

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN041519\
 Data File : VN055037.D
 Acq On : 15 Apr 2019 10:42
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 15 11:59:56 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	406380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	664667	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	573703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	228363	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	114117	22.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.76%	
35) Dibromofluoromethane	7.59	113	90154	21.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.56%	
50) Toluene-d8	10.09	98	324202	20.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.66%	
62) 4-Bromofluorobenzene	12.40	95	104751	19.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.96%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	95133	21.223 ug/l	99
3) Chloromethane	2.06	50	121775	20.258 ug/l	98
4) Vinyl Chloride	2.19	62	100051	20.512 ug/l	100
5) Bromomethane	2.56	94	56529	20.020 ug/l	97
6) Chloroethane	2.70	64	55274	20.548 ug/l	93
7) Trichlorofluoromethane	3.02	101	127062	20.767 ug/l	99
8) Diethyl Ether	3.41	74	40978	21.296 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	66522	20.845 ug/l	99
10) Methyl Iodide	3.94	142	118611	25.771 ug/l	96
11) Tert butyl alcohol	4.82	59	29374	93.603 ug/l	# 90
12) 1,1-Dichloroethene	3.73	96	61685	19.633 ug/l	95
13) Acrolein	3.61	56	35932	94.860 ug/l	98
14) Allyl chloride	4.32	41	157398	20.503 ug/l	99
15) Acrylonitrile	5.00	53	183233	105.862 ug/l	99
16) Acetone	3.82	43	148032	105.663 ug/l	99
17) Carbon Disulfide	4.04	76	201429	19.683 ug/l	97
18) Methyl Acetate	4.33	43	86178	19.844 ug/l	98
19) Methyl tert-butyl Ether	5.05	73	236952	21.107 ug/l	99
20) Methylene Chloride	4.54	84	99192	19.321 ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	85628	20.688 ug/l	93
22) Diisopropyl ether	5.96	45	331418	21.292 ug/l	97
23) Vinyl Acetate	5.90	43	1133161	104.086 ug/l	100
24) 1,1-Dichloroethane	5.85	63	175646	20.894 ug/l	99
25) 2-Butanone	6.85	43	232395	107.704 ug/l	99
26) 2,2-Dichloropropane	6.82	77	111982	20.134 ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	101061	21.018 ug/l	98
28) Bromochloromethane	7.19	49	88485	22.185 ug/l	99
29) Tetrahydrofuran	7.22	42	149820	105.919 ug/l	99
30) Chloroform	7.37	83	169292	21.118 ug/l	99
31) Cyclohexane	7.65	56	162381	17.553 ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	133634	20.925 ug/l	98
36) 1,1-Dichloropropene	7.79	75	121878	19.841 ug/l	99
37) Ethyl Acetate	6.94	43	97783	21.204 ug/l	99
38) Carbon Tetrachloride	7.77	117	112202	19.405 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	131047	18.634	ug/l	99
40) Benzene	8.04	78	372163	20.039	ug/l	97
41) Methacrylonitrile	7.18	41	59471	20.958	ug/l	96
42) 1,2-Dichloroethane	8.12	62	132883	20.339	ug/l	99
43) Isopropyl Acetate	8.17	43	157741	20.004	ug/l	99
44) Trichloroethene	8.83	130	94724	19.958	ug/l	99
45) 1,2-Dichloropropane	9.12	63	106494	20.320	ug/l	98
46) Dibromomethane	9.21	93	60386	20.108	ug/l	95
47) Bromodichloromethane	9.40	83	122008	19.979	ug/l	99
48) Methyl methacrylate	9.20	41	77813	19.156	ug/l	99
49) 1,4-Dioxane	9.21	88	14499	331.894	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	465758	100.877	ug/l	99
52) Toluene	10.16	92	220501	20.075	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	106194	19.204	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	135303	19.863	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	82422	20.144	ug/l	98
56) Ethyl methacrylate	10.43	69	97764	18.569	ug/l	96
57) 1,3-Dichloropropane	10.71	76	144317	20.446	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	187760	91.144	ug/l	100
59) 2-Hexanone	10.75	43	292406	101.347	ug/l	99
60) Dibromochloromethane	10.90	129	83494	20.501	ug/l	99
61) 1,2-Dibromoethane	11.01	107	77373	19.751	ug/l	97
64) Tetrachloroethene	10.63	164	89878	20.028	ug/l	96
65) Chlorobenzene	11.43	112	230084	20.799	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	84713	20.780	ug/l	99
67) Ethyl Benzene	11.51	91	410897	20.222	ug/l	100
68) m/p-Xylenes	11.62	106	305479	41.091	ug/l	98
69) o-Xylene	11.95	106	150994	20.528	ug/l	98
70) Styrene	11.96	104	241156	20.677	ug/l	99
71) Bromoform	12.13	173	49965	20.289	ug/l #	97
73) Isopropylbenzene	12.25	105	389154	20.043	ug/l	99
74) N-amyl acetate	12.07	43	111697	19.086	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	103795	20.648	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	118817	28.281	ug/l #	100
77) Bromobenzene	12.53	156	94604	19.835	ug/l	100
78) n-propylbenzene	12.59	91	428259	20.245	ug/l	100
79) 2-Chlorotoluene	12.67	91	262875	20.116	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	321884	20.364	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	19756	19.409	ug/l	95
82) 4-Chlorotoluene	12.77	91	251205	19.876	ug/l	99
83) tert-Butylbenzene	12.99	119	266570	19.686	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	309959	20.451	ug/l	100
85) sec-Butylbenzene	13.17	105	340176	19.676	ug/l	100
86) p-Isopropyltoluene	13.29	119	295317	19.638	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	152240	19.627	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	142797	19.249	ug/l	98
89) n-Butylbenzene	13.61	91	217673	18.430	ug/l	100
90) Hexachloroethane	13.87	117	44801	18.029	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	156726	20.814	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13646	20.876	ug/l	97

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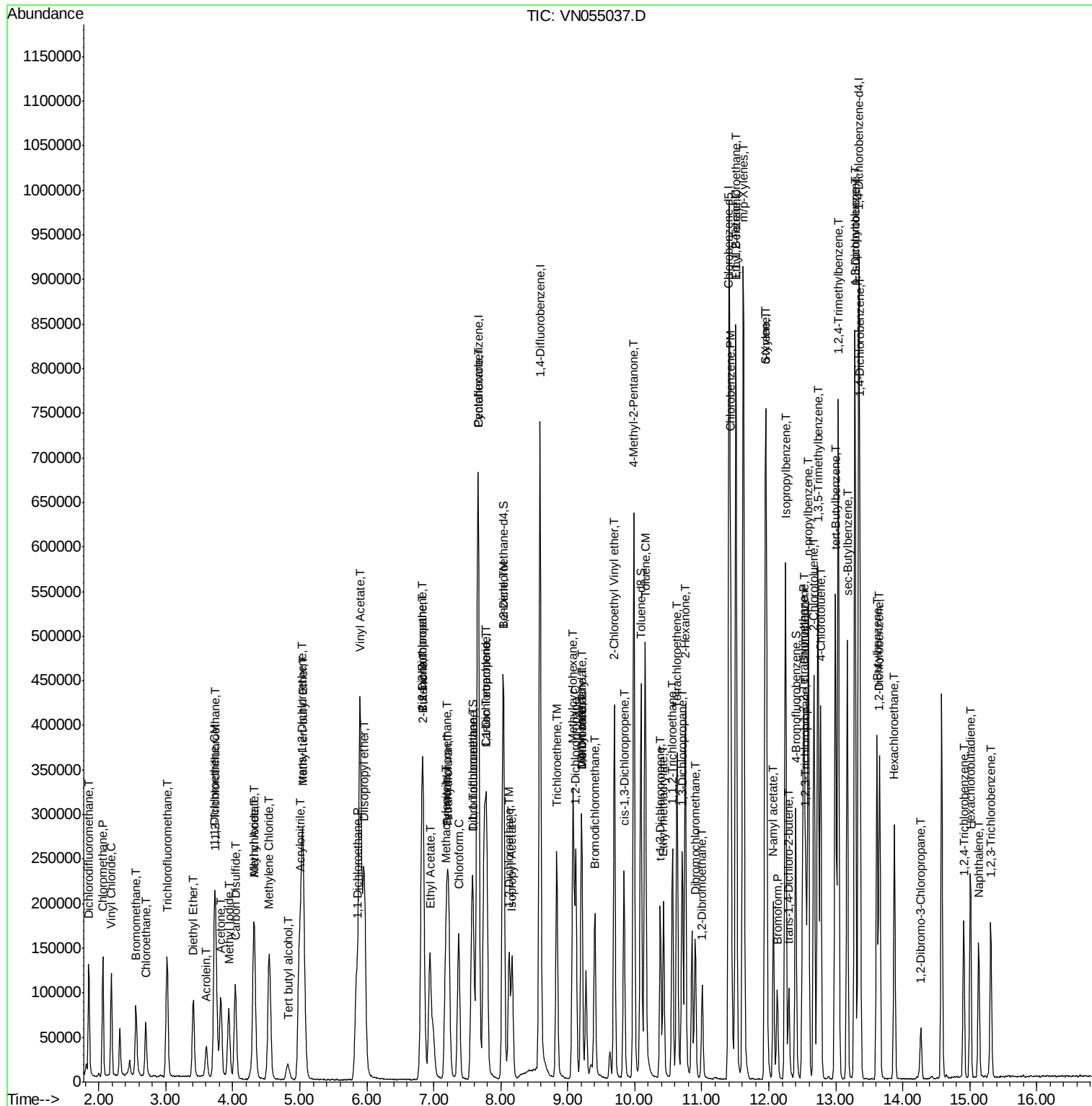
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56105	17.694	ug/l	97
94) Hexachlorobutadiene	15.01	225	46736	17.809	ug/l	98
95) Naphthalene	15.13	128	129511	17.451	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	59393	17.485	ug/l	99

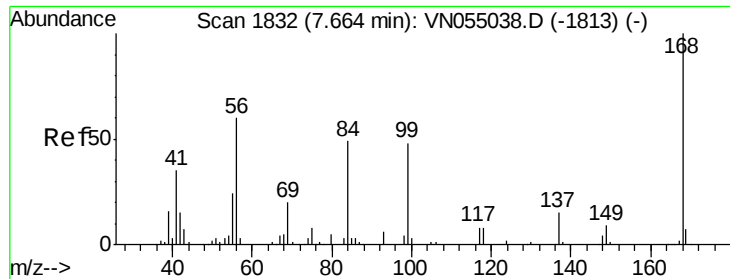
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

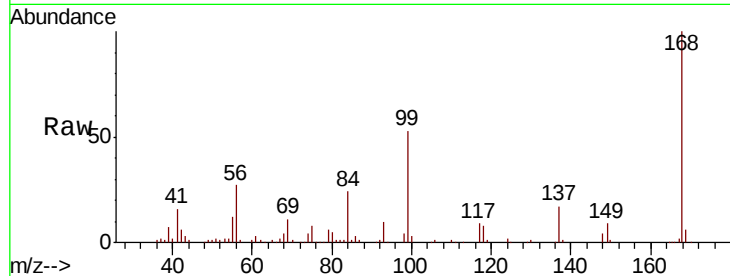
VSTDIC020

Tgt Ion:168 Resp: 406380

Ion Ratio Lower Upper

168 100

99 51.6 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

150000

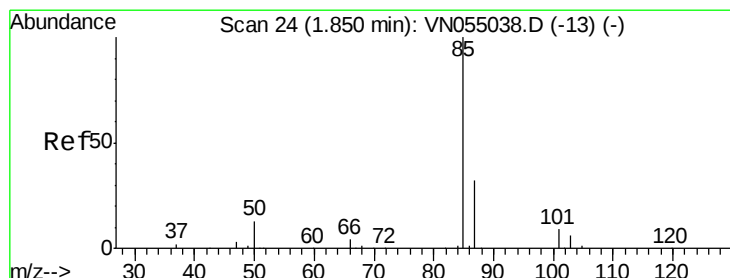
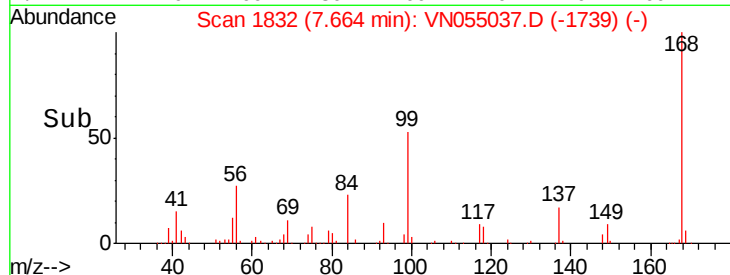
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 21.223 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055037.D

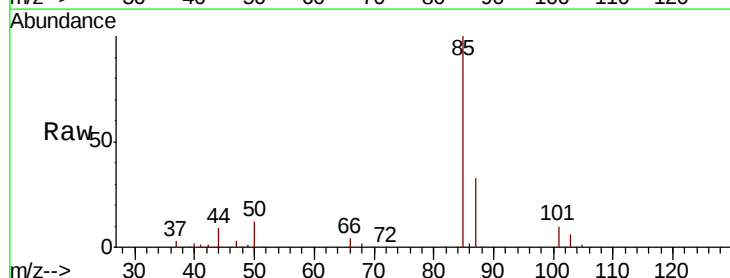
Acq: 15 Apr 2019 10:42

Tgt Ion: 85 Resp: 95133

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

80000

60000

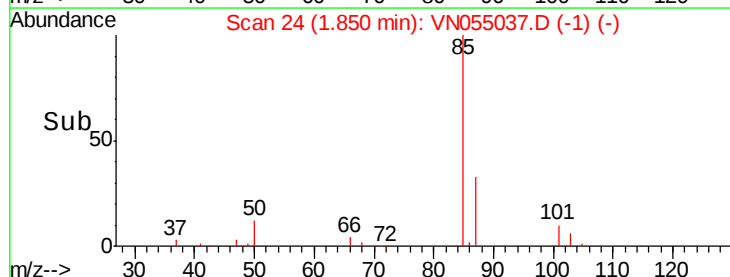
40000

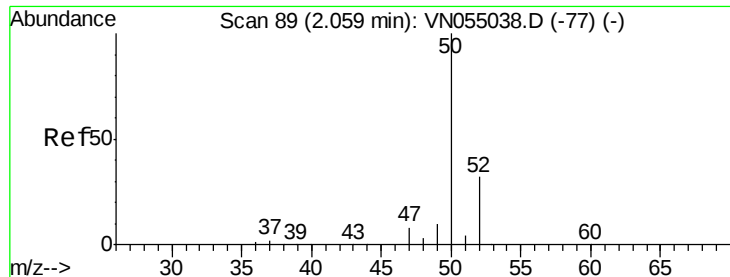
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.258 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

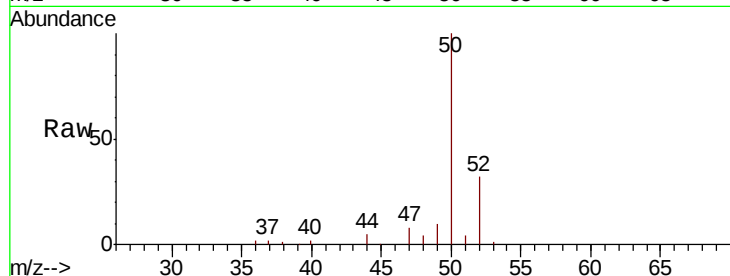
VSTDIC020

Tgt Ion: 50 Resp: 121775

Ion Ratio Lower Upper

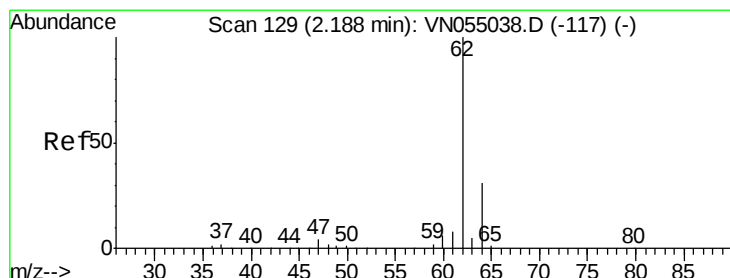
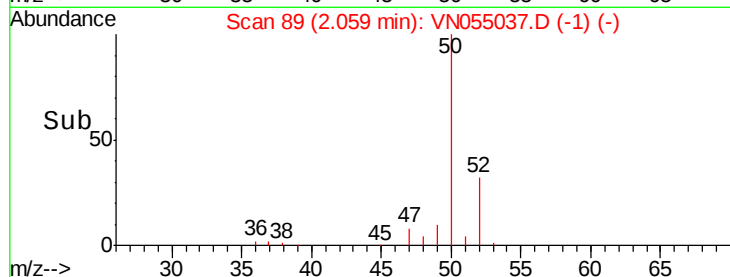
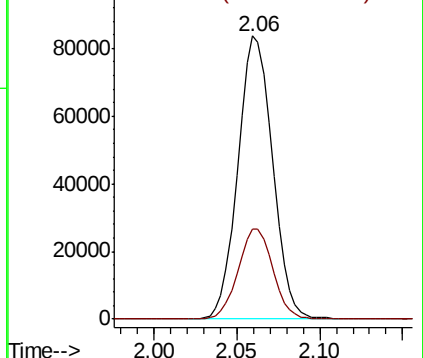
50 100

52 31.9 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN055037.D (-77) (-)

Ion 51.90 (51.60 to 52.60): VN055037.D (-77) (-)



#4

Vinyl Chloride

Concen: 20.512 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055037.D

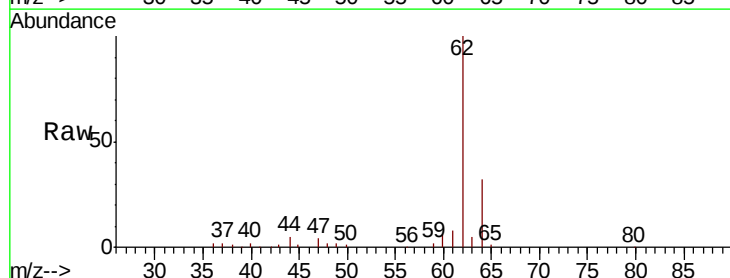
Acq: 15 Apr 2019 10:42

Tgt Ion: 62 Resp: 100051

Ion Ratio Lower Upper

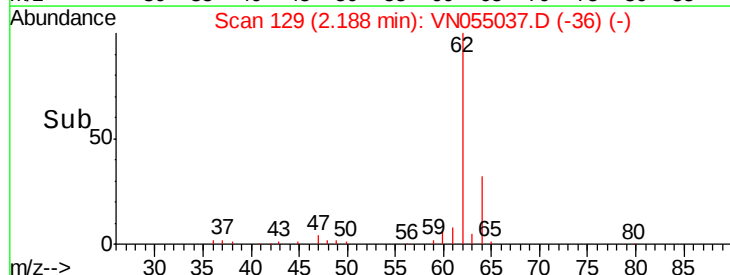
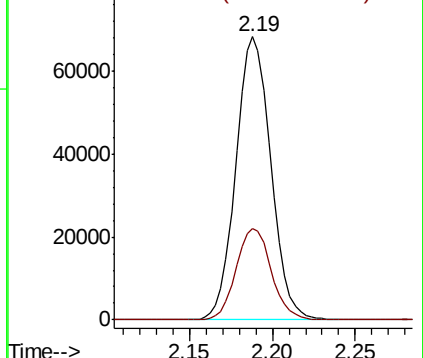
62 100

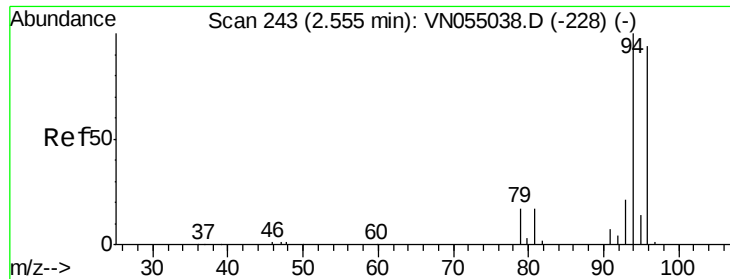
64 32.4 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VN055037.D (-117) (-)

Ion 63.90 (63.60 to 64.60): VN055037.D (-117) (-)





#5

Bromomethane

Concen: 20.020 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

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Acq: 15 Apr 2019 10:42

Instrument :

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ClientSampleId :

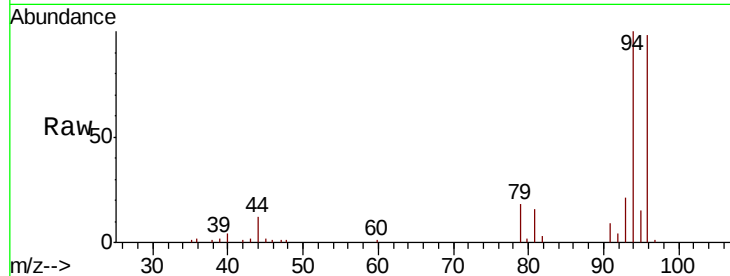
VSTDIC020

Tgt Ion: 94 Resp: 56529

Ion Ratio Lower Upper

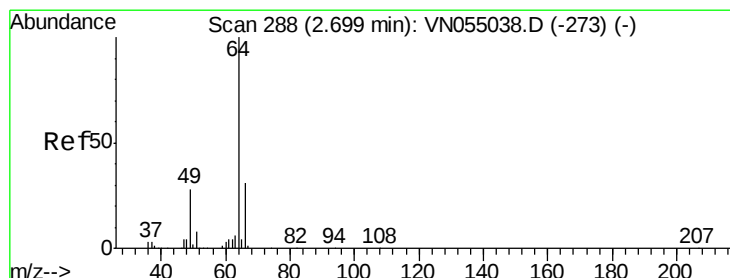
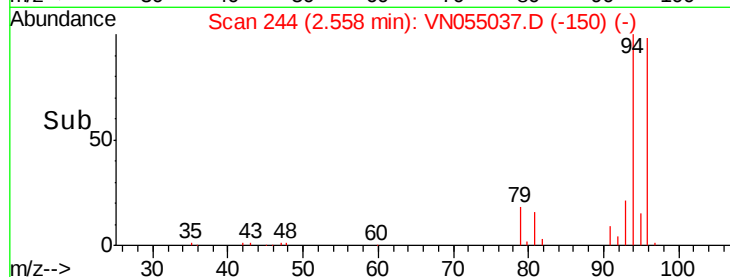
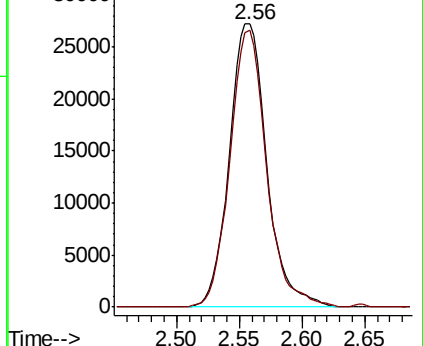
94 100

96 97.8 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.548 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055037.D

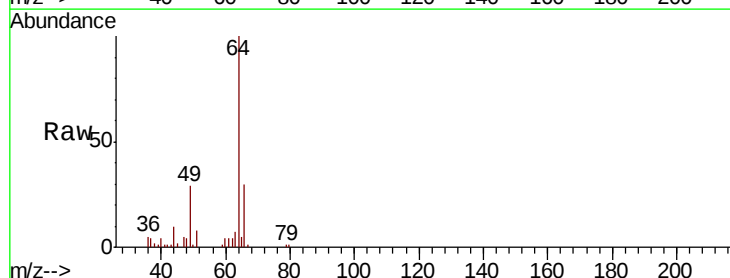
Acq: 15 Apr 2019 10:42

Tgt Ion: 64 Resp: 55274

Ion Ratio Lower Upper

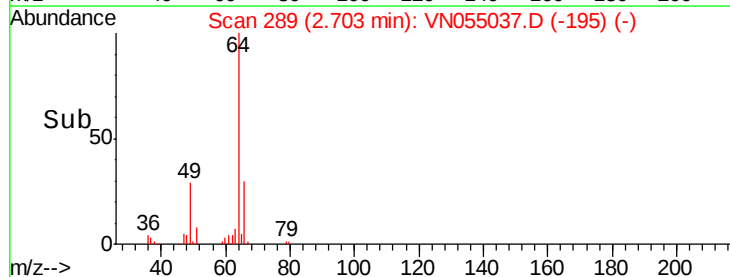
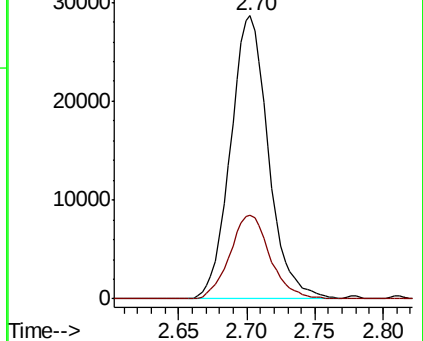
64 100

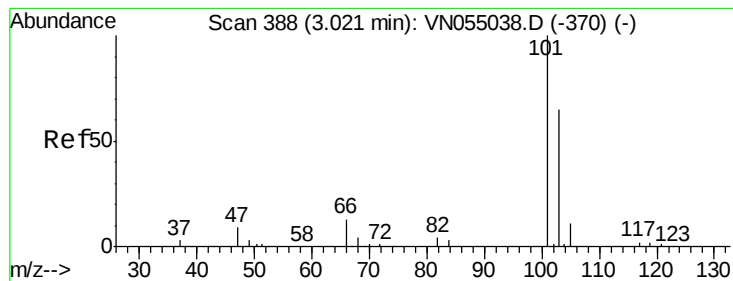
66 29.5 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



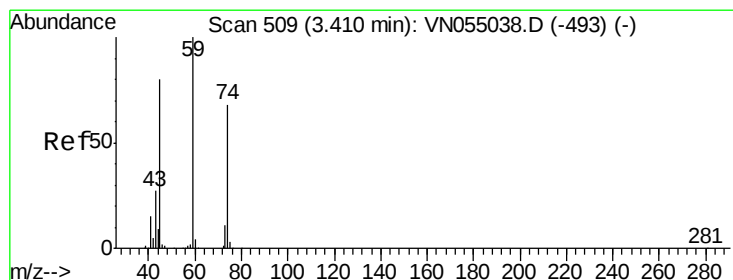
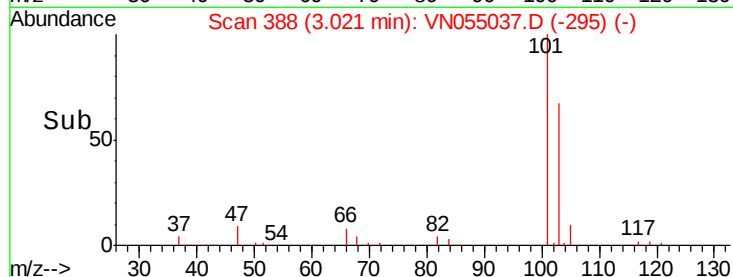
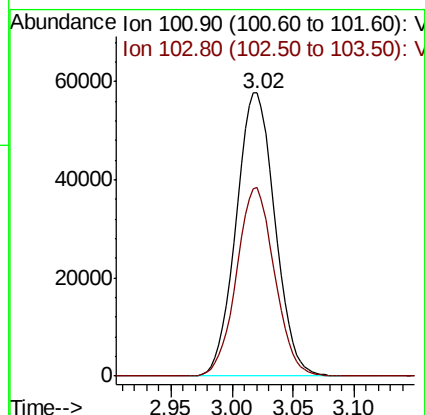
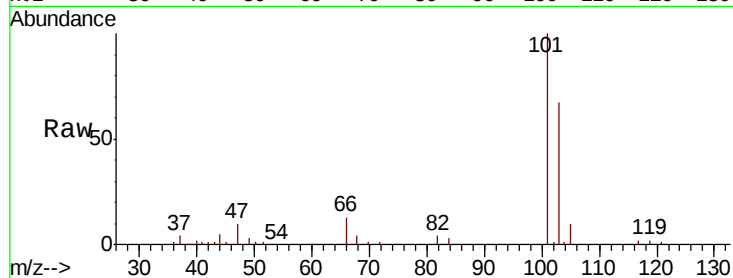


#7

Trichlorofluoromethane
Concen: 20.767 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

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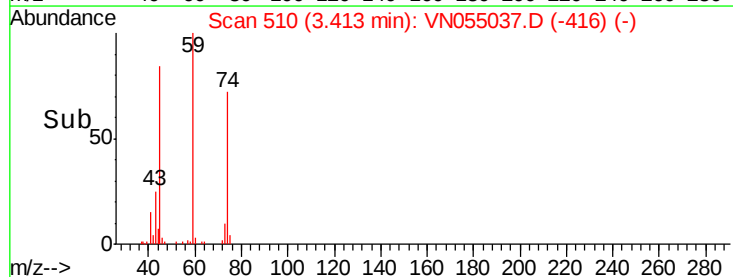
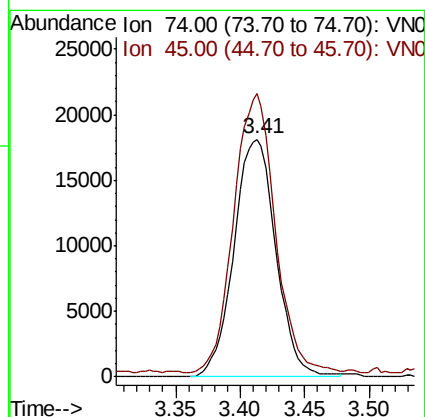
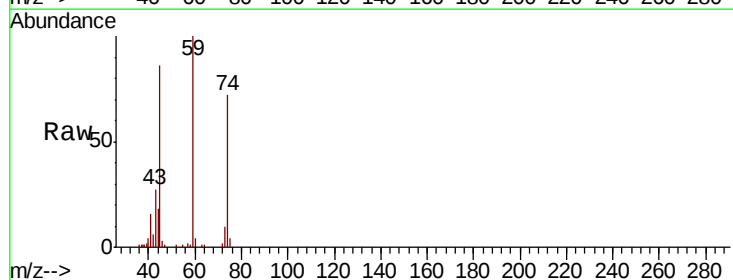
Tgt Ion:101 Resp: 127062
Ion Ratio Lower Upper
101 100
103 66.6 52.5 78.7

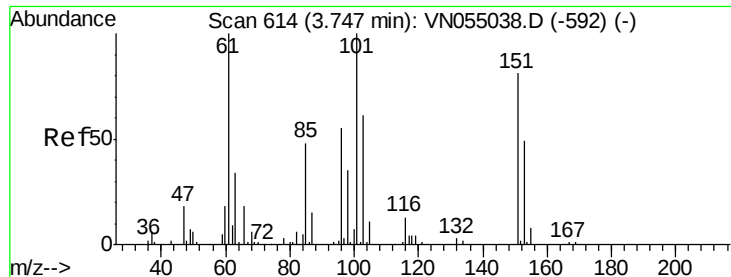


#8

Diethyl Ether
Concen: 21.296 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

Tgt Ion: 74 Resp: 40978
Ion Ratio Lower Upper
74 100
45 115.2 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.845 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

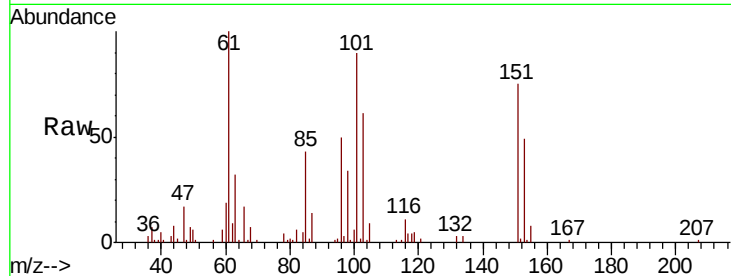
Tgt Ion:101 Resp: 66522

Ion Ratio Lower Upper

101 100

85 46.4 36.9 55.3

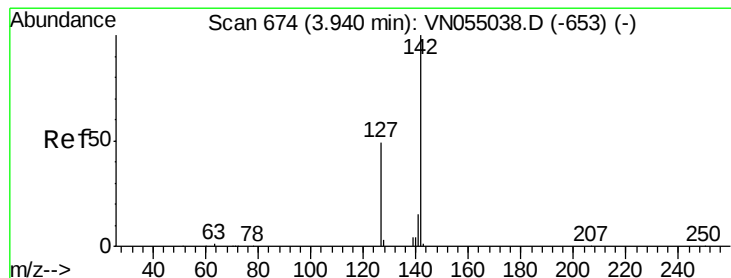
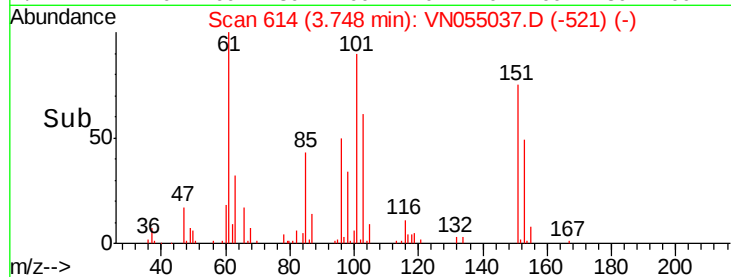
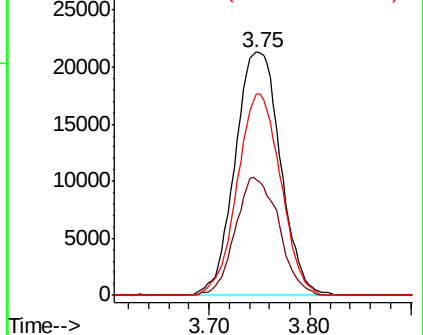
151 79.1 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 25.771 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

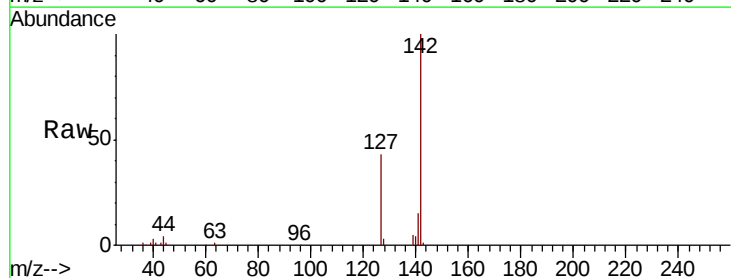
Tgt Ion:142 Resp: 118611

Ion Ratio Lower Upper

142 100

127 43.6 37.9 56.9

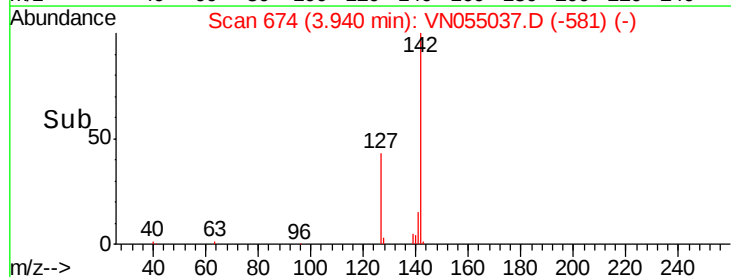
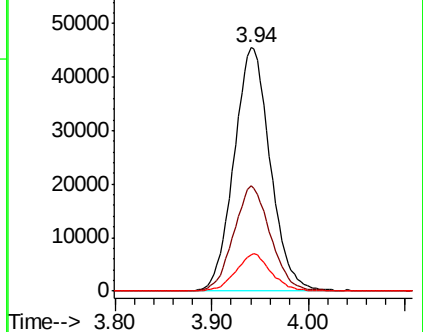
141 14.8 11.8 17.8

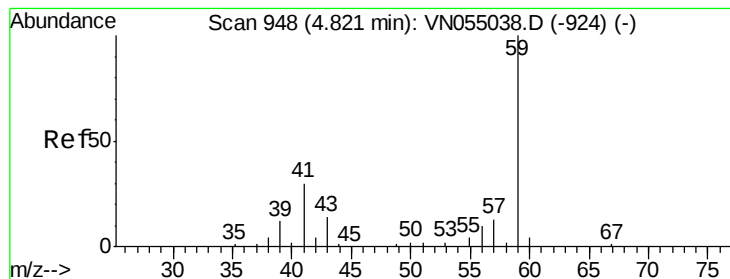


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



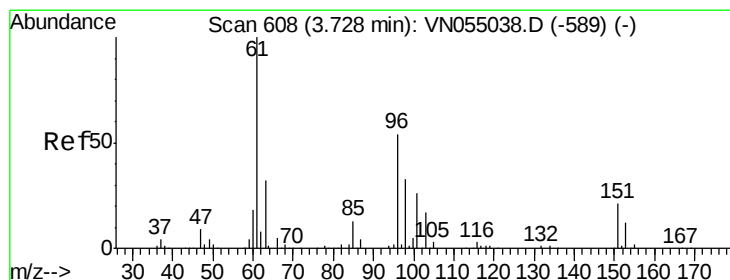
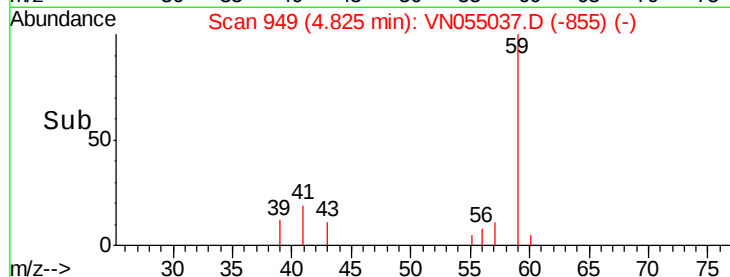
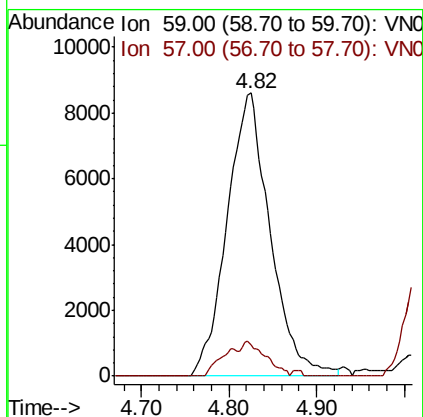
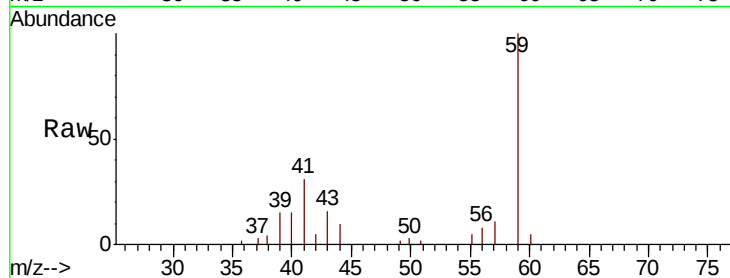


#11

Tert butyl alcohol
 Concen: 93.603 ug/l
 RT: 4.82 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VN055037.D
 Acq: 15 Apr 2019 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

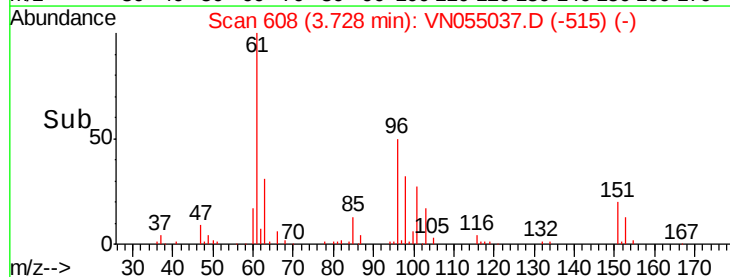
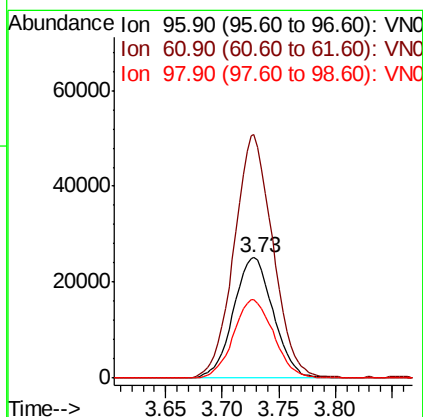
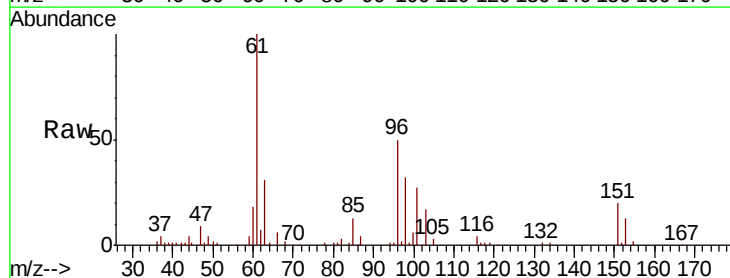
Tgt Ion: 59 Resp: 29374
 Ion Ratio Lower Upper
 59 100
 57 6.8 8.3 12.5#

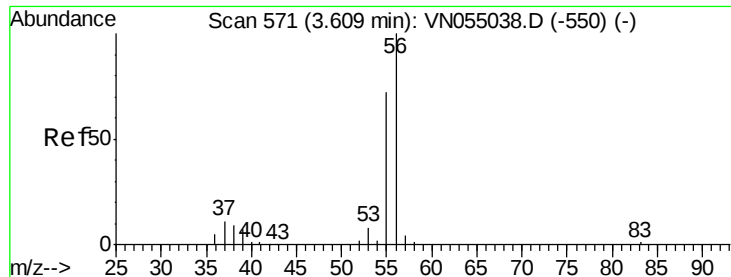


#12

1,1-Dichloroethene
 Concen: 19.633 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN055037.D
 Acq: 15 Apr 2019 10:42

Tgt Ion: 96 Resp: 61685
 Ion Ratio Lower Upper
 96 100
 61 201.8 154.2 231.4
 98 64.6 52.9 79.3





#13

Acrolein

Concen: 94.860 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

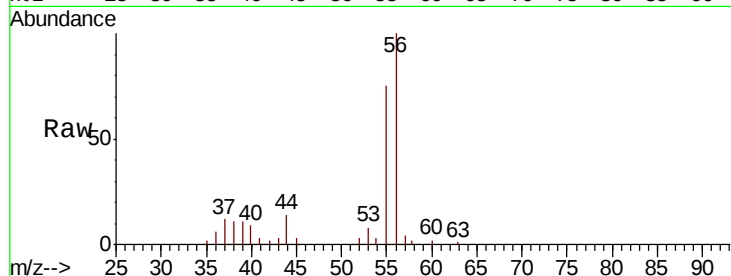
VSTDIC020

Tgt Ion: 56 Resp: 35932

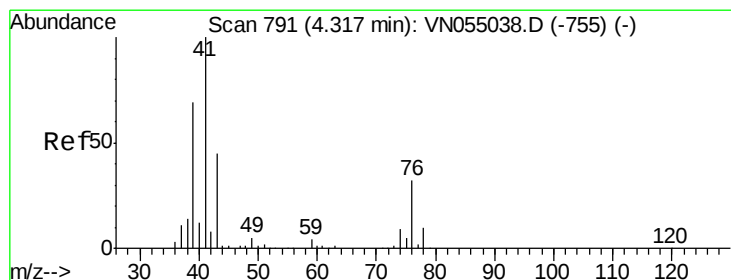
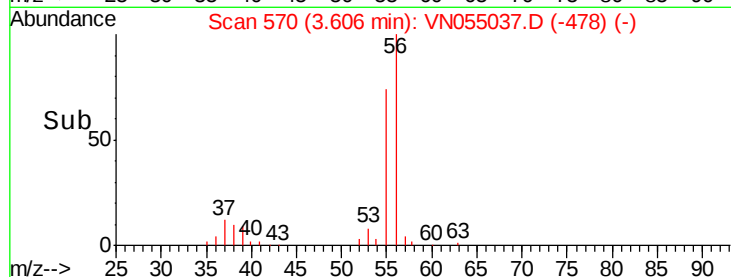
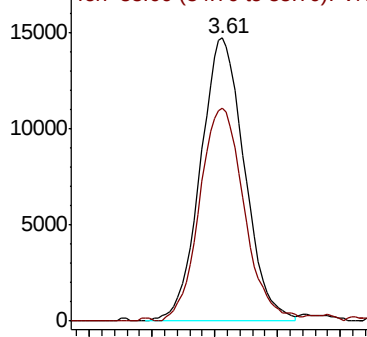
Ion Ratio Lower Upper

56 100

55 76.3 59.5 89.3



Abundance Ion 56.00 (55.70 to 56.70): VN055037.D (-550) (-)



#14

Allyl chloride

Concen: 20.503 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

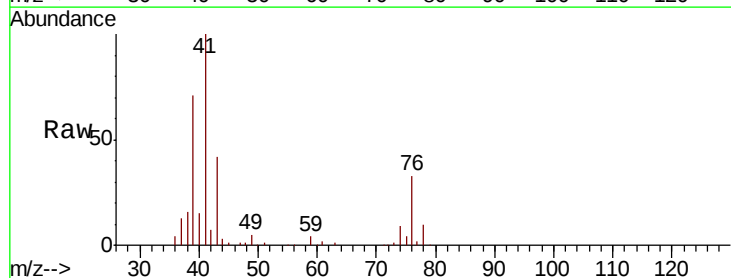
Tgt Ion: 41 Resp: 157398

Ion Ratio Lower Upper

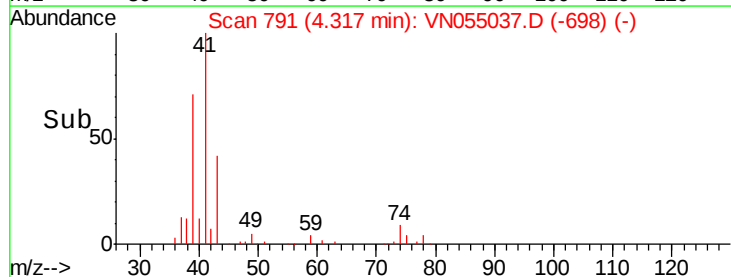
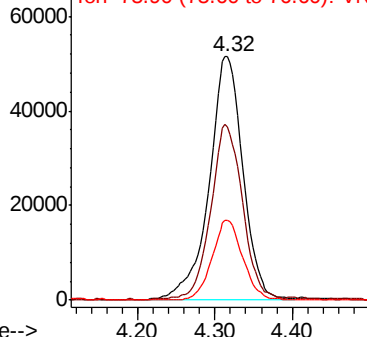
41 100

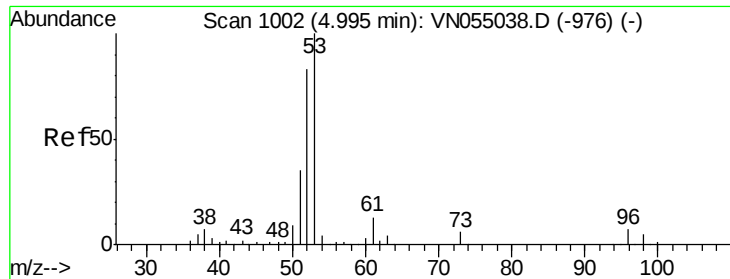
39 67.0 52.7 79.1

76 29.7 23.2 34.8



Abundance Ion 41.00 (40.70 to 41.70): VN055037.D (-698) (-)

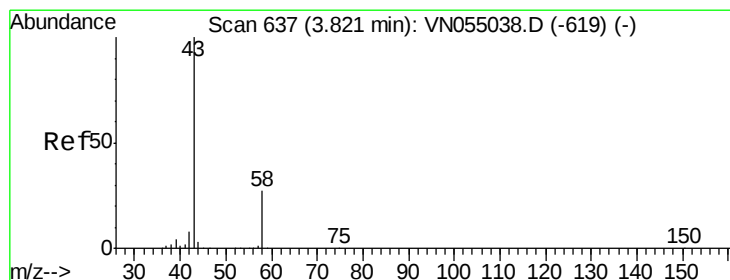
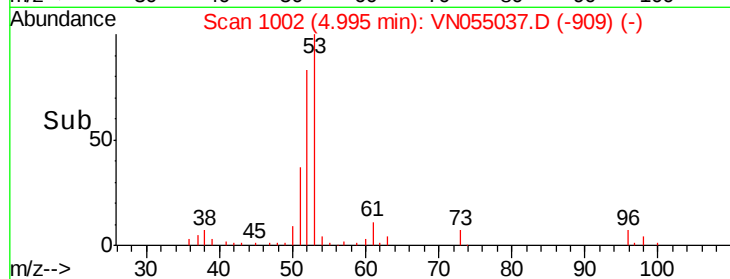
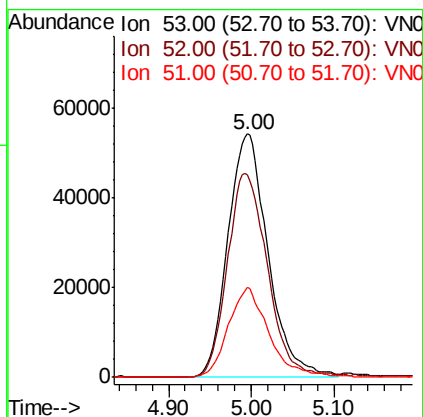
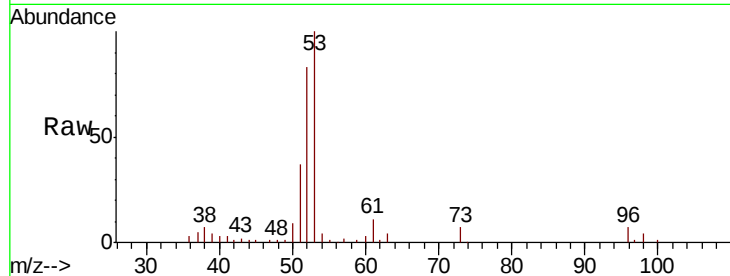




#15
 Acrylonitrile
 Concen: 105.862 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN055037.D
 Acq: 15 Apr 2019 10:42

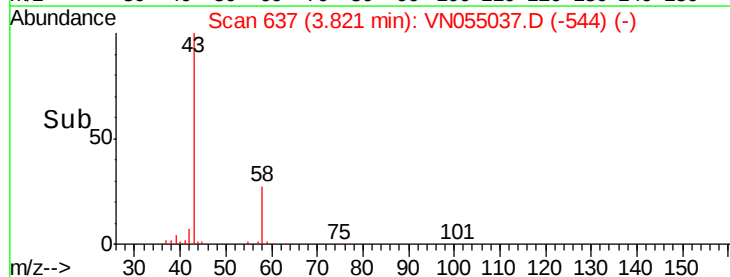
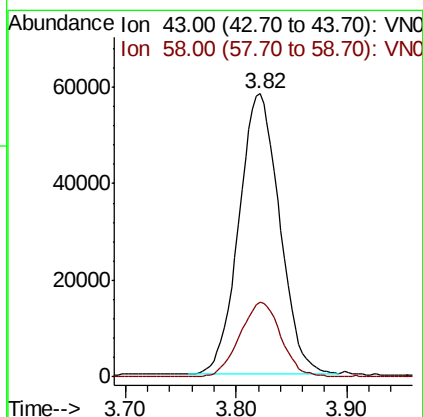
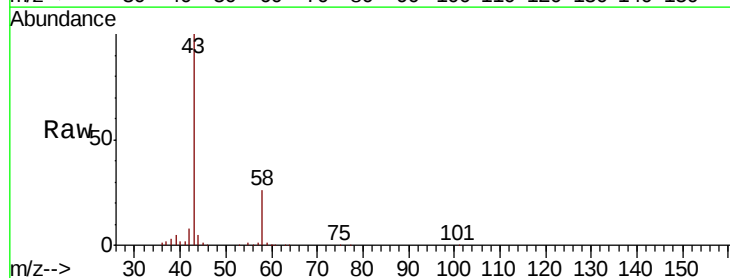
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

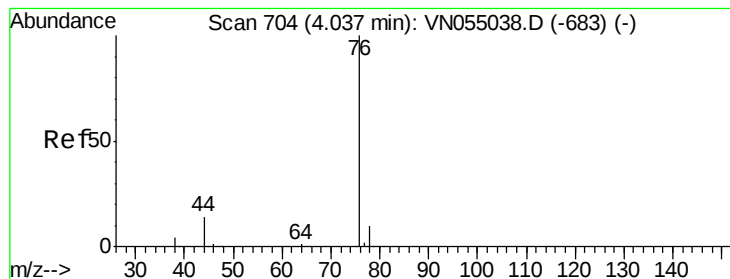
Tgt Ion: 53 Resp: 183233
 Ion Ratio Lower Upper
 53 100
 52 83.7 65.9 98.9
 51 37.4 29.7 44.5



#16
 Acetone
 Concen: 105.663 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055037.D
 Acq: 15 Apr 2019 10:42

Tgt Ion: 43 Resp: 148032
 Ion Ratio Lower Upper
 43 100
 58 26.7 20.9 31.3





#17

Carbon Disulfide

Concen: 19.683 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

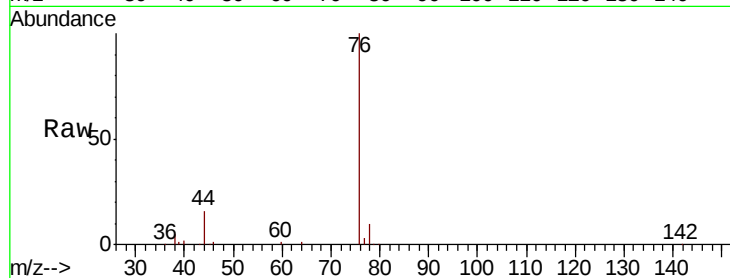
VSTDIC020

Tgt Ion: 76 Resp: 201429

Ion Ratio Lower Upper

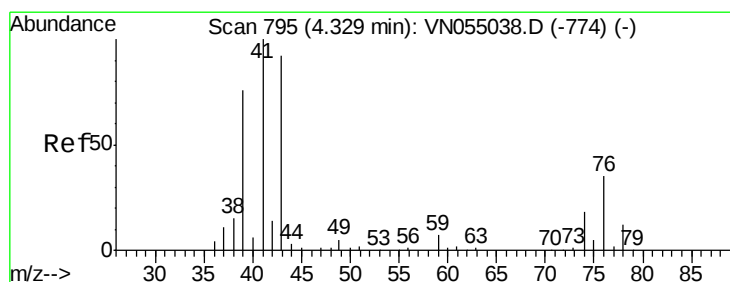
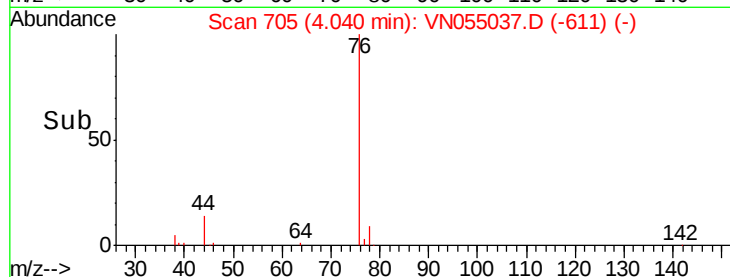
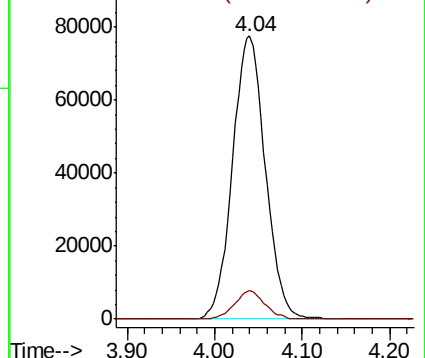
76 100

78 9.9 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 19.844 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055037.D

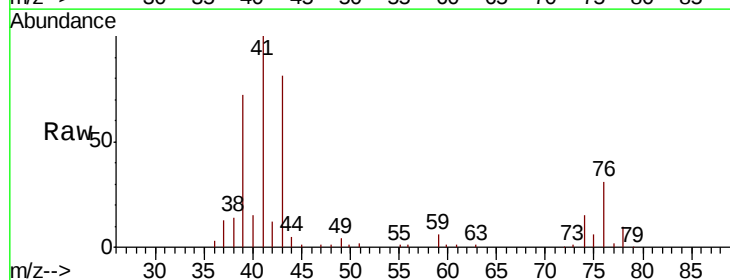
Acq: 15 Apr 2019 10:42

Tgt Ion: 43 Resp: 86178

Ion Ratio Lower Upper

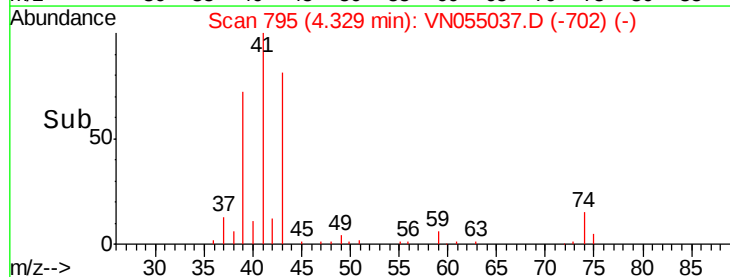
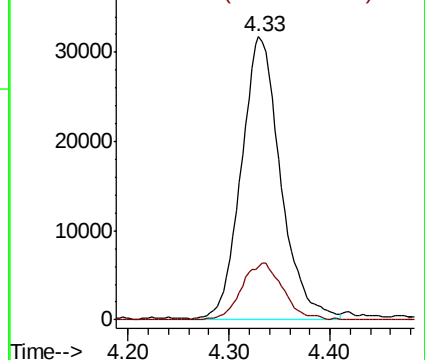
43 100

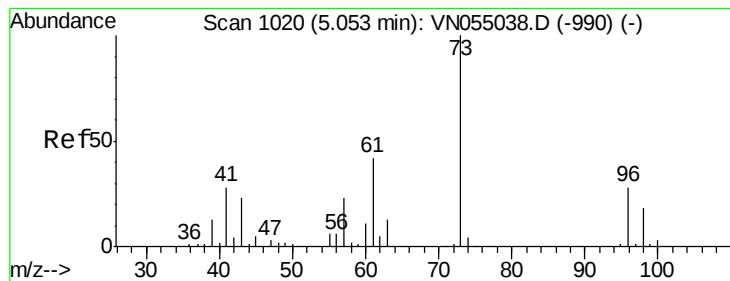
74 21.0 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

Methyl tert-butyl Ether

Concen: 21.107 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

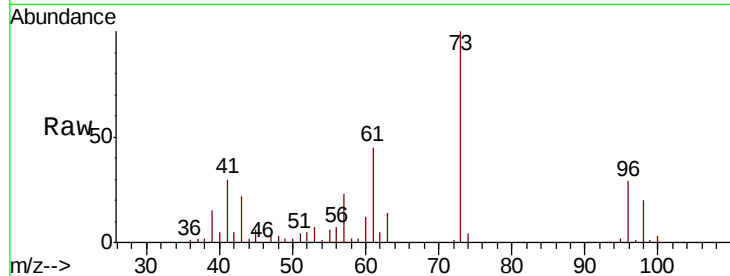
VSTDIC020

Tgt Ion: 73 Resp: 236952

Ion Ratio Lower Upper

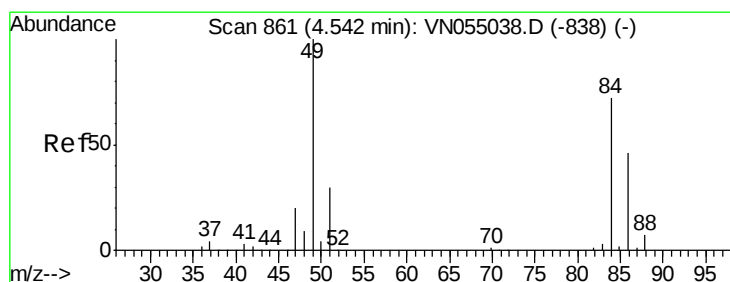
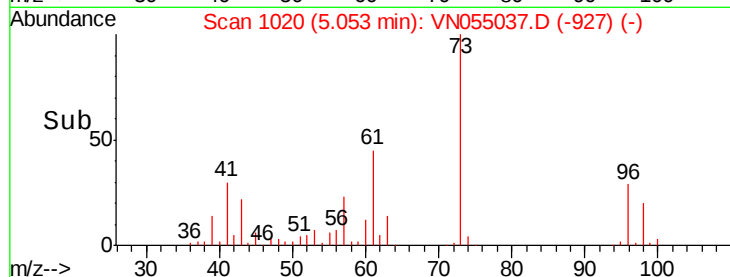
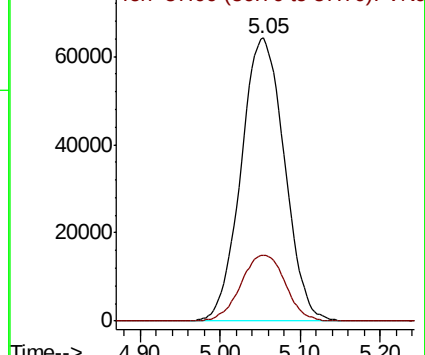
73 100

57 23.3 19.0 28.4



Abundance Ion 73.00 (72.70 to 73.70): VN055037.D (-990) (-)

Ion 57.00 (56.70 to 57.70): VN055037.D (-990) (-)



#20

Methylene Chloride

Concen: 19.321 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Tgt Ion: 84 Resp: 99192

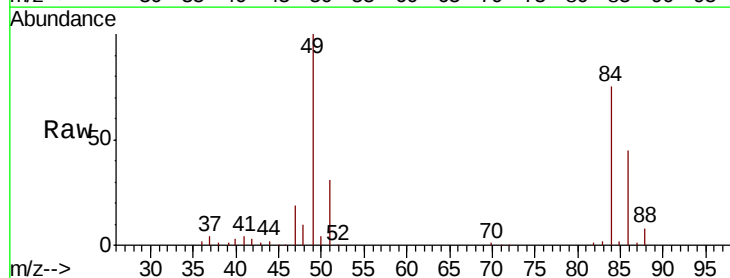
Ion Ratio Lower Upper

84 100

49 133.2 109.4 164.2

51 41.0 32.2 48.4

86 59.6 49.3 73.9

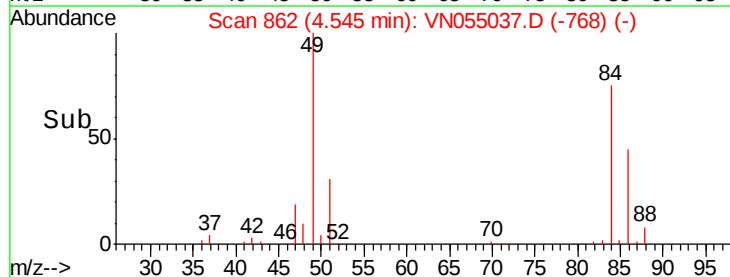
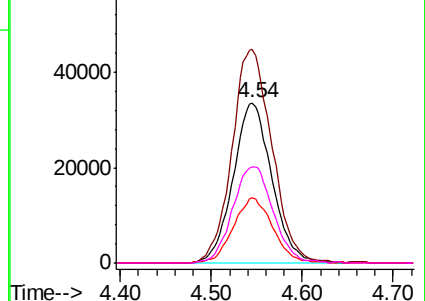


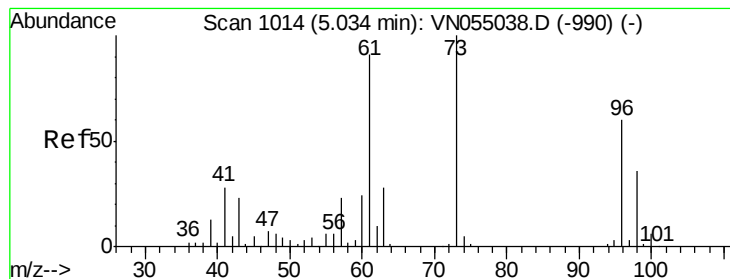
Abundance Ion 83.90 (83.60 to 84.60): VN055037.D (-768) (-)

Ion 48.90 (48.60 to 49.60): VN055037.D (-768) (-)

Ion 50.90 (50.60 to 51.60): VN055037.D (-768) (-)

Ion 85.90 (85.60 to 86.60): VN055037.D (-768) (-)





#21

trans-1,2-Dichloroethene

Concen: 20.688 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

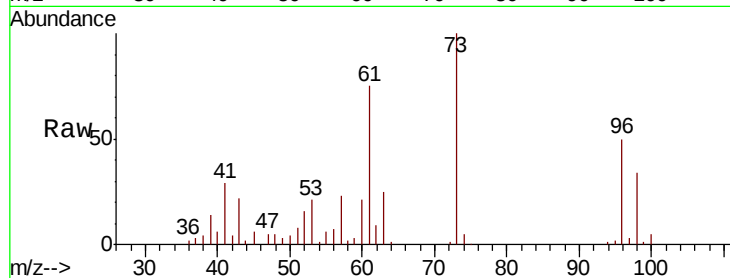
Tgt Ion: 96 Resp: 85628

Ion Ratio Lower Upper

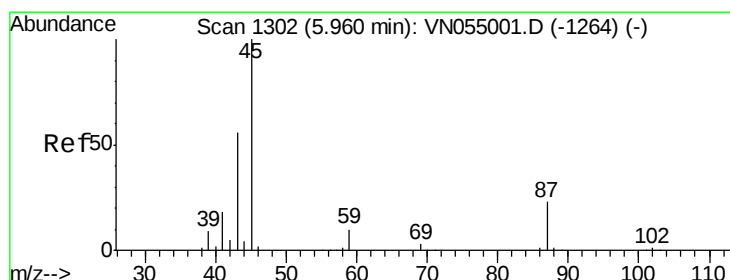
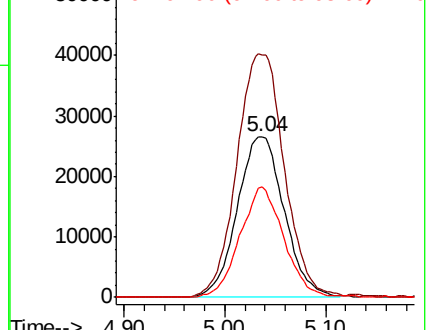
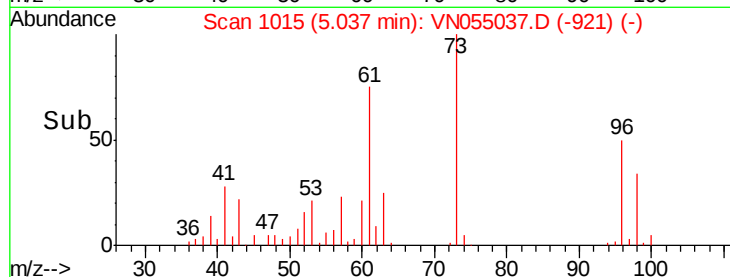
96 100

61 150.7 114.9 172.3

98 69.0 48.4 72.6



Abundance Ion 95.90 (95.60 to 96.60): VN055037.D (-921) (-)



#22

Diisopropyl ether

Concen: 21.292 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Tgt Ion: 45 Resp: 331418

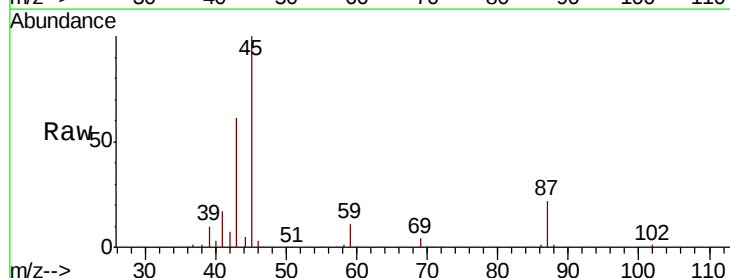
Ion Ratio Lower Upper

45 100

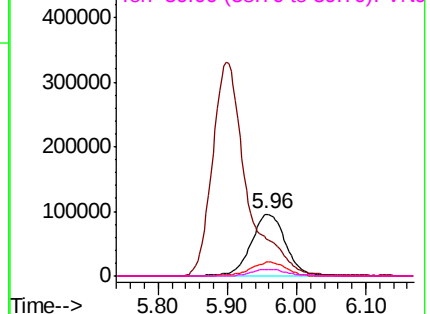
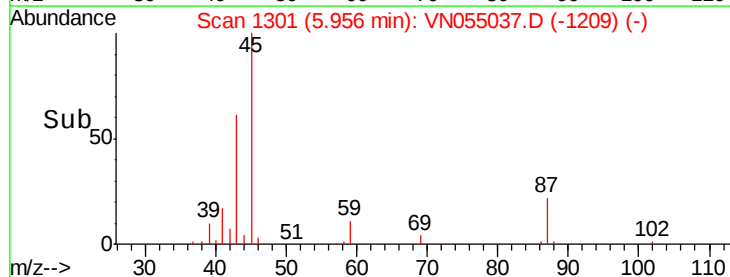
43 58.6 44.8 67.2

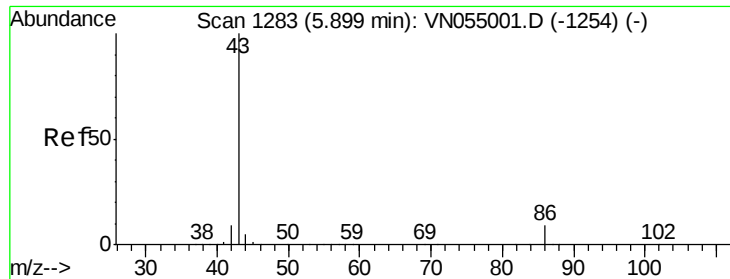
87 21.9 18.9 28.3

59 10.4 7.9 11.9



Abundance Ion 45.00 (44.70 to 45.70): VN055037.D (-1209) (-)





#23

Vinyl Acetate

Concen: 104.086 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

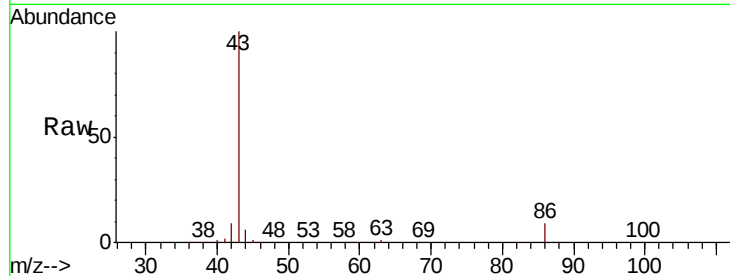
VSTDIC020

Tgt Ion: 43 Resp: 1133161

Ion Ratio Lower Upper

43 100

86 8.8 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

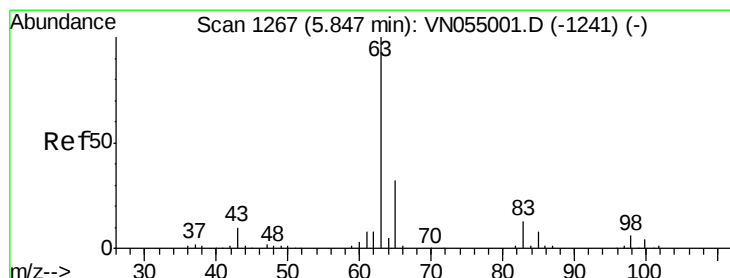
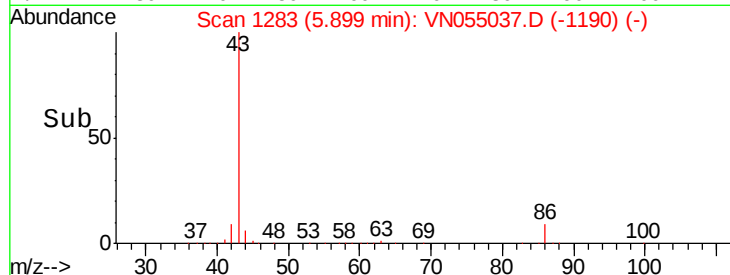
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.894 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

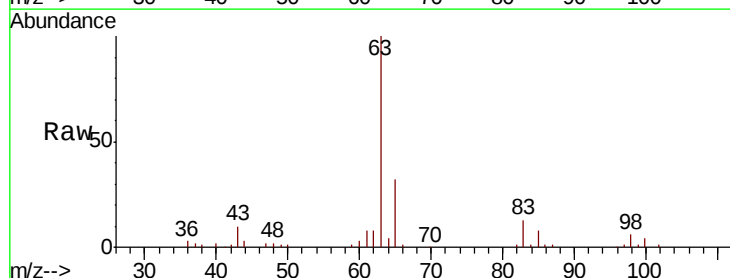
Tgt Ion: 63 Resp: 175646

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

100 4.5 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

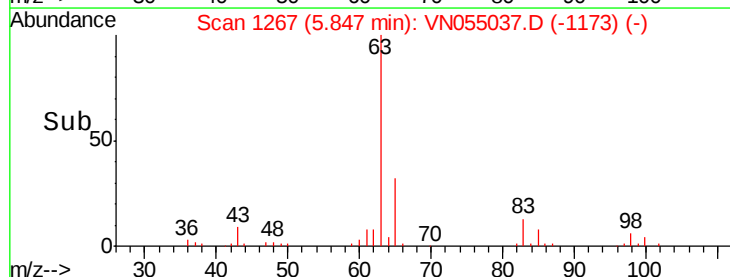
60000

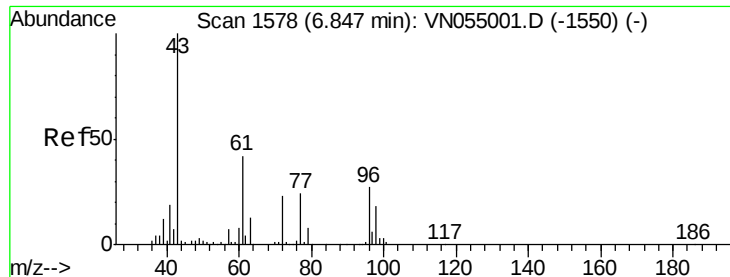
40000

20000

0

Time-->

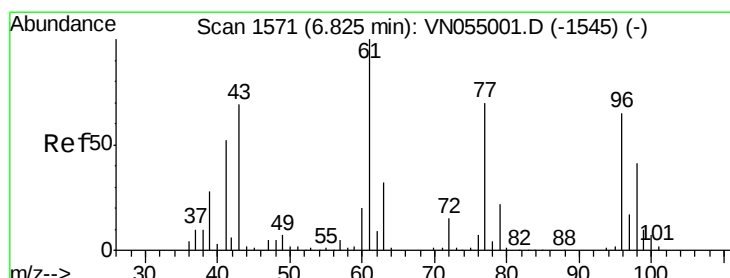
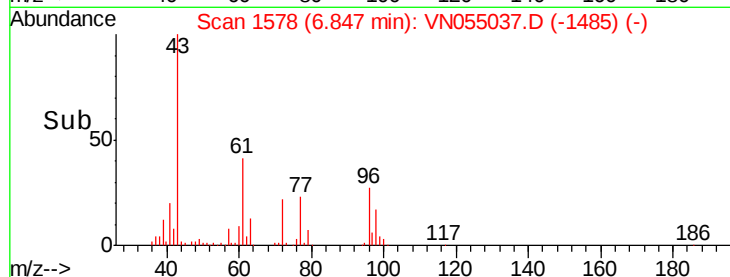
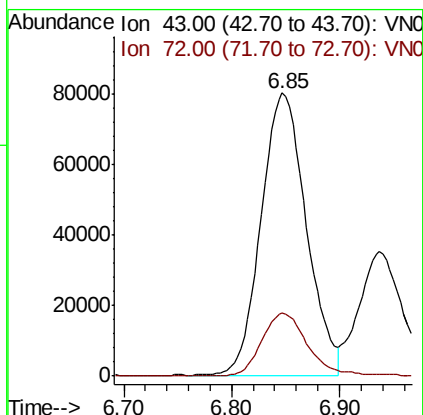
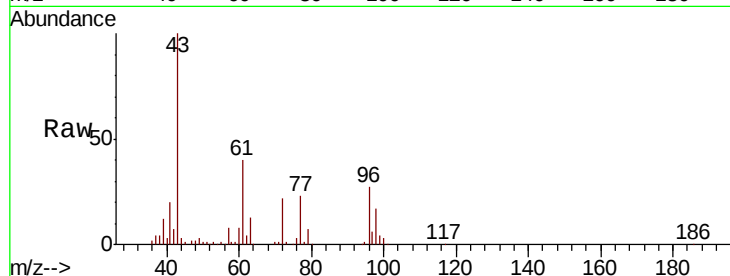




#25
 2-Butanone
 Concen: 107.704 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN055037.D
 Acq: 15 Apr 2019 10:42

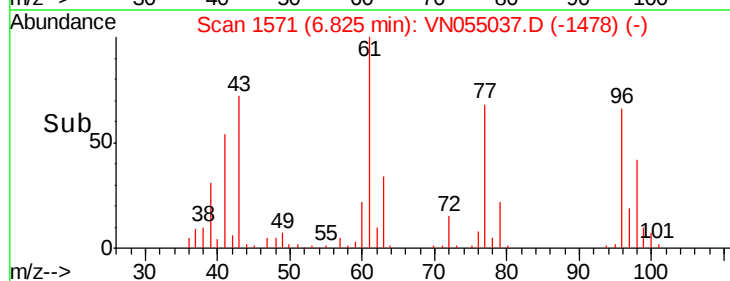
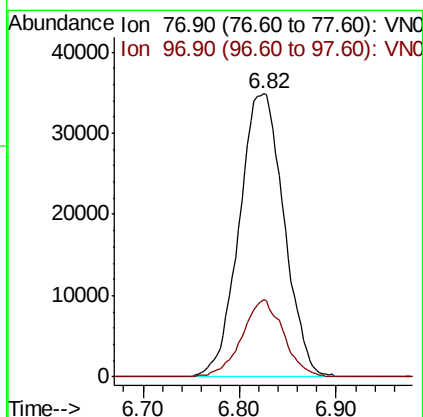
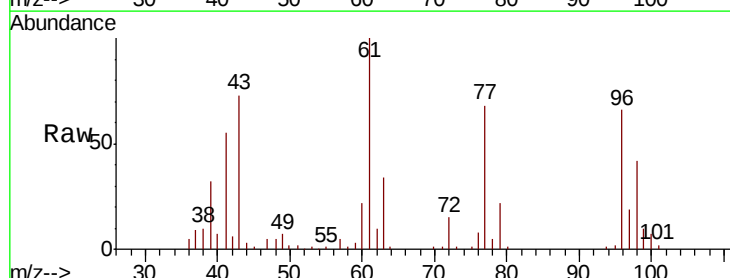
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

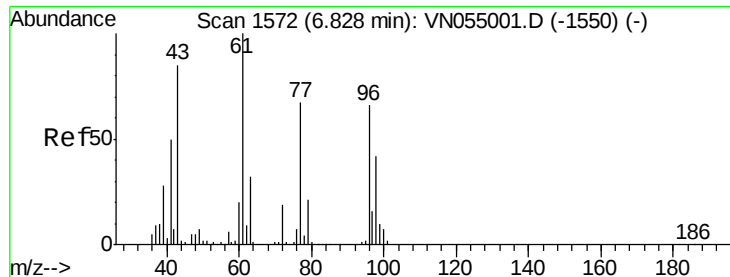
Tgt Ion: 43 Resp: 232395
 Ion Ratio Lower Upper
 43 100
 72 22.3 18.1 27.1



#26
 2,2-Dichloropropane
 Concen: 20.134 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN055037.D
 Acq: 15 Apr 2019 10:42

Tgt Ion: 77 Resp: 111982
 Ion Ratio Lower Upper
 77 100
 97 25.3 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 21.018 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

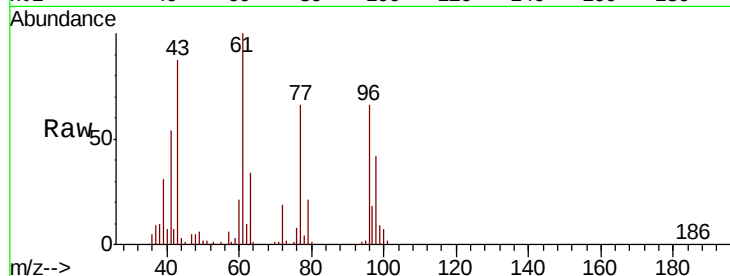
Tgt Ion: 96 Resp: 101061

Ion Ratio Lower Upper

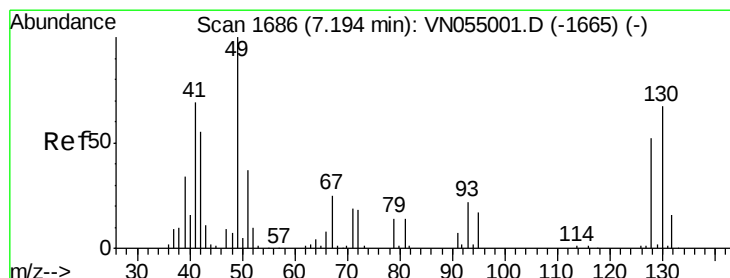
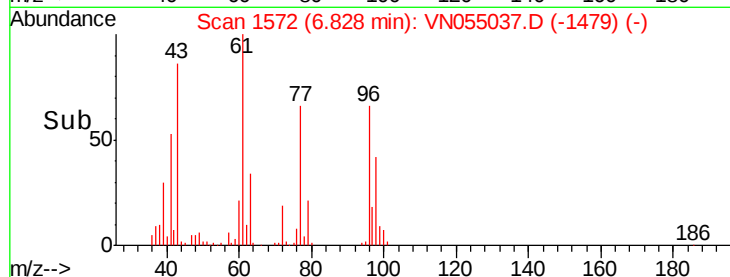
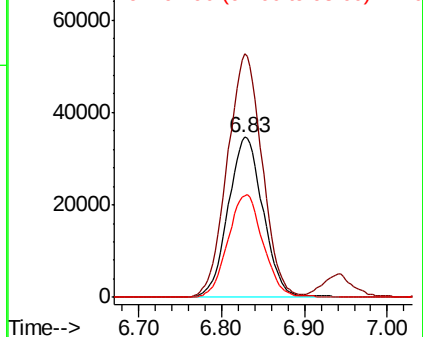
96 100

61 152.3 0.0 311.0

98 65.0 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 22.185 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

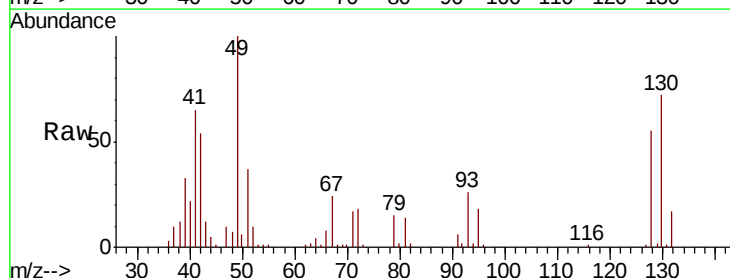
Tgt Ion: 49 Resp: 88485

Ion Ratio Lower Upper

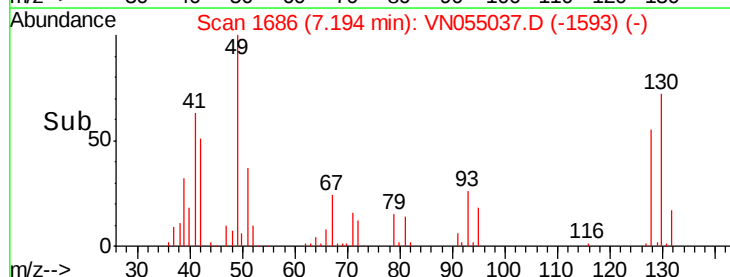
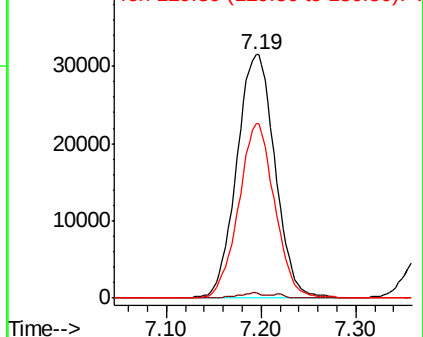
49 100

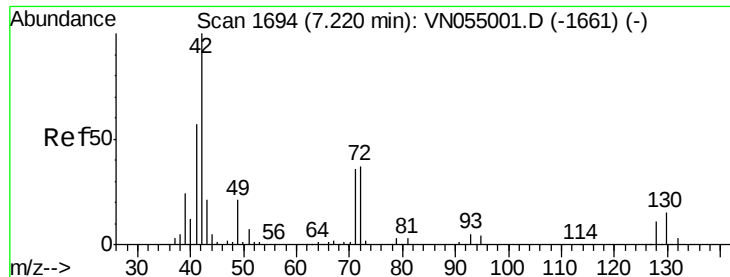
129 1.4 0.0 2.0

130 67.4 53.4 80.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

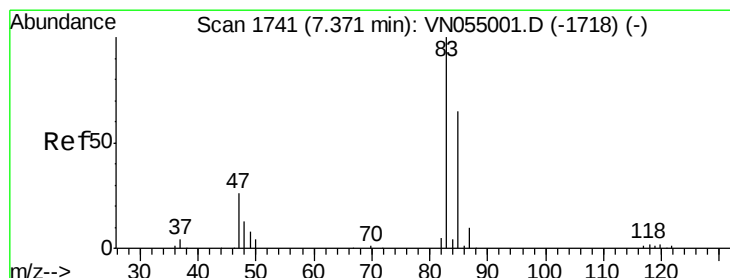
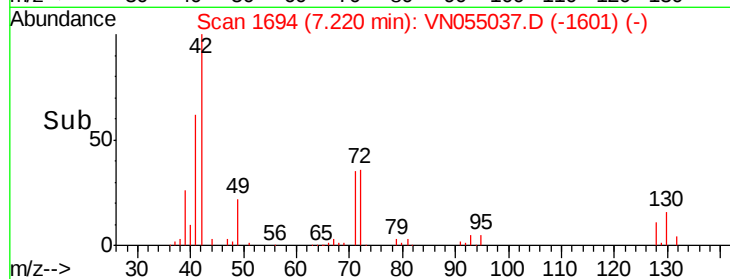
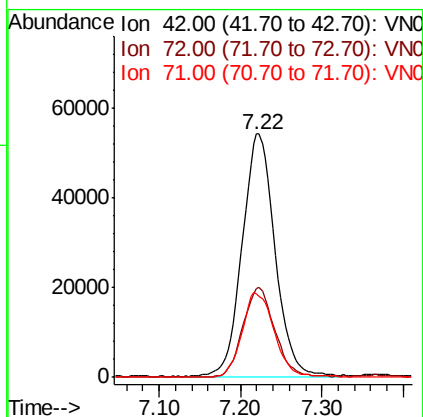
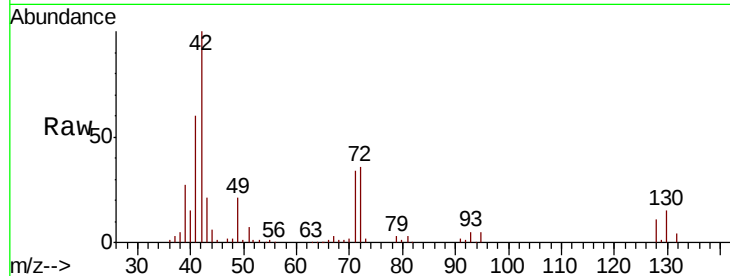




#29
Tetrahydrofuran
Concen: 105.919 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

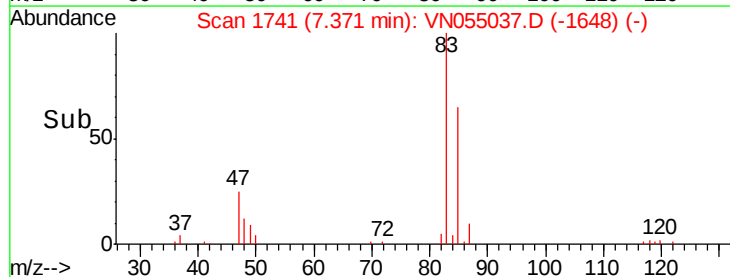
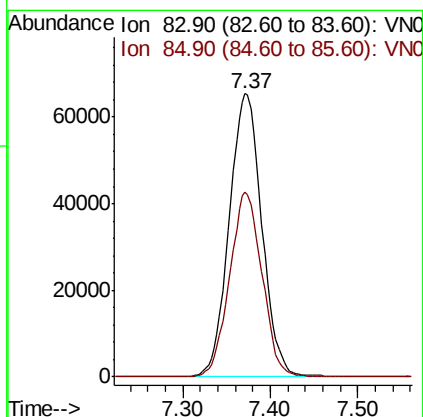
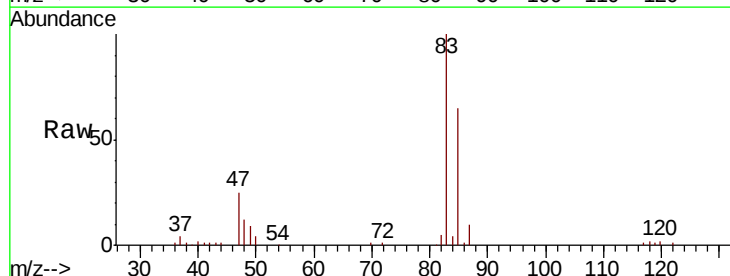
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

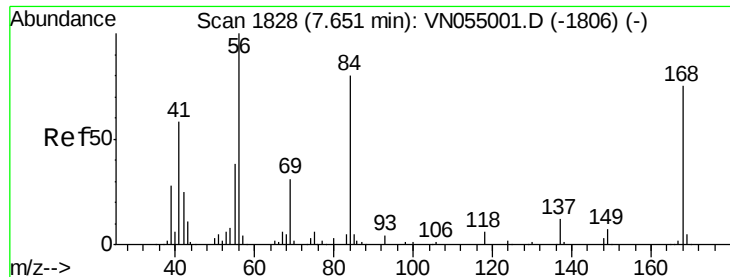
Tgt Ion: 42 Resp: 149820
Ion Ratio Lower Upper
42 100
72 36.2 29.4 44.0
71 34.5 27.8 41.6



#30
Chloroform
Concen: 21.118 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

Tgt Ion: 83 Resp: 169292
Ion Ratio Lower Upper
83 100
85 65.3 51.8 77.6

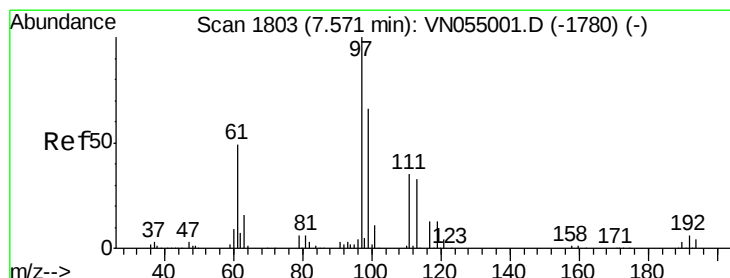
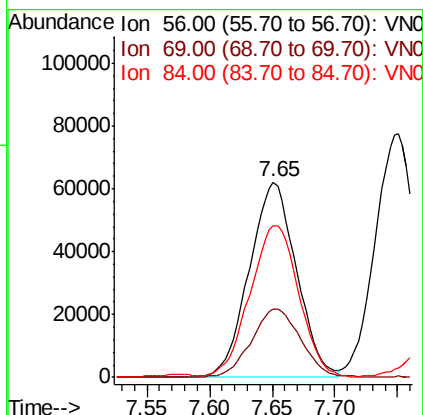
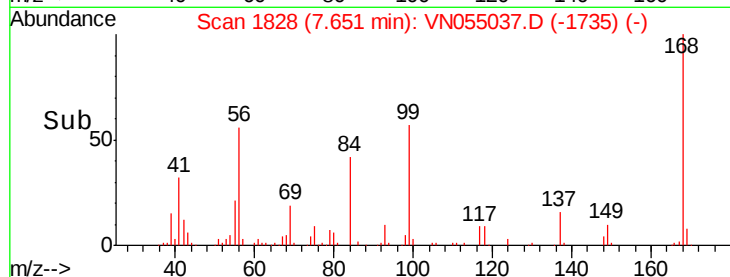
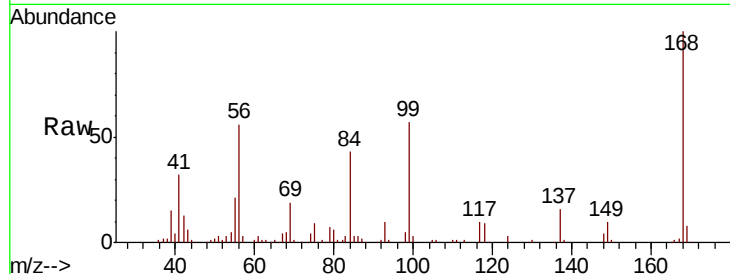




#31
Cyclohexane
Concen: 17.553 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

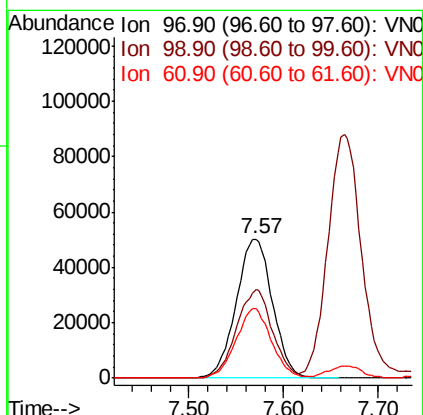
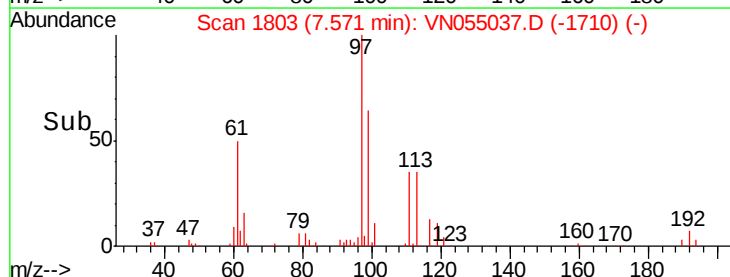
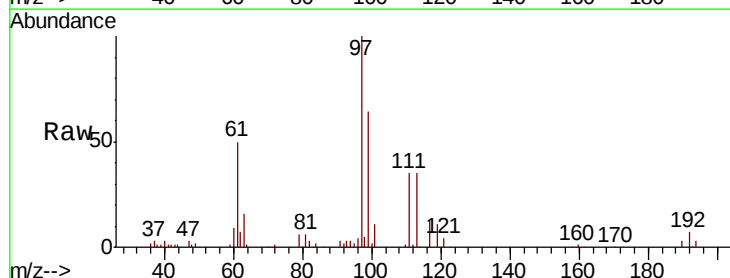
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

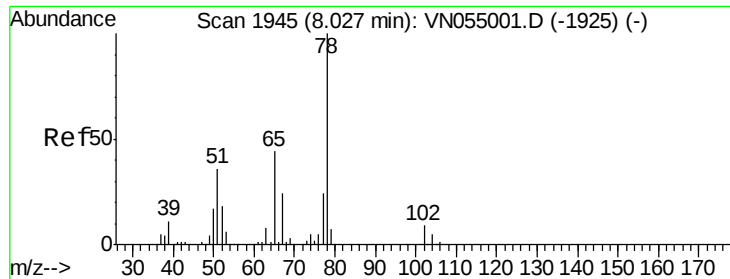
Tgt Ion: 56 Resp: 162381
Ion Ratio Lower Upper
56 100
69 34.8 24.5 36.7
84 76.4 62.9 94.3



#32
1,1,1-Trichloroethane
Concen: 20.925 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

Tgt Ion: 97 Resp: 133634
Ion Ratio Lower Upper
97 100
99 63.1 51.6 77.4
61 48.7 38.3 57.5

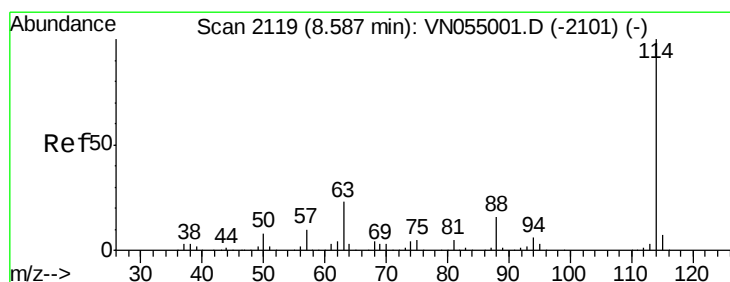
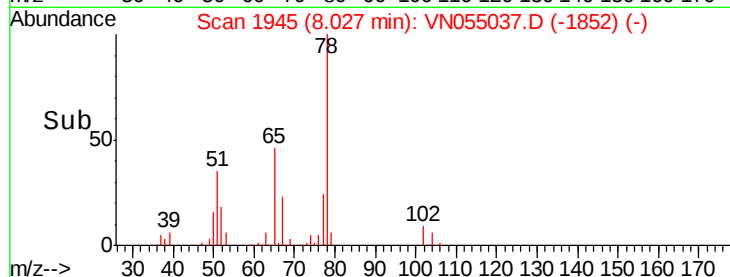
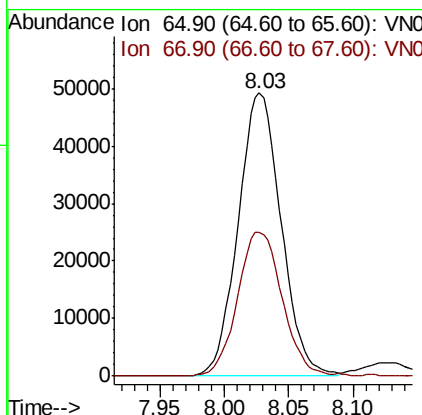
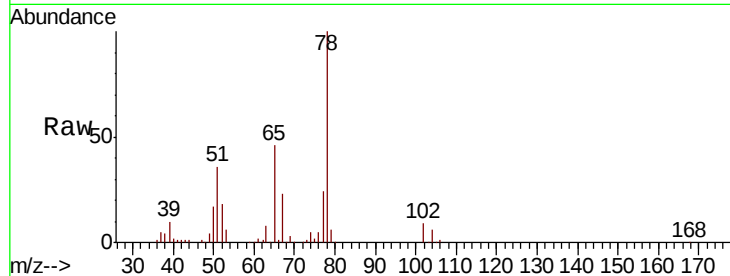




#33
 1,2-Dichloroethane-d4
 Concen: 22.377 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055037.D
 Acq: 15 Apr 2019 10:42

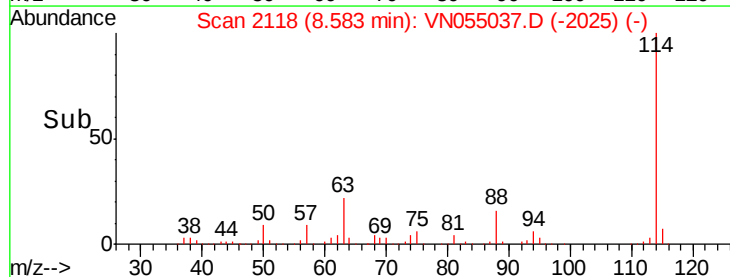
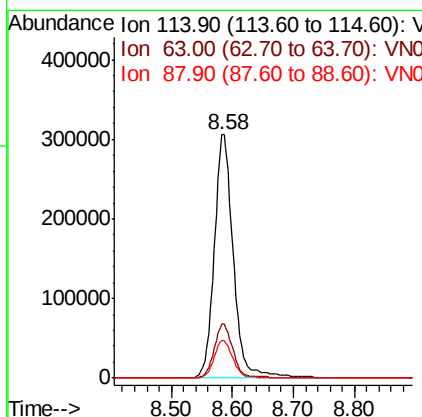
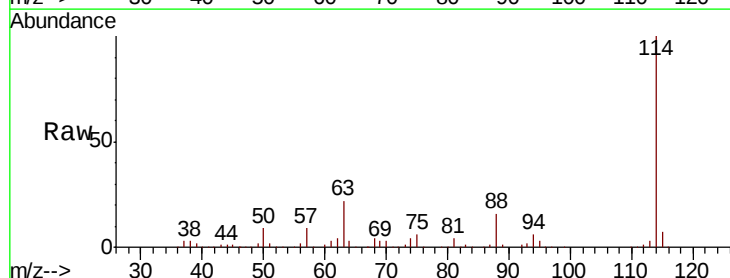
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

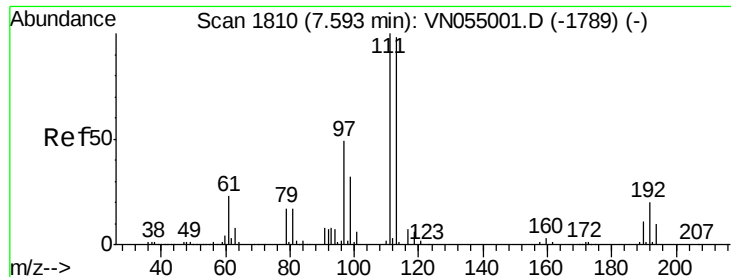
Tgt Ion: 65 Resp: 114117
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055037.D
 Acq: 15 Apr 2019 10:42

Tgt Ion: 114 Resp: 664667
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 45.2
 88 15.6 0.0 31.8

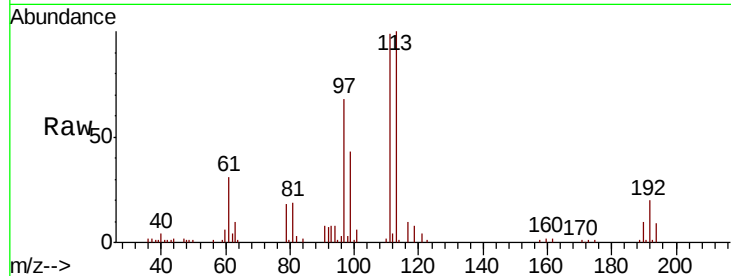




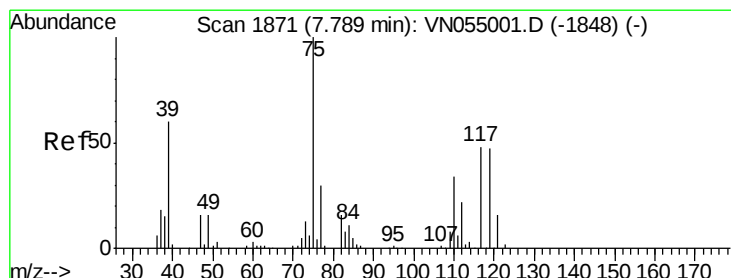
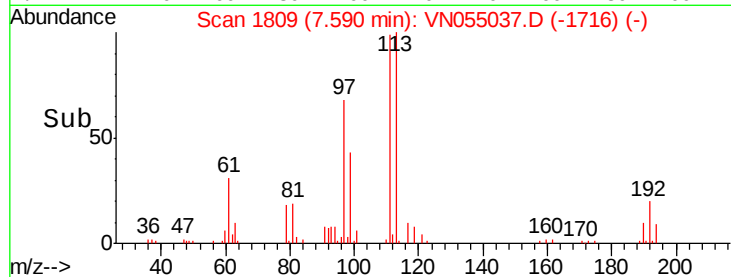
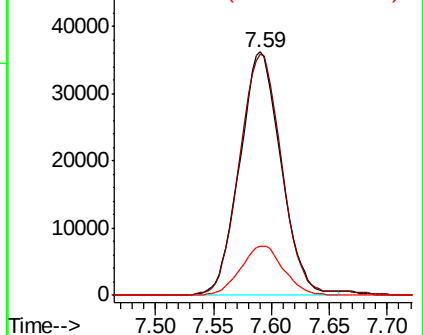
#35
 Dibromofluoromethane
 Concen: 21.277 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055037.D
 Acq: 15 Apr 2019 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 113 Resp: 90154
 Ion Ratio Lower Upper
 113 100
 111 100.5 82.1 123.1
 192 21.0 16.5 24.7

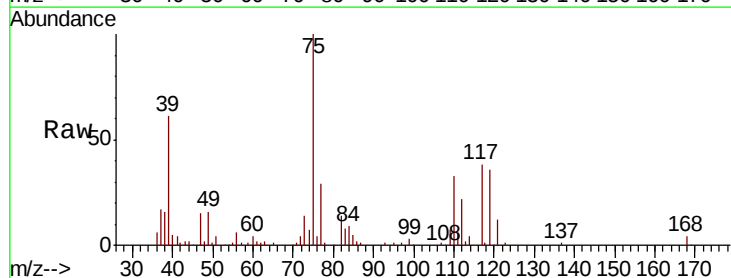


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

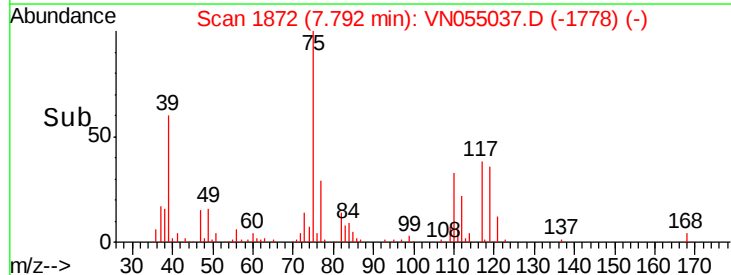
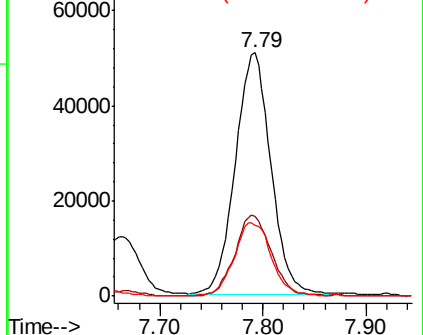


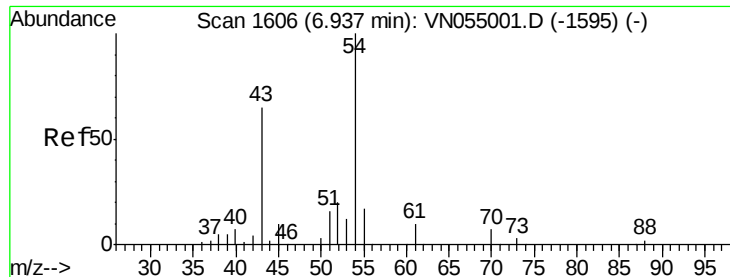
#36
 1,1-Dichloropropene
 Concen: 19.841 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055037.D
 Acq: 15 Apr 2019 10:42

Tgt Ion: 75 Resp: 121878
 Ion Ratio Lower Upper
 75 100
 110 34.4 17.5 52.5
 77 31.8 24.9 37.3



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

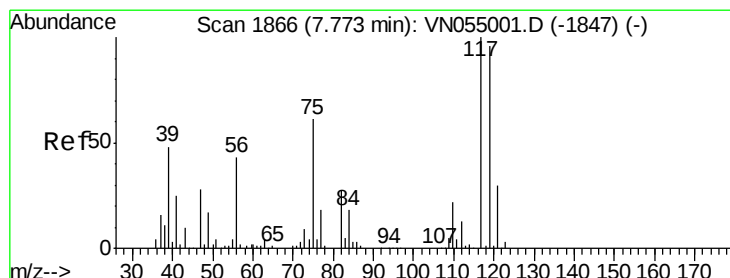
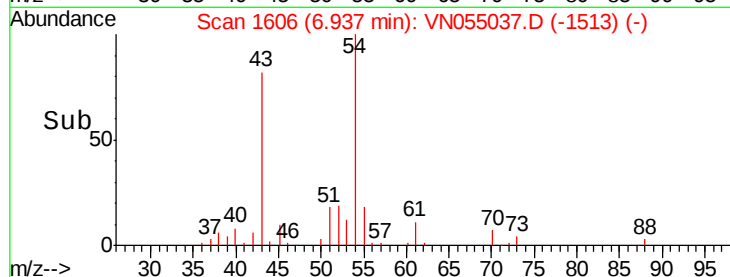
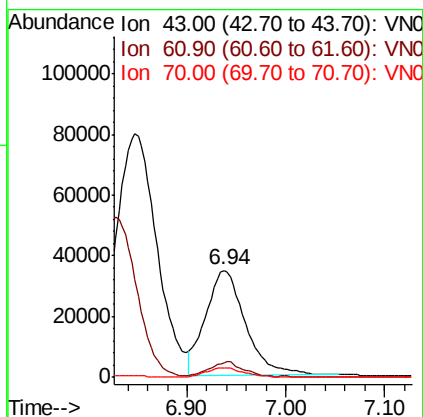
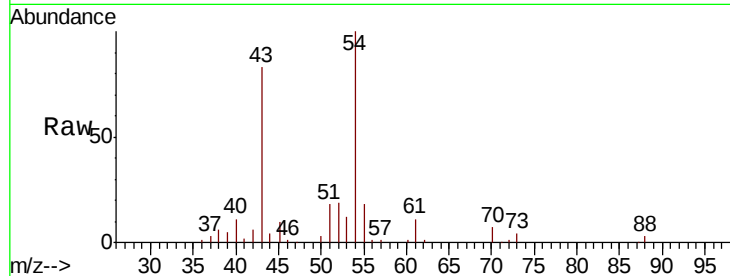




#37
Ethyl Acetate
Concen: 21.204 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

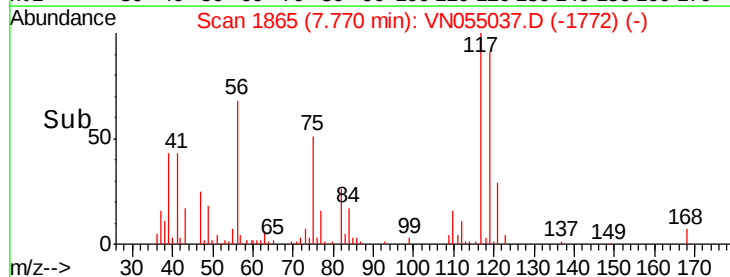
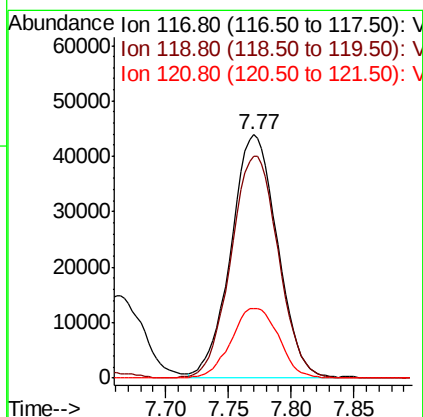
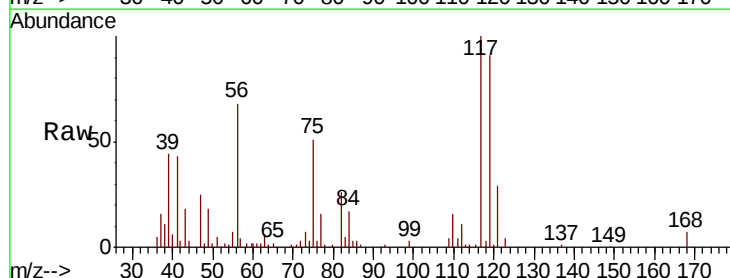
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

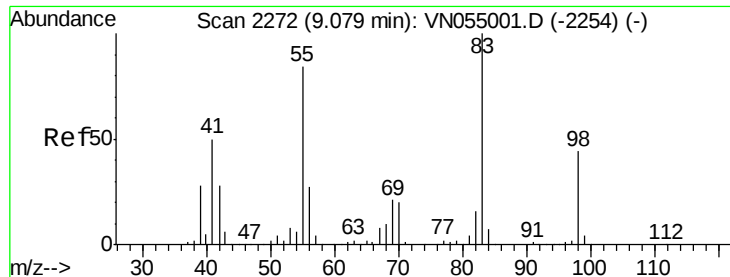
Tgt Ion: 43 Resp: 97783
Ion Ratio Lower Upper
43 100
61 11.8 10.0 15.0
70 8.6 7.1 10.7



#38
Carbon Tetrachloride
Concen: 19.405 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

Tgt Ion: 117 Resp: 112202
Ion Ratio Lower Upper
117 100
119 91.5 76.3 114.5
121 28.9 23.9 35.9

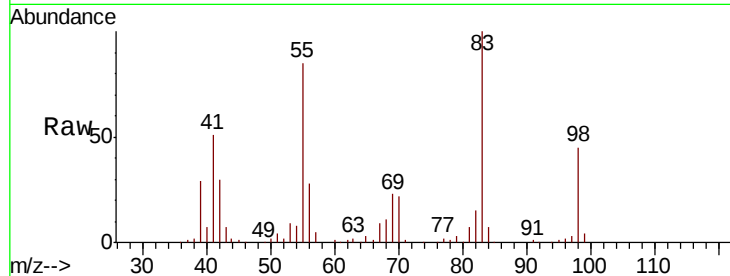




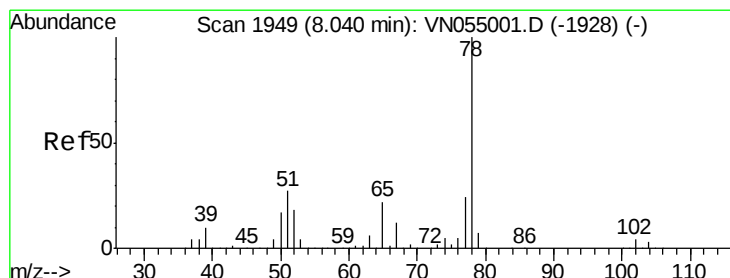
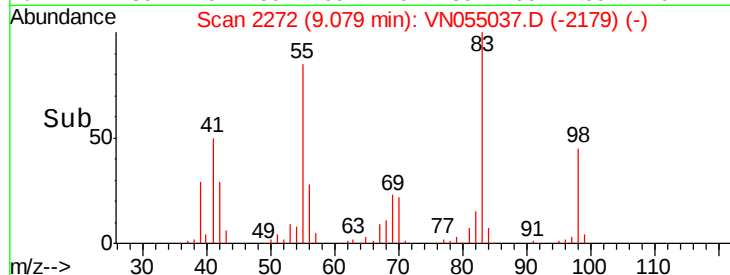
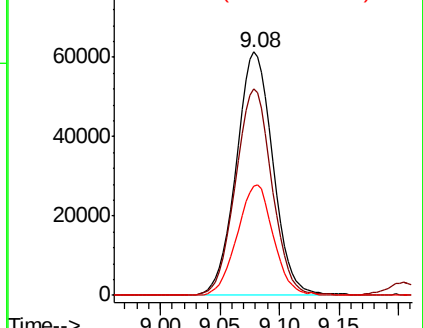
#39
Methylcyclohexane
Concen: 18.634 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 131047
Ion Ratio Lower Upper
83 100
55 84.8 67.0 100.4
98 44.7 35.6 53.4

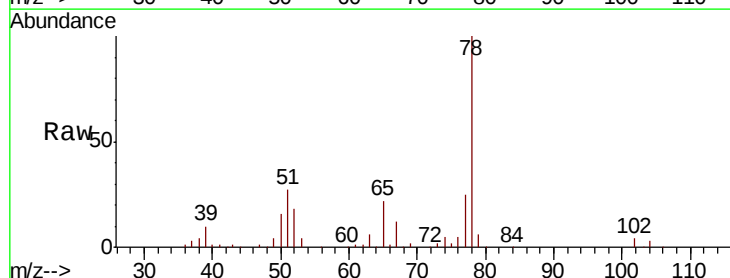


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

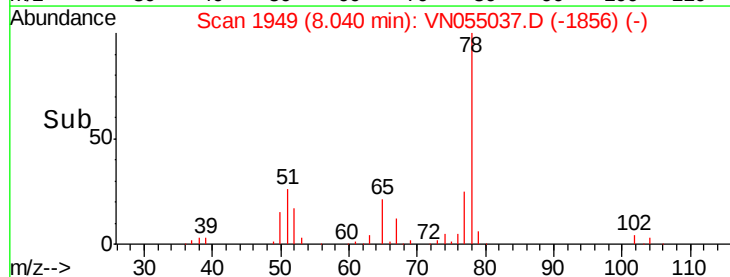
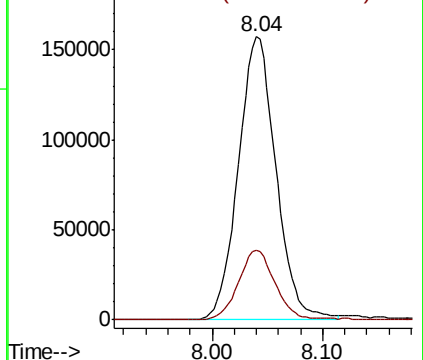


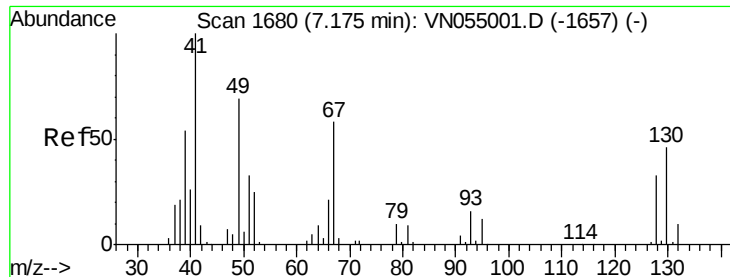
#40
Benzene
Concen: 20.039 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

Tgt Ion: 78 Resp: 372163
Ion Ratio Lower Upper
78 100
77 24.8 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

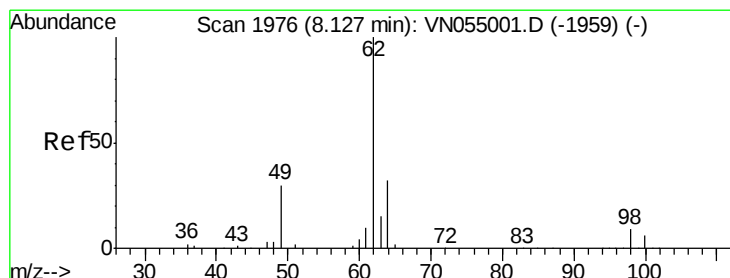
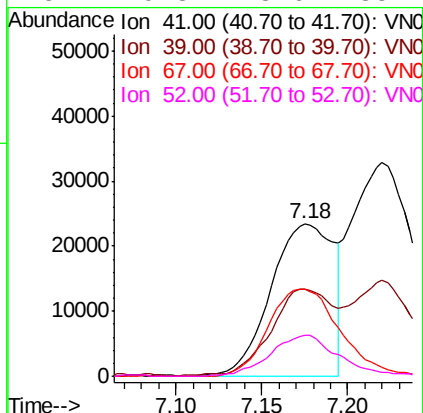
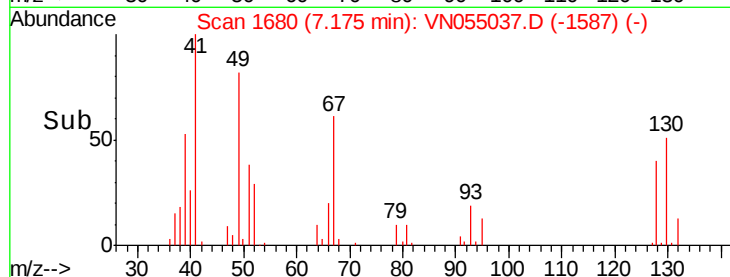
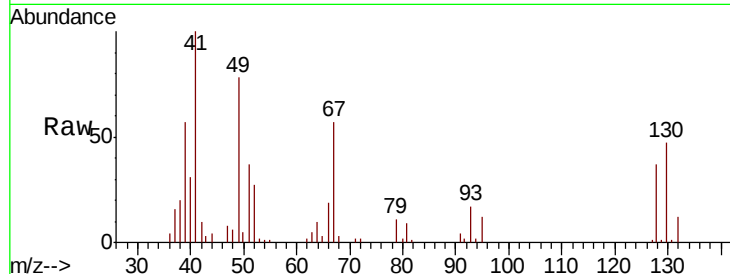




#41
Methacrylonitrile
Concen: 20.958 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

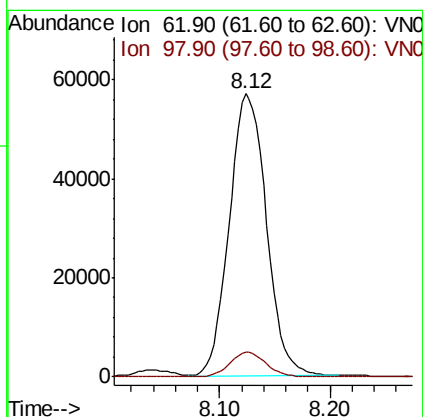
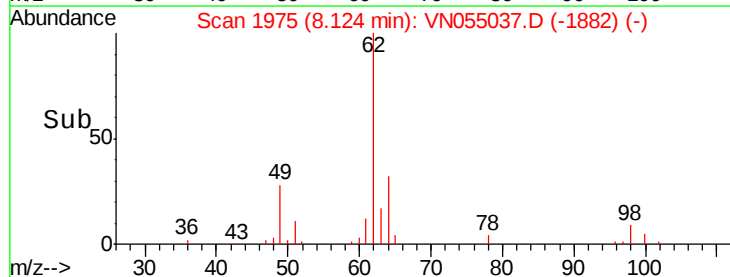
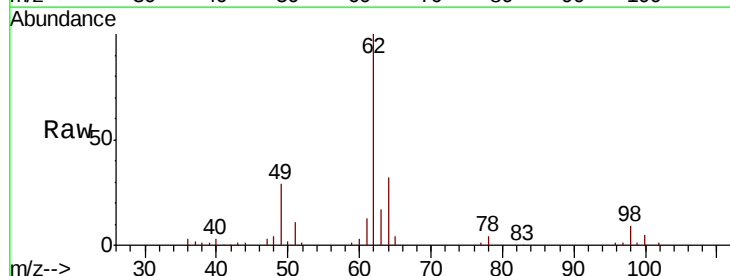
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

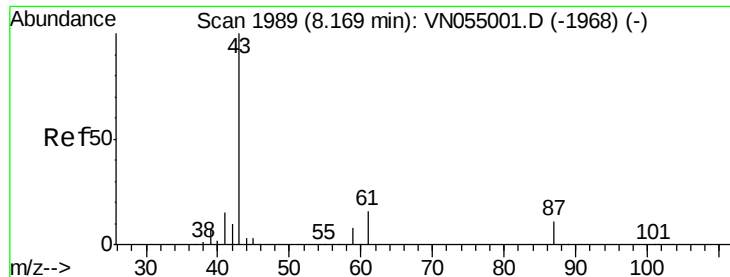
Tgt Ion:	41	Resp:	59471
Ion	Ratio	Lower	Upper
41	100		
39	55.9	45.6	68.4
67	65.6	57.0	85.6
52	29.8	23.6	35.4



#42
1,2-Dichloroethane
Concen: 20.339 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

Tgt Ion:	62	Resp:	132883
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.4





#43

Isopropyl Acetate

Concen: 20.004 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

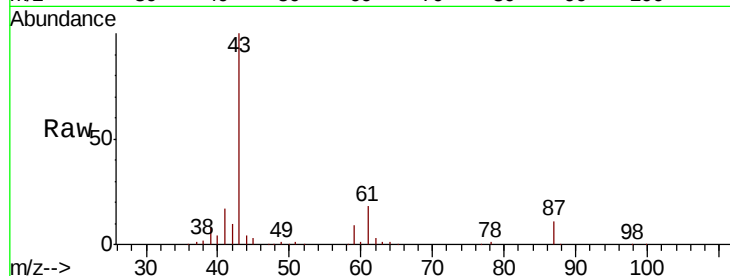
Tgt Ion: 43 Resp: 157741

Ion Ratio Lower Upper

43 100

61 17.0 14.3 21.5

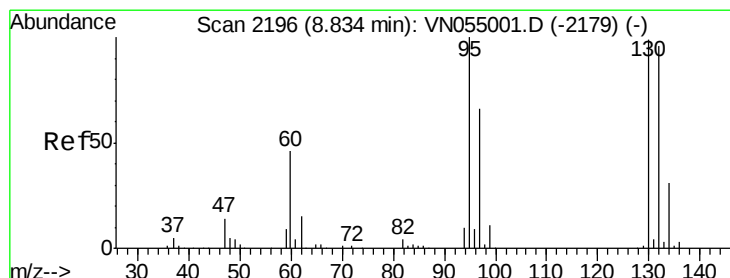
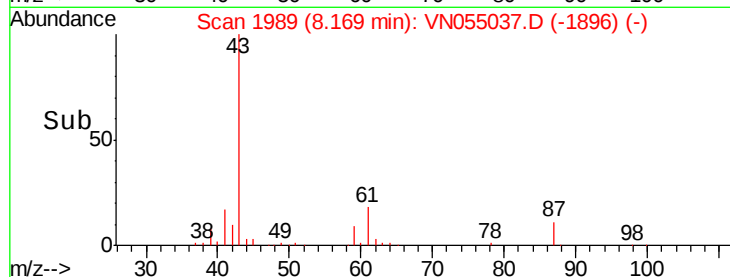
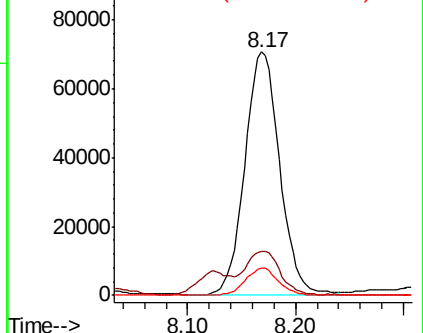
87 10.7 8.6 13.0



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: 19.958 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055037.D

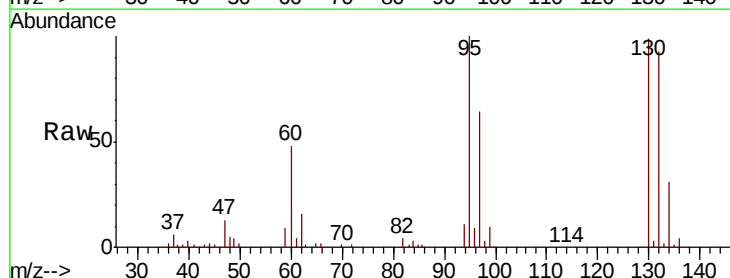
Acq: 15 Apr 2019 10:42

Tgt Ion: 130 Resp: 94724

Ion Ratio Lower Upper

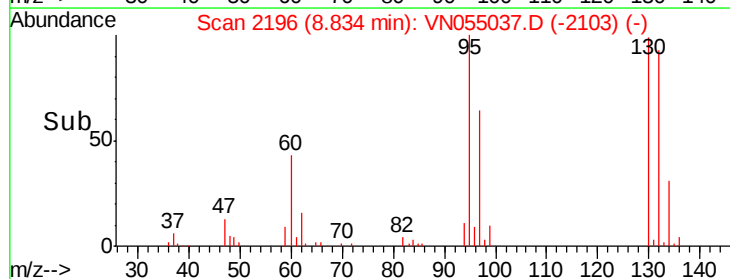
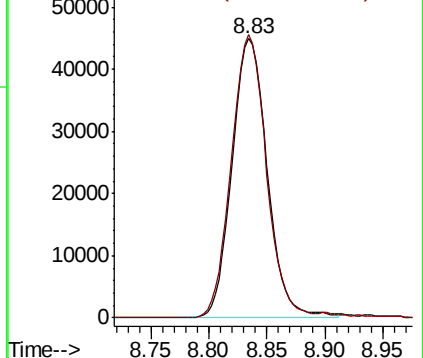
130 100

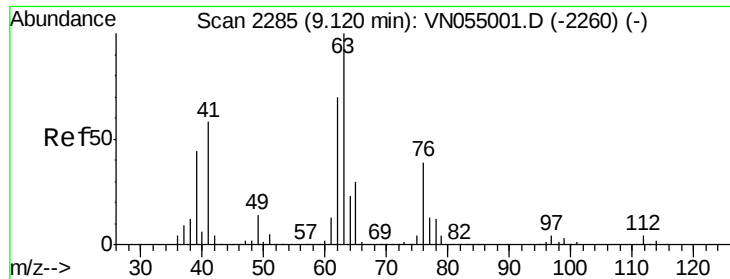
95 101.3 0.0 201.6



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

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

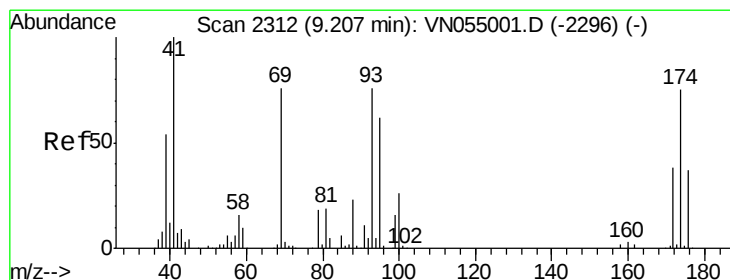
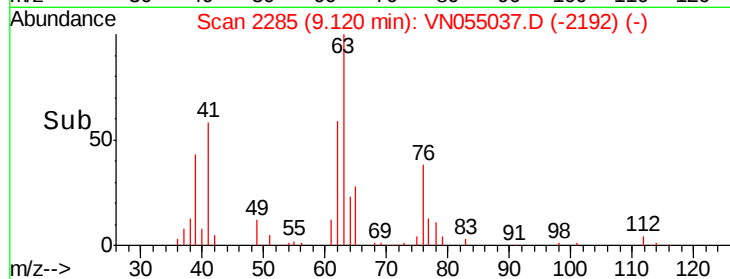
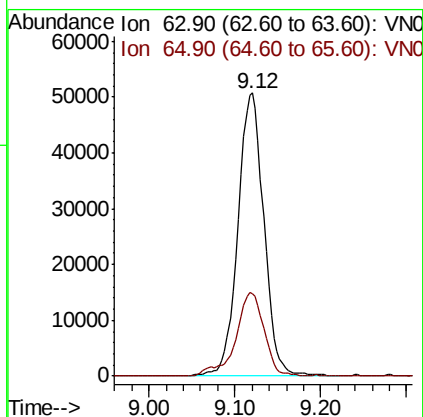
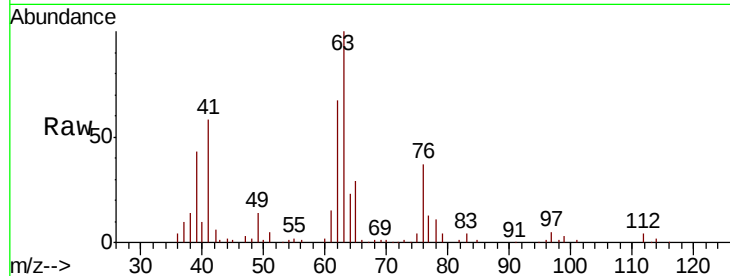




#45
 1,2-Dichloropropane
 Concen: 20.320 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055037.D
 Acq: 15 Apr 2019 10:42

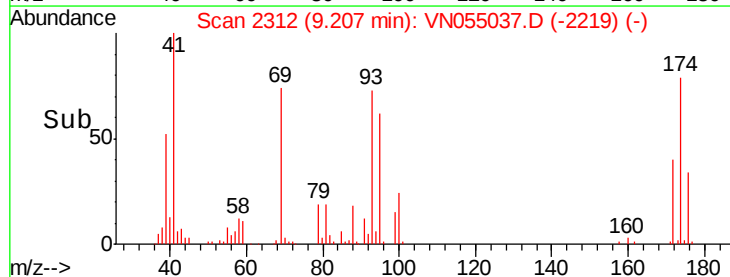
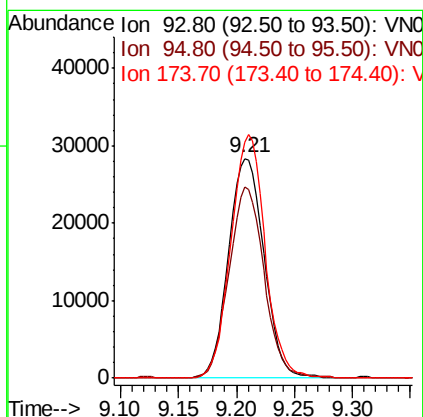
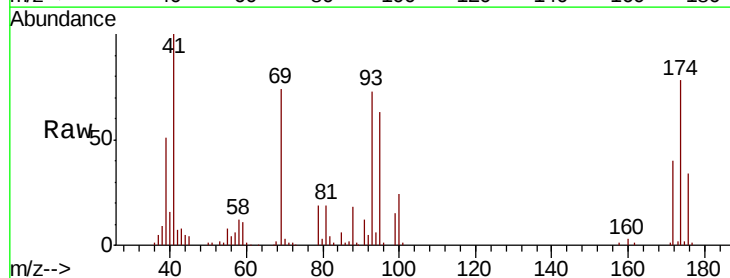
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

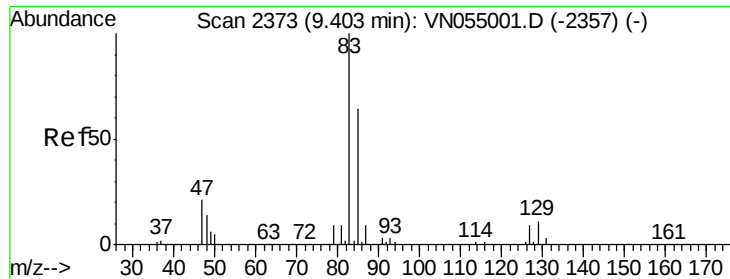
Tgt Ion: 63 Resp: 106494
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.4 36.6



#46
 Dibromomethane
 Concen: 20.108 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055037.D
 Acq: 15 Apr 2019 10:42

Tgt Ion: 93 Resp: 60386
 Ion Ratio Lower Upper
 93 100
 95 85.8 65.0 97.6
 174 106.3 81.0 121.6





#47

Bromodichloromethane

Concen: 19.979 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

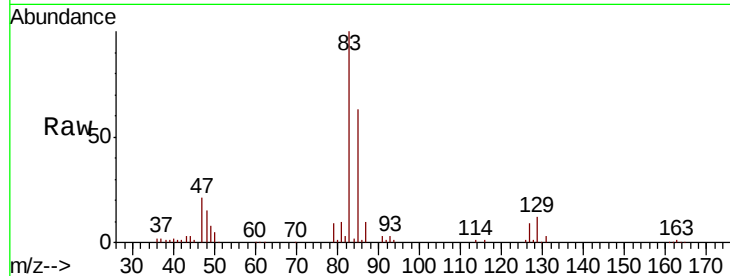
Tgt Ion: 83 Resp: 122008

Ion Ratio Lower Upper

83 100

85 63.1 51.2 76.8

127 9.0 6.8 10.2

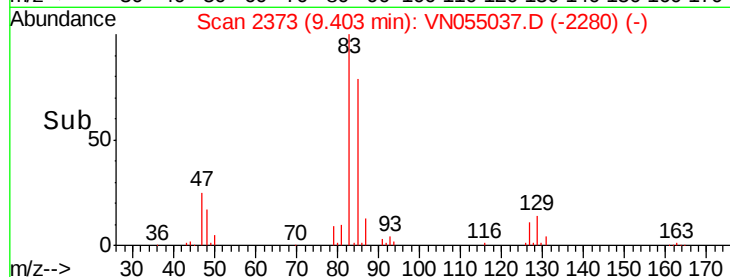


Abundance Ion 82.90 (82.60 to 83.60): VN055001.D (-2357) (-)

Ion 84.90 (84.60 to 85.60): VN055001.D (-2357) (-)

Ion 126.80 (126.50 to 127.50): VN055001.D (-2357) (-)

Time-->

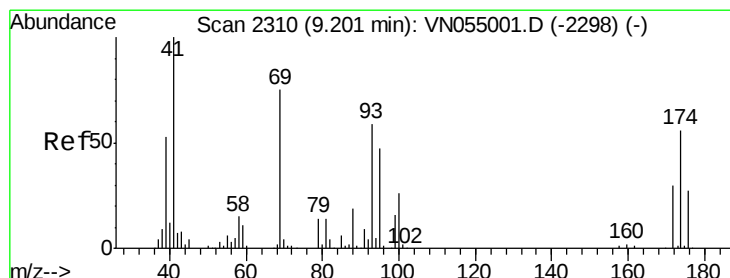


Abundance Ion 82.90 (82.60 to 83.60): VN055037.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055037.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055037.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 19.156 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

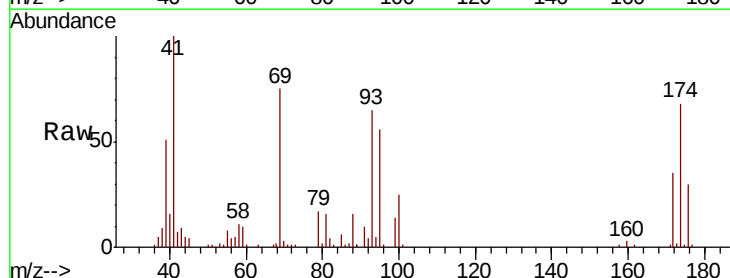
Tgt Ion: 41 Resp: 77813

Ion Ratio Lower Upper

41 100

69 76.8 60.5 90.7

39 54.6 43.9 65.9

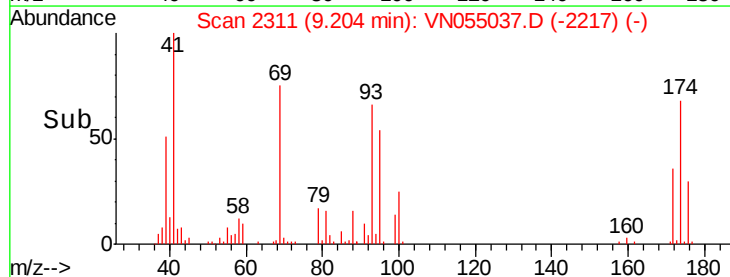


Abundance Ion 41.00 (40.70 to 41.70): VN055001.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN055001.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN055001.D (-2298) (-)

Time-->

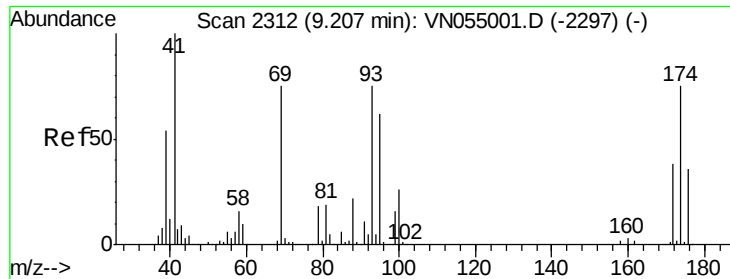


Abundance Ion 41.00 (40.70 to 41.70): VN055037.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055037.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055037.D (-2217) (-)

Time-->



#49

1,4-Dioxane

Concen: 331.894 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

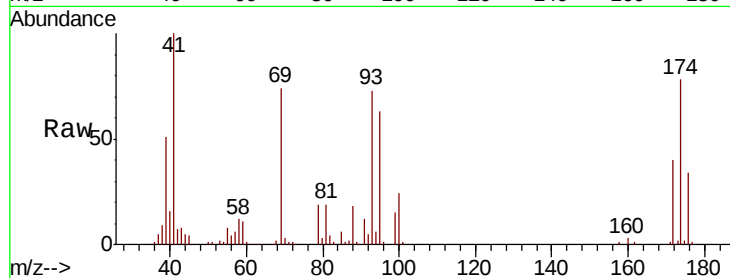
Tgt Ion: 88 Resp: 14499

Ion Ratio Lower Upper

88 100

43 42.0 31.8 47.8

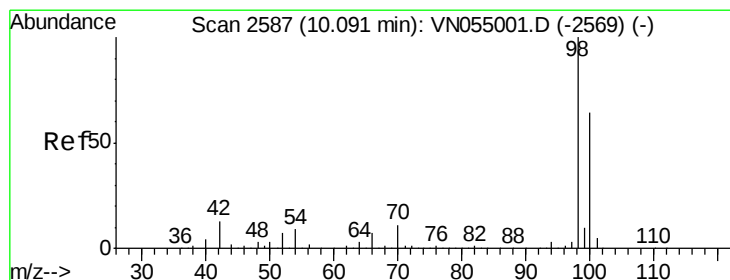
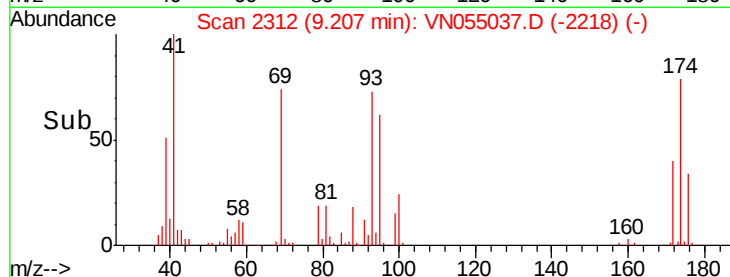
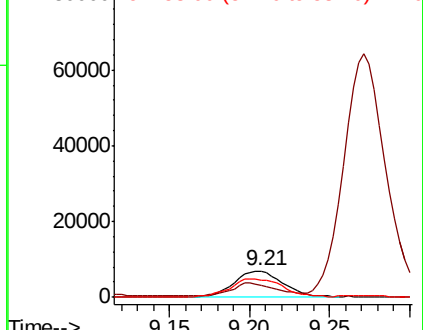
58 75.4 61.6 92.4



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: 20.833 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055037.D

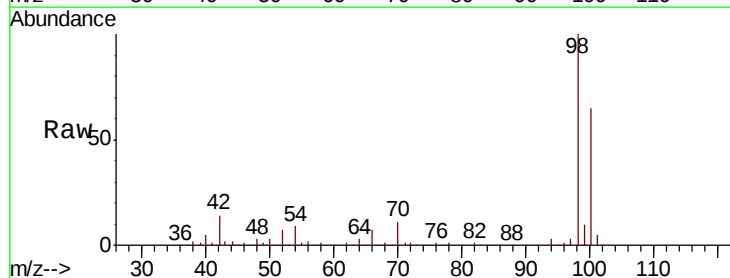
Acq: 15 Apr 2019 10:42

Tgt Ion: 98 Resp: 324202

Ion Ratio Lower Upper

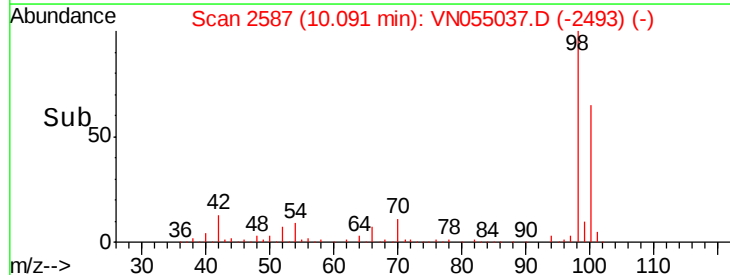
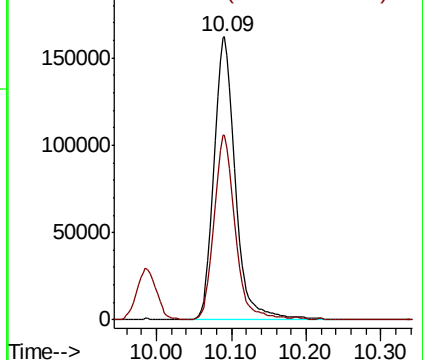
98 100

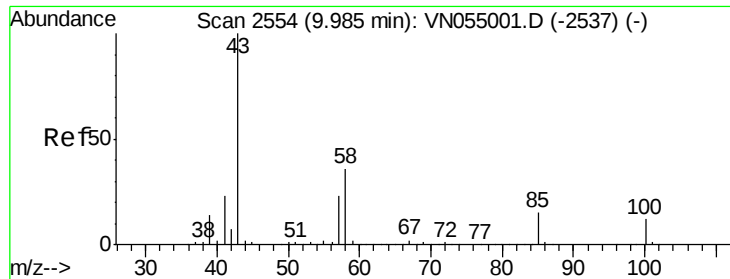
100 63.1 51.1 76.7



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

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

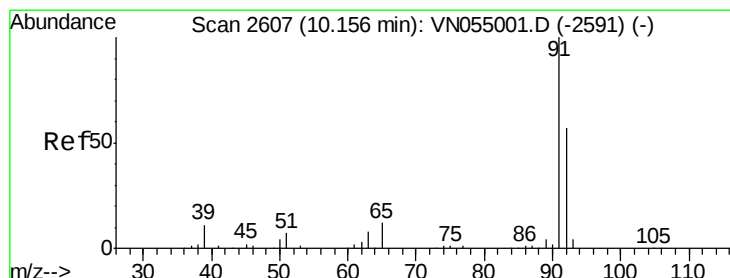
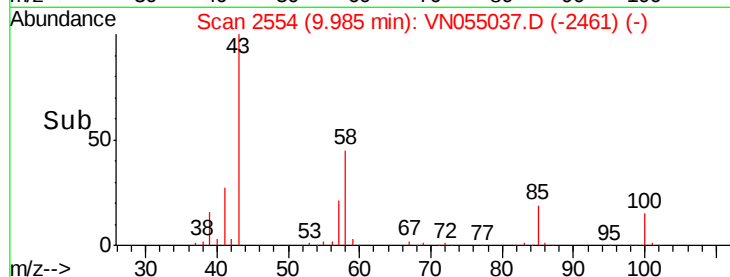
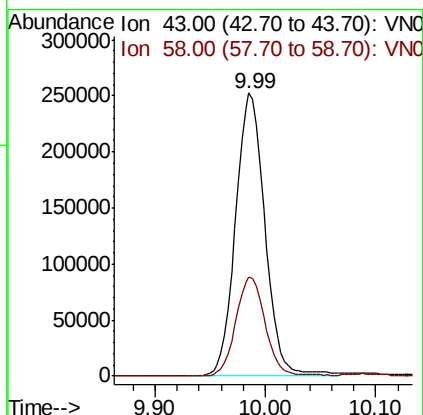
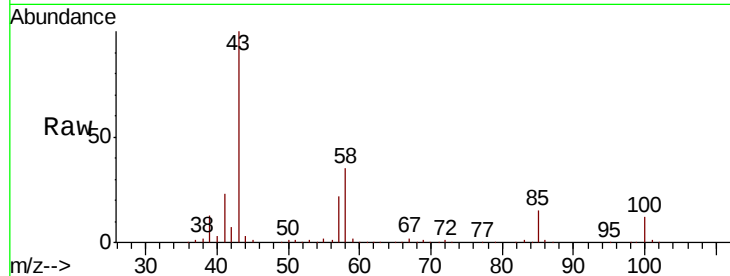




#51
 4-Methyl-2-Pentanone
 Concen: 100.877 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN055037.D
 Acq: 15 Apr 2019 10:42

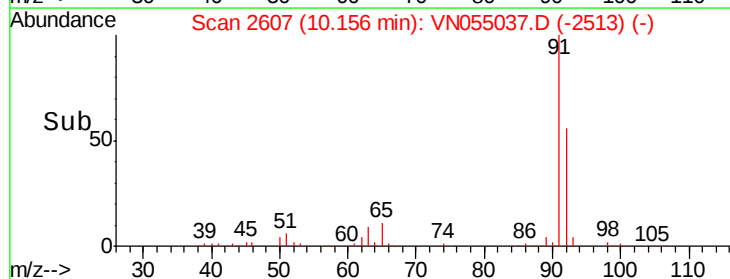
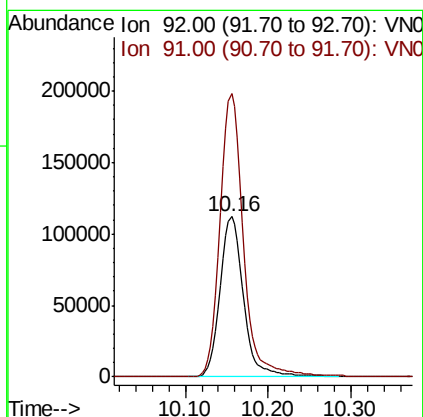
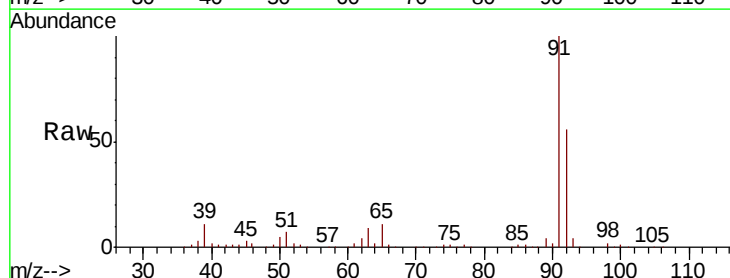
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

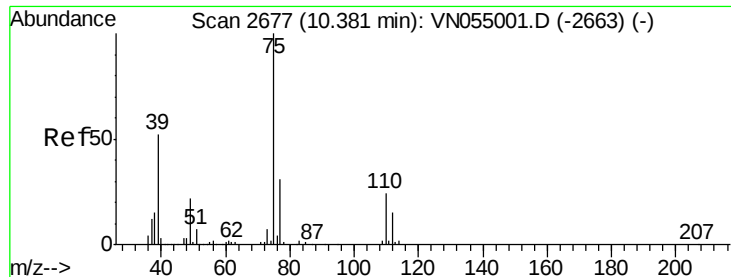
Tgt Ion: 43 Resp: 465758
 Ion Ratio Lower Upper
 43 100
 58 35.3 29.0 43.4



#52
 Toluene
 Concen: 20.075 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN055037.D
 Acq: 15 Apr 2019 10:42

Tgt Ion: 92 Resp: 220501
 Ion Ratio Lower Upper
 92 100
 91 176.1 140.8 211.2





#53

t-1,3-Dichloropropene

Concen: 19.204 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

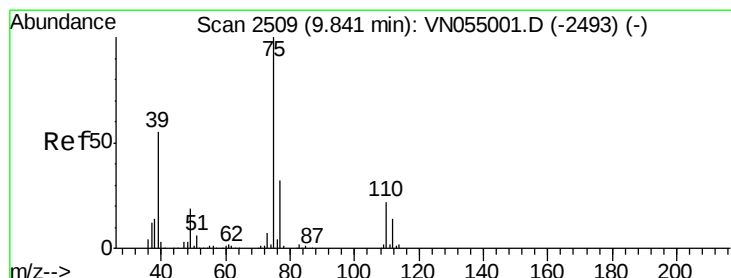
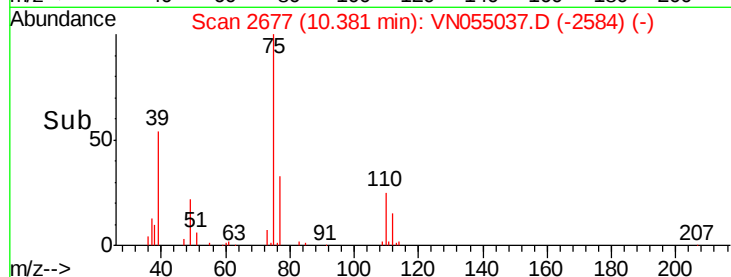
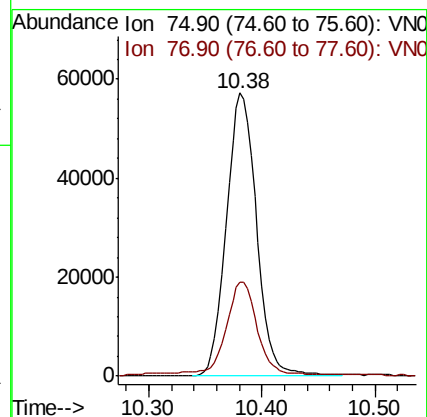
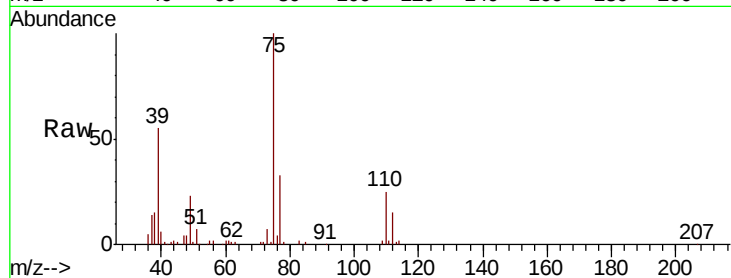
VSTDIC020

Tgt Ion: 75 Resp: 106194

Ion Ratio Lower Upper

75 100

77 32.8 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 19.863 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

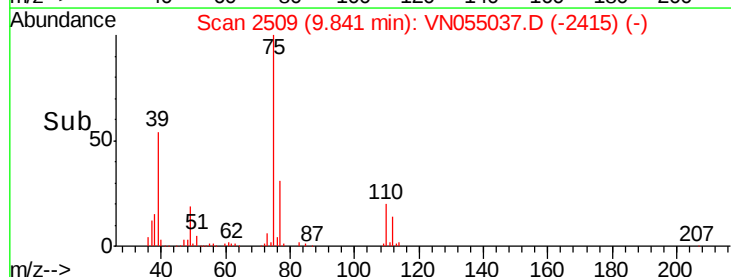
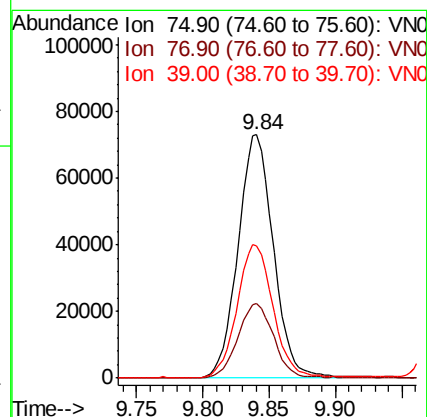
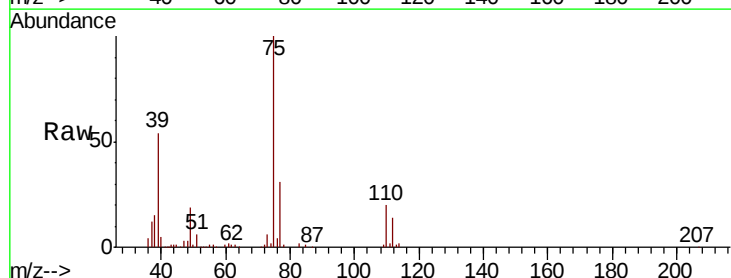
Tgt Ion: 75 Resp: 135303

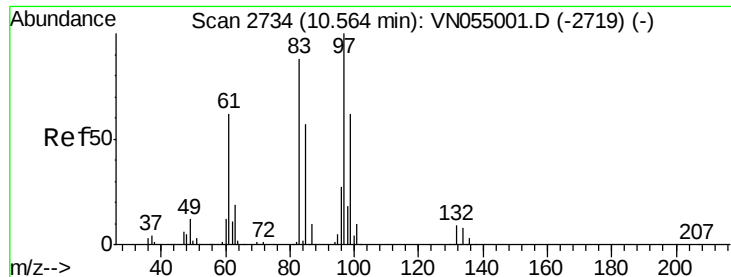
Ion Ratio Lower Upper

75 100

77 30.7 25.8 38.6

39 54.2 43.8 65.8





#55

1,1,2-Trichloroethane

Concen: 20.144 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tgt Ion: 97 Resp: 82422

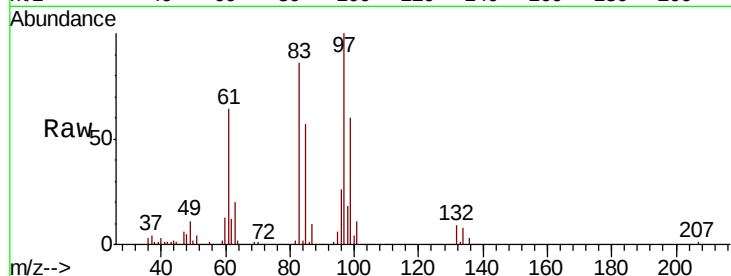
Ion Ratio Lower Upper

97 100

83 85.9 70.5 105.7

85 57.2 45.5 68.3

99 59.9 49.4 74.0

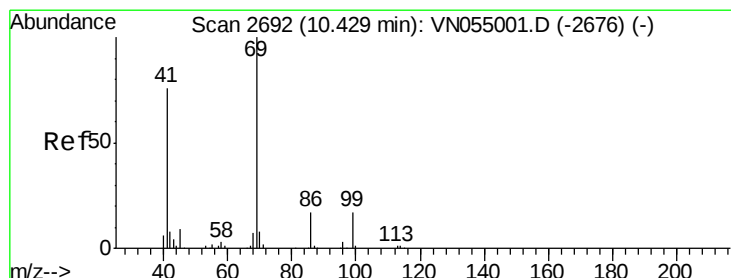
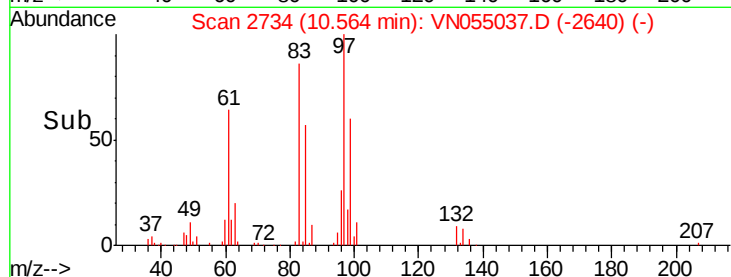
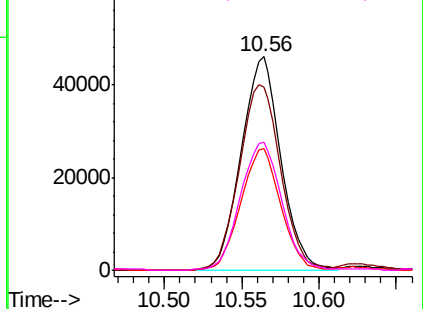


Abundance Ion 96.90 (96.60 to 97.60): VNO

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: 18.569 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

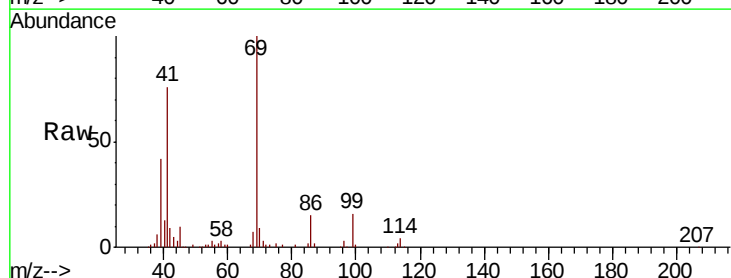
Tgt Ion: 69 Resp: 97764

Ion Ratio Lower Upper

69 100

41 73.7 61.4 92.0

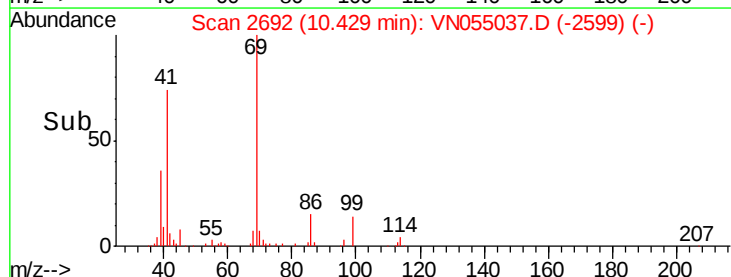
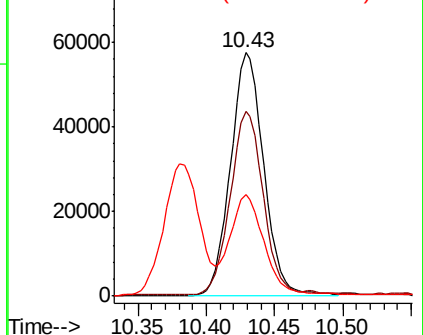
39 41.0 30.8 46.2

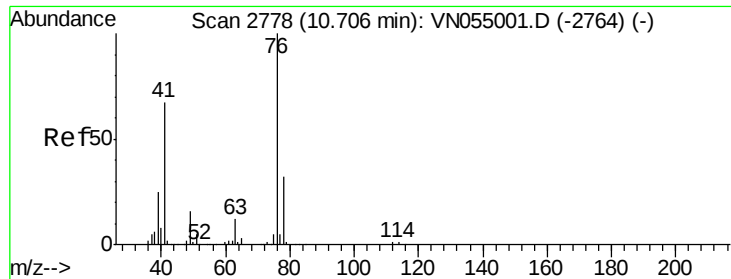


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

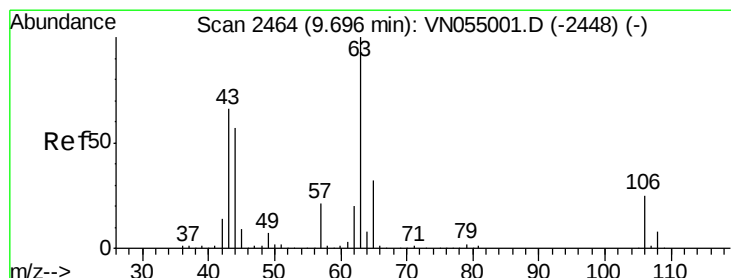
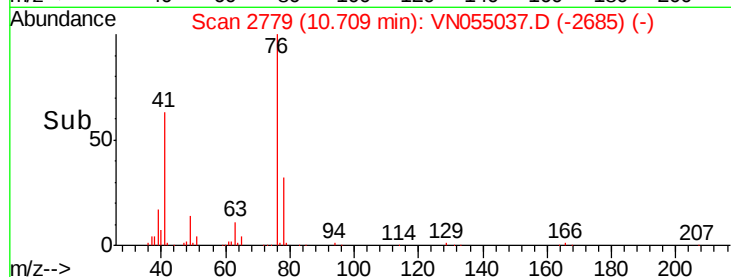
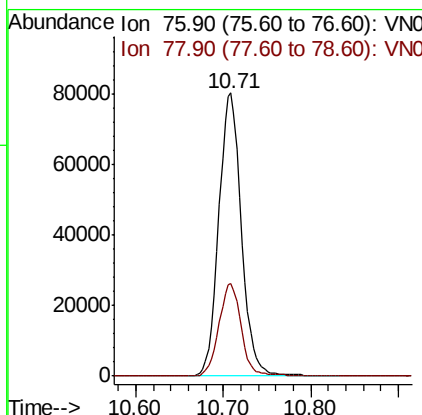
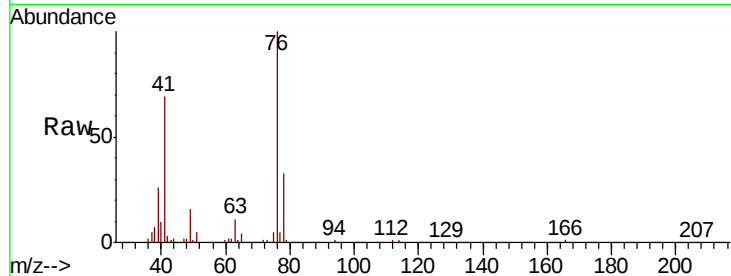




#57
 1,3-Dichloropropane
 Concen: 20.446 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055037.D
 Acq: 15 Apr 2019 10:42

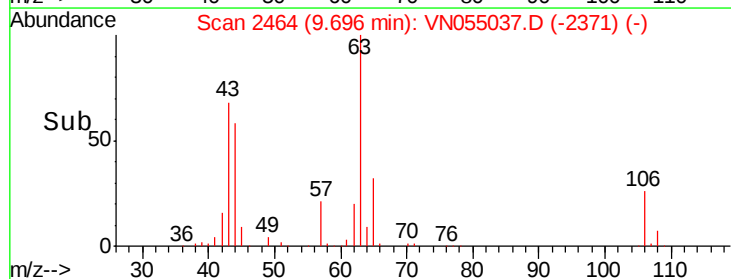
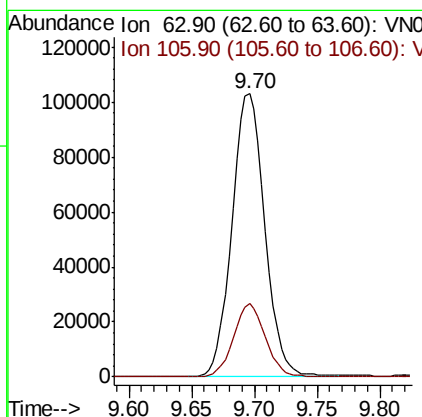
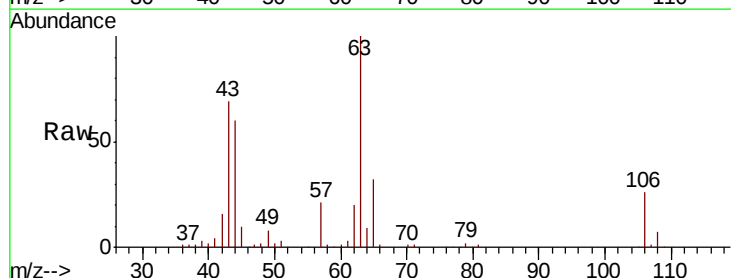
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

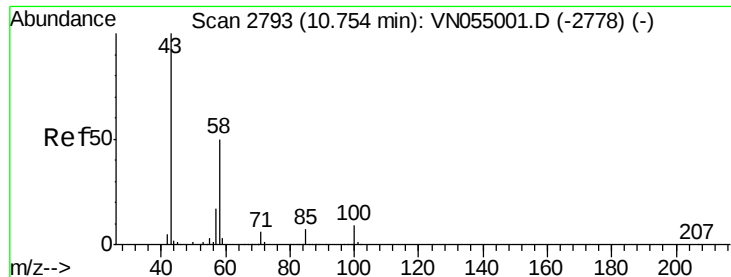
Tgt Ion: 76 Resp: 144317
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.144 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055037.D
 Acq: 15 Apr 2019 10:42

Tgt Ion: 63 Resp: 187760
 Ion Ratio Lower Upper
 63 100
 106 25.0 20.0 30.0

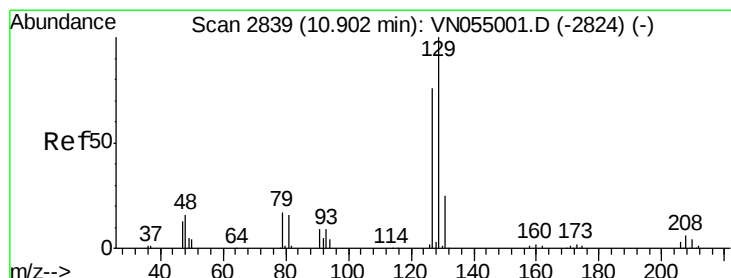
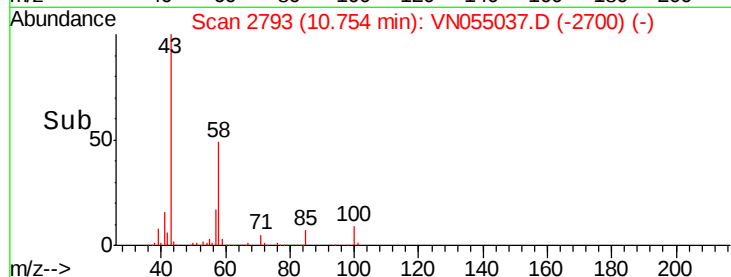
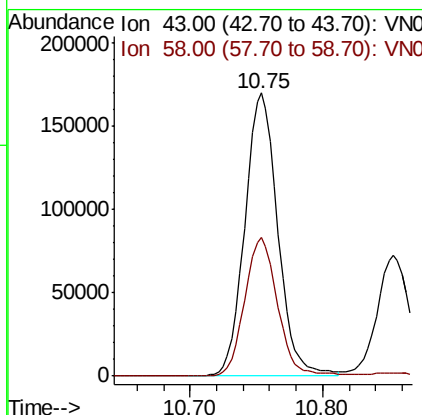
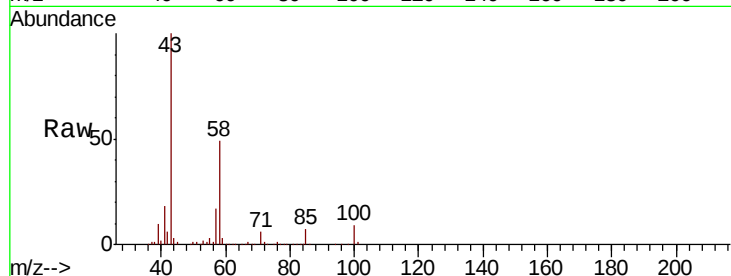




#59
2-Hexanone
Concen: 101.347 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

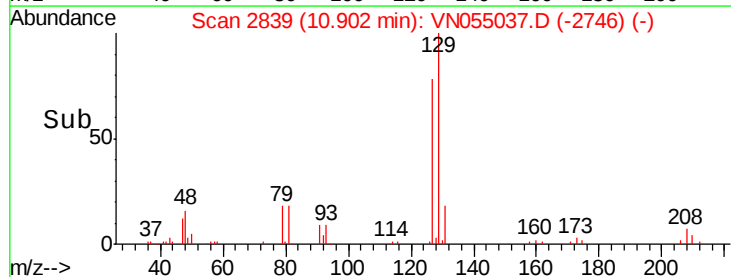
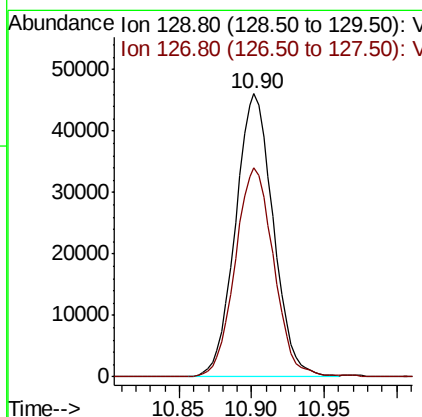
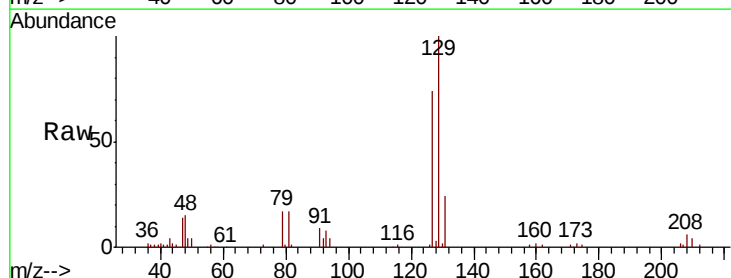
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

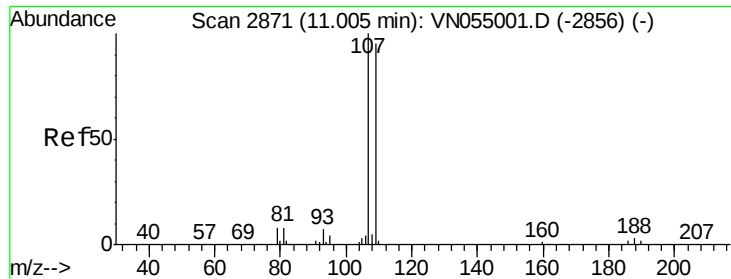
Tgt Ion: 43 Resp: 292406
Ion Ratio Lower Upper
43 100
58 49.3 25.1 75.2



#60
Dibromochloromethane
Concen: 20.501 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

Tgt Ion: 129 Resp: 83494
Ion Ratio Lower Upper
129 100
127 75.4 38.2 114.6





#61

1,2-Dibromoethane

Concen: 19.751 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

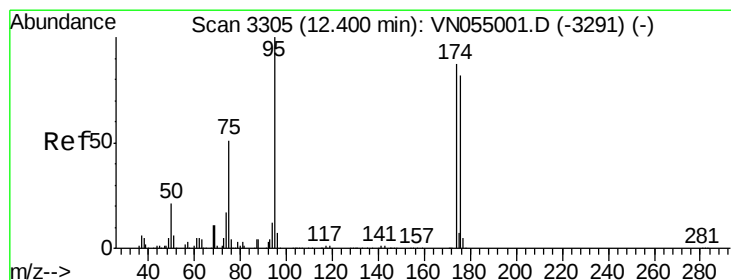
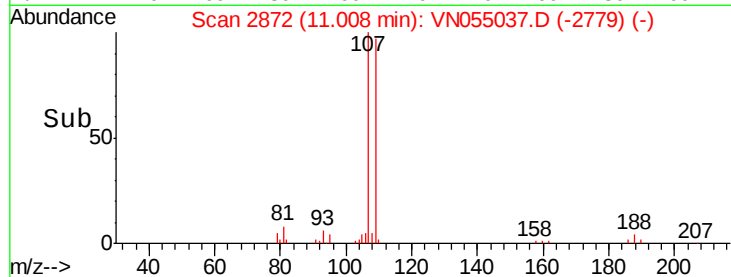
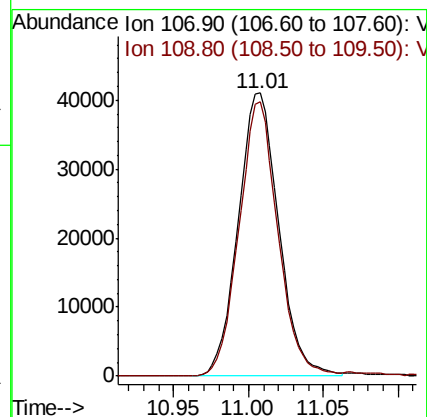
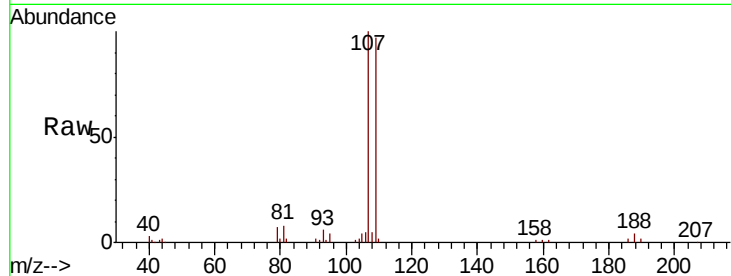
VSTDIC020

Tgt Ion: 107 Resp: 77373

Ion Ratio Lower Upper

107 100

109 93.0 76.5 114.7



#62

4-Bromofluorobenzene

Concen: 19.983 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

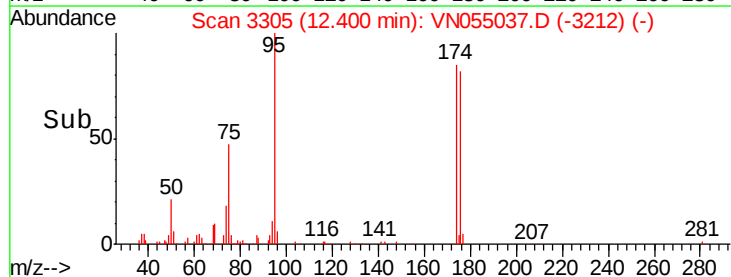
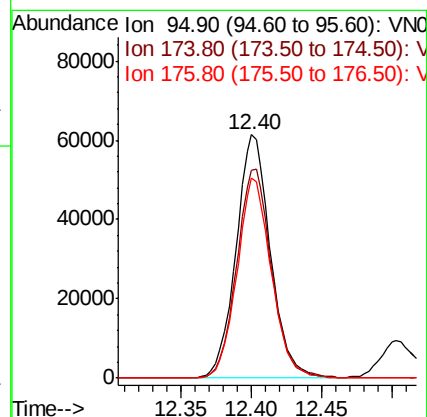
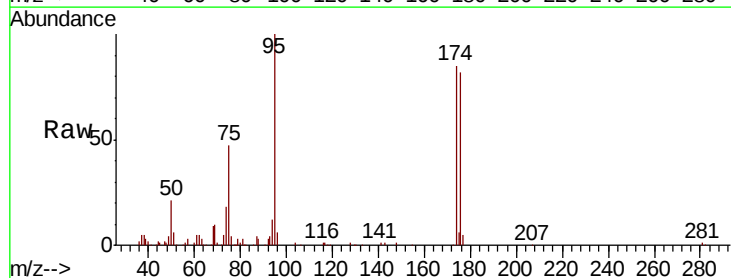
Tgt Ion: 95 Resp: 104751

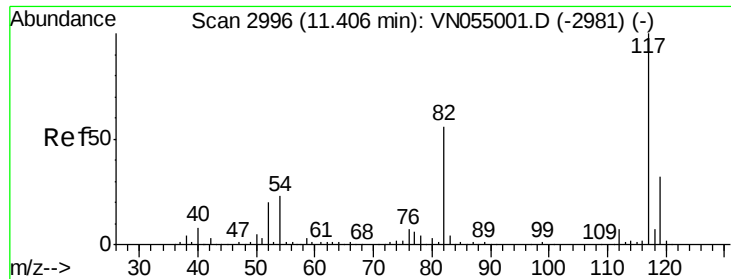
Ion Ratio Lower Upper

95 100

174 87.2 0.0 174.4

176 81.8 0.0 166.8

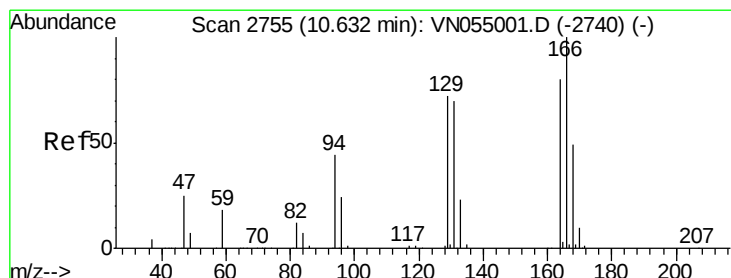
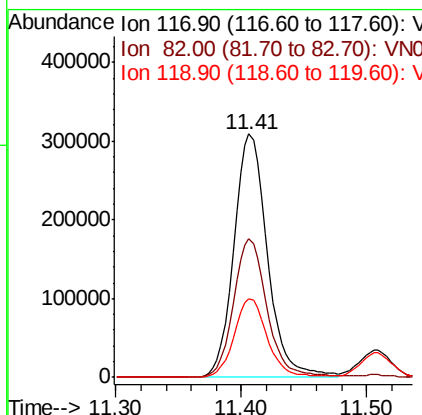
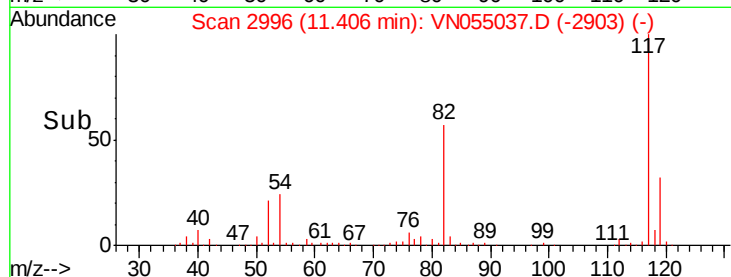
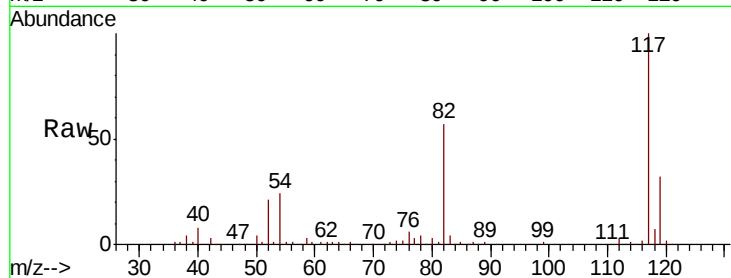




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

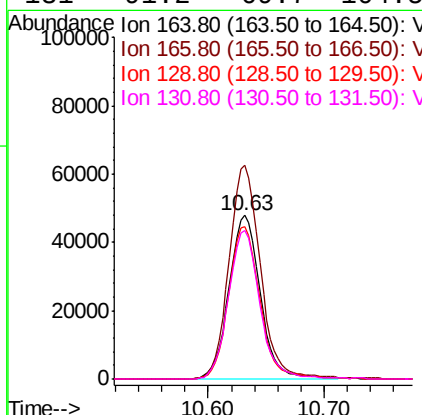
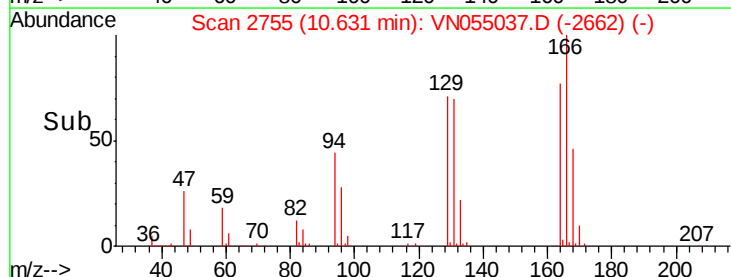
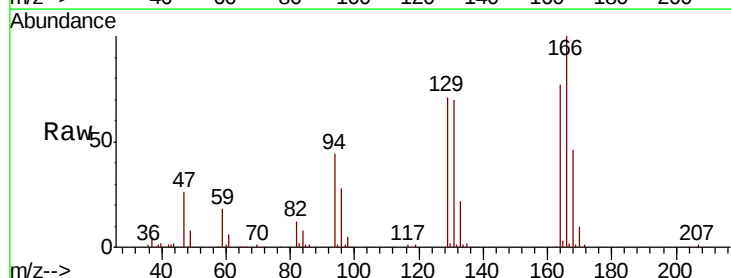
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

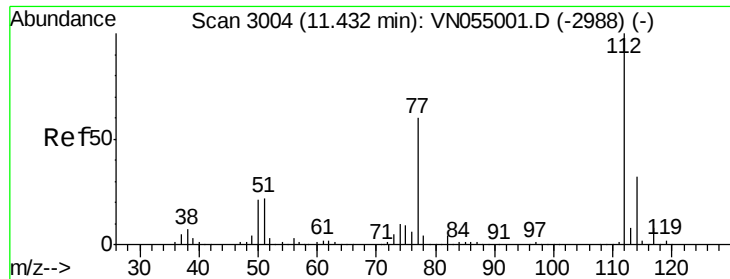
Tgt Ion:117 Resp: 573703
Ion Ratio Lower Upper
117 100
82 56.9 44.6 66.8
119 32.4 25.5 38.3



#64
Tetrachloroethene
Concen: 20.028 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

Tgt Ion:164 Resp: 89878
Ion Ratio Lower Upper
164 100
166 130.6 100.0 150.0
129 93.3 72.0 108.0
131 91.2 69.7 104.5

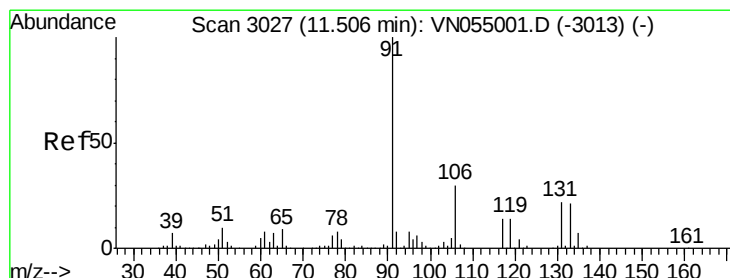
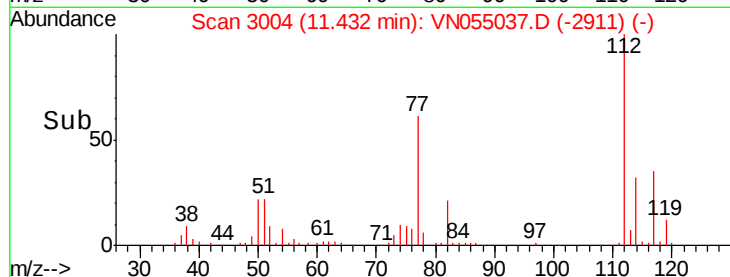
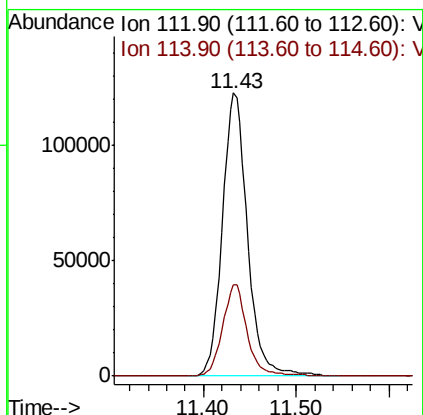
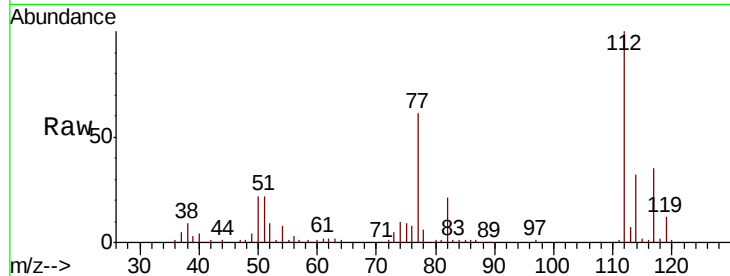




#65
Chlorobenzene
Concen: 20.799 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

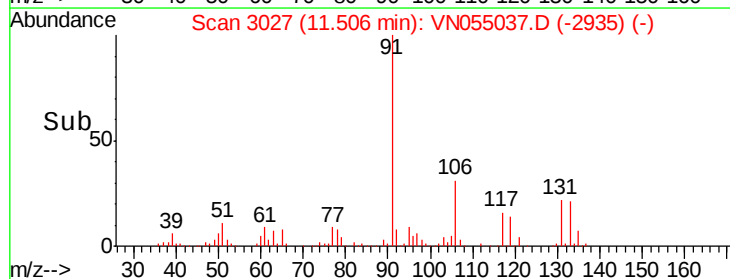
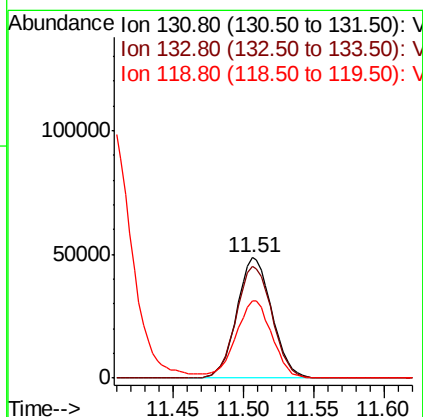
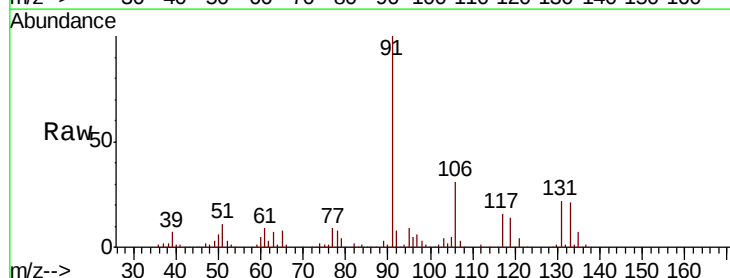
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

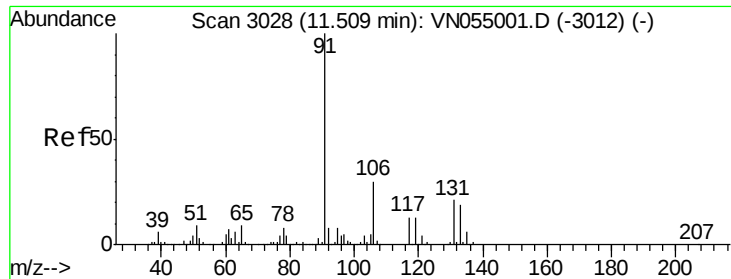
Tgt Ion:112 Resp: 230084
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.780 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

Tgt Ion:131 Resp: 84713
Ion Ratio Lower Upper
131 100
133 95.0 47.8 143.3
119 65.8 33.6 100.6

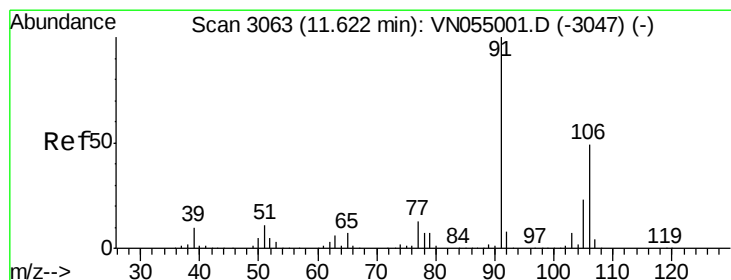
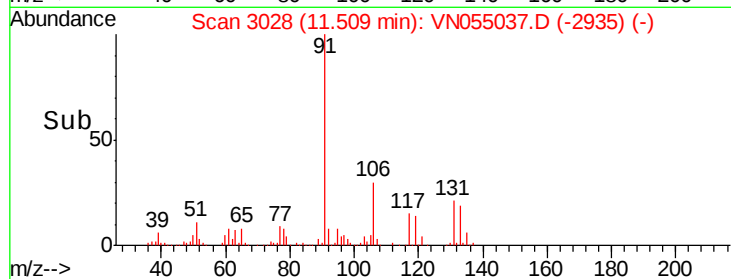
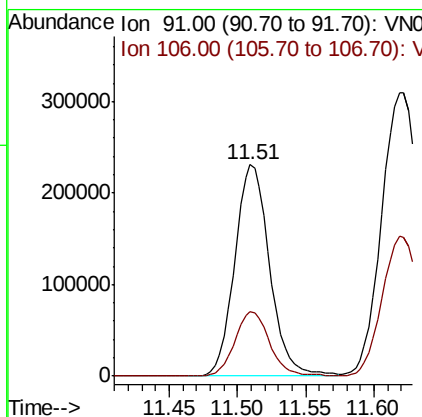
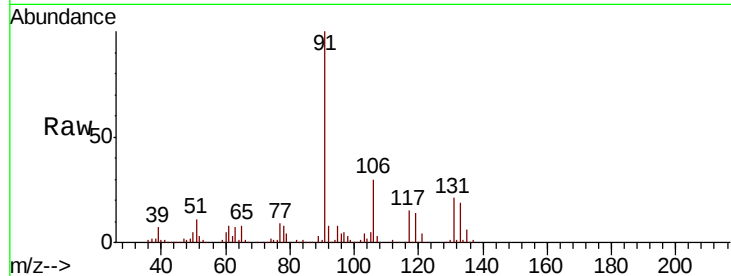




#67
Ethyl Benzene
Concen: 20.222 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

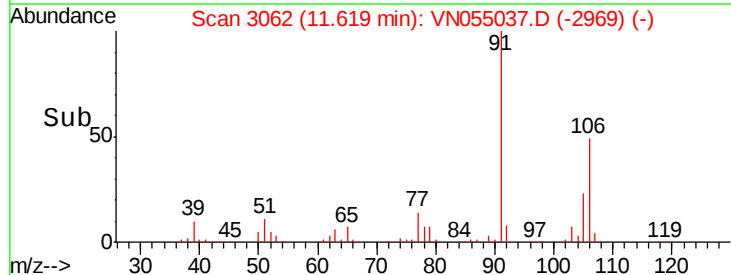
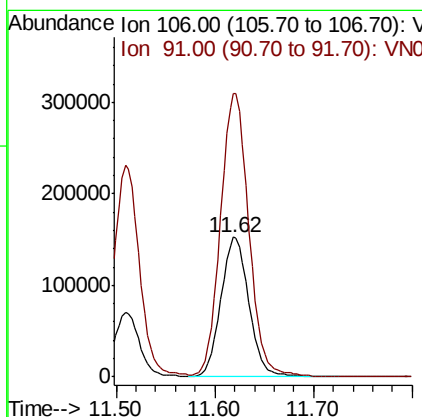
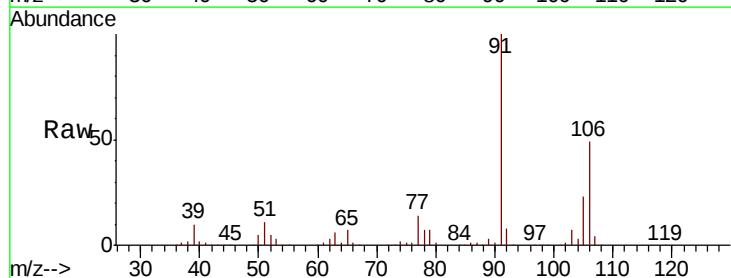
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

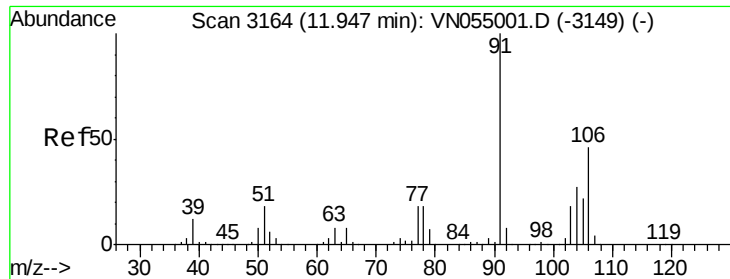
Tgt Ion: 91 Resp: 410897
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5



#68
m/p-Xylenes
Concen: 41.091 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

Tgt Ion: 106 Resp: 305479
Ion Ratio Lower Upper
106 100
91 204.5 165.9 248.9

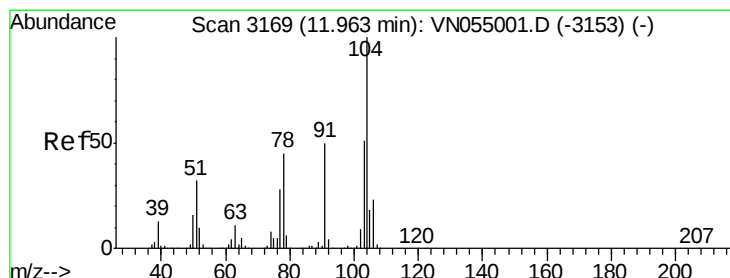
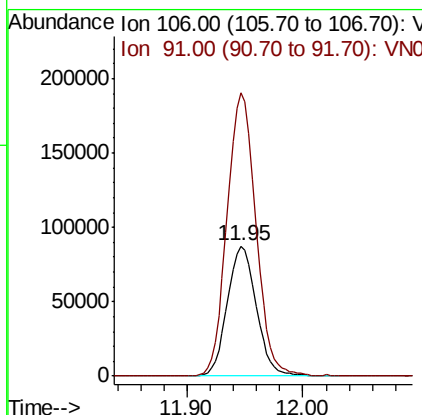
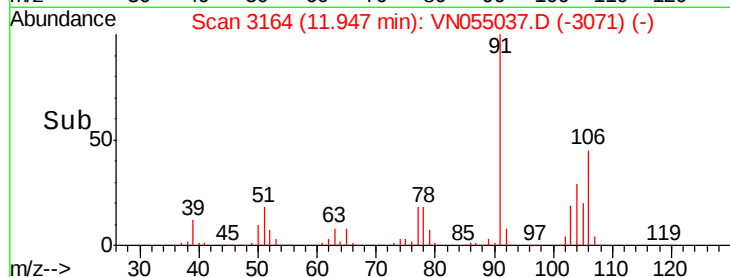
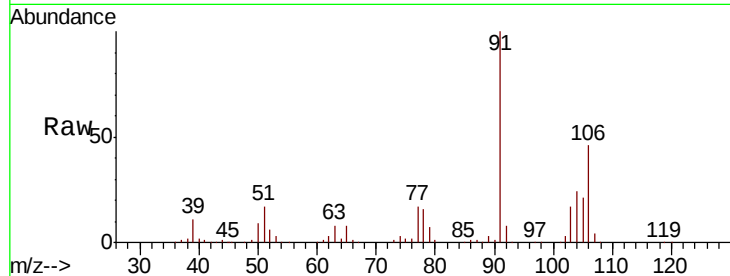




#69
o-Xylene
Concen: 20.528 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

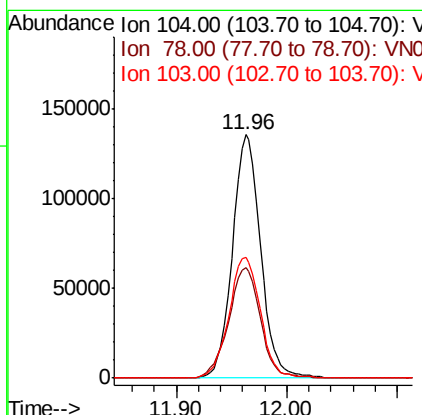
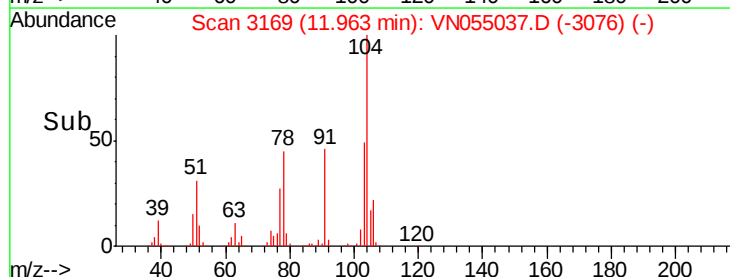
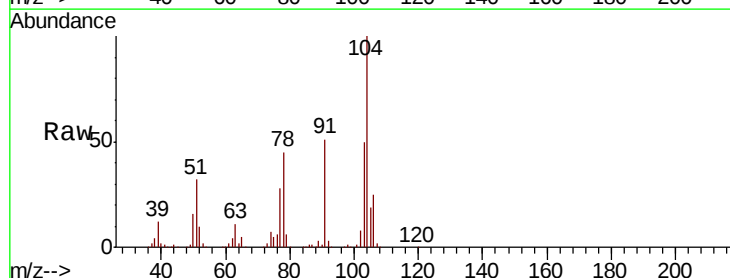
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

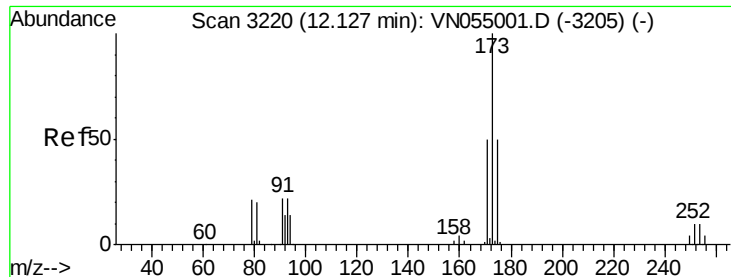
Tgt Ion:106 Resp: 150994
Ion Ratio Lower Upper
106 100
91 216.3 109.9 329.8



#70
Styrene
Concen: 20.677 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

Tgt Ion:104 Resp: 241156
Ion Ratio Lower Upper
104 100
78 51.3 40.3 60.5
103 55.4 44.3 66.5

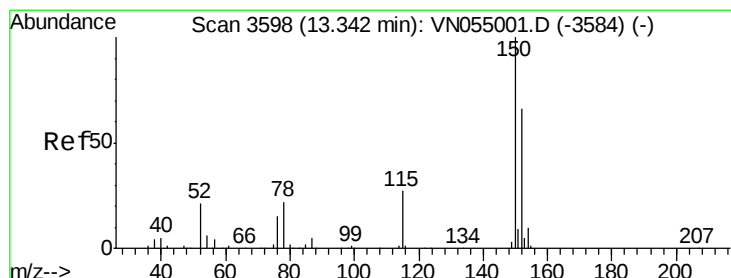
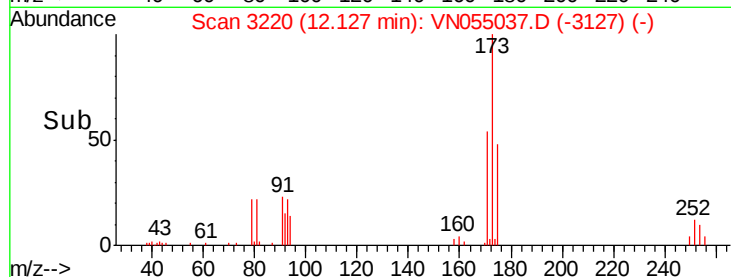
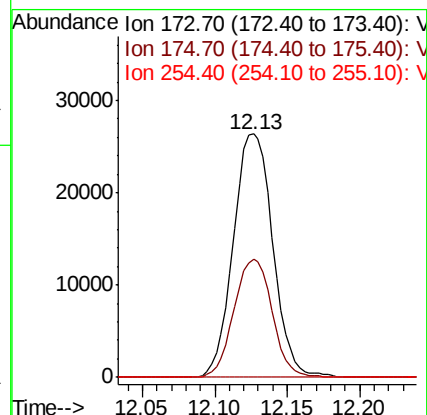
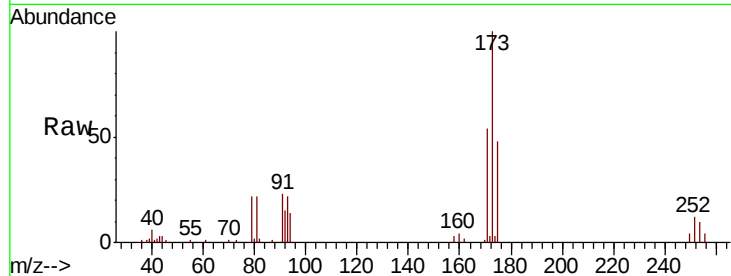




#71
Bromoform
Concen: 20.289 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

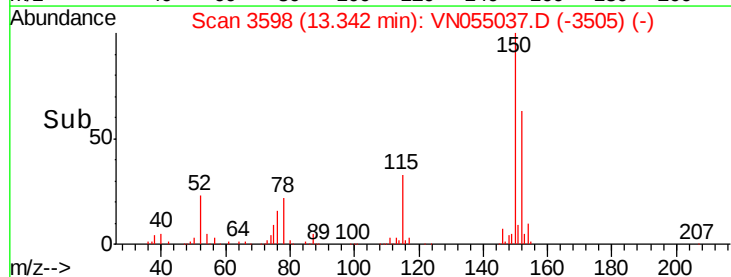
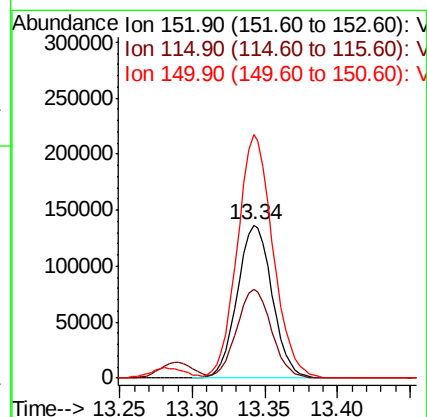
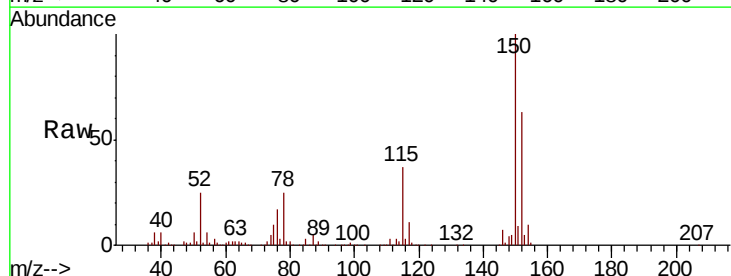
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

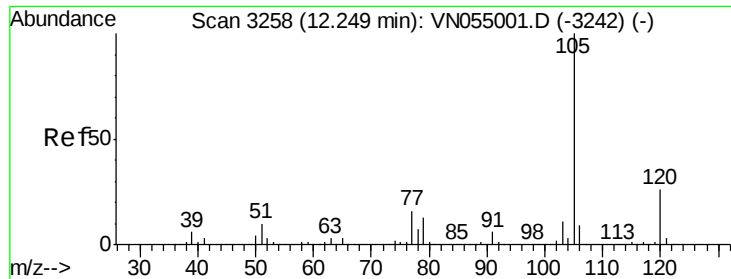
Tgt Ion:173 Resp: 49965
Ion Ratio Lower Upper
173 100
175 46.8 24.3 73.0
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

Tgt Ion:152 Resp: 228363
Ion Ratio Lower Upper
152 100
115 58.2 28.5 85.6
150 162.7 0.0 347.2





#73

Isopropylbenzene

Concen: 20.043 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampled :

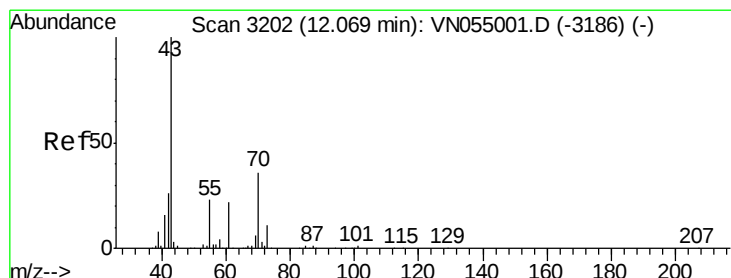
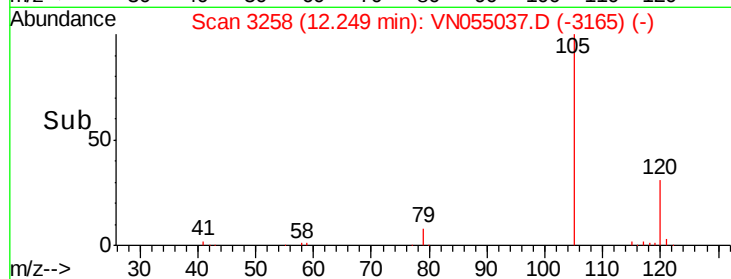
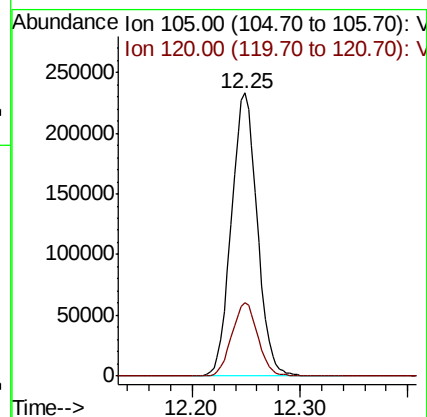
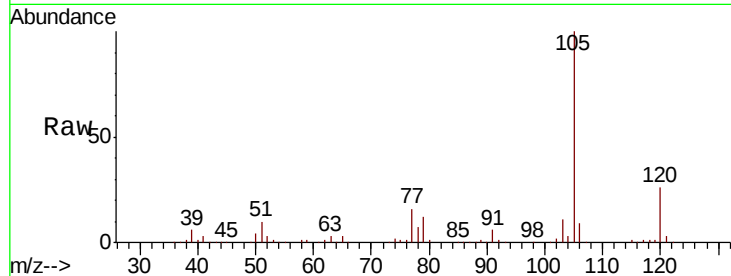
VSTDIC020

Tgt Ion: 105 Resp: 389154

Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.9



#74

N-ethyl acetate

Concen: 19.086 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Tgt Ion: 43 Resp: 111697

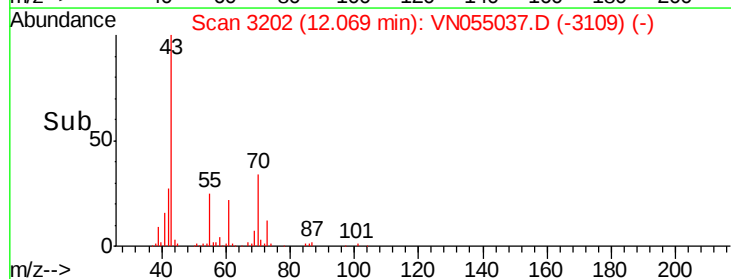
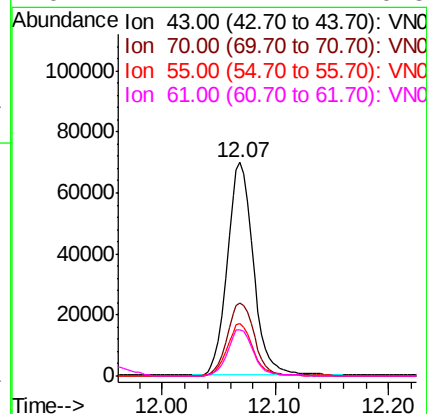
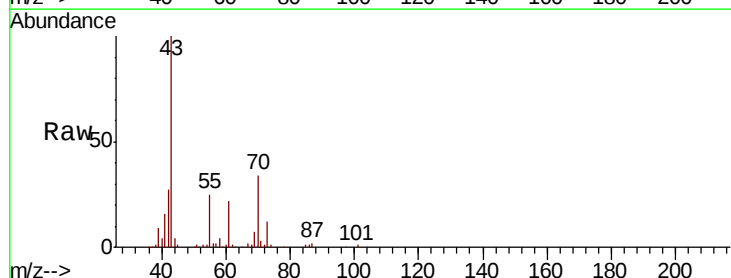
Ion Ratio Lower Upper

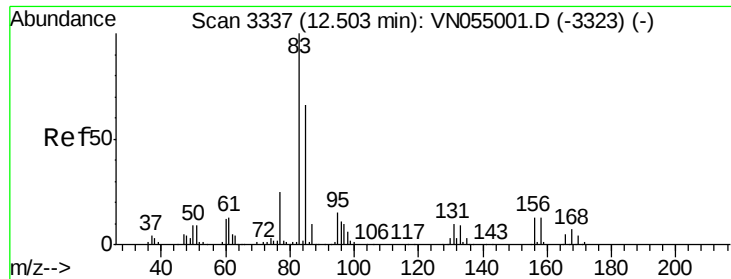
43 100

70 35.9 29.4 44.0

55 24.4 19.0 28.4

61 21.7 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.648 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

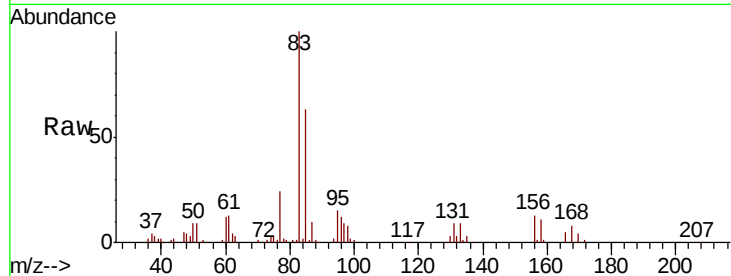
Tgt Ion: 83 Resp: 103795

Ion Ratio Lower Upper

83 100

131 9.3 5.0 15.0

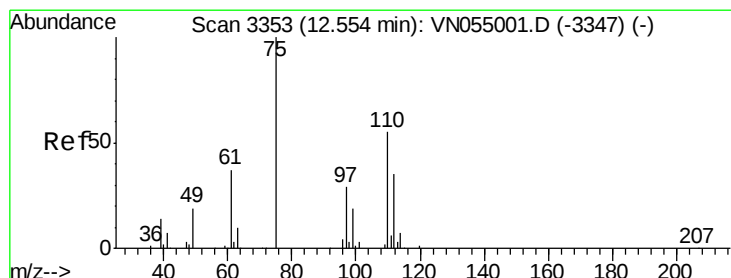
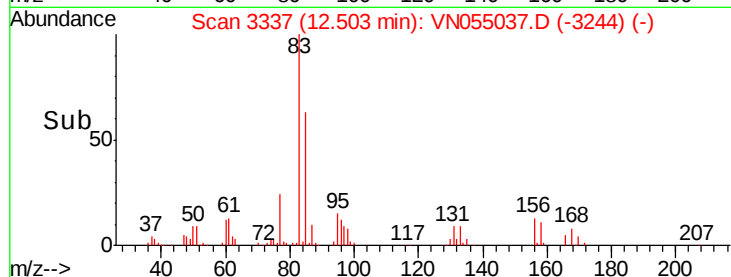
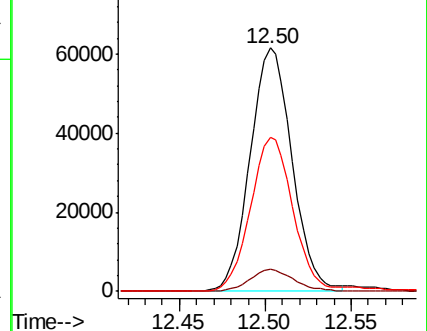
85 65.2 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.281 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055037.D

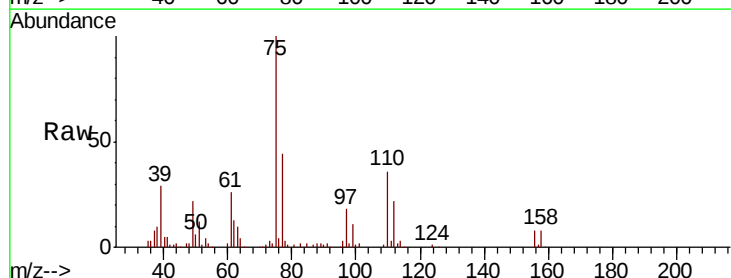
Acq: 15 Apr 2019 10:42

Tgt Ion: 75 Resp: 118817

Ion Ratio Lower Upper

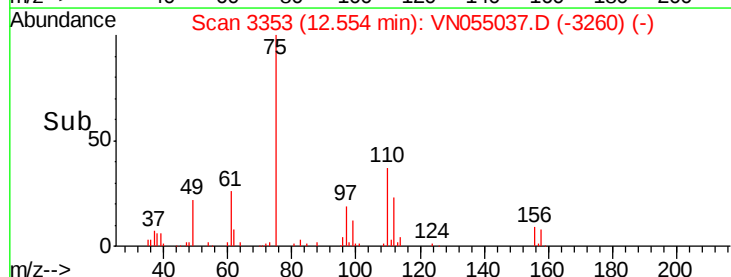
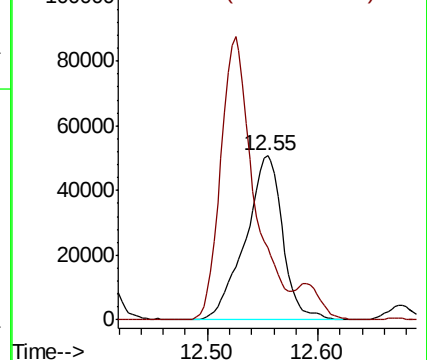
75 100

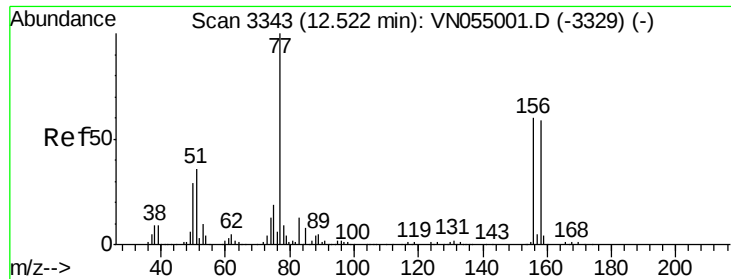
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.835 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

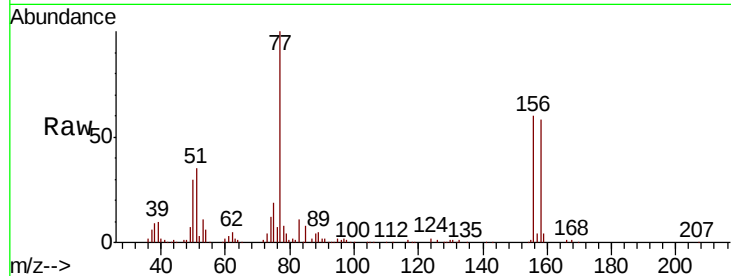
Tgt Ion:156 Resp: 94604

Ion Ratio Lower Upper

156 100

77 194.8 97.2 291.5

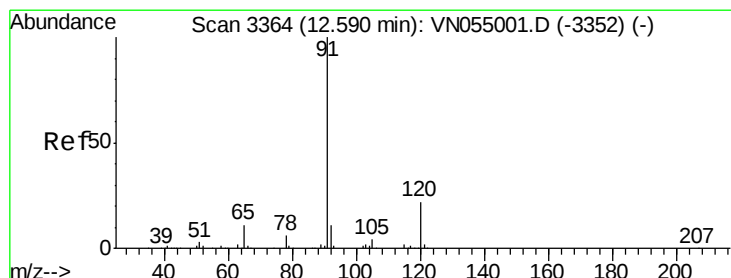
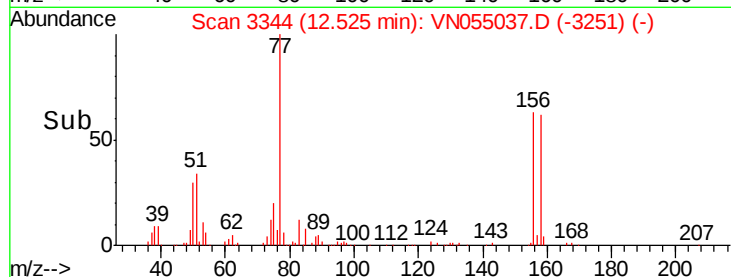
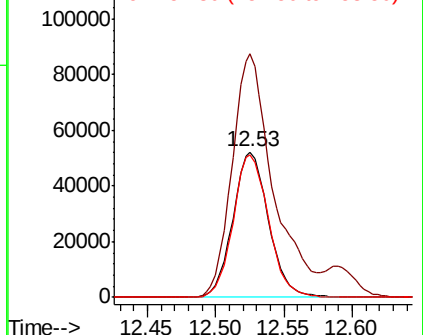
158 97.4 48.6 145.9



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: 20.245 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055037.D

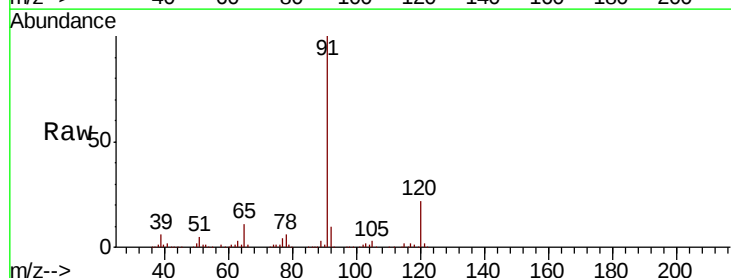
Acq: 15 Apr 2019 10:42

Tgt Ion: 91 Resp: 428259

Ion Ratio Lower Upper

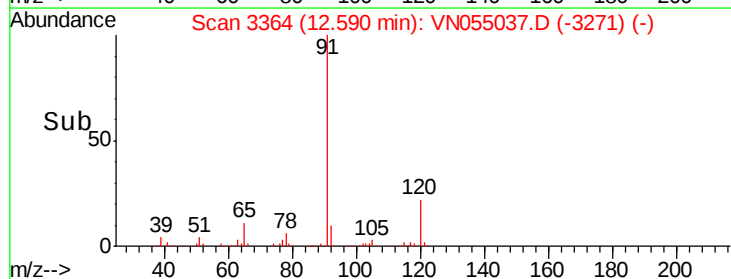
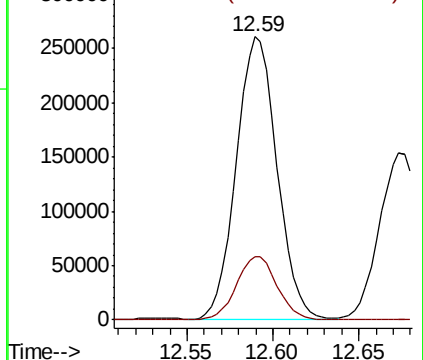
91 100

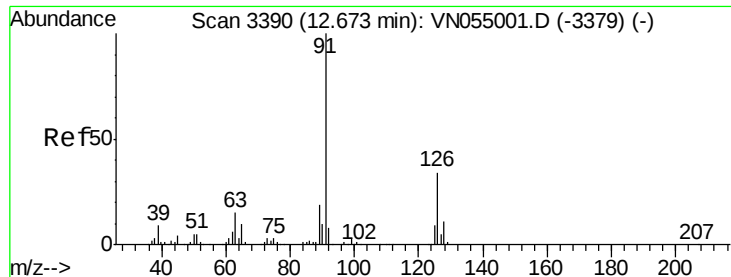
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.116 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

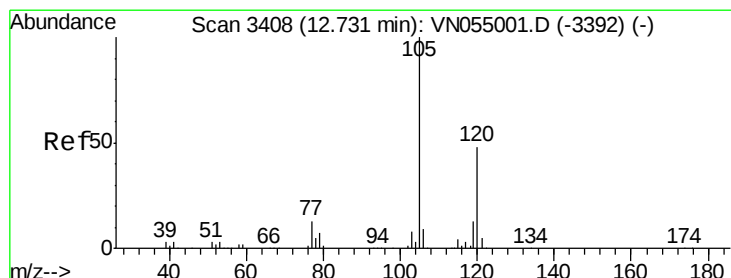
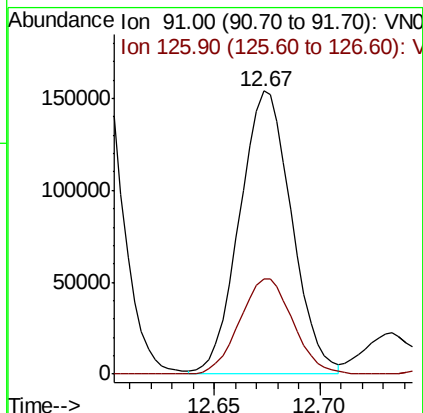
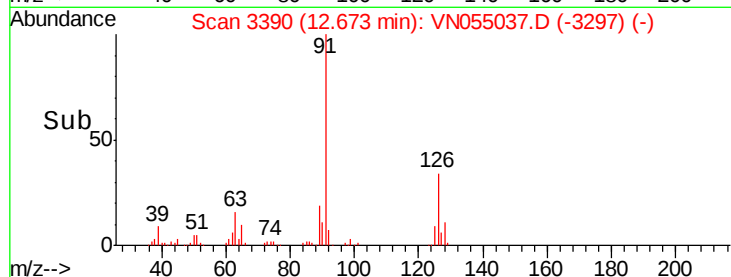
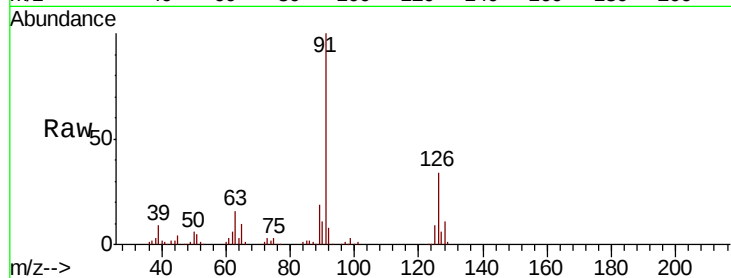
VSTDIC020

Tgt Ion: 91 Resp: 262875

Ion Ratio Lower Upper

91 100

126 34.7 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 20.364 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055037.D

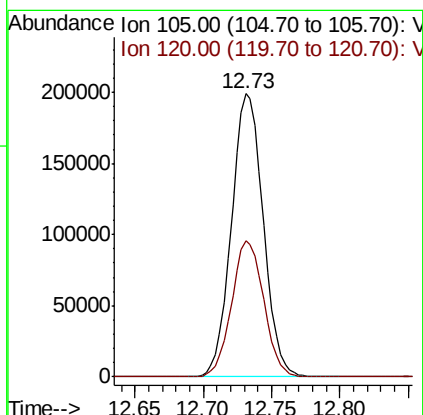
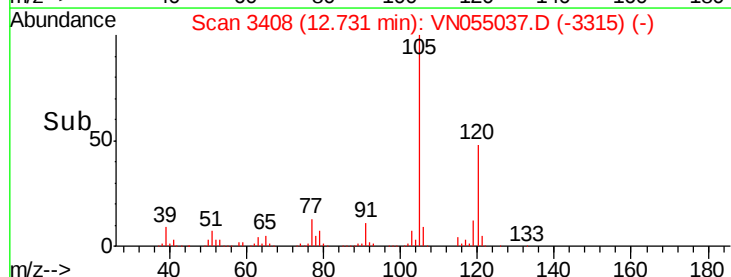
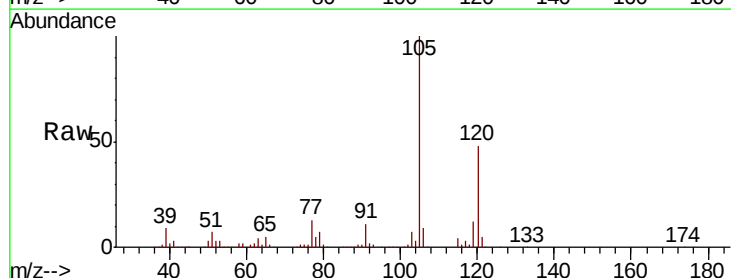
Acq: 15 Apr 2019 10:42

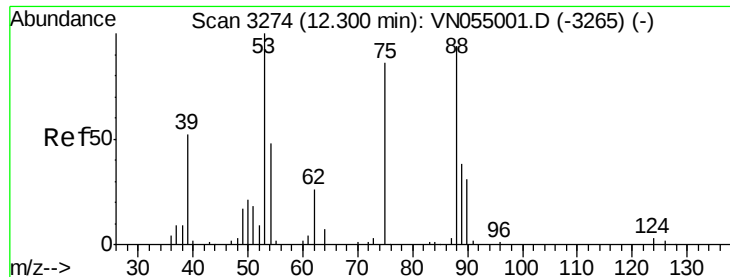
Tgt Ion: 105 Resp: 321884

Ion Ratio Lower Upper

105 100

120 48.5 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.409 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

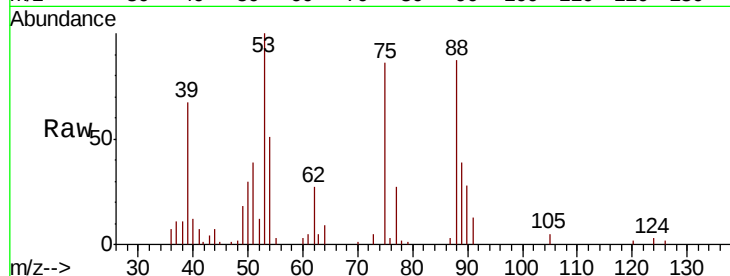
Tgt Ion: 75 Resp: 19756

Ion Ratio Lower Upper

75 100

53 127.5 96.3 144.5

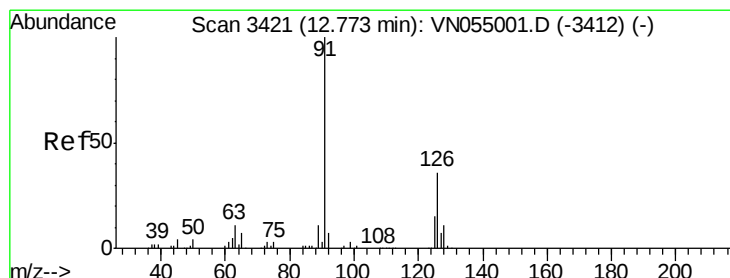
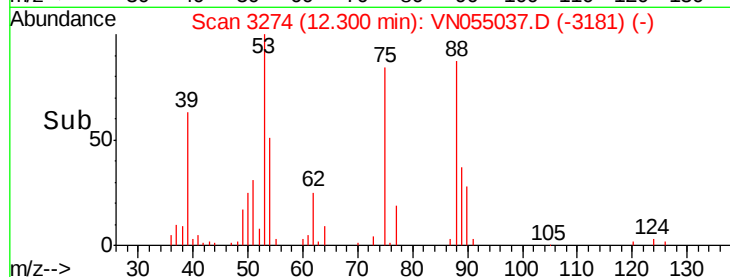
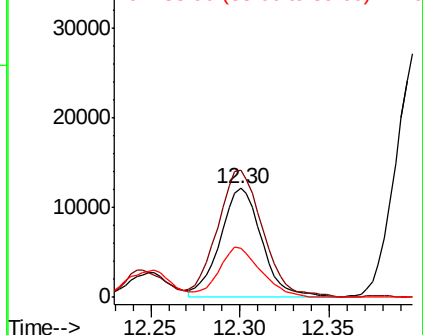
89 46.9 38.6 57.8



Abundance Ion 74.90 (74.60 to 75.60): VN055001.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN055001.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN055001.D (-3265) (-)



#82

4-Chlorotoluene

Concen: 19.876 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055037.D

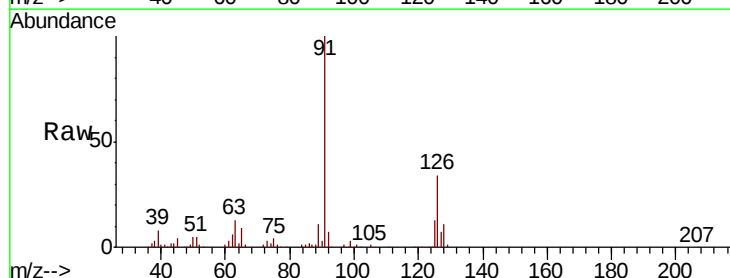
Acq: 15 Apr 2019 10:42

Tgt Ion: 91 Resp: 251205

Ion Ratio Lower Upper

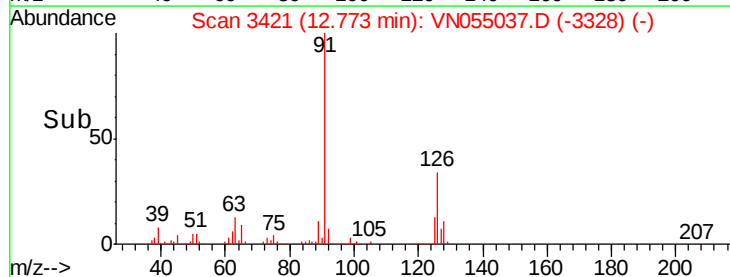
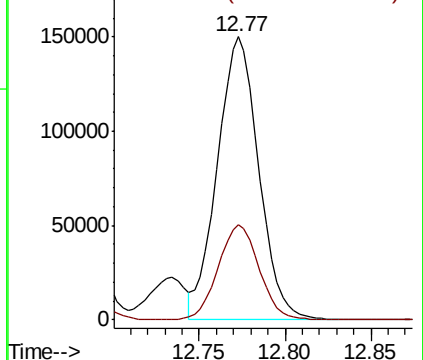
91 100

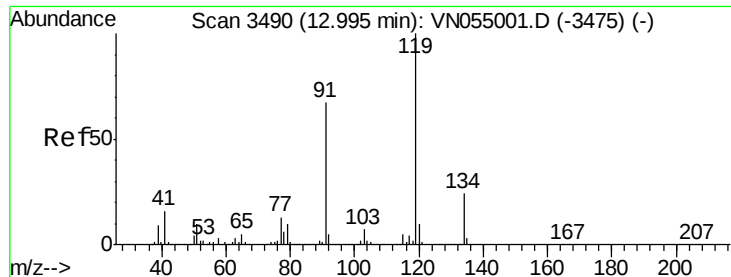
126 33.6 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN055001.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN055001.D (-3412) (-)

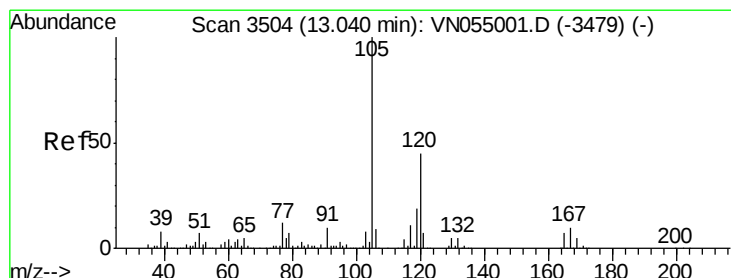
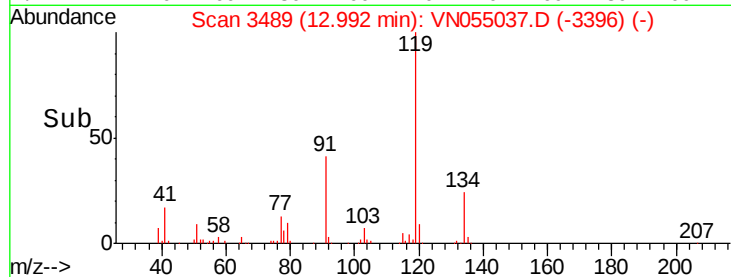
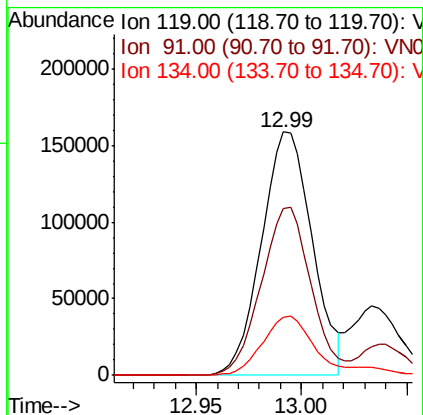
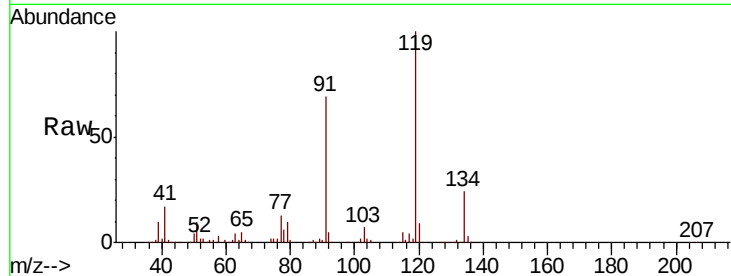




#83
 tert-Butylbenzene
 Concen: 19.686 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055037.D
 Acq: 15 Apr 2019 10:42

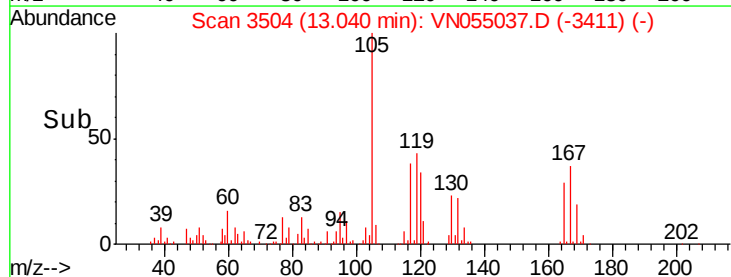
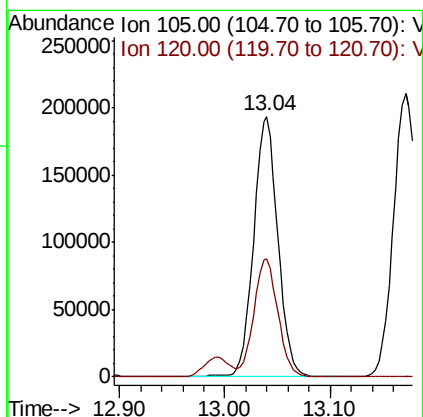
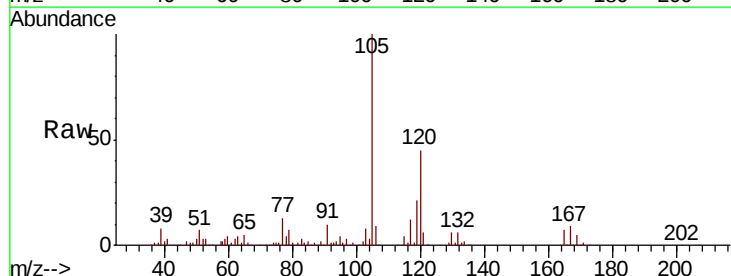
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

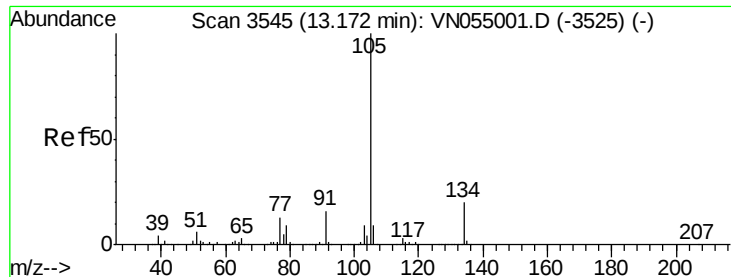
Tgt Ion:119 Resp: 266570
 Ion Ratio Lower Upper
 119 100
 91 67.3 33.3 99.8
 134 24.5 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.451 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055037.D
 Acq: 15 Apr 2019 10:42

Tgt Ion:105 Resp: 309959
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.4 67.3





#85

sec-Butylbenzene

Concen: 19.676 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

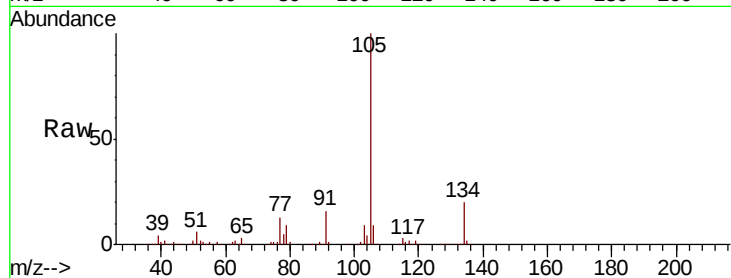
VSTDIC020

Tgt Ion:105 Resp: 340176

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

250000

200000

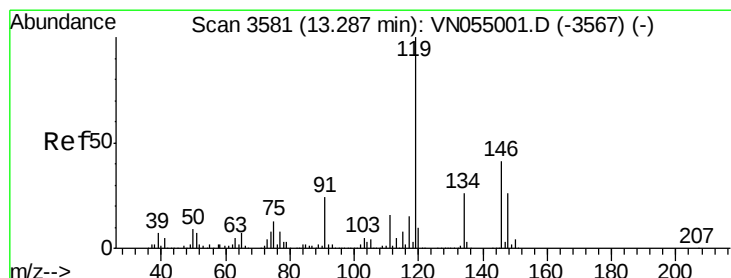
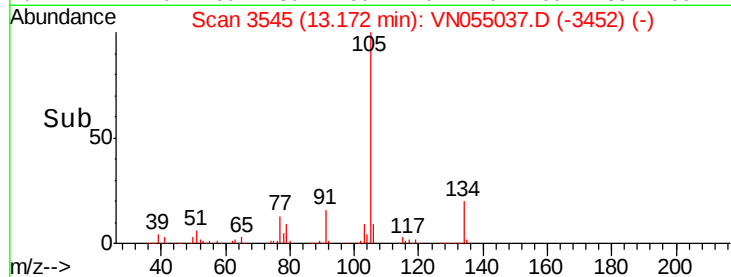
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.638 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

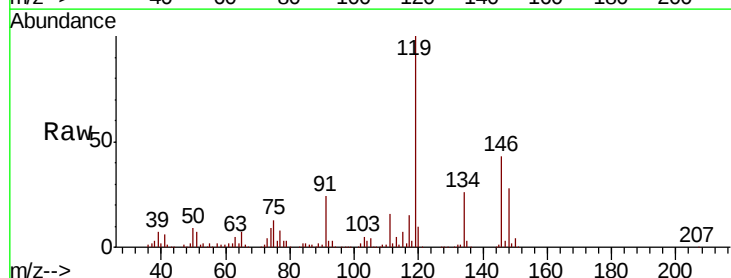
Tgt Ion:119 Resp: 295317

Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.5

91 24.2 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

250000

200000

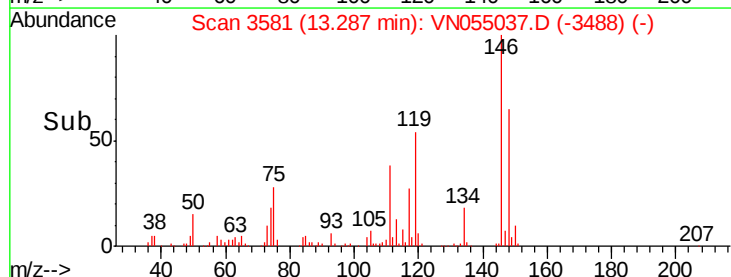
150000

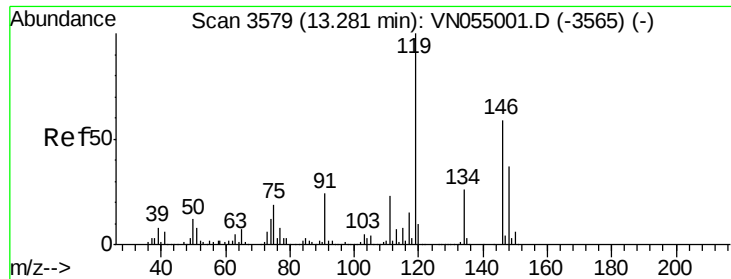
100000

50000

0

Time-->

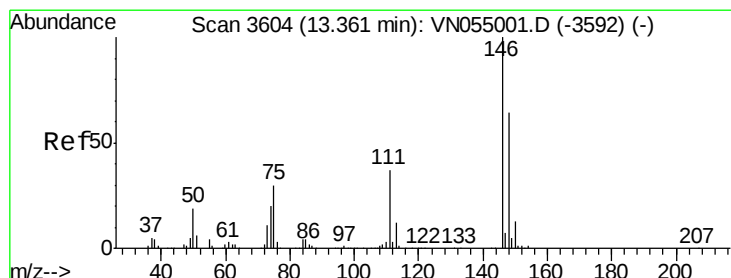
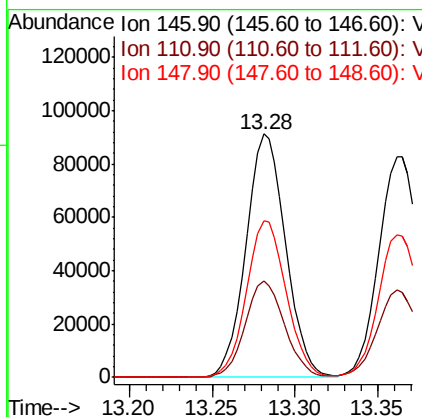
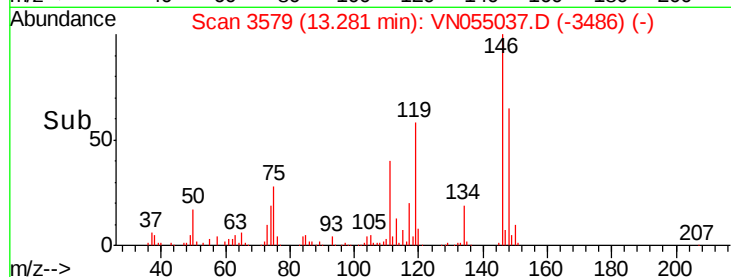
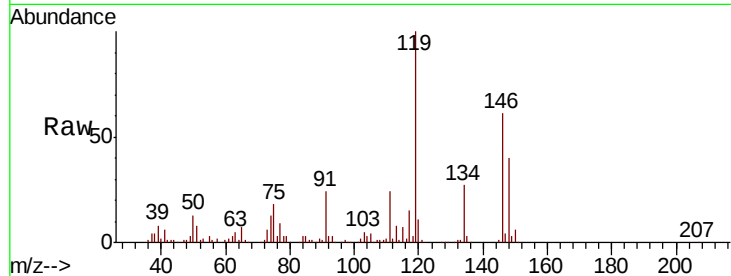




#87
 1,3-Dichlorobenzene
 Concen: 19.627 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055037.D
 Acq: 15 Apr 2019 10:42

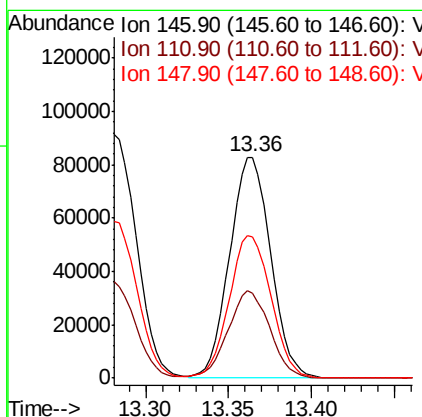
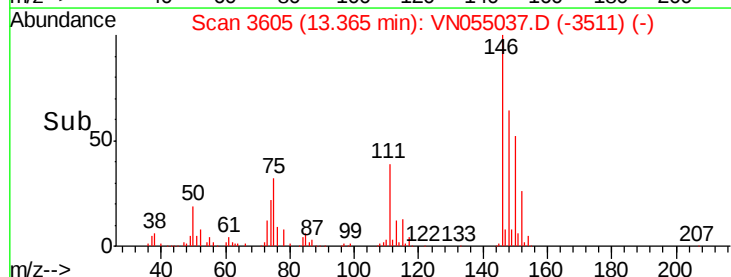
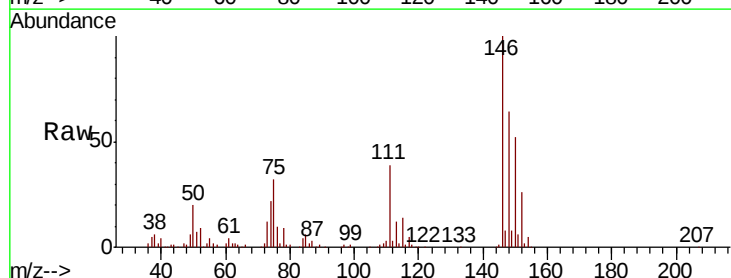
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

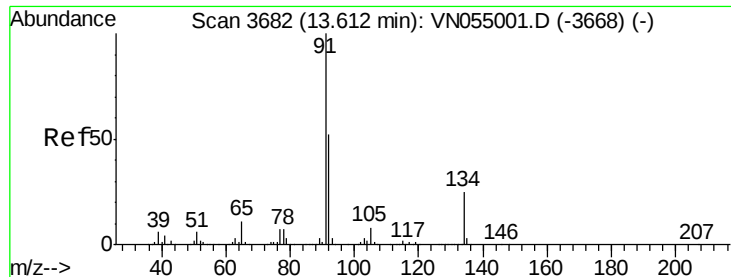
Tgt Ion:146 Resp: 152240
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.5 58.5
 148 64.5 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 19.249 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055037.D
 Acq: 15 Apr 2019 10:42

Tgt Ion:146 Resp: 142797
 Ion Ratio Lower Upper
 146 100
 111 40.2 18.8 56.4
 148 65.9 32.4 97.2

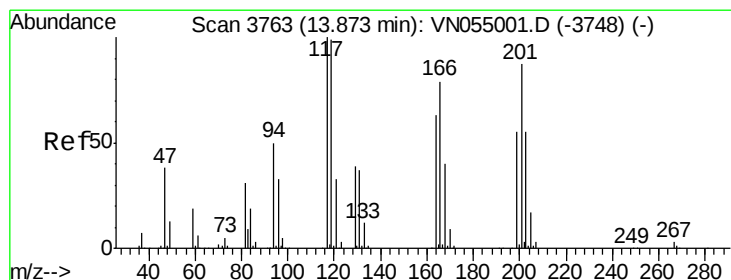
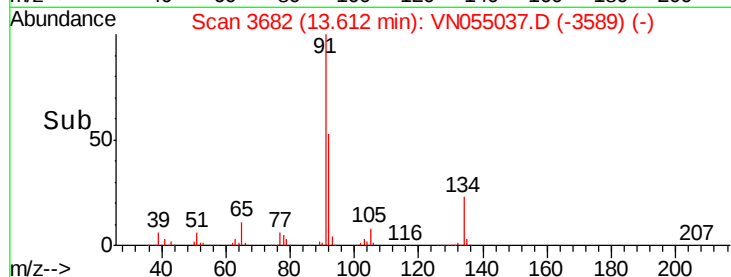
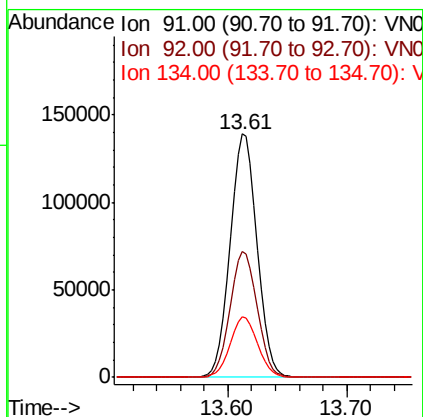
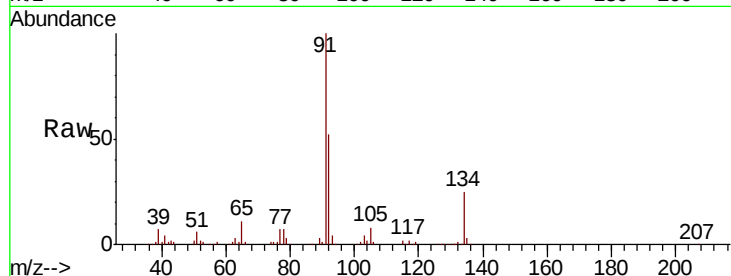




#89
n-Butylbenzene
Concen: 18.430 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

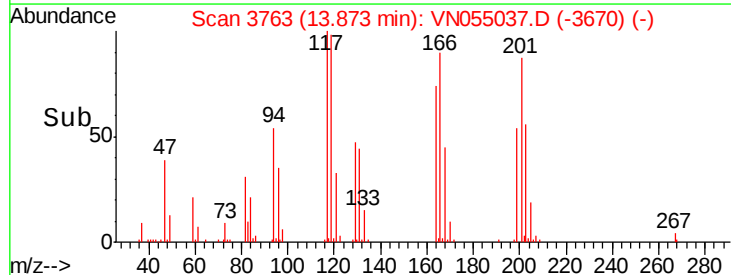
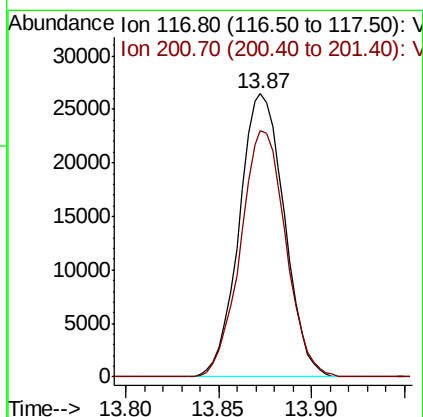
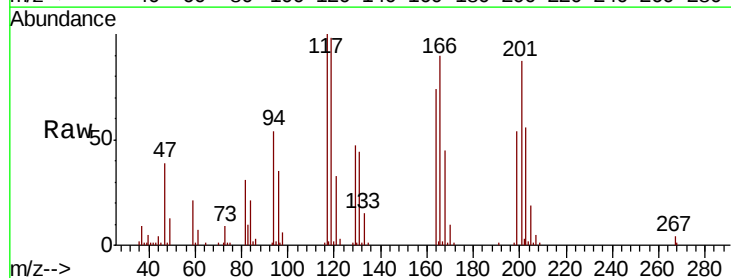
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

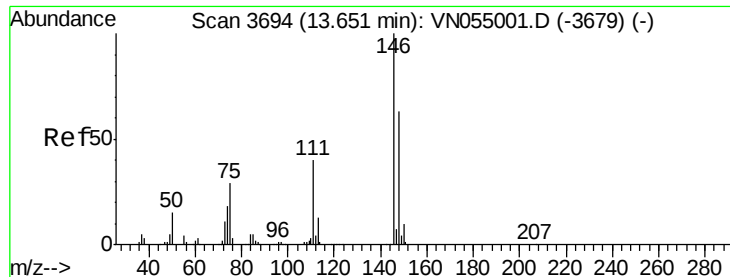
Tgt Ion: 91 Resp: 217673
Ion Ratio Lower Upper
91 100
92 52.0 25.9 77.7
134 25.3 12.8 38.3



#90
Hexachloroethane
Concen: 18.029 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055037.D
Acq: 15 Apr 2019 10:42

Tgt Ion: 117 Resp: 44801
Ion Ratio Lower Upper
117 100
201 87.3 43.4 130.2





#91

1,2-Dichlorobenzene

Concen: 20.814 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

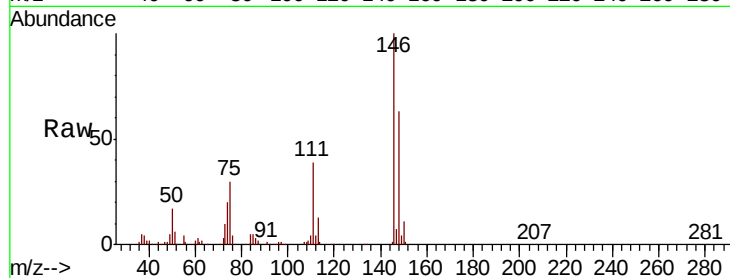
Tgt Ion:146 Resp: 156726

Ion Ratio Lower Upper

146 100

111 39.4 20.3 60.9

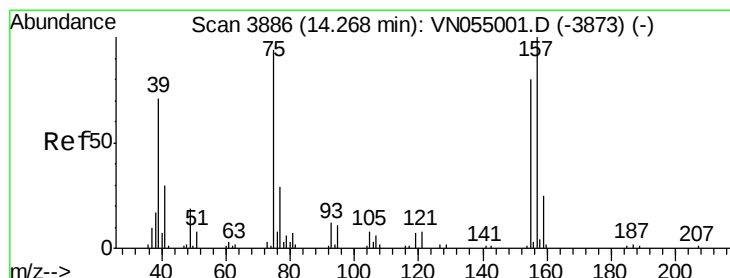
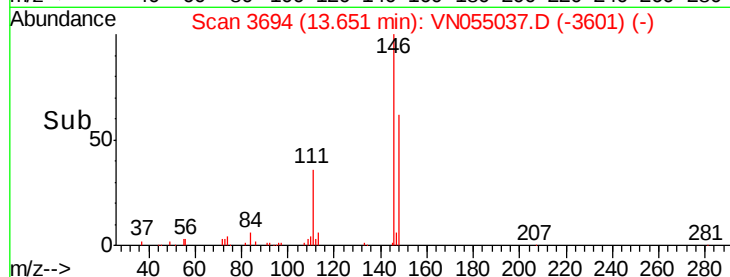
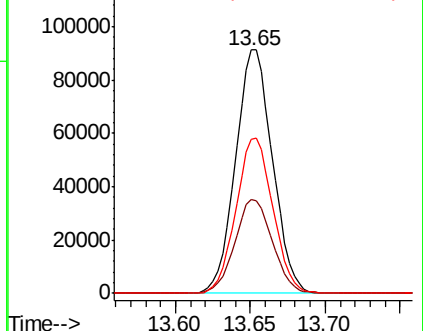
148 63.7 32.2 96.6



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: 20.876 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

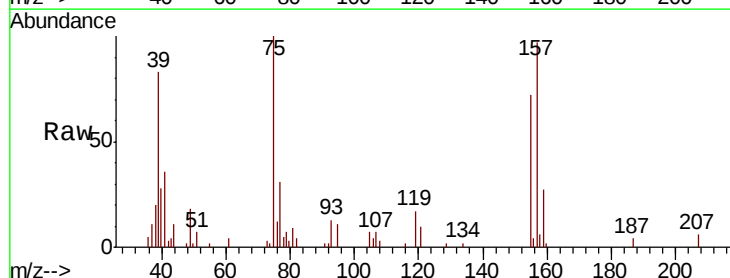
Tgt Ion: 75 Resp: 13646

Ion Ratio Lower Upper

75 100

155 79.3 42.0 126.0

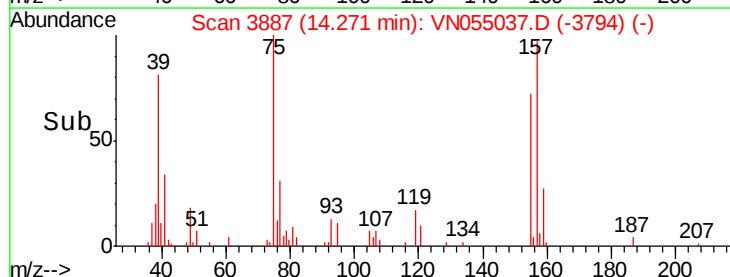
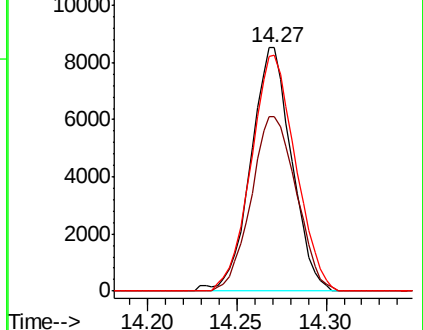
157 105.5 52.1 156.4

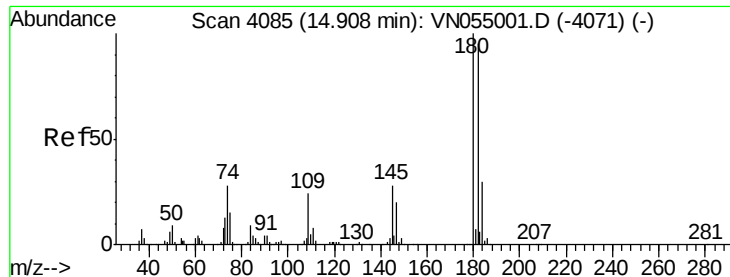


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

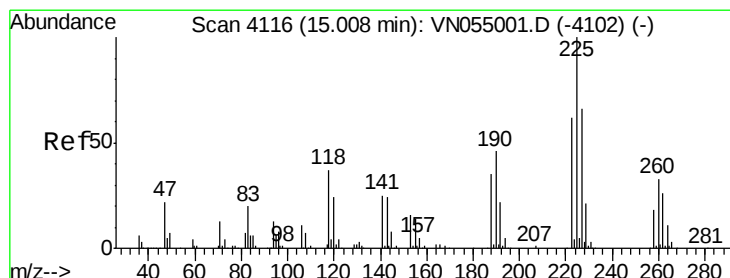
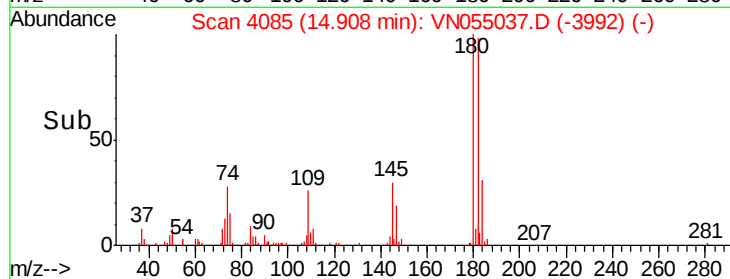
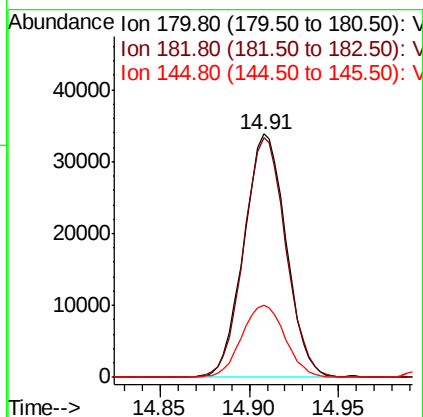
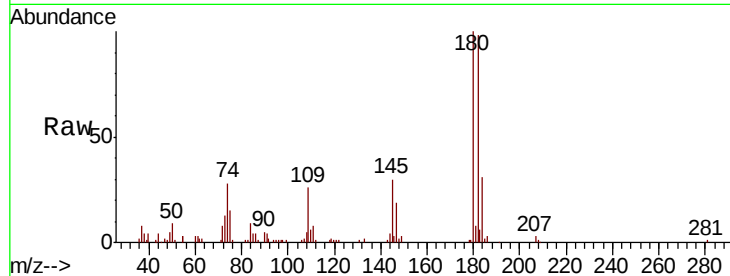




#93
 1,2,4-Trichlorobenzene
 Concen: 17.694 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055037.D
 Acq: 15 Apr 2019 10:42

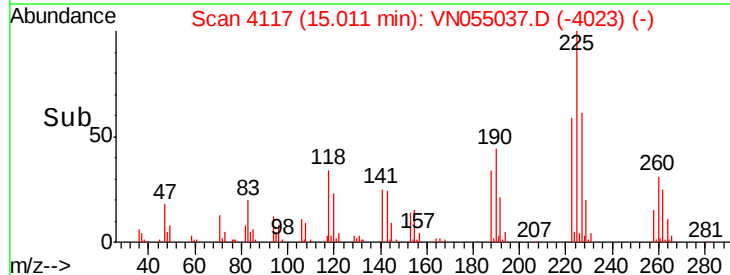
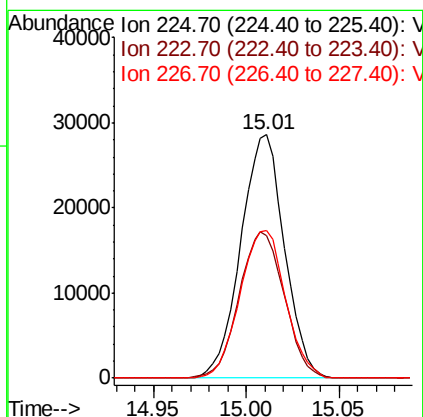
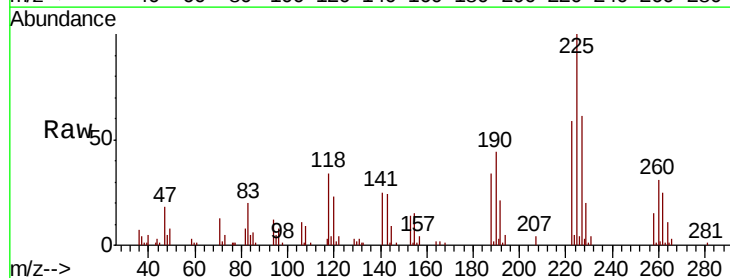
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

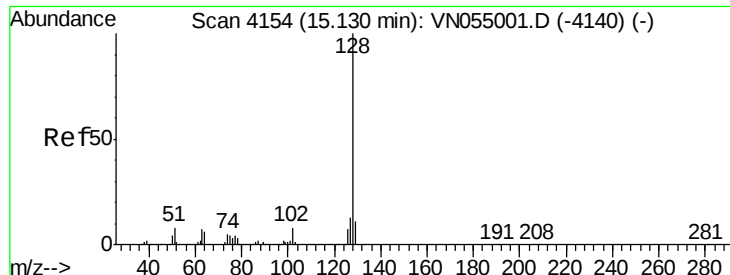
Tgt Ion:180 Resp: 56105
 Ion Ratio Lower Upper
 180 100
 182 97.9 47.5 142.6
 145 30.4 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 17.809 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055037.D
 Acq: 15 Apr 2019 10:42

Tgt Ion:225 Resp: 46736
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.4 94.0
 227 63.3 32.6 97.7





#95

Naphthalene

Concen: 17.451 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

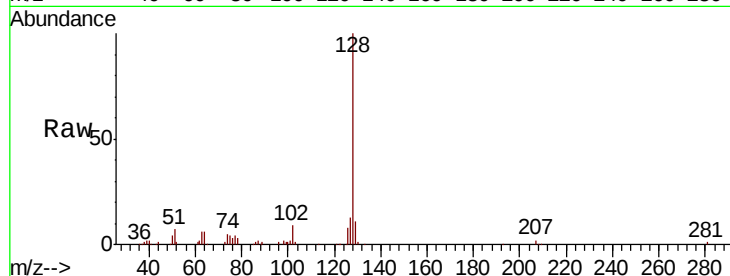
Tgt Ion:128 Resp: 129511

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

129 10.5 8.8 13.2

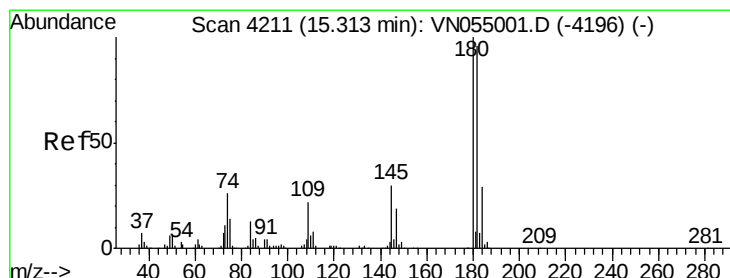
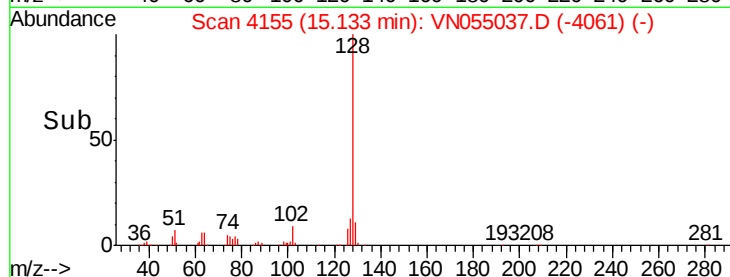
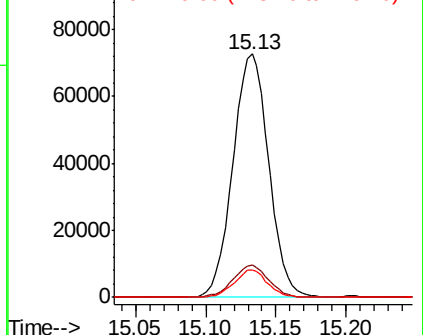


Abundance

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: 17.485 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055037.D

Acq: 15 Apr 2019 10:42

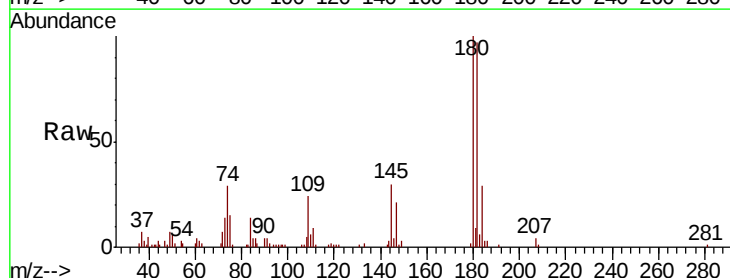
Tgt Ion:180 Resp: 59393

Ion Ratio Lower Upper

180 100

182 97.0 48.0 144.0

145 30.5 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

