

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055011.D
 Acq On : 12 Apr 2019 20:39
 Operator : JC/SP
 Sample : VN0413WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 13 03:44:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	405647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	671541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	586152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	236899	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	273309	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	
35) Dibromofluoromethane	7.59	113	216337	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
50) Toluene-d8	10.09	98	783461	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	262005	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	92644	20.706	ug/l	99
3) Chloromethane	2.06	50	123153	20.525	ug/l	98
4) Vinyl Chloride	2.19	62	101284	20.802	ug/l	100
5) Bromomethane	2.56	94	56353	19.994	ug/l	97
6) Chloroethane	2.70	64	54506	20.299	ug/l	98
7) Trichlorofluoromethane	3.02	101	127840	20.932	ug/l	99
8) Diethyl Ether	3.41	74	41657	21.688	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	65231	20.478	ug/l	99
10) Methyl Iodide	3.94	142	90229	19.640	ug/l	99
11) Tert butyl alcohol	4.83	59	35419	113.070	ug/l	97
12) 1,1-Dichloroethene	3.73	96	62733	20.002	ug/l	96
13) Acrolein	3.61	56	41785	110.511	ug/l	99
14) Allyl chloride	4.31	41	160272	20.915	ug/l	99
15) Acrylonitrile	5.00	53	196393	113.670	ug/l	99
16) Acetone	3.82	43	136079	97.307	ug/l	100
17) Carbon Disulfide	4.04	76	179785	17.600	ug/l	97
18) Methyl Acetate	4.33	43	94962	21.906	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	247009	22.043	ug/l	100
20) Methylene Chloride	4.54	84	109221	23.253	ug/l	100
21) trans-1,2-Dichloroethene	5.03	96	86378	20.906	ug/l	94
22) Diisopropyl ether	5.96	45	339140	21.828	ug/l	96
23) Vinyl Acetate	5.90	43	1200054	110.430	ug/l	99
24) 1,1-Dichloroethane	5.84	63	175053	20.861	ug/l	99
25) 2-Butanone	6.85	43	244243	113.399	ug/l	99
26) 2,2-Dichloropropane	6.82	77	103568	18.655	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	101912	21.233	ug/l	98
28) Bromochloromethane	7.19	49	87137	21.886	ug/l	100
29) Tetrahydrofuran	7.22	42	164483	116.495	ug/l	99
30) Chloroform	7.37	83	170045	21.250	ug/l	98
31) Cyclohexane	7.65	56	163976	20.314	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	133891	21.003	ug/l	99
36) 1,1-Dichloropropene	7.79	75	122533	19.743	ug/l	99
37) Ethyl Acetate	6.94	43	104419	22.411	ug/l	98
38) Carbon Tetrachloride	7.77	117	111264	19.045	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	136638	19.231	ug/l	98
40) Benzene	8.04	78	382531	20.387	ug/l	100
41) Methacrylonitrile	7.18	41	63831	22.265	ug/l	95
42) 1,2-Dichloroethane	8.13	62	132719	20.106	ug/l	99
43) Isopropyl Acetate	8.17	43	172627	21.668	ug/l	99
44) Trichloroethene	8.84	130	96087	20.038	ug/l	98
45) 1,2-Dichloropropane	9.12	63	106530	20.118	ug/l	96
46) Dibromomethane	9.21	93	62923	20.739	ug/l	98
47) Bromodichloromethane	9.40	83	124195	20.129	ug/l	97
48) Methyl methacrylate	9.20	41	87056	21.212	ug/l	98
49) 1,4-Dioxane	9.21	88	20108	455.577	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	517575	110.953	ug/l	98
52) Toluene	10.16	92	223332	20.125	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	108440	19.409	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	138702	20.153	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	87053	21.058	ug/l	99
56) Ethyl methacrylate	10.43	69	111417	20.945	ug/l	99
57) 1,3-Dichloropropane	10.71	76	150911	21.162	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	218159	102.831	ug/l	99
59) 2-Hexanone	10.75	43	322370	110.589	ug/l	99
60) Dibromochloromethane	10.90	129	84234	20.471	ug/l	100
61) 1,2-Dibromoethane	11.01	107	81885	20.689	ug/l	99
64) Tetrachloroethene	10.63	164	91103	19.870	ug/l	96
65) Chlorobenzene	11.43	112	231763	20.506	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	84424	20.269	ug/l	98
67) Ethyl Benzene	11.51	91	414620	19.971	ug/l	98
68) m/p-Xylenes	11.62	106	308675	40.639	ug/l	99
69) o-Xylene	11.95	106	152978	20.356	ug/l	97
70) Styrene	11.96	104	244093	20.484	ug/l	99
71) Bromoform	12.13	173	51833	19.796	ug/l #	98
73) Isopropylbenzene	12.25	105	400854	19.901	ug/l	99
74) N-amyl acetate	12.07	43	126478	20.833	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	108444	20.795	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	125189	28.724	ug/l #	100
77) Bromobenzene	12.53	156	98529	21.283	ug/l	99
78) n-propylbenzene	12.59	91	439109	20.010	ug/l	99
79) 2-Chlorotoluene	12.68	91	270009	19.917	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	329491	20.095	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21140	20.020	ug/l	93
82) 4-Chlorotoluene	12.77	91	255148	19.461	ug/l	99
83) tert-Butylbenzene	12.99	119	289100	20.581	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	320843	20.406	ug/l	100
85) sec-Butylbenzene	13.17	105	366790	20.451	ug/l	100
86) p-Isopropyltoluene	13.29	119	312070	20.004	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	158358	19.680	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	149196	19.387	ug/l	98
89) n-Butylbenzene	13.61	91	233799	19.082	ug/l	99
90) Hexachloroethane	13.87	117	48173	18.688	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	158919	20.344	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14758	21.764	ug/l	94

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Quant Title : SW846 8260
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Response via : Initial Calibration

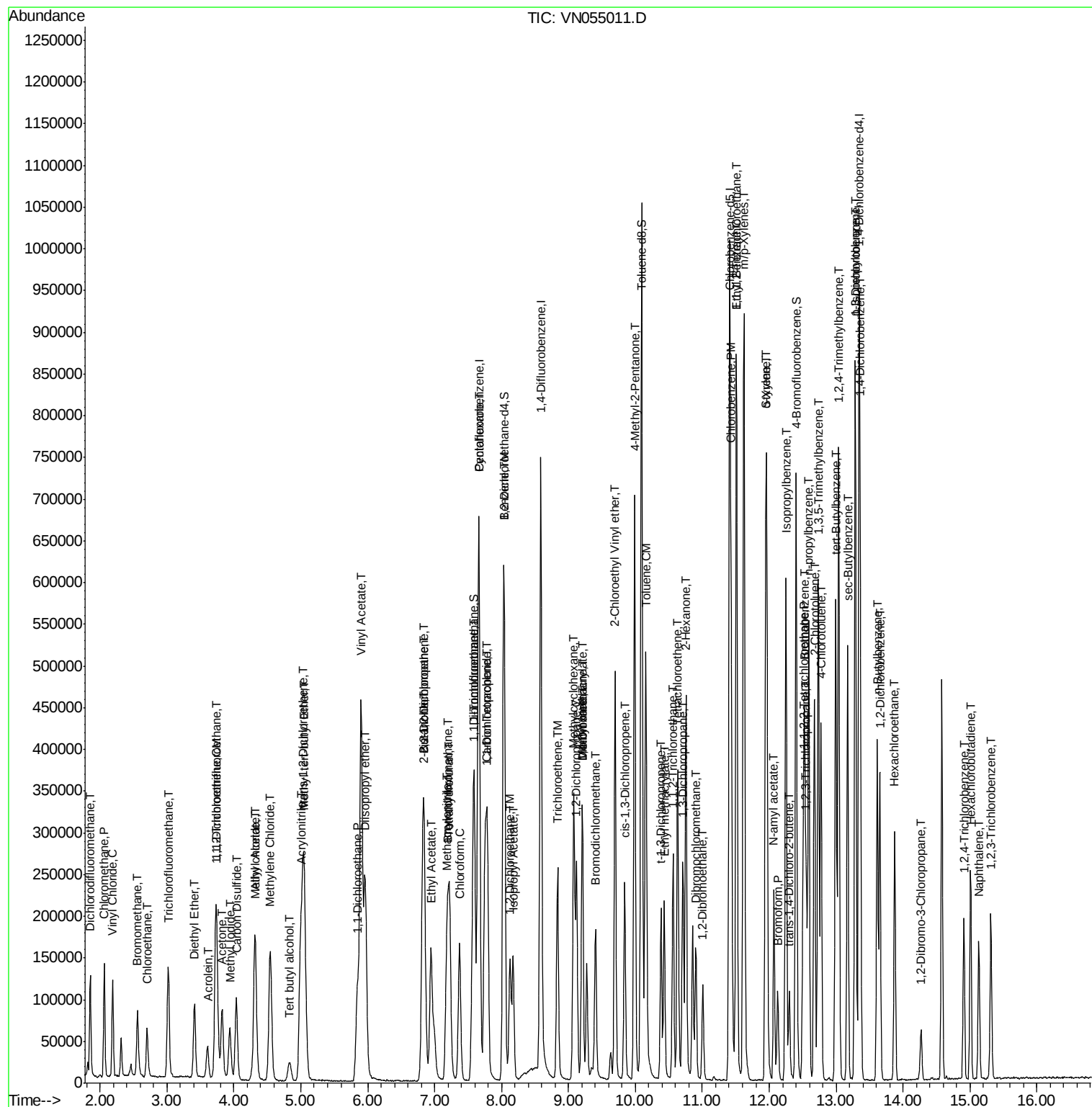
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	63760	18.805	ug/l	97
94) Hexachlorobutadiene	15.01	225	49990	20.060	ug/l	99
95) Naphthalene	15.13	128	143781	19.072	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	67804	19.242	ug/l	98

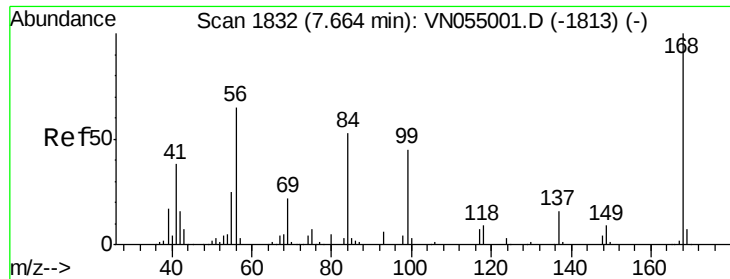
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055011.D

Acq: 12 Apr 2019 20:39

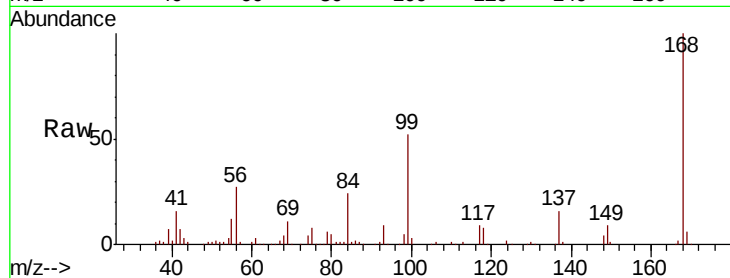
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 405647

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): V

7.66

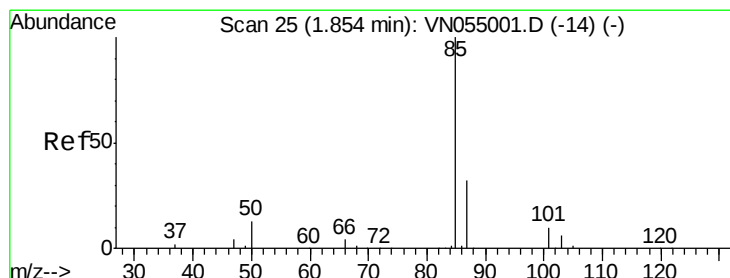
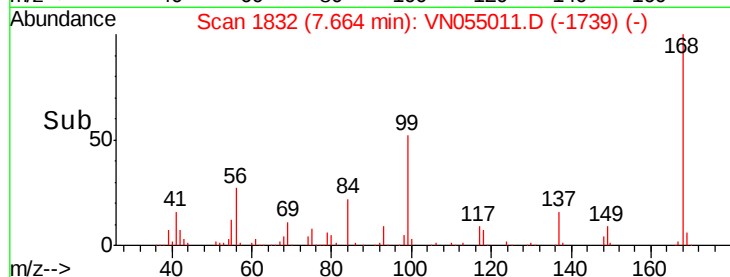
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.706 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055011.D

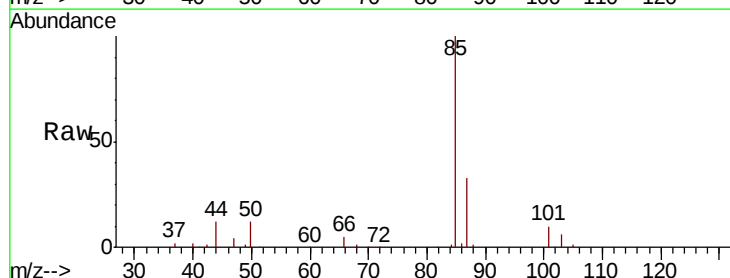
Acq: 12 Apr 2019 20:39

Tgt Ion: 85 Resp: 92644

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.85

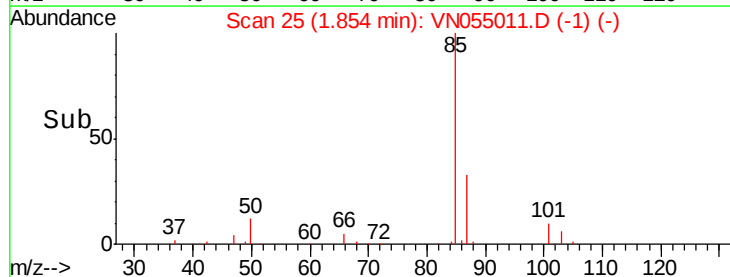
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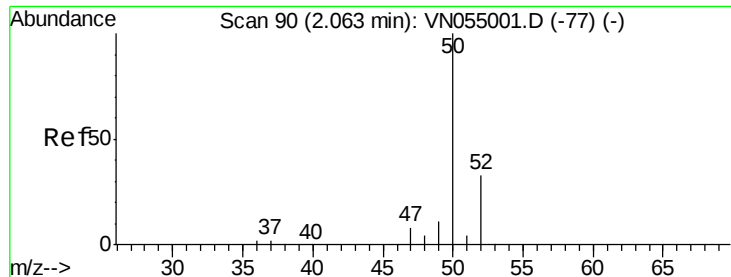
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20000

0

Time-->





#3

Chloromethane

Concen: 20.525 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

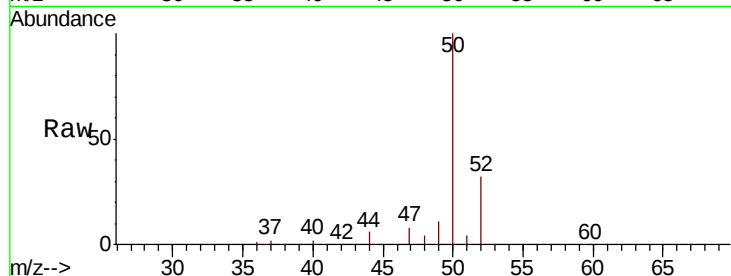
ClientSampleId :

Tot Ion: 50 Resp: 123153

Ion Ratio Lower Upper

50 100

52 32.0 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

80000

60000

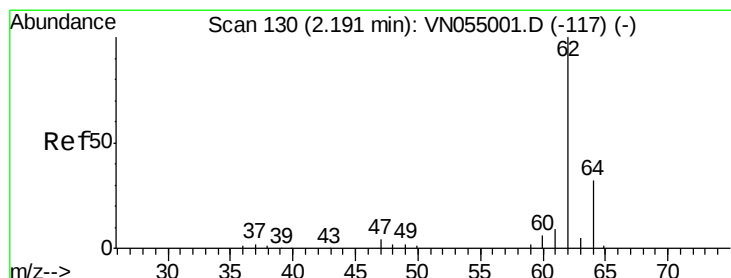
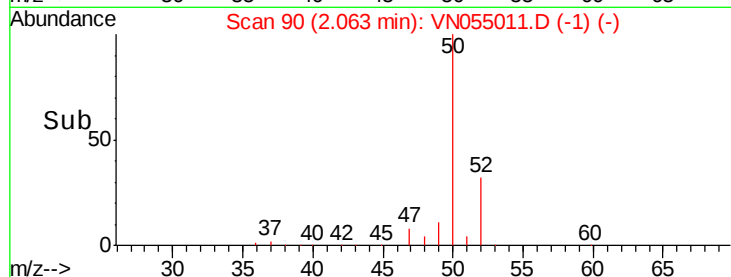
40000

20000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 20.802 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055011.D

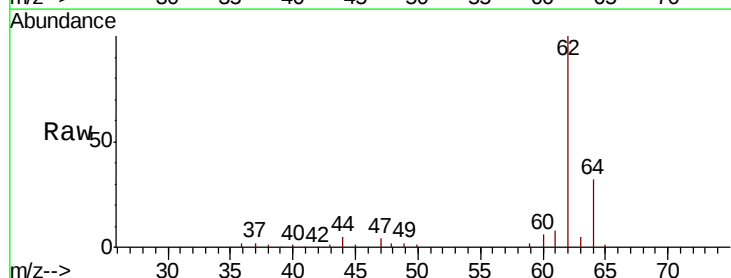
Acq: 12 Apr 2019 20:39

Tgt Ion: 62 Resp: 101284

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

80000

60000

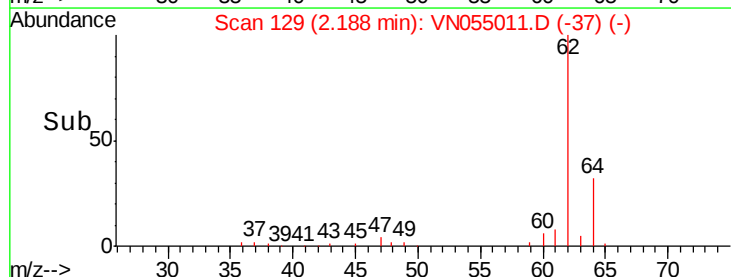
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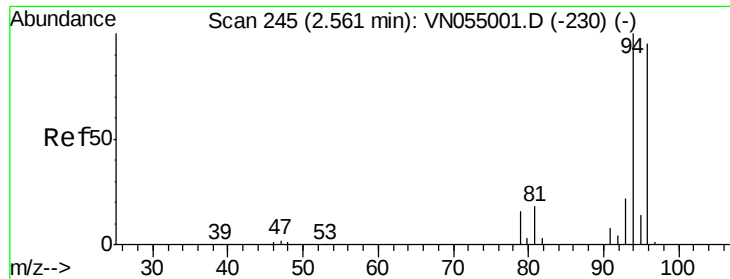
20000

0

Time-->

2.15 2.20 2.25





#5

Bromomethane

Concen: 19.994 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

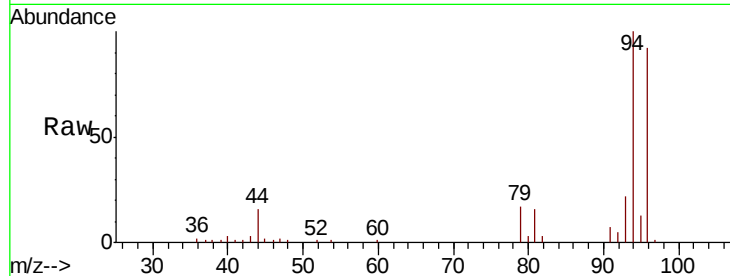
ClientSampleId :

Tot Ion: 94 Resp: 56353

Ion Ratio Lower Upper

94 100

96 91.9 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

30000

25000

20000

15000

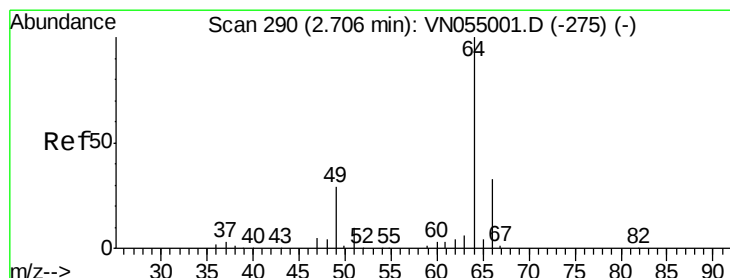
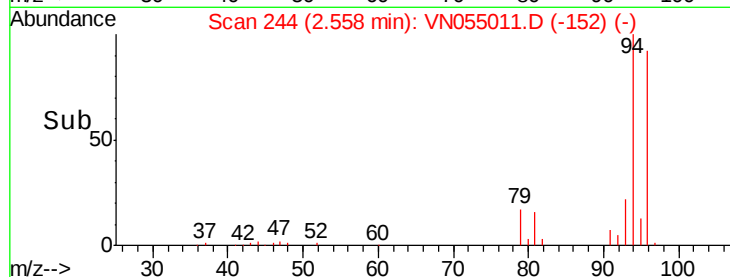
10000

5000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 20.299 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN055011.D

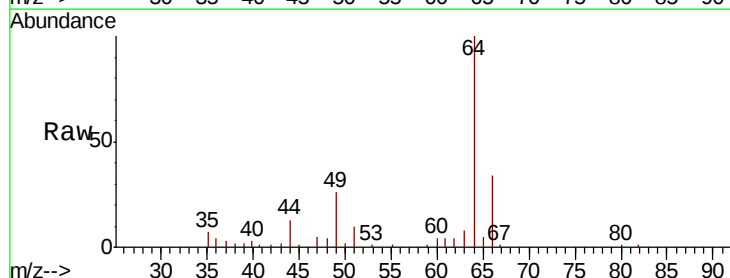
Acq: 12 Apr 2019 20:39

Tgt Ion: 64 Resp: 54506

Ion Ratio Lower Upper

64 100

66 34.3 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

30000

25000

20000

15000

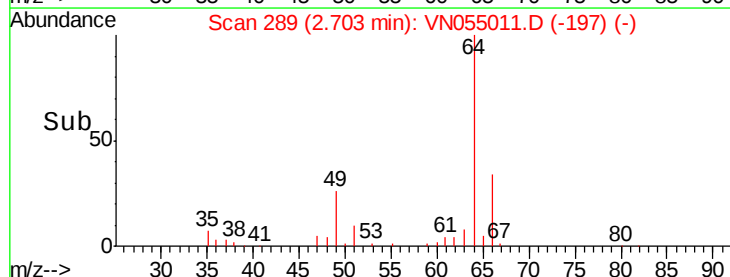
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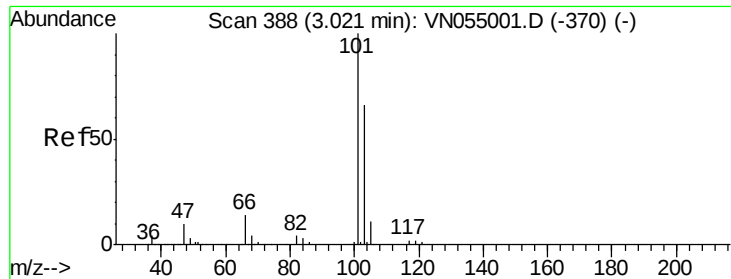
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0

Time-->

2.60 2.65 2.70 2.75 2.80



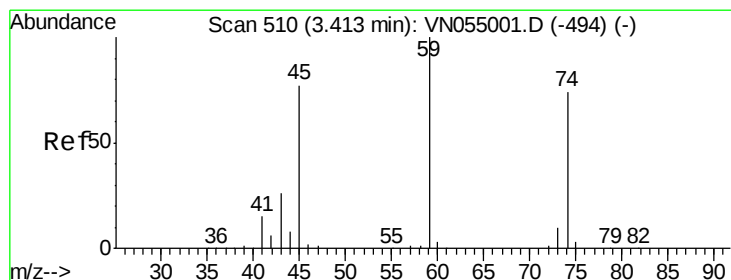
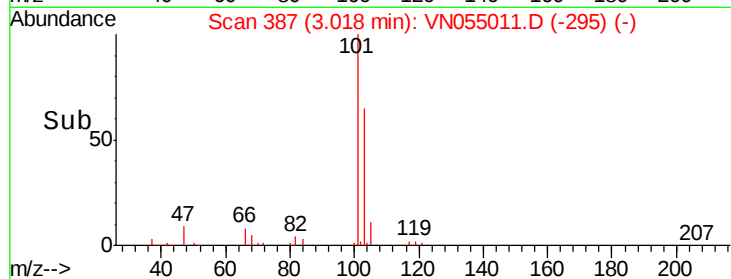
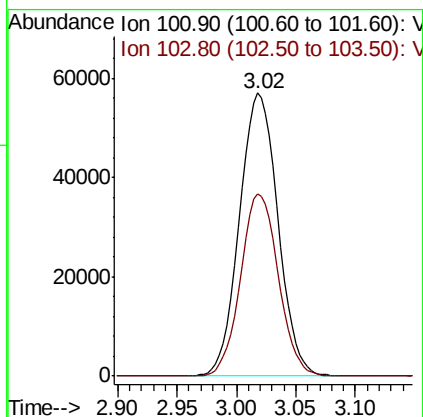
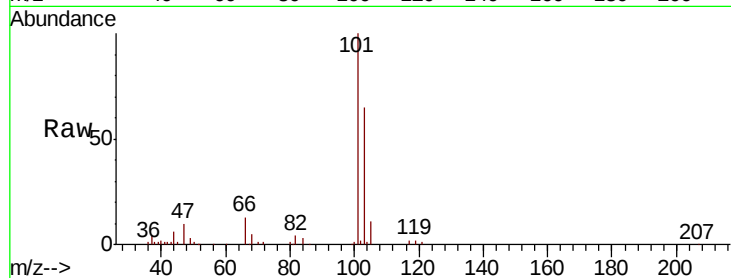


#7

Trichlorofluoromethane
Concen: 20.932 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :

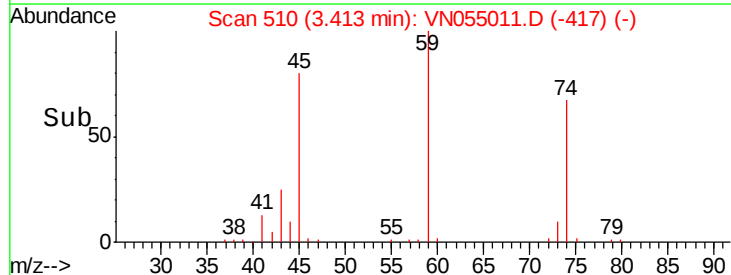
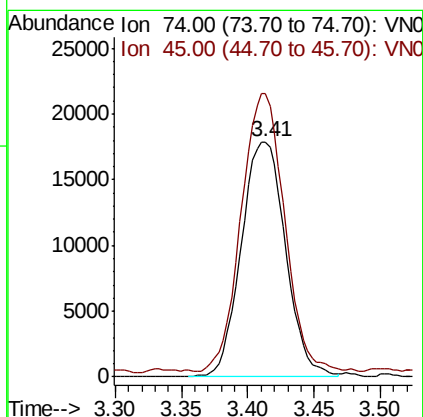
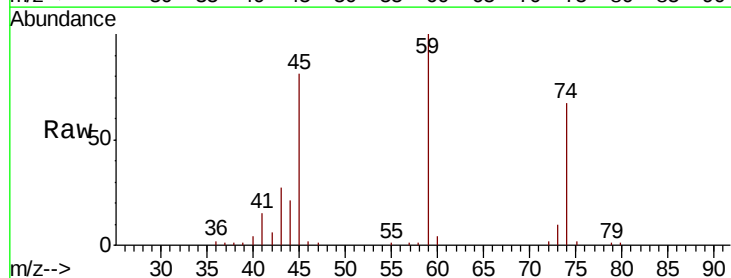
Tot Ion:101 Resp: 127840
Ion Ratio Lower Upper
101 100
103 64.6 52.5 78.7

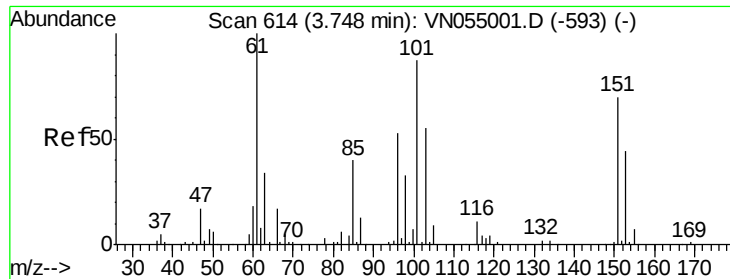


#8

Diethyl Ether
Concen: 21.688 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion: 74 Resp: 41657
Ion Ratio Lower Upper
74 100
45 115.4 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.478 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampled :

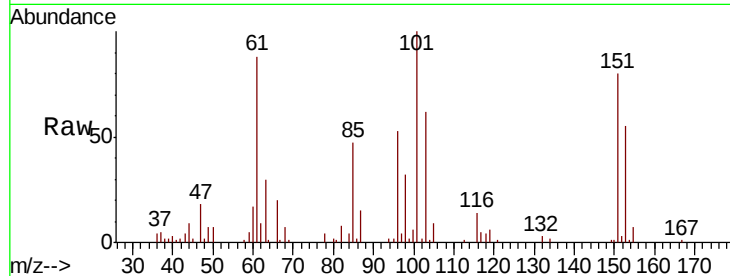
Tot Ion:101 Resp: 65231

Ion Ratio Lower Upper

101 100

85 47.2 36.9 55.3

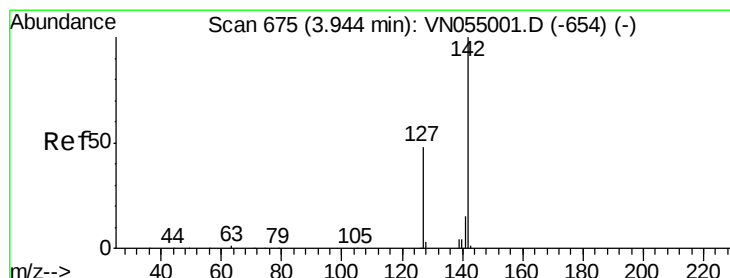
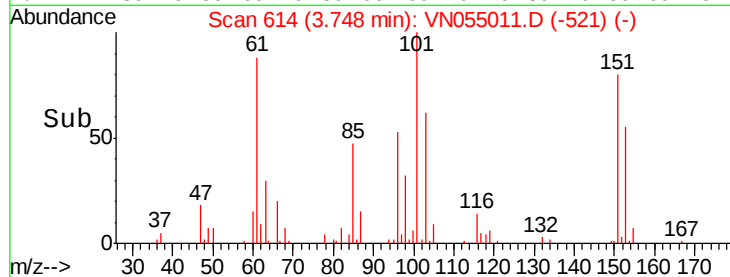
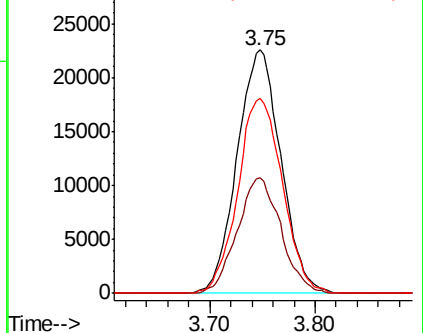
151 81.7 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.640 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

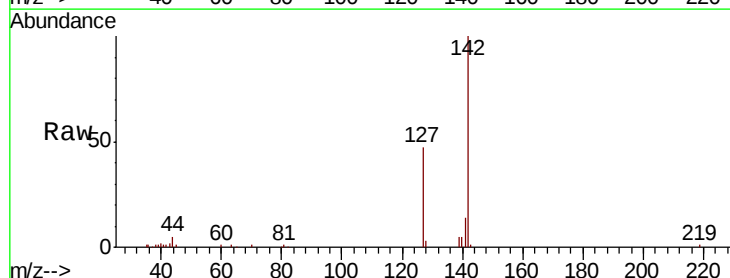
Tgt Ion:142 Resp: 90229

Ion Ratio Lower Upper

142 100

127 47.5 37.9 56.9

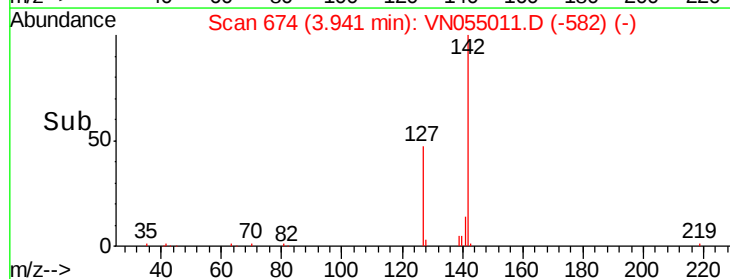
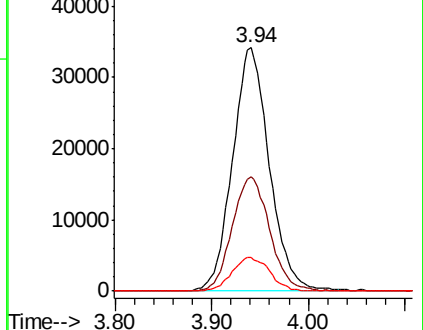
141 14.0 11.8 17.8

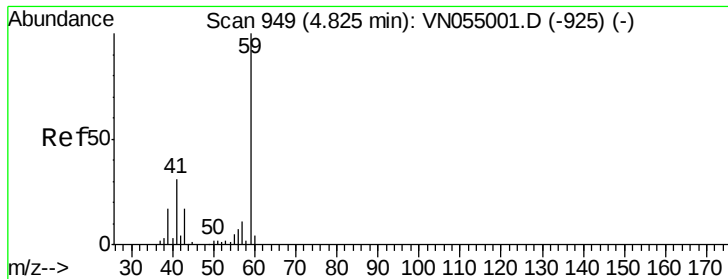


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

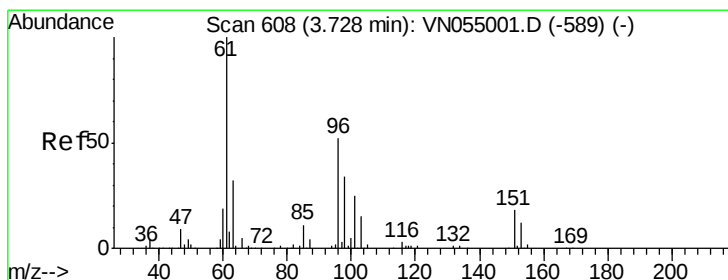
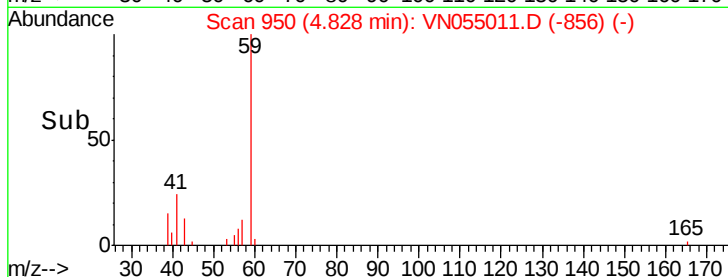
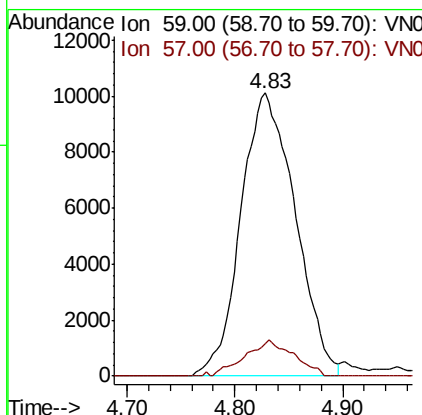
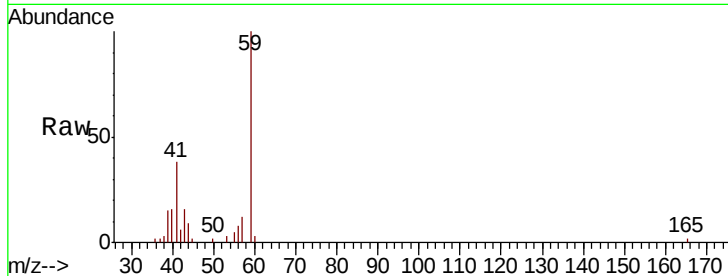




#11
Tert butyl alcohol
Concen: 113.070 ug/l
RT: 4.83 min Scan# 950
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

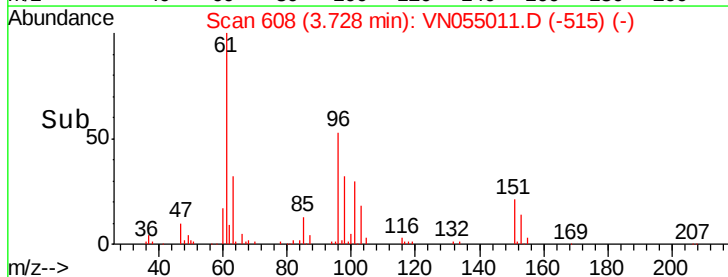
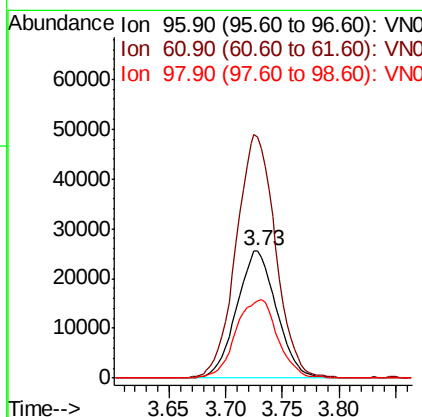
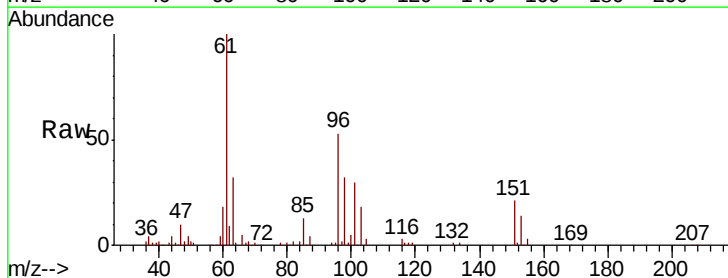
Instrument :
MSVOA_N
ClientSampleId :

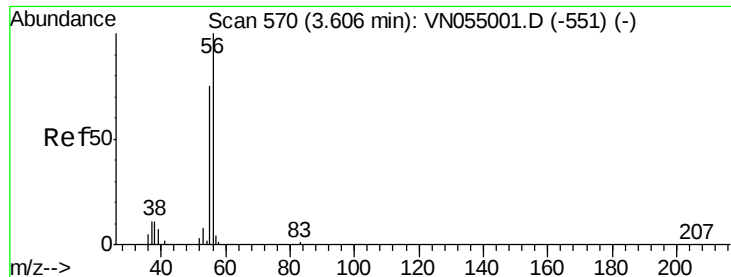
Tot Ion: 59 Resp: 35419
Ion Ratio Lower Upper
59 100
57 11.4 8.3 12.5



#12
1,1-Dichloroethene
Concen: 20.002 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion: 96 Resp: 62733
Ion Ratio Lower Upper
96 100
61 188.9 154.2 231.4
98 61.1 52.9 79.3





#13

Acrolein

Concen: 110.511 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

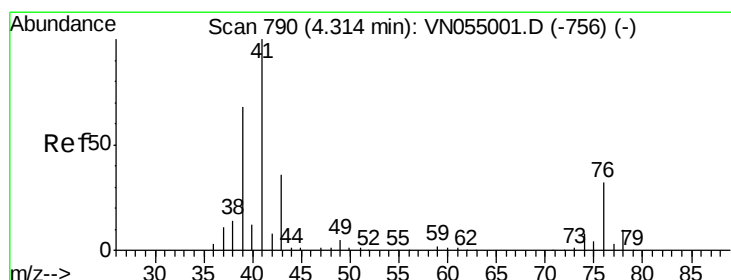
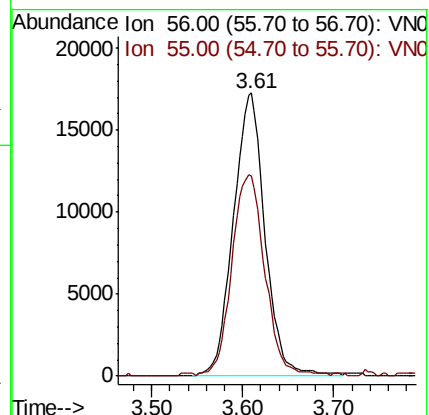
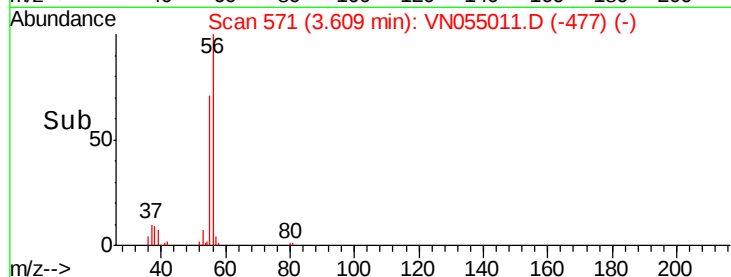
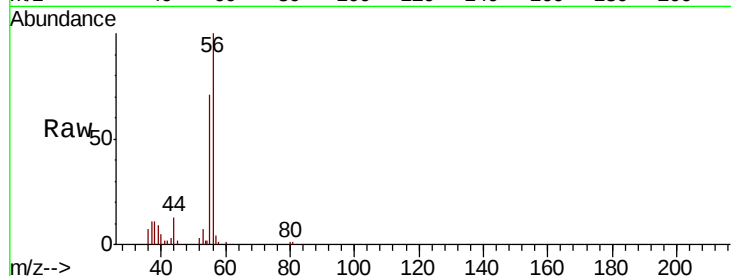
ClientSampleId :

Tot Ion: 56 Resp: 41785

Ion Ratio Lower Upper

56 100

55 73.4 59.5 89.3



#14

Allyl chloride

Concen: 20.915 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

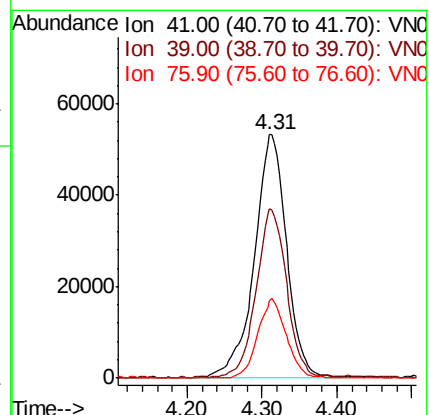
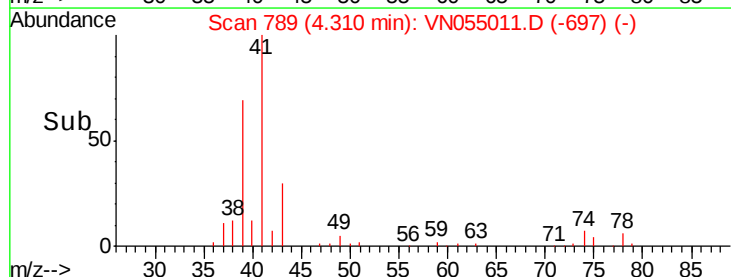
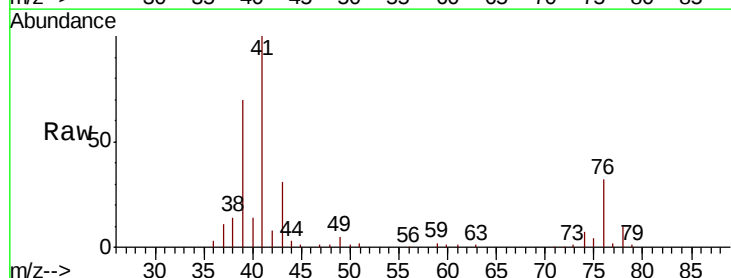
Tgt Ion: 41 Resp: 160272

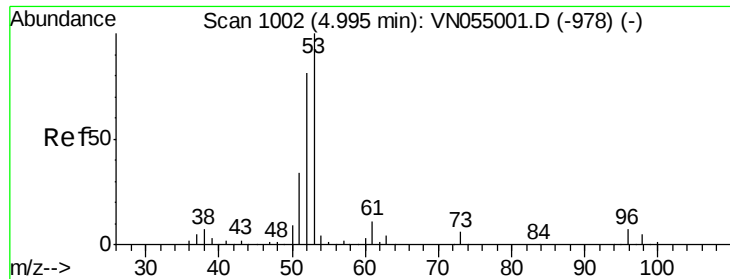
Ion Ratio Lower Upper

41 100

39 64.5 52.7 79.1

76 28.6 23.2 34.8

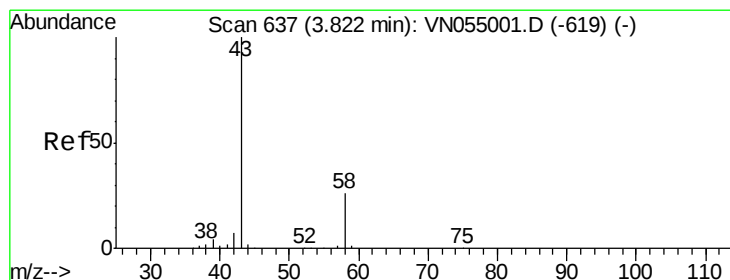
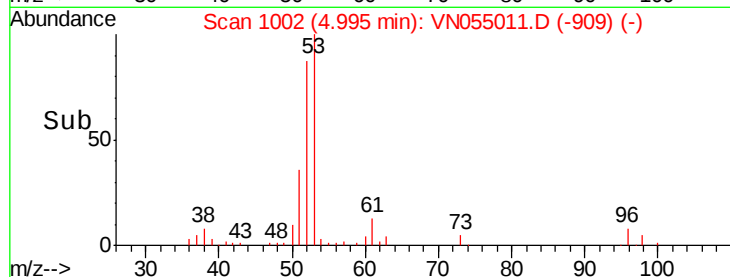
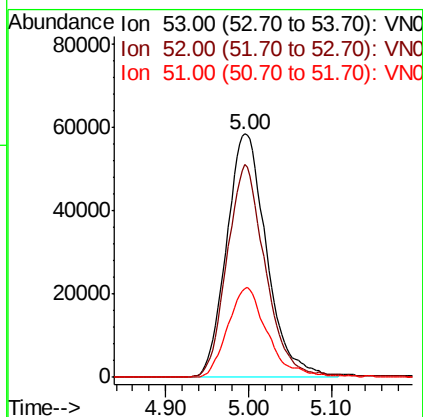
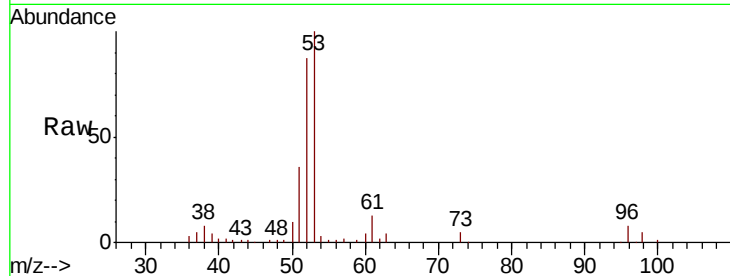




#15
 Acrylonitrile
 Concen: 113.670 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

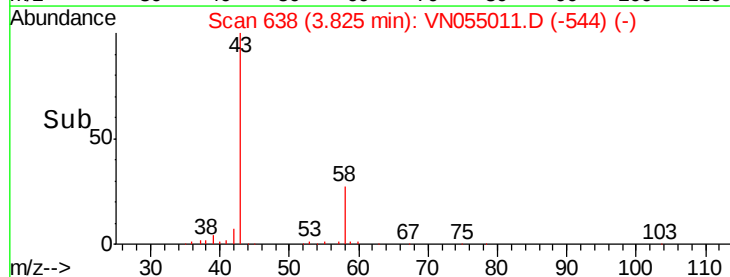
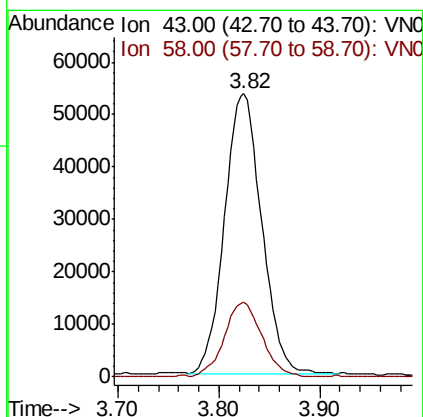
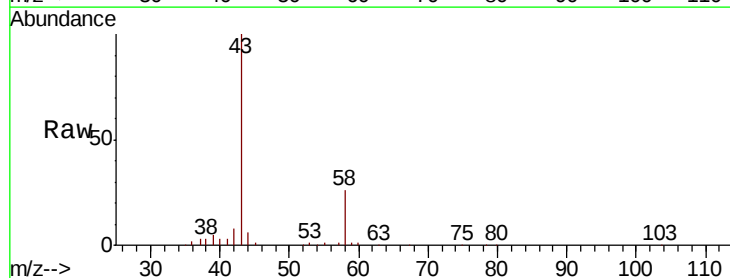
Instrument :
 MSVOA_N
 ClientSampleId :

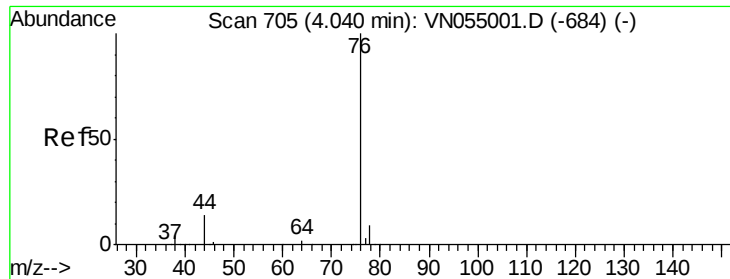
Tot Ion: 53 Resp: 196393
 Ion Ratio Lower Upper
 53 100
 52 82.8 65.9 98.9
 51 36.6 29.7 44.5



#16
 Acetone
 Concen: 97.307 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

Tgt Ion: 43 Resp: 136079
 Ion Ratio Lower Upper
 43 100
 58 26.3 20.9 31.3

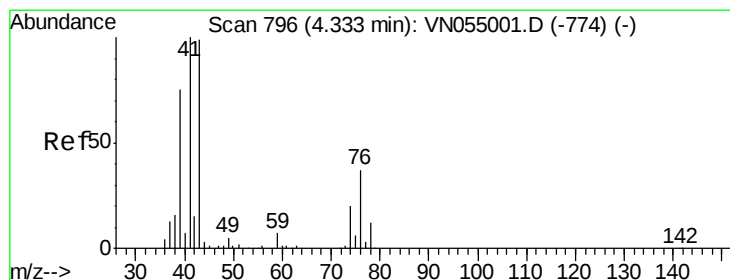
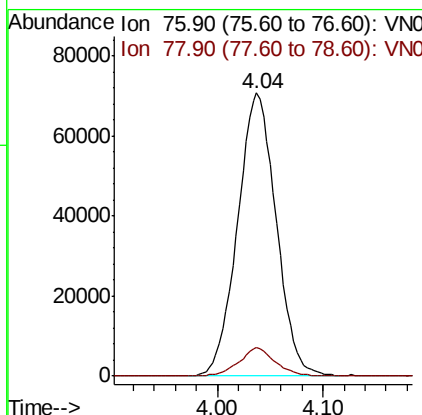
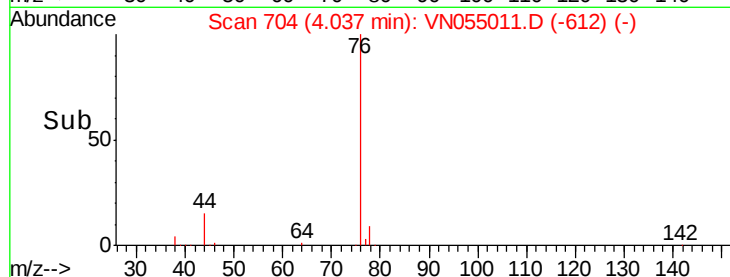
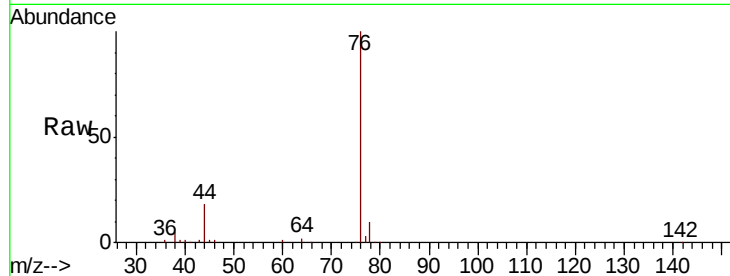




#17
Carbon Disulfide
Concen: 17.600 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

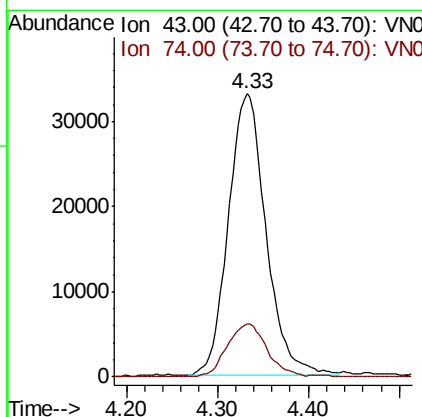
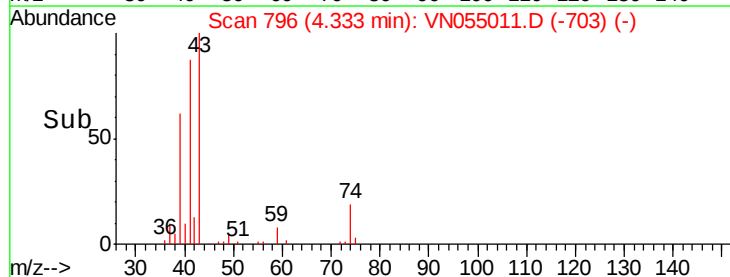
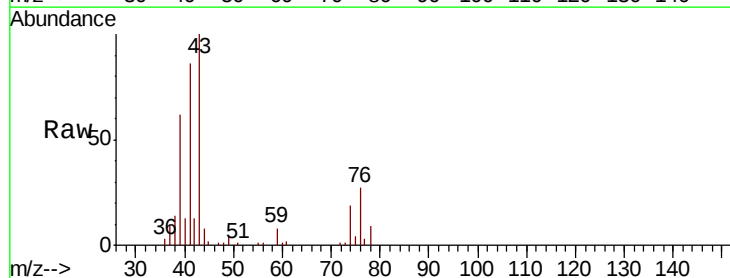
Instrument :
MSVOA_N
ClientSampled :

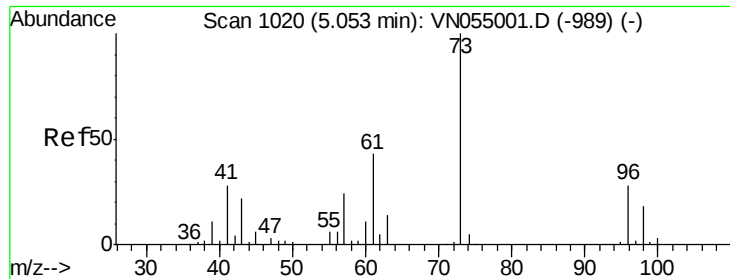
Tot Ion: 76 Resp: 179785
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8



#18
Methyl Acetate
Concen: 21.906 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion: 43 Resp: 94962
Ion Ratio Lower Upper
43 100
74 19.8 16.1 24.1

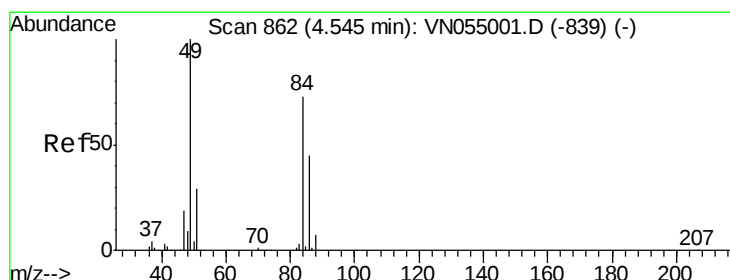
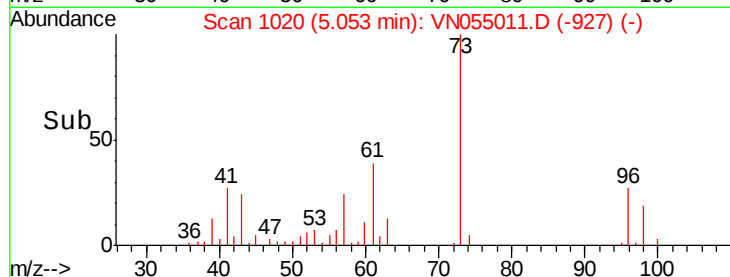
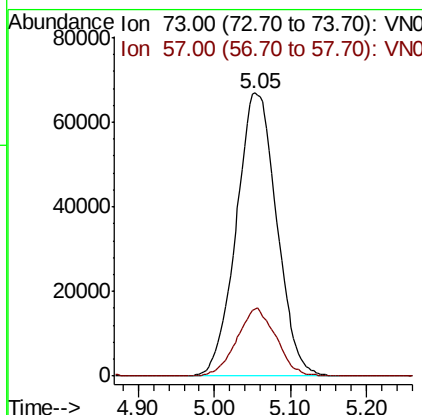
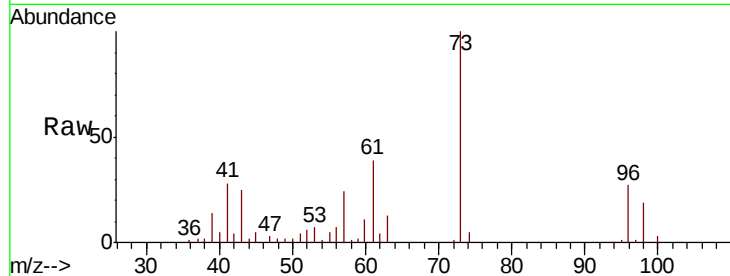




#19
Methyl tert-butyl Ether
Concen: 22.043 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

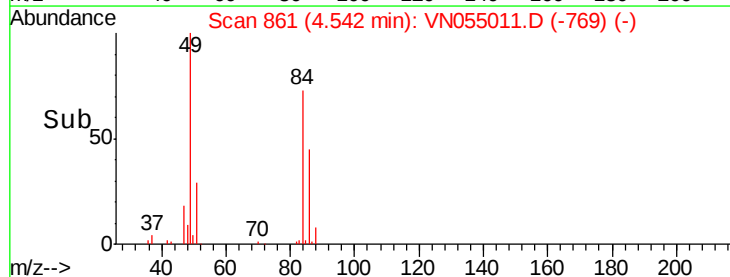
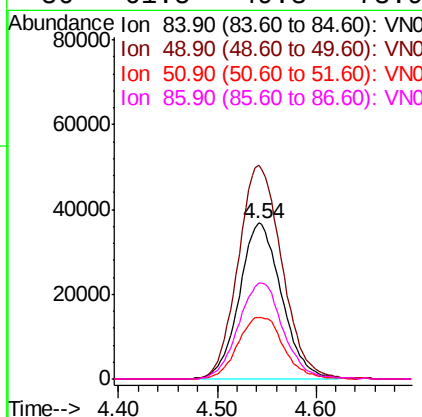
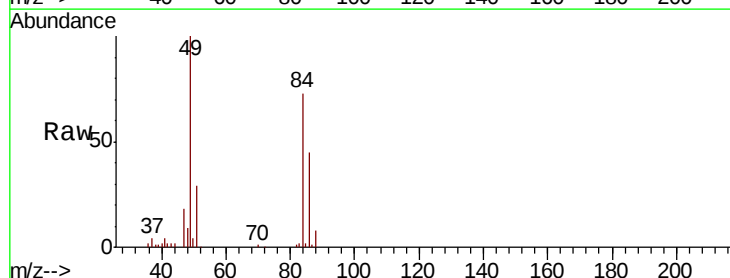
Instrument :
MSVOA_N
ClientSampleId :

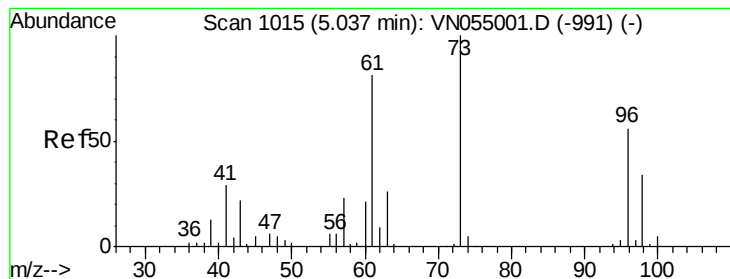
Tot Ion: 73 Resp: 247009
Ion Ratio Lower Upper
73 100
57 23.9 19.0 28.4



#20
Methylene Chloride
Concen: 23.253 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion: 84 Resp: 109221
Ion Ratio Lower Upper
84 100
49 137.2 109.4 164.2
51 39.7 32.2 48.4
86 61.5 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 20.906 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :
MSVOA_N
ClientSampled :

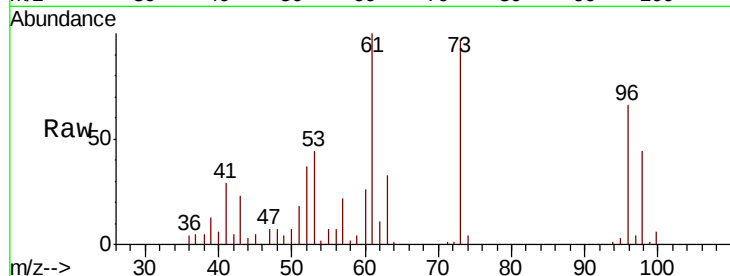
Tot Ion: 96 Resp: 86378

Ion Ratio Lower Upper

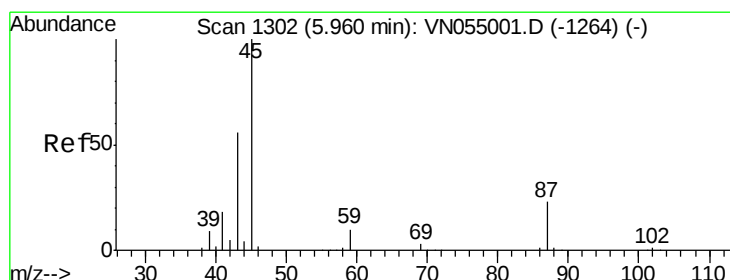
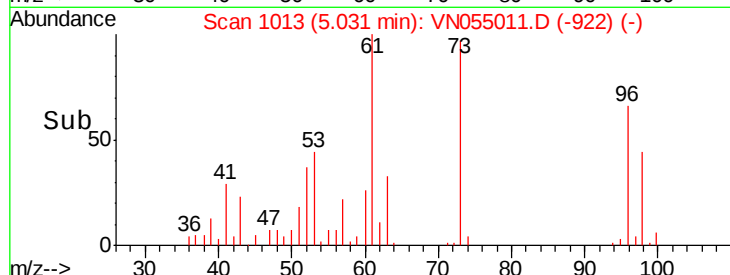
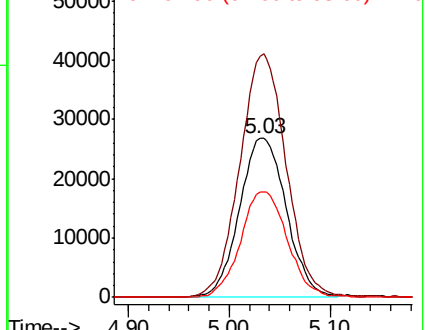
96 100

61 151.1 114.9 172.3

98 66.2 48.4 72.6



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



#22

Diisopropyl ether

Concen: 21.828 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Tgt Ion: 45 Resp: 339140

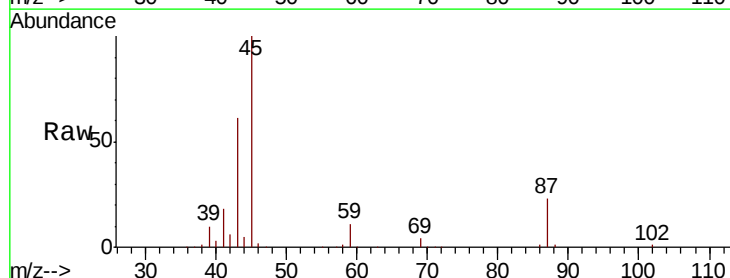
Ion Ratio Lower Upper

45 100

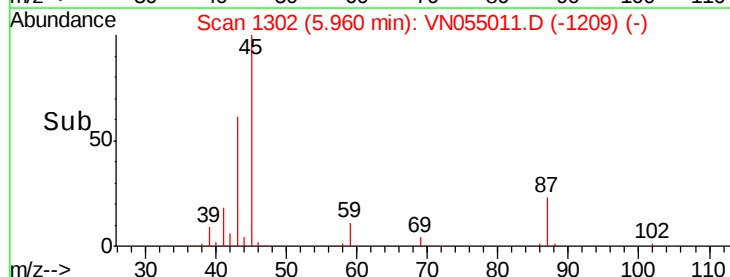
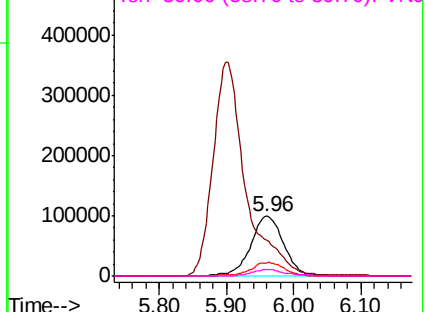
43 59.6 44.8 67.2

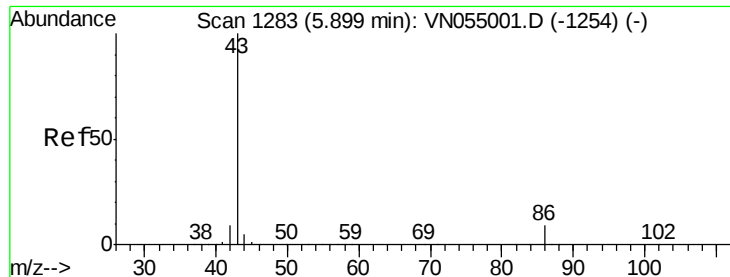
87 22.4 18.9 28.3

59 10.9 7.9 11.9



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 110.430 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

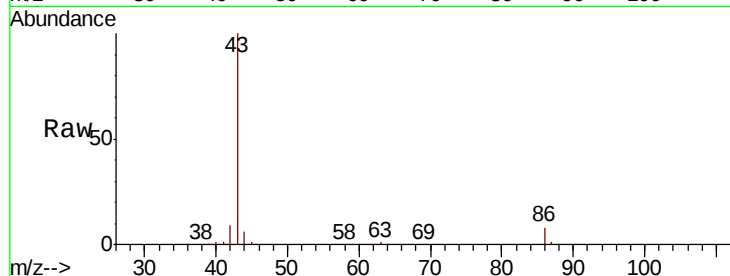
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1200054

Ion Ratio Lower Upper

43 100

86 8.4 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VN055011.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN055011.D (-1254) (-)

5.90

400000

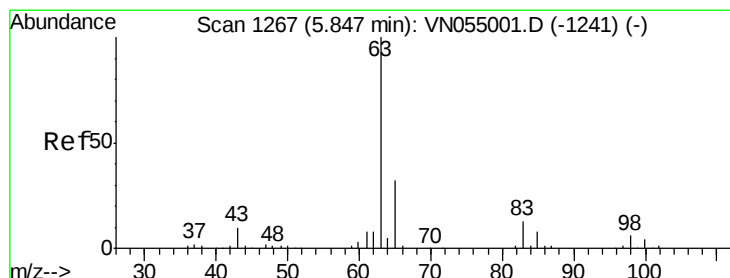
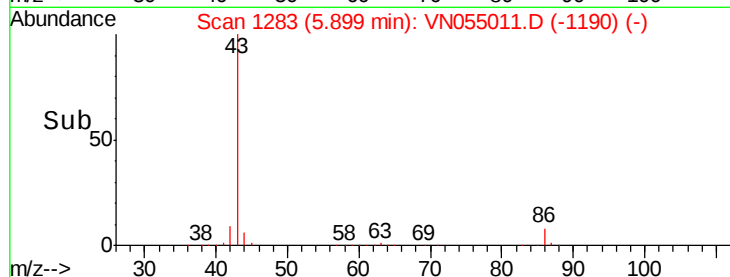
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.861 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

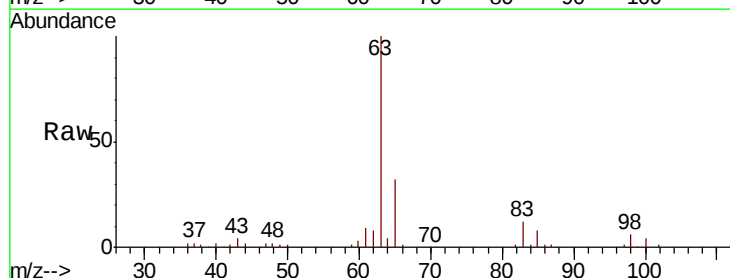
Tgt Ion: 63 Resp: 175053

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN055011.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055011.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055011.D (-1241) (-)

5.84

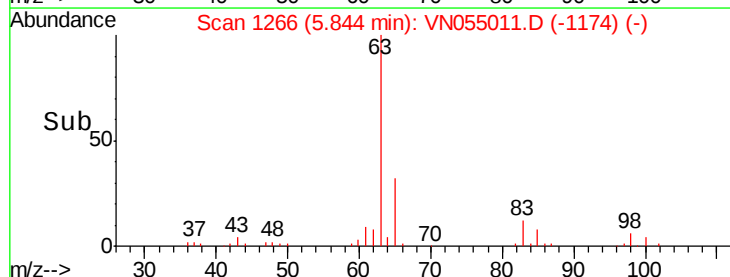
60000

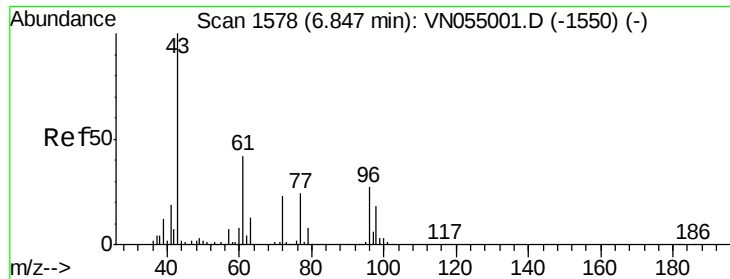
40000

20000

0

Time-->

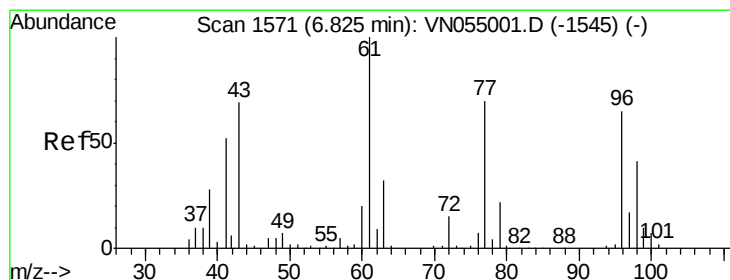
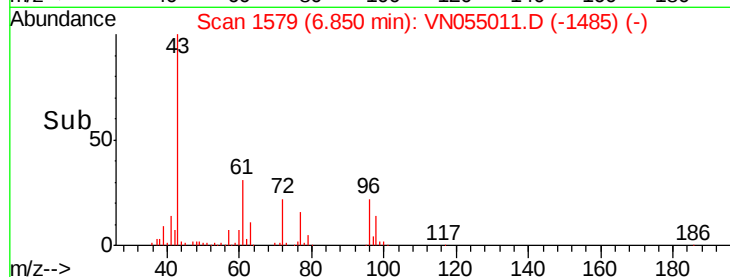
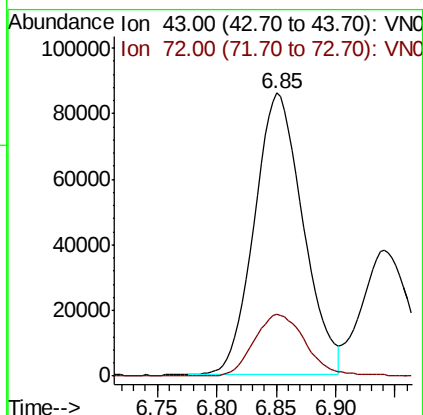
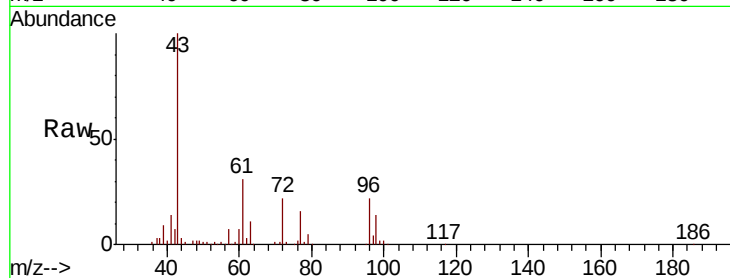




#25
2-Butanone
Concen: 113.399 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

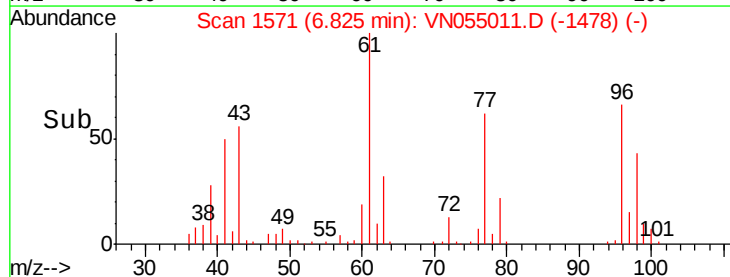
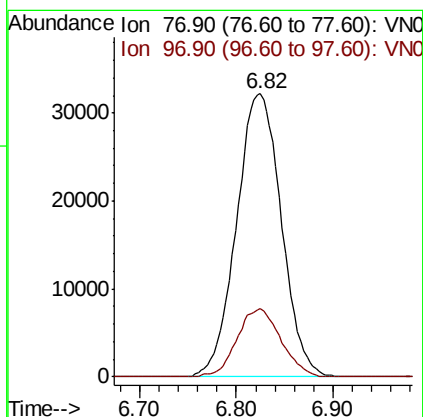
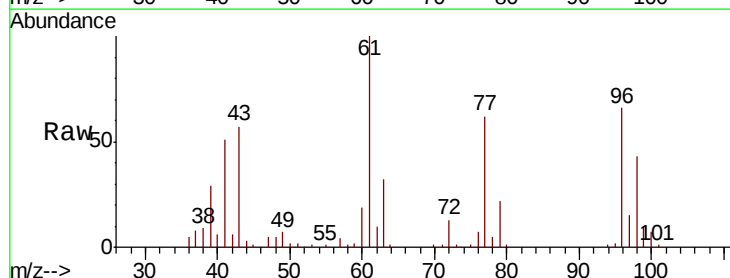
Instrument :
MSVOA_N
ClientSampled :

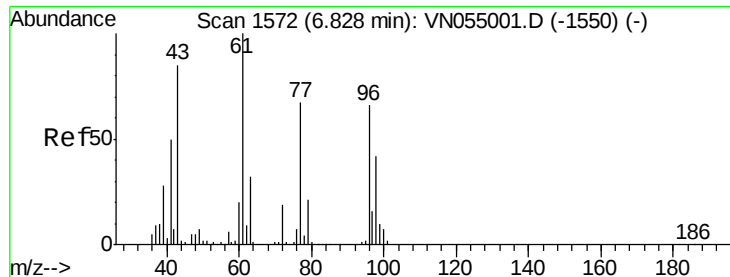
Tot Ion: 43 Resp: 244243
Ion Ratio Lower Upper
43 100
72 21.9 18.1 27.1



#26
2,2-Dichloropropane
Concen: 18.655 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion: 77 Resp: 103568
Ion Ratio Lower Upper
77 100
97 23.5 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 21.233 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

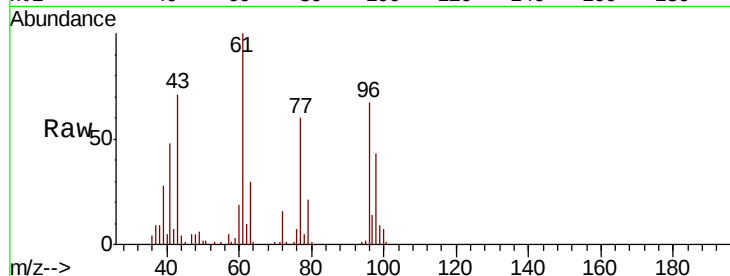
Tot Ion: 96 Resp: 101912

Ion Ratio Lower Upper

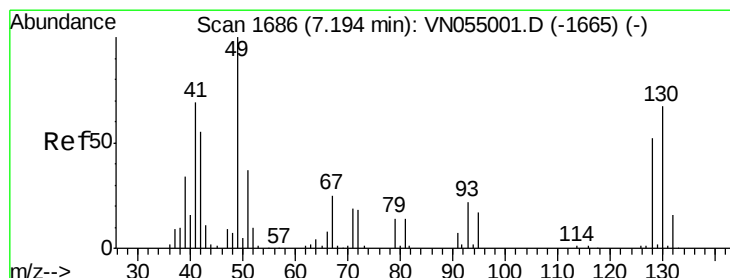
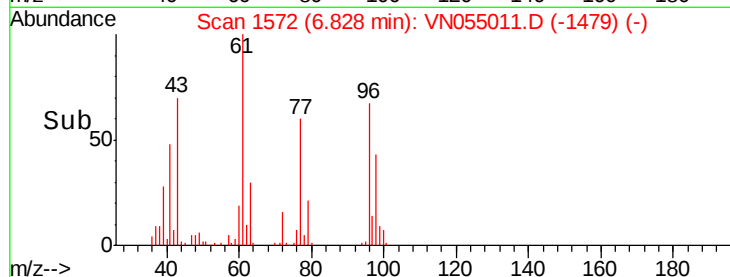
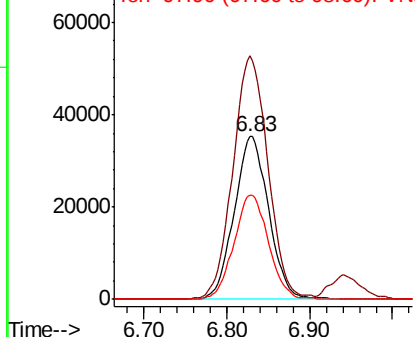
96 100

61 151.5 0.0 311.0

98 64.4 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: 21.886 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

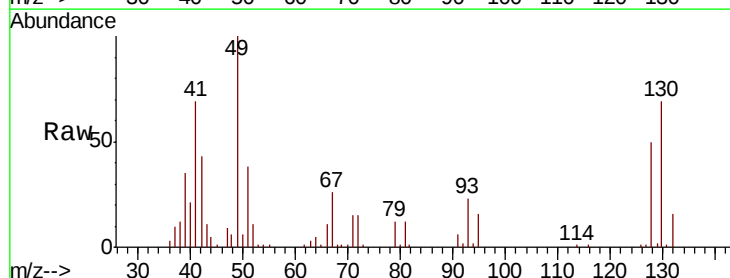
Tgt Ion: 49 Resp: 87137

Ion Ratio Lower Upper

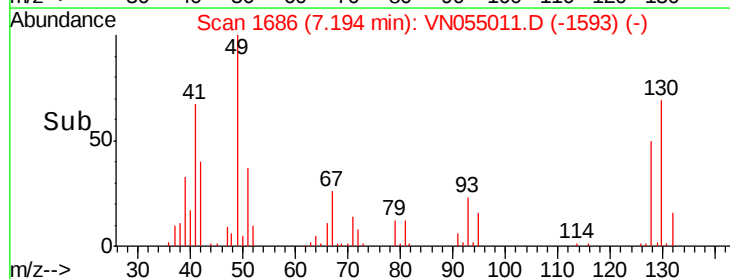
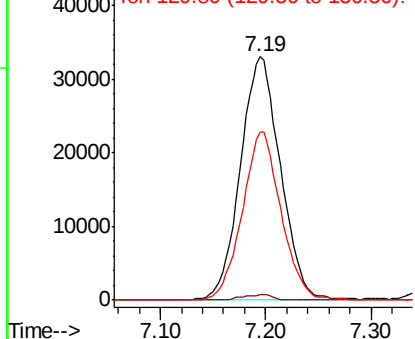
49 100

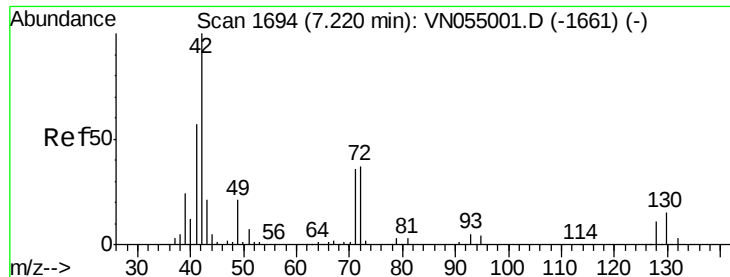
129 1.6 0.0 2.0

130 66.6 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

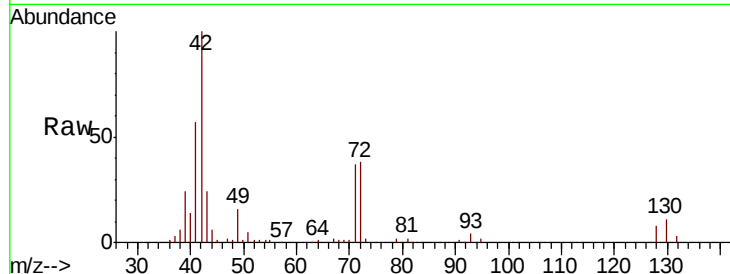




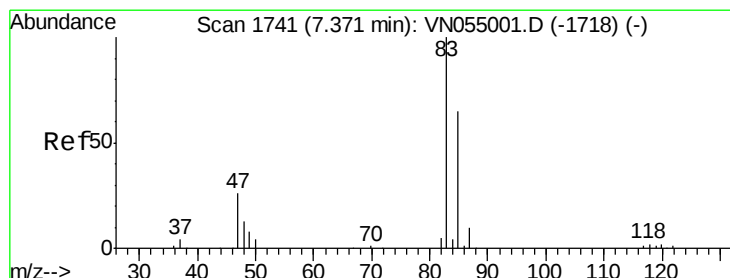
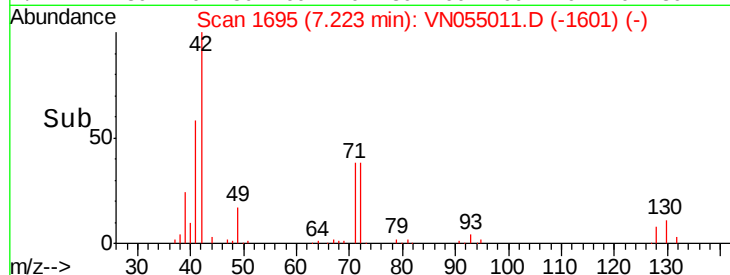
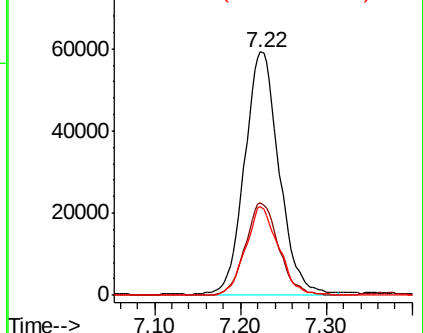
#29
Tetrahydrofuran
Concen: 116.495 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 164483
Ion Ratio Lower Upper
42 100
72 37.2 29.4 44.0
71 35.3 27.8 41.6

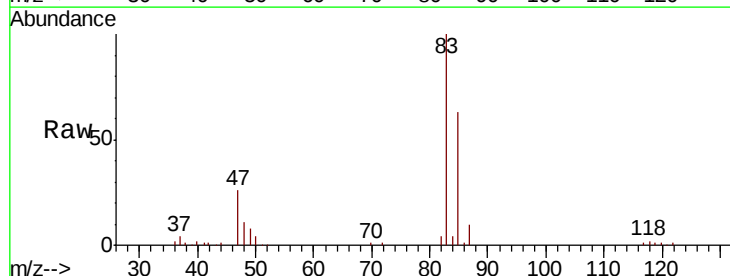


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

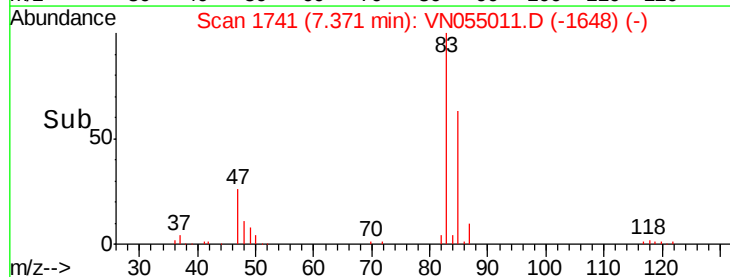
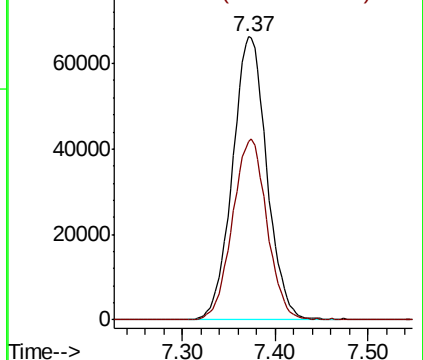


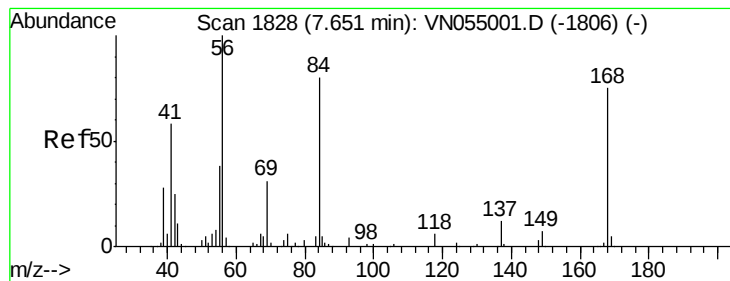
#30
Chloroform
Concen: 21.250 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion: 83 Resp: 170045
Ion Ratio Lower Upper
83 100
85 63.0 51.8 77.6



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





#31

Cyclohexane

Concen: 20.314 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :
MSVOA_N
ClientSampled :

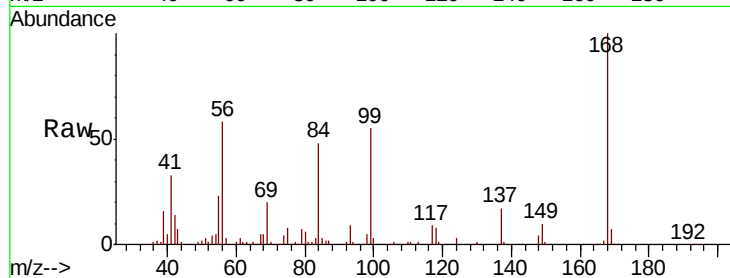
Tot Ion: 56 Resp: 163976

Ion Ratio Lower Upper

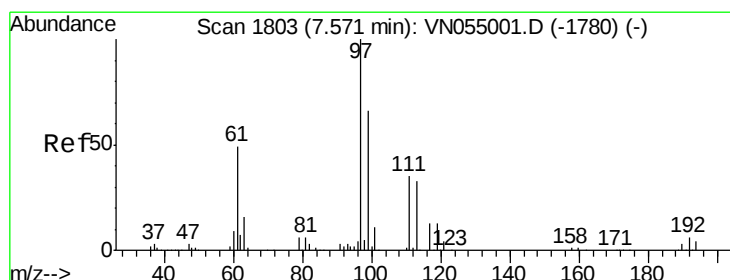
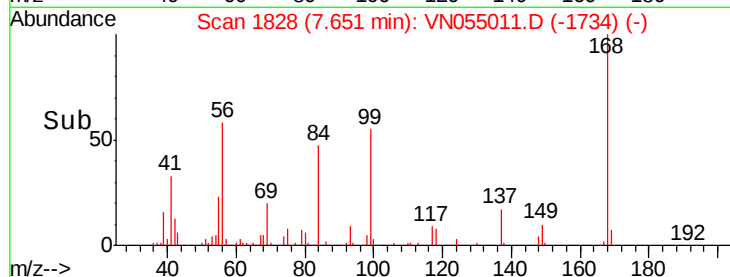
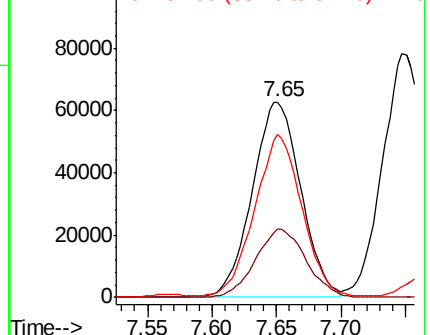
56 100

69 34.7 24.5 36.7

84 82.4 62.9 94.3



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 21.003 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

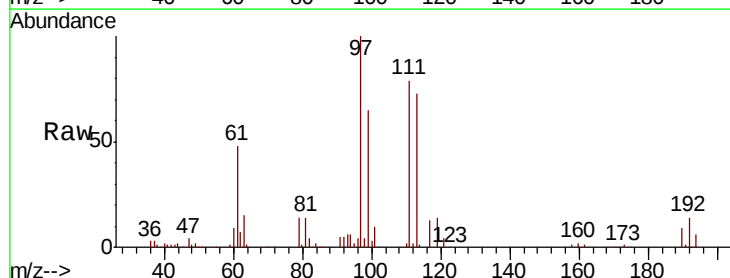
Tgt Ion: 97 Resp: 133891

Ion Ratio Lower Upper

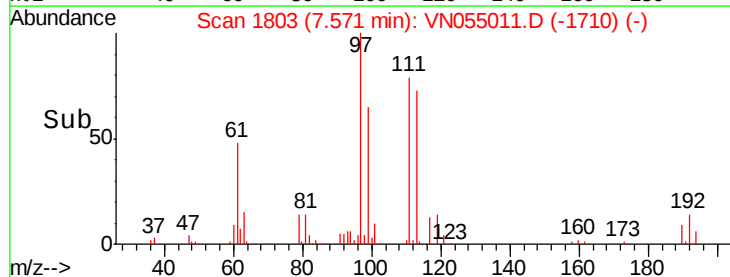
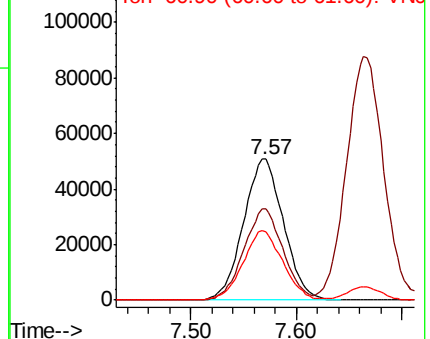
97 100

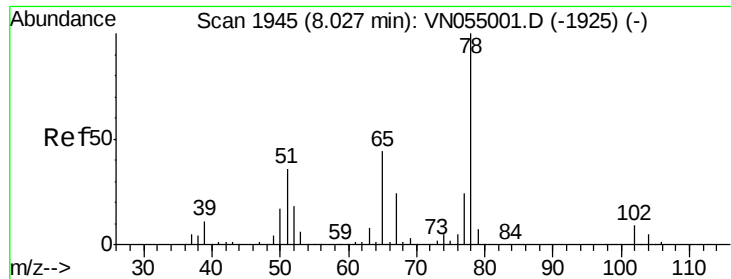
99 63.5 51.6 77.4

61 48.8 38.3 57.5



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

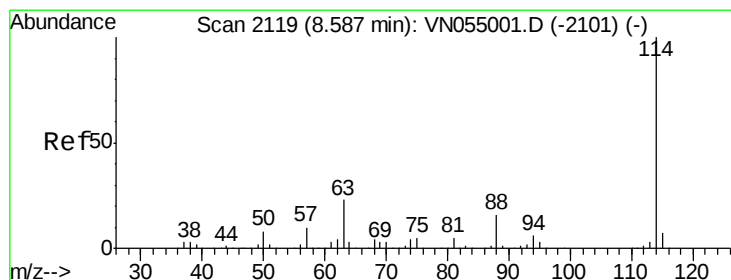
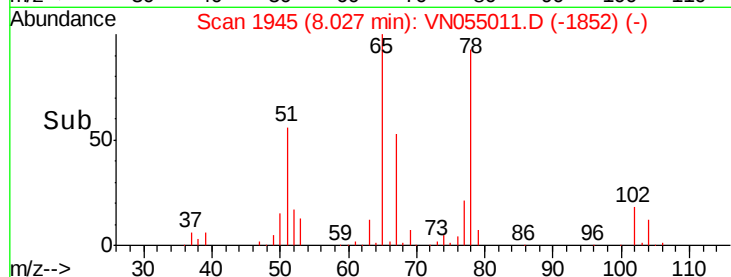
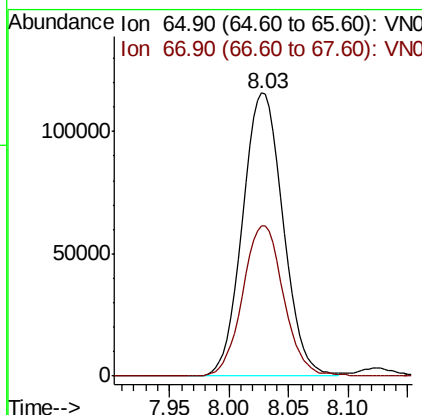
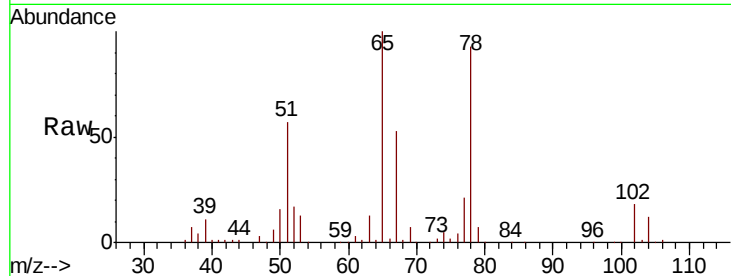




#33
 1,2-Dichloroethane-d4
 Concen: 53.689 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

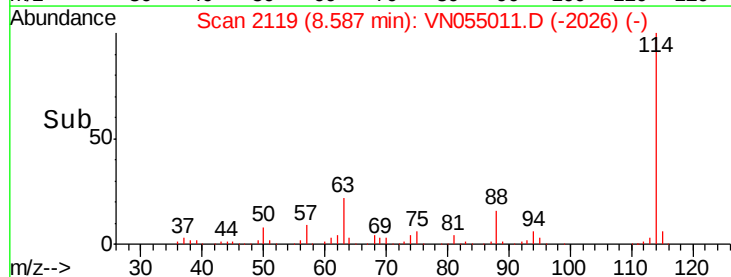
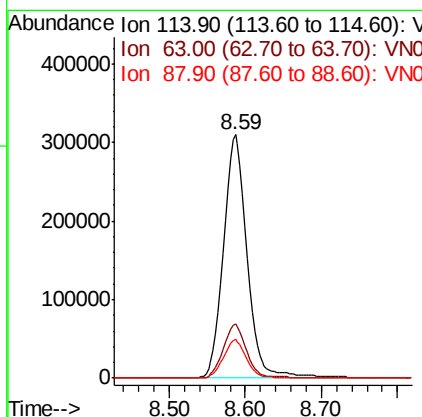
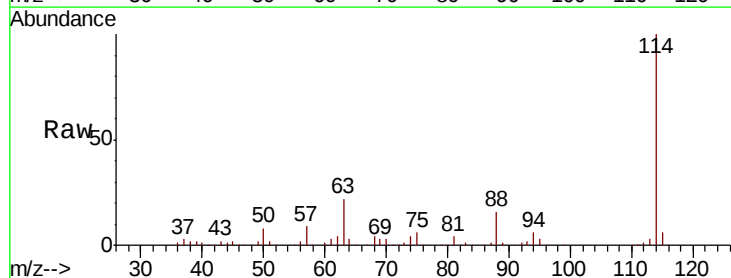
Instrument :
 MSVOA_N
 ClientSampled :

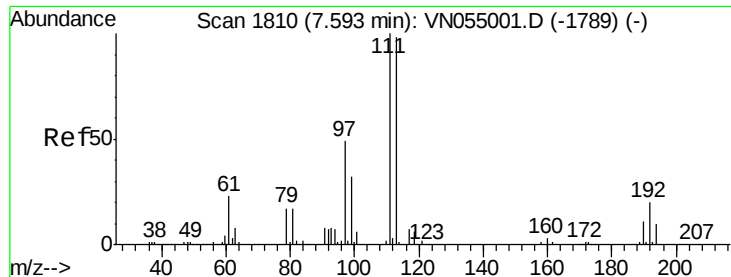
Tot Ion: 65 Resp: 273309
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

Tgt Ion: 114 Resp: 671541
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 45.2
 88 15.8 0.0 31.8

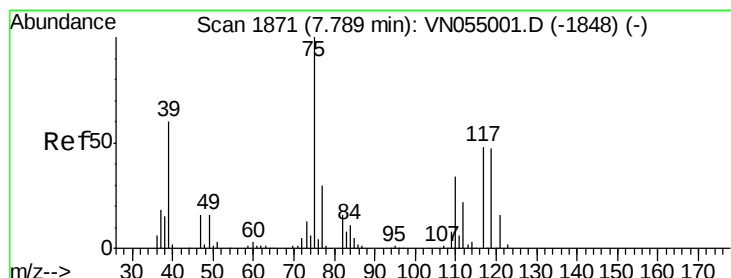
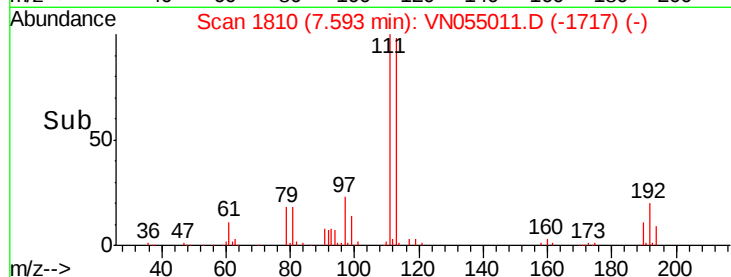
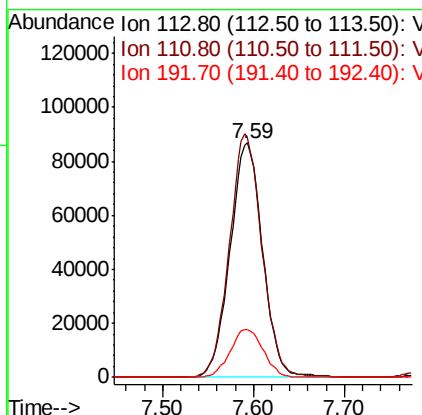
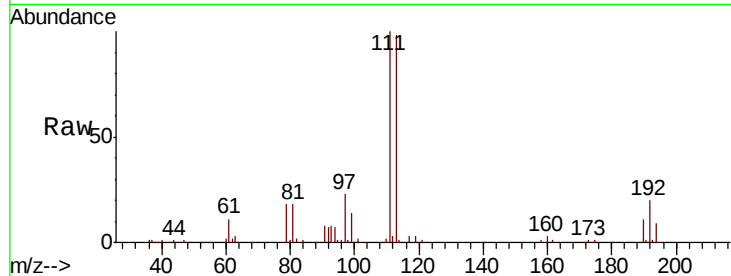




#35
 Dibromofluoromethane
 Concen: 50.536 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

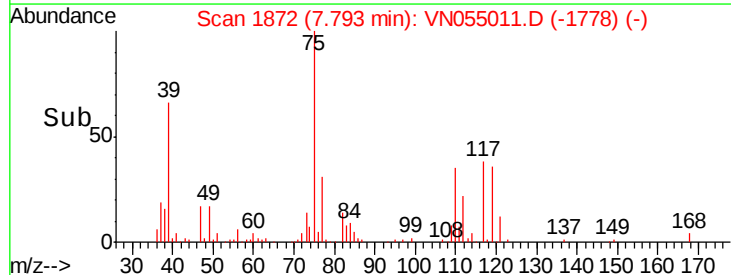
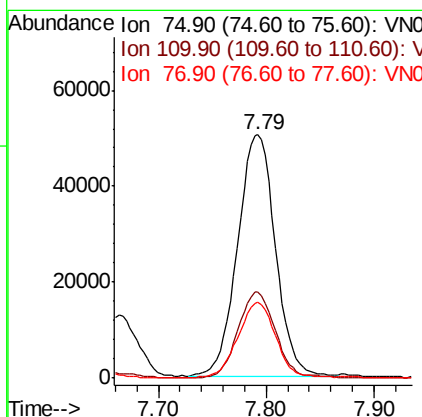
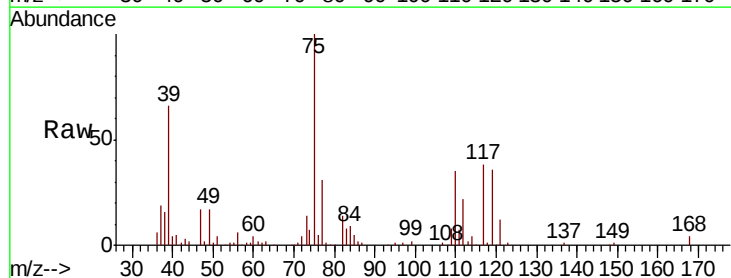
Instrument :
 MSVOA_N
 ClientSampleId :

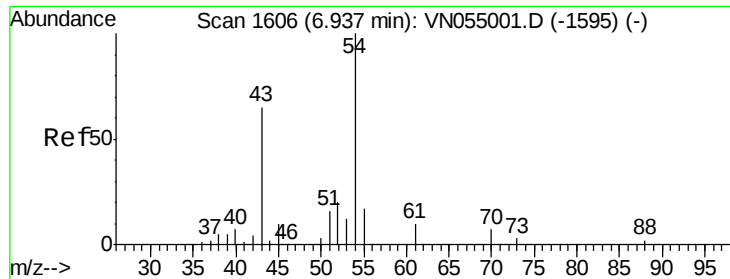
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.1	123.1
192	20.8	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 19.743 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.5	52.5
77	31.6	24.9	37.3

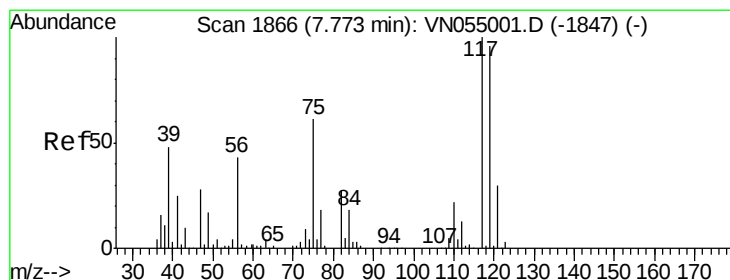
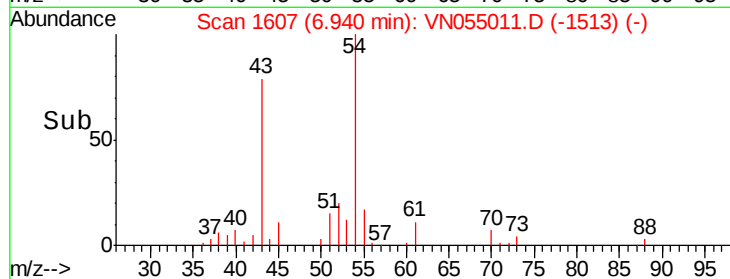
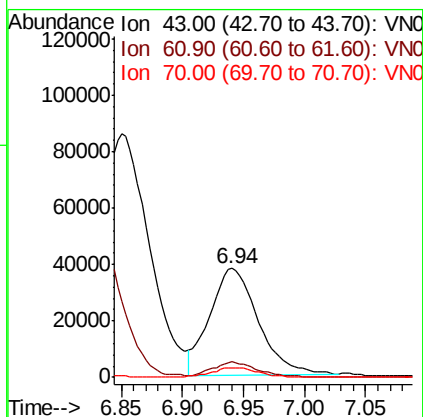
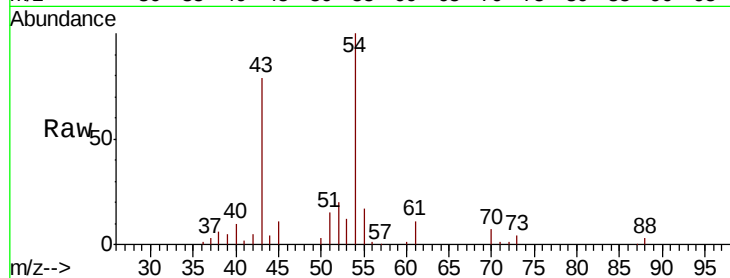




#37
Ethyl Acetate
Concen: 22.411 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

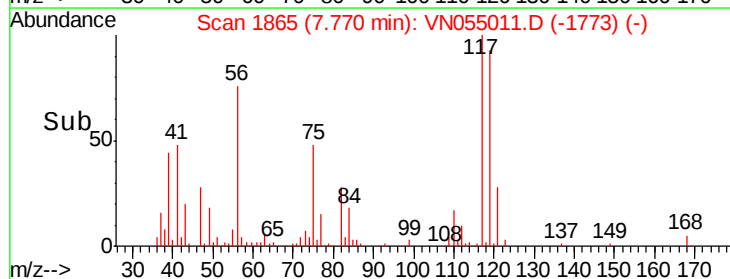
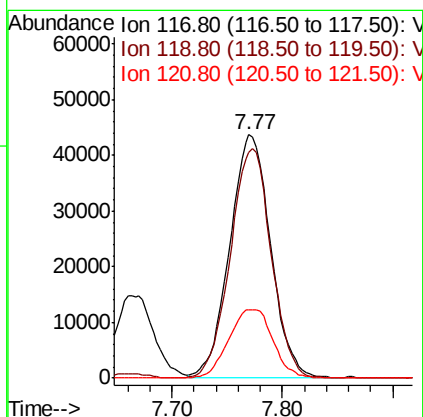
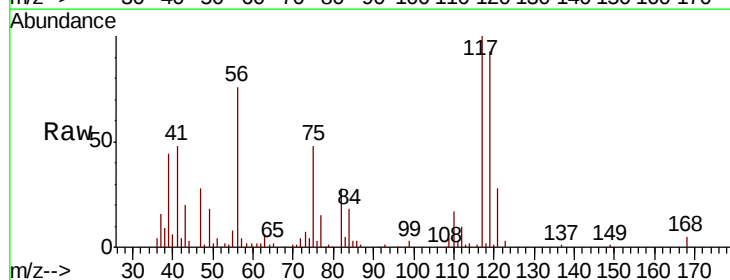
Instrument :
MSVOA_N
ClientSampled :

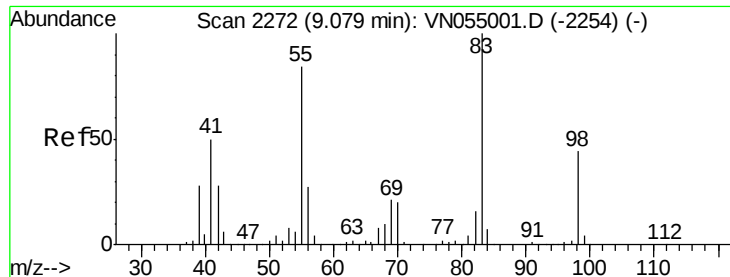
Tot Ion: 43 Resp: 104419
Ion Ratio Lower Upper
43 100
61 13.6 10.0 15.0
70 8.7 7.1 10.7



#38
Carbon Tetrachloride
Concen: 19.045 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion: 117 Resp: 111264
Ion Ratio Lower Upper
117 100
119 93.2 76.3 114.5
121 28.3 23.9 35.9

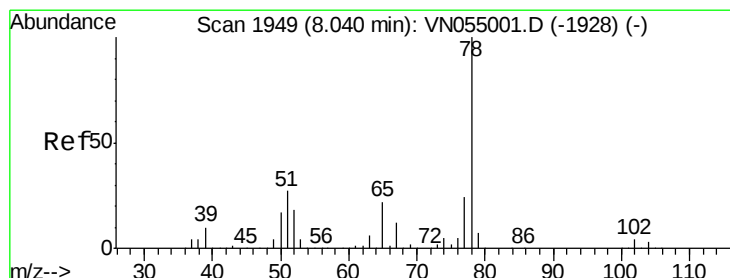
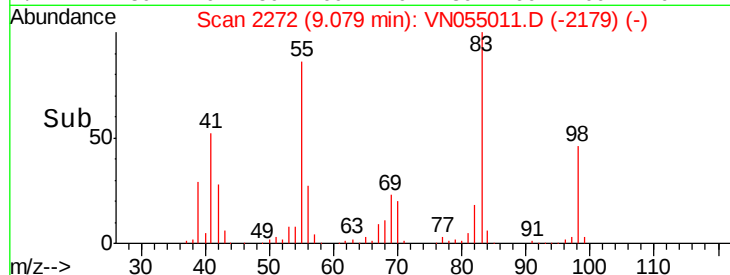
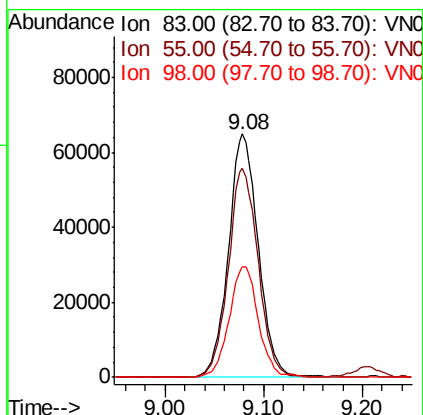
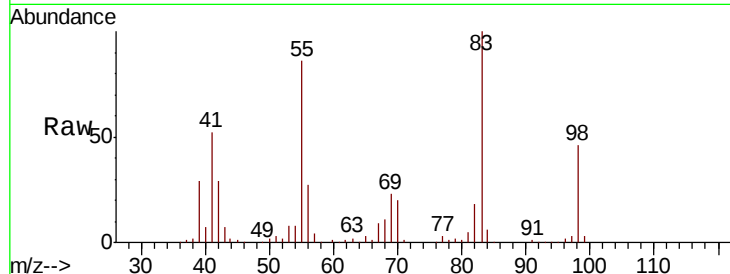




#39
Methvlcvclohexane
Concen: 19.231 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

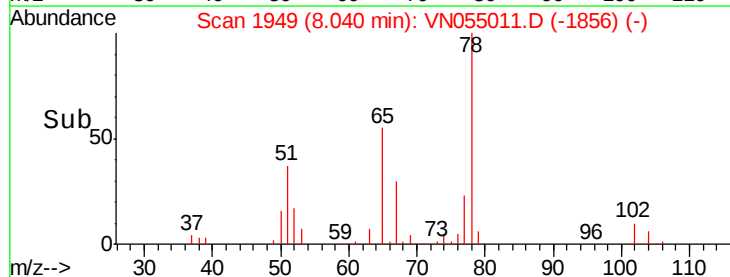
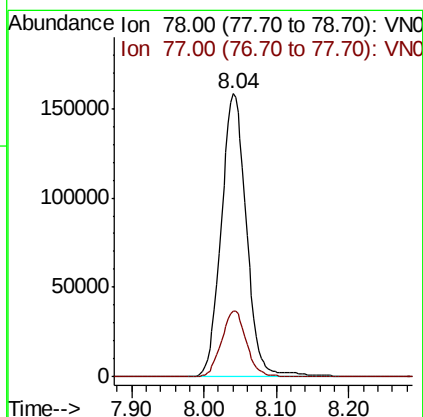
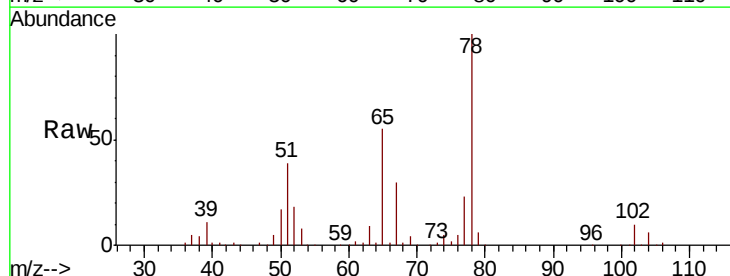
Instrument :
MSVOA_N
ClientSampleId :

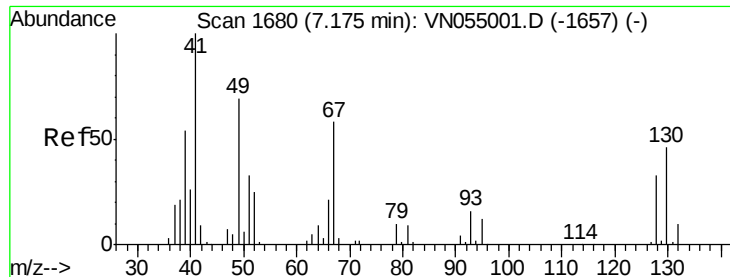
Tot Ion: 83 Resp: 136638
Ion Ratio Lower Upper
83 100
55 86.0 67.0 100.4
98 45.5 35.6 53.4



#40
Benzene
Concen: 20.387 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion: 78 Resp: 382531
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

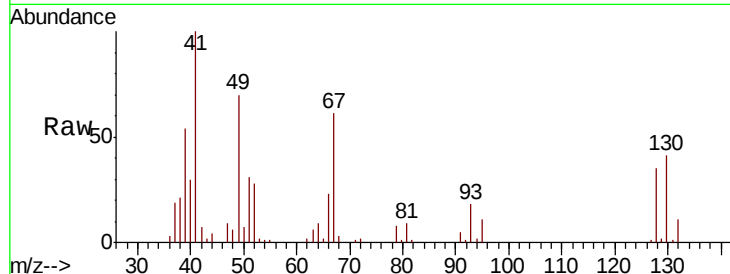




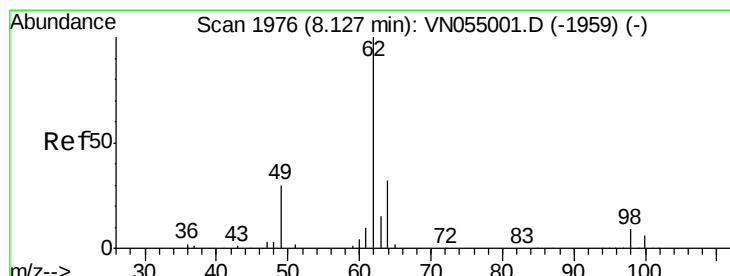
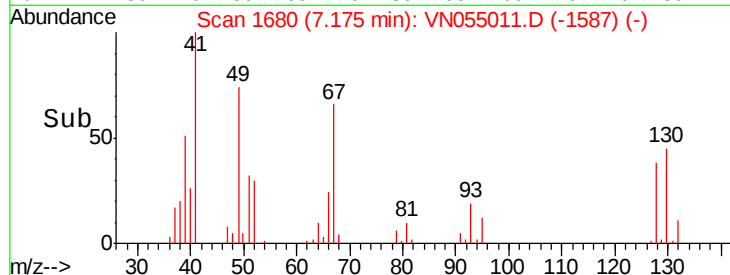
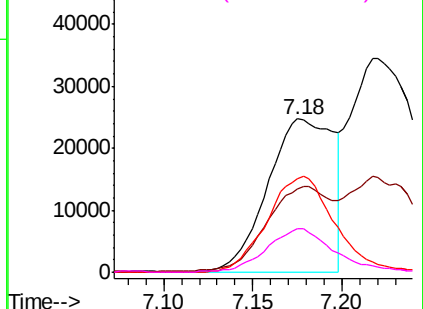
#41
Methacrylonitrile
Concen: 22.265 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 63831
Ion Ratio Lower Upper
41 100
39 54.6 45.6 68.4
67 64.0 57.0 85.6
52 29.7 23.6 35.4

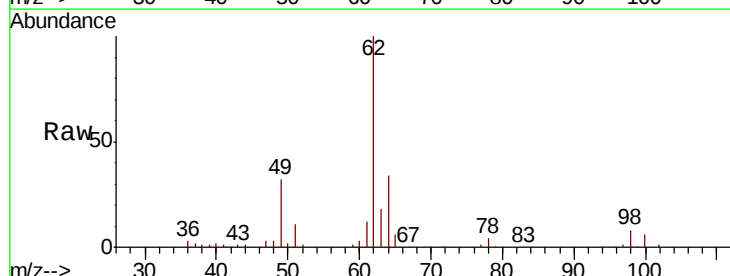


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

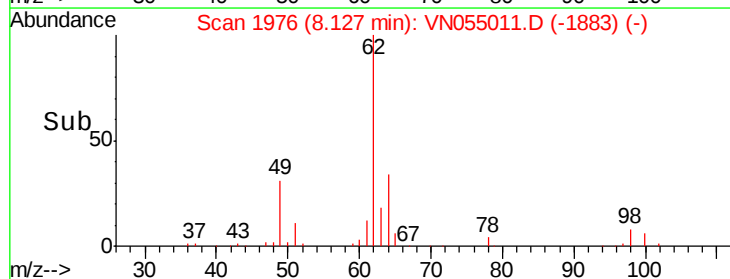
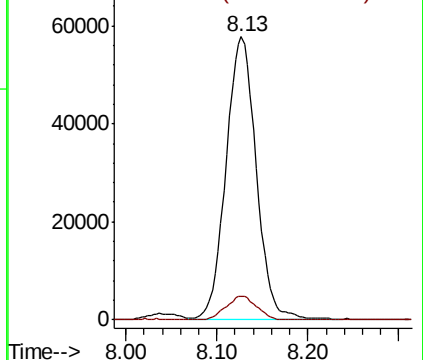


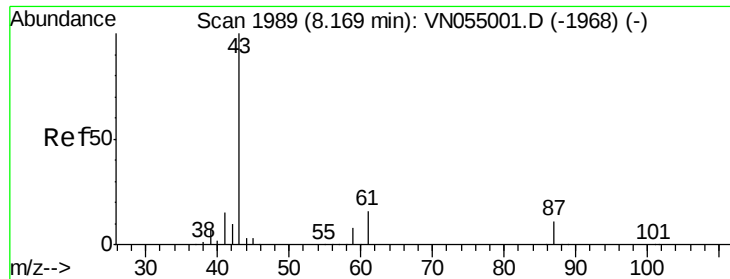
#42
1,2-Dichloroethane
Concen: 20.106 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion: 62 Resp: 132719
Ion Ratio Lower Upper
62 100
98 8.5 0.0 17.4



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





#43

Isopropyl Acetate

Concen: 21.668 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampled :

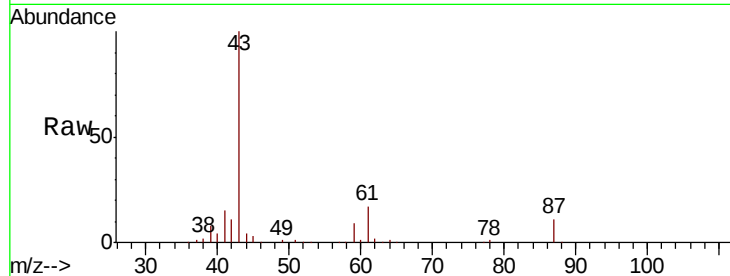
Tot Ion: 43 Resp: 172627

Ion Ratio Lower Upper

43 100

61 17.2 14.3 21.5

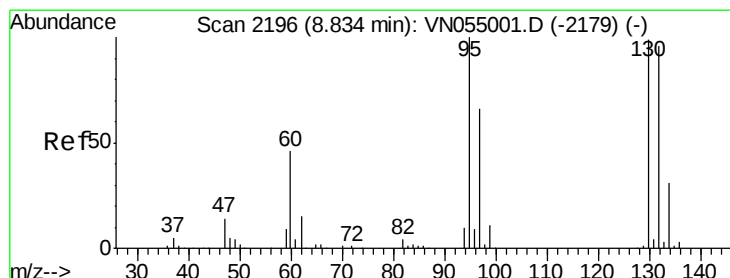
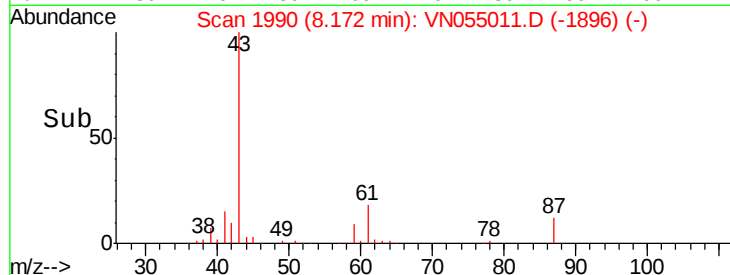
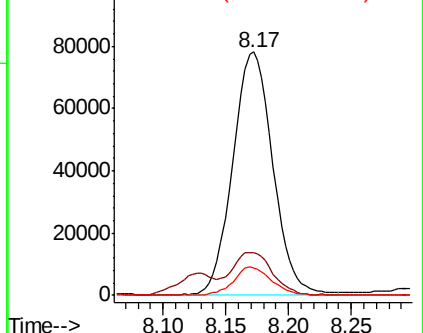
87 11.0 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055011.D (-1990) (-)

Ion 61.00 (60.70 to 61.70): VN055011.D (-1990) (-)

Ion 87.00 (86.70 to 87.70): VN055011.D (-1990) (-)



#44

Trichloroethene

Concen: 20.038 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055011.D

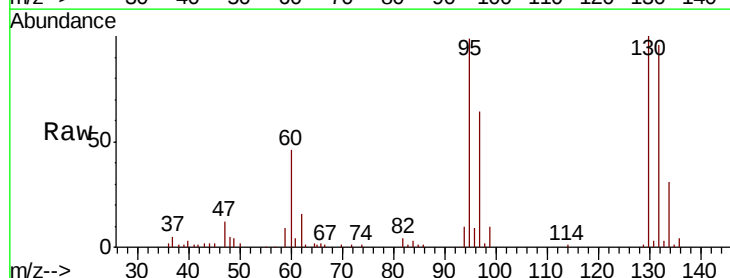
Acq: 12 Apr 2019 20:39

Tgt Ion:130 Resp: 96087

Ion Ratio Lower Upper

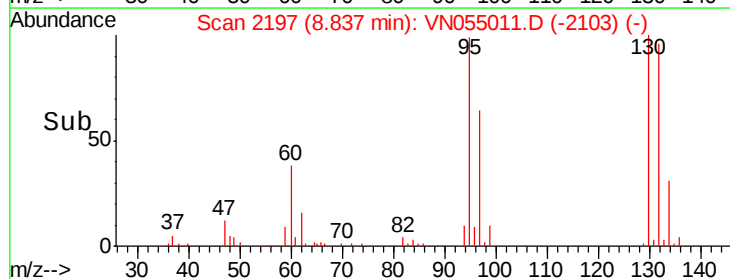
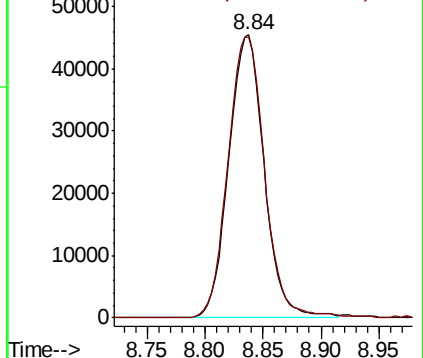
130 100

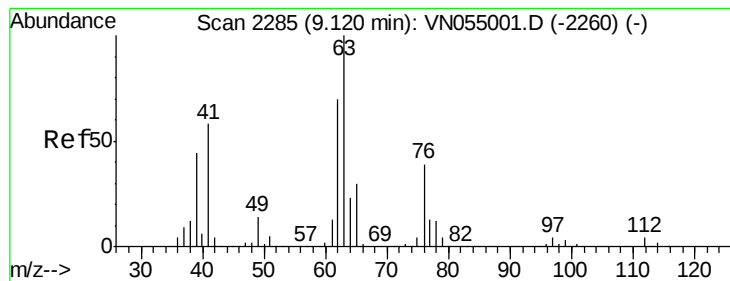
95 99.1 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN055011.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN055011.D (-2197) (-)





#45

1,2-Dichloropropane

Concen: 20.118 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

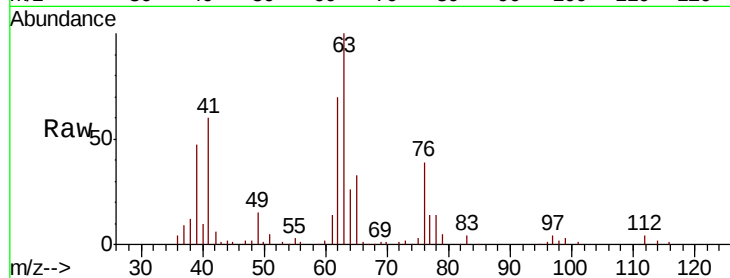
ClientSampled :

Tot Ion: 63 Resp: 106530

Ion Ratio Lower Upper

63 100

65 32.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN055011.D (-2260) (-)

Ion 64.90 (64.60 to 65.60): VN055011.D (-2260) (-)

9.12

50000

40000

30000

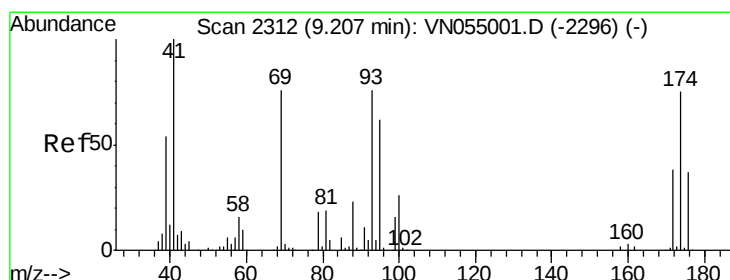
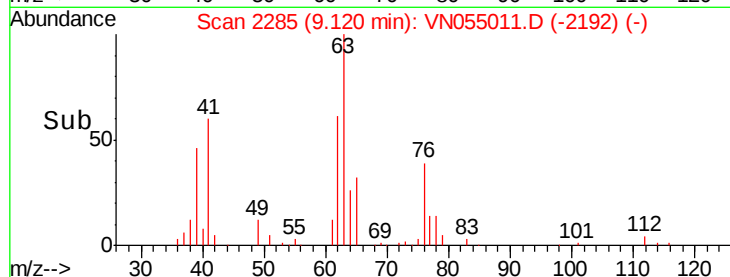
20000

10000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 20.739 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

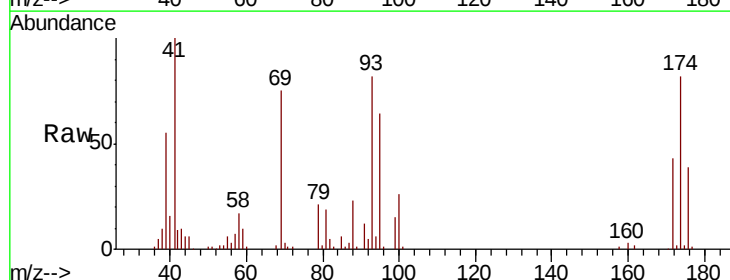
Tgt Ion: 93 Resp: 62923

Ion Ratio Lower Upper

93 100

95 81.0 65.0 97.6

174 104.8 81.0 121.6



Abundance Ion 92.80 (92.50 to 93.50): VN055011.D (-2296) (-)

Ion 94.80 (94.50 to 95.50): VN055011.D (-2296) (-)

Ion 173.70 (173.40 to 174.40): VN055011.D (-2296) (-)

9.21

40000

30000

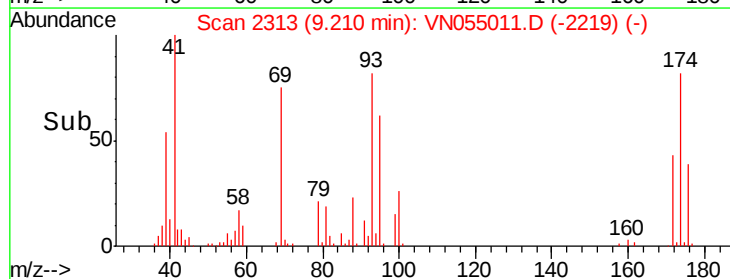
20000

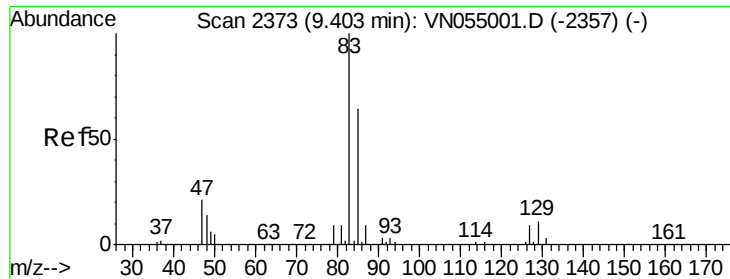
10000

0

9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 20.129 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

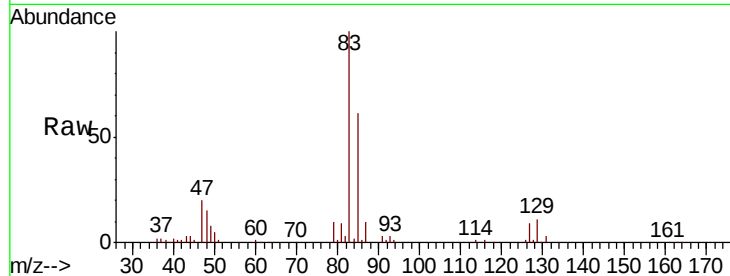
Tot Ion: 83 Resp: 124195

Ion Ratio Lower Upper

83 100

85 61.1 51.2 76.8

127 8.6 6.8 10.2

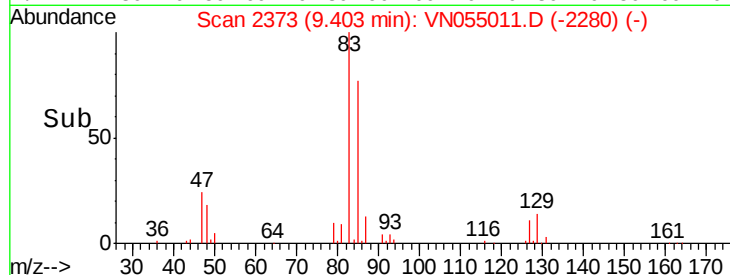


Abundance Ion 82.90 (82.60 to 83.60): VN055011.D (-2357) (-)

Ion 84.90 (84.60 to 85.60): VN055011.D (-2357) (-)

Ion 126.80 (126.50 to 127.50): VN055011.D (-2357) (-)

Time-->

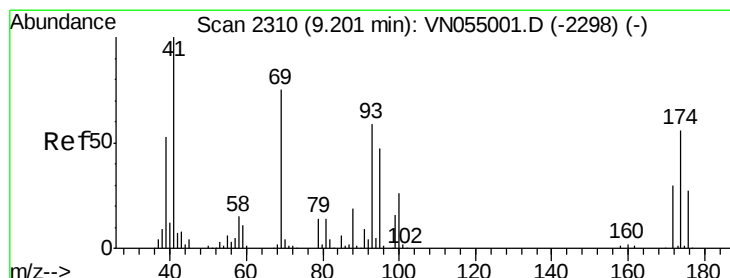


Abundance Ion 82.90 (82.60 to 83.60): VN055011.D (-2357) (-)

Ion 84.90 (84.60 to 85.60): VN055011.D (-2357) (-)

Ion 126.80 (126.50 to 127.50): VN055011.D (-2357) (-)

Time-->



#48

Methyl methacrylate

Concen: 21.212 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

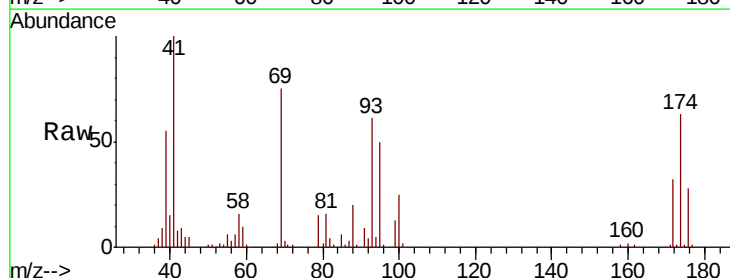
Tgt Ion: 41 Resp: 87056

Ion Ratio Lower Upper

41 100

69 77.9 60.5 90.7

39 53.8 43.9 65.9

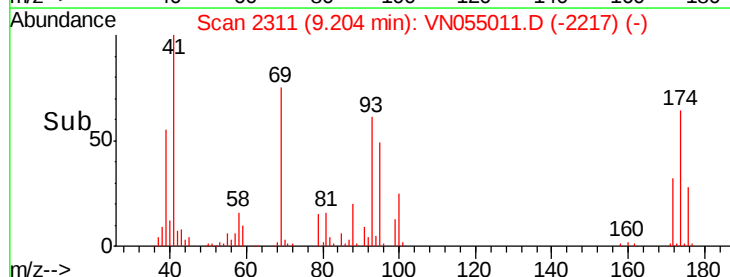


Abundance Ion 41.00 (40.70 to 41.70): VN055011.D (-2310) (-)

Ion 69.00 (68.70 to 69.70): VN055011.D (-2310) (-)

Ion 39.00 (38.70 to 39.70): VN055011.D (-2310) (-)

Time-->

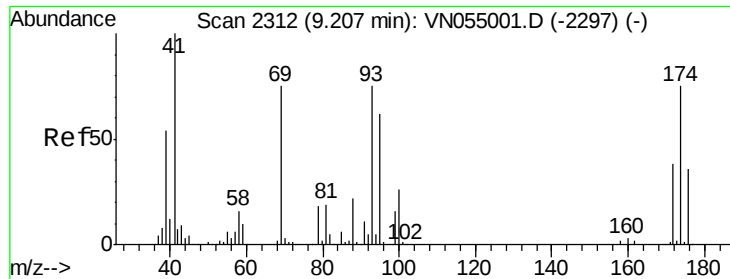


Abundance Ion 41.00 (40.70 to 41.70): VN055011.D (-2310) (-)

Ion 69.00 (68.70 to 69.70): VN055011.D (-2310) (-)

Ion 39.00 (38.70 to 39.70): VN055011.D (-2310) (-)

Time-->



#49

1,4-Dioxane

Concen: 455.577 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

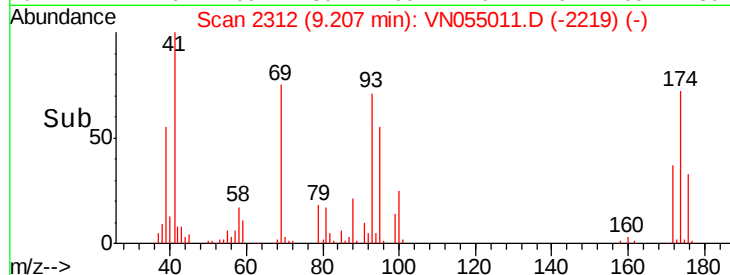
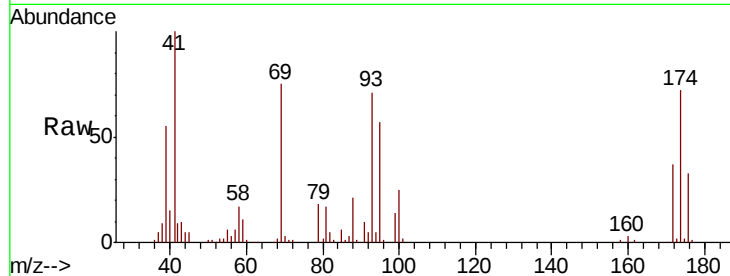
Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 20108

Ion	Ratio	Lower	Upper
88	100		
43	38.1	31.8	47.8
58	74.6	61.6	92.4

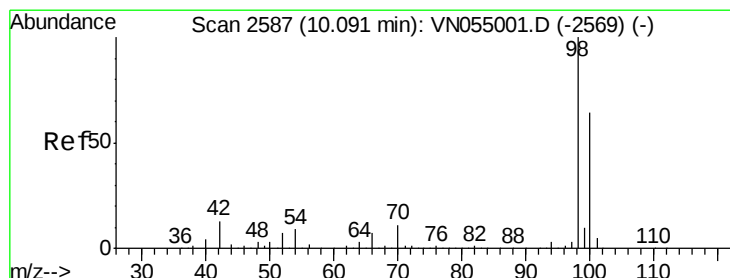
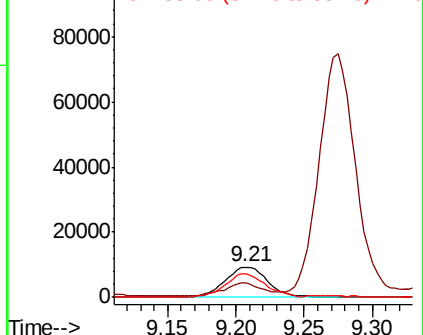


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.828 ug/l

RT: 10.09 min Scan# 2587

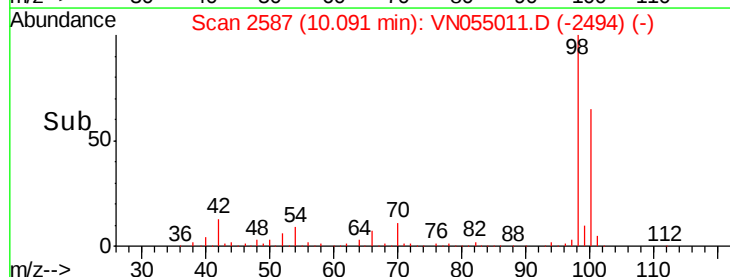
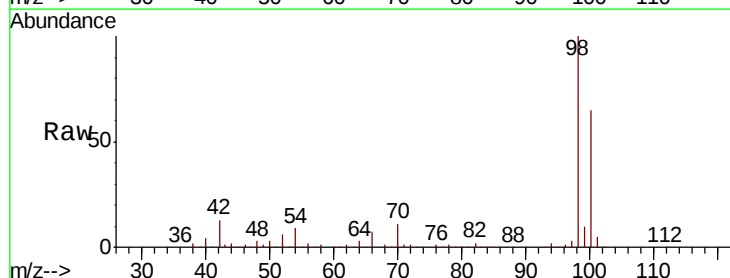
Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Tgt Ion: 98 Resp: 783461

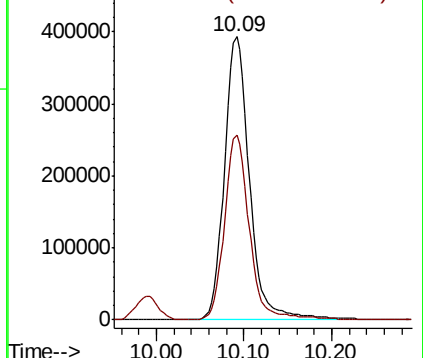
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7

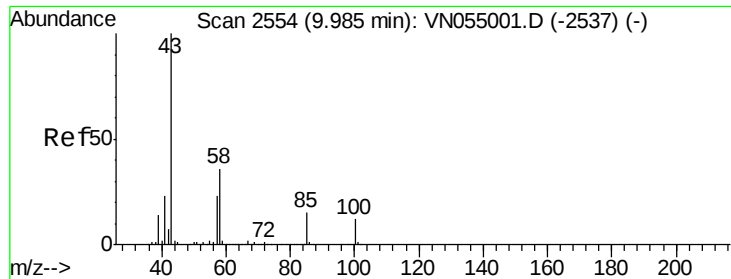


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 110.953 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

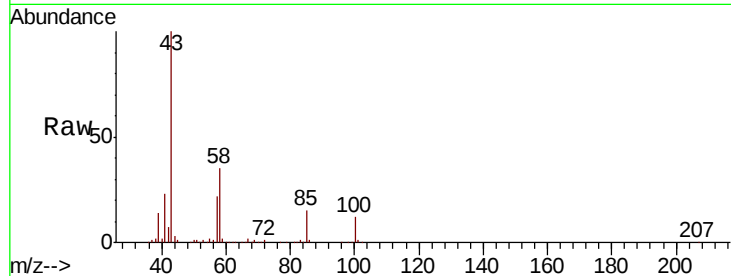
ClientSampleId :

Tot Ion: 43 Resp: 517575

Ion Ratio Lower Upper

43 100

58 34.7 29.0 43.4



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

Ion 58.00 (57.70 to 58.70): VN055001.D (-2537) (-)

9.99

250000

200000

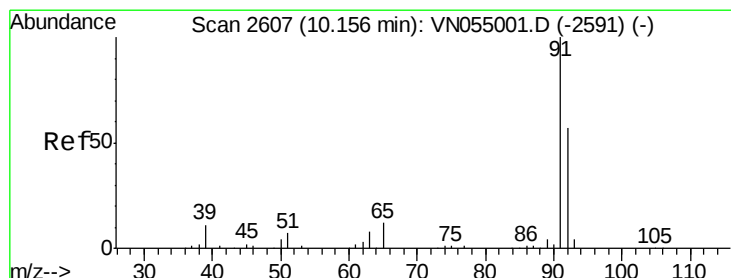
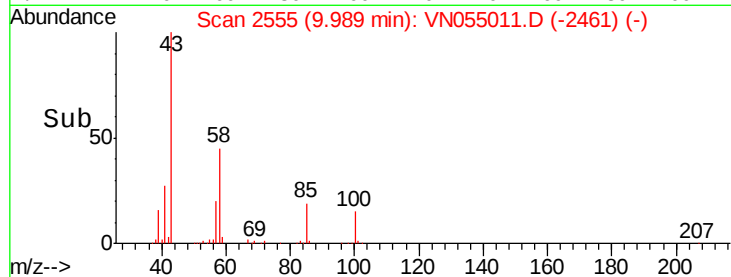
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.125 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055011.D

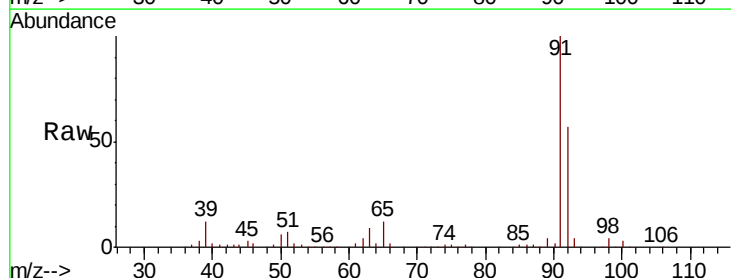
Acq: 12 Apr 2019 20:39

Tgt Ion: 92 Resp: 223332

Ion Ratio Lower Upper

92 100

91 176.2 140.8 211.2



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

Ion 91.00 (90.70 to 91.70): VN055001.D (-2591) (-)

10.16

200000

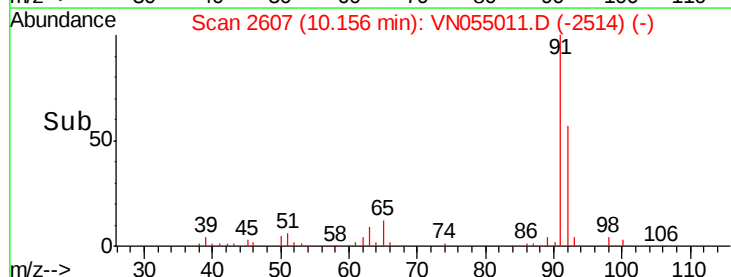
150000

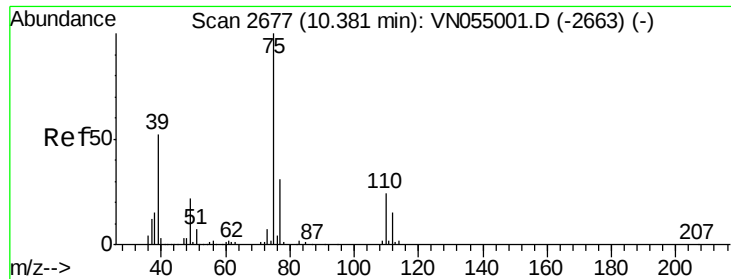
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.409 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

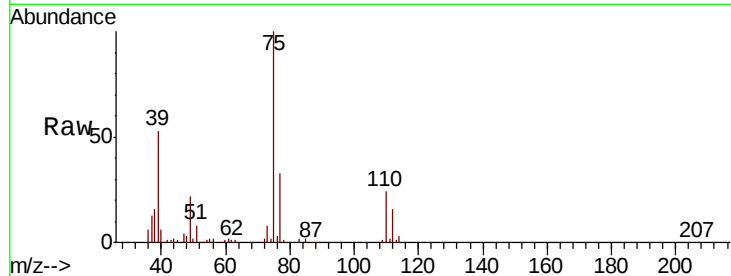
ClientSampleId :

Tot Ion: 75 Resp: 108440

Ion Ratio Lower Upper

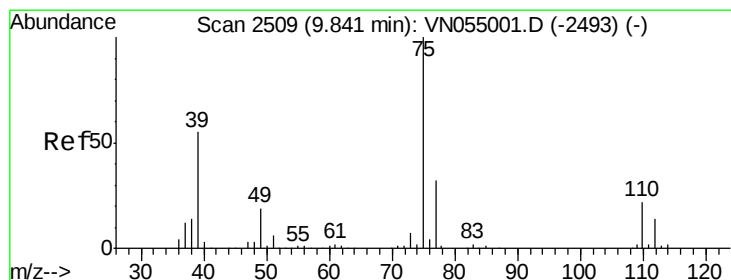
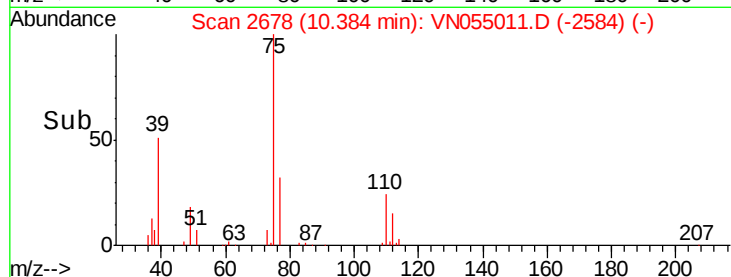
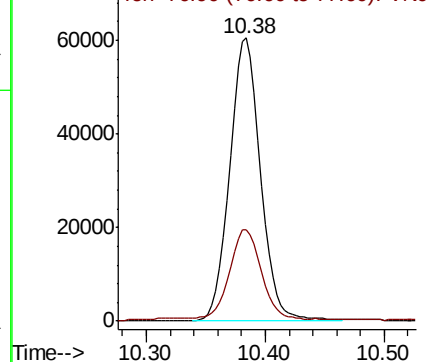
75 100

77 31.7 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.153 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

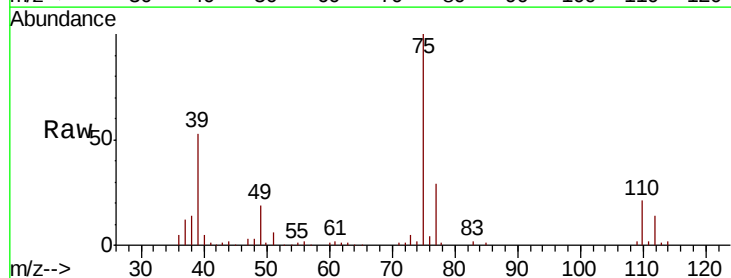
Tgt Ion: 75 Resp: 138702

Ion Ratio Lower Upper

75 100

77 29.4 25.8 38.6

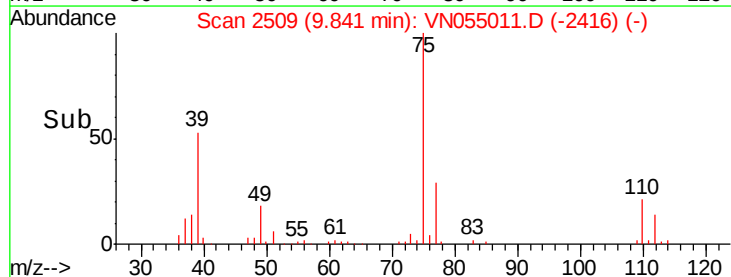
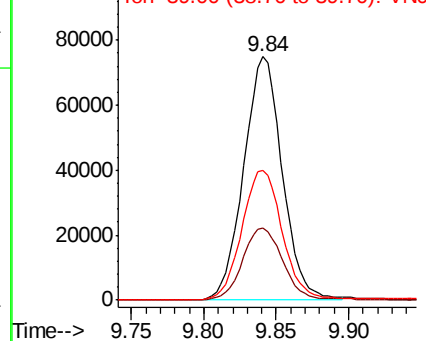
39 53.1 43.8 65.8

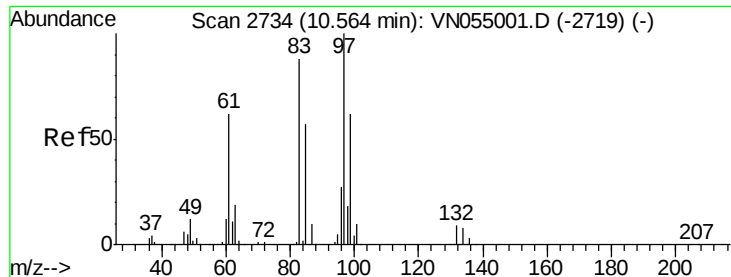


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 21.058 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 87053

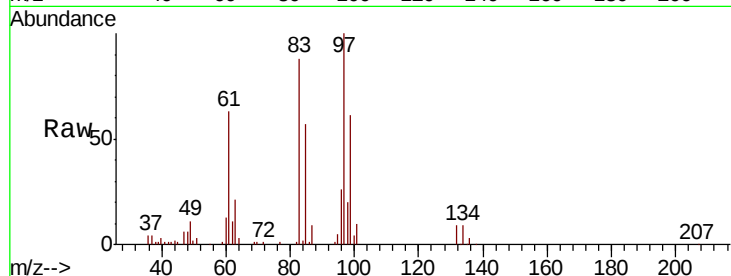
Ion Ratio Lower Upper

97 100

83 87.7 70.5 105.7

85 57.1 45.5 68.3

99 60.5 49.4 74.0



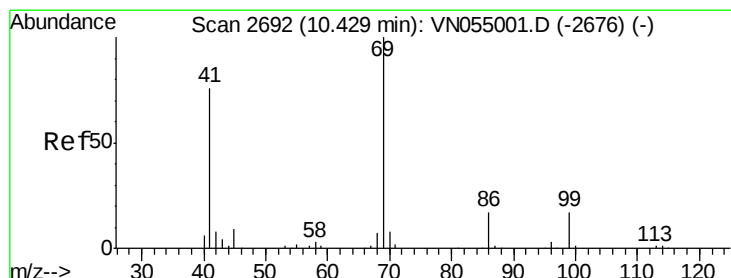
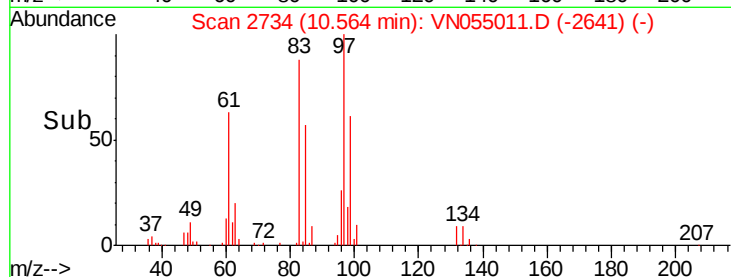
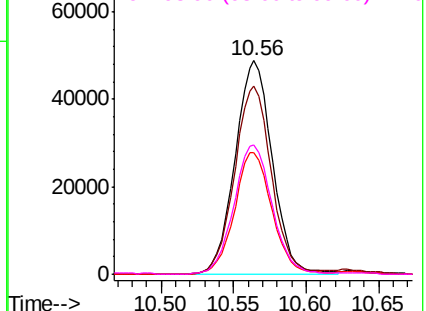
Abundance

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: 20.945 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

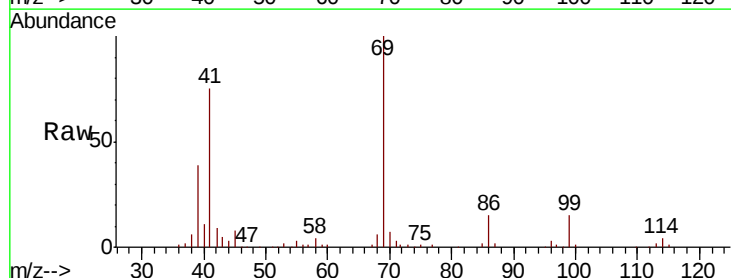
Tgt Ion: 69 Resp: 111417

Ion Ratio Lower Upper

69 100

41 76.1 61.4 92.0

39 38.3 30.8 46.2

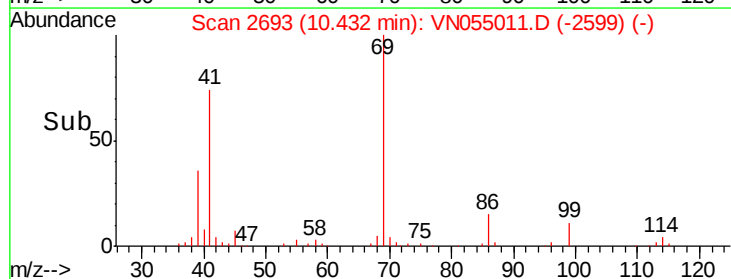
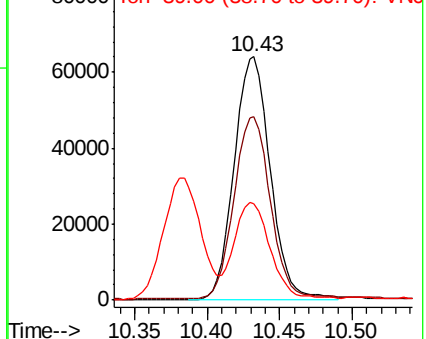


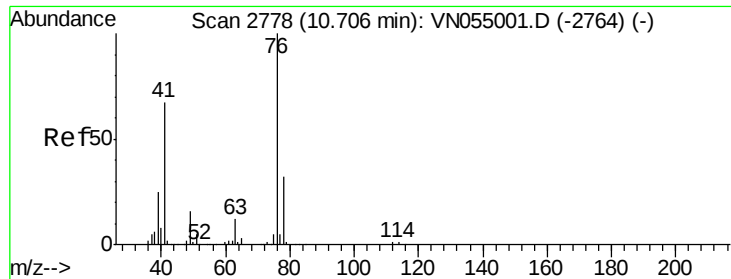
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 21.162 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

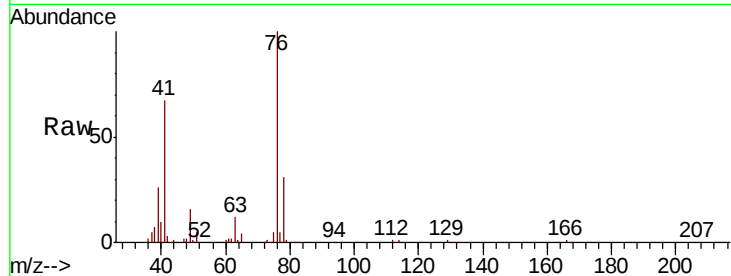
ClientSampleId :

Tot Ion: 76 Resp: 150911

Ion Ratio Lower Upper

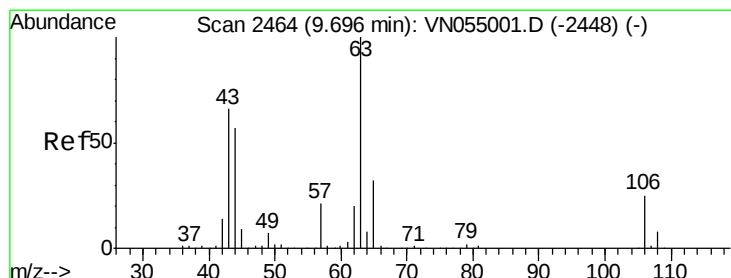
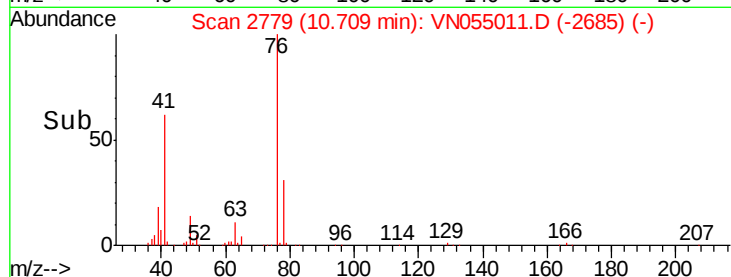
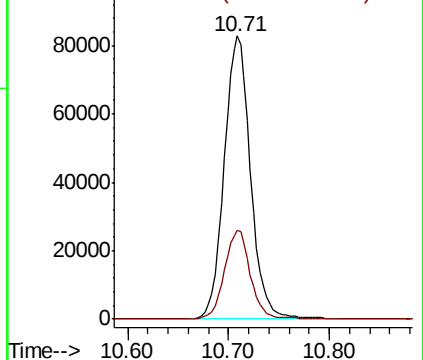
76 100

78 31.1 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 102.831 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055011.D

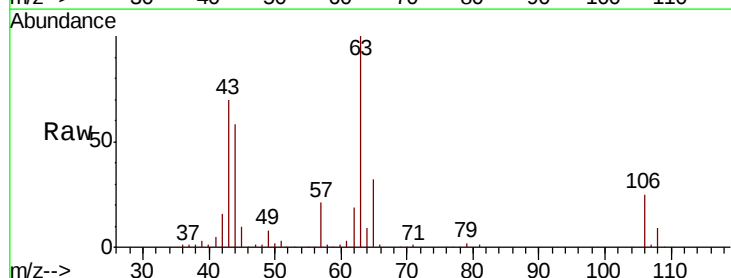
Acq: 12 Apr 2019 20:39

Tgt Ion: 63 Resp: 218159

Ion Ratio Lower Upper

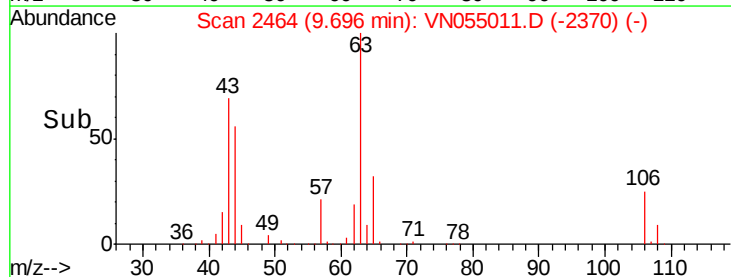
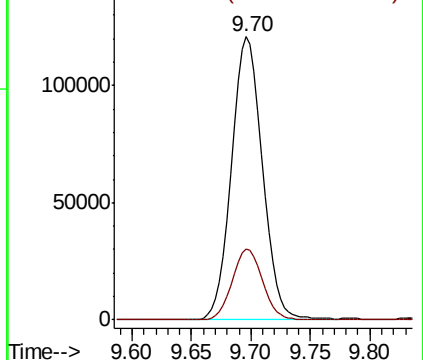
63 100

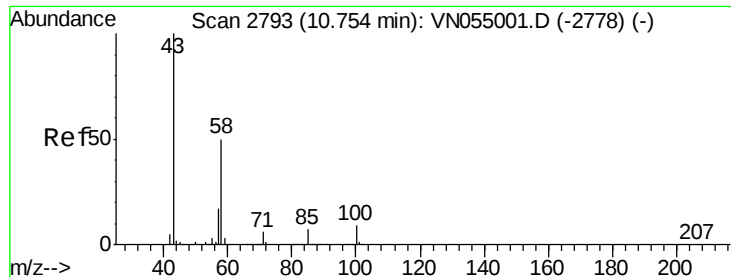
106 24.6 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

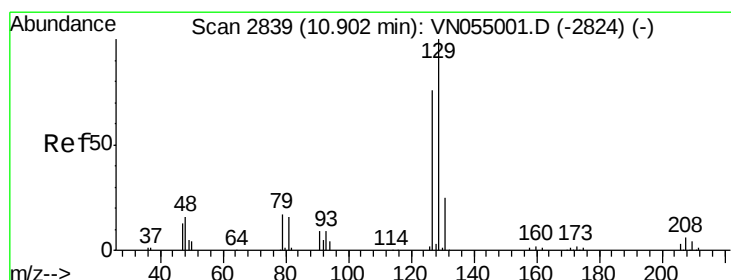
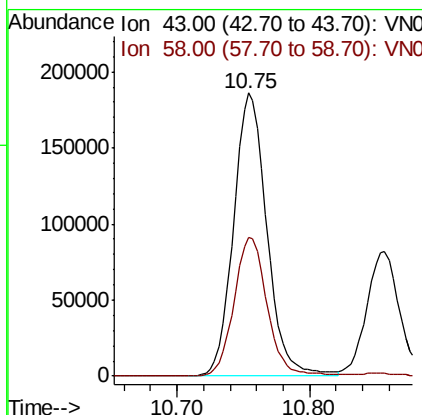
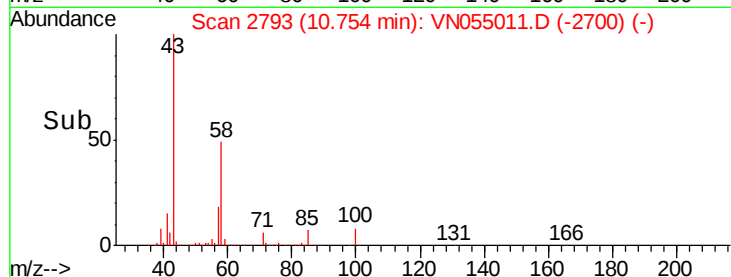
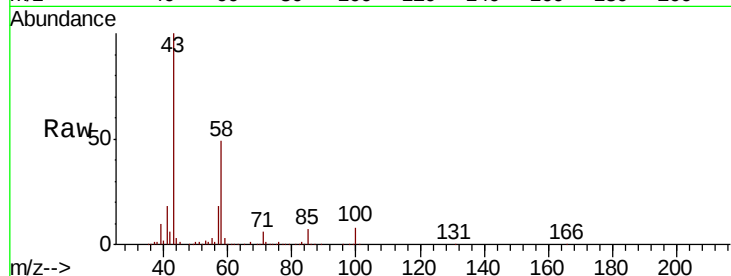




#59
2-Hexanone
Concen: 110.589 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

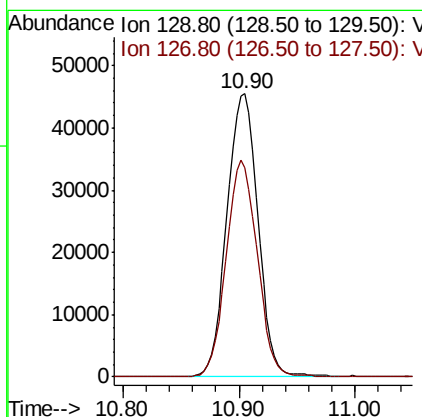
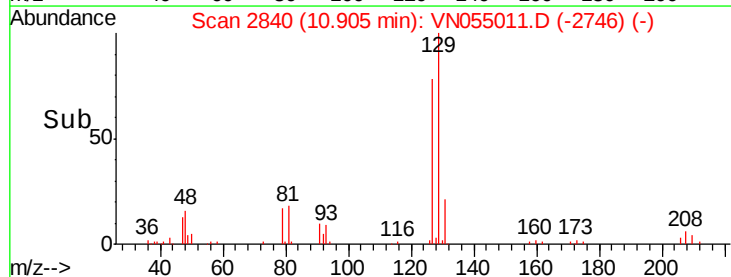
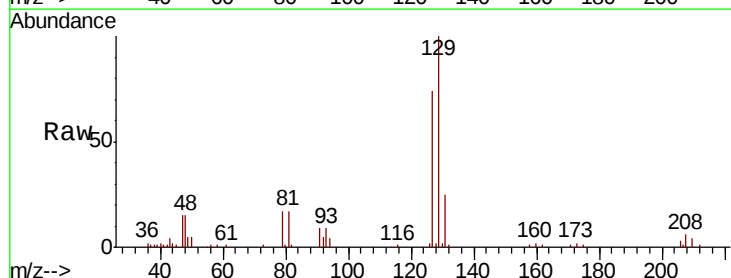
Instrument :
MSVOA_N
ClientSampled :

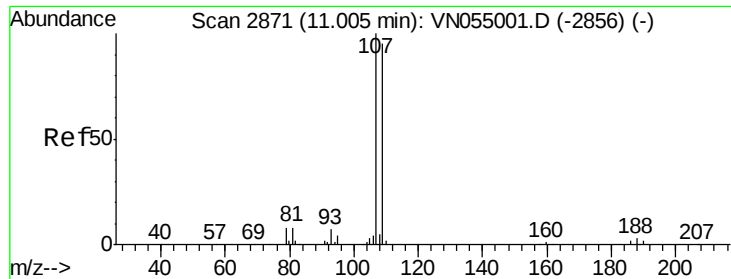
Tot Ion: 43 Resp: 322370
Ion Ratio Lower Upper
43 100
58 49.2 25.1 75.2



#60
Dibromochloromethane
Concen: 20.471 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion: 129 Resp: 84234
Ion Ratio Lower Upper
129 100
127 76.6 38.2 114.6

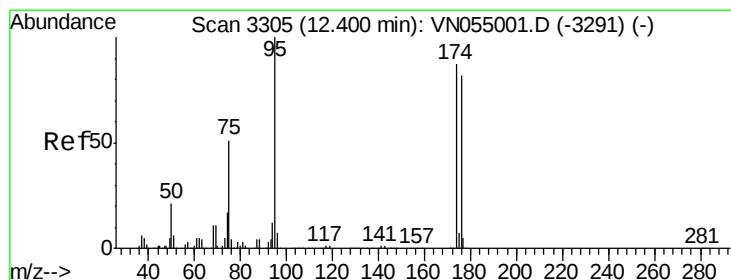
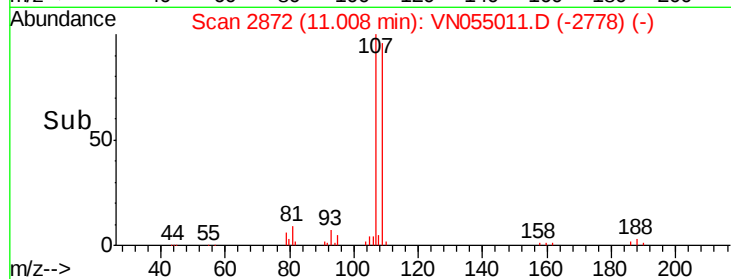
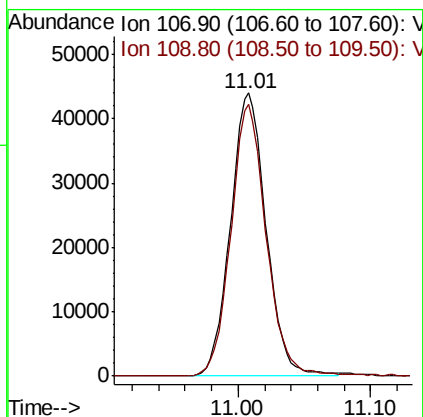
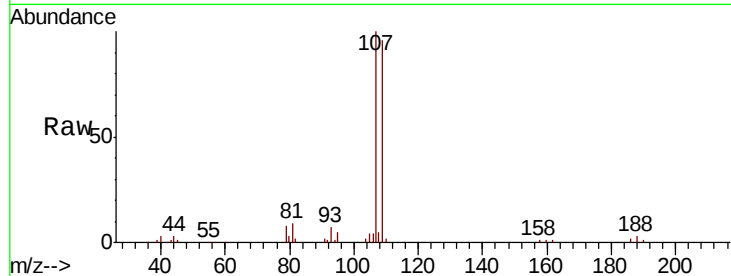




#61
 1,2-Dibromoethane
 Concen: 20.689 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

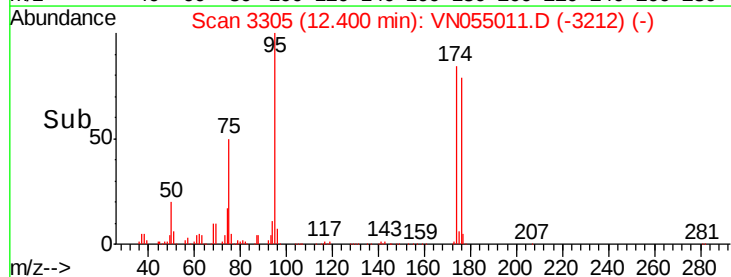
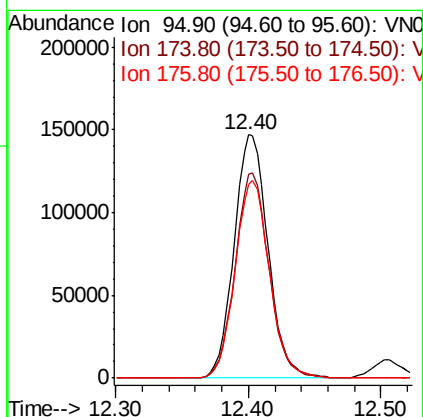
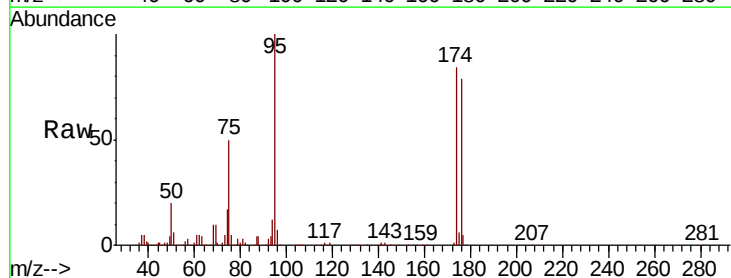
Instrument :
 MSVOA_N
 ClientSampleId :

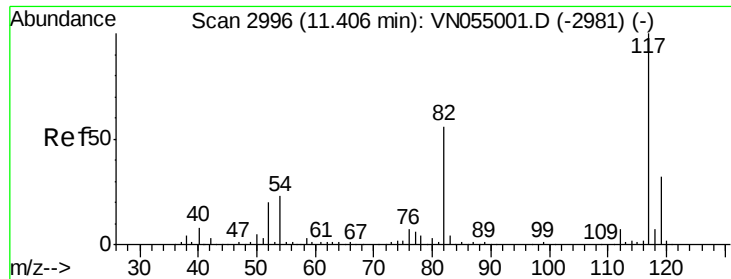
Tot Ion:107 Resp: 81885
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 49.470 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

Tgt Ion: 95 Resp: 262005
 Ion Ratio Lower Upper
 95 100
 174 83.9 0.0 174.4
 176 82.0 0.0 166.8

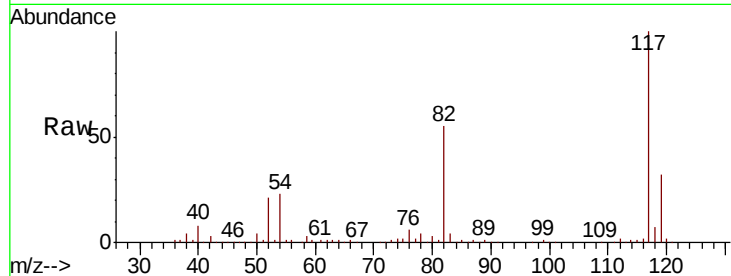




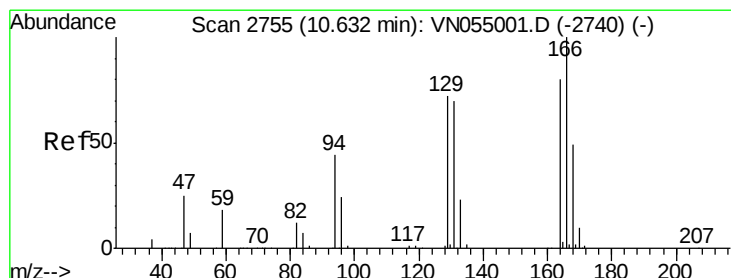
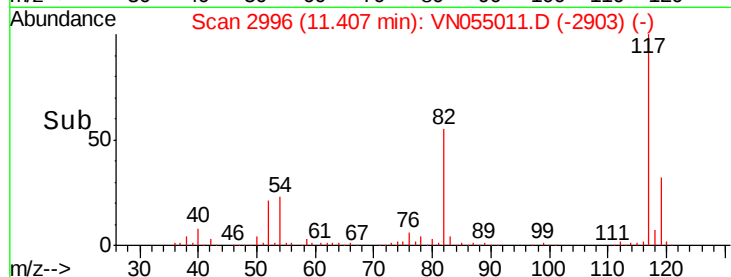
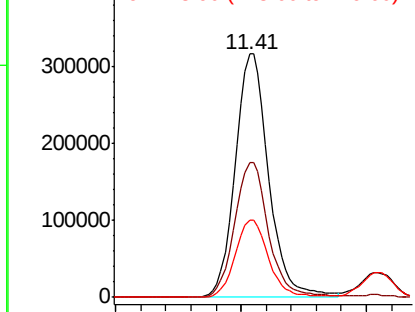
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 586152
Ion Ratio Lower Upper
117 100
82 55.1 44.6 66.8
119 32.0 25.5 38.3

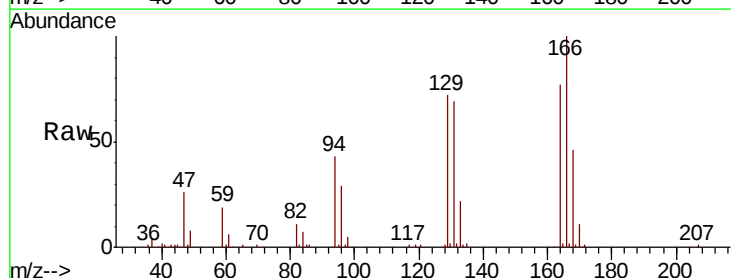


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

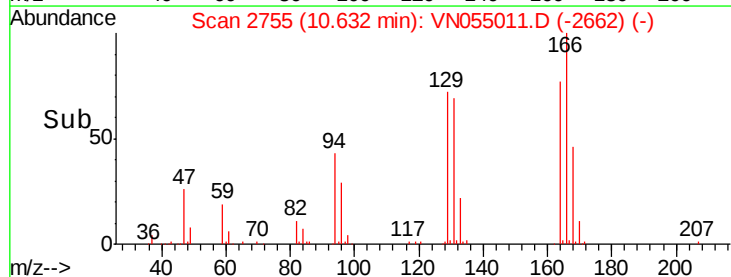
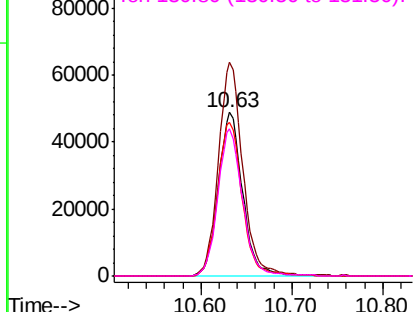


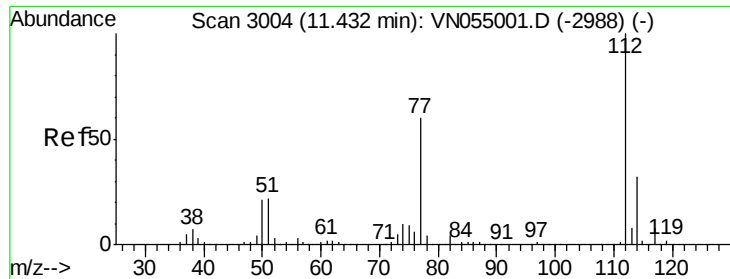
#64
Tetrachloroethene
Concen: 19.870 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion:164 Resp: 91103
Ion Ratio Lower Upper
164 100
166 130.6 100.0 150.0
129 94.2 72.0 108.0
131 90.0 69.7 104.5



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

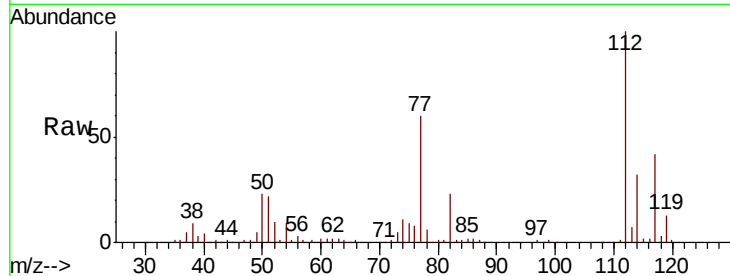




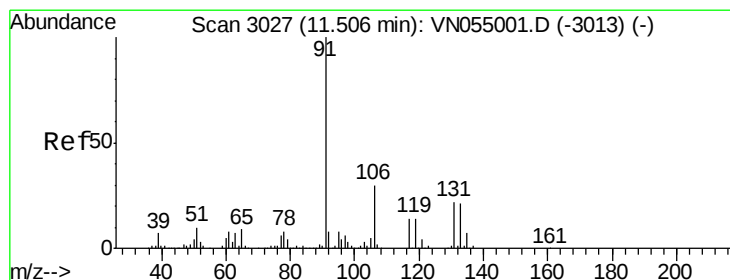
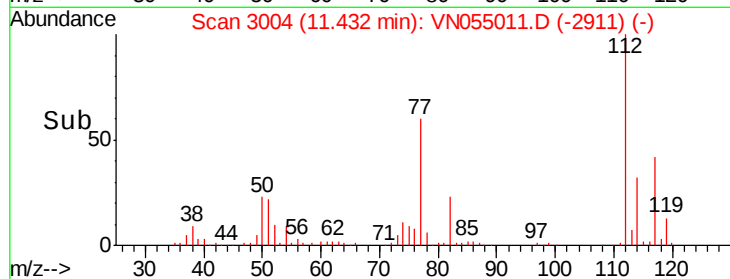
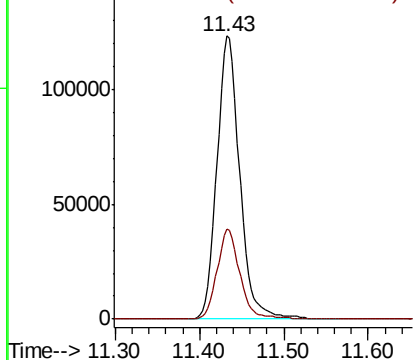
#65
Chlorobenzene
Concen: 20.506 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:112 Resp: 231763
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9

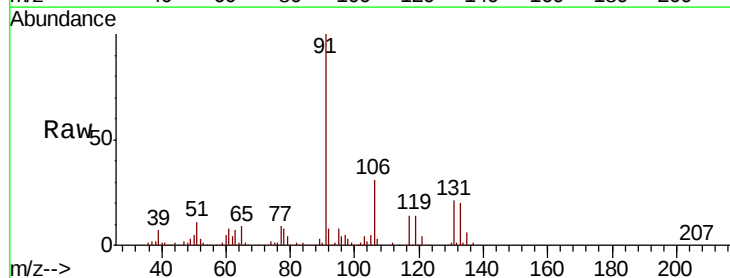


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

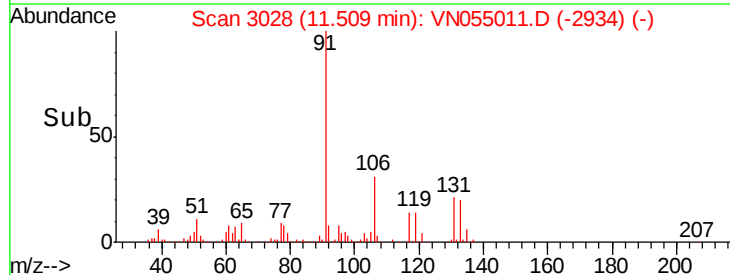
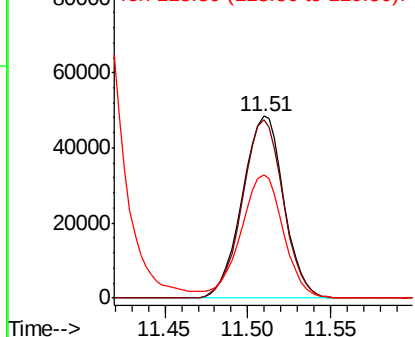


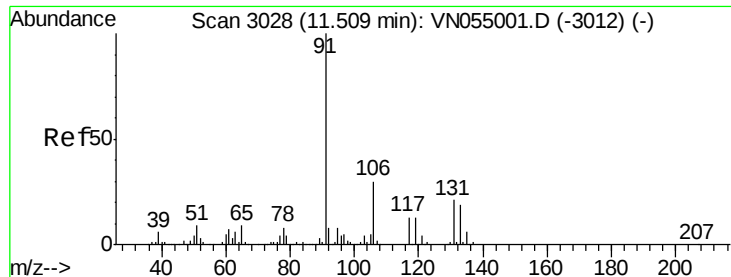
#66
1,1,1,2-Tetrachloroethane
Concen: 20.269 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion:131 Resp: 84424
Ion Ratio Lower Upper
131 100
133 96.6 47.8 143.3
119 69.2 33.6 100.6



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

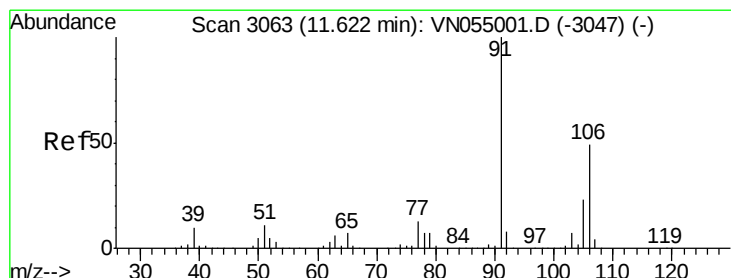
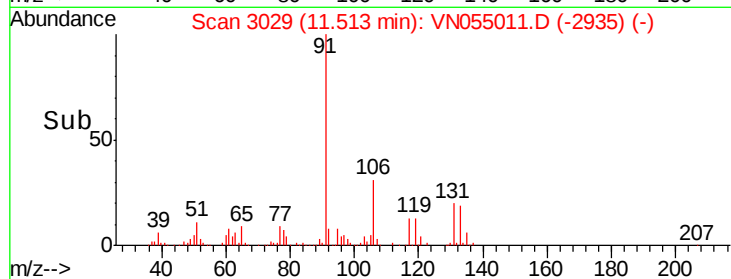
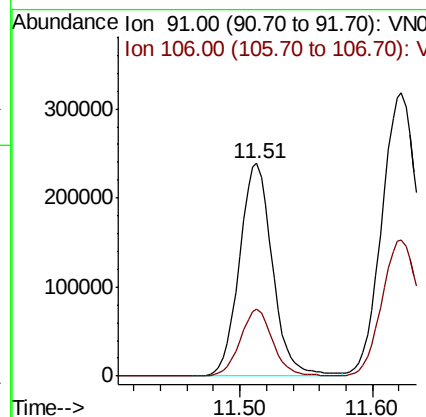
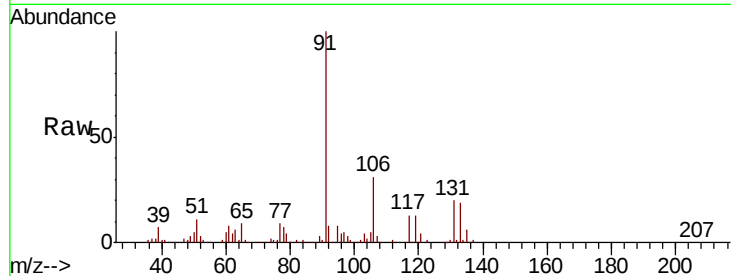




#67
Ethyl Benzene
Concen: 19.971 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

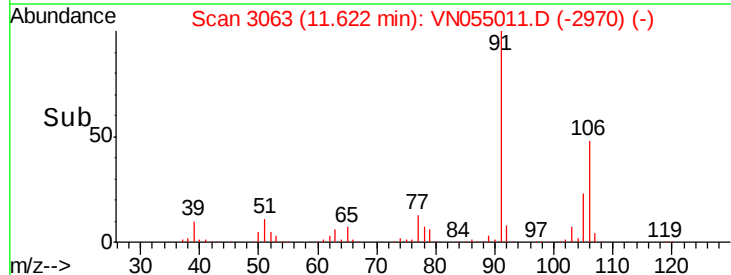
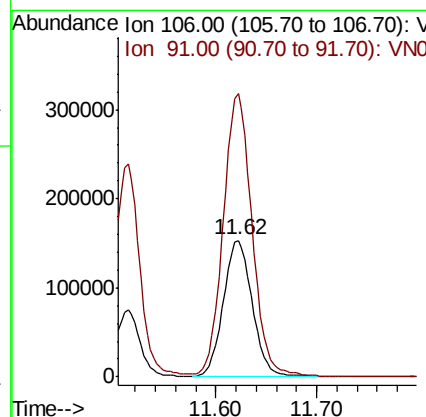
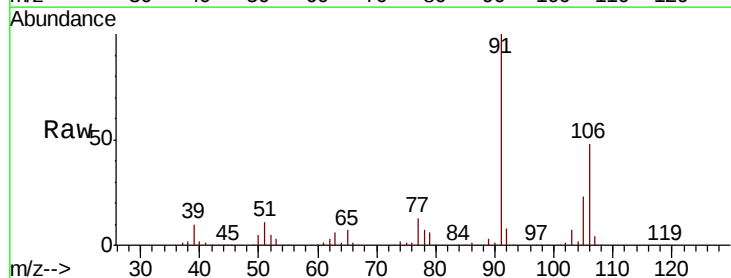
Instrument :
MSVOA_N
ClientSampled :

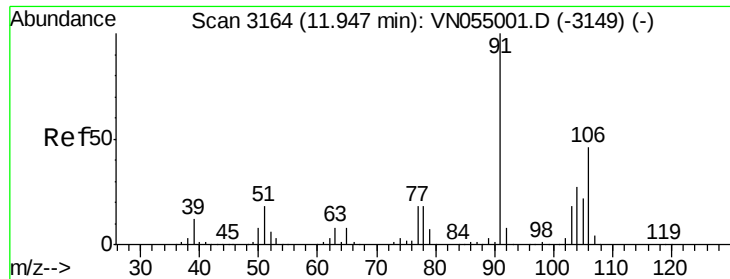
Tot Ion: 91 Resp: 414620
Ion Ratio Lower Upper
91 100
106 31.4 24.3 36.5



#68
m/p-Xylenes
Concen: 40.639 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion: 106 Resp: 308675
Ion Ratio Lower Upper
106 100
91 205.9 165.9 248.9

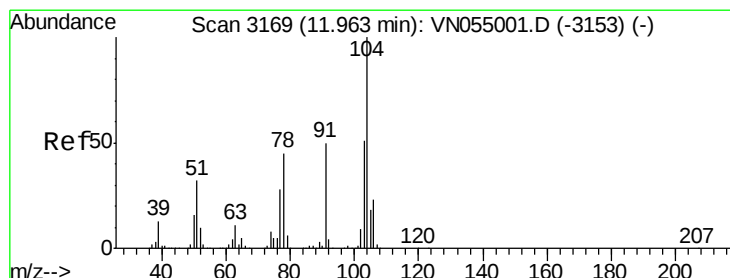
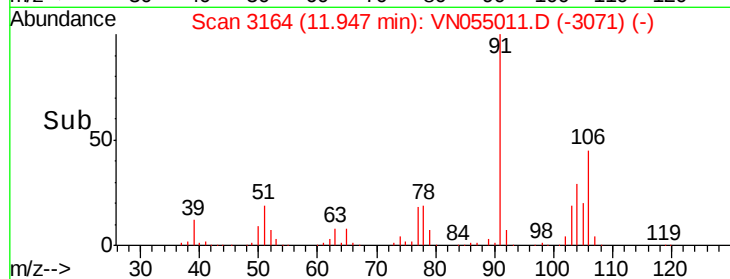
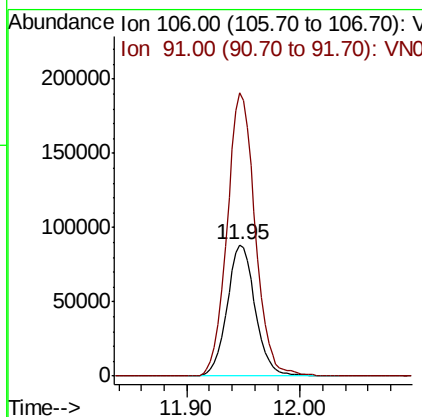
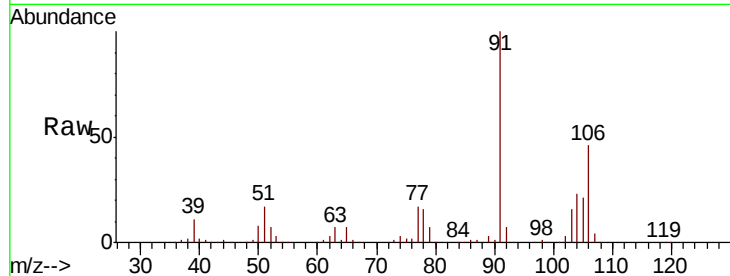




#69
o-Xylene
Concen: 20.356 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

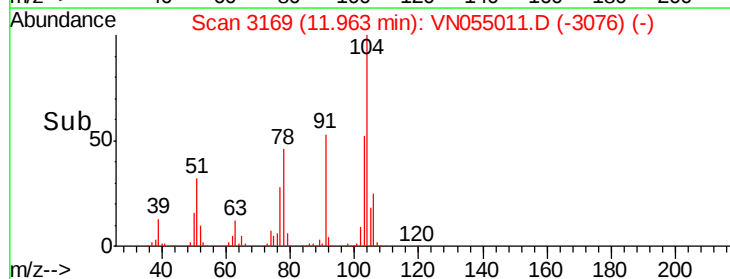
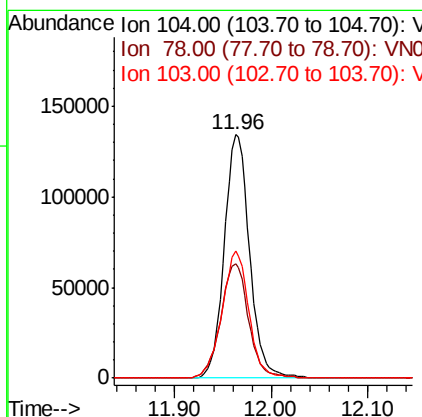
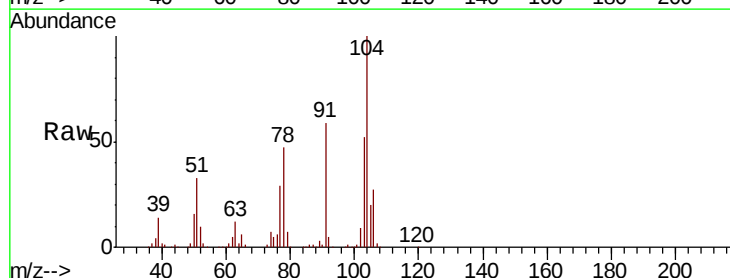
Instrument :
MSVOA_N
ClientSampled :

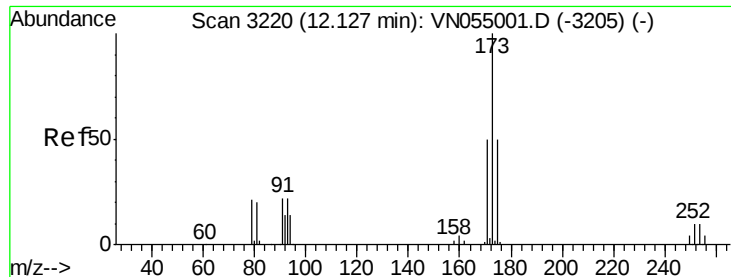
Tot Ion:106 Resp: 152978
Ion Ratio Lower Upper
106 100
91 215.4 109.9 329.8



#70
Styrene
Concen: 20.484 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion:104 Resp: 244093
Ion Ratio Lower Upper
104 100
78 51.7 40.3 60.5
103 55.4 44.3 66.5

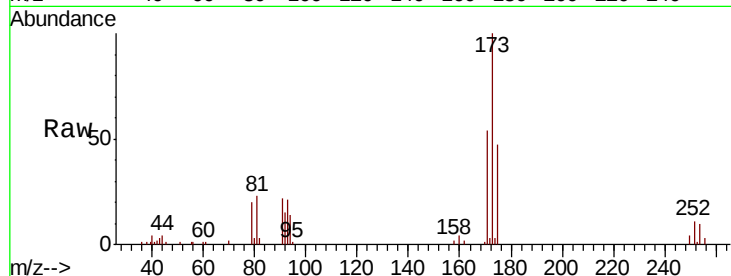




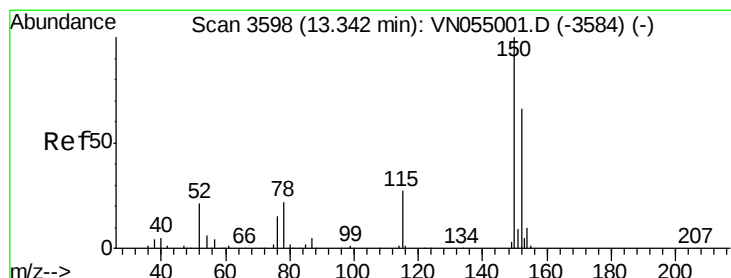
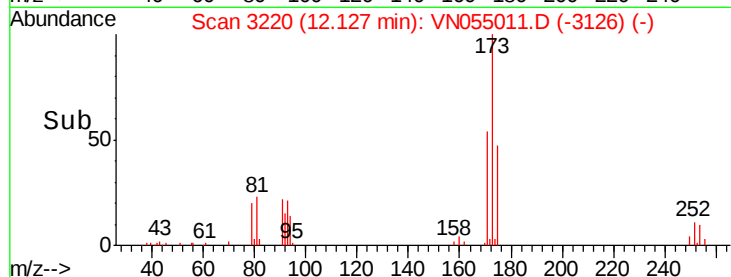
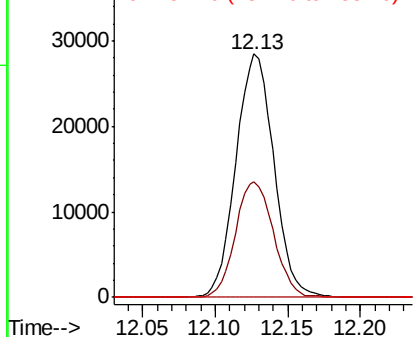
#71
Bromoform
Concen: 19.796 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 51833
Ion Ratio Lower Upper
173 100
175 47.3 24.3 73.0
254 0.0 0.1 0.1#

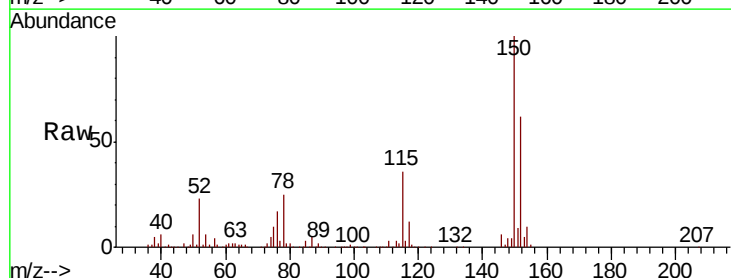


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

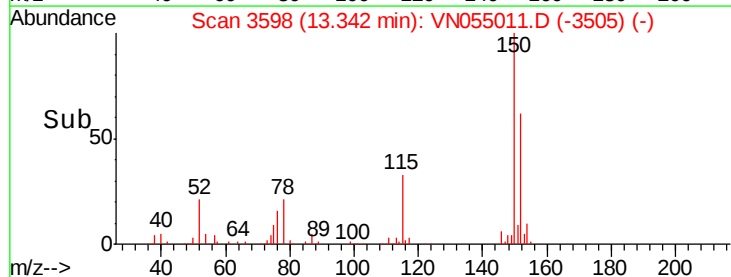
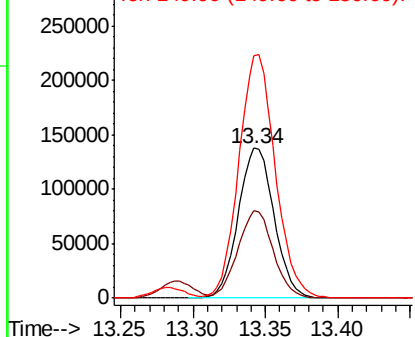


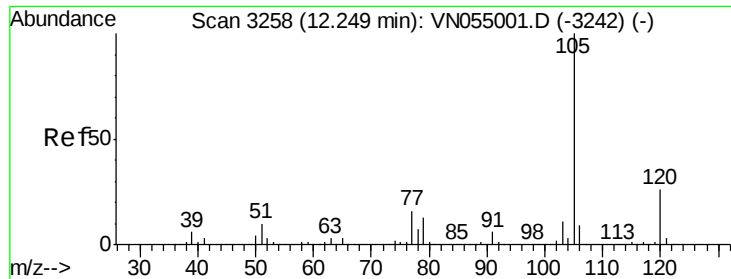
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055011.D
Acq: 12 Apr 2019 20:39

Tgt Ion:152 Resp: 236899
Ion Ratio Lower Upper
152 100
115 57.7 28.5 85.6
150 165.3 0.0 347.2



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





#73

Isopropylbenzene

Concen: 19.901 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

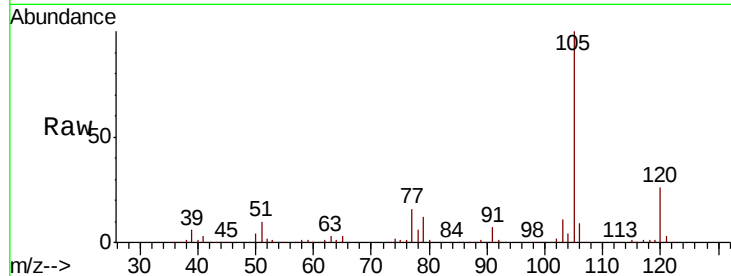
ClientSampleId :

Tot Ion:105 Resp: 400854

Ion Ratio Lower Upper

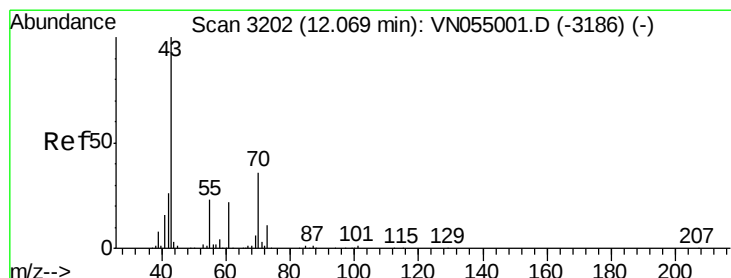
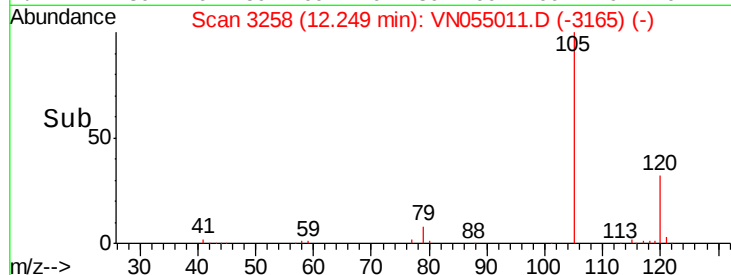
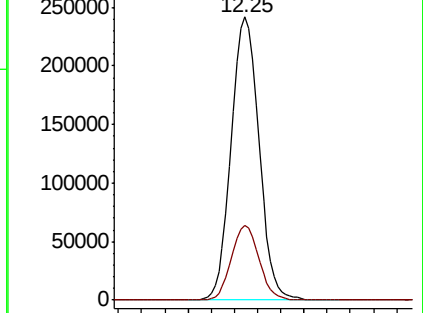
105 100

120 26.1 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.833 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Tgt Ion: 43 Resp: 126478

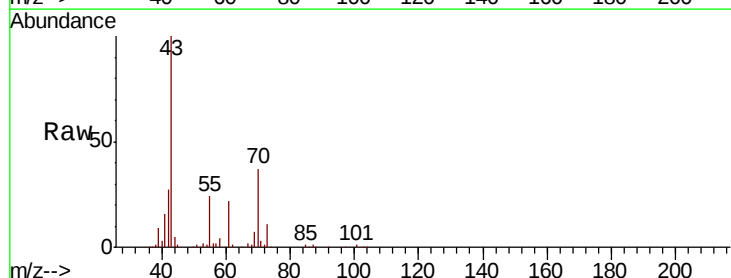
Ion Ratio Lower Upper

43 100

70 37.9 29.4 44.0

55 24.6 19.0 28.4

61 22.6 17.7 26.5

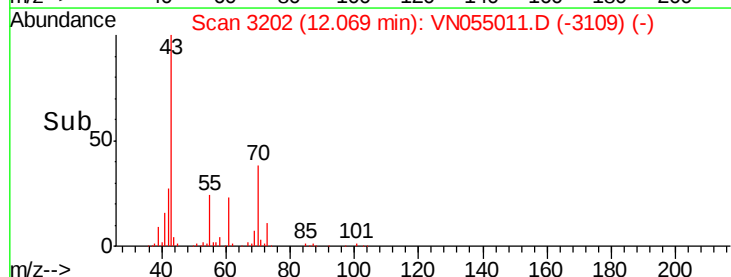
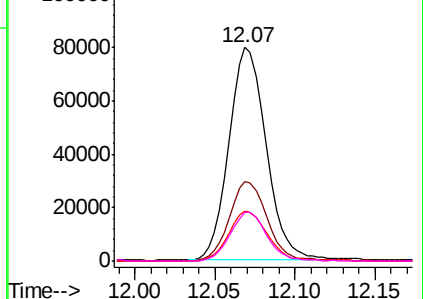


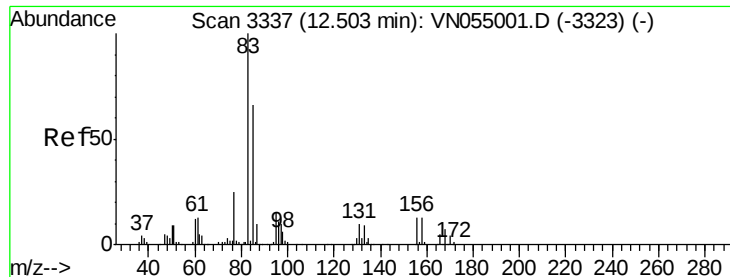
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.795 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

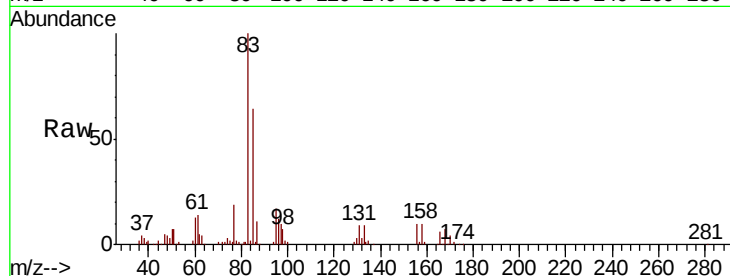
Tot Ion: 83 Resp: 108444

Ion Ratio Lower Upper

83 100

131 10.3 5.0 15.0

85 65.3 32.3 96.9

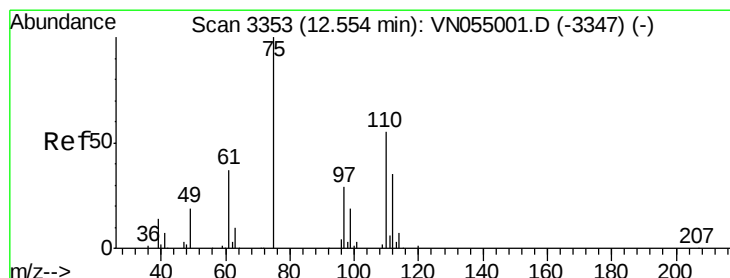
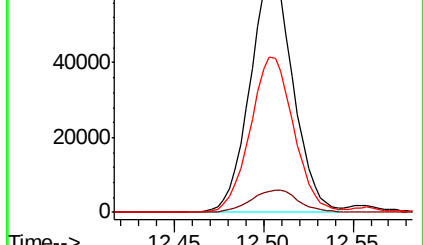
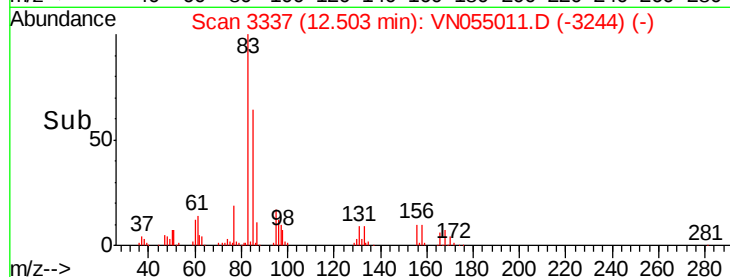


Abundance Ion 82.90 (82.60 to 83.60): VN055011.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055011.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055011.D (-3323) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 28.724 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055011.D

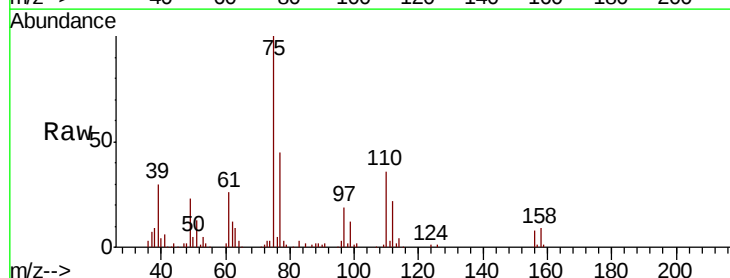
Acq: 12 Apr 2019 20:39

Tgt Ion: 75 Resp: 125189

Ion Ratio Lower Upper

75 100

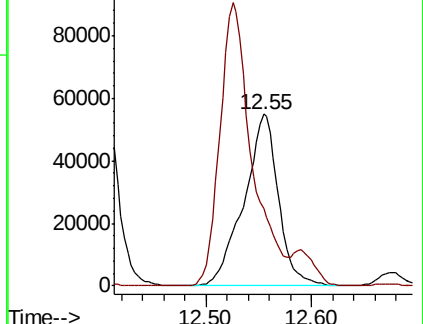
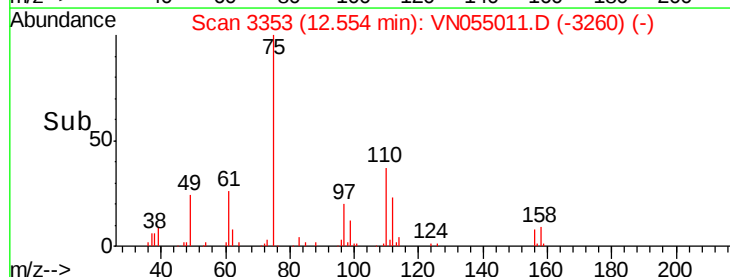
77 0.0 0.0 0.0

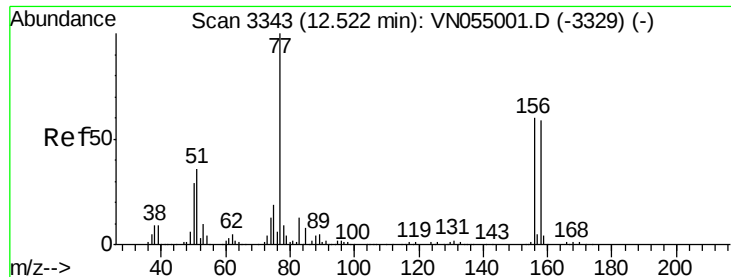


Abundance Ion 74.90 (74.60 to 75.60): VN055011.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN055011.D (-3353) (-)

Time-->





#77

Bromobenzene

Concen: 21.283 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

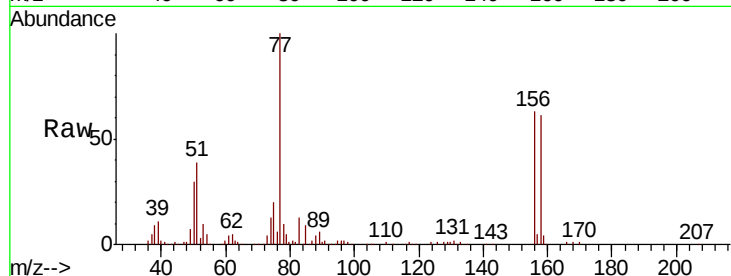
Tot Ion:156 Resp: 98529

Ion Ratio Lower Upper

156 100

77 193.5 97.2 291.5

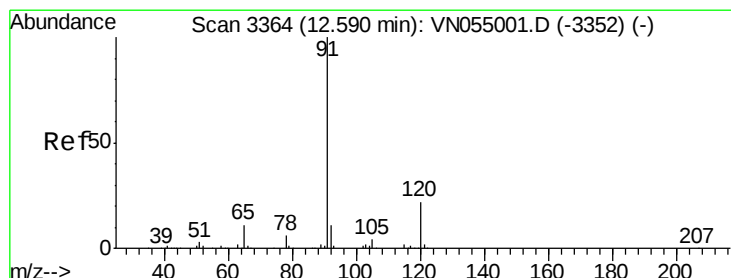
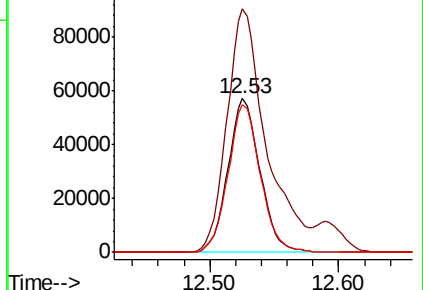
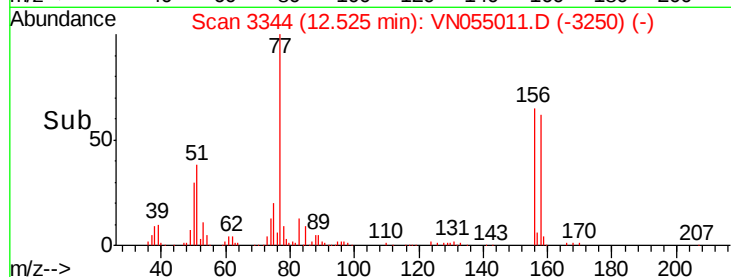
158 96.7 48.6 145.9



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: 20.010 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN055011.D

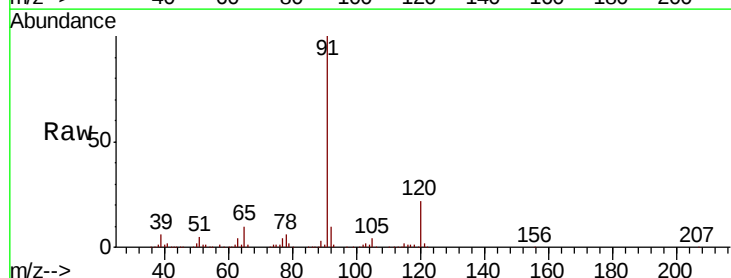
Acq: 12 Apr 2019 20:39

Tgt Ion: 91 Resp: 439109

Ion Ratio Lower Upper

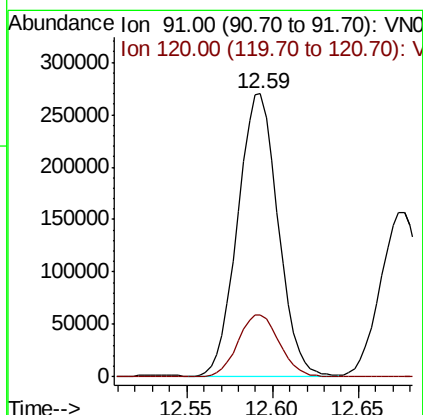
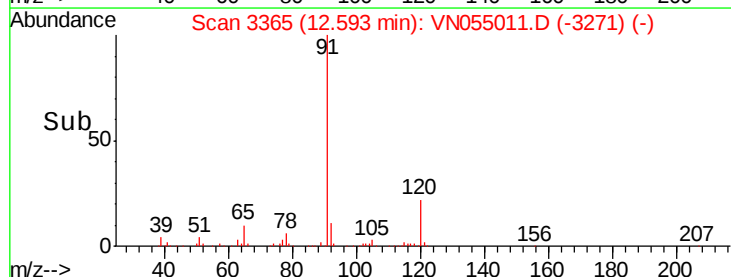
91 100

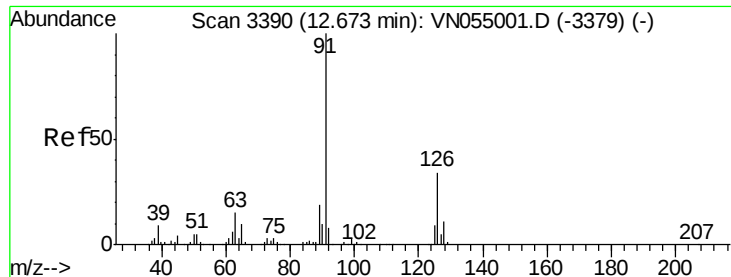
120 22.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.917 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

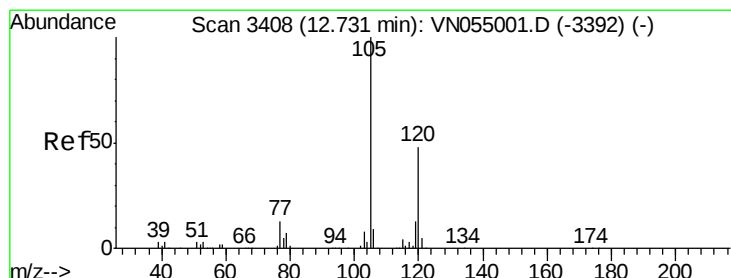
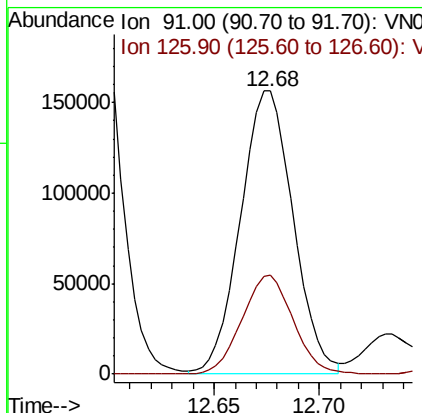
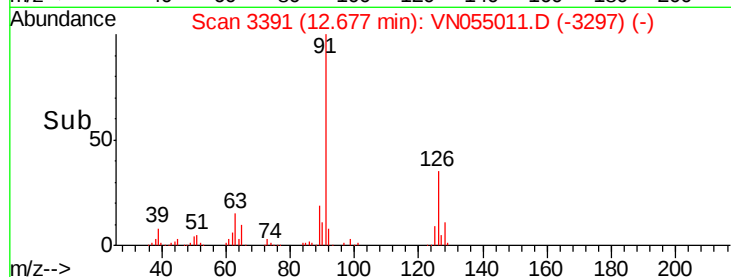
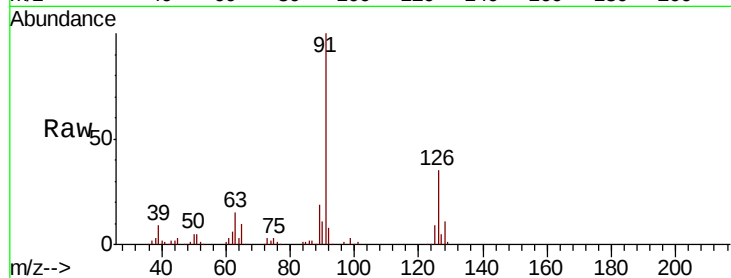
ClientSampleId :

Tot Ion: 91 Resp: 270009

Ion Ratio Lower Upper

91 100

126 34.4 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 20.095 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055011.D

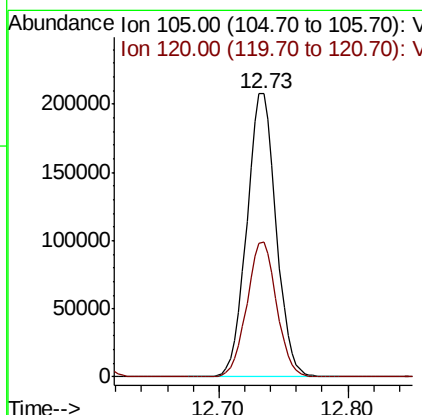
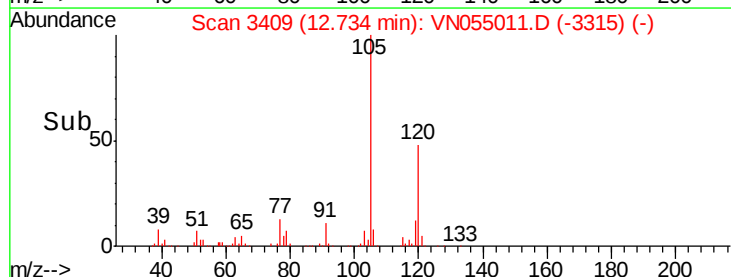
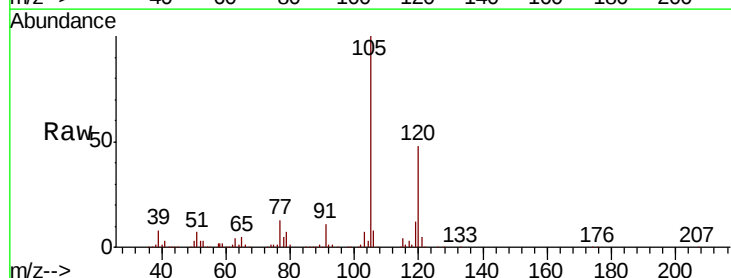
Acq: 12 Apr 2019 20:39

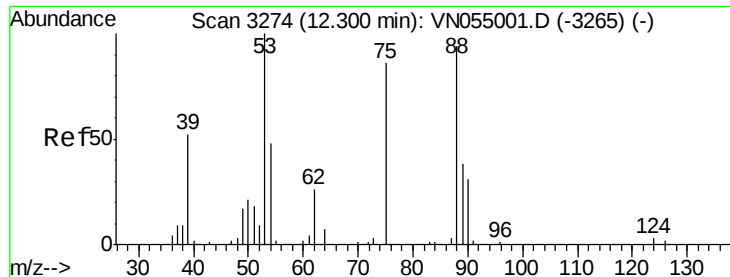
Tgt Ion:105 Resp: 329491

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.020 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

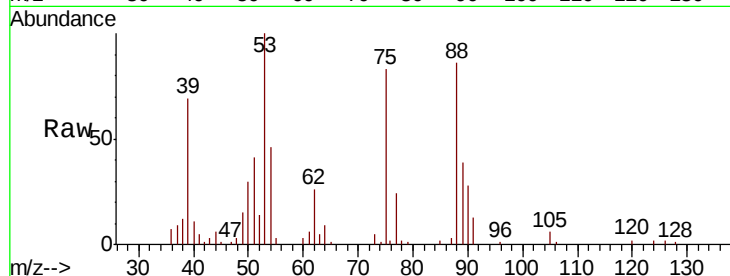
Tot Ion: 75 Resp: 21140

Ion Ratio Lower Upper

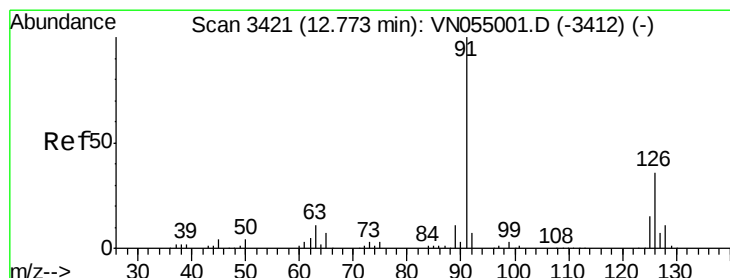
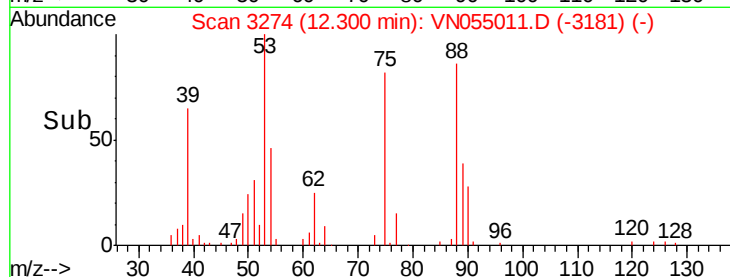
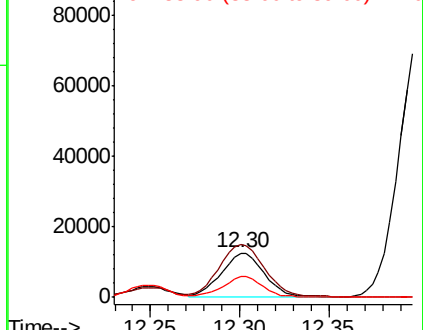
75 100

53 128.6 96.3 144.5

89 43.1 38.6 57.8



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 19.461 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055011.D

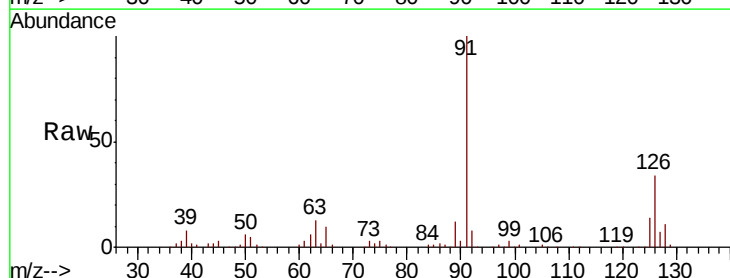
Acq: 12 Apr 2019 20:39

Tgt Ion: 91 Resp: 255148

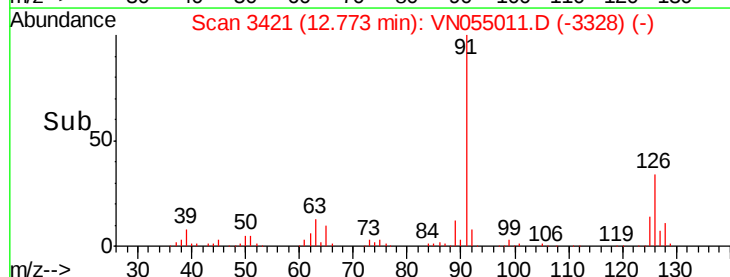
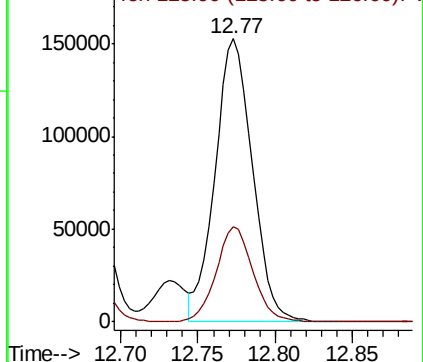
Ion Ratio Lower Upper

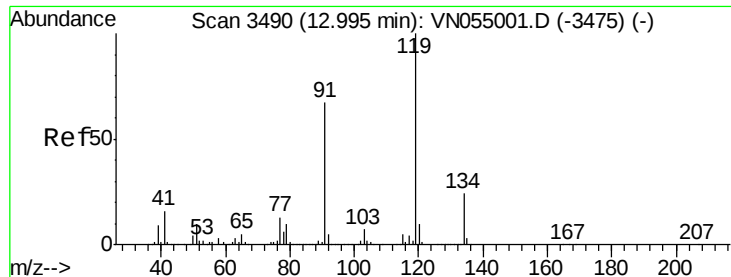
91 100

126 33.2 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V

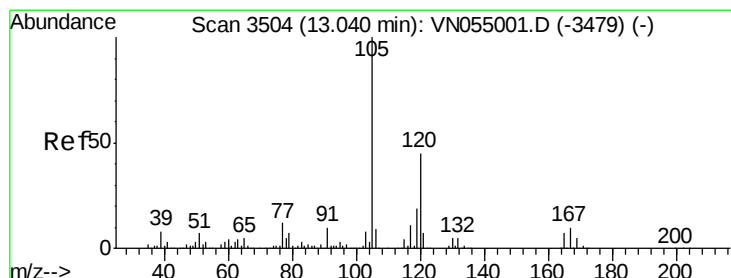
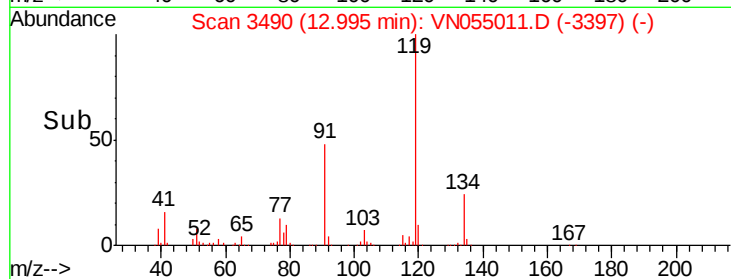
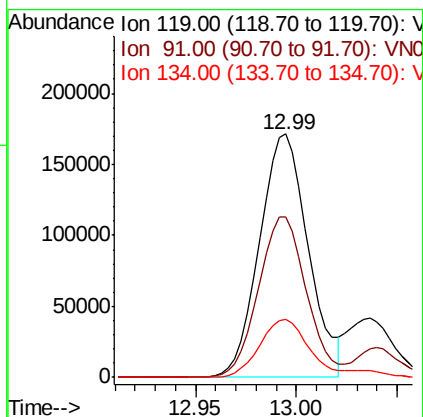
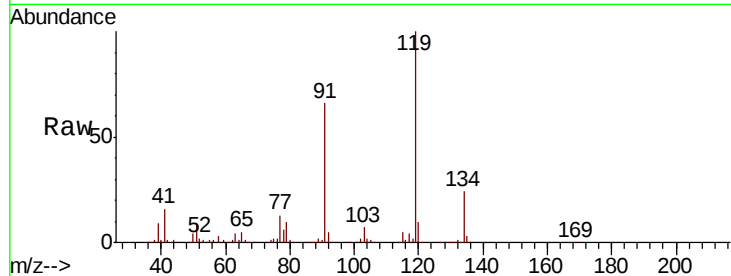




#83
 tert-Butylbenzene
 Concen: 20.581 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

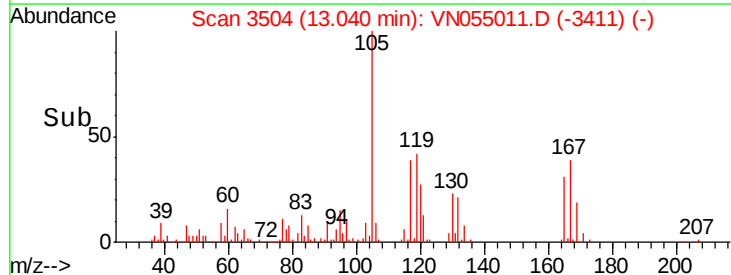
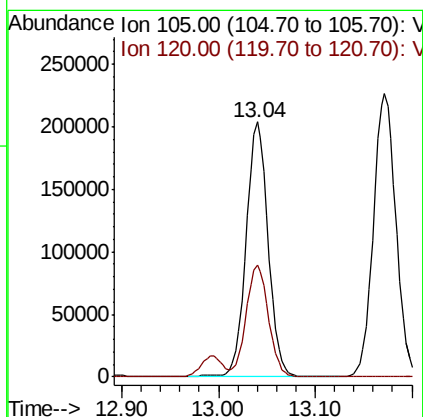
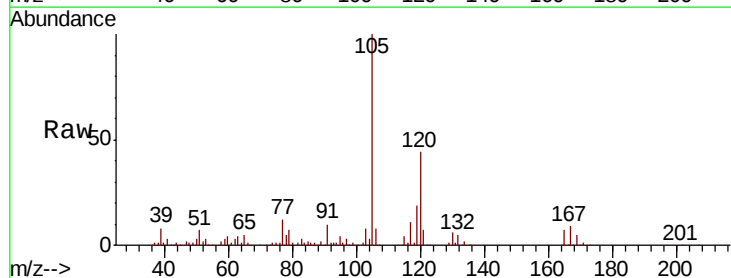
Instrument :
 MSVOA_N
 ClientSampled :

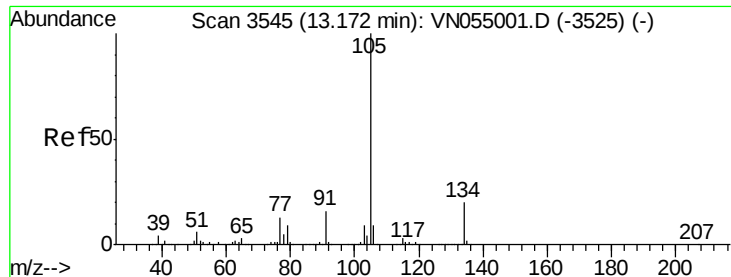
Tot Ion:119 Resp: 289100
 Ion Ratio Lower Upper
 119 100
 91 65.1 33.3 99.8
 134 26.1 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.406 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

Tgt Ion:105 Resp: 320843
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.4 67.3

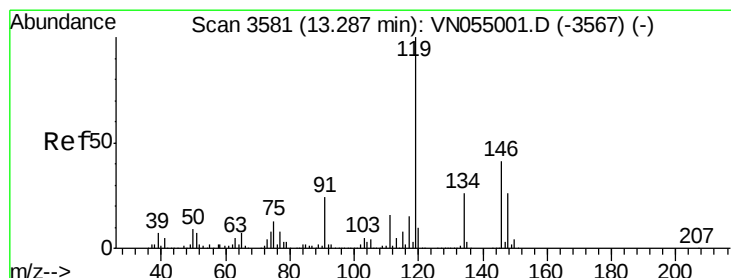
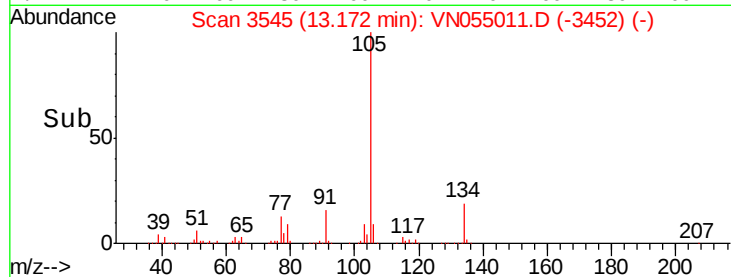
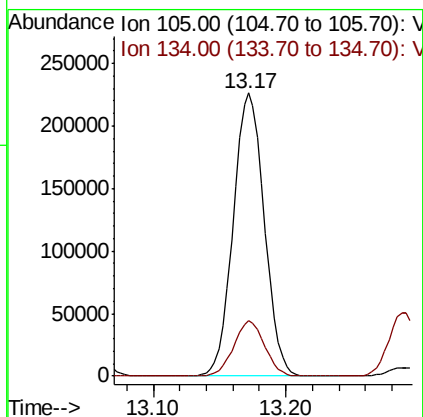
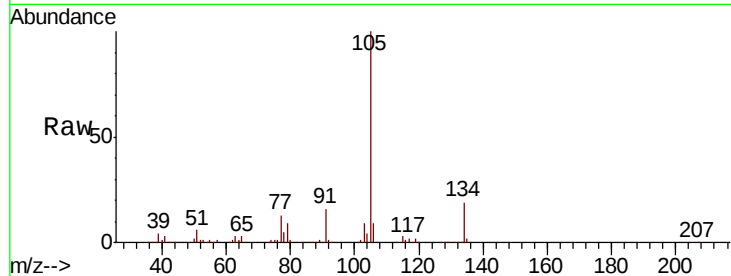




#85
 sec-Butylbenzene
 Concen: 20.451 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

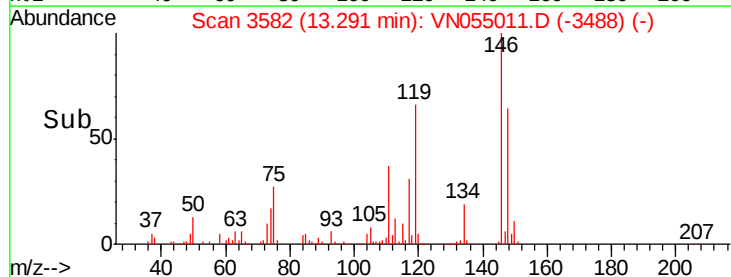
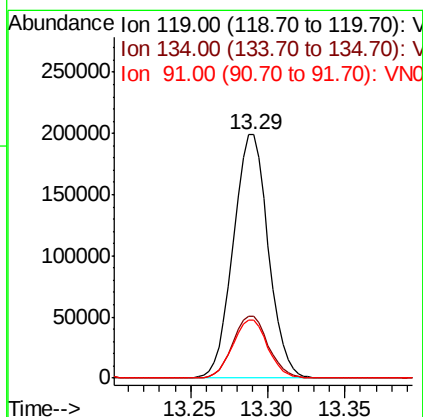
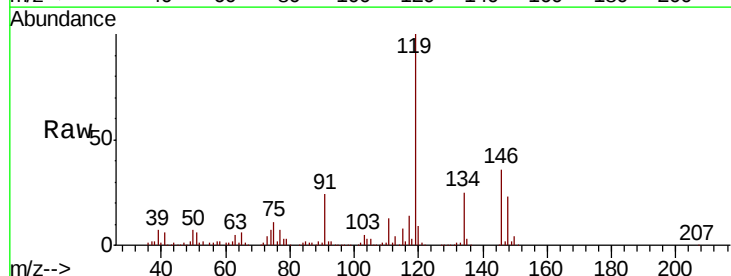
Instrument :
 MSVOA_N
 ClientSampleID :

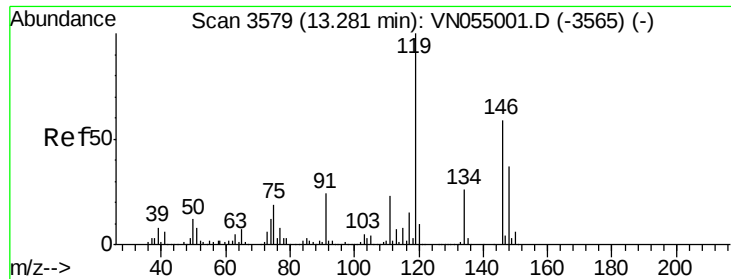
Tot Ion:105 Resp: 366790
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 20.004 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

Tgt Ion:119 Resp: 312070
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.2 39.5
 91 23.9 11.7 35.1

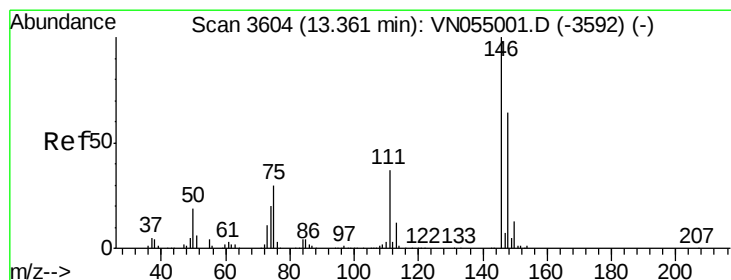
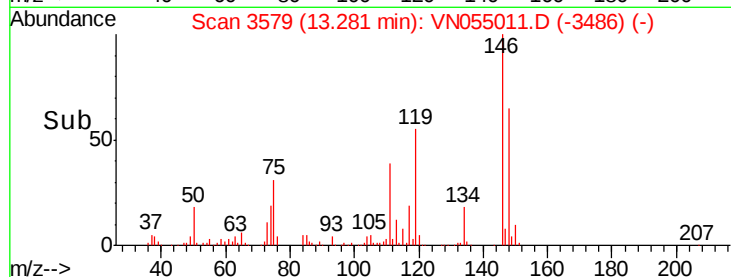
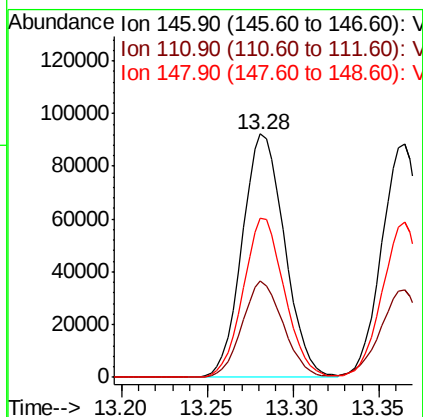
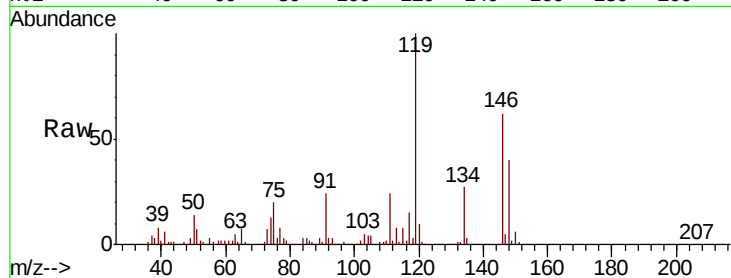




#87
 1,3-Dichlorobenzene
 Concen: 19.680 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

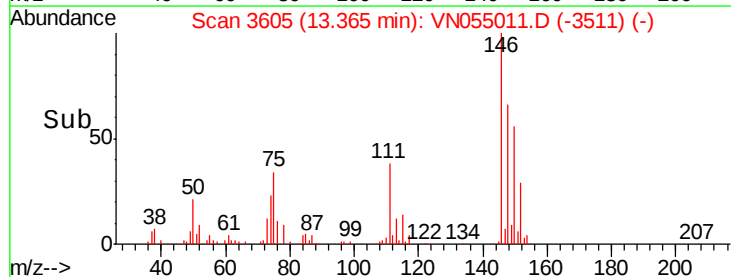
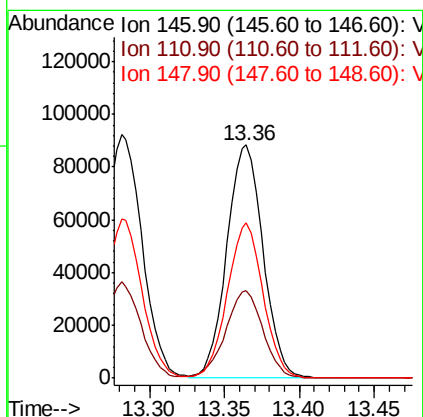
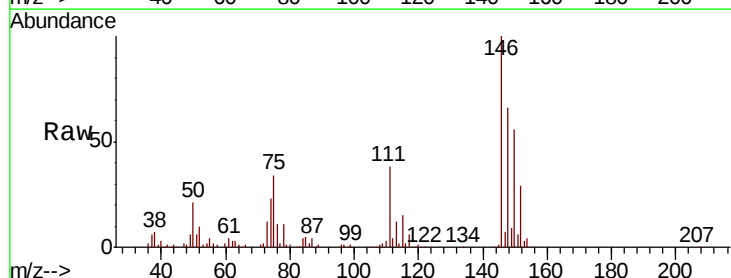
Instrument :
 MSVOA_N
 ClientSampleId :

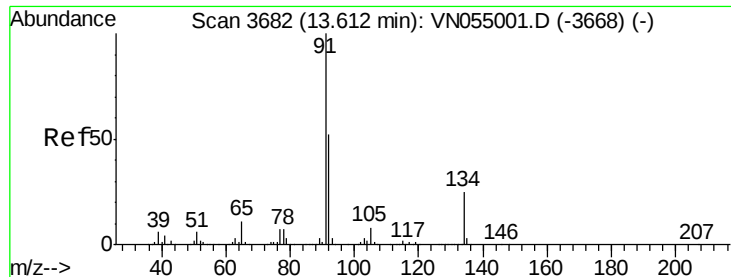
Tot Ion:146 Resp: 158358
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.5 58.5
 148 63.6 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 19.387 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

Tgt Ion:146 Resp: 149196
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.8 56.4
 148 65.7 32.4 97.2





#89

n-Butylbenzene

Concen: 19.082 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

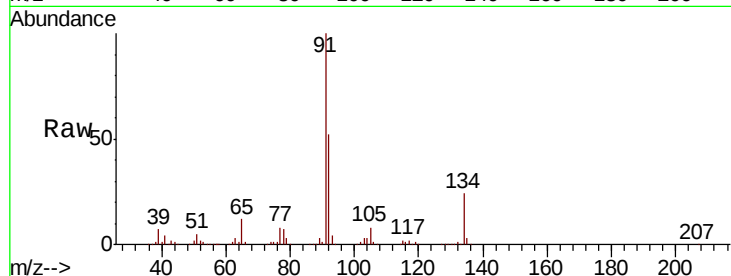
Tot Ion: 91 Resp: 233799

Ion Ratio Lower Upper

91 100

92 51.3 25.9 77.7

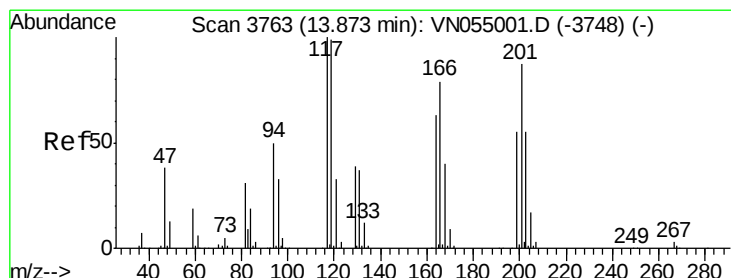
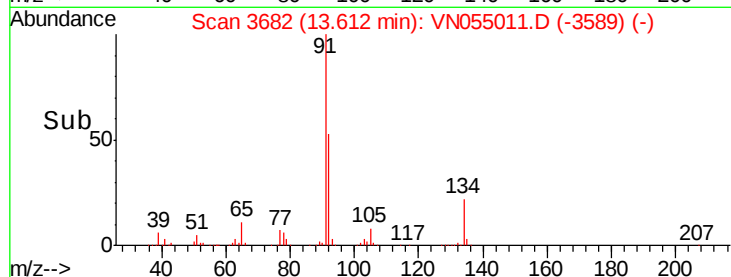
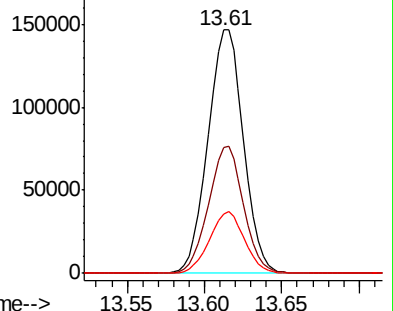
134 24.9 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN055011.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055011.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055011.D (-3668) (-)



#90

Hexachloroethane

Concen: 18.688 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055011.D

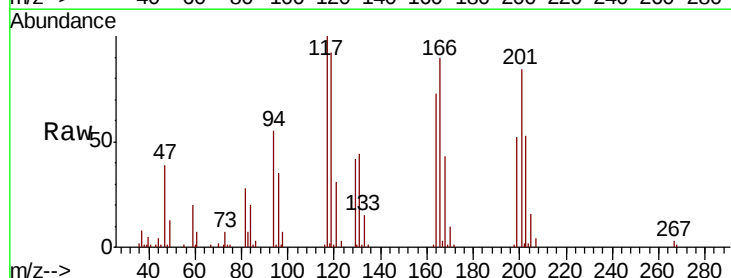
Acq: 12 Apr 2019 20:39

Tgt Ion: 117 Resp: 48173

Ion Ratio Lower Upper

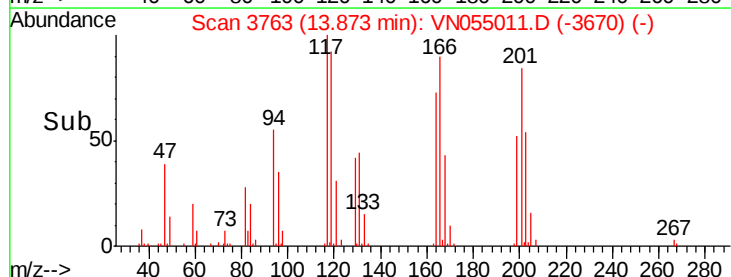
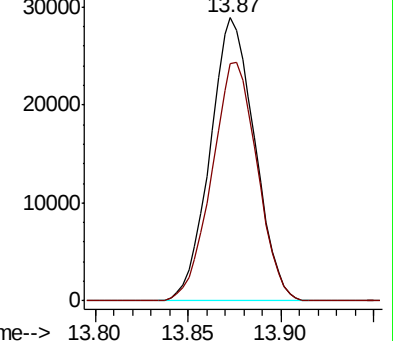
117 100

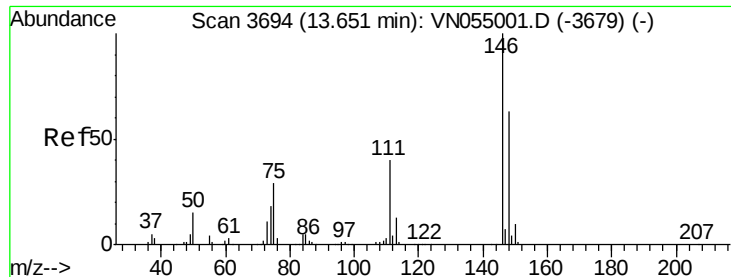
201 85.8 43.4 130.2



Abundance Ion 116.80 (116.50 to 117.50): VN055011.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN055011.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 20.344 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

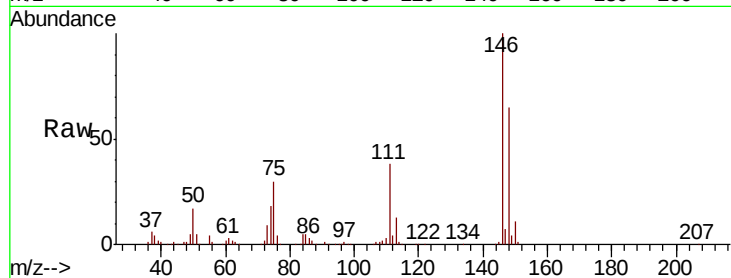
Tot Ion:146 Resp: 158919

Ion Ratio Lower Upper

146 100

111 39.9 20.3 60.9

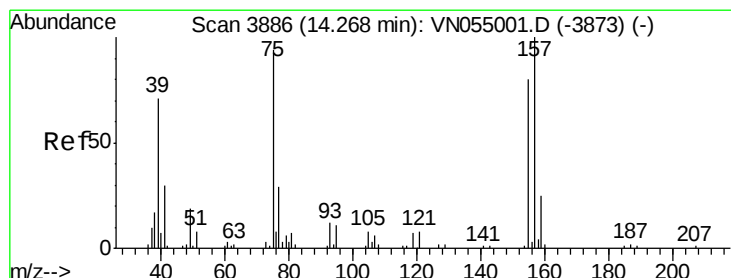
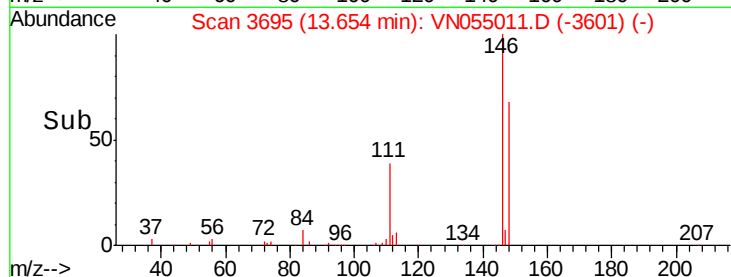
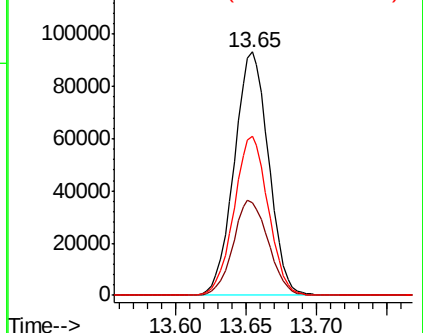
148 65.0 32.2 96.6



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: 21.764 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

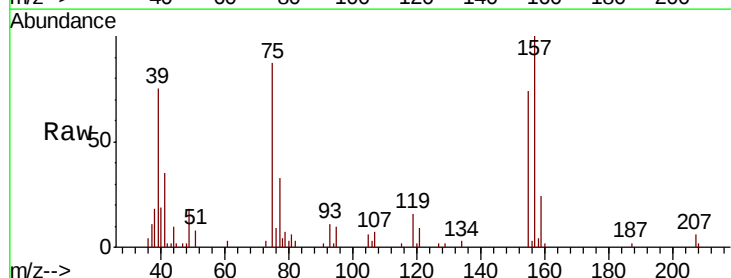
Tgt Ion: 75 Resp: 14758

Ion Ratio Lower Upper

75 100

155 87.8 42.0 126.0

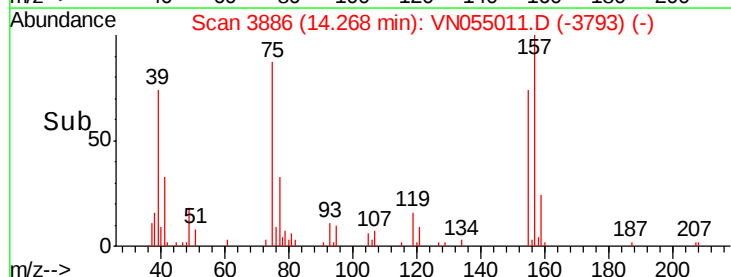
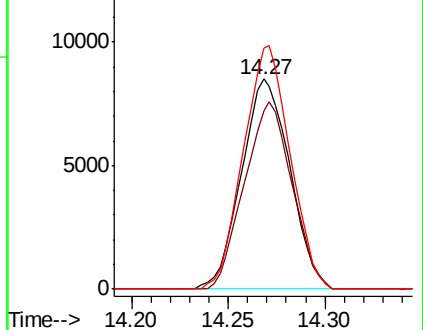
157 112.2 52.1 156.4

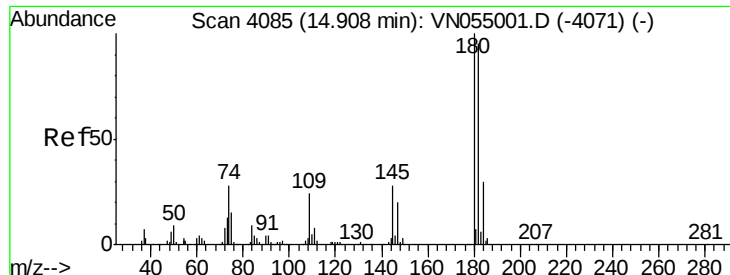


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

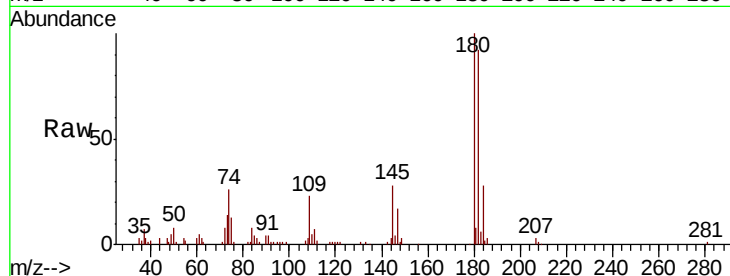




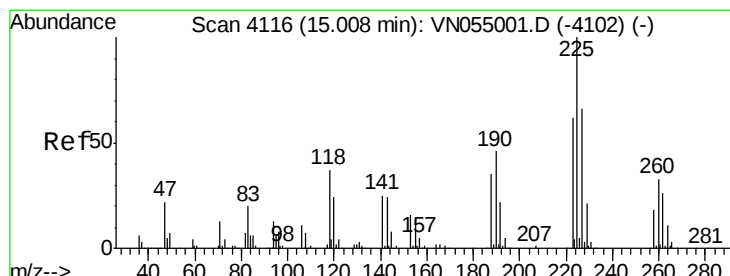
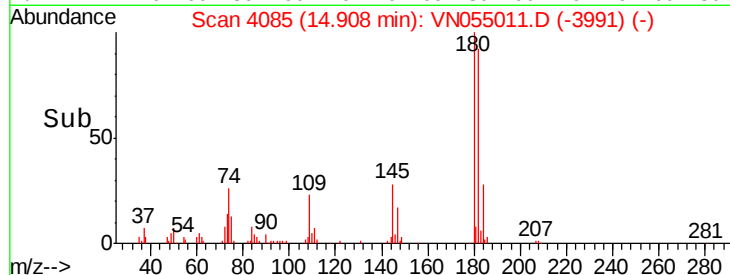
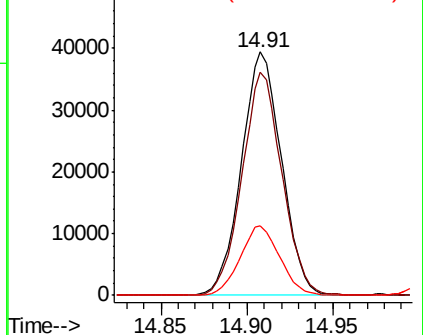
#93
 1,2,4-Trichlorobenzene
 Concen: 18.805 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 63760
 Ion Ratio Lower Upper
 180 100
 182 91.4 47.5 142.6
 145 28.1 14.2 42.8

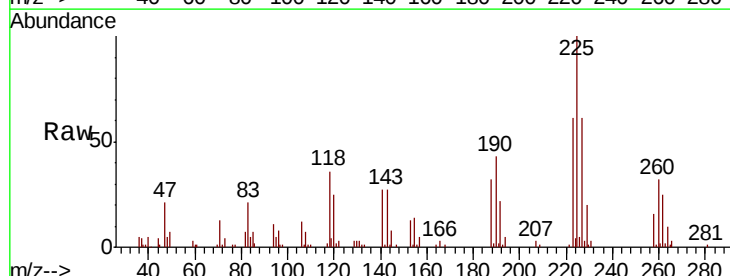


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

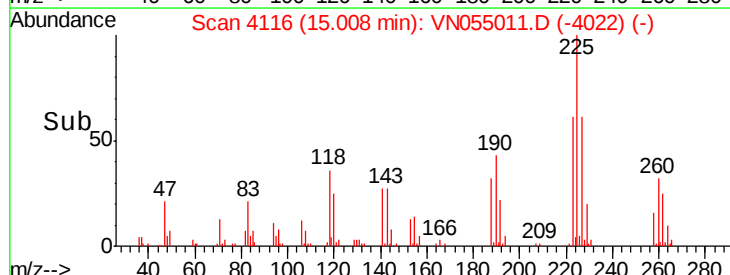
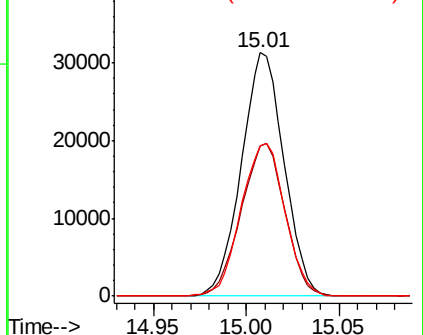


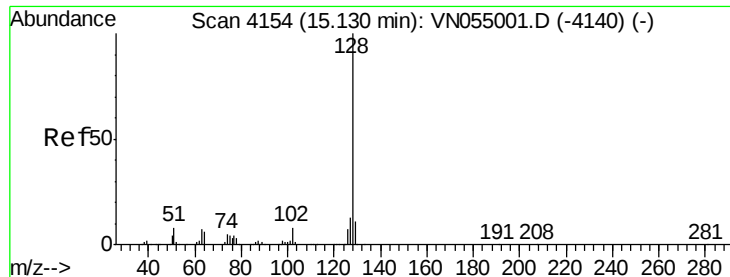
#94
 Hexachlorobutadiene
 Concen: 20.060 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055011.D
 Acq: 12 Apr 2019 20:39

Tgt Ion:225 Resp: 49990
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.4 94.0
 227 64.7 32.6 97.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.072 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

Instrument :

MSVOA_N

ClientSampled :

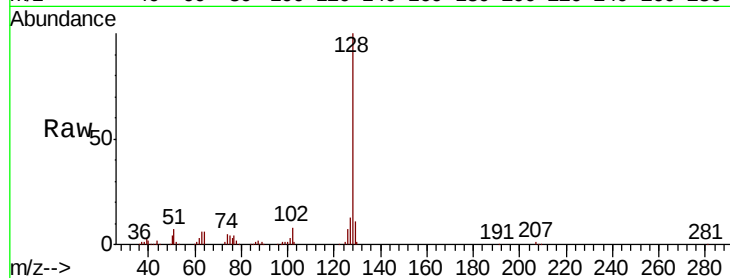
Tot Ion:128 Resp: 143781

Ion Ratio Lower Upper

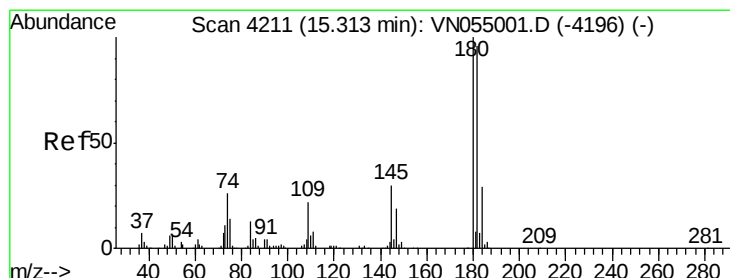
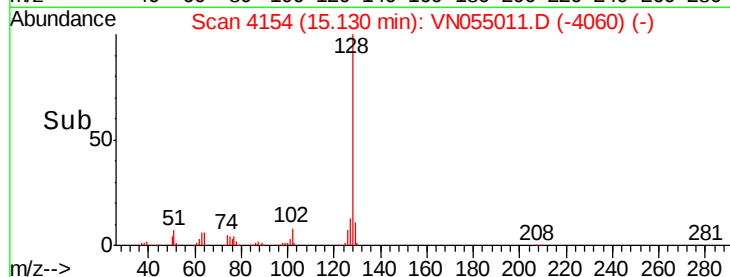
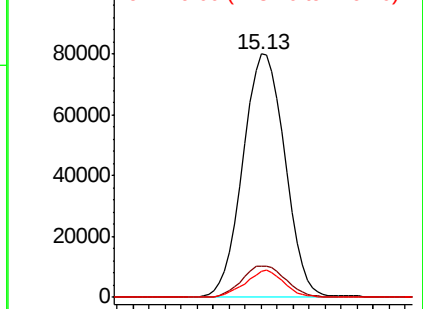
128 100

127 13.5 10.1 15.1

129 10.2 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: 19.242 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055011.D

Acq: 12 Apr 2019 20:39

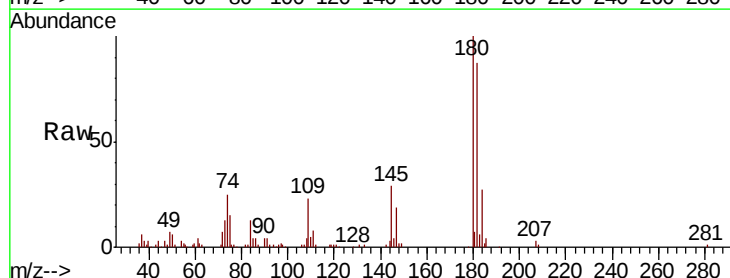
Tgt Ion:180 Resp: 67804

Ion Ratio Lower Upper

180 100

182 93.8 48.0 144.0

145 30.2 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

