

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN041519\
 Data File : VN055039.D
 Acq On : 15 Apr 2019 11:35
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Apr 15 12:00:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 11:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	430386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	683214	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	615890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	276882	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	543920	100.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.42%	
35) Dibromofluoromethane	7.59	113	441983	101.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.96%	
50) Toluene-d8	10.09	98	1648434	103.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.10%	
62) 4-Bromofluorobenzene	12.40	95	578572	107.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	468842	98.761	ug/l	100
3) Chloromethane	2.06	50	606681	95.298	ug/l	98
4) Vinyl Chloride	2.19	62	500494	96.884	ug/l	98
5) Bromomethane	2.55	94	273998	91.625	ug/l	96
6) Chloroethane	2.70	64	271660	95.357	ug/l	97
7) Trichlorofluoromethane	3.01	101	626101	96.620	ug/l	99
8) Diethyl Ether	3.41	74	202781	99.505	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	318512	94.241	ug/l	99
10) Methyl Iodide	3.94	142	619887	127.174	ug/l	95
11) Tert butyl alcohol	4.82	59	162627	489.319	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	309102	92.891	ug/l	99
13) Acrolein	3.60	56	175991	438.697	ug/l	98
14) Allyl chloride	4.31	41	837458	103.003	ug/l	100
15) Acrylonitrile	4.99	53	958159	522.695	ug/l	99
16) Acetone	3.82	43	685753	462.178	ug/l	99
17) Carbon Disulfide	4.04	76	1108768	102.301	ug/l	100
18) Methyl Acetate	4.33	43	446804	97.145	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1219987	102.613	ug/l	99
20) Methylene Chloride	4.54	84	484358	89.084	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	440543	100.498	ug/l	97
22) Diisopropyl ether	5.96	45	1713478	103.943	ug/l	98
23) Vinyl Acetate	5.90	43	6278638	544.555	ug/l	100
24) 1,1-Dichloroethane	5.85	63	881215	98.977	ug/l	99
25) 2-Butanone	6.85	43	1216704	532.430	ug/l	99
26) 2,2-Dichloropropane	6.82	77	596055	101.193	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	516223	101.370	ug/l	99
28) Bromochloromethane	7.19	49	417974	98.948	ug/l	100
29) Tetrahydrofuran	7.22	42	771378	514.926	ug/l	100
30) Chloroform	7.37	83	840482	98.996	ug/l	100
31) Cyclohexane	7.65	56	798278	81.478	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	692632	102.406	ug/l	100
36) 1,1-Dichloropropene	7.79	75	640018	101.360	ug/l	100
37) Ethyl Acetate	6.94	43	513797	108.391	ug/l	99
38) Carbon Tetrachloride	7.77	117	590425	99.338	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	691213	95.620	ug/l	99
40) Benzene	8.04	78	1915641	100.347	ug/l	100
41) Methacrylonitrile	7.18	41	300990	103.193	ug/l	98
42) 1,2-Dichloroethane	8.12	62	655889	97.667	ug/l	99
43) Isopropyl Acetate	8.17	43	880053	108.576	ug/l	99
44) Trichloroethene	8.83	130	488568	100.144	ug/l	99
45) 1,2-Dichloropropane	9.12	63	538530	99.965	ug/l	100
46) Dibromomethane	9.21	93	307299	99.551	ug/l	98
47) Bromodichloromethane	9.40	83	649911	103.533	ug/l	98
48) Methyl methacrylate	9.20	41	448922	107.515	ug/l	100
49) 1,4-Dioxane	9.20	88	78532	1748.860	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2545692	536.397	ug/l	99
52) Toluene	10.16	92	1149542	101.818	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	658768	115.897	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	785571	112.194	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	431919	102.697	ug/l	99
56) Ethyl methacrylate	10.43	69	612130	113.109	ug/l	98
57) 1,3-Dichloropropane	10.71	76	750157	103.394	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1169999	552.534	ug/l	99
59) 2-Hexanone	10.75	43	1622033	546.931	ug/l	100
60) Dibromochloromethane	10.90	129	475071	113.480	ug/l	100
61) 1,2-Dibromoethane	11.00	107	425745	105.730	ug/l	99
64) Tetrachloroethene	10.63	164	448010	92.994	ug/l	99
65) Chlorobenzene	11.43	112	1213855	102.215	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	454844	103.930	ug/l	99
67) Ethyl Benzene	11.51	91	2210894	101.353	ug/l	99
68) m/p-Xylenes	11.62	106	1618327	202.777	ug/l	99
69) o-Xylene	11.95	106	795400	100.728	ug/l	99
70) Styrene	11.96	104	1358869	108.531	ug/l	99
71) Bromoform	12.13	173	307639	116.365	ug/l	99
73) Isopropylbenzene	12.25	105	2096533	89.057	ug/l	99
74) N-amyl acetate	12.07	43	714022	100.627	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	546347	89.639	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	663288	130.211	ug/l #	100
77) Bromobenzene	12.53	156	527384	91.195	ug/l	99
78) n-propylbenzene	12.59	91	2358482	91.955	ug/l	99
79) 2-Chlorotoluene	12.67	91	1436759	90.678	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1738534	90.717	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	139303	112.873	ug/l	91
82) 4-Chlorotoluene	12.77	91	1449399	94.587	ug/l	99
83) tert-Butylbenzene	12.99	119	1447609	88.172	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1734874	94.409	ug/l	100
85) sec-Butylbenzene	13.17	105	1872176	89.313	ug/l	100
86) p-Isopropyltoluene	13.29	119	1668366	91.502	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	894381	95.101	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	872577	97.010	ug/l	99
89) n-Butylbenzene	13.61	91	1414983	98.812	ug/l	99
90) Hexachloroethane	13.87	117	276598	91.806	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	867117	94.976	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82386	103.952	ug/l	95

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Quant Title : SW846 8260
QLast Update : Mon Apr 15 11:57:07 2019
Response via : Initial Calibration

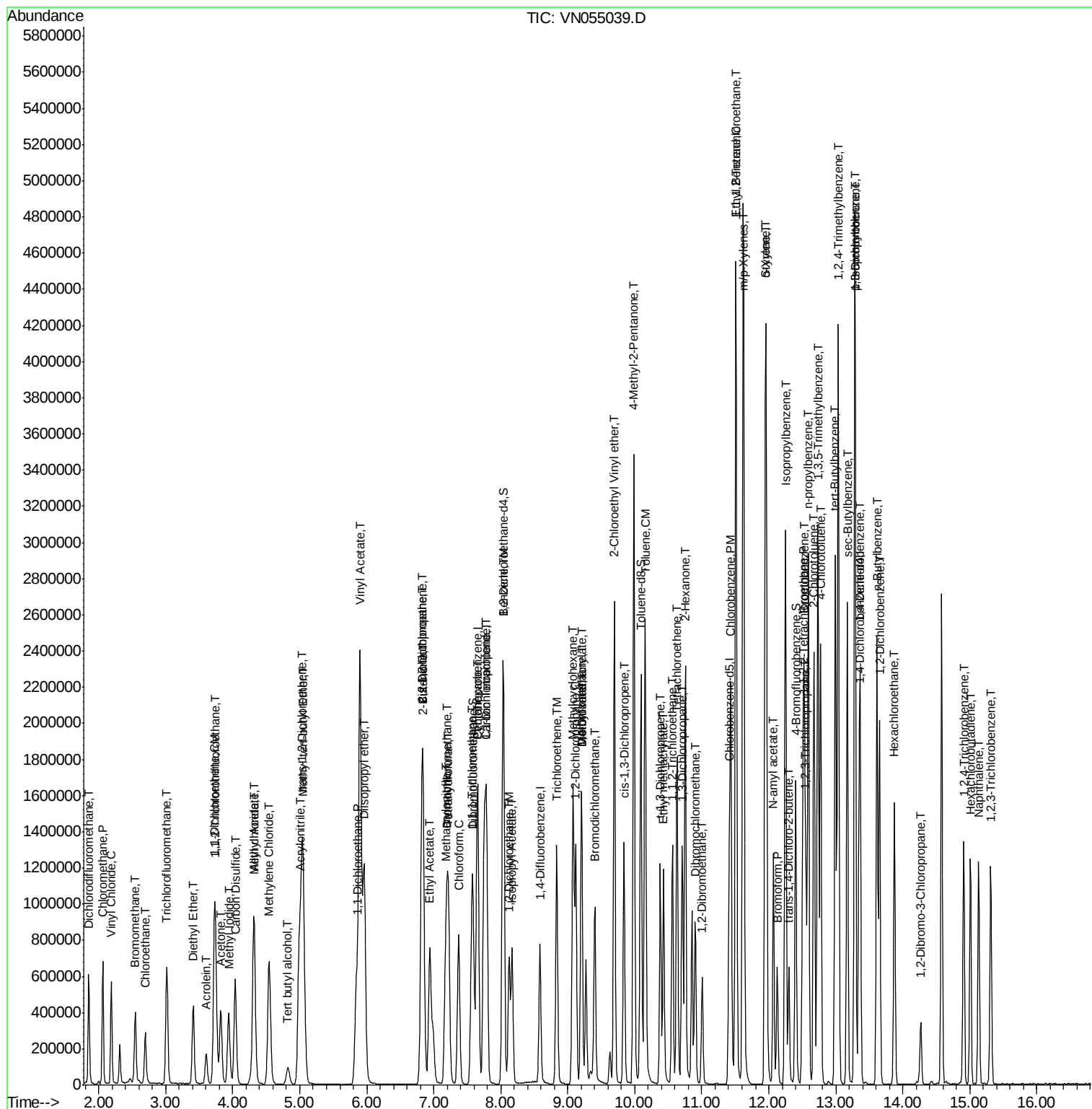
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	444339	115.576	ug/l	100
94) Hexachlorobutadiene	15.01	225	251769	79.124	ug/l	99
95) Naphthalene	15.13	128	1049398	116.623	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	431674	104.816	ug/l	99

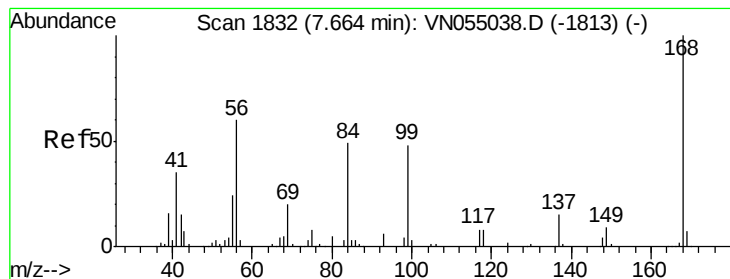
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN041519\
Data File : VN055039.D
Acq On : 15 Apr 2019 11:35
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Sample : VSTDICC100
Misc : 5.00mL/MSVOA_N/WATER
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Quant Time: Apr 15 12:00:09 2019
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Quant Title : SW846 8260
QLast Update : Mon Apr 15 11:57:07 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

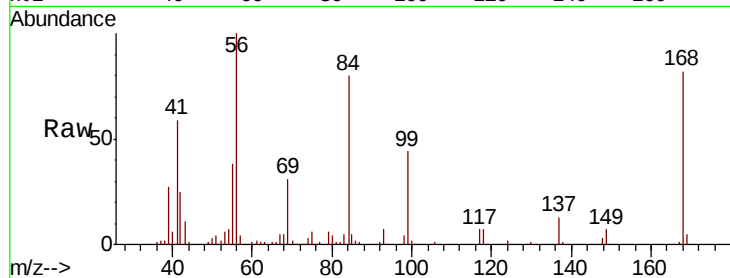
VSTDIC100

Tgt Ion:168 Resp: 430386

Ion Ratio Lower Upper

168 100

99 53.6 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

200000

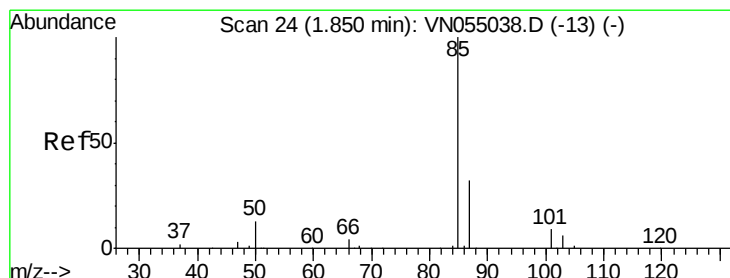
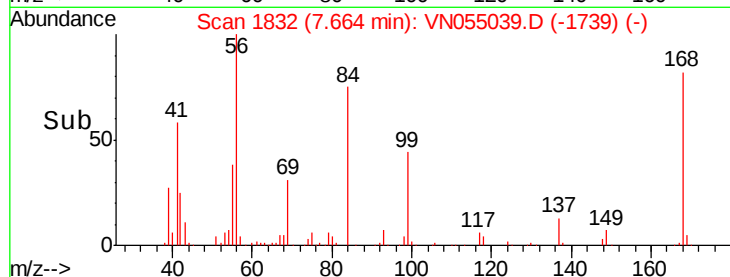
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 98.761 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055039.D

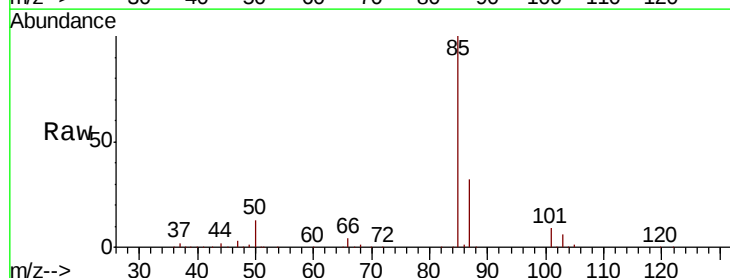
Acq: 15 Apr 2019 11:35

Tgt Ion: 85 Resp: 468842

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

400000

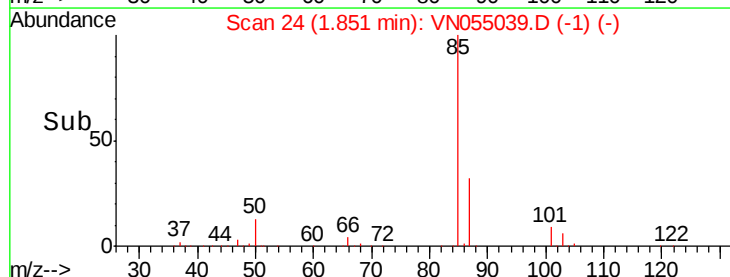
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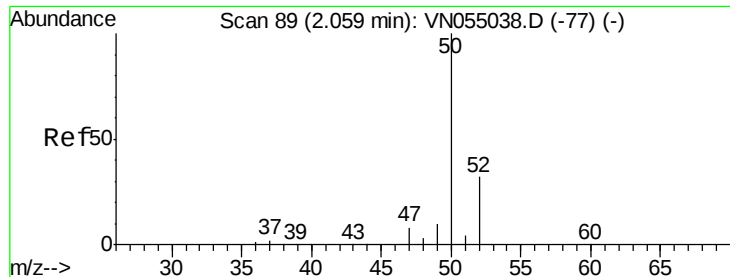
200000

100000

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Time-->





#3

Chloromethane

Concen: 95.298 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

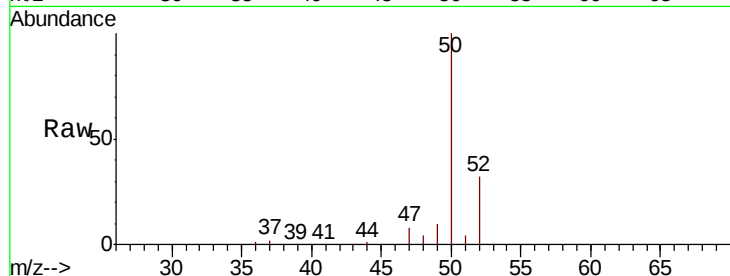
VSTDIC100

Tgt Ion: 50 Resp: 606681

Ion Ratio Lower Upper

50 100

52 32.1 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

400000

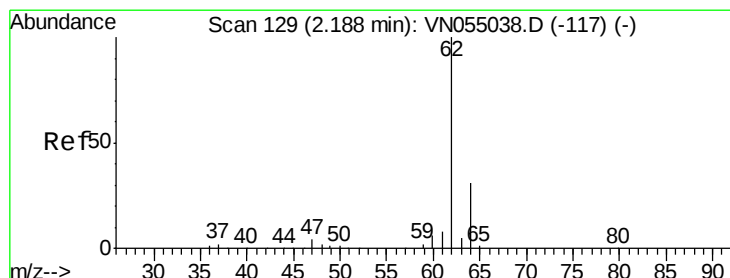
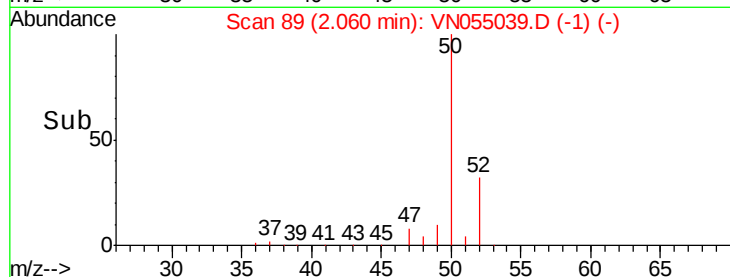
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 96.884 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055039.D

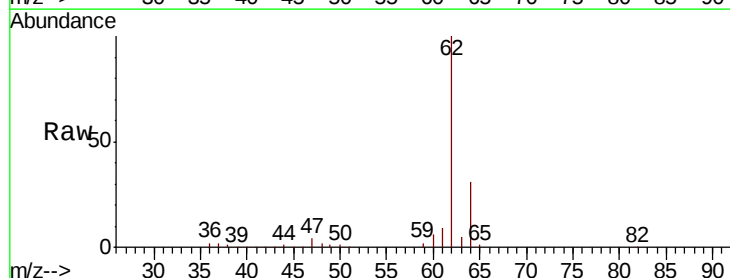
Acq: 15 Apr 2019 11:35

Tgt Ion: 62 Resp: 500494

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

400000

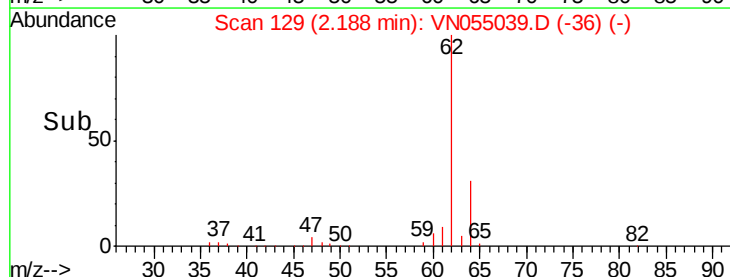
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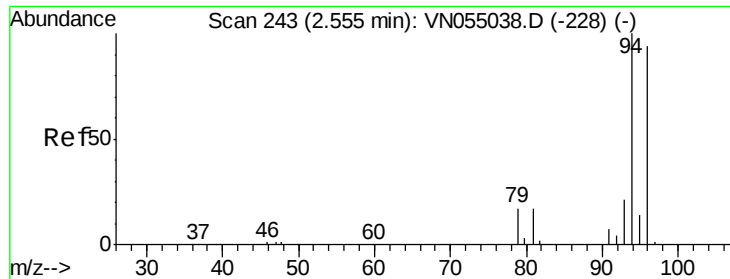
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Time-->

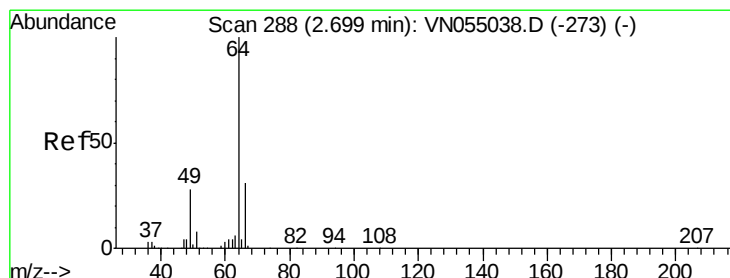
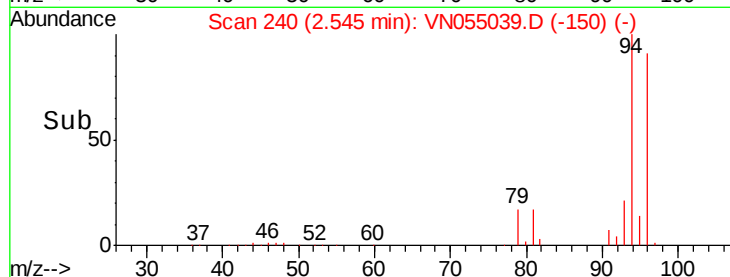
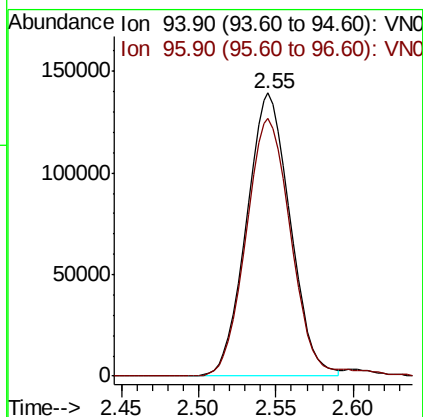
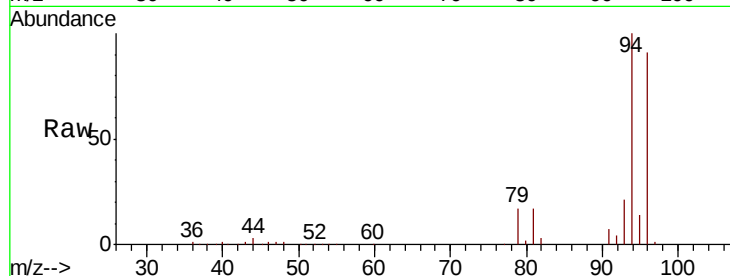




#5
Bromomethane
Concen: 91.625 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.01 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

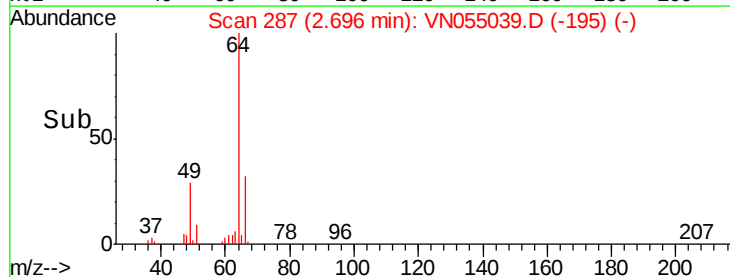
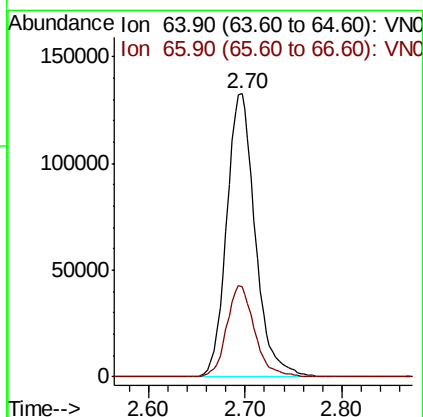
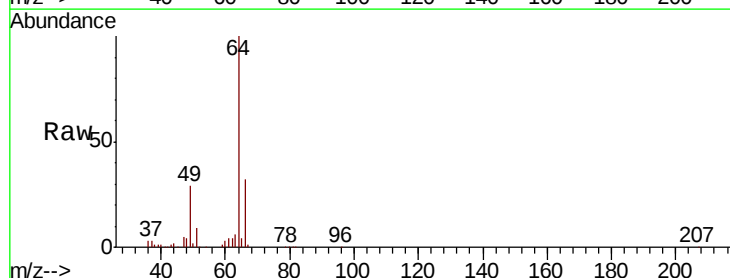
Instrument :
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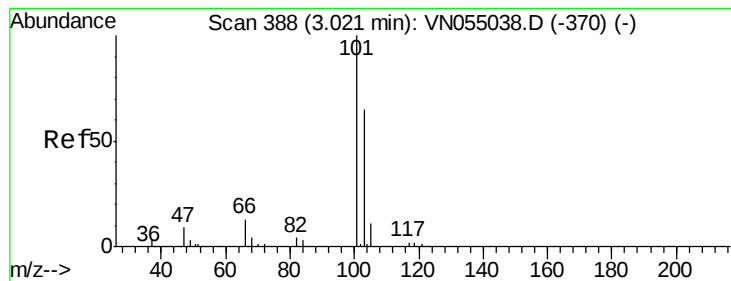
Tgt Ion: 94 Resp: 273998
Ion Ratio Lower Upper
94 100
96 91.0 76.2 114.4



#6
Chloroethane
Concen: 95.357 ug/l
RT: 2.70 min Scan# 287
Delta R.T. -0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion: 64 Resp: 271660
Ion Ratio Lower Upper
64 100
66 31.8 26.6 40.0



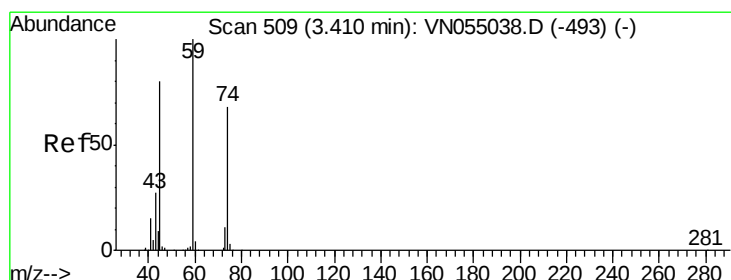
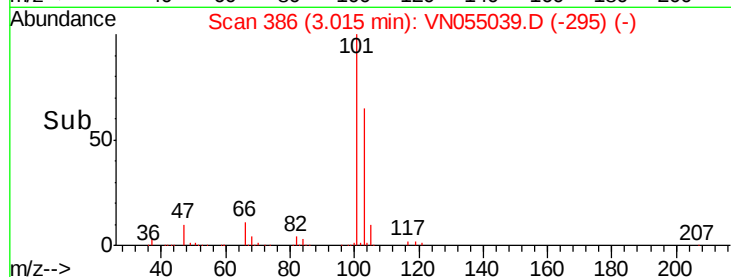
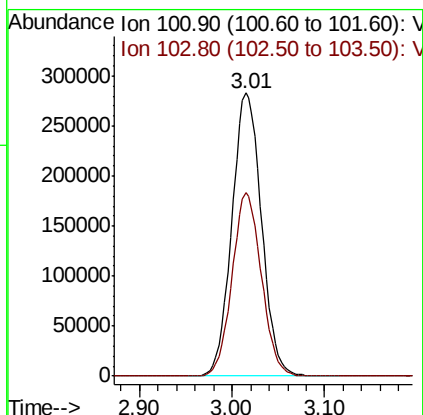
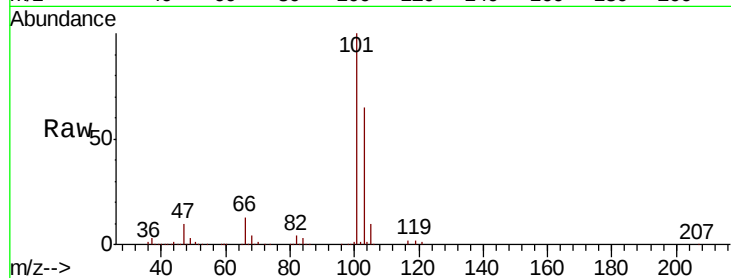


#7

Trichlorofluoromethane
 Concen: 96.620 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Instrument :
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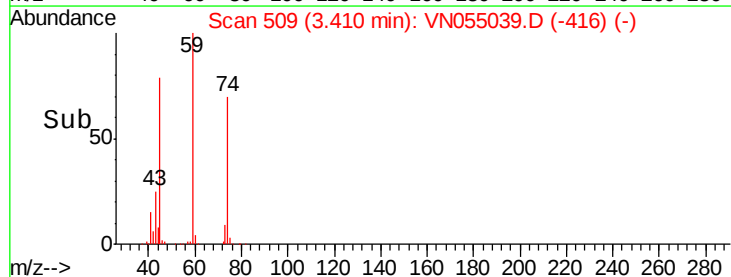
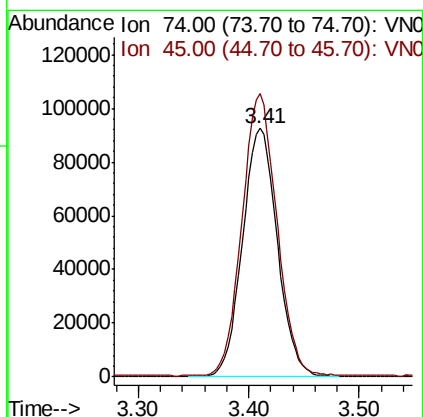
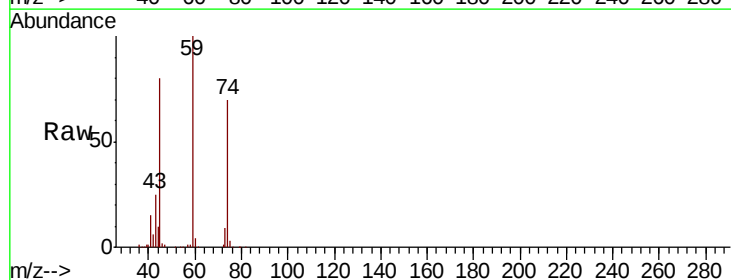
Tgt Ion:101 Resp: 626101
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.5 78.7

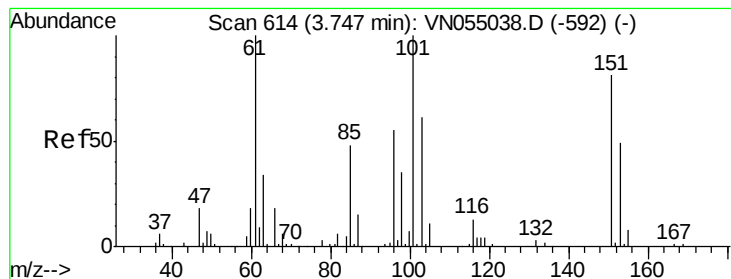


#8

Diethyl Ether
 Concen: 99.505 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Tgt Ion: 74 Resp: 202781
 Ion Ratio Lower Upper
 74 100
 45 113.7 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.241 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

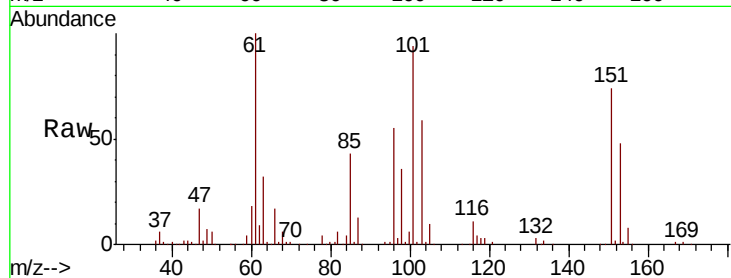
Tgt Ion:101 Resp: 318512

Ion Ratio Lower Upper

101 100

85 45.4 36.9 55.3

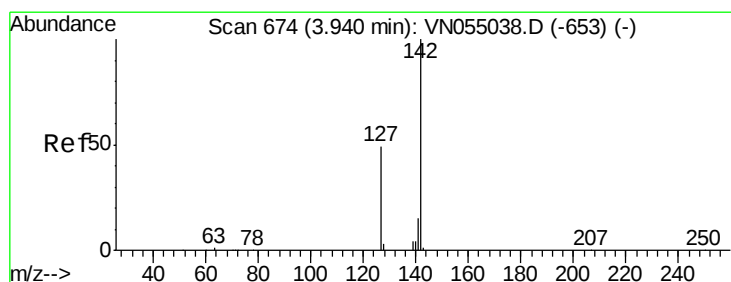
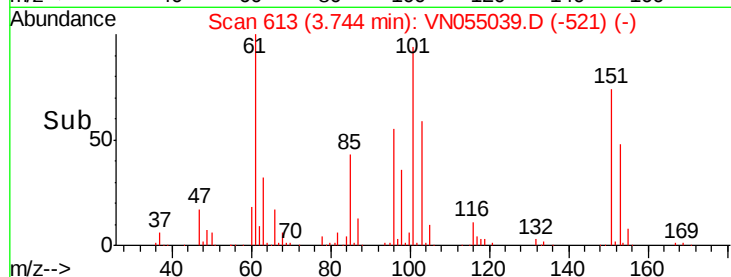
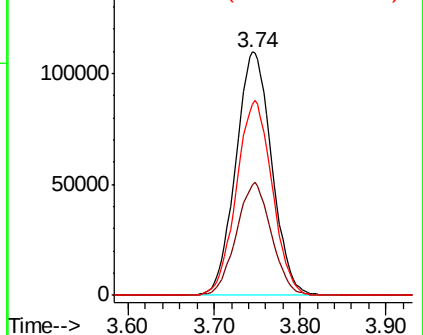
151 79.8 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 127.174 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

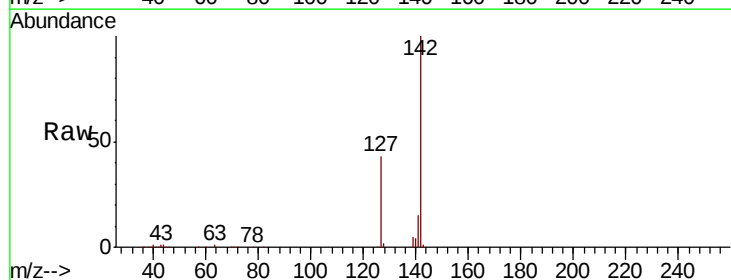
Tgt Ion:142 Resp: 619887

Ion Ratio Lower Upper

142 100

127 43.2 37.9 56.9

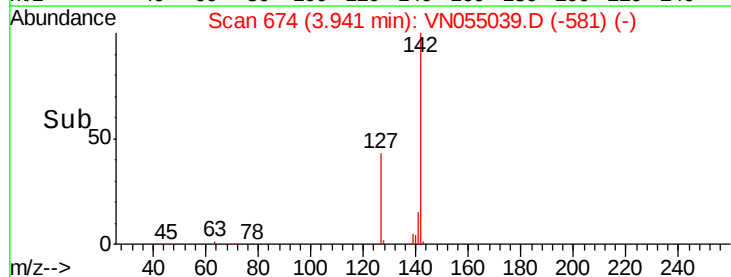
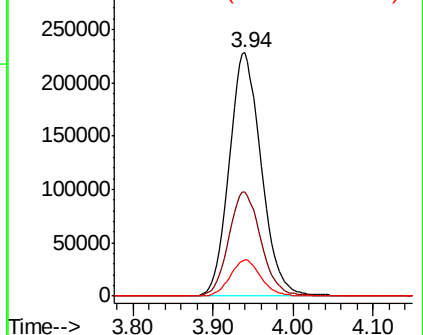
141 14.4 11.8 17.8

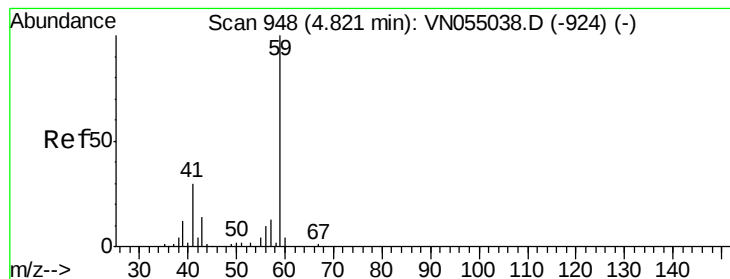


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 489.319 ug/l

RT: 4.82 min Scan# 948

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

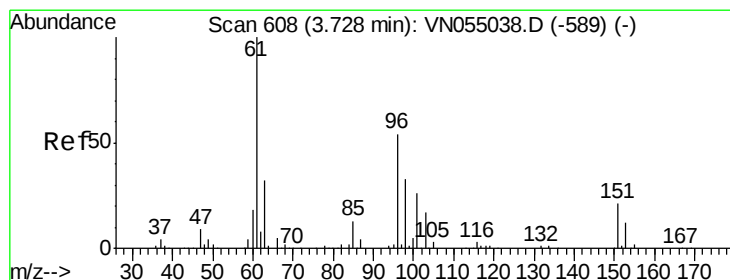
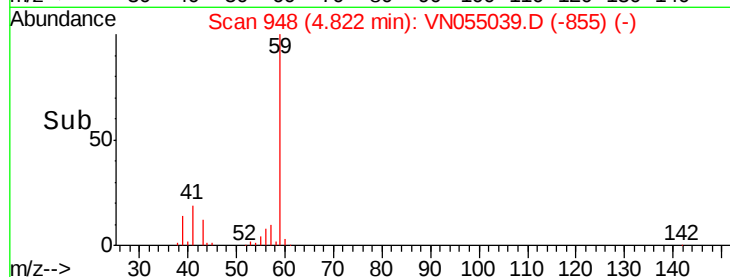
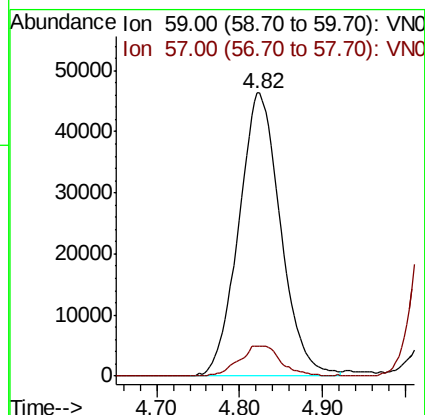
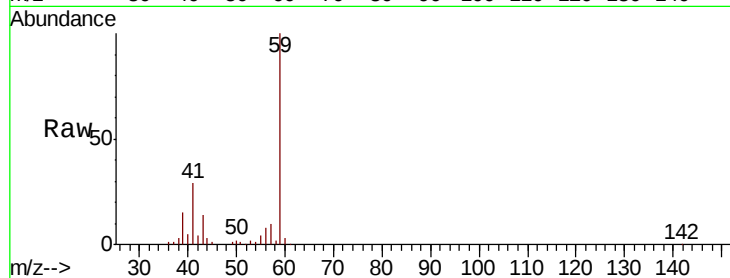
VSTDIC100

Tgt Ion: 59 Resp: 162627

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 92.891 ug/l

RT: 3.73 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

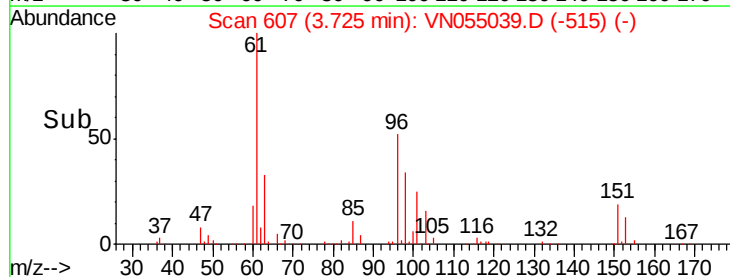
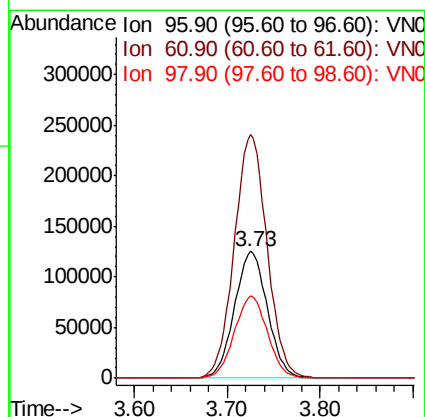
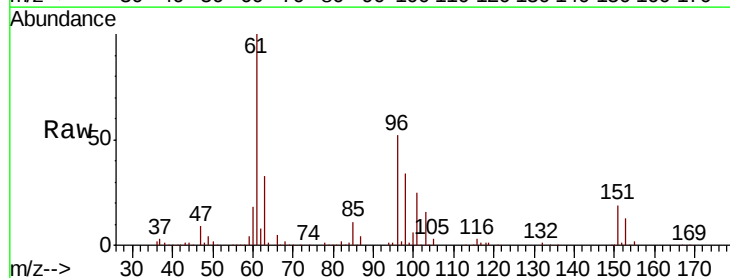
Tgt Ion: 96 Resp: 309102

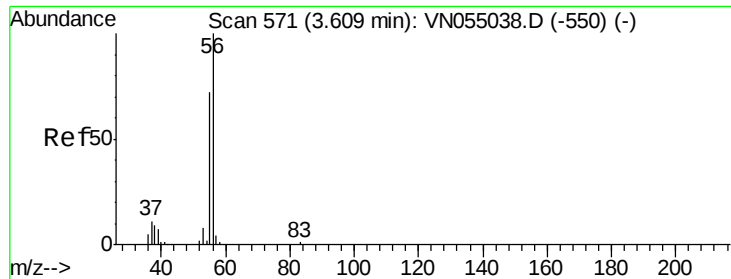
Ion Ratio Lower Upper

96 100

61 192.2 154.2 231.4

98 64.9 52.9 79.3





#13

Acrolein

Concen: 438.697 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

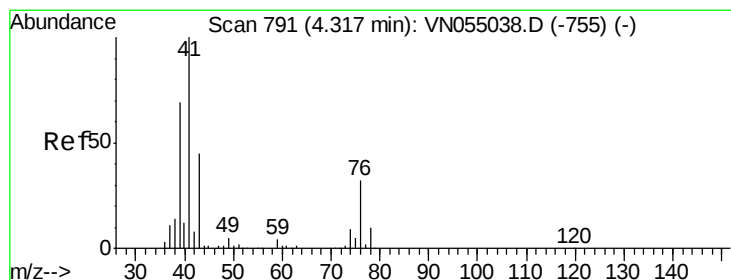
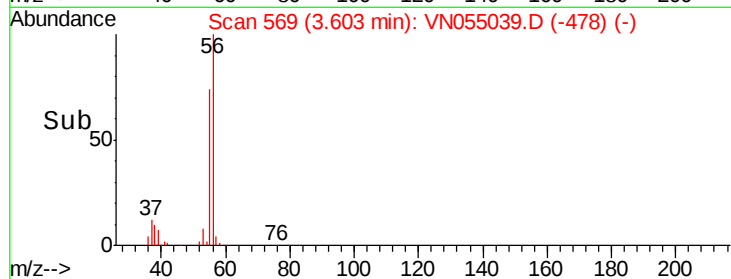
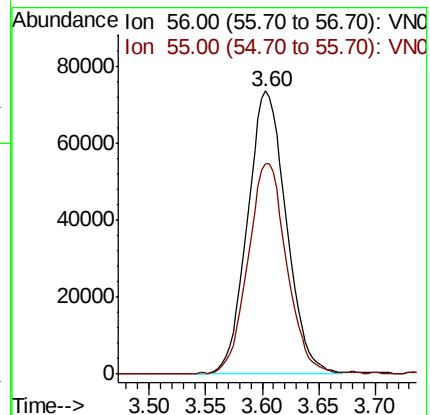
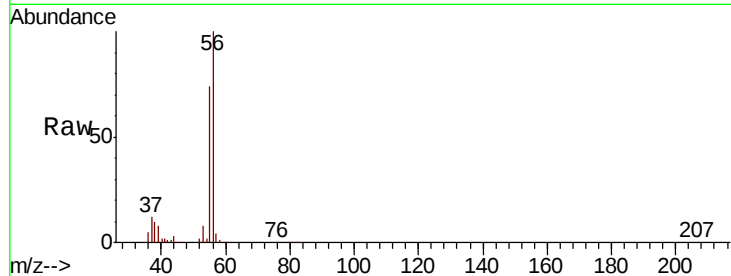
VSTDIC100

Tgt Ion: 56 Resp: 175991

Ion Ratio Lower Upper

56 100

55 73.0 59.5 89.3



#14

Allyl chloride

Concen: 103.003 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

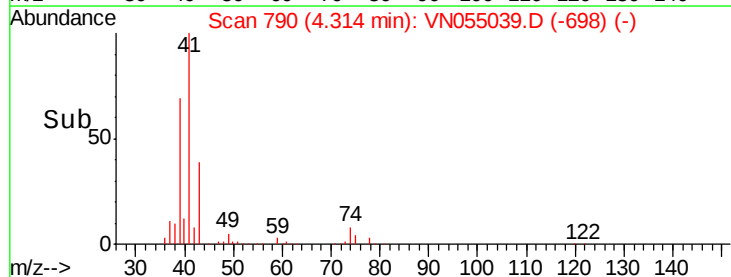
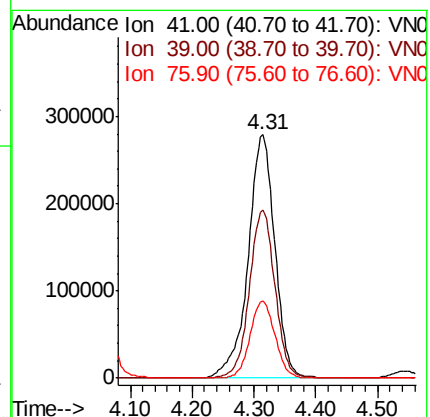
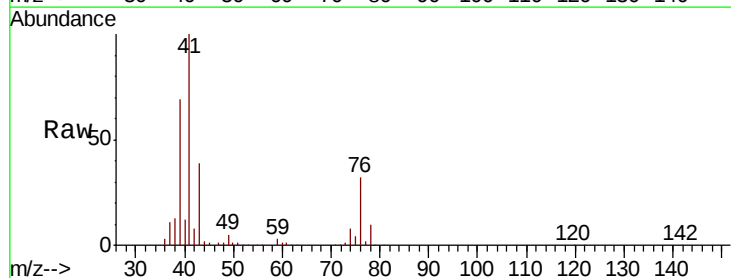
Tgt Ion: 41 Resp: 837458

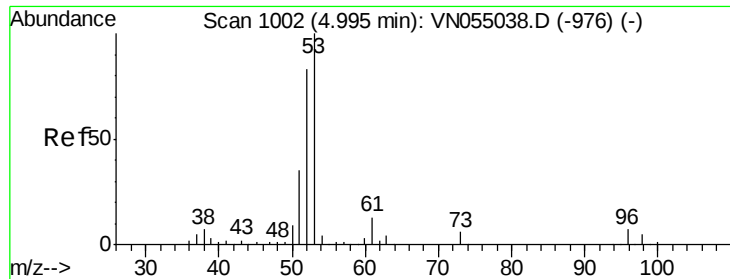
Ion Ratio Lower Upper

41 100

39 65.8 52.7 79.1

76 29.5 23.2 34.8





#15

Acrylonitrile

Concen: 522.695 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

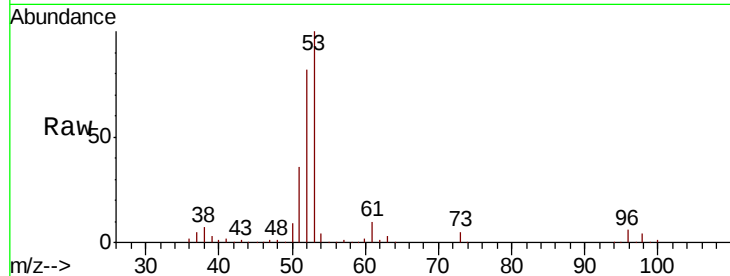
Tgt Ion: 53 Resp: 958159

Ion Ratio Lower Upper

53 100

52 82.7 65.9 98.9

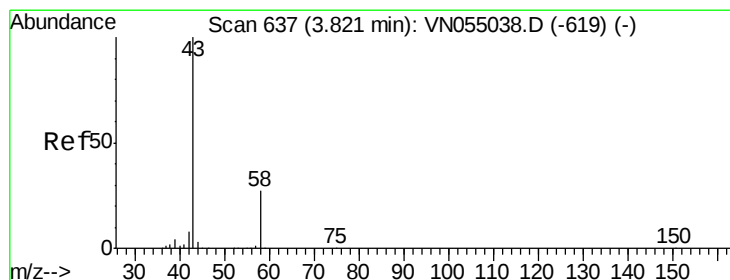
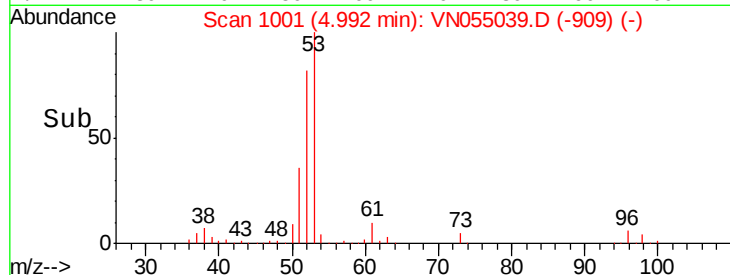
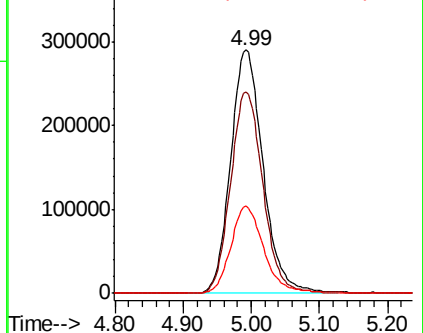
51 36.5 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN055038.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN055038.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN055038.D (-976) (-)



#16

Acetone

Concen: 462.178 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055039.D

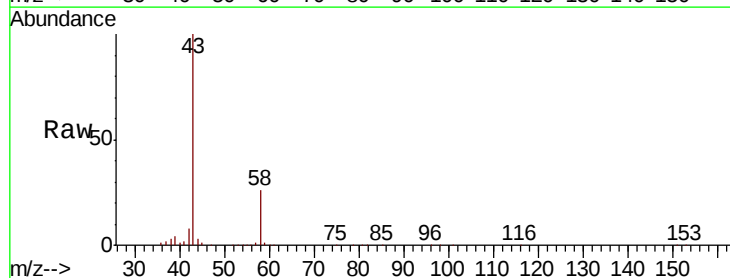
Acq: 15 Apr 2019 11:35

Tgt Ion: 43 Resp: 685753

Ion Ratio Lower Upper

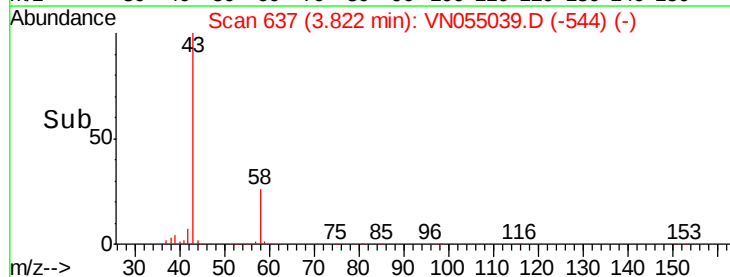
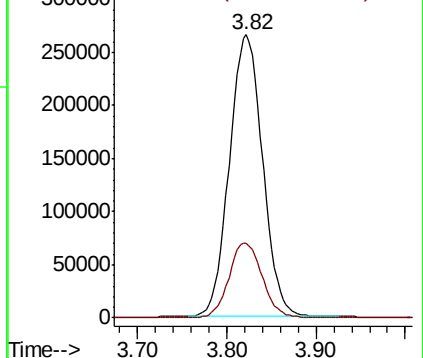
43 100

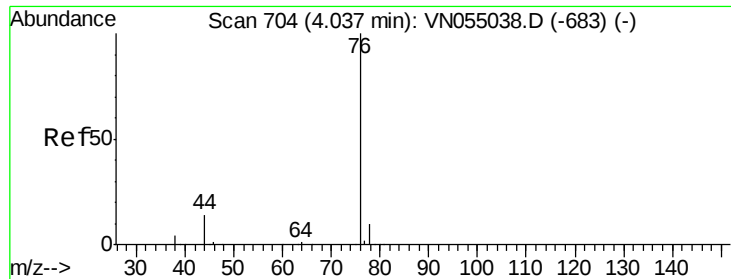
58 26.4 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-619) (-)

Ion 58.00 (57.70 to 58.70): VN055038.D (-619) (-)

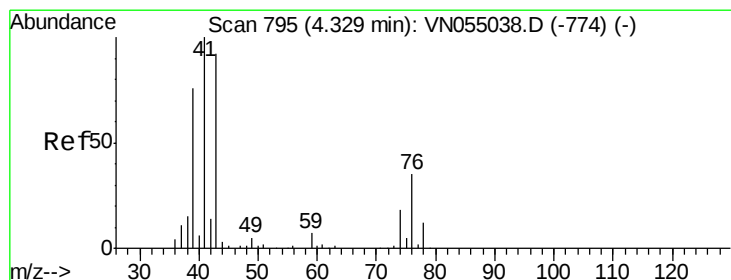
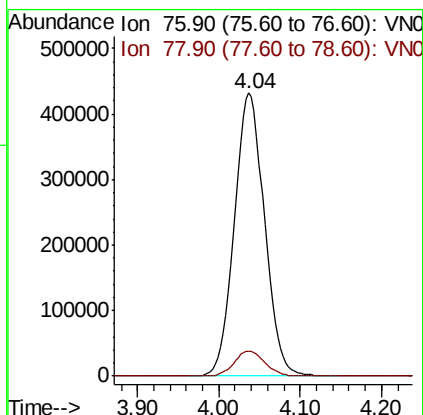
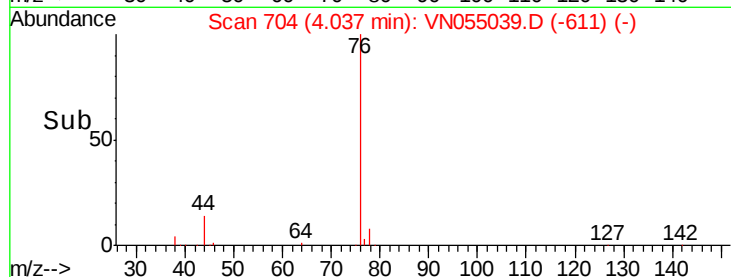
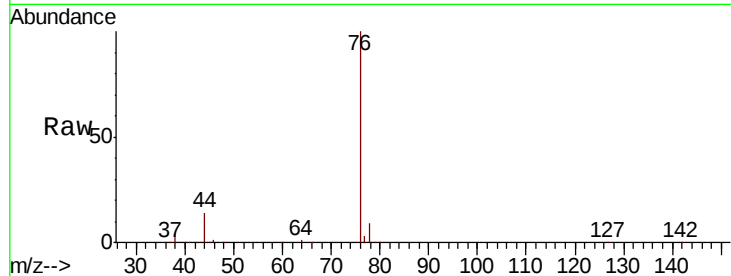




#17
Carbon Disulfide
Concen: 102.301 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

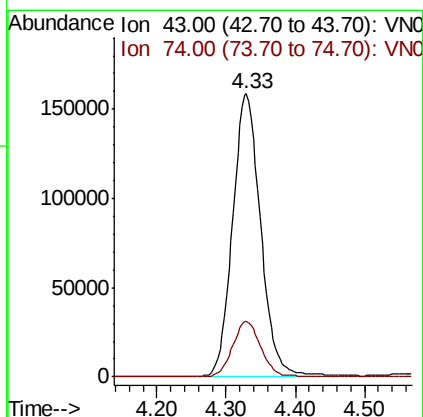
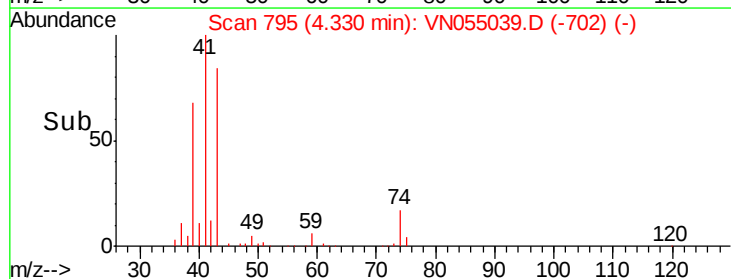
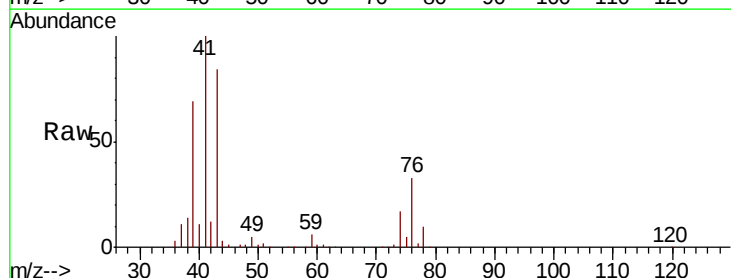
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

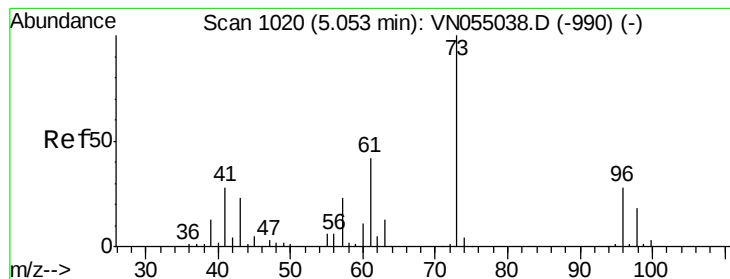
Tgt Ion: 76 Resp: 1108768
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 97.145 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion: 43 Resp: 446804
Ion Ratio Lower Upper
43 100
74 19.7 16.1 24.1





#19

Methyl tert-butyl Ether

Concen: 102.613 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

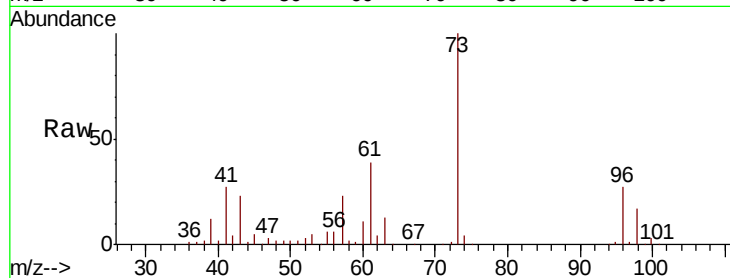
VSTDIC100

Tgt Ion: 73 Resp: 1219987

Ion Ratio Lower Upper

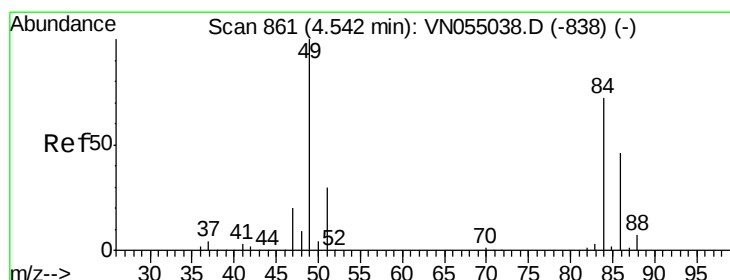
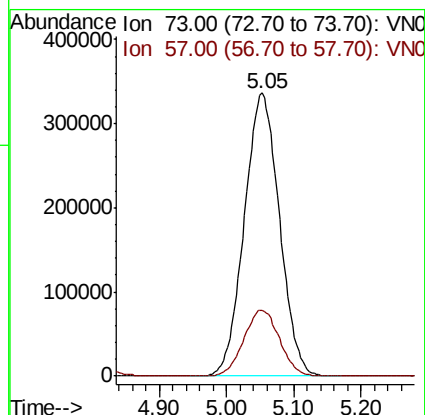
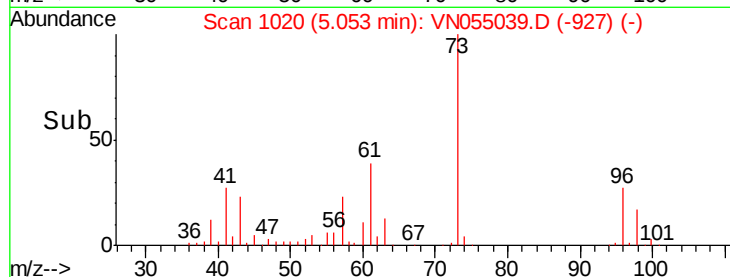
73 100

57 23.2 19.0 28.4



Abundance Ion 73.00 (72.70 to 73.70): VN055039.D (-927) (-)

Ion 57.00 (56.70 to 57.70): VN055039.D (-927) (-)



#20

Methylene Chloride

Concen: 89.084 ug/l

RT: 4.54 min Scan# 861

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Tgt Ion: 84 Resp: 484358

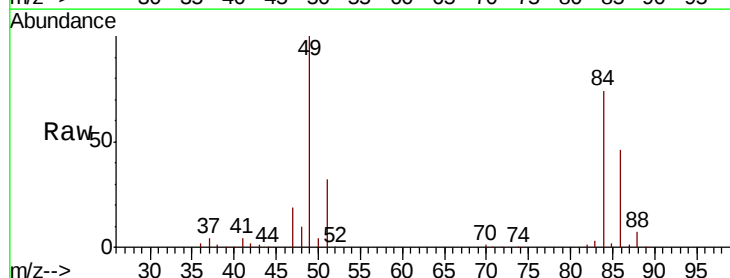
Ion Ratio Lower Upper

84 100

49 134.6 109.4 164.2

51 42.8 32.2 48.4

86 61.8 49.3 73.9

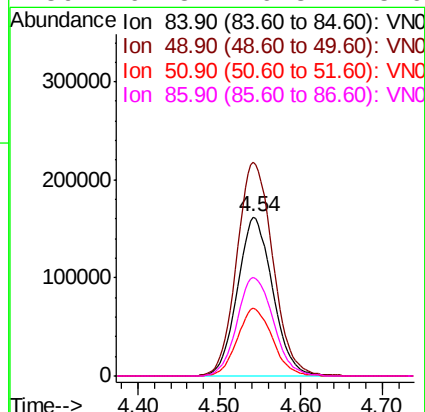
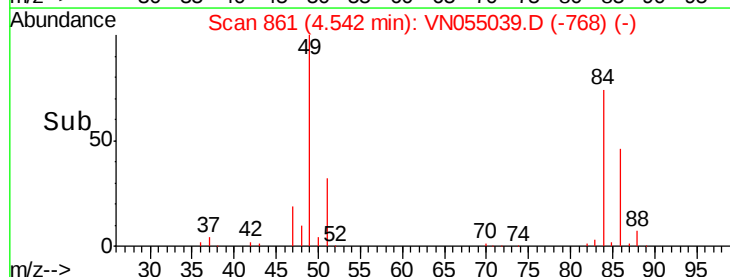


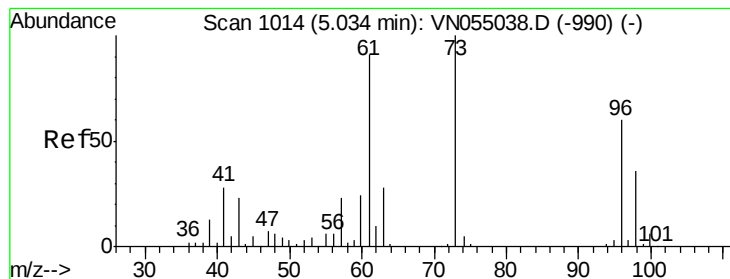
Abundance Ion 83.90 (83.60 to 84.60): VN055039.D (-768) (-)

Ion 48.90 (48.60 to 49.60): VN055039.D (-768) (-)

Ion 50.90 (50.60 to 51.60): VN055039.D (-768) (-)

Ion 85.90 (85.60 to 86.60): VN055039.D (-768) (-)





#21

trans-1,2-Dichloroethene

Concen: 100.498 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

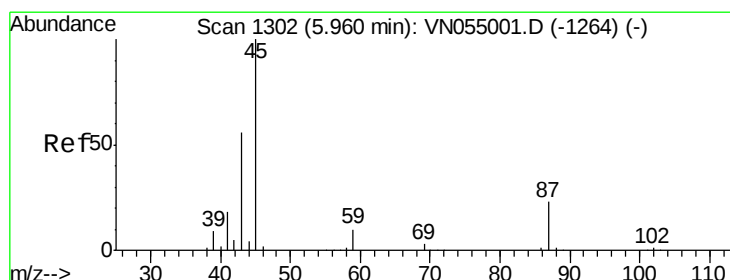
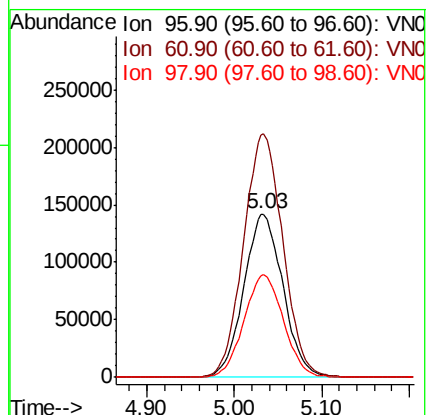
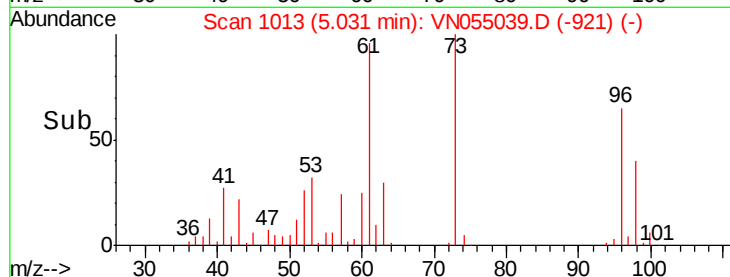
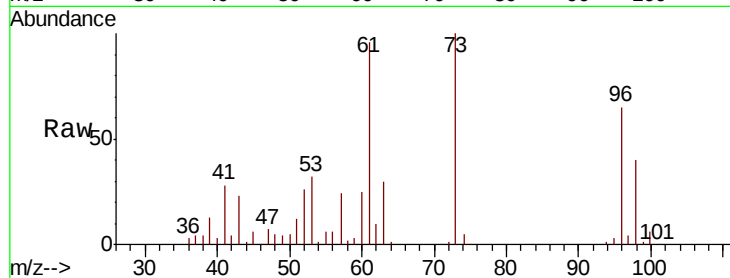
Tgt Ion: 96 Resp: 440543

Ion Ratio Lower Upper

96 100

61 148.4 114.9 172.3

98 62.2 48.4 72.6



#22

Diisopropyl ether

Concen: 103.943 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Tgt Ion: 45 Resp: 1713478

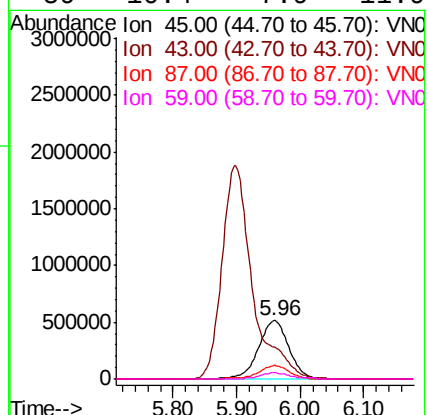
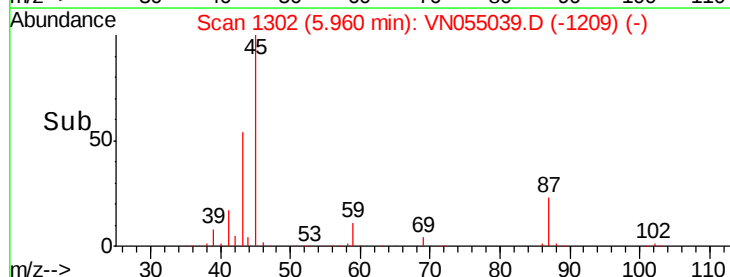
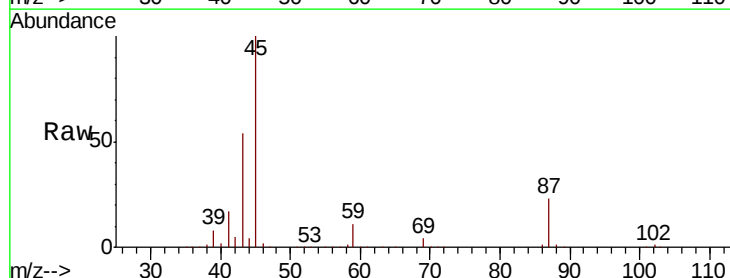
Ion Ratio Lower Upper

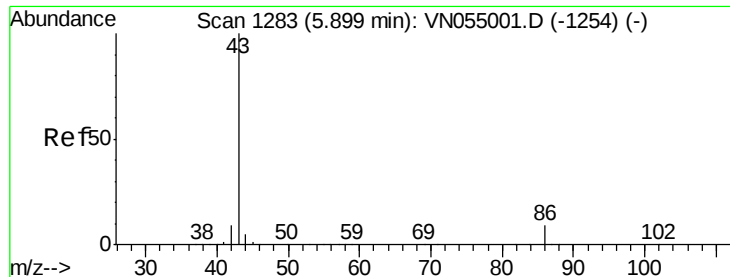
45 100

43 53.7 44.8 67.2

87 23.2 18.9 28.3

59 10.4 7.9 11.9





#23

Vinyl Acetate

Concen: 544.555 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

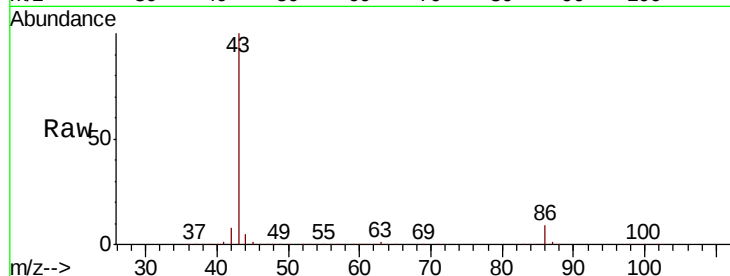
VSTDIC100

Tgt Ion: 43 Resp: 6278638

Ion Ratio Lower Upper

43 100

86 8.6 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN055001.D (-1254) (-)

5.90

2000000

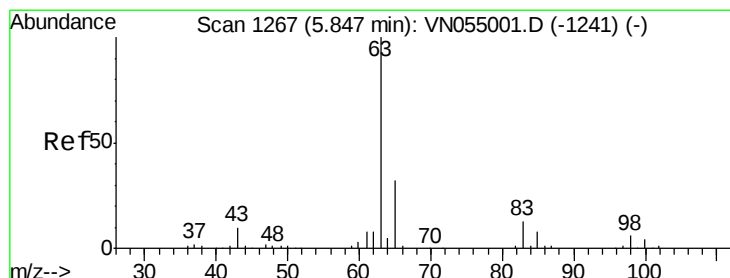
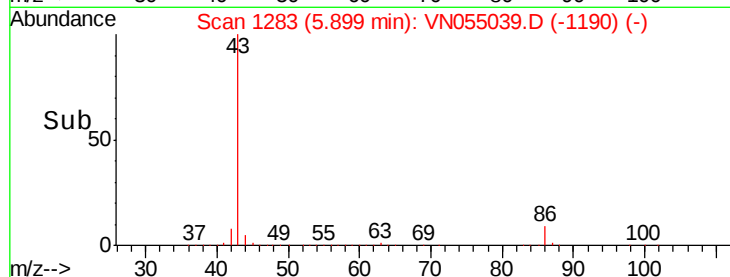
1500000

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 98.977 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

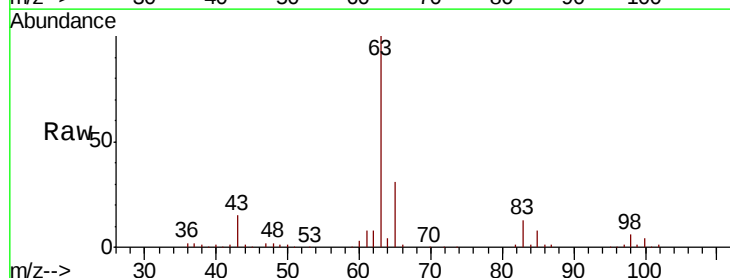
Tgt Ion: 63 Resp: 881215

Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN055001.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055001.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055001.D (-1241) (-)

5.85

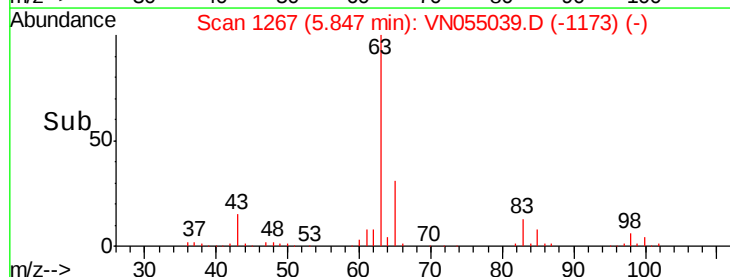
300000

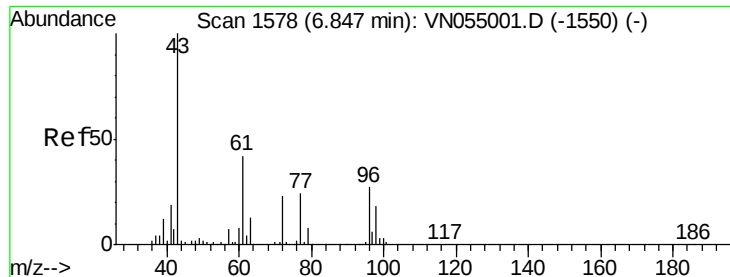
200000

100000

0

Time-->

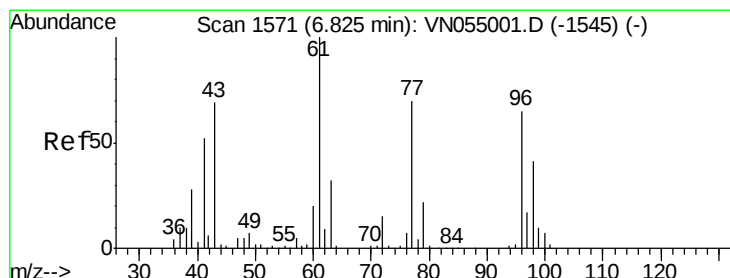
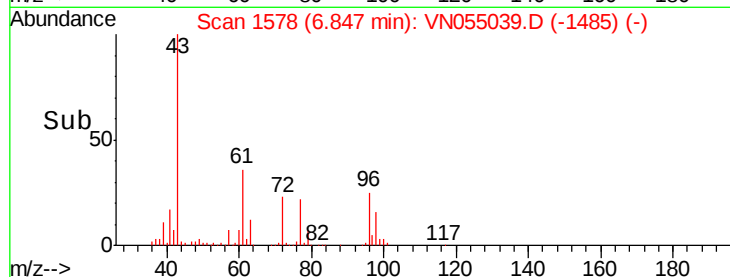
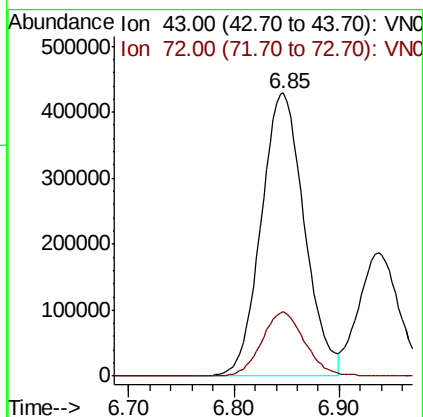
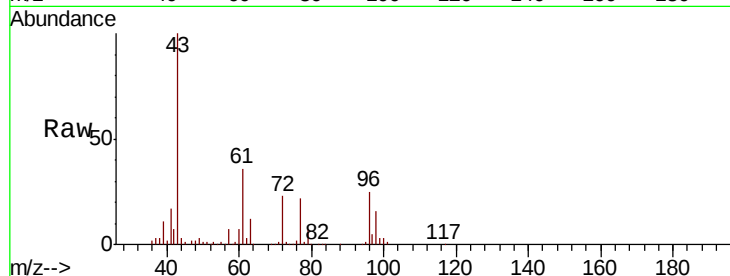




#25
2-Butanone
Concen: 532.430 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

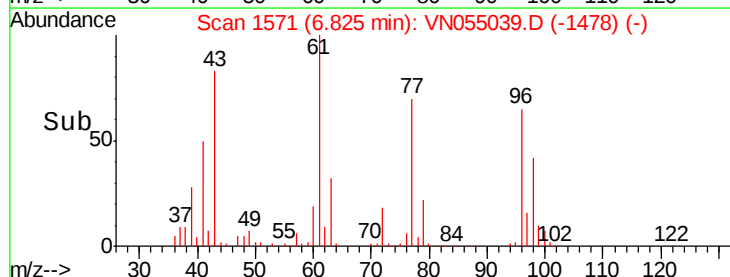
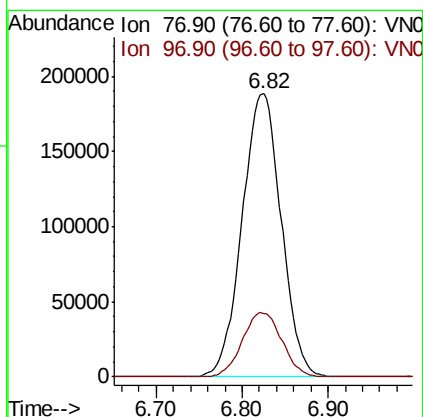
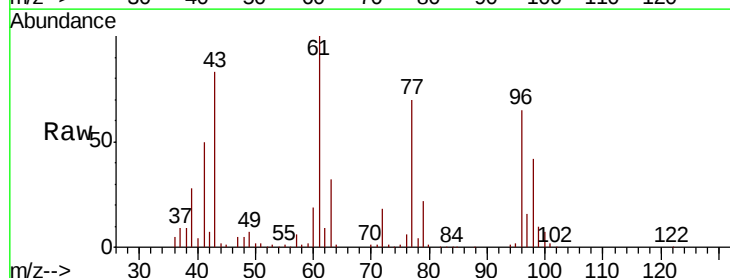
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

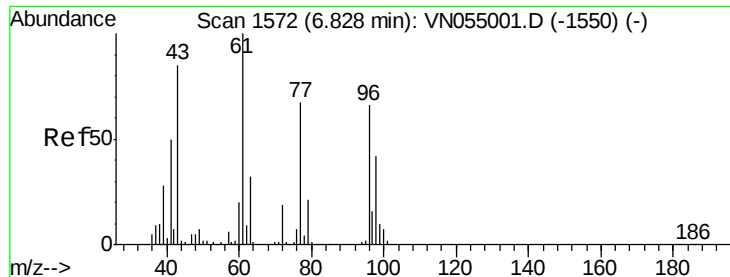
Tgt Ion: 43 Resp: 1216704
Ion Ratio Lower Upper
43 100
72 22.9 18.1 27.1



#26
2,2-Dichloropropane
Concen: 101.193 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion: 77 Resp: 596055
Ion Ratio Lower Upper
77 100
97 23.1 11.3 33.9

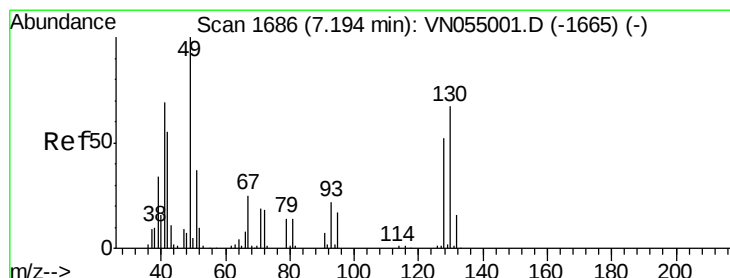
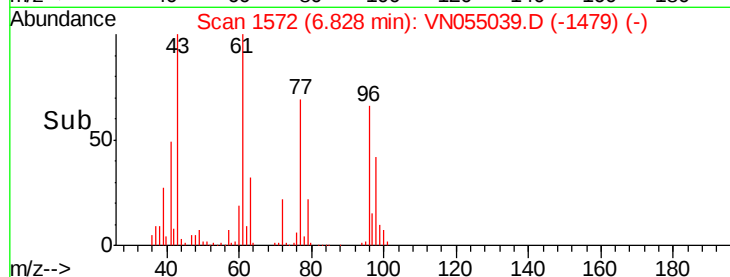
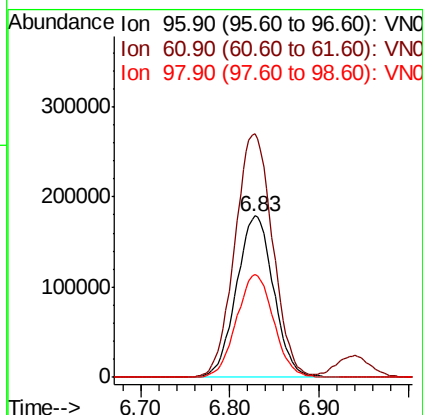
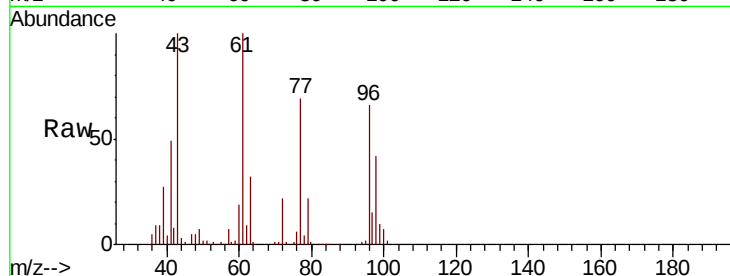




#27
 cis-1,2-Dichloroethene
 Concen: 101.370 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

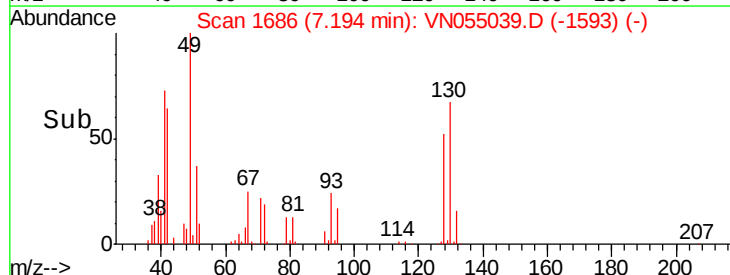
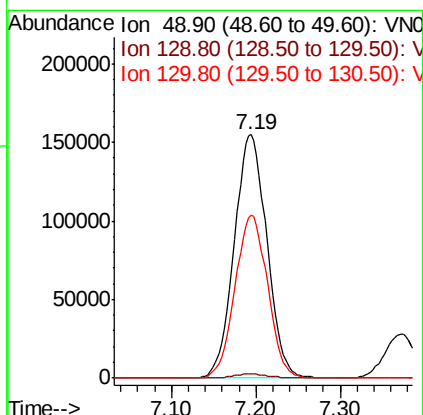
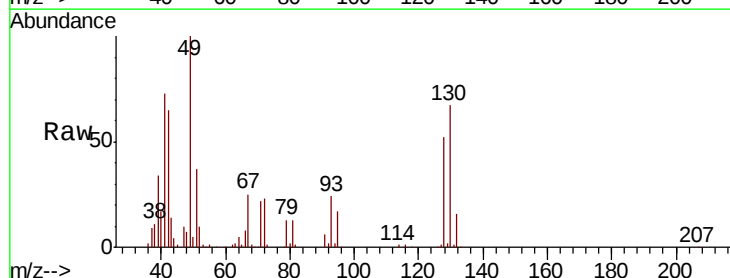
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

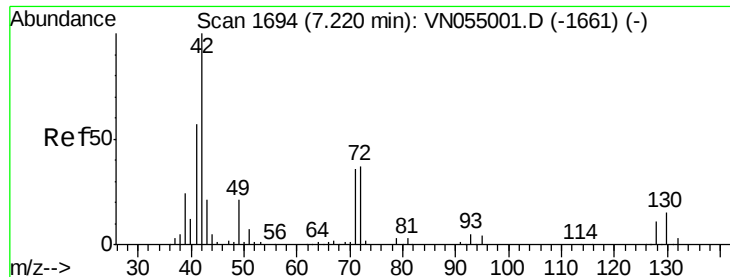
Tgt Ion: 96 Resp: 516223
 Ion Ratio Lower Upper
 96 100
 61 153.9 0.0 311.0
 98 63.9 0.0 127.4



#28
 Bromochloromethane
 Concen: 98.948 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Tgt Ion: 49 Resp: 417974
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 2.0
 130 66.7 53.4 80.2

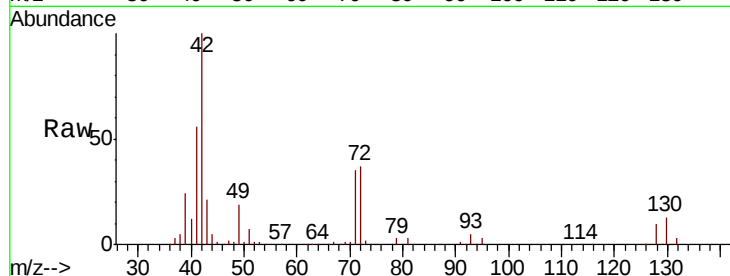




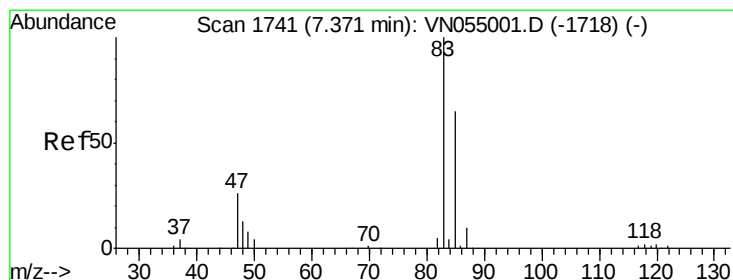
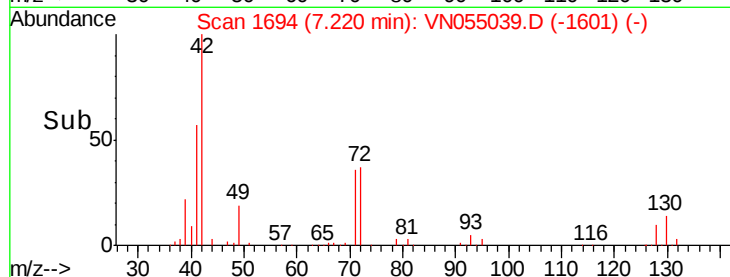
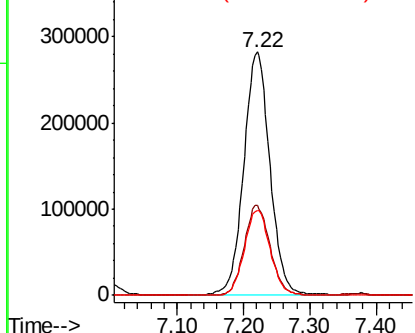
#29
Tetrahydrofuran
Concen: 514.926 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 42 Resp: 771378
Ion Ratio Lower Upper
42 100
72 36.7 29.4 44.0
71 34.8 27.8 41.6

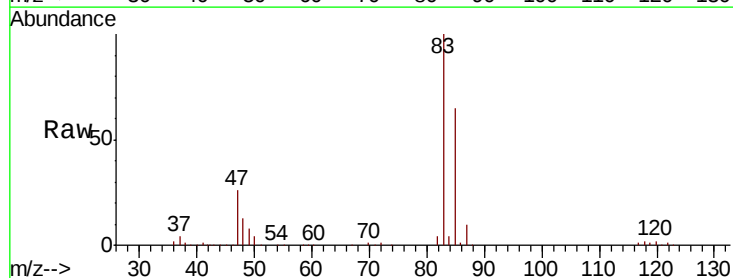


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

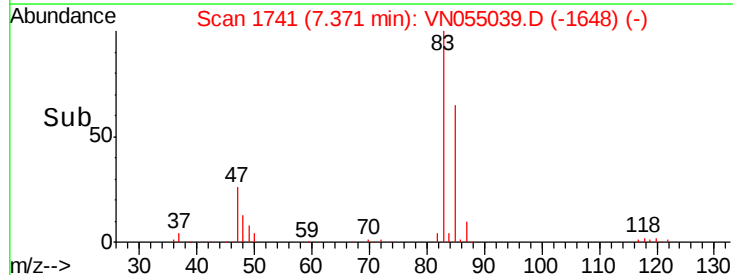
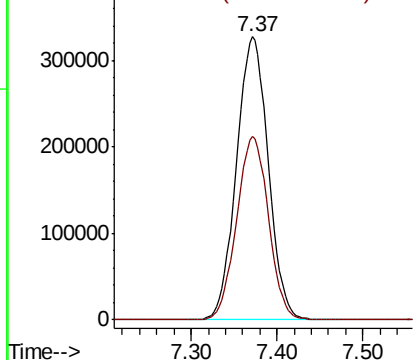


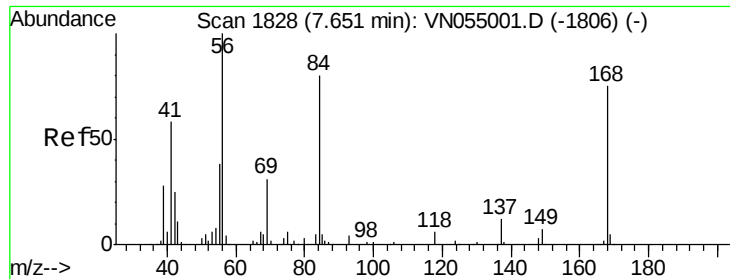
#30
Chloroform
Concen: 98.996 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion: 83 Resp: 840482
Ion Ratio Lower Upper
83 100
85 64.9 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

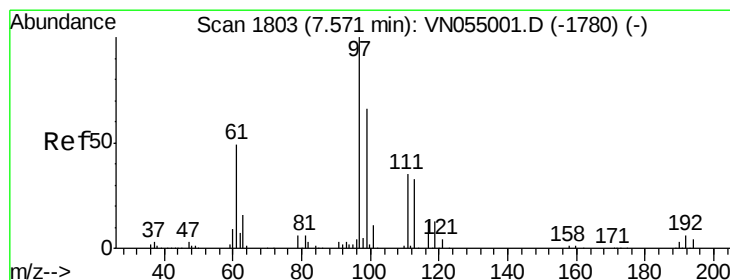
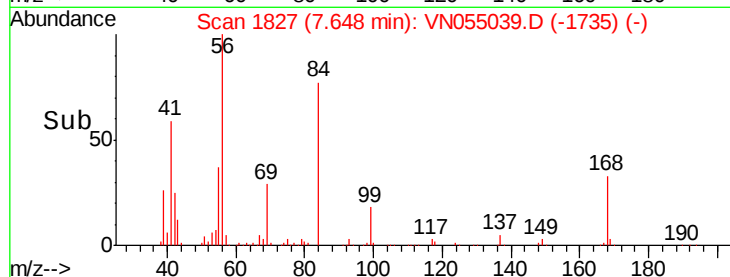
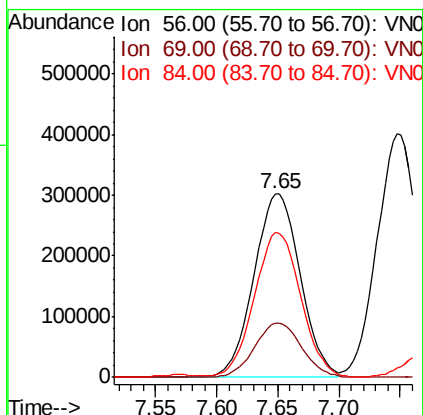
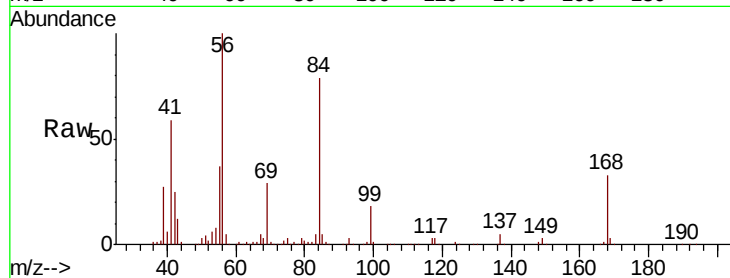




#31
Cyclohexane
Concen: 81.478 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

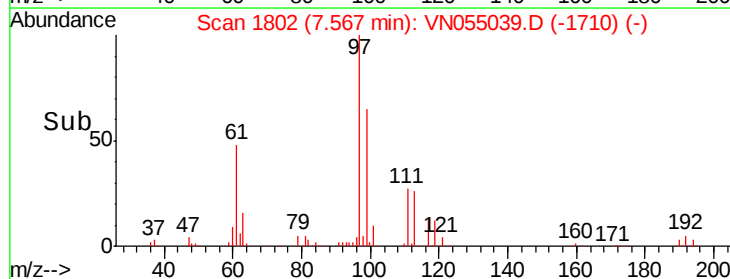
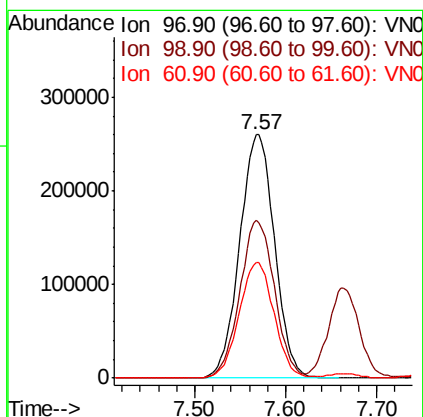
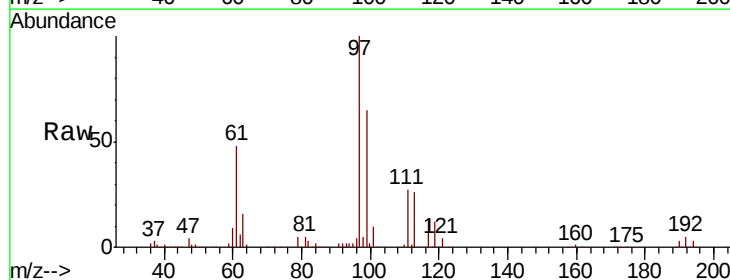
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

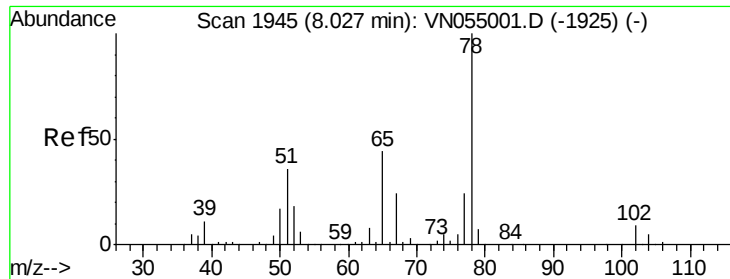
Tgt Ion: 56 Resp: 798278
Ion Ratio Lower Upper
56 100
69 29.4 24.5 36.7
84 77.8 62.9 94.3



#32
1,1,1-Trichloroethane
Concen: 102.406 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion: 97 Resp: 692632
Ion Ratio Lower Upper
97 100
99 64.4 51.6 77.4
61 47.7 38.3 57.5

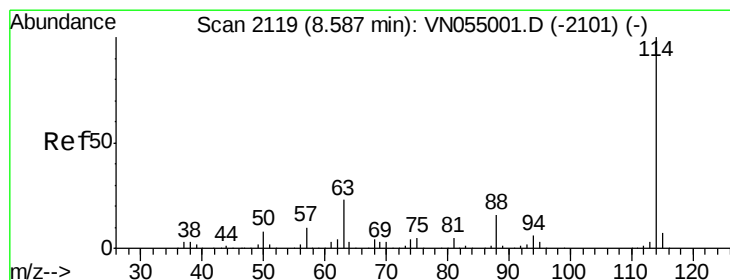
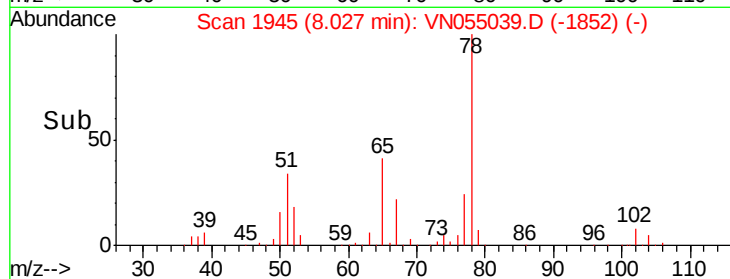
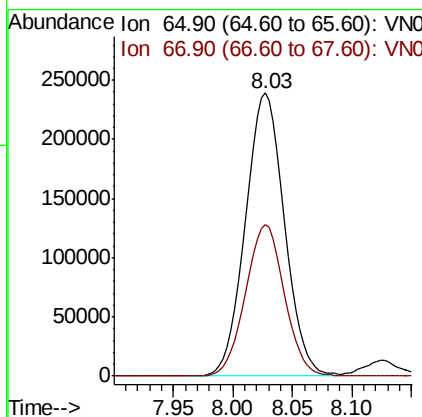
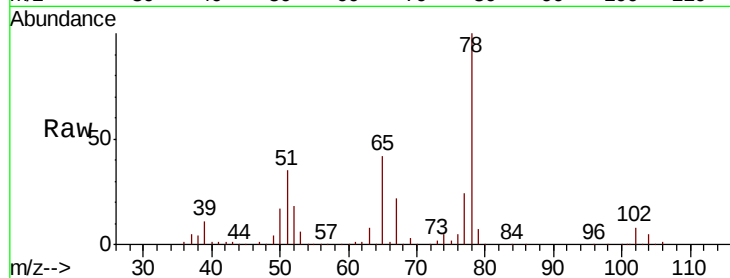




#33
 1,2-Dichloroethane-d4
 Concen: 100.706 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

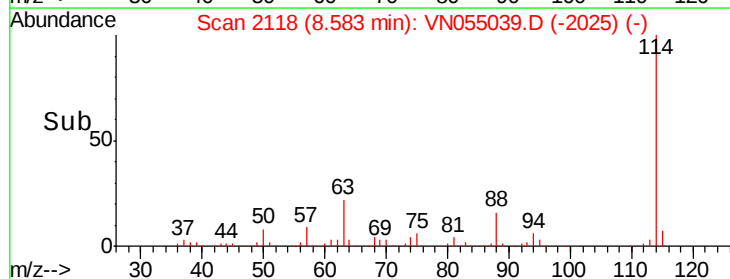
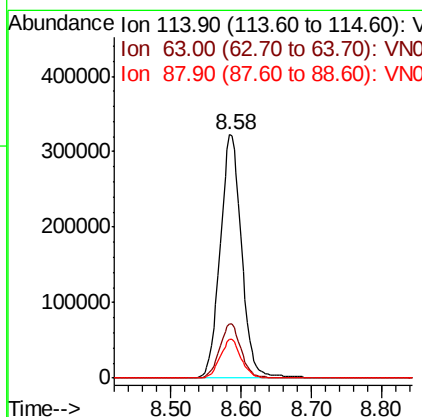
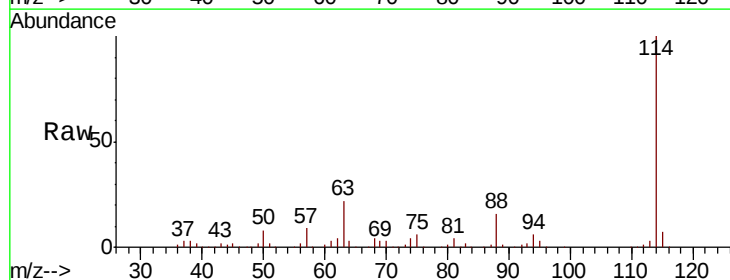
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

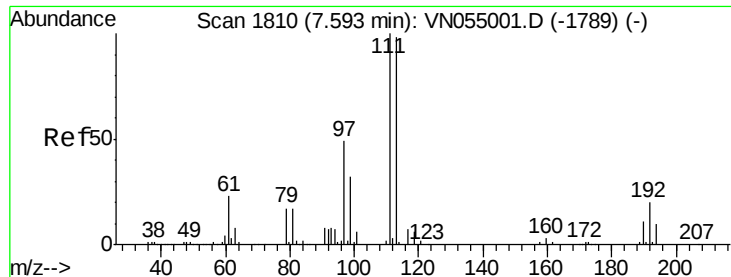
Tgt Ion: 65 Resp: 543920
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Tgt Ion: 114 Resp: 683214
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.2
 88 15.9 0.0 31.8

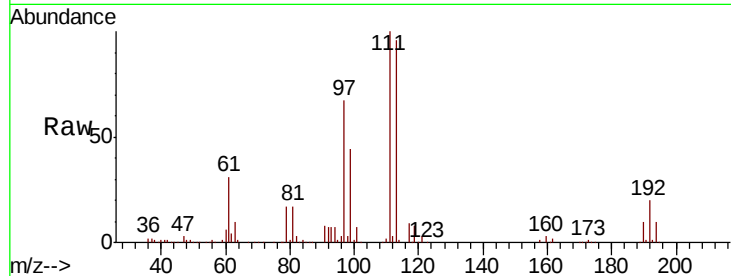




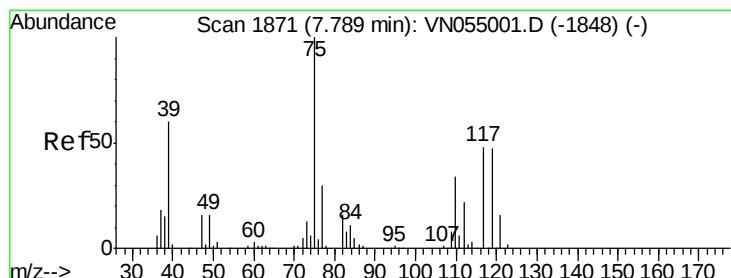
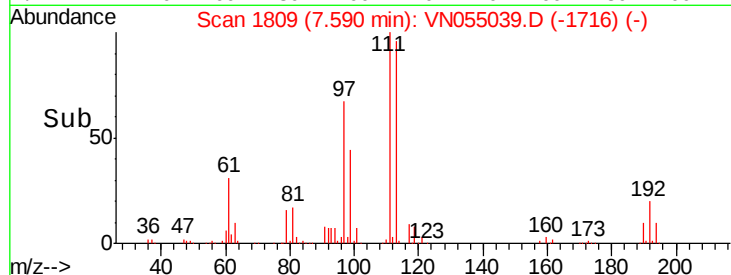
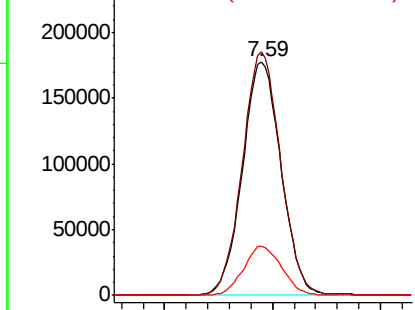
#35
 Dibromofluoromethane
 Concen: 101.482 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:113 Resp: 441983
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.1 123.1
 192 20.9 16.5 24.7

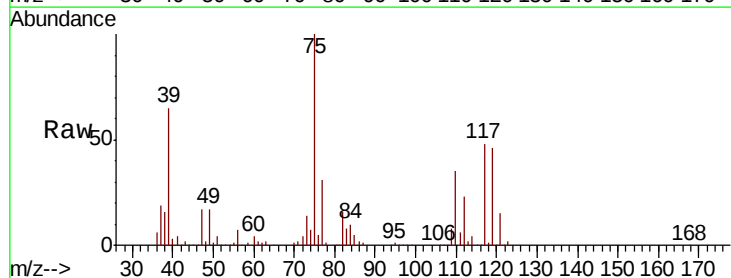


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

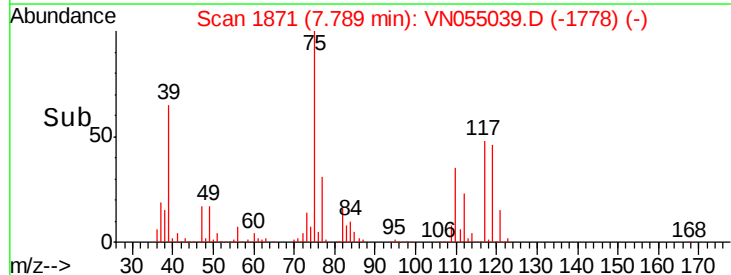
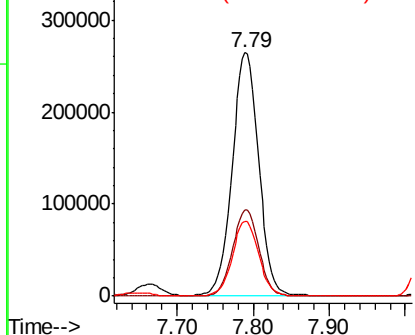


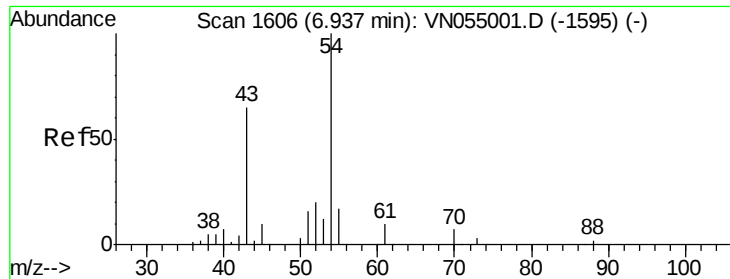
#36
 1,1-Dichloropropene
 Concen: 101.360 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Tgt Ion: 75 Resp: 640018
 Ion Ratio Lower Upper
 75 100
 110 35.1 17.5 52.5
 77 31.0 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

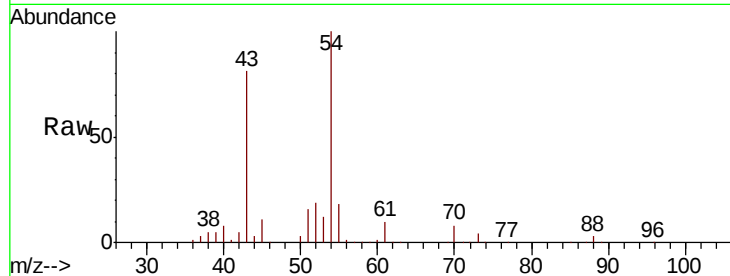




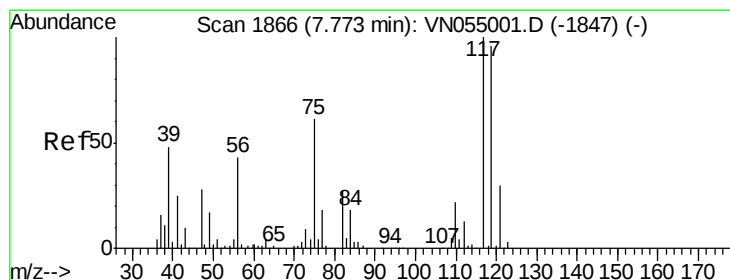
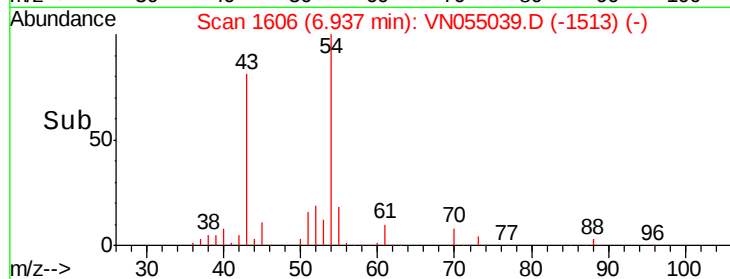
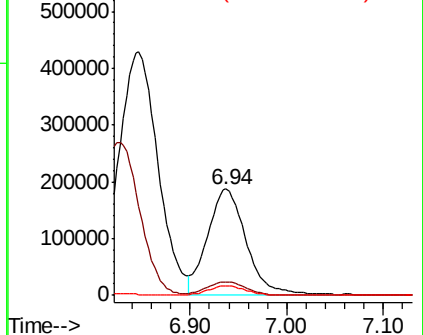
#37
 Ethyl Acetate
 Concen: 108.391 ug/l
 RT: 6.94 min Scan# 1606
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 43 Resp: 513797
 Ion Ratio Lower Upper
 43 100
 61 12.8 10.0 15.0
 70 8.5 7.1 10.7

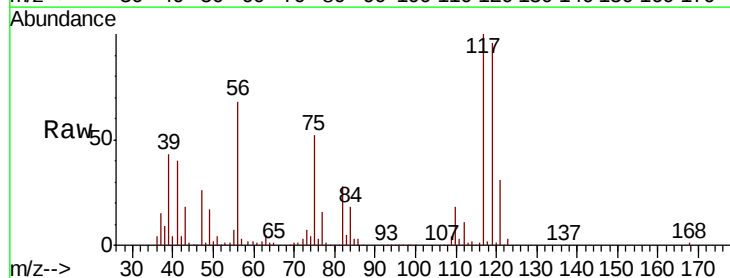


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0

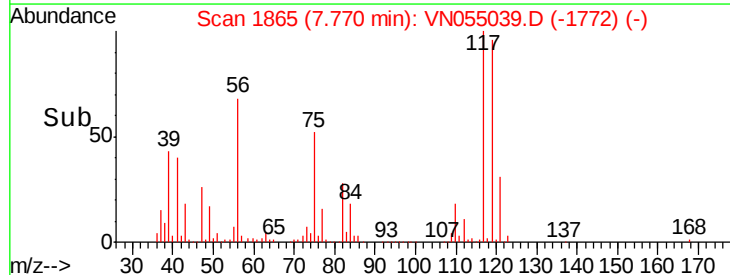
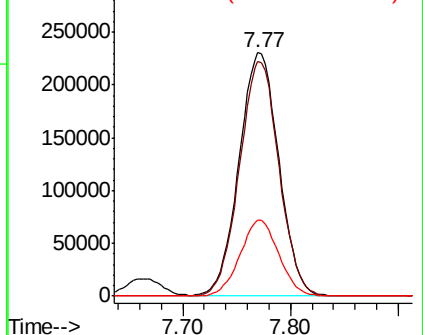


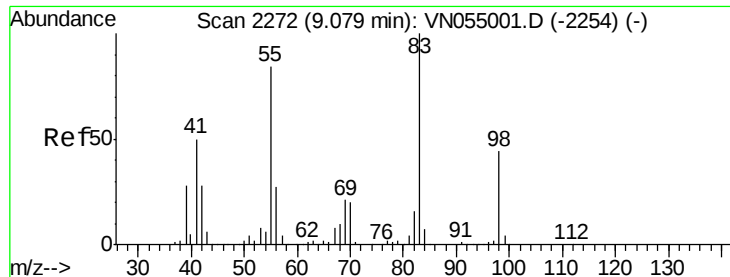
#38
 Carbon Tetrachloride
 Concen: 99.338 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Tgt Ion: 117 Resp: 590425
 Ion Ratio Lower Upper
 117 100
 119 96.5 76.3 114.5
 121 31.4 23.9 35.9



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

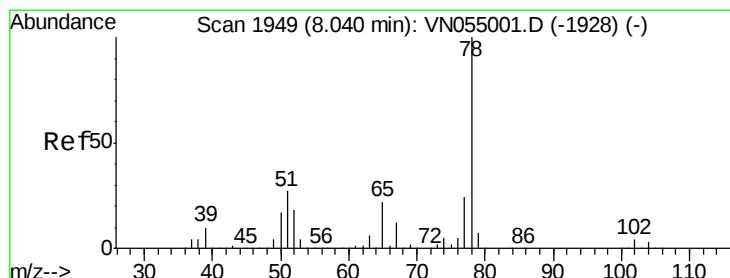
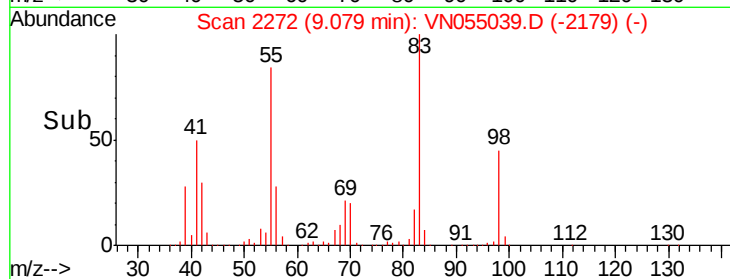
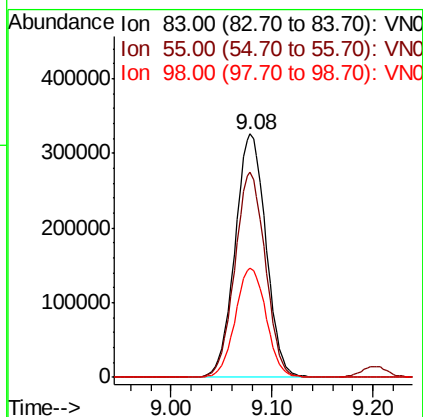
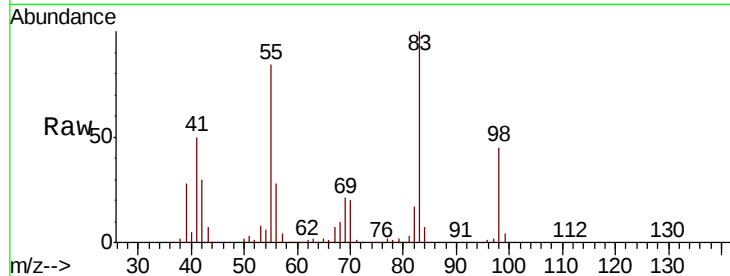




#39
Methylcyclohexane
Concen: 95.620 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

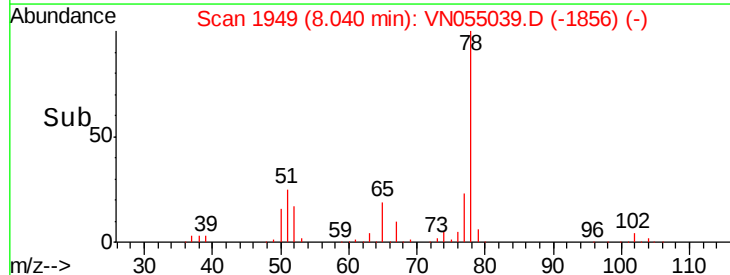
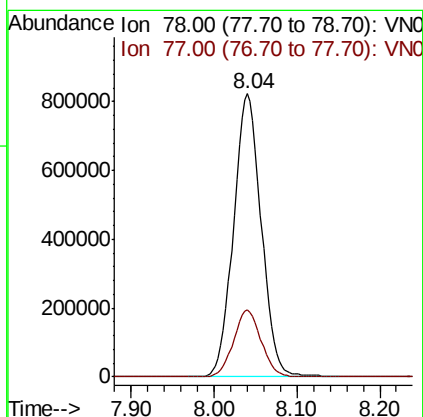
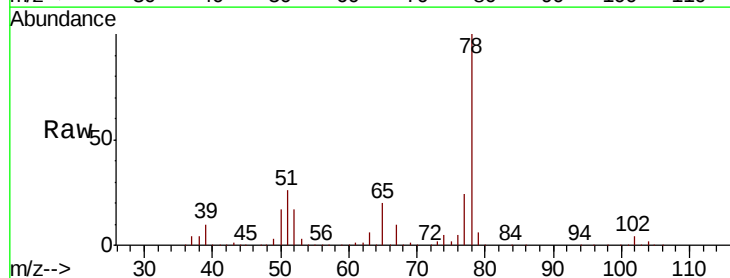
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

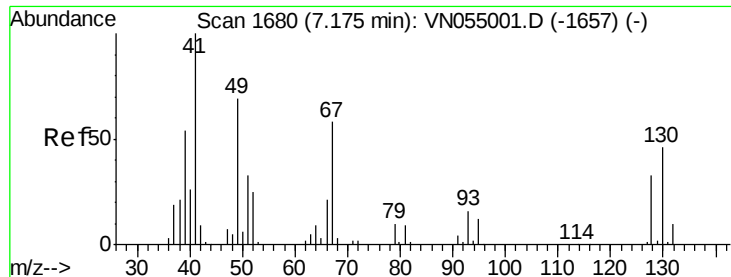
Tgt Ion: 83 Resp: 691213
Ion Ratio Lower Upper
83 100
55 84.3 67.0 100.4
98 44.9 35.6 53.4



#40
Benzene
Concen: 100.347 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion: 78 Resp: 1915641
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2

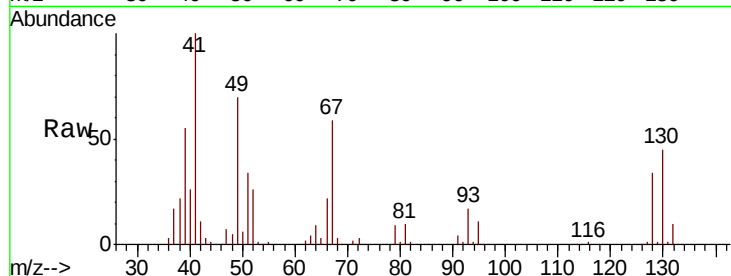




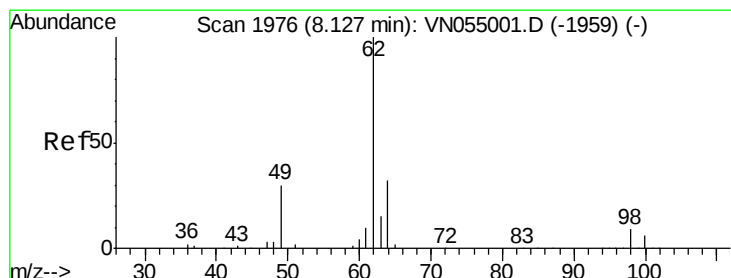
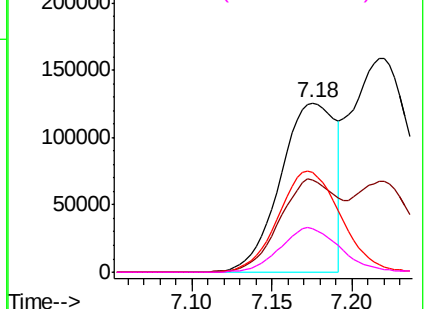
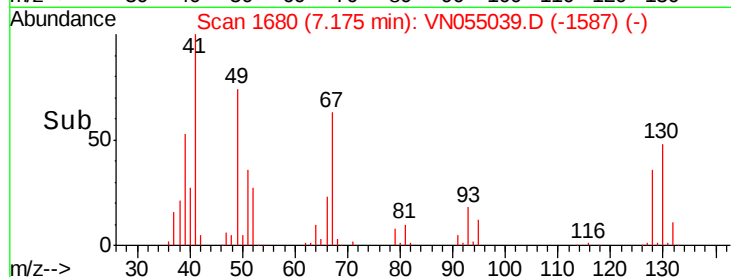
#41
Methacrylonitrile
Concen: 103.193 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:	41	Resp:	300990
Ion	Ratio	Lower	Upper
41	100		
39	57.0	45.6	68.4
67	68.5	57.0	85.6
52	28.6	23.6	35.4

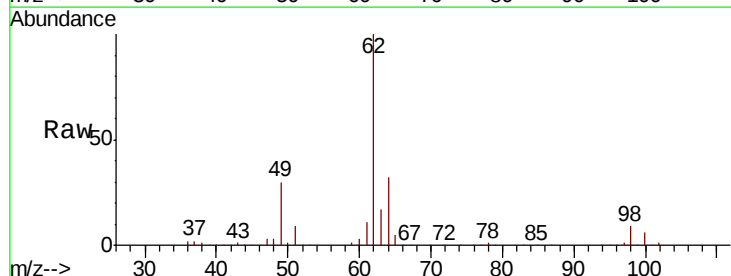


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

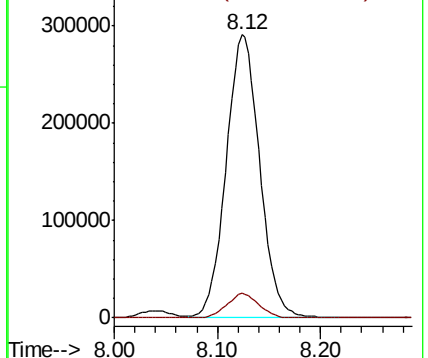
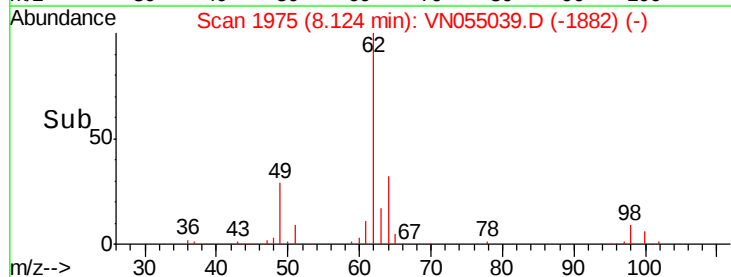


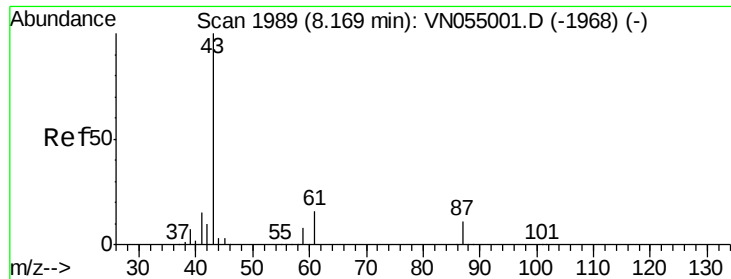
#42
1,2-Dichloroethane
Concen: 97.667 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion:	62	Resp:	655889
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 108.576 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

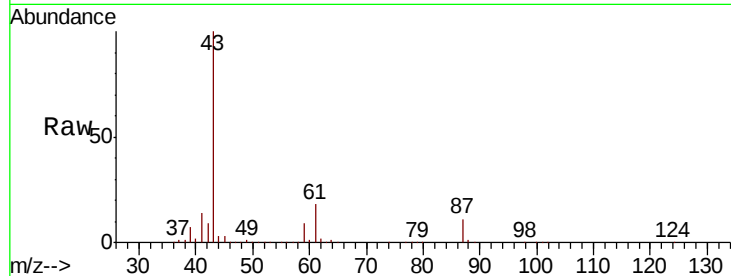
Tgt Ion: 43 Resp: 880053

Ion Ratio Lower Upper

43 100

61 18.2 14.3 21.5

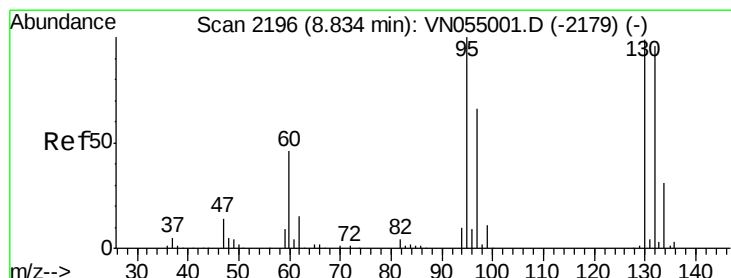
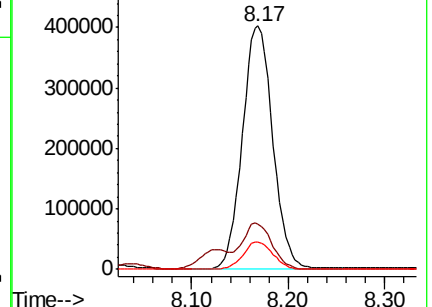
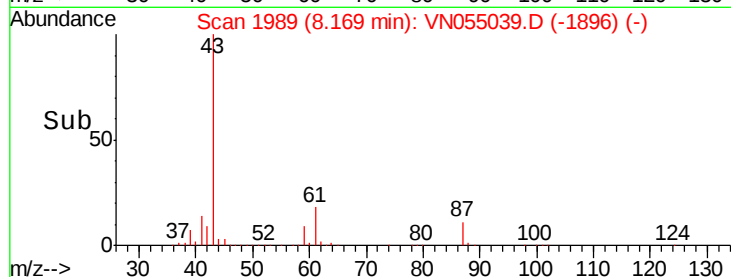
87 11.1 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN055001.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN055001.D (-1968) (-)



#44

Trichloroethene

Concen: 100.144 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055039.D

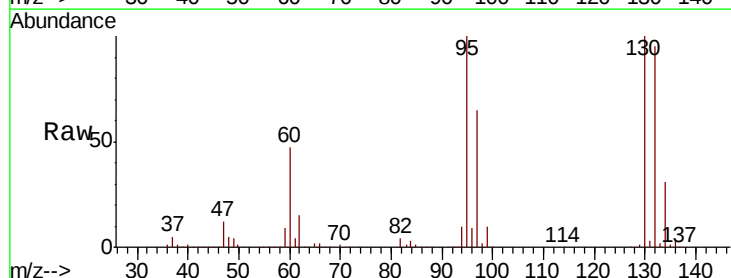
Acq: 15 Apr 2019 11:35

Tgt Ion: 130 Resp: 488568

Ion Ratio Lower Upper

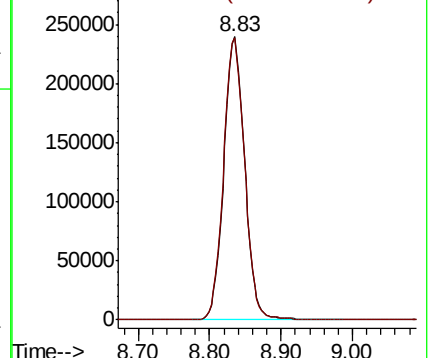
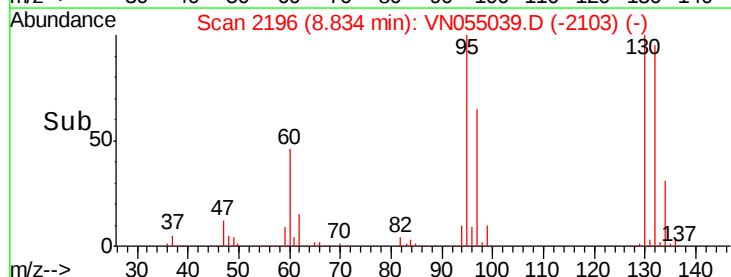
130 100

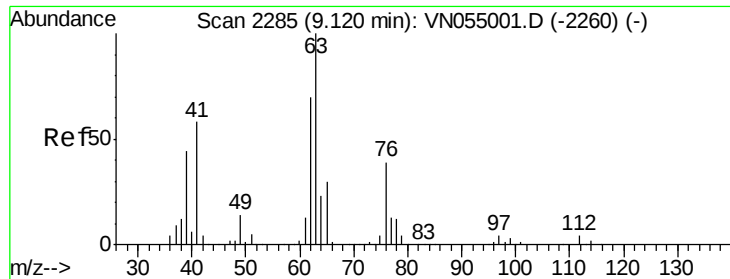
95 99.8 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN055001.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055001.D (-2179) (-)

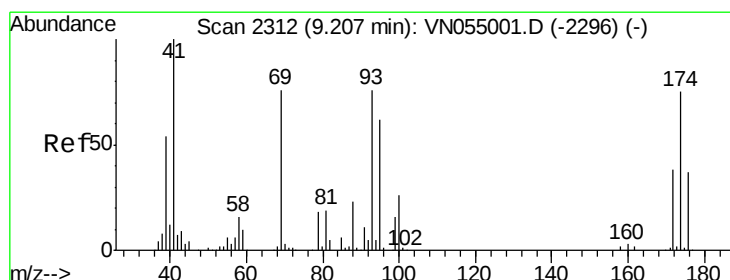
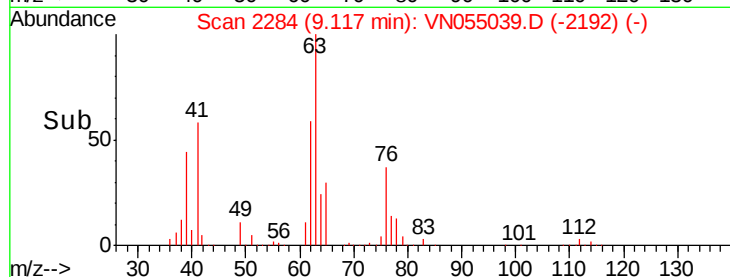
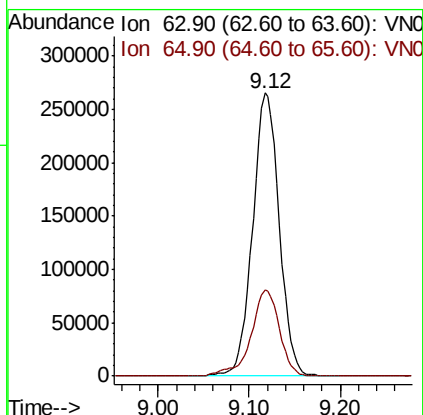
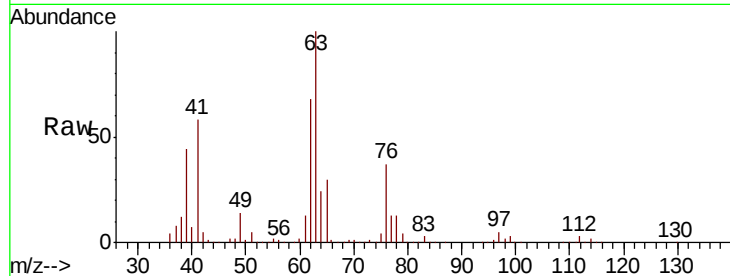




#45
 1,2-Dichloropropane
 Concen: 99.965 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

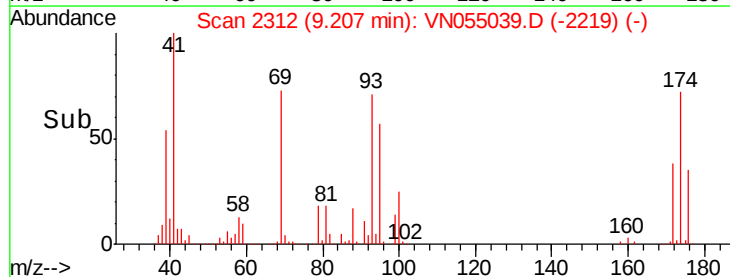
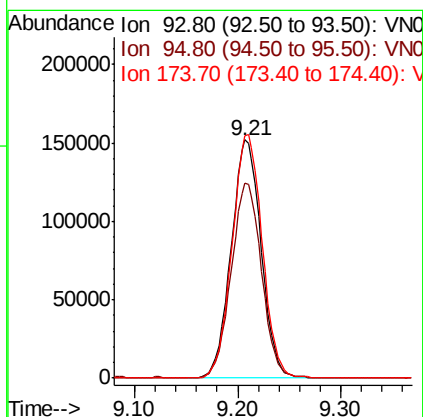
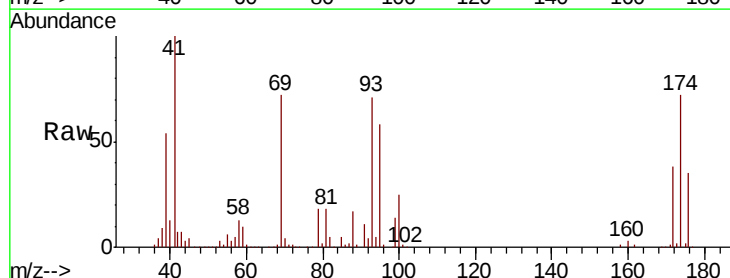
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

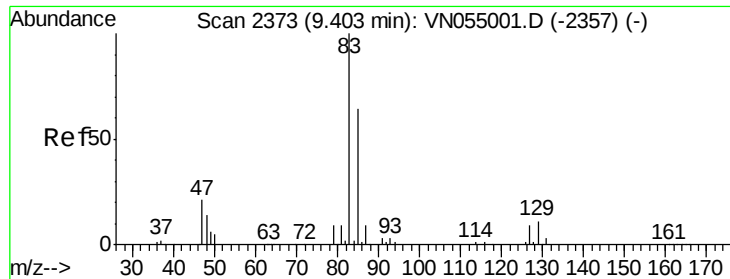
Tgt Ion: 63 Resp: 538530
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.4 36.6



#46
 Dibromomethane
 Concen: 99.551 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Tgt Ion: 93 Resp: 307299
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.0 97.6
 174 103.2 81.0 121.6





#47

Bromodichloromethane

Concen: 103.533 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

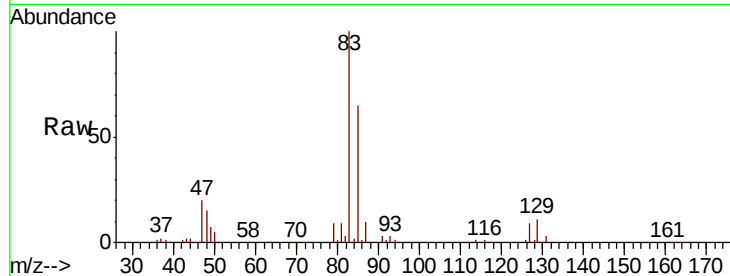
Tgt Ion: 83 Resp: 649911

Ion Ratio Lower Upper

83 100

85 65.3 51.2 76.8

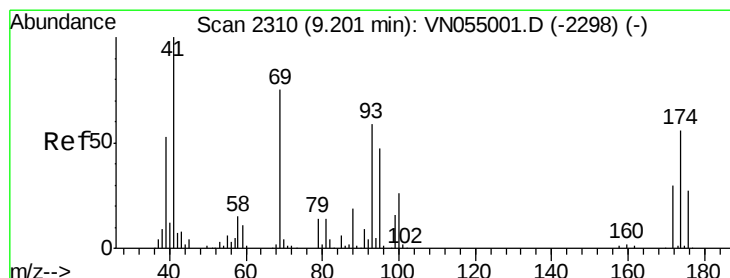
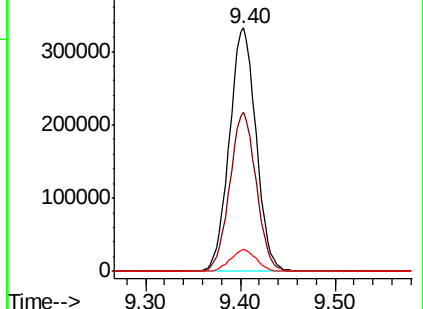
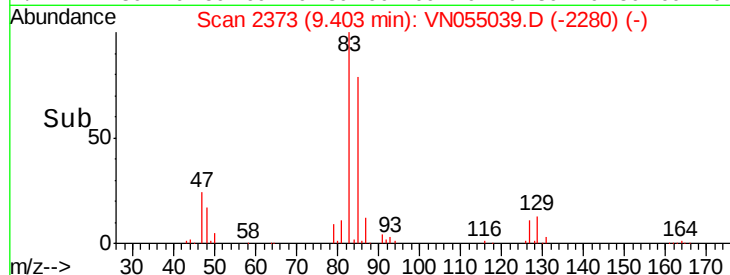
127 8.9 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN055039.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055039.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055039.D (-2280) (-)



#48

Methyl methacrylate

Concen: 107.515 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

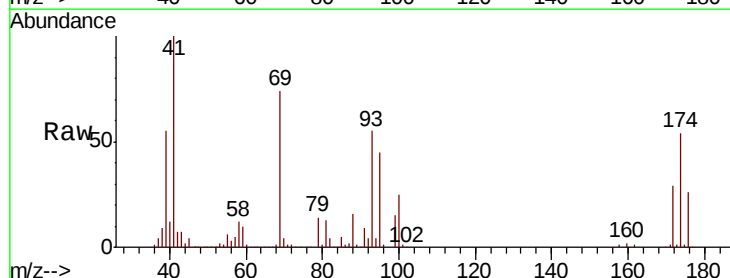
Tgt Ion: 41 Resp: 448922

Ion Ratio Lower Upper

41 100

69 75.4 60.5 90.7

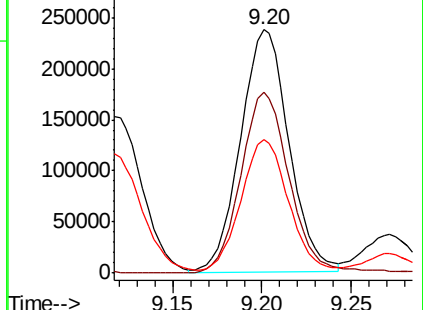
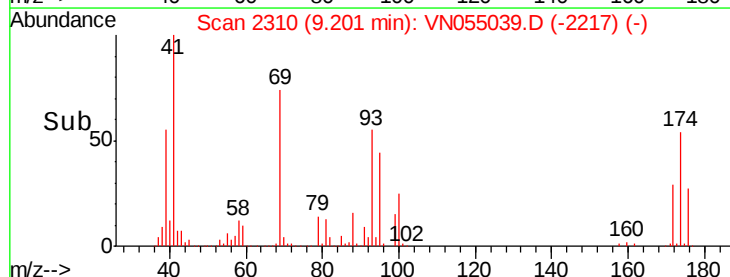
39 54.4 43.9 65.9

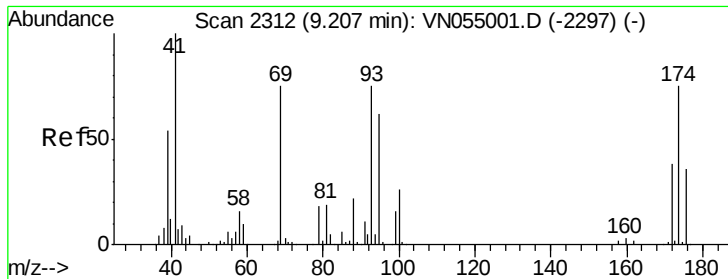


Abundance Ion 41.00 (40.70 to 41.70): VN055039.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055039.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055039.D (-2217) (-)





#49

1,4-Dioxane

Concen: 1748.860 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

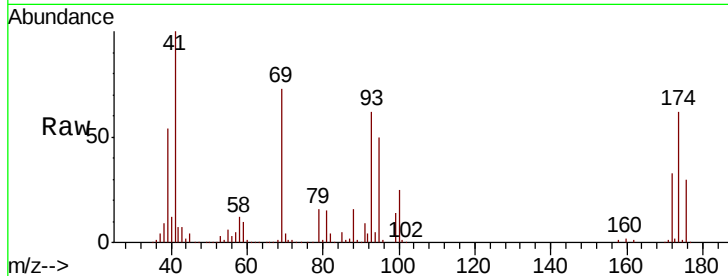
Tgt Ion: 88 Resp: 78532

Ion Ratio Lower Upper

88 100

43 39.5 31.8 47.8

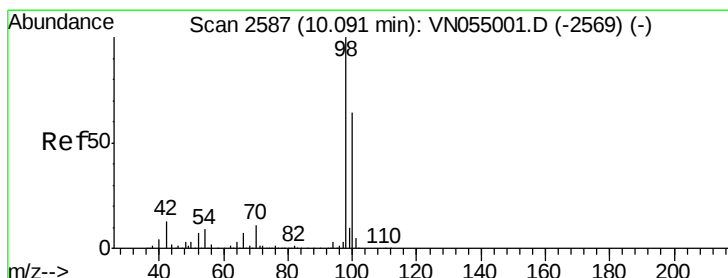
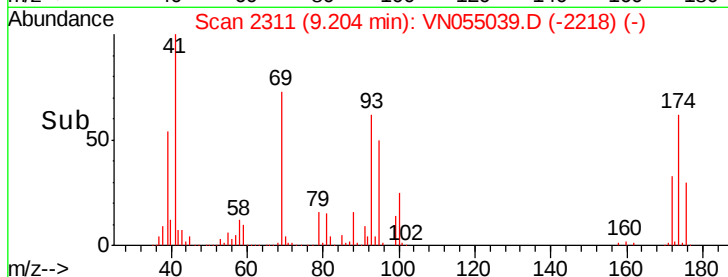
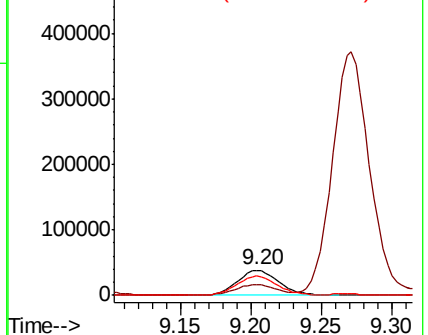
58 75.2 61.6 92.4



Abundance Ion 88.00 (87.70 to 88.70): VN055001.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN055001.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN055001.D (-2297) (-)



#50

Toluene-d8

Concen: 103.050 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055039.D

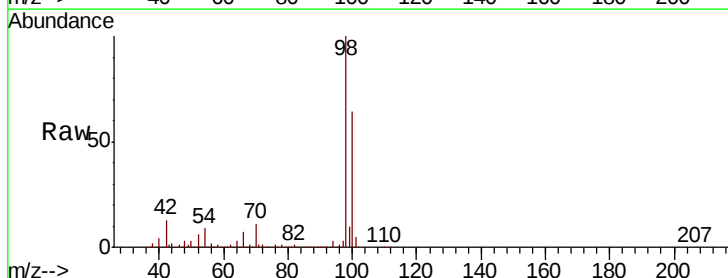
Acq: 15 Apr 2019 11:35

Tgt Ion: 98 Resp: 1648434

Ion Ratio Lower Upper

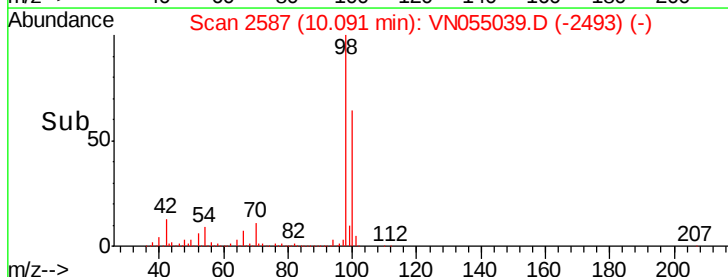
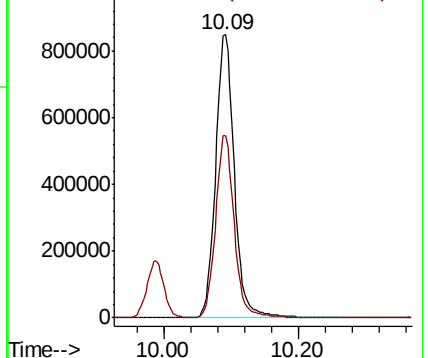
98 100

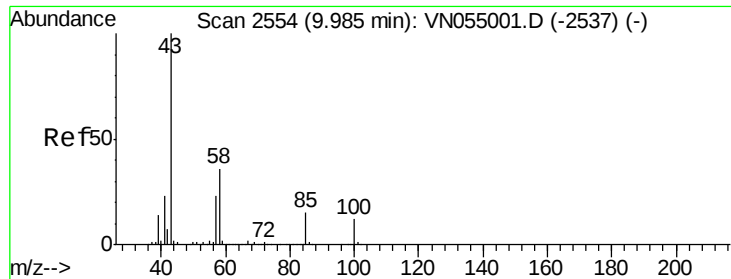
100 64.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055001.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN055001.D (-2569) (-)





#51

4-Methyl-2-Pentanone

Concen: 536.397 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

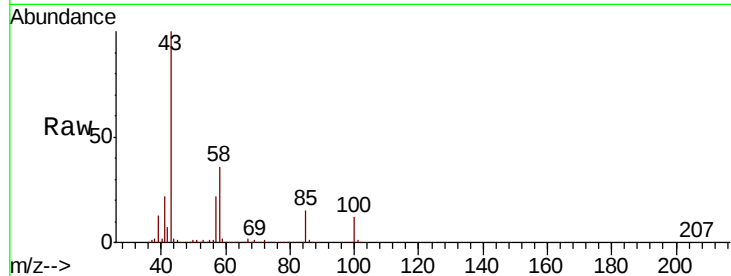
VSTDIC100

Tgt Ion: 43 Resp: 2545692

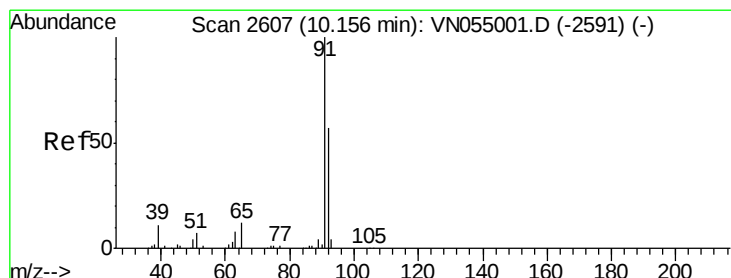
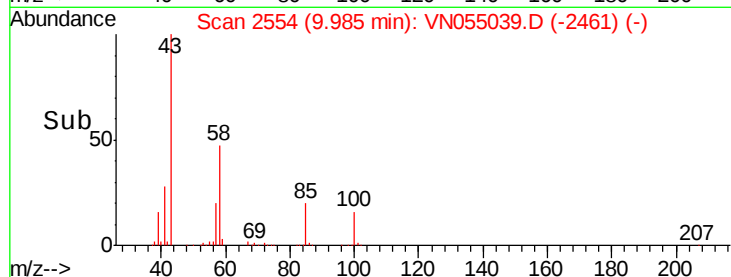
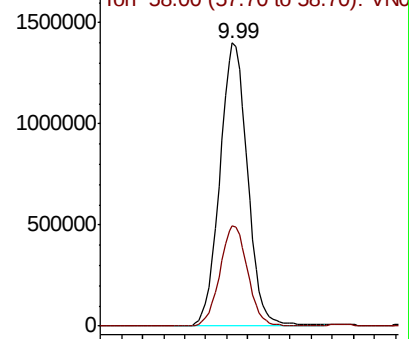
Ion Ratio Lower Upper

43 100

58 35.5 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-2537) (-)



#52

Toluene

Concen: 101.818 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055039.D

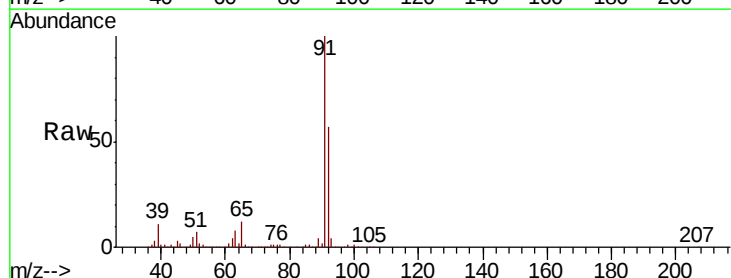
Acq: 15 Apr 2019 11:35

Tgt Ion: 92 Resp: 1149542

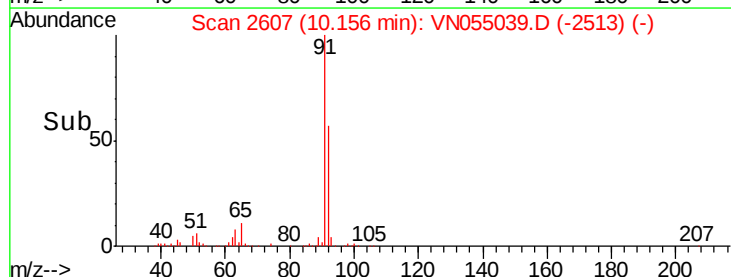
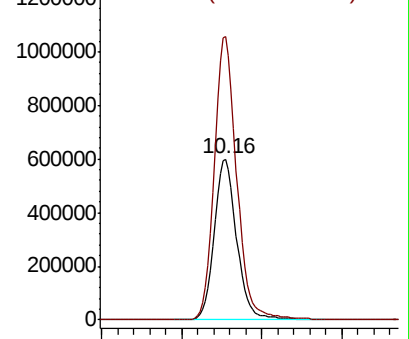
Ion Ratio Lower Upper

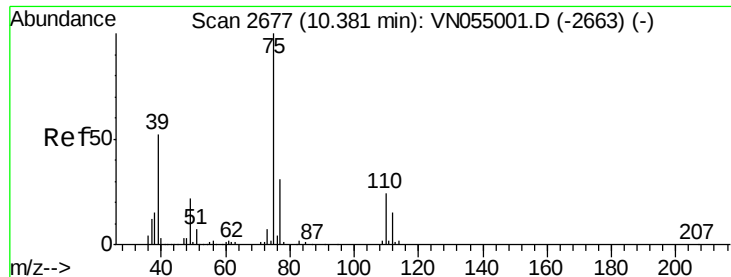
92 100

91 176.4 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN055001.D (-2591) (-)





#53

t-1,3-Dichloropropene

Concen: 115.897 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

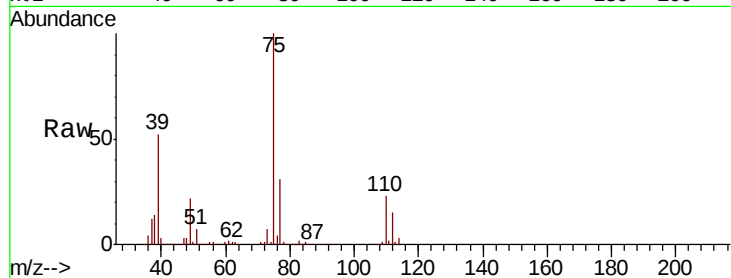
VSTDIC100

Tgt Ion: 75 Resp: 658768

Ion Ratio Lower Upper

75 100

77 31.2 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

400000

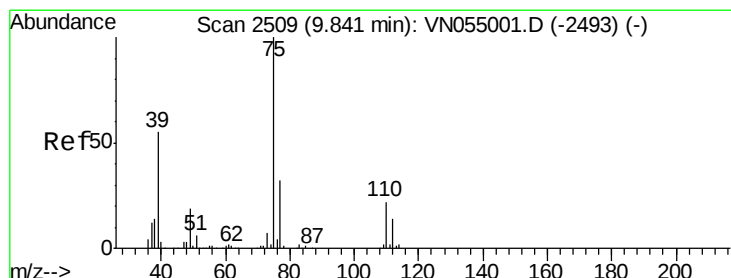
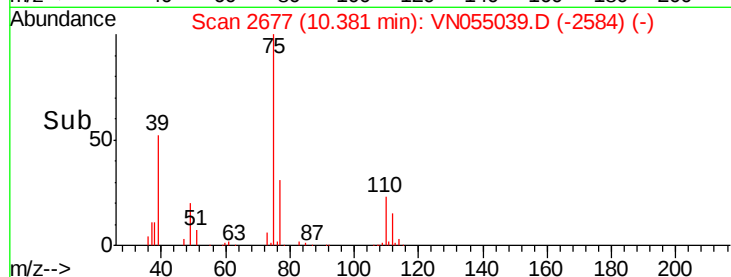
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 112.194 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

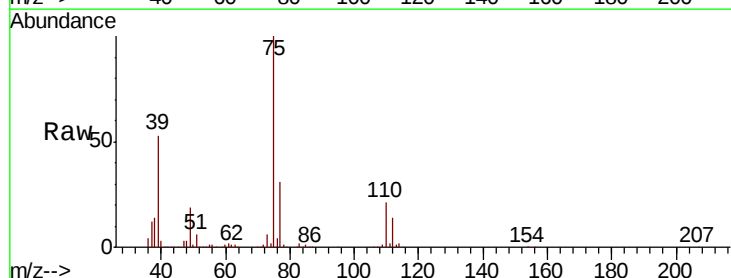
Tgt Ion: 75 Resp: 785571

Ion Ratio Lower Upper

75 100

77 30.7 25.8 38.6

39 53.3 43.8 65.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

500000

400000

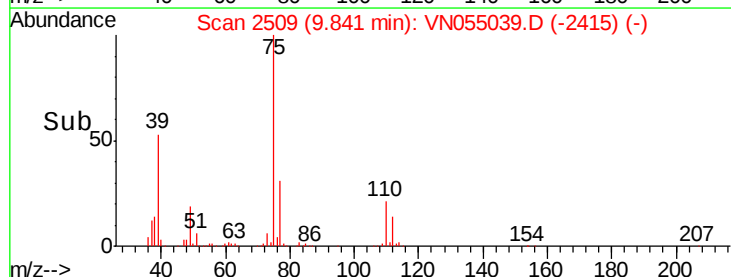
300000

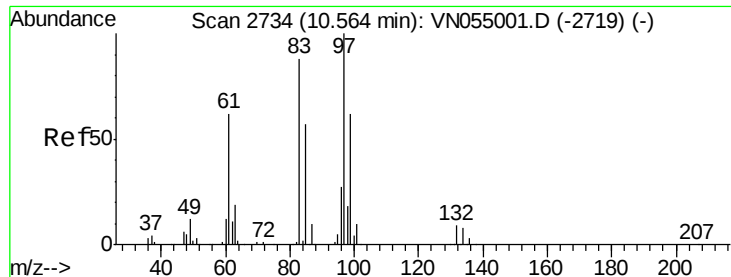
200000

100000

0

Time-->

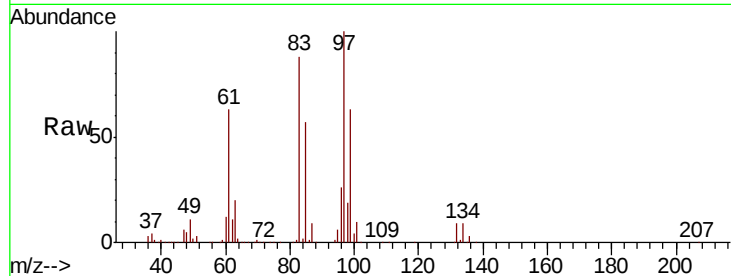




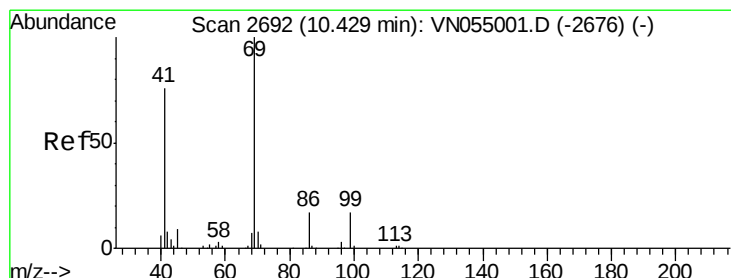
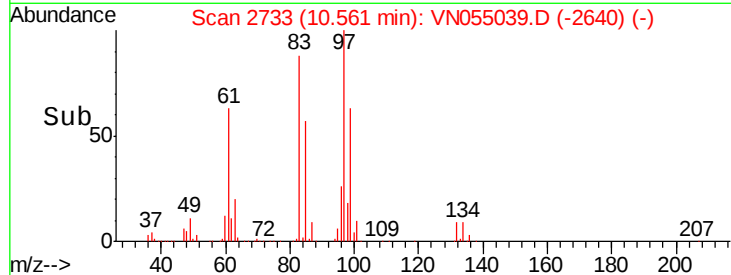
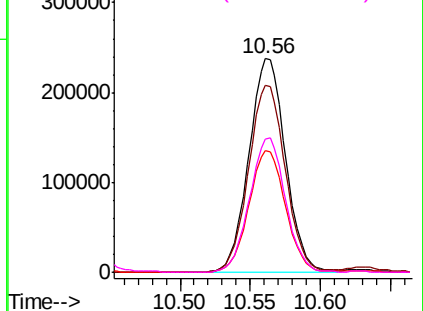
#55
 1,1,2-Trichloroethane
 Concen: 102.697 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:	97	Resp:	431919
Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.5	105.7
85	57.2	45.5	68.3
99	62.4	49.4	74.0

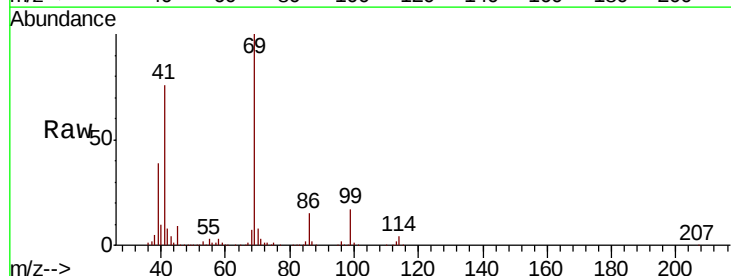


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

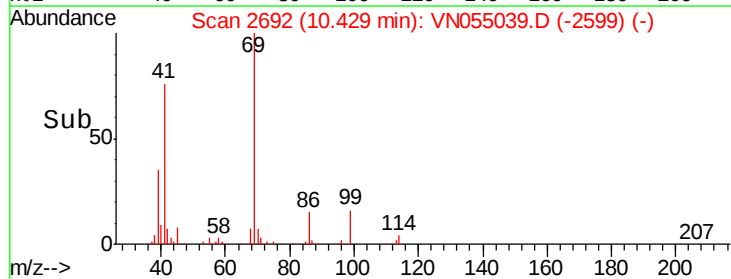
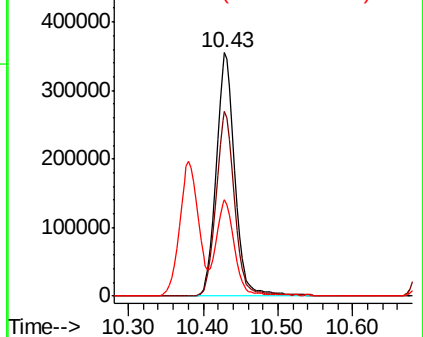


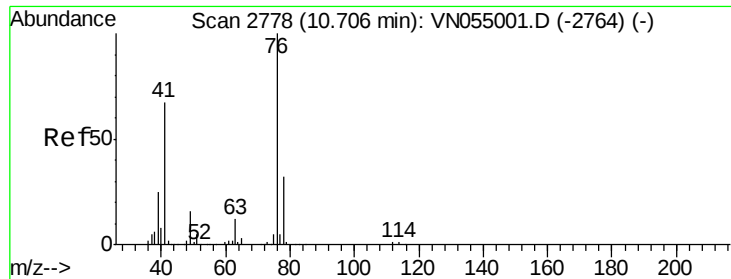
#56
 Ethyl methacrylate
 Concen: 113.109 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Tgt Ion:	69	Resp:	612130
Ion	Ratio	Lower	Upper
69	100		
41	74.5	61.4	92.0
39	38.3	30.8	46.2



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

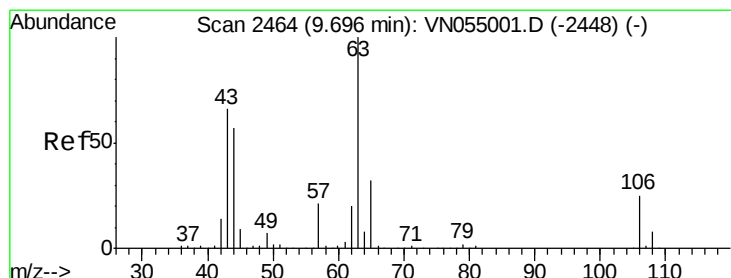
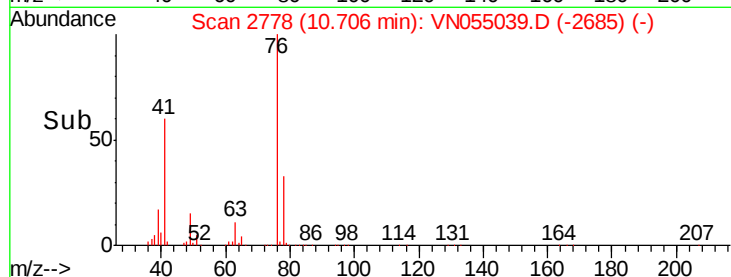
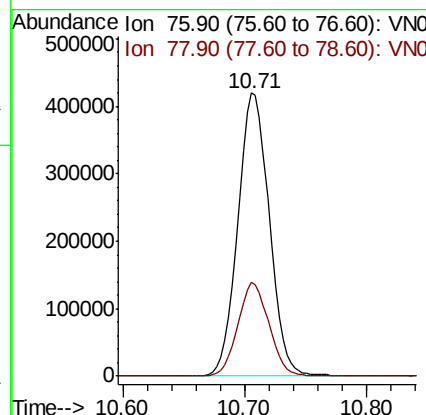
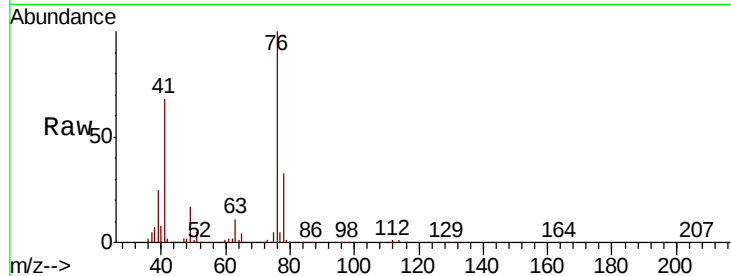




#57
 1,3-Dichloropropane
 Concen: 103.394 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

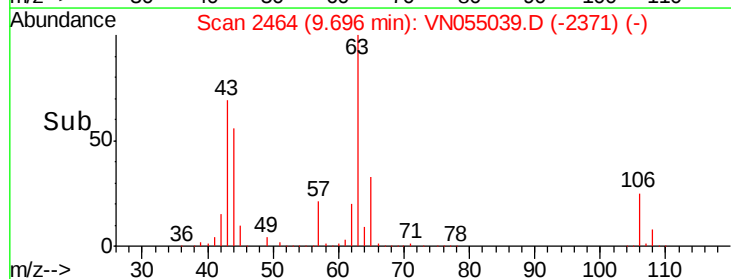
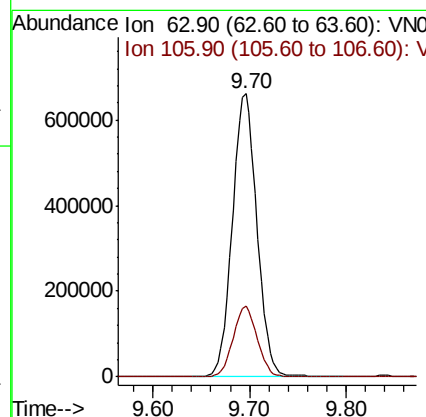
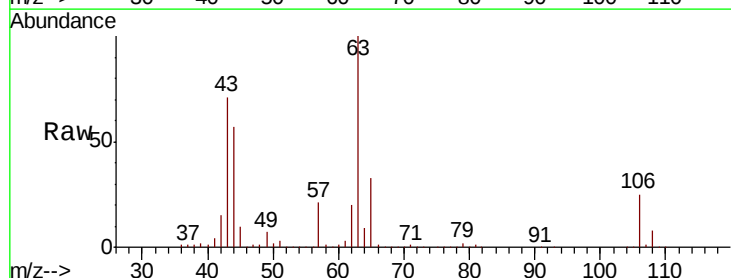
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

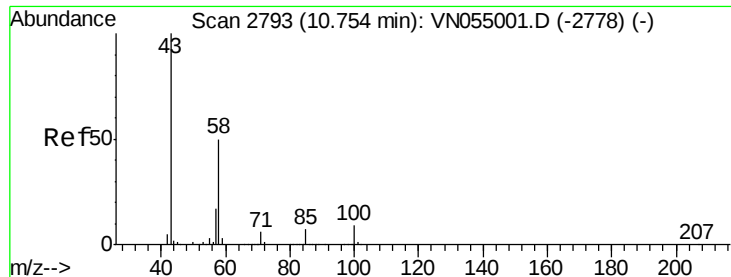
Tgt Ion: 76 Resp: 750157
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 552.534 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Tgt Ion: 63 Resp: 1169999
 Ion Ratio Lower Upper
 63 100
 106 24.5 20.0 30.0

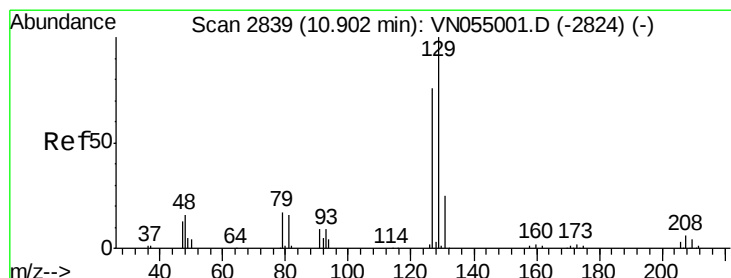
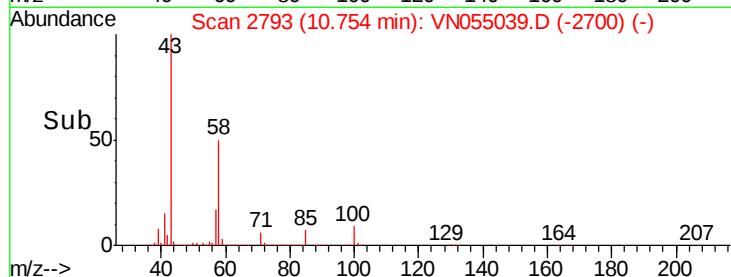
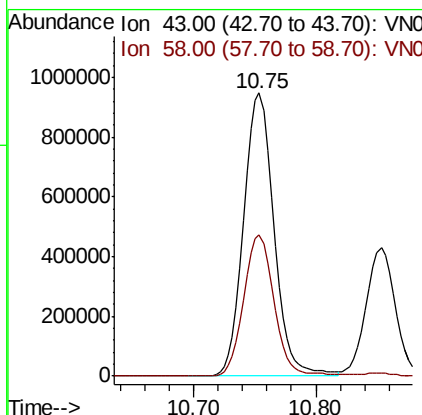
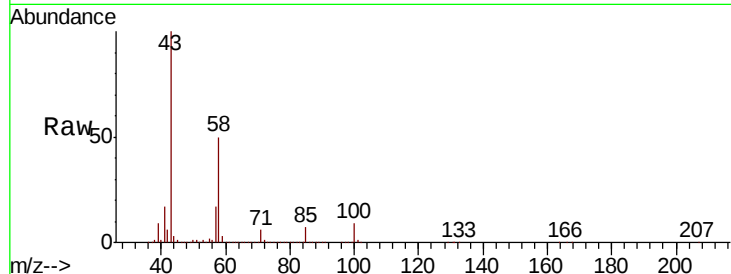




#59
2-Hexanone
Concen: 546.931 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

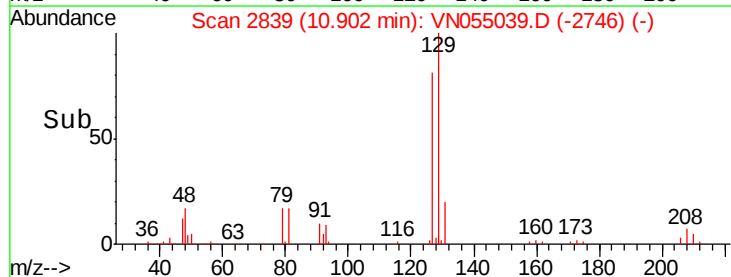
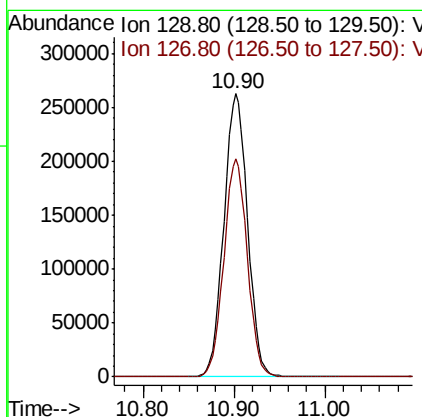
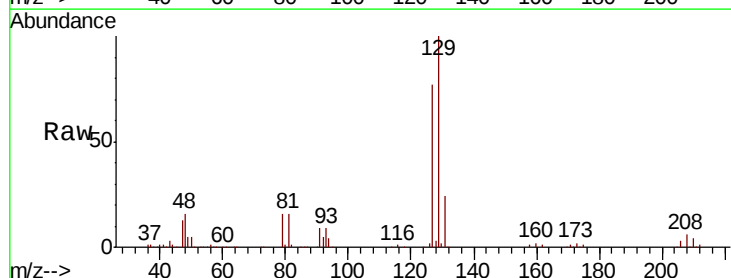
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

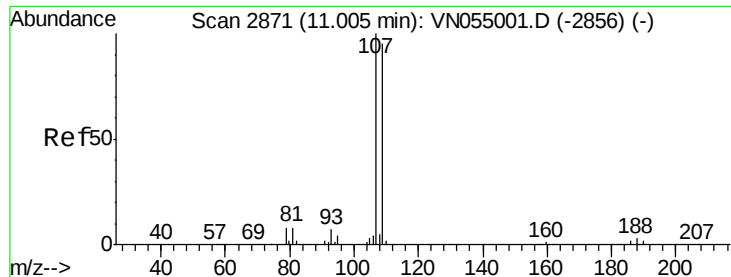
Tgt Ion: 43 Resp: 1622033
Ion Ratio Lower Upper
43 100
58 50.2 25.1 75.2



#60
Dibromochloromethane
Concen: 113.480 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion: 129 Resp: 475071
Ion Ratio Lower Upper
129 100
127 76.1 38.2 114.6

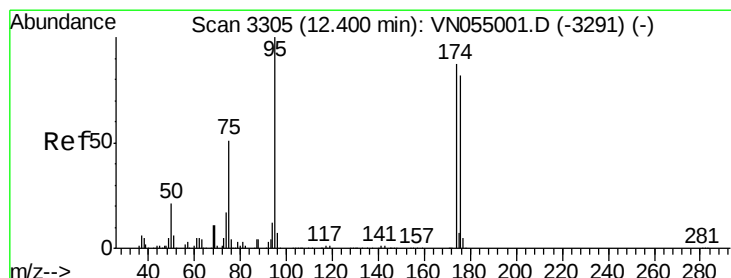
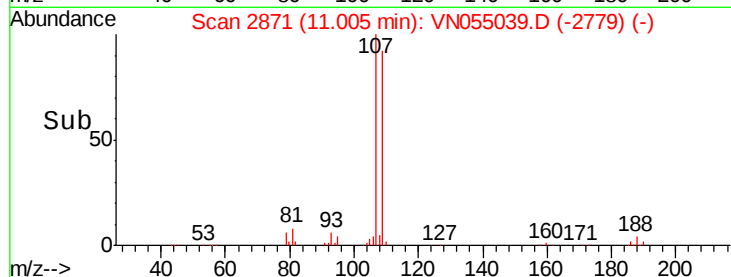
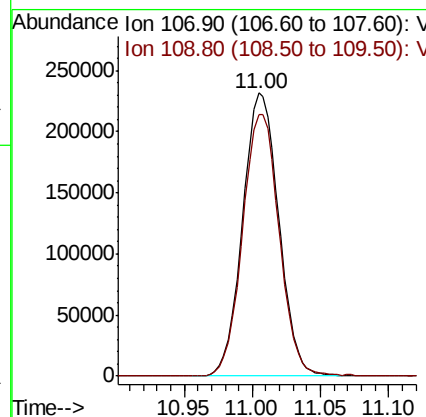
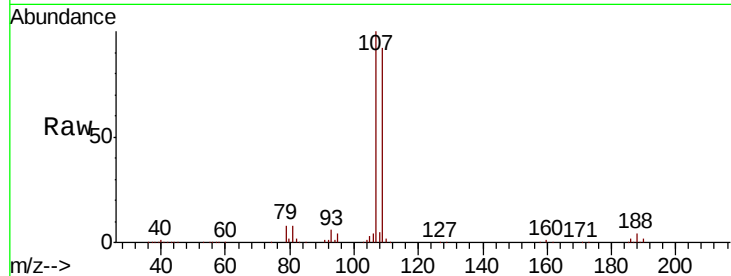




#61
 1,2-Dibromoethane
 Concen: 105.730 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

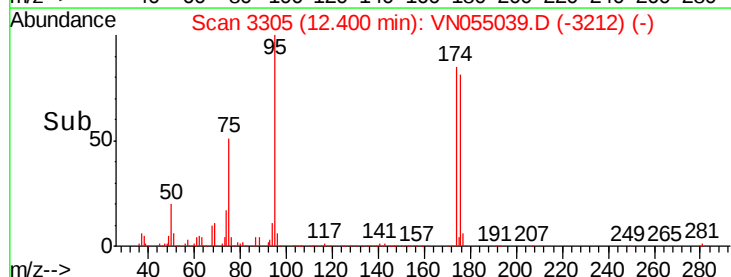
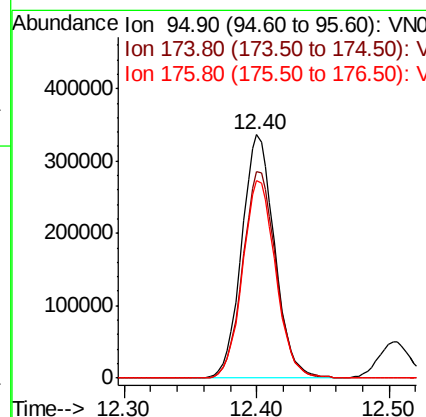
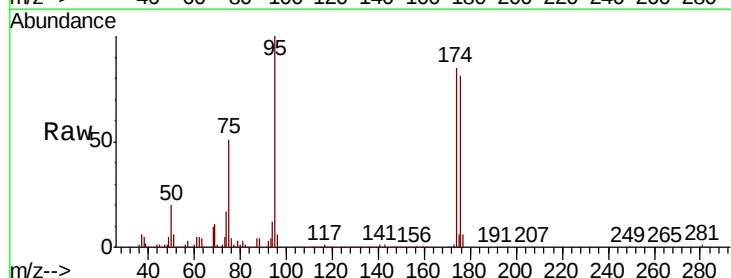
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

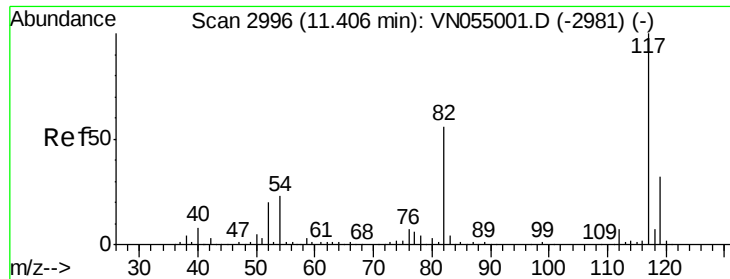
Tgt Ion: 107 Resp: 425745
 Ion Ratio Lower Upper
 107 100
 109 94.2 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 107.375 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Tgt Ion: 95 Resp: 578572
 Ion Ratio Lower Upper
 95 100
 174 85.9 0.0 174.4
 176 81.9 0.0 166.8

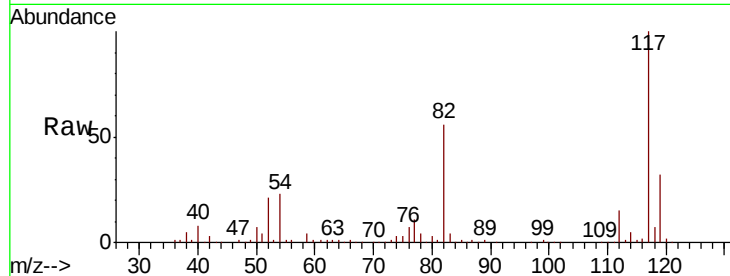




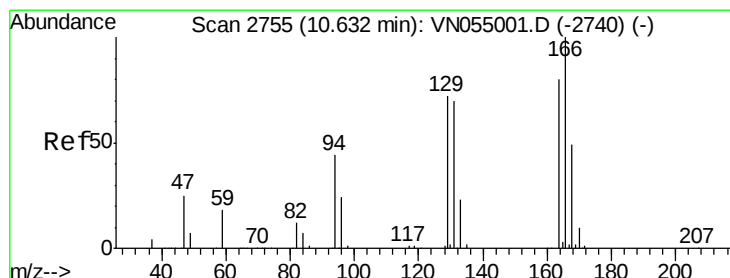
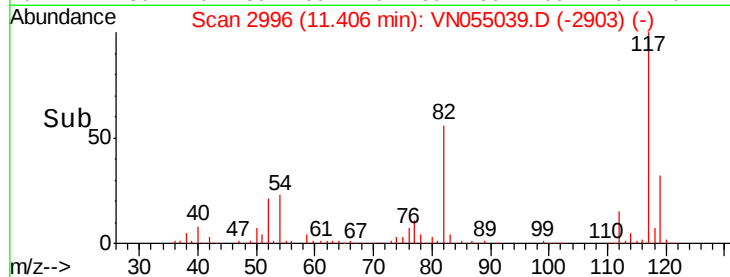
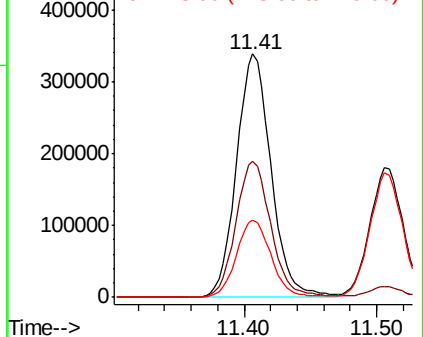
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 615890
Ion Ratio Lower Upper
117 100
82 56.1 44.6 66.8
119 31.7 25.5 38.3

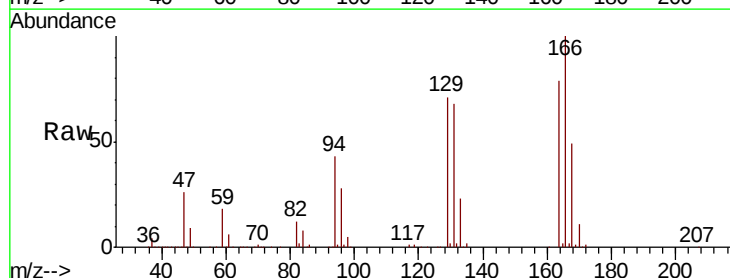


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

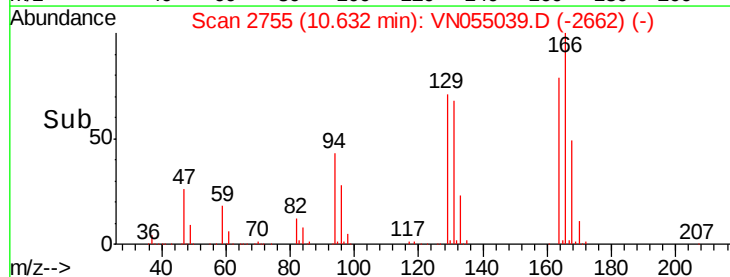
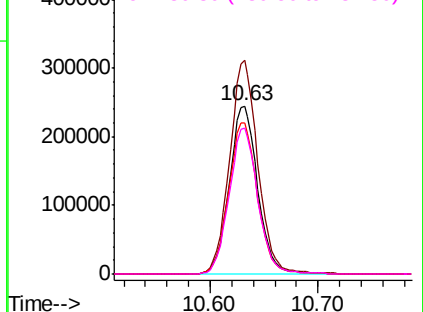


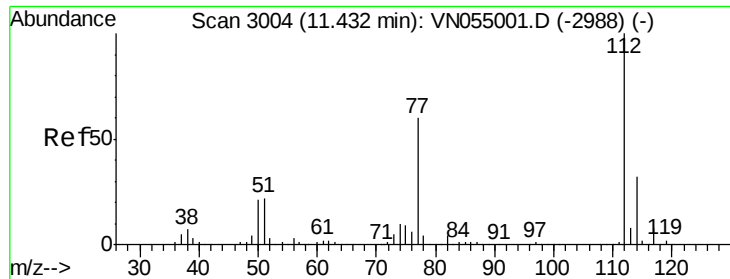
#64
Tetrachloroethene
Concen: 92.994 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion:164 Resp: 448010
Ion Ratio Lower Upper
164 100
166 127.3 100.0 150.0
129 90.4 72.0 108.0
131 87.0 69.7 104.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

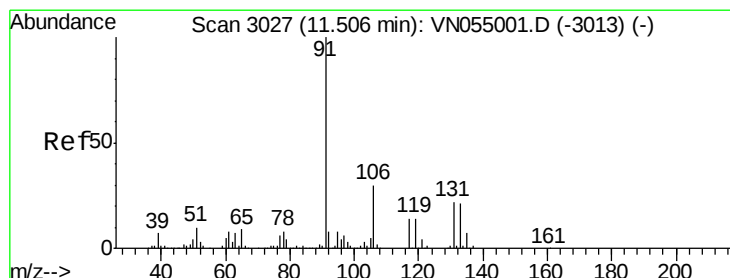
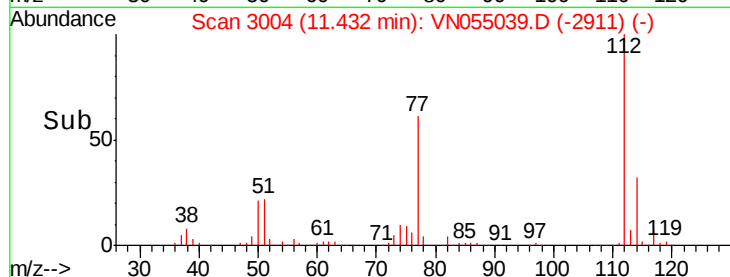
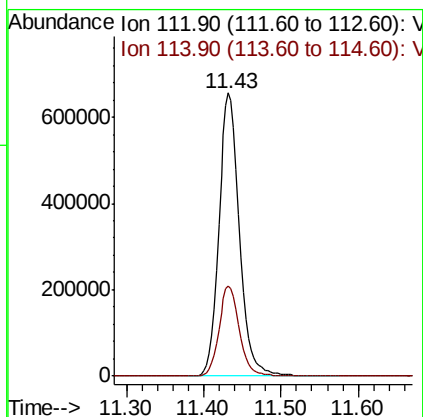
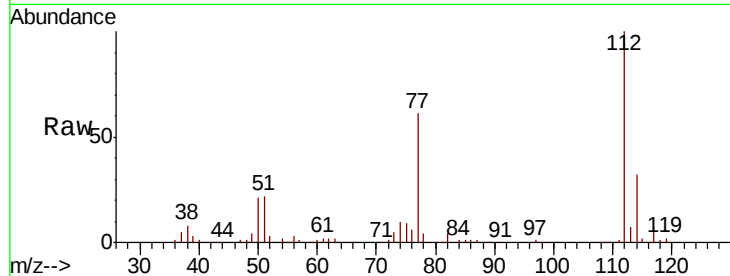




#65
Chlorobenzene
Concen: 102.215 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

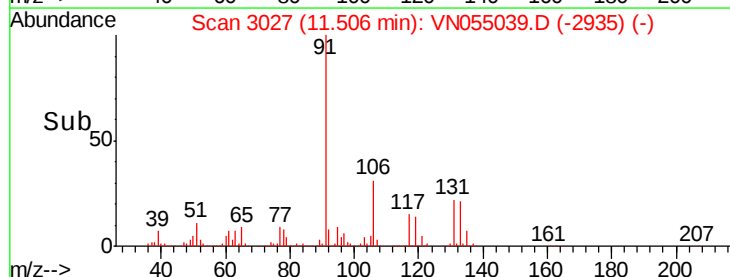
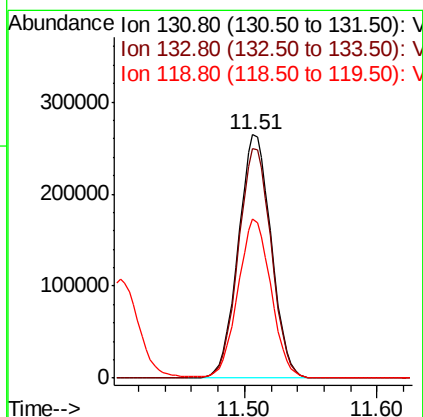
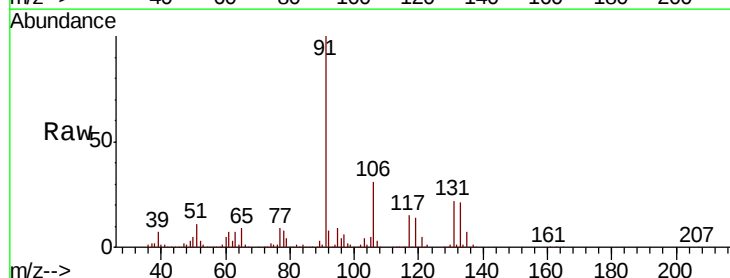
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

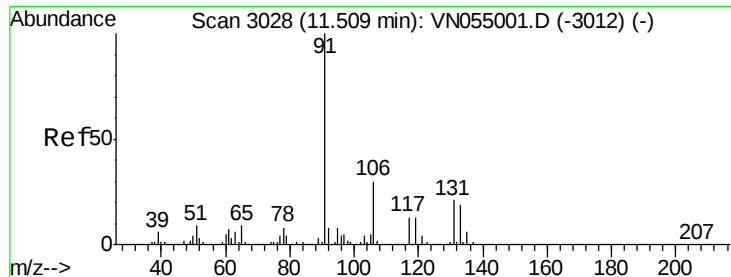
Tgt Ion:112 Resp: 1213855
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 103.930 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion:131 Resp: 454844
Ion Ratio Lower Upper
131 100
133 94.8 47.8 143.3
119 65.8 33.6 100.6





#67

Ethyl Benzene

Concen: 101.353 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

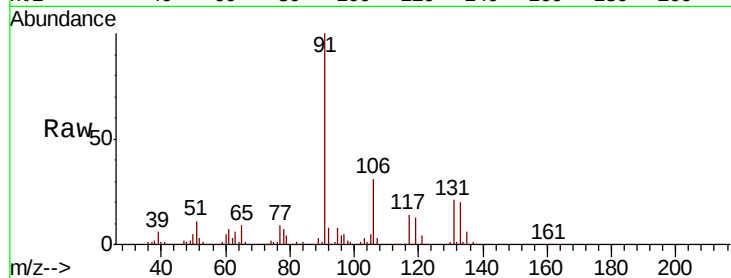
VSTDIC100

Tgt Ion: 91 Resp: 2210894

Ion Ratio Lower Upper

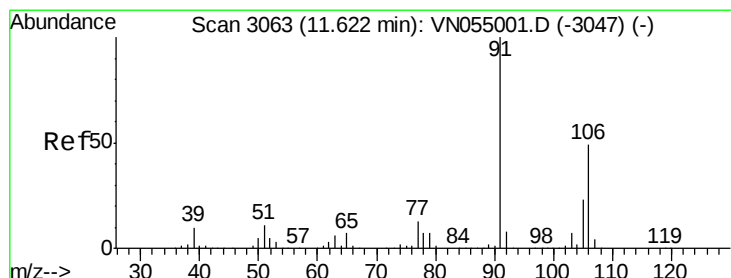
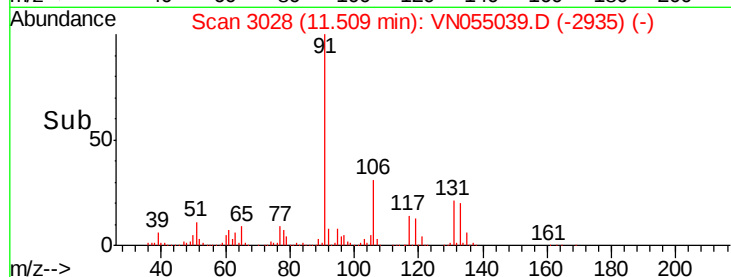
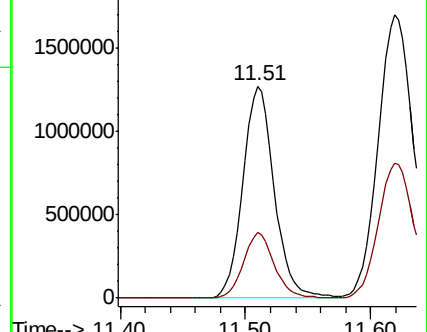
91 100

106 30.7 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN055001.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN055001.D (-3012) (-)



#68

m/p-Xylenes

Concen: 202.777 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055039.D

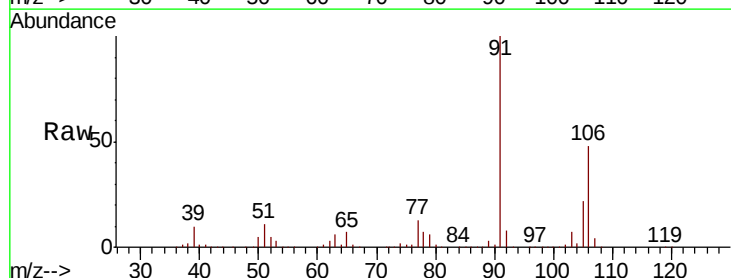
Acq: 15 Apr 2019 11:35

Tgt Ion: 106 Resp: 1618327

Ion Ratio Lower Upper

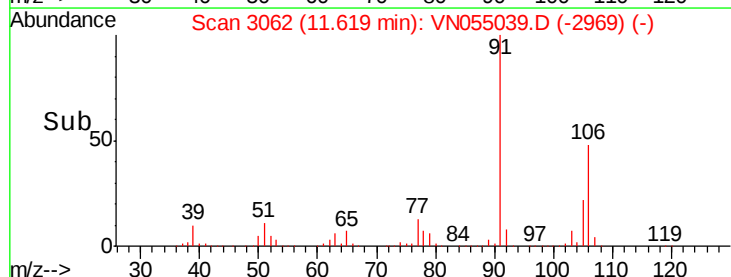
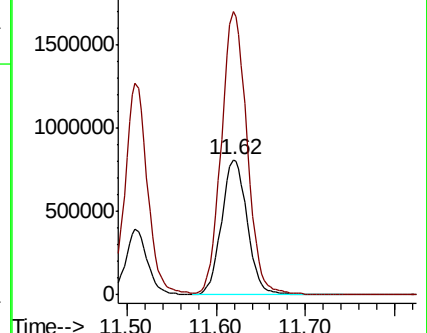
106 100

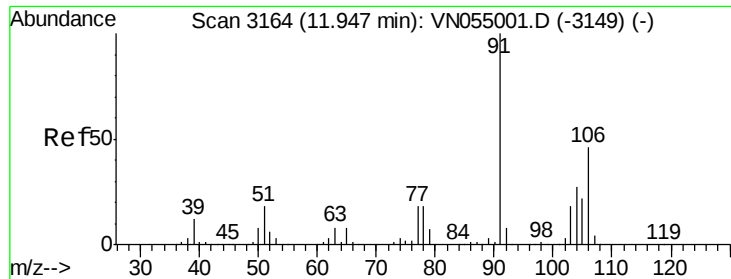
91 209.2 165.9 248.9



Abundance Ion 106.00 (105.70 to 106.70): VN055001.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN055001.D (-3047) (-)

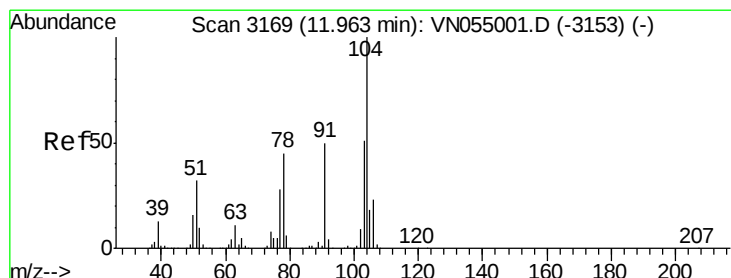
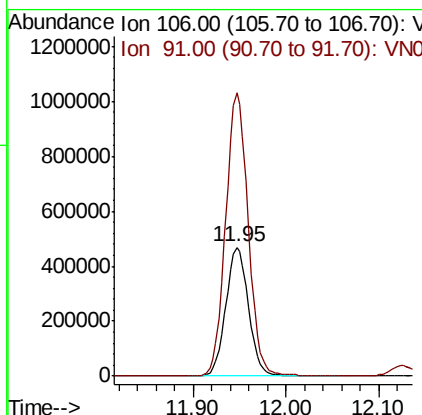
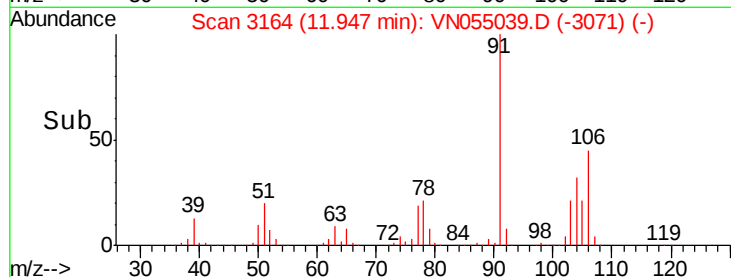
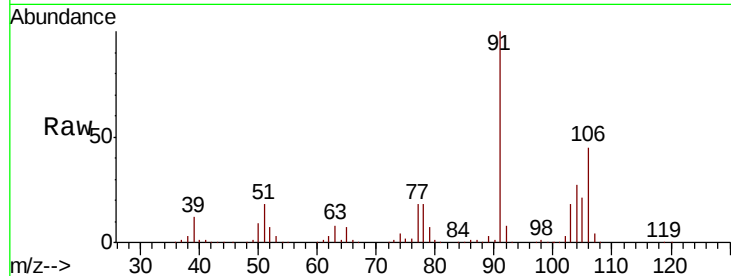




#69
o-Xylene
Concen: 100.728 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

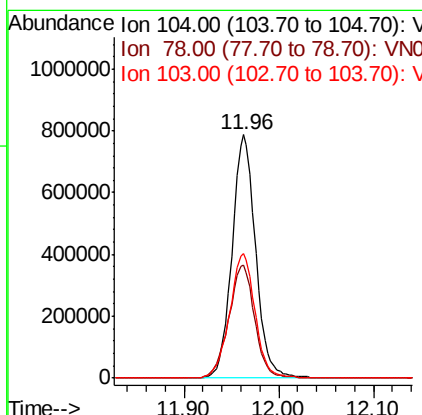
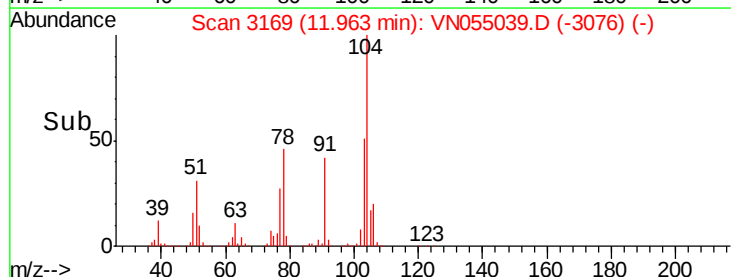
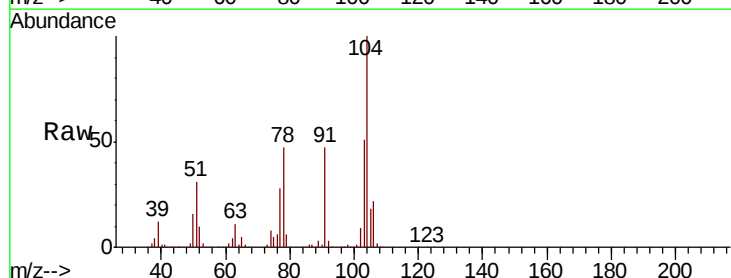
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

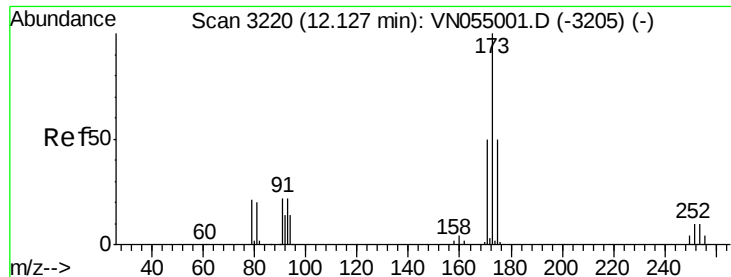
Tgt Ion:106 Resp: 795400
Ion Ratio Lower Upper
106 100
91 218.6 109.9 329.8



#70
Styrene
Concen: 108.531 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion:104 Resp: 1358869
Ion Ratio Lower Upper
104 100
78 51.3 40.3 60.5
103 55.4 44.3 66.5





#71

Bromoform

Concen: 116.365 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

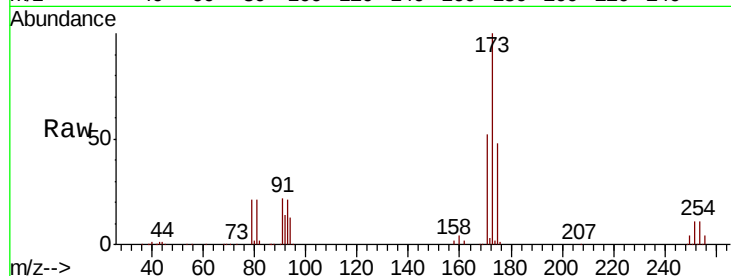
Tgt Ion:173 Resp: 307639

Ion Ratio Lower Upper

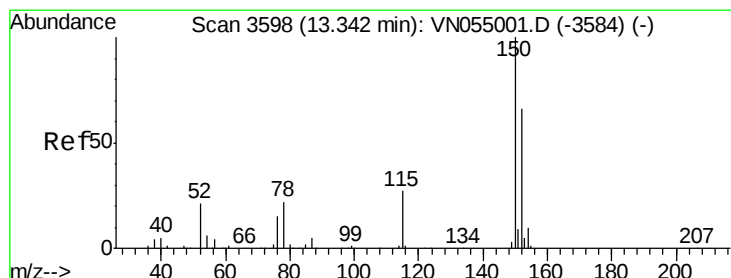
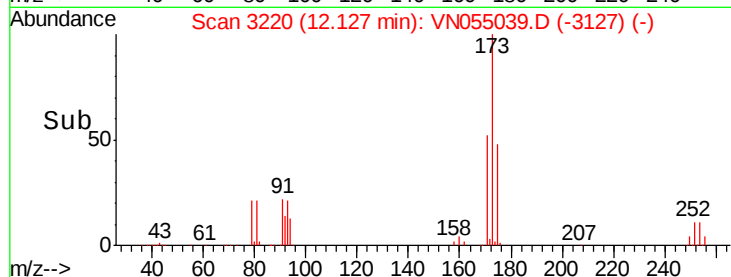
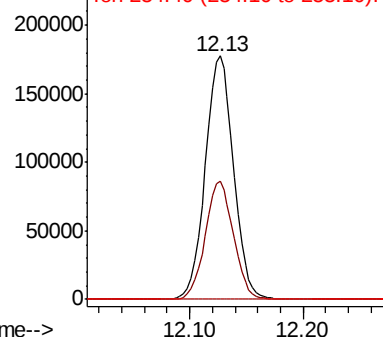
173 100

175 48.3 24.3 73.0

254 0.1 0.1 0.1



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

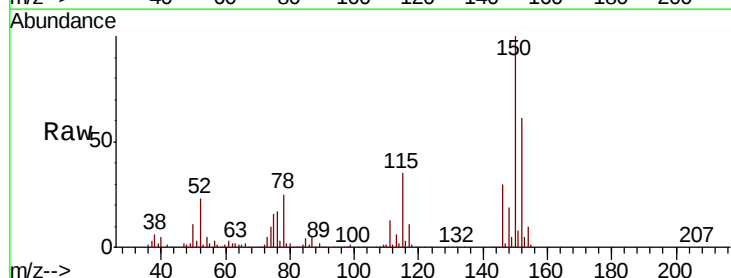
Tgt Ion:152 Resp: 276882

Ion Ratio Lower Upper

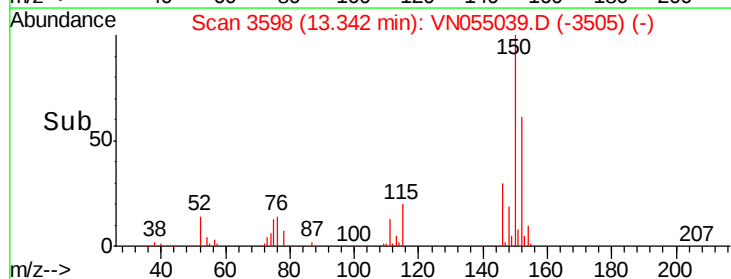
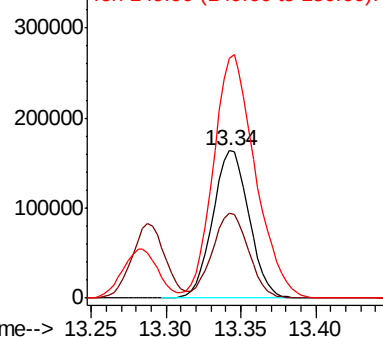
152 100

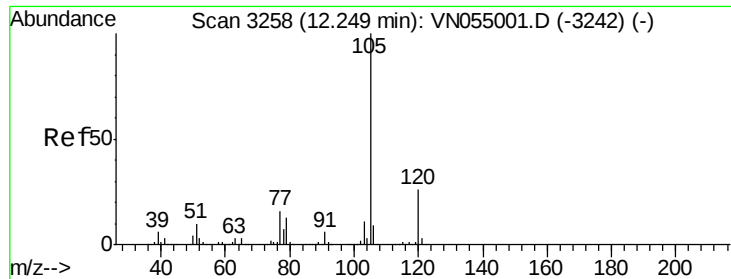
115 57.8 28.5 85.6

150 190.0 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 89.057 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

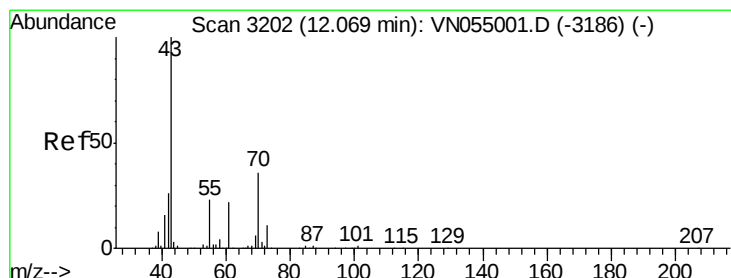
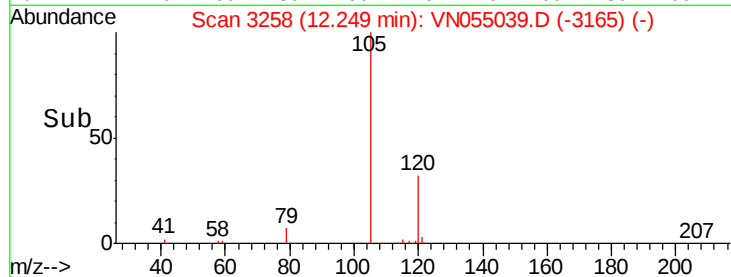
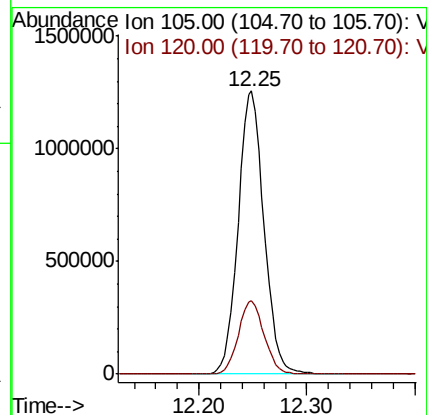
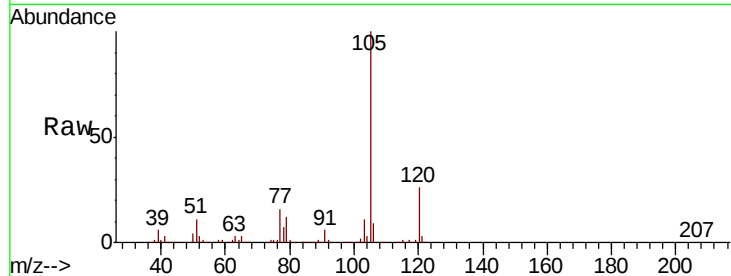
VSTDIC100

Tgt Ion:105 Resp: 2096533

Ion Ratio Lower Upper

105 100

120 26.0 13.3 39.9



#74

N-ethyl acetate

Concen: 100.627 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Tgt Ion: 43 Resp: 714022

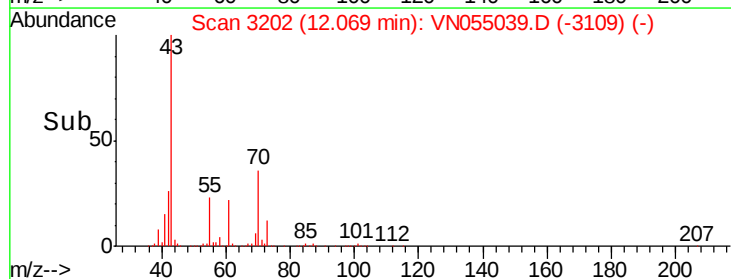
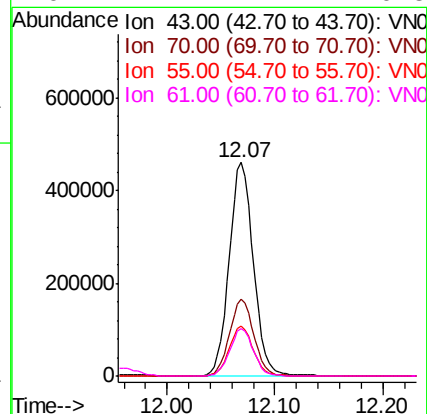
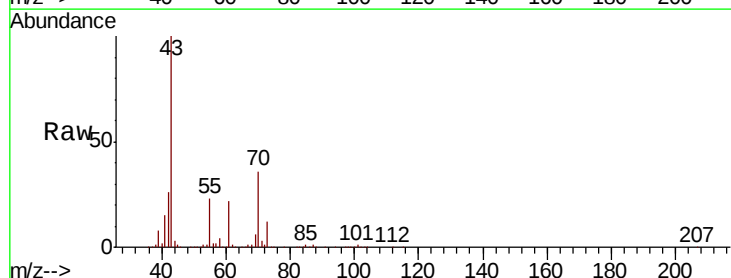
Ion Ratio Lower Upper

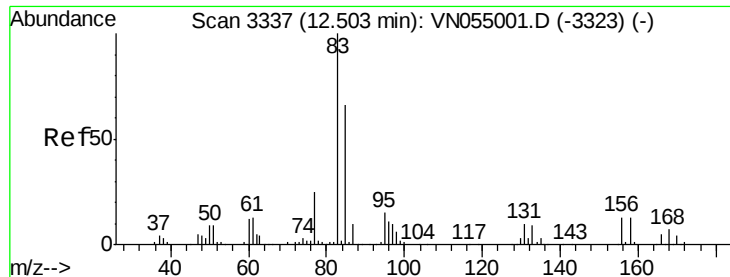
43 100

70 36.1 29.4 44.0

55 23.2 19.0 28.4

61 21.7 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 89.639 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

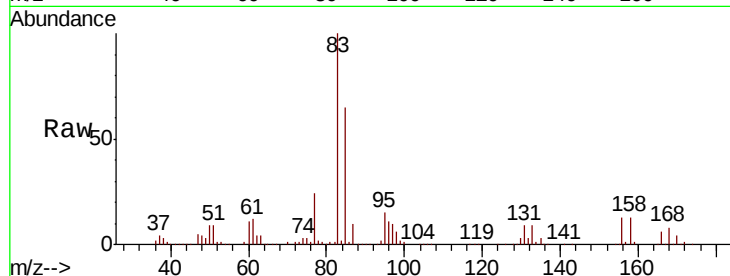
Tgt Ion: 83 Resp: 546347

Ion Ratio Lower Upper

83 100

131 9.9 5.0 15.0

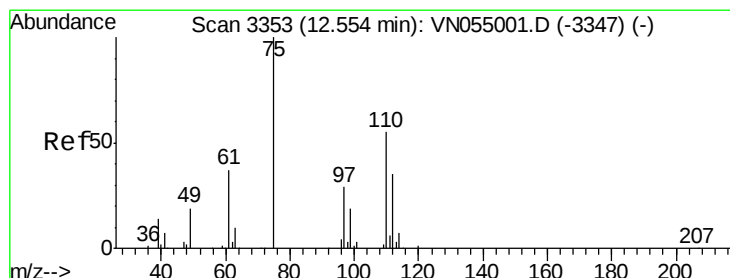
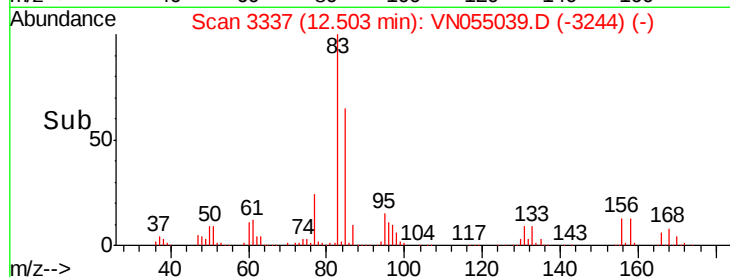
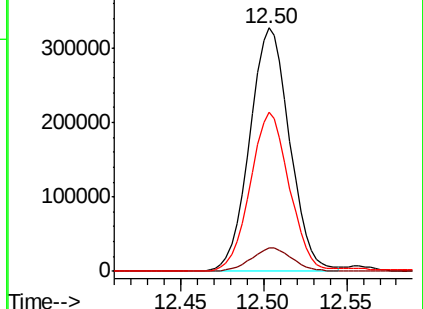
85 64.0 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN055039.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN055039.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN055039.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 130.211 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055039.D

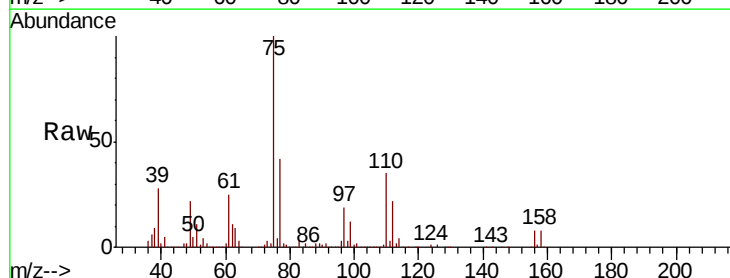
Acq: 15 Apr 2019 11:35

Tgt Ion: 75 Resp: 663288

Ion Ratio Lower Upper

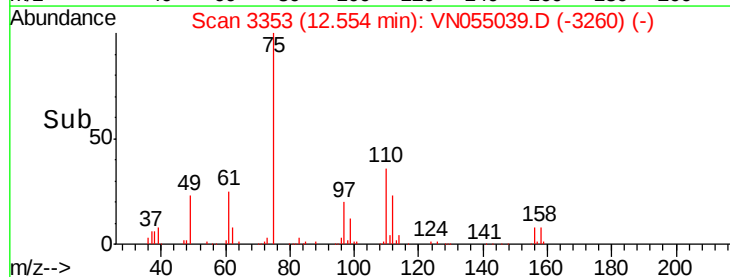
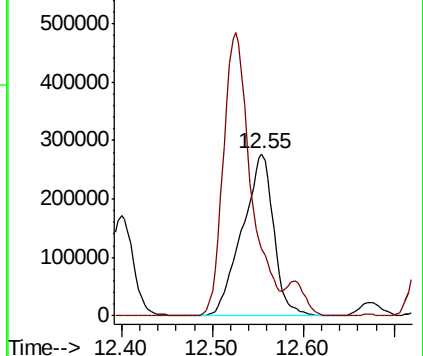
75 100

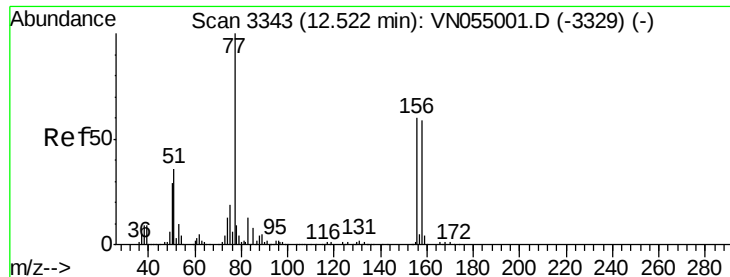
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055039.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055039.D (-3260) (-)





#77

Bromobenzene

Concen: 91.195 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

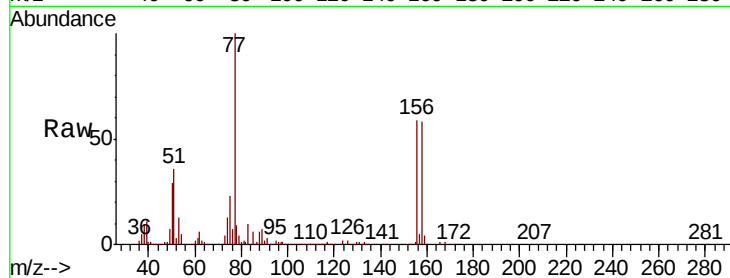
Tgt Ion:156 Resp: 527384

Ion Ratio Lower Upper

156 100

77 195.9 97.2 291.5

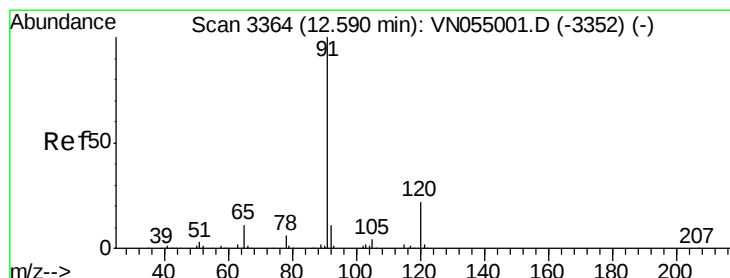
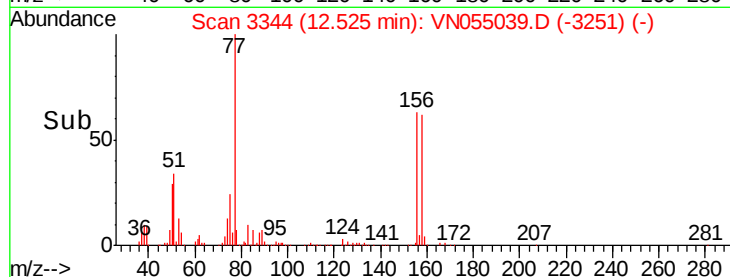
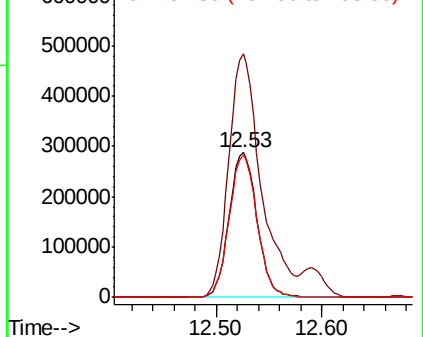
158 97.8 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 91.955 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055039.D

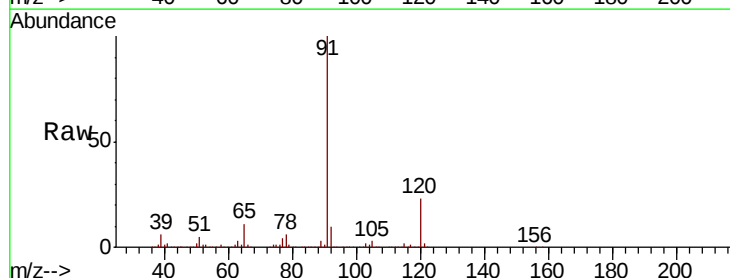
Acq: 15 Apr 2019 11:35

Tgt Ion: 91 Resp: 2358482

Ion Ratio Lower Upper

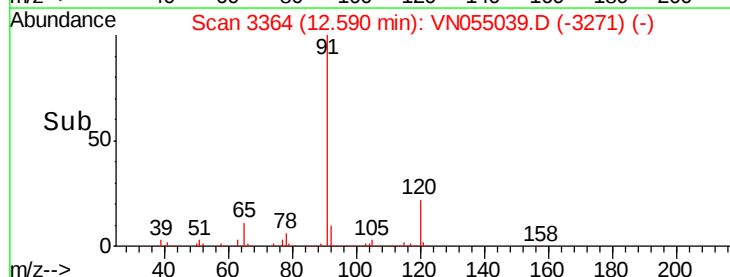
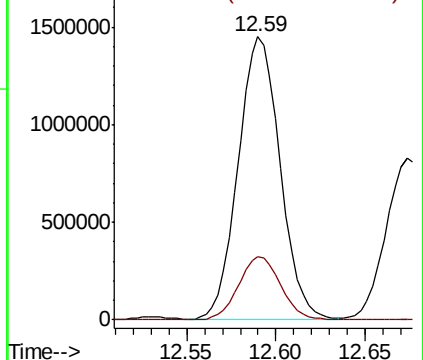
91 100

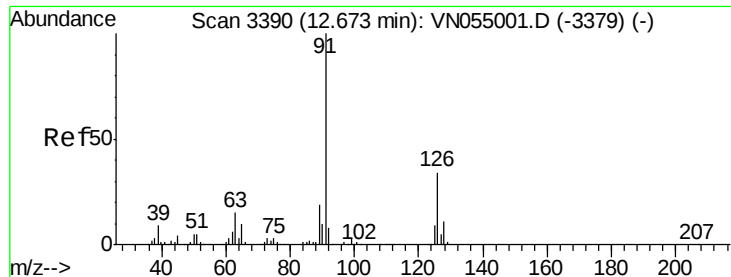
120 22.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 90.678 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampled :

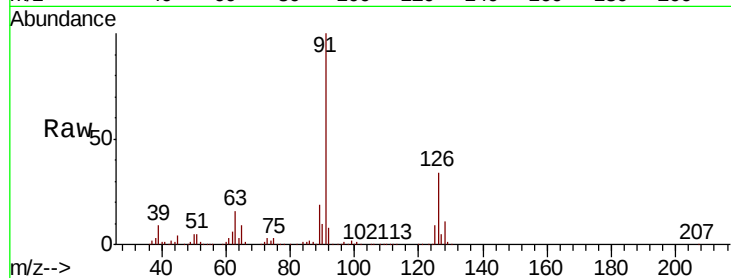
VSTDIC100

Tgt Ion: 91 Resp: 1436759

Ion Ratio Lower Upper

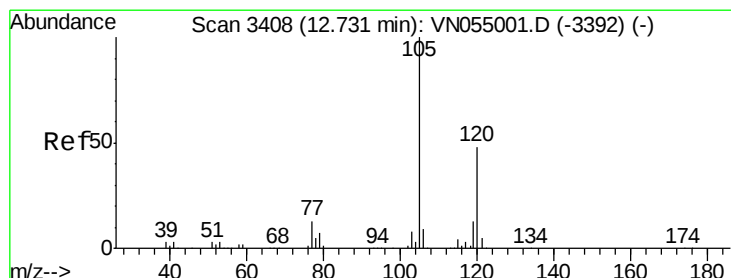
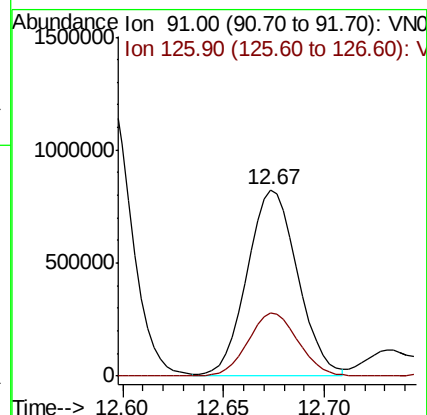
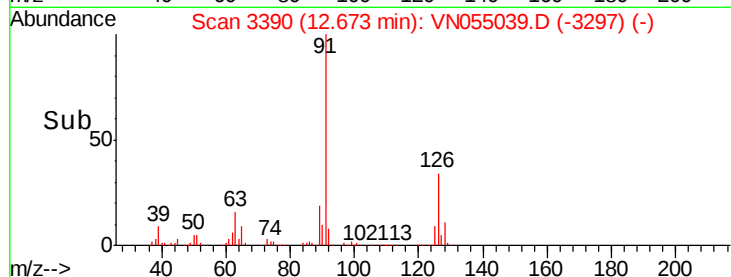
91 100

126 34.1 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VN055039.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN055039.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 90.717 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055039.D

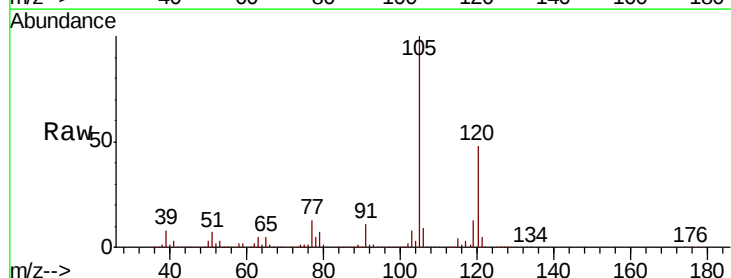
Acq: 15 Apr 2019 11:35

Tgt Ion: 105 Resp: 1738534

Ion Ratio Lower Upper

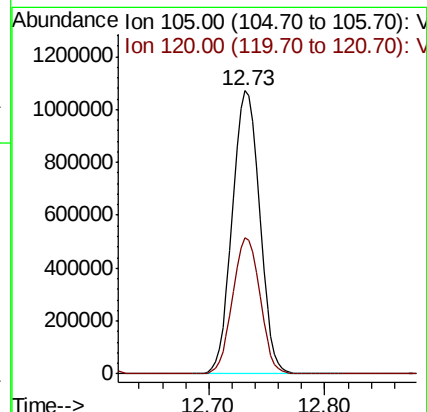
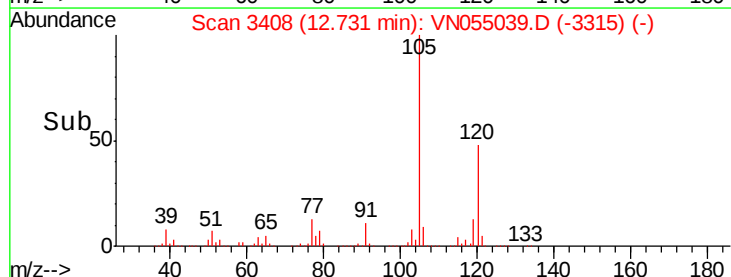
105 100

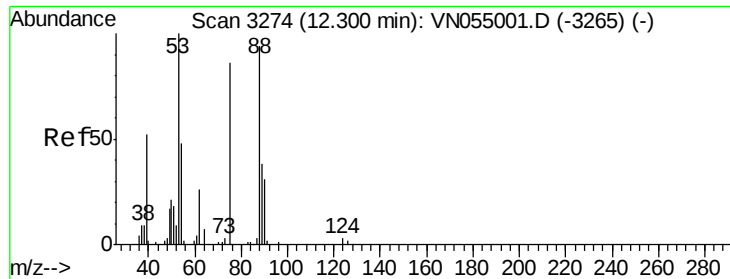
120 48.3 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN055039.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN055039.D (-3315) (-)

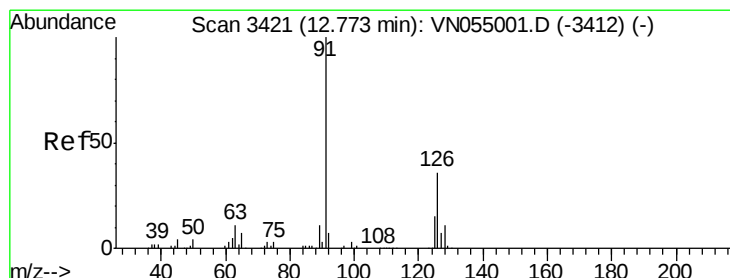
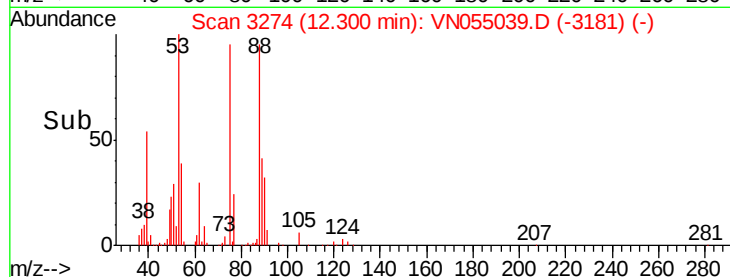
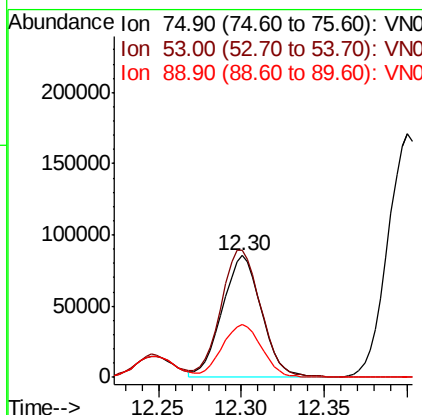
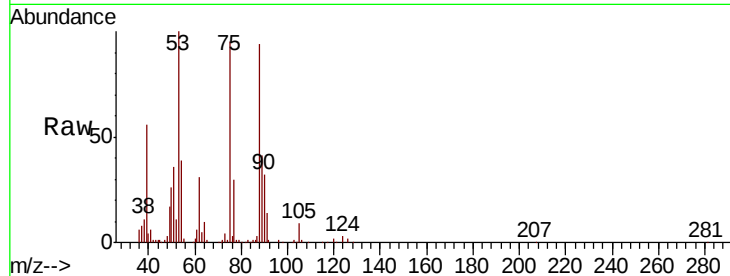




#81
trans-1,4-Dichloro-2-butene
Concen: 112.873 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

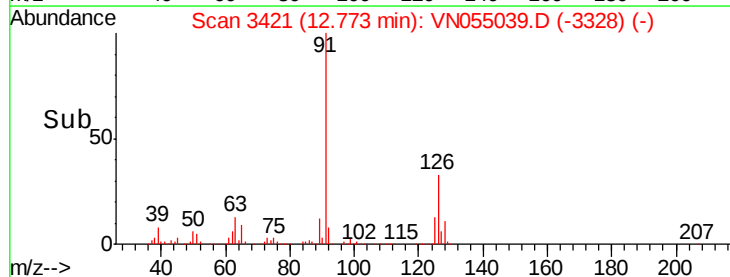
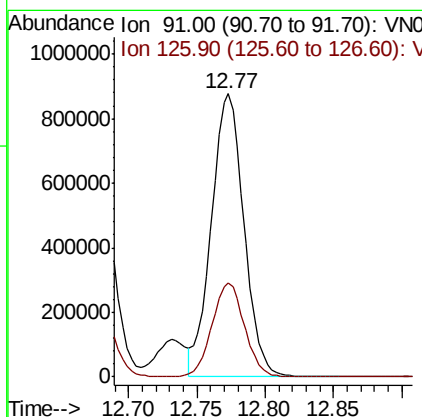
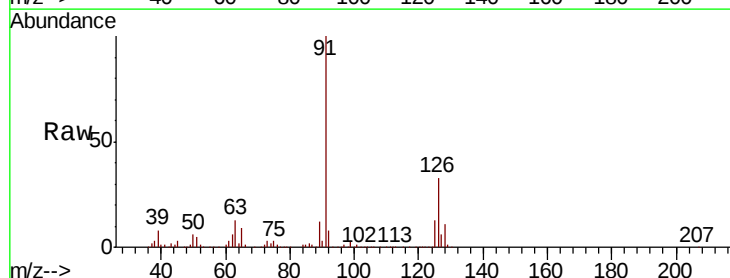
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

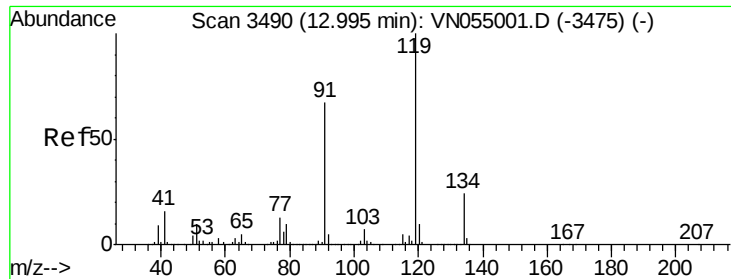
Tgt Ion: 75 Resp: 139303
Ion Ratio Lower Upper
75 100
53 108.1 96.3 144.5
89 44.9 38.6 57.8



#82
4-Chlorotoluene
Concen: 94.587 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion: 91 Resp: 1449399
Ion Ratio Lower Upper
91 100
126 33.2 16.4 49.2

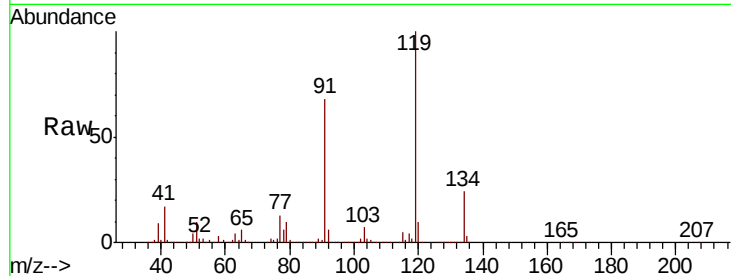




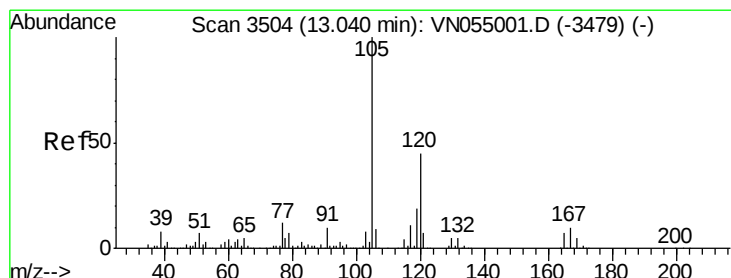
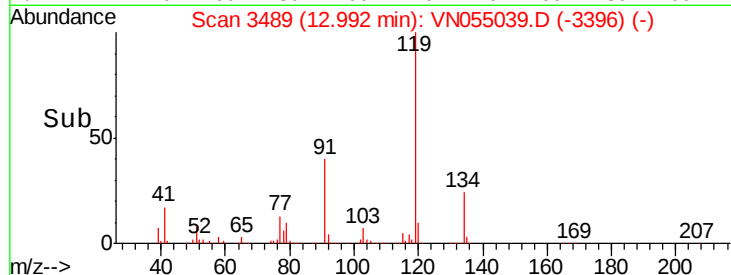
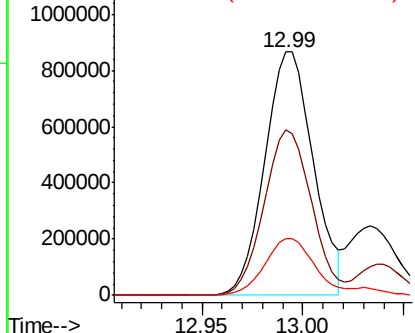
#83
 tert-Butylbenzene
 Concen: 88.172 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:119 Resp: 1447609
 Ion Ratio Lower Upper
 119 100
 91 66.6 33.3 99.8
 134 24.0 12.3 36.9

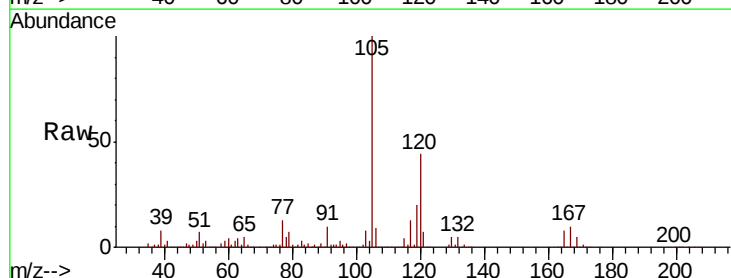


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

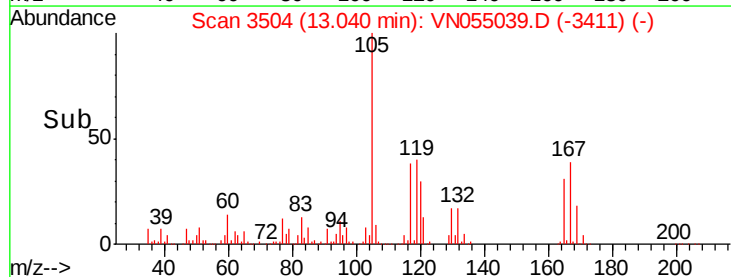
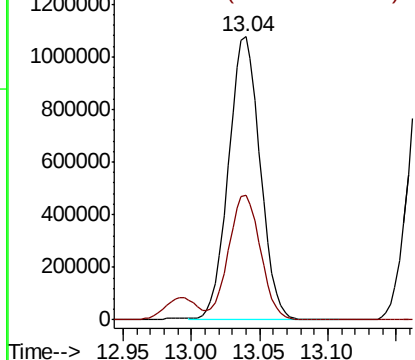


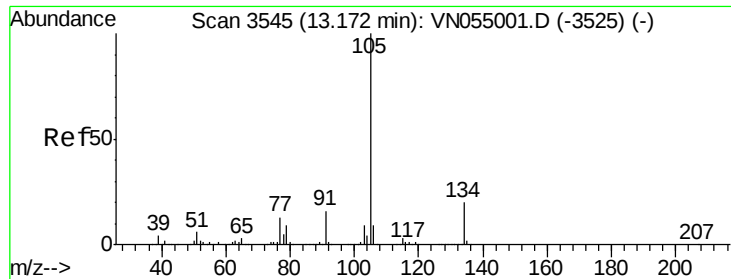
#84
 1,2,4-Trimethylbenzene
 Concen: 94.409 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Tgt Ion:105 Resp: 1734874
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

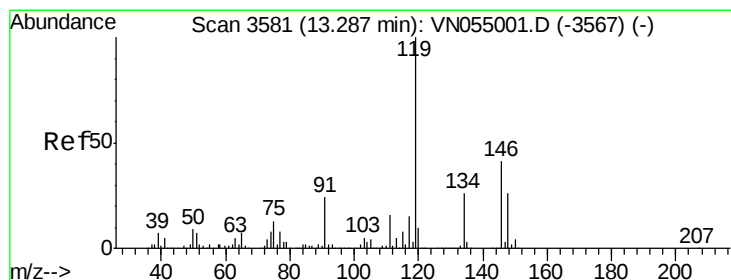
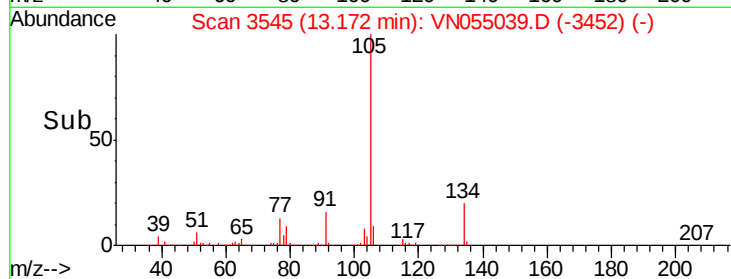
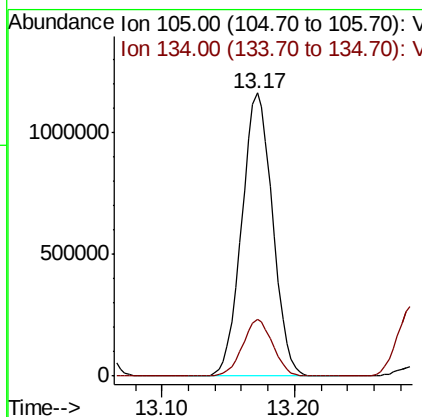
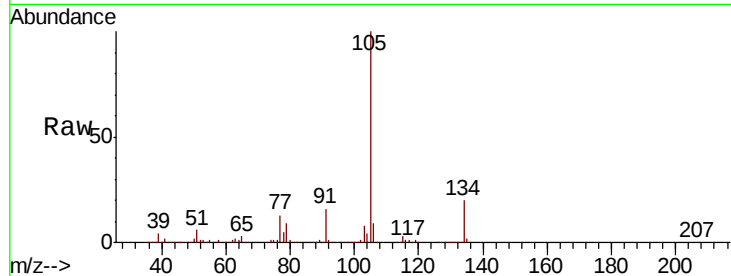




#85
 sec-Butylbenzene
 Concen: 89.313 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

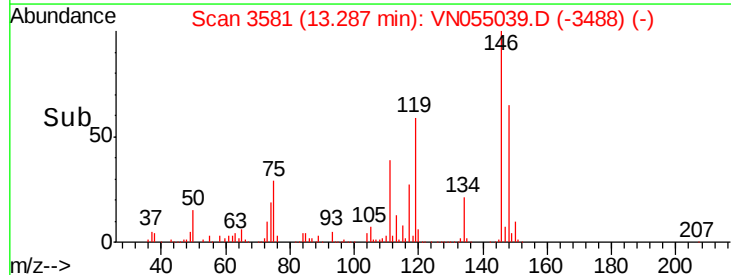
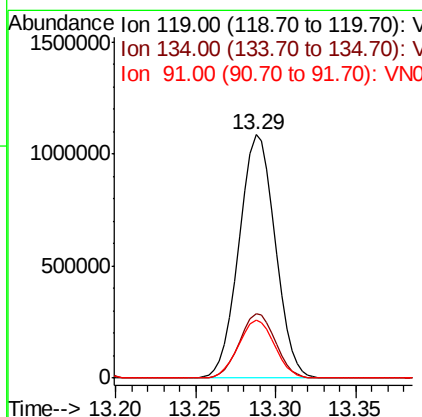
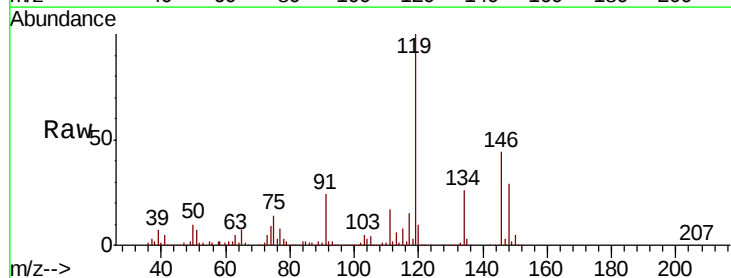
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

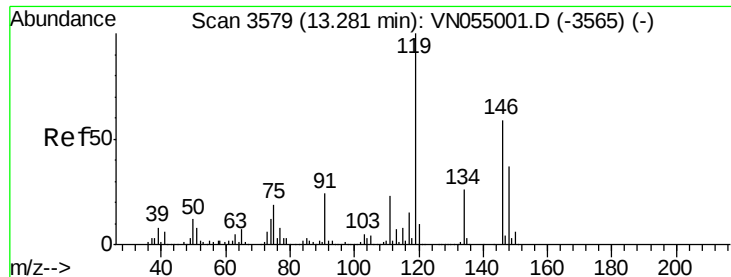
Tgt Ion:105 Resp: 1872176
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 91.502 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Tgt Ion:119 Resp: 1668366
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.2 39.5
 91 23.8 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 95.101 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

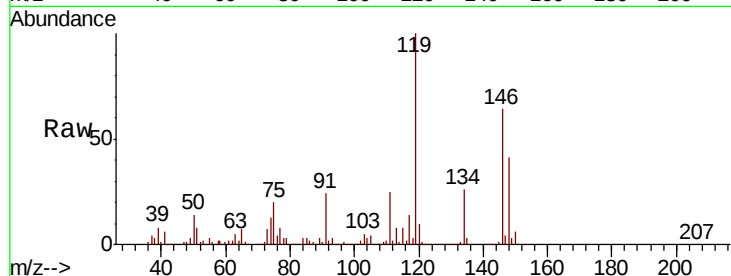
Tgt Ion:146 Resp: 894381

Ion Ratio Lower Upper

146 100

111 39.3 19.5 58.5

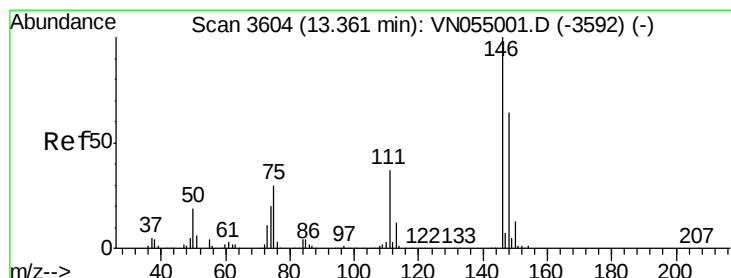
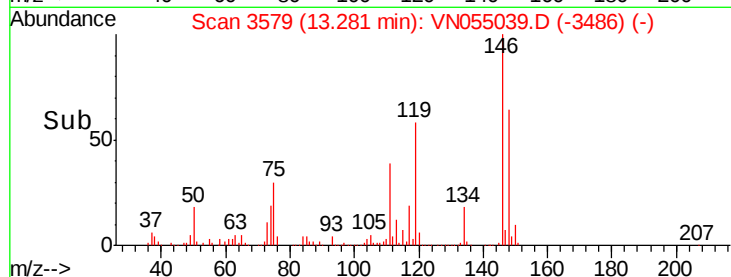
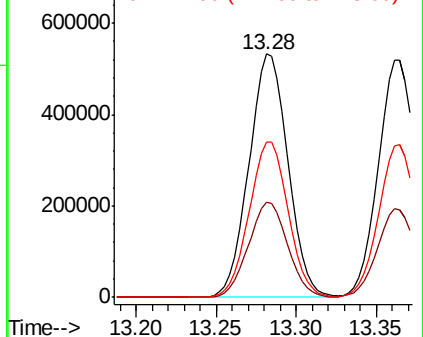
148 63.9 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 97.010 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

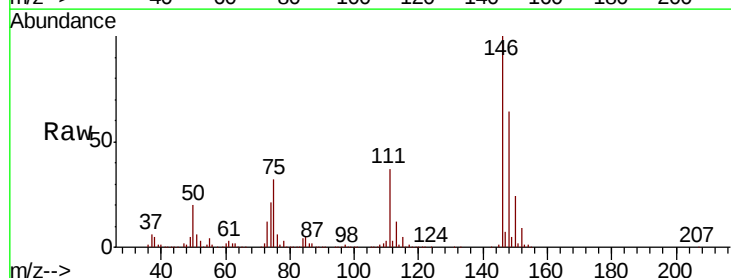
Tgt Ion:146 Resp: 872577

Ion Ratio Lower Upper

146 100

111 37.4 18.8 56.4

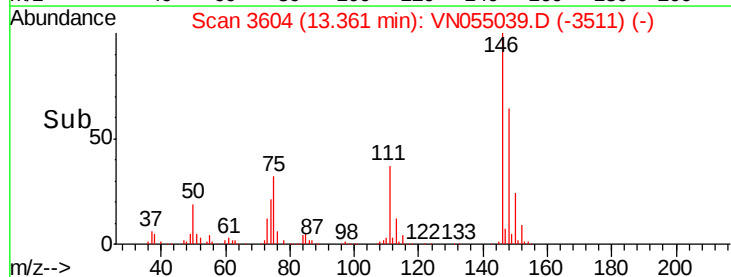
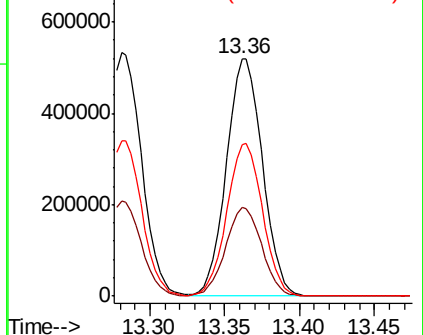
148 63.7 32.4 97.2

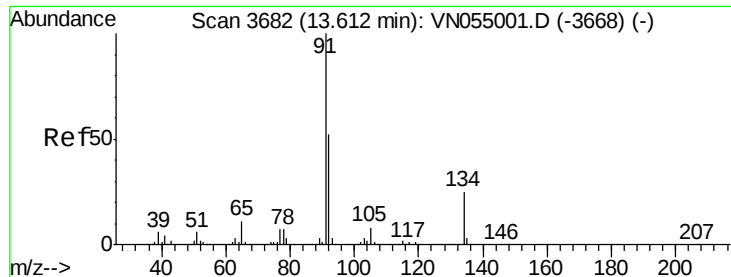


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 98.812 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

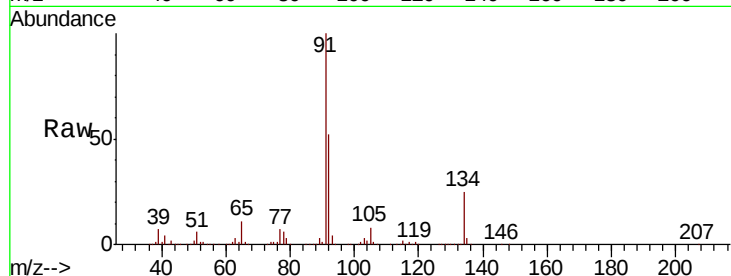
Tgt Ion: 91 Resp: 1414983

Ion Ratio Lower Upper

91 100

92 52.3 25.9 77.7

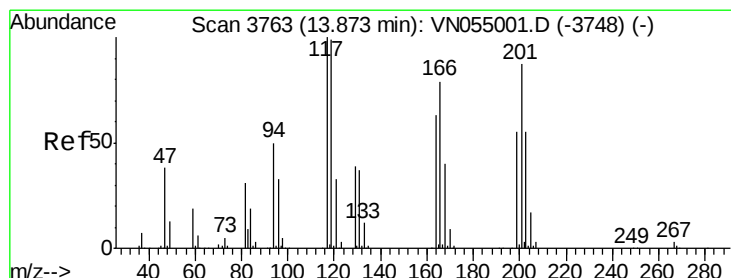
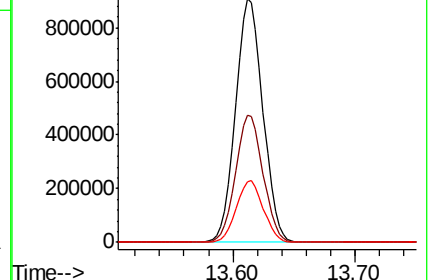
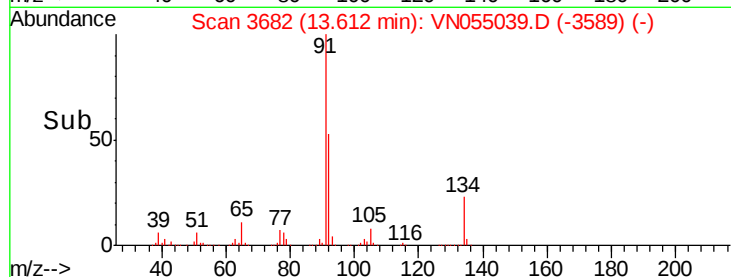
134 25.1 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN055001.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055001.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055001.D (-3668) (-)



#90

Hexachloroethane

Concen: 91.806 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055039.D

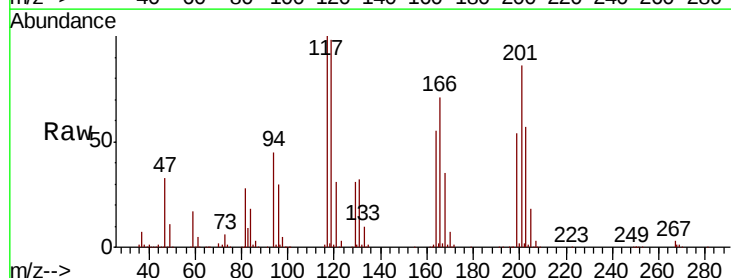
Acq: 15 Apr 2019 11:35

Tgt Ion: 117 Resp: 276598

Ion Ratio Lower Upper

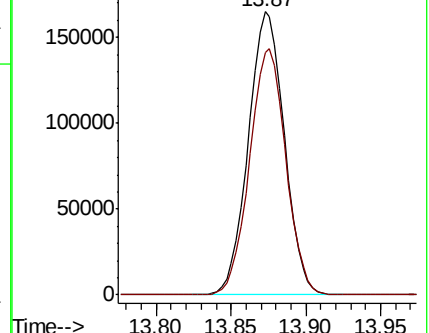
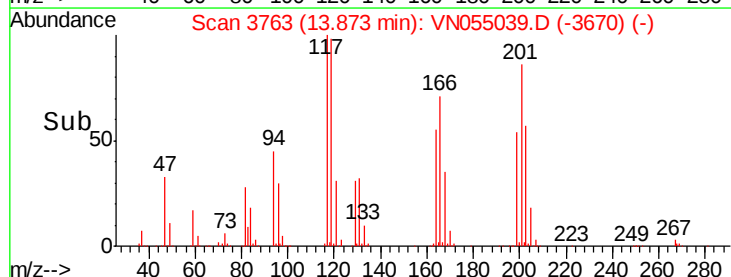
117 100

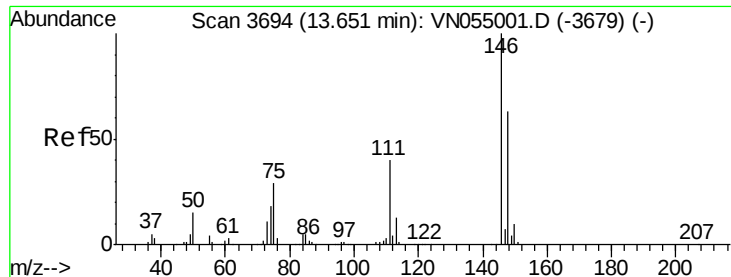
201 87.2 43.4 130.2



Abundance Ion 116.80 (116.50 to 117.50): VN055001.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN055001.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 94.976 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

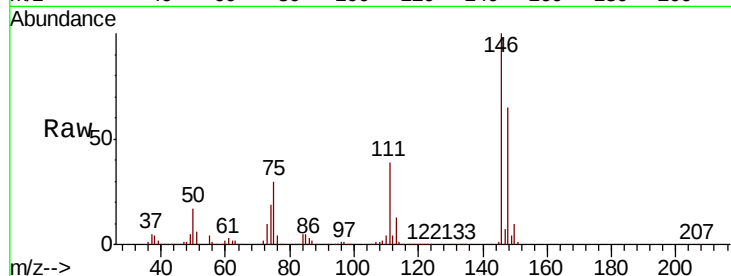
Tgt Ion:146 Resp: 867117

Ion Ratio Lower Upper

146 100

111 40.1 20.3 60.9

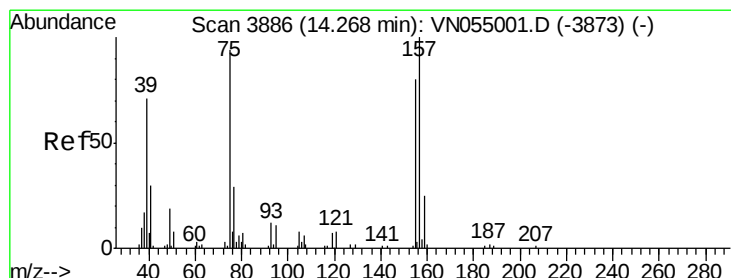
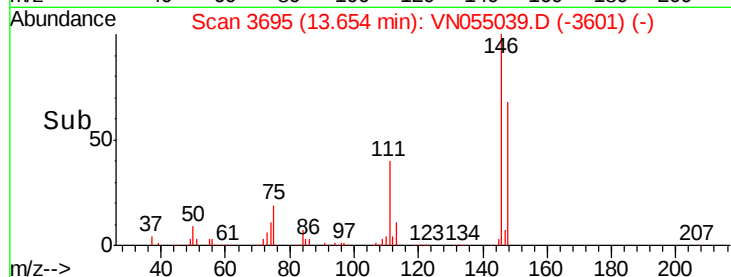
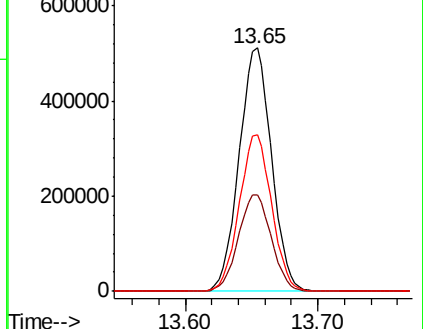
148 64.2 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 103.952 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

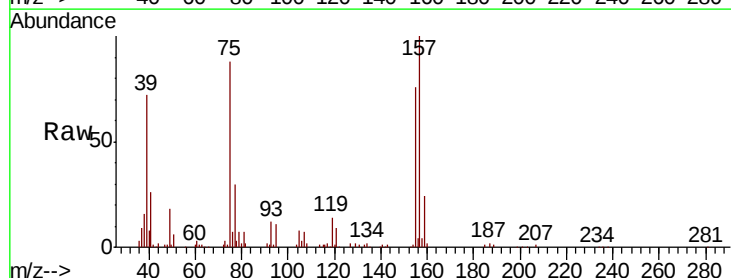
Tgt Ion: 75 Resp: 82386

Ion Ratio Lower Upper

75 100

155 85.8 42.0 126.0

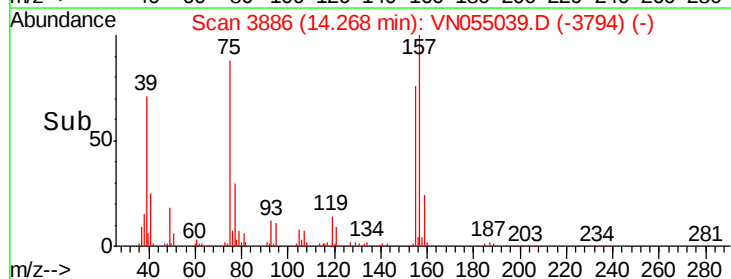
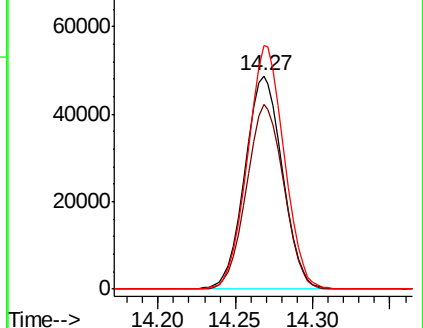
157 111.4 52.1 156.4

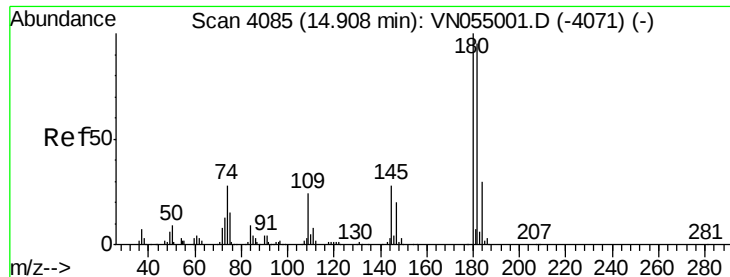


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

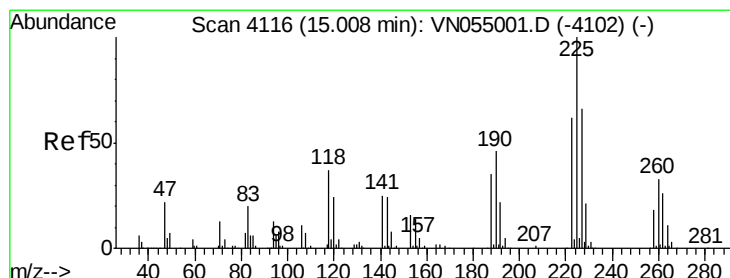
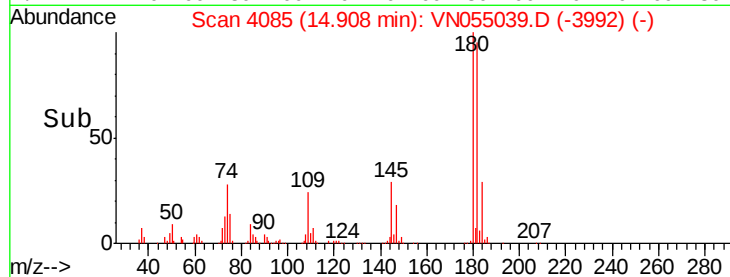
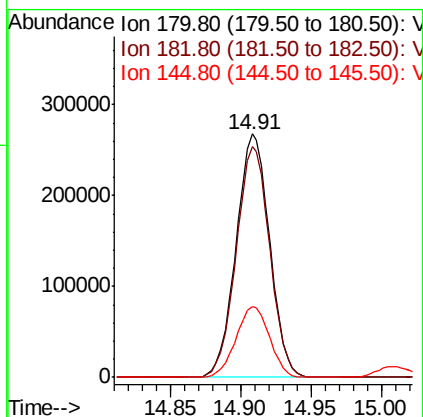
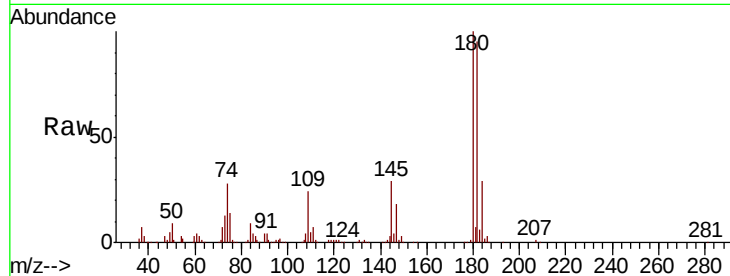




#93
 1,2,4-Trichlorobenzene
 Concen: 115.576 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

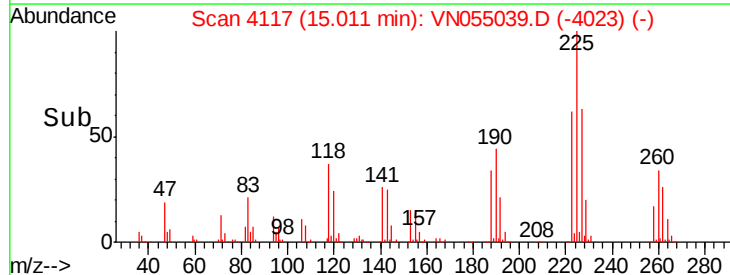
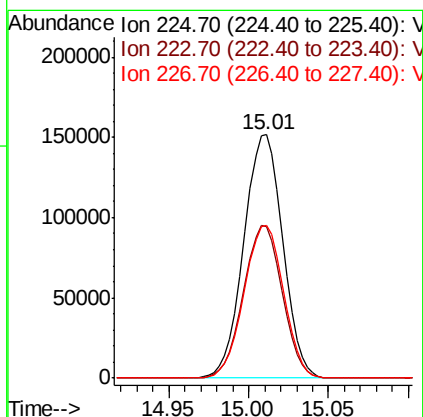
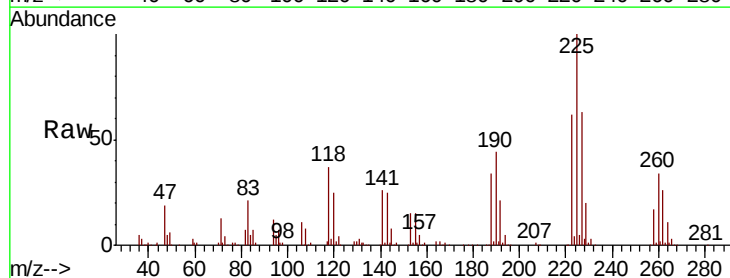
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

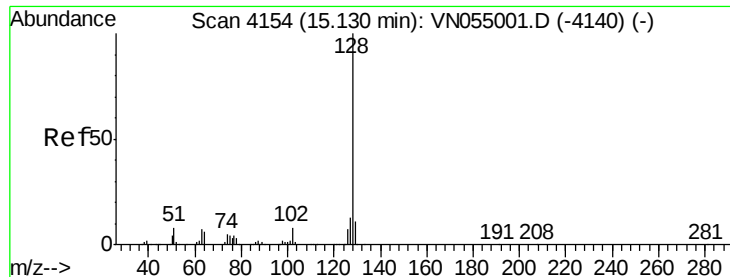
Tgt Ion:180 Resp: 444339
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.5 142.6
 145 29.4 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 79.124 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Tgt Ion:225 Resp: 251769
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.4 94.0
 227 63.6 32.6 97.7





#95

Naphthalene

Concen: 116.623 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

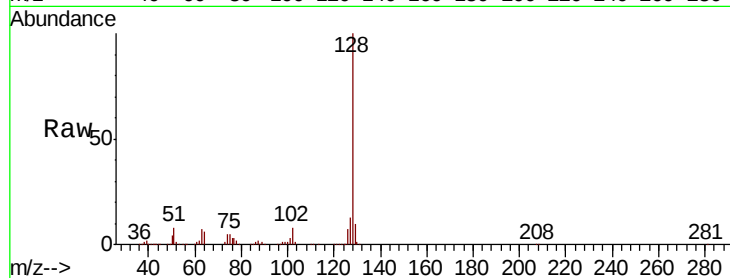
Tgt Ion:128 Resp: 1049398

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

129 10.5 8.8 13.2

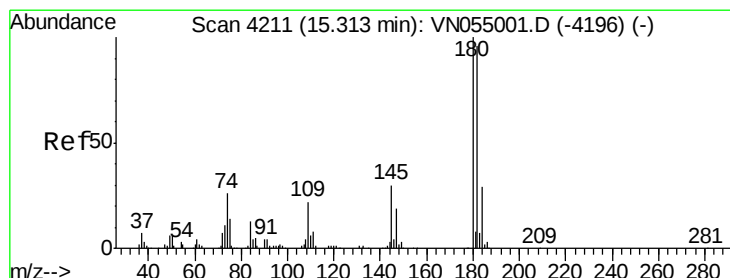
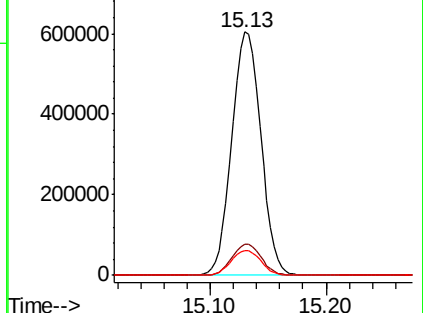
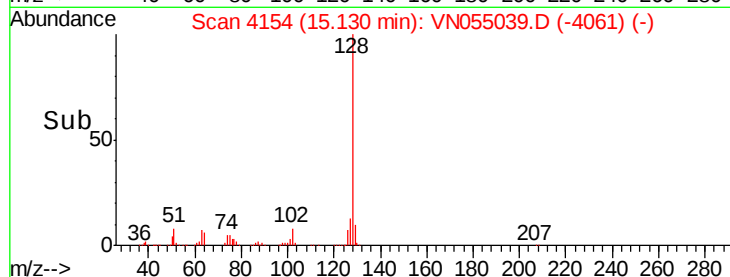


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 104.816 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

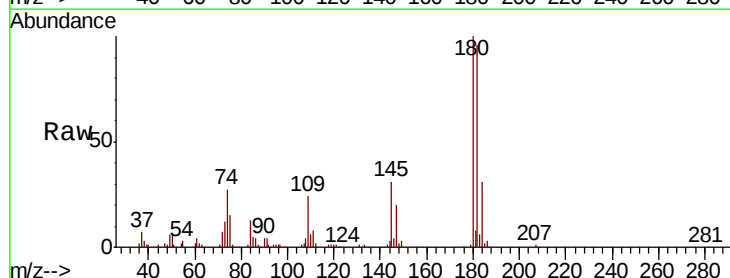
Tgt Ion:180 Resp: 431674

Ion Ratio Lower Upper

180 100

182 95.5 48.0 144.0

145 30.3 15.3 45.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

