

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055498.D
 Acq On : 9 May 2019 15:39
 Operator : JC/SP
 Sample : PB119563TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 04:13:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	866246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1471660	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1231425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	360848	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	605703	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
35) Dibromofluoromethane	7.59	113	459169	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
50) Toluene-d8	10.09	98	1794956	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
62) 4-Bromofluorobenzene	12.40	95	528655	42.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.76%	

Target Compounds

					Qvalue
11) Tert butyl alcohol	4.83	59	415	0.215 ug/l #	73
13) Acrolein	3.59	56	402	0.313 ug/l #	1
16) Acetone	3.83	43	13456	2.228 ug/l	95
17) Carbon Disulfide	4.05	76	7334	0.284 ug/l	95
18) Methyl Acetate	4.33	43	9027	Below Cal #	74
20) Methylene Chloride	4.55	84	15456	1.252 ug/l	96
25) 2-Butanone	6.86	43	2502	0.300 ug/l	92
29) Tetrahydrofuran	7.23	42	3391	0.615 ug/l #	48
31) Cyclohexane	7.66	56	19548	0.929 ug/l #	1
36) 1,1-Dichloropropene	7.67	75	69683	4.806 ug/l #	51
38) Carbon Tetrachloride	7.67	117	84566	6.927 ug/l #	15
43) Isopropyl Acetate	8.17	43	33567	1.397 ug/l	99
48) Methyl methacrylate	9.18	41	18485	1.597 ug/l #	17
51) 4-Methyl-2-Pentanone	9.99	43	14030	0.888 ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	112522	6.868 ug/l #	66
57) 1,3-Dichloropropane	10.76	76	25228	1.363 ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.69	63	95	12.529 ug/l #	52
59) 2-Hexanone	10.76	43	398400	35.949 ug/l #	54
71) Bromoform	12.40	173	3727	0.633 ug/l #	1
73) Isopropylbenzene	12.25	105	3230	Below Cal	98
74) N-amyl acetate	12.08	43	3914	0.286 ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	1052	Below Cal #	94
76) 1,2,3-Trichloropropane	12.40	75	269593	27.444 ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	19187	0.665 ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	269593	101.263 ug/l #	7
87) 1,3-Dichlorobenzene	13.28	146	3261	0.265 ug/l	89
88) 1,4-Dichlorobenzene	13.28	146	3261	0.269 ug/l	89
89) n-Butylbenzene	13.62	91	8141	0.393 ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	3299	0.269 ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.27	75	698	0.421 ug/l #	40
93) 1,2,4-Trichlorobenzene	14.91	180	3620	3.839 ug/l	88
94) Hexachlorobutadiene	15.00	225	1783	Below Cal	95
95) Naphthalene	15.13	128	17703	4.044 ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	5093	3.260 ug/l	91

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Quant Title : SW846 8260
QLast Update : Thu May 09 04:17:44 2019
Response via : Initial Calibration

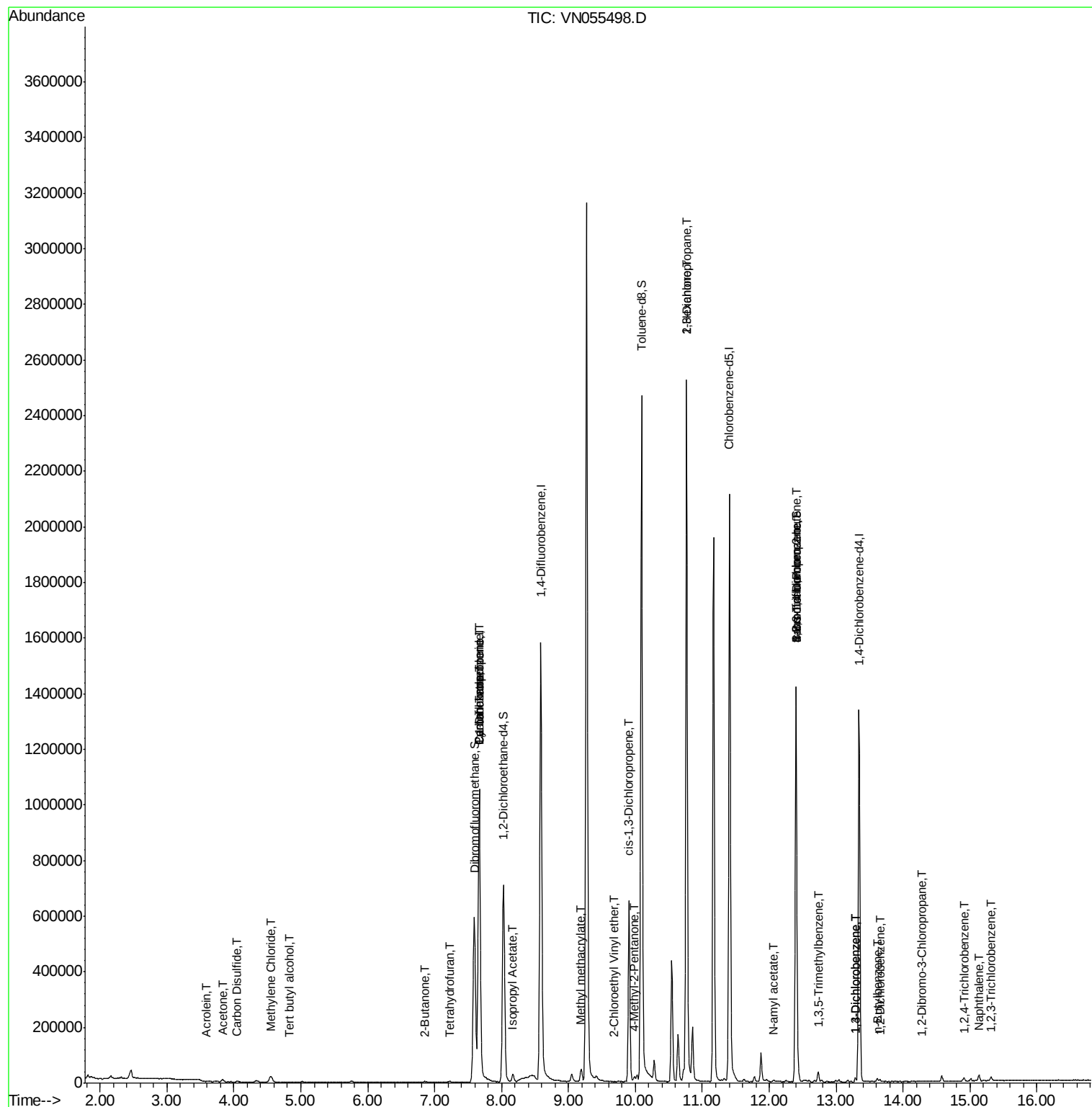
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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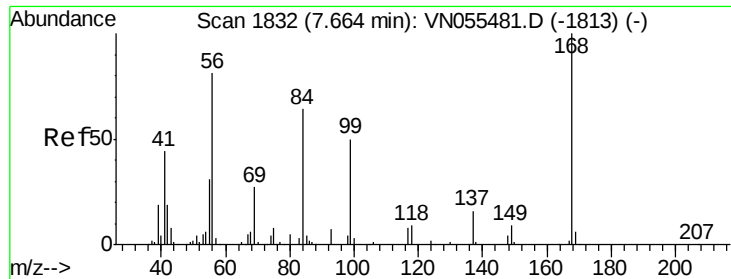
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055498.D

Acq: 9 May 2019 15:39

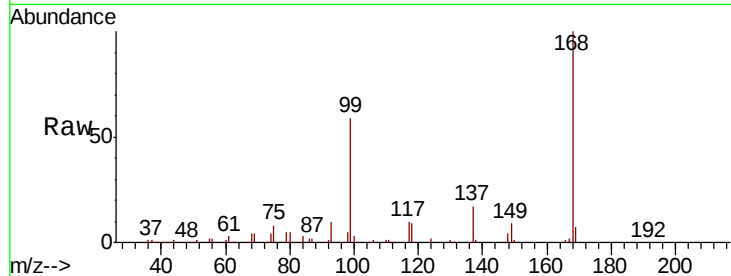
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 866246

Ion Ratio Lower Upper

168 100

99 58.6 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

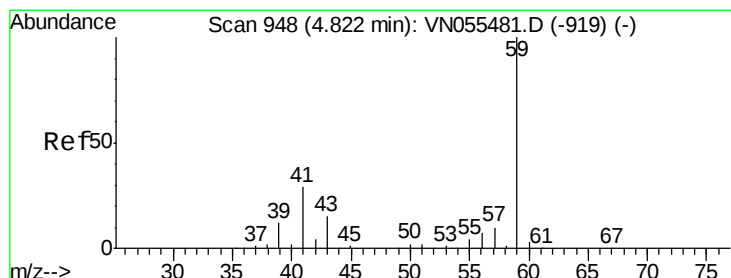
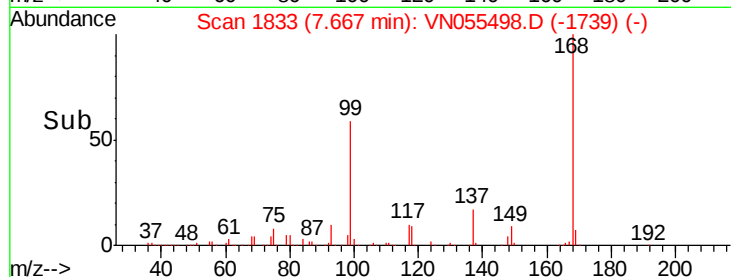
200000

100000

0

7.60 7.65 7.70 7.75

Time-->



#11

Tert butyl alcohol

Concen: 0.215 ug/l

RT: 4.83 min Scan# 950

Delta R.T. 0.01 min

Lab File: VN055498.D

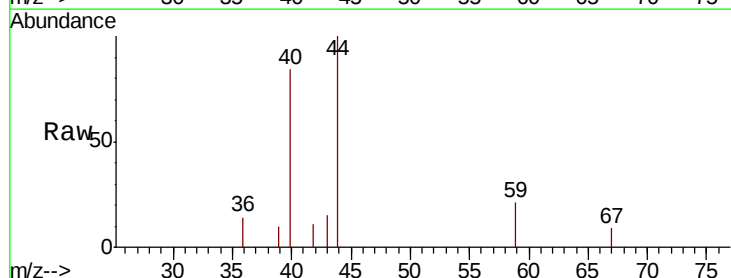
Acq: 9 May 2019 15:39

Tgt Ion: 59 Resp: 415

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.83

400

300

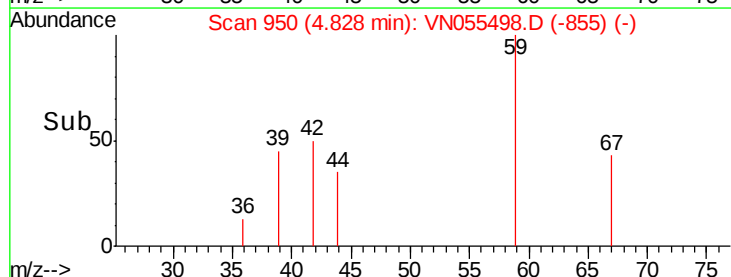
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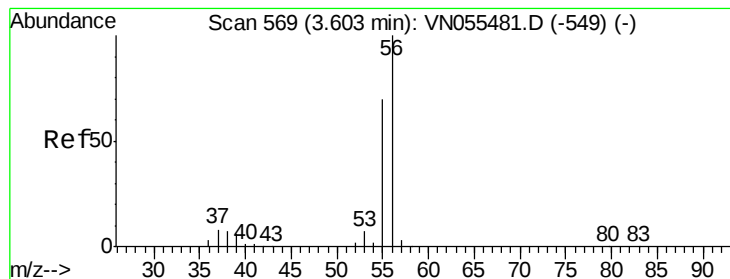
100

0

4.80 4.82 4.84

Time-->





#13

Acrolein

Concen: 0.313 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN055498.D

Acq: 9 May 2019 15:39

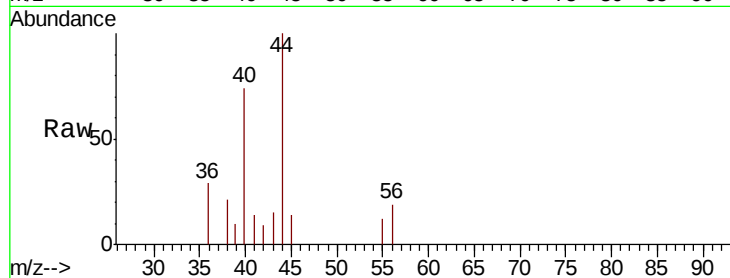
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 402

Ion Ratio Lower Upper

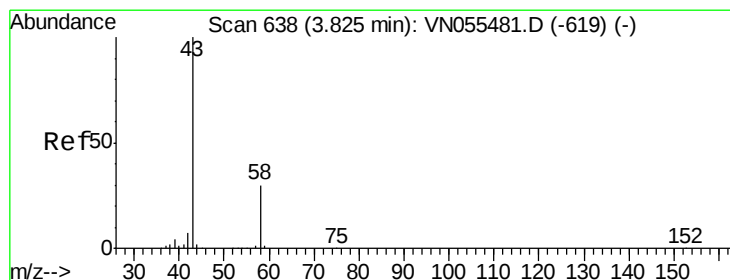
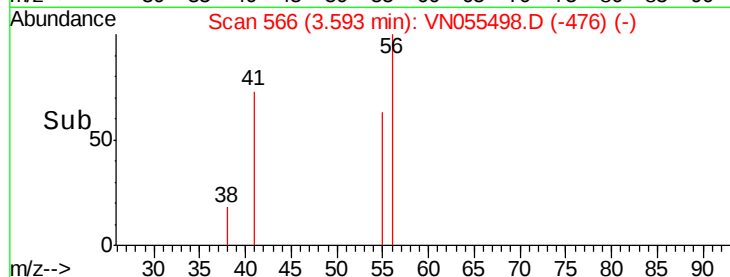
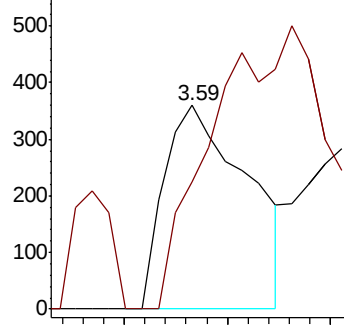
56 100

55 194.0 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 2.228 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN055498.D

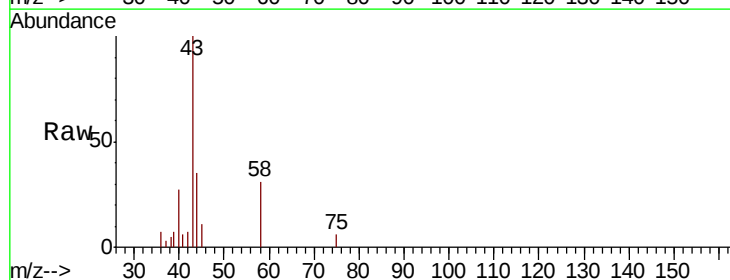
Acq: 9 May 2019 15:39

Tgt Ion: 43 Resp: 13456

Ion Ratio Lower Upper

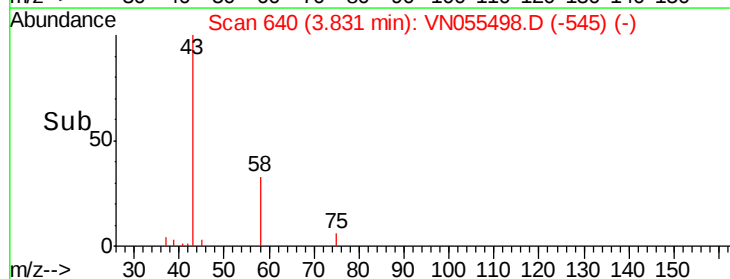
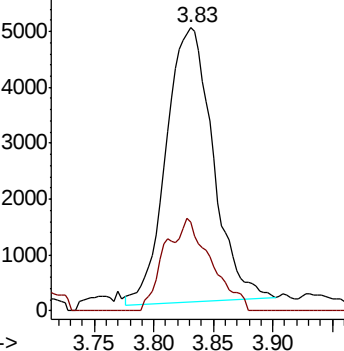
43 100

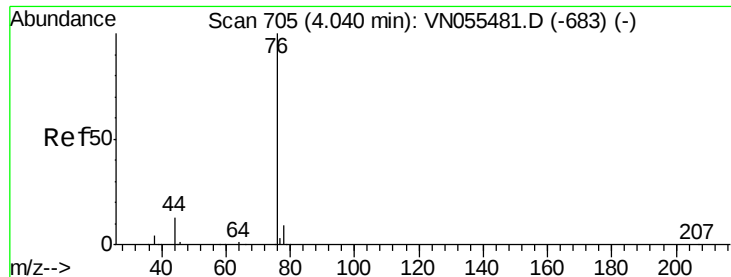
58 32.7 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

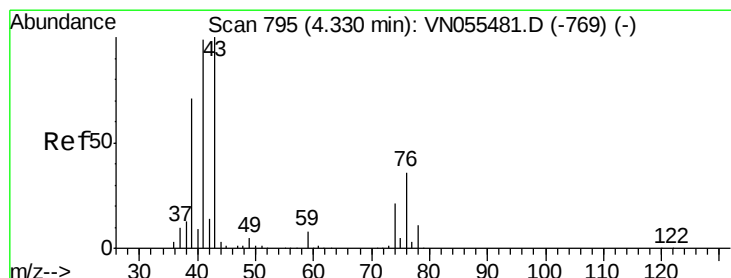
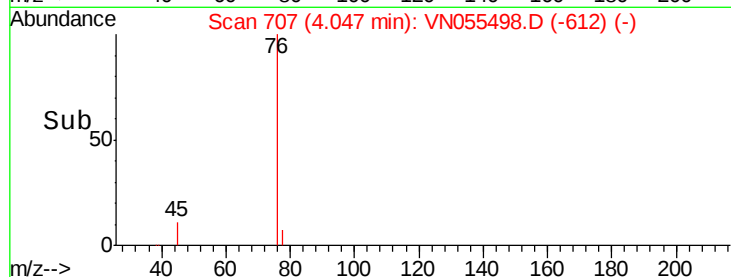
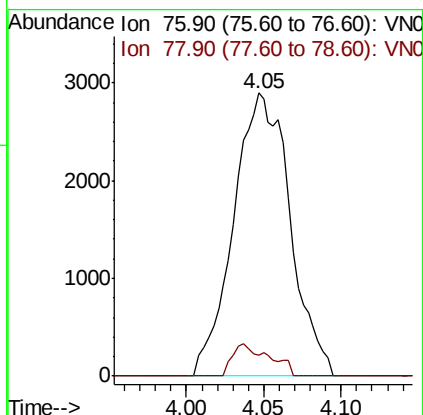
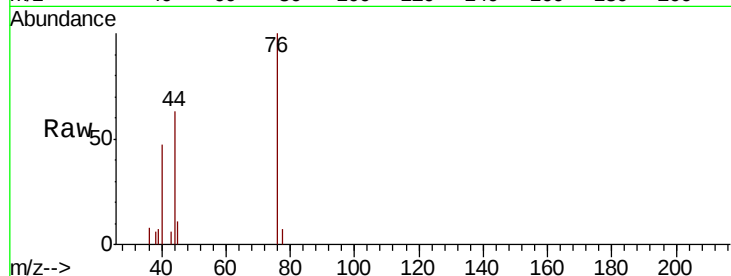




#17
Carbon Disulfide
Concen: 0.284 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.01 min
Lab File: VN055498.D
Acq: 9 May 2019 15:39

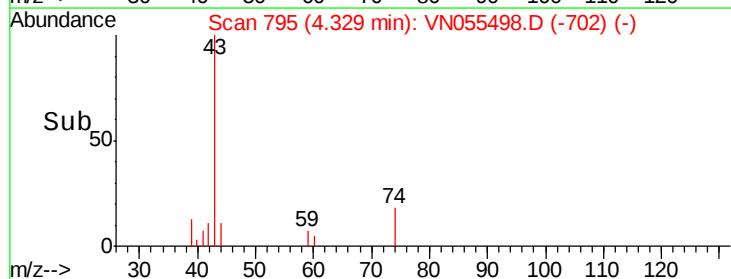
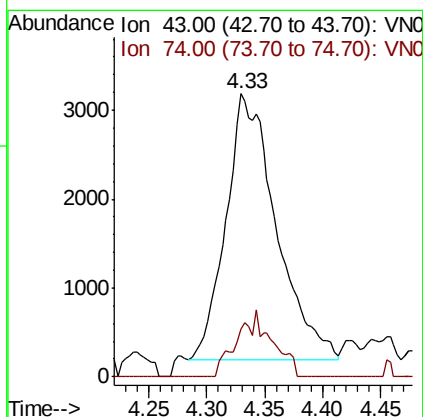
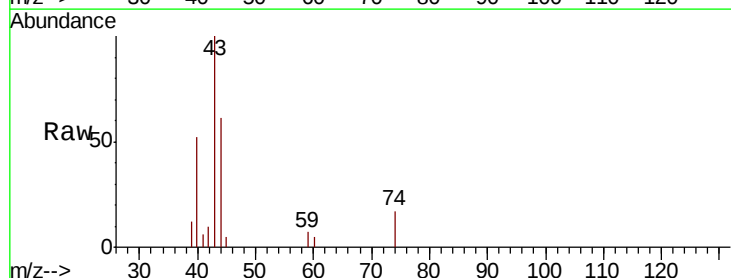
Instrument :
MSVOA_N
ClientSampled :

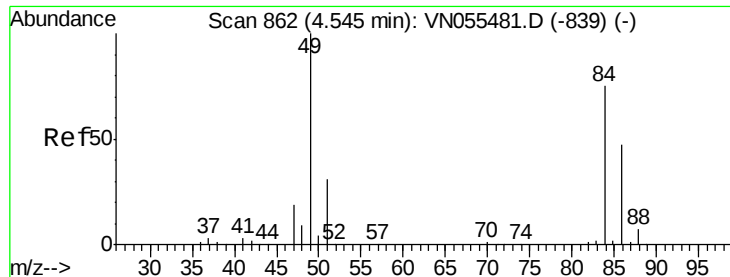
Tot Ion: 76 Resp: 7334
Ion Ratio Lower Upper
76 100
78 7.4 7.4 11.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055498.D
Acq: 9 May 2019 15:39

Tgt Ion: 43 Resp: 9027
Ion Ratio Lower Upper
43 100
74 8.2 16.3 24.5#

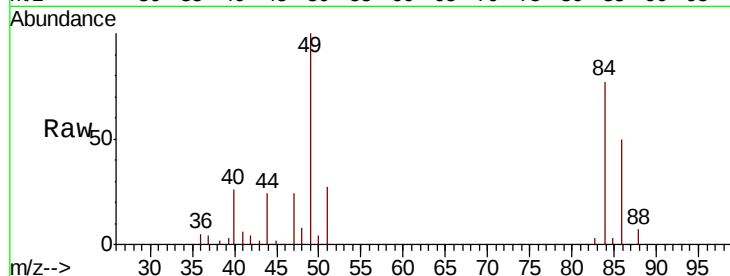




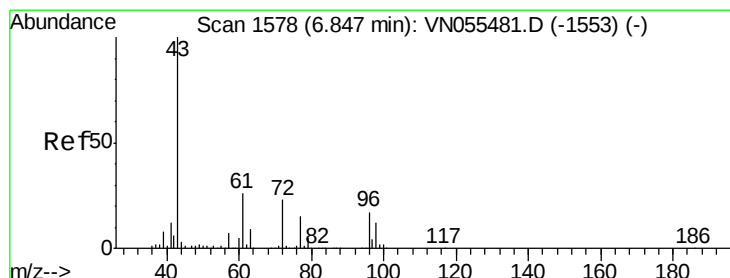
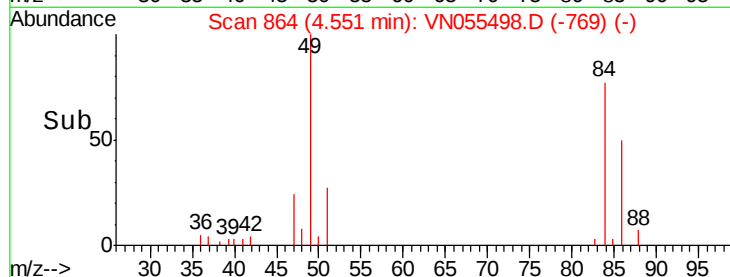
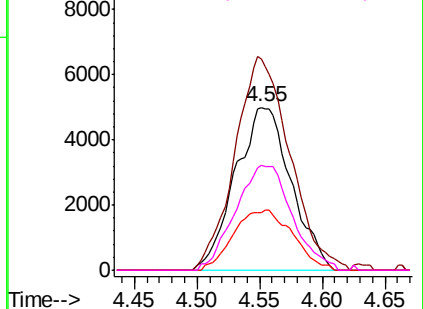
#20
Methvlene Chloride
Concen: 1.252 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN055498.D
Acq: 9 May 2019 15:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 15456
Ion Ratio Lower Upper
84 100
49 129.9 107.0 160.6
51 35.3 33.0 49.4
86 64.8 50.6 76.0

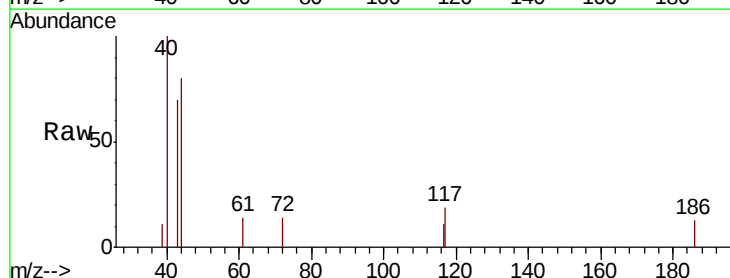


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

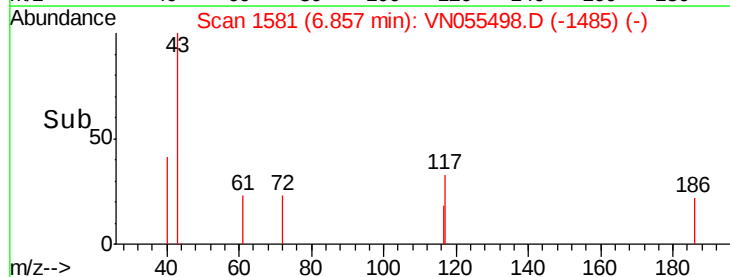
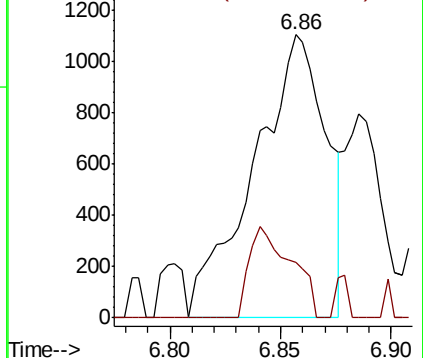


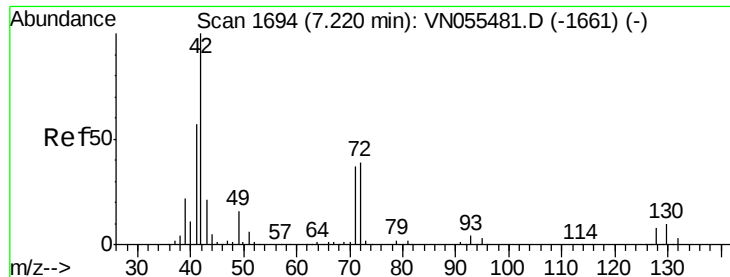
#25
2-Butanone
Concen: 0.300 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VN055498.D
Acq: 9 May 2019 15:39

Tgt Ion: 43 Resp: 2502
Ion Ratio Lower Upper
43 100
72 19.5 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 72.00 (71.70 to 72.70): VNC

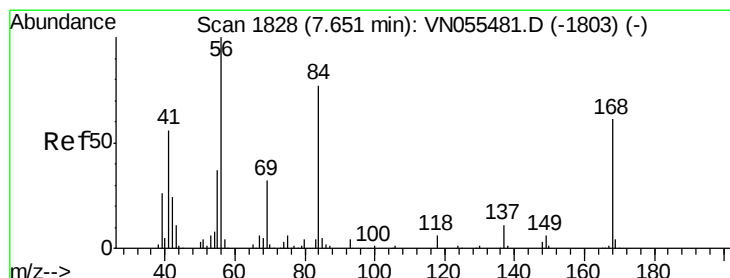
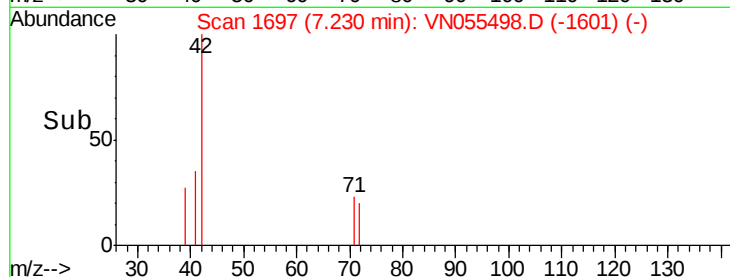
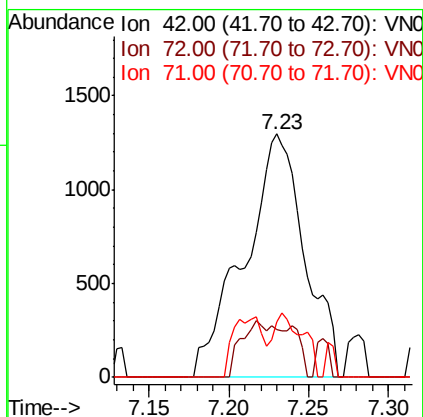
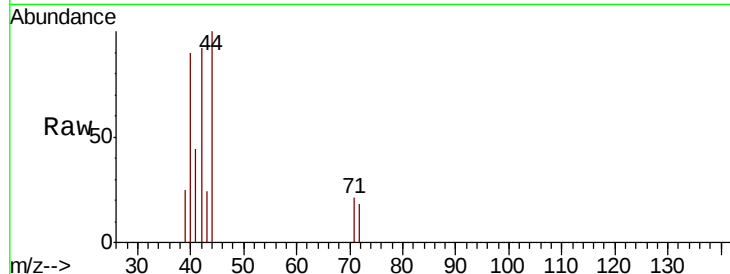




#29
Tetrahydrofuran
Concen: 0.615 ug/l
RT: 7.23 min Scan# 1697
Delta R.T. 0.01 min
Lab File: VN055498.D
Acq: 9 May 2019 15:39

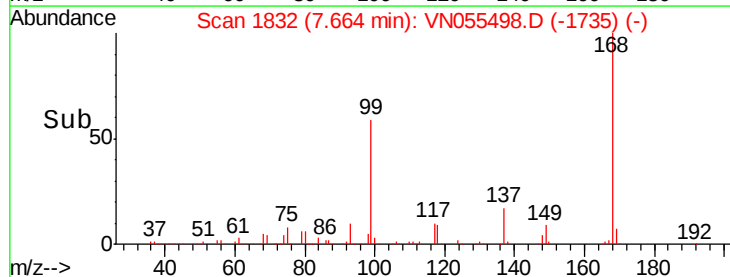
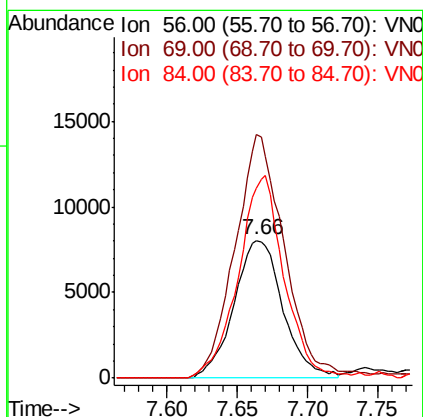
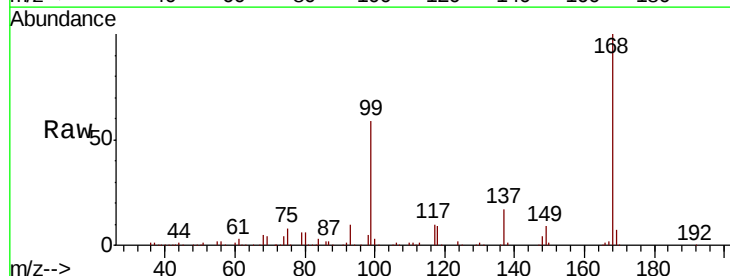
Instrument :
MSVOA_N
ClientSampleId :

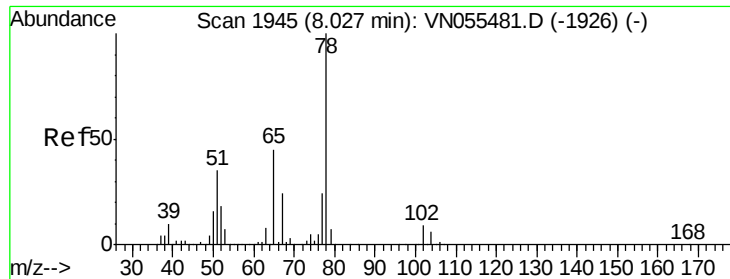
Tot Ion: 42 Resp: 3391
Ion Ratio Lower Upper
42 100
72 0.0 31.0 46.6#
71 13.1 29.4 44.2#



#31
Cyclohexane
Concen: 0.929 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055498.D
Acq: 9 May 2019 15:39

Tgt Ion: 56 Resp: 19548
Ion Ratio Lower Upper
56 100
69 177.1 26.0 39.0#
84 137.8 61.9 92.9#





#33

1,2-Dichloroethane-d4

Concen: 46.440 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN055498.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_N

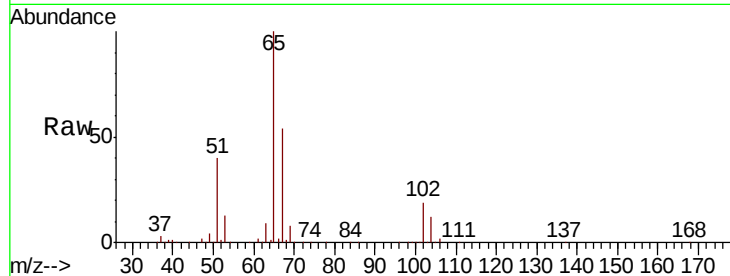
ClientSampled :

Tot Ion: 65 Resp: 605703

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

250000

200000

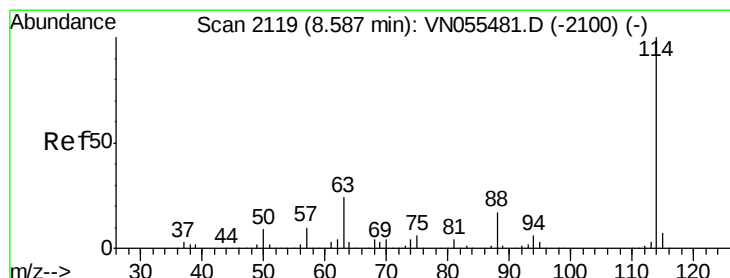
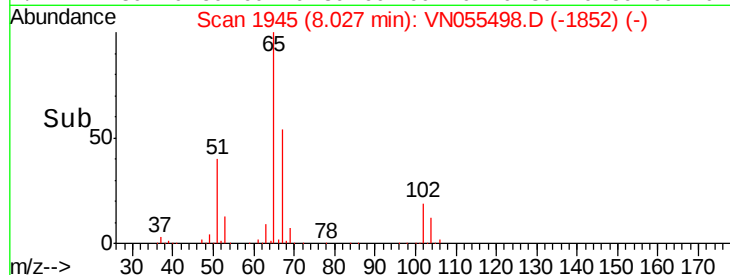
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN055498.D

Acq: 9 May 2019 15:39

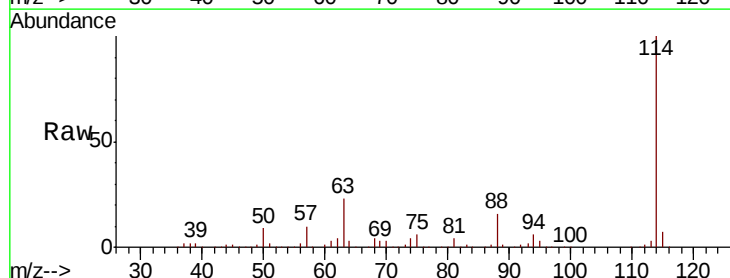
Tgt Ion:114 Resp: 1471660

Ion Ratio Lower Upper

114 100

63 22.9 0.0 47.4

88 16.2 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

800000

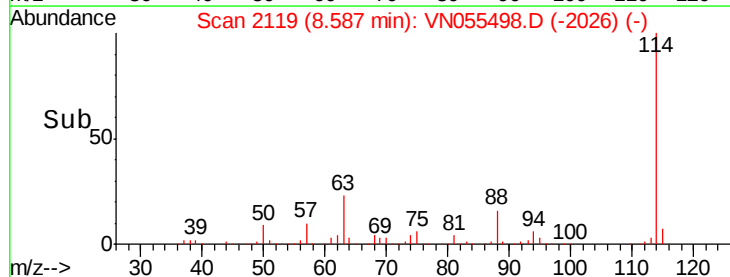
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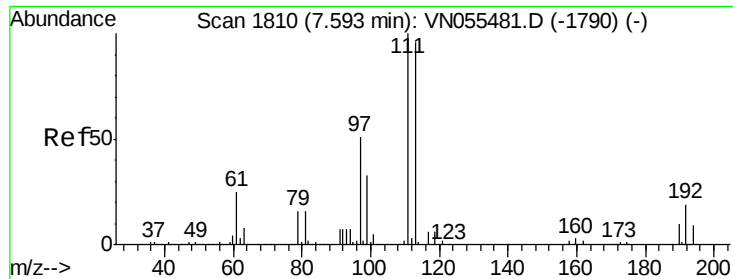
400000

200000

0

Time-->

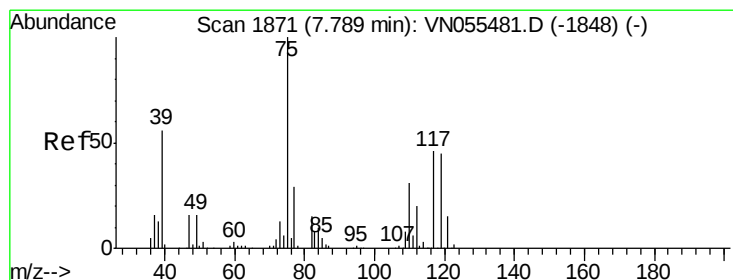
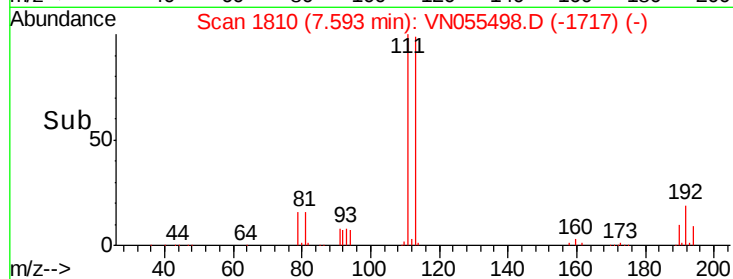
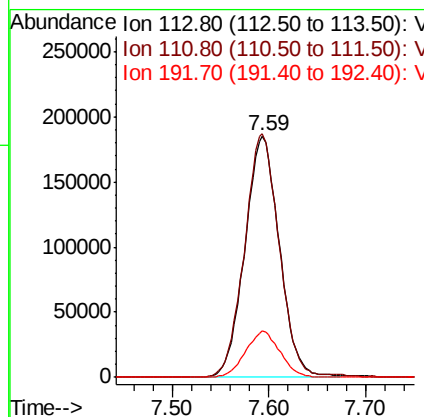
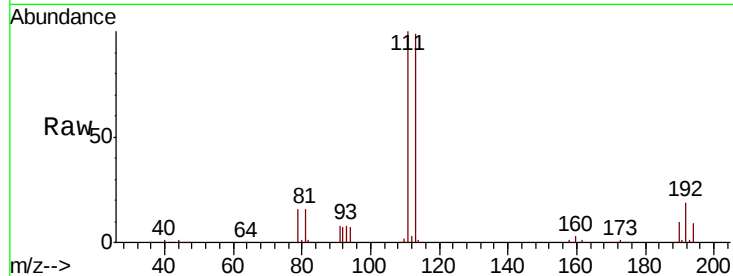




#35
 Dibromofluoromethane
 Concen: 48.367 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055498.D
 Acq: 9 May 2019 15:39

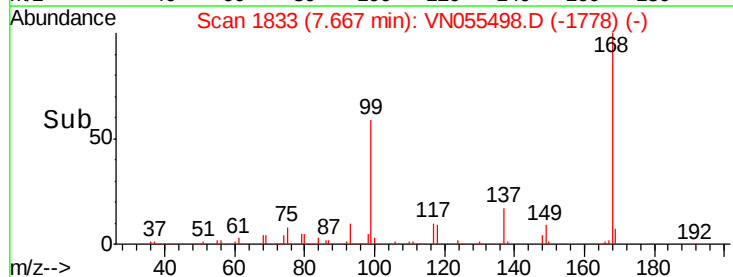
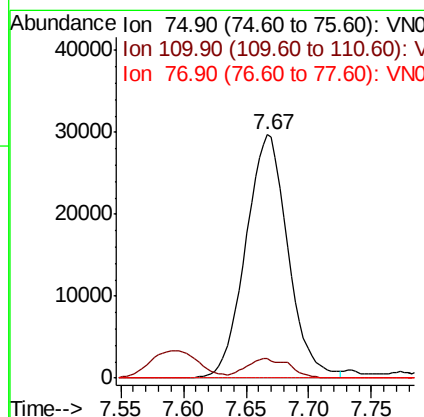
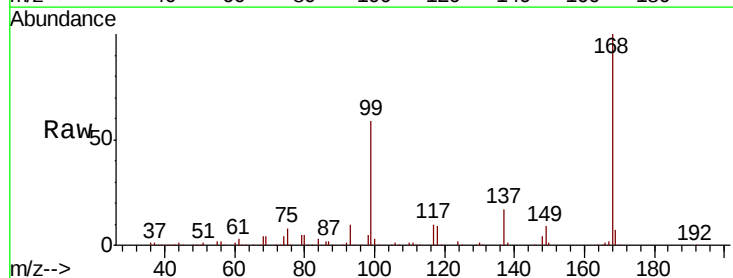
Instrument :
 MSVOA_N
 ClientSampleId :

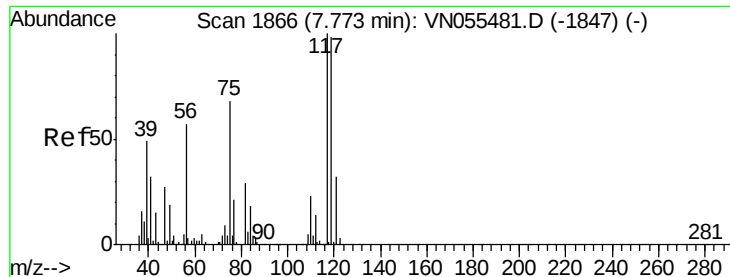
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.9	124.3
192	19.3	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 4.806 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN055498.D
 Acq: 9 May 2019 15:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.1	48.3#
77	0.0	24.6	37.0#

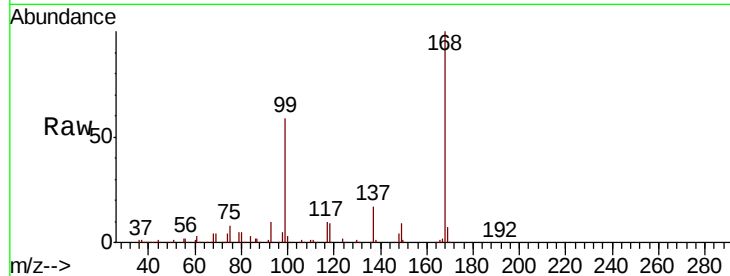




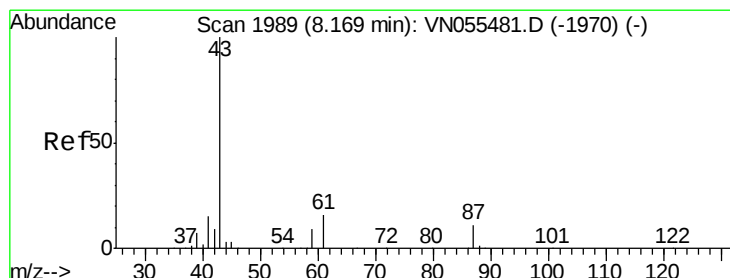
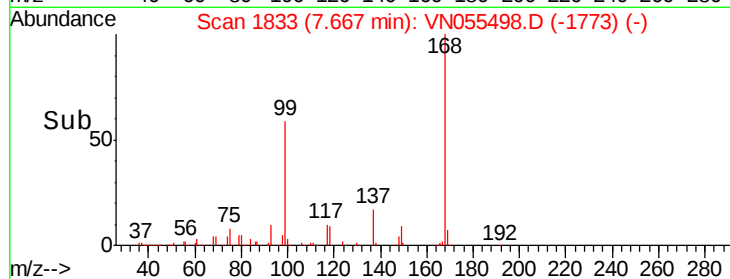
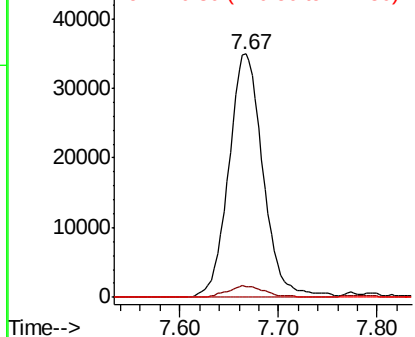
#38
Carbon Tetrachloride
Concen: 6.927 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN055498.D
Acq: 9 May 2019 15:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 84566
Ion Ratio Lower Upper
117 100
119 4.5 77.8 116.6#
121 0.0 25.2 37.8#

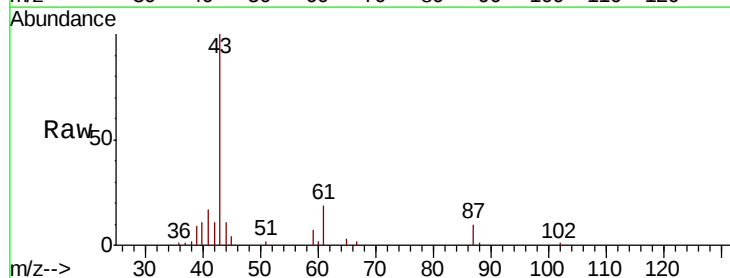


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

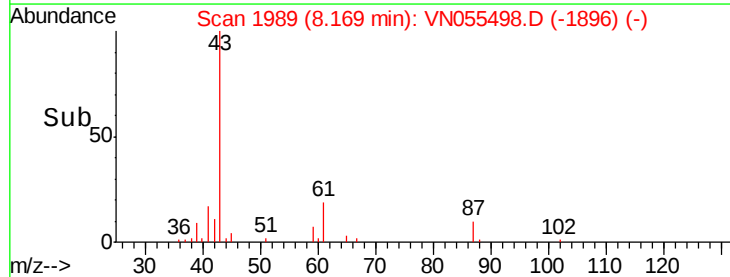
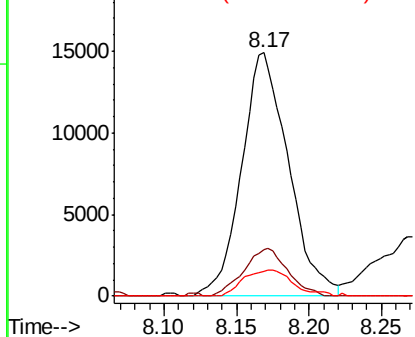


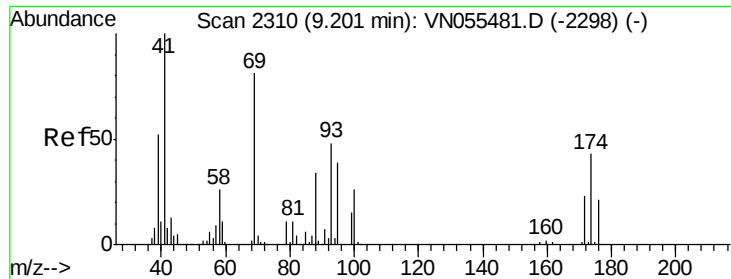
#43
Isopropyl Acetate
Concen: 1.397 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VN055498.D
Acq: 9 May 2019 15:39

Tgt Ion: 43 Resp: 33567
Ion Ratio Lower Upper
43 100
61 18.3 15.1 22.7
87 11.3 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO

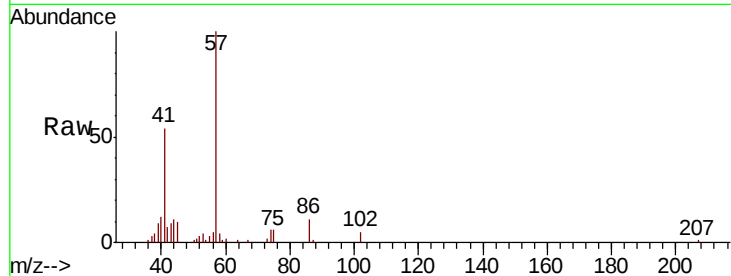




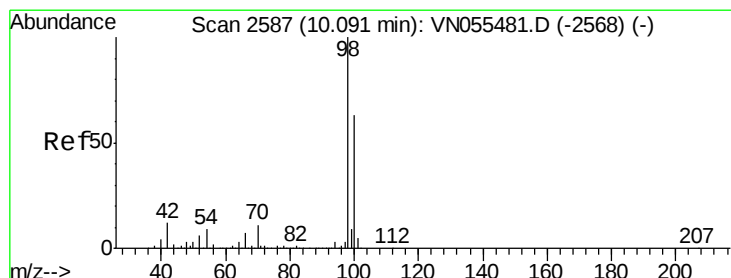
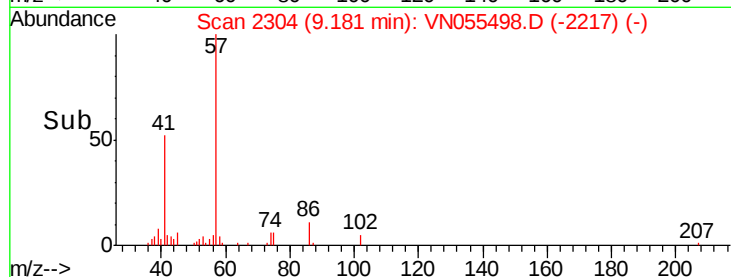
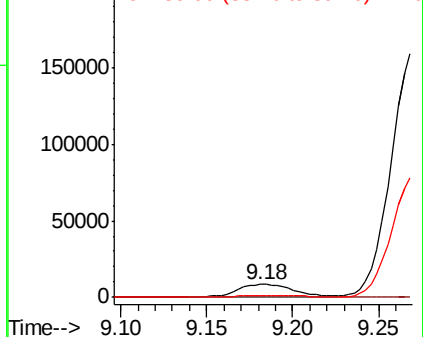
#48
Methvl methacrylate
Concen: 1.597 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN055498.D
Acq: 9 May 2019 15:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 18485
Ion Ratio Lower Upper
41 100
69 1.2 64.2 96.2#
39 0.0 41.6 62.4#

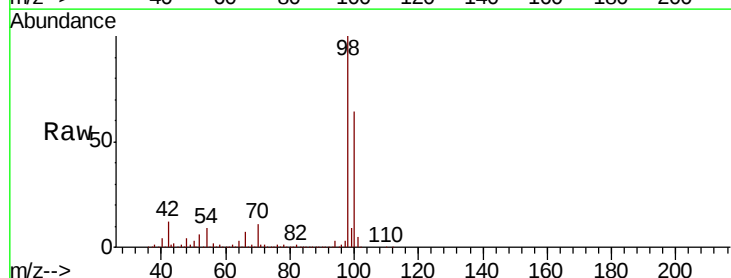


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

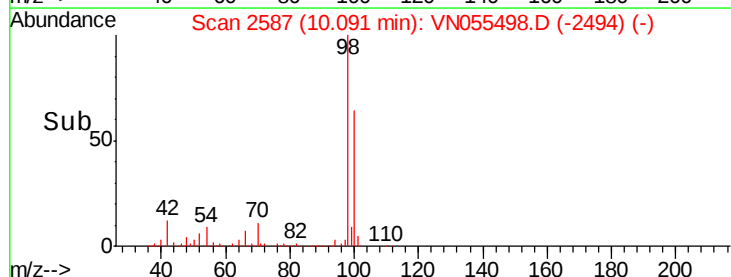
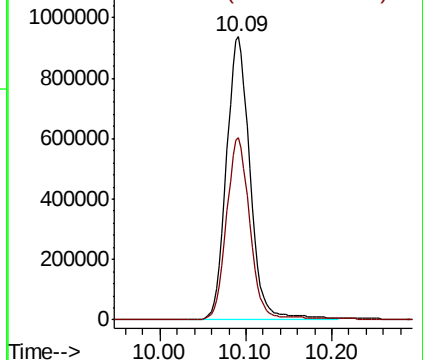


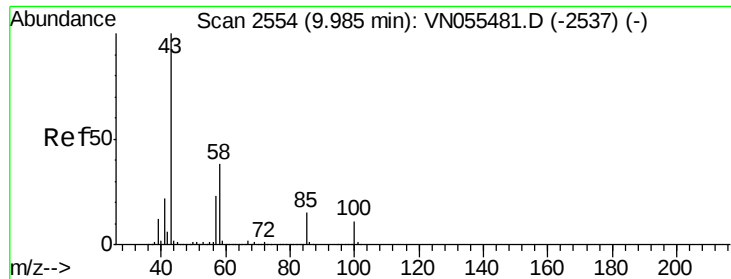
#50
Toluene-d8
Concen: 48.519 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055498.D
Acq: 9 May 2019 15:39

Tgt Ion: 98 Resp: 1794956
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6



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: 0.888 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055498.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_N

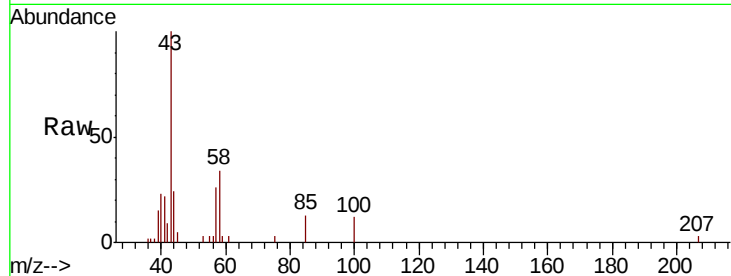
ClientSampled :

Tot Ion: 43 Resp: 14030

Ion Ratio Lower Upper

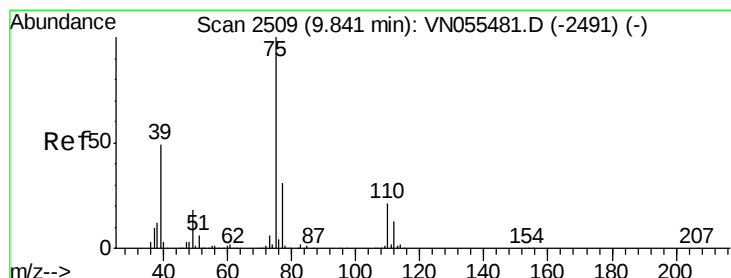
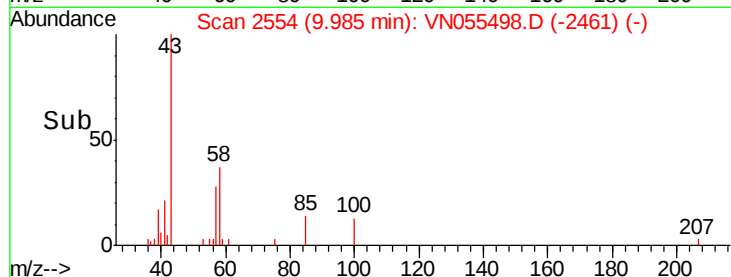
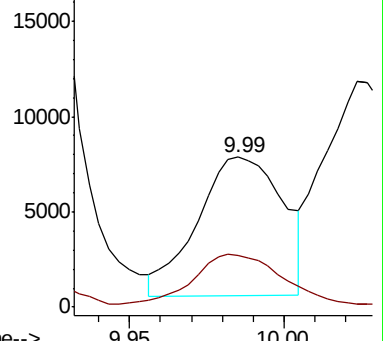
43 100

58 38.0 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 6.868 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN055498.D

Acq: 9 May 2019 15:39

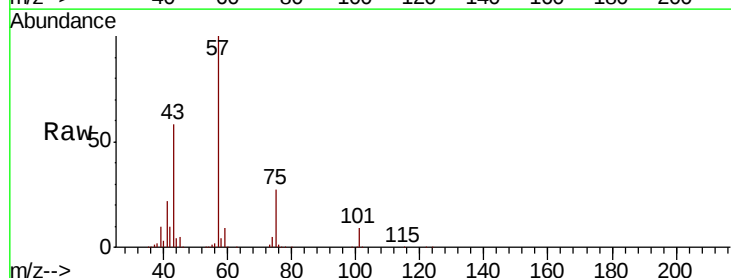
Tgt Ion: 75 Resp: 112522

Ion Ratio Lower Upper

75 100

77 0.6 24.4 36.6#

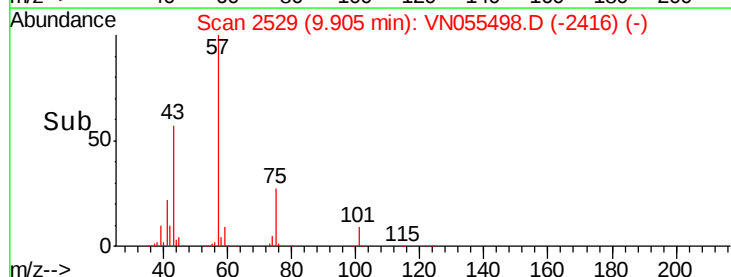
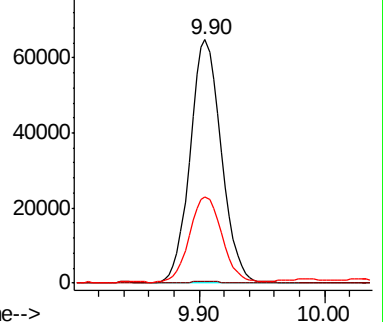
39 35.0 39.5 59.3#

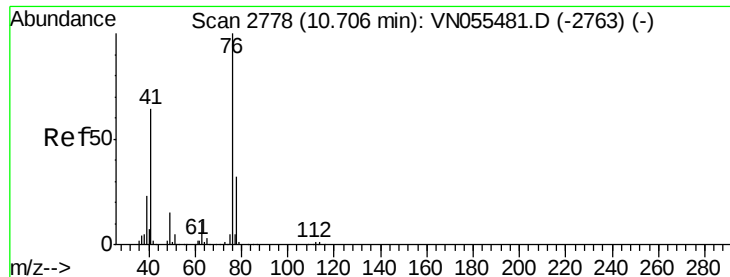


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

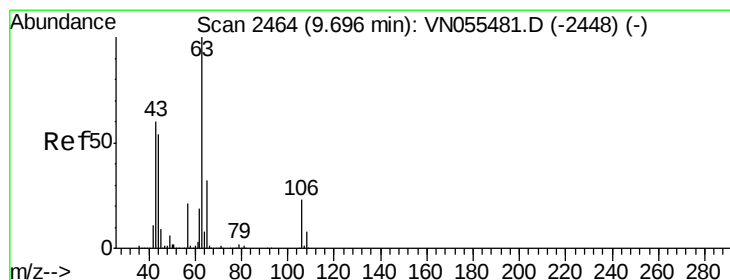
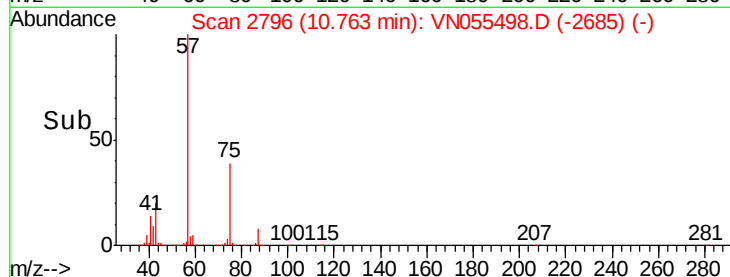
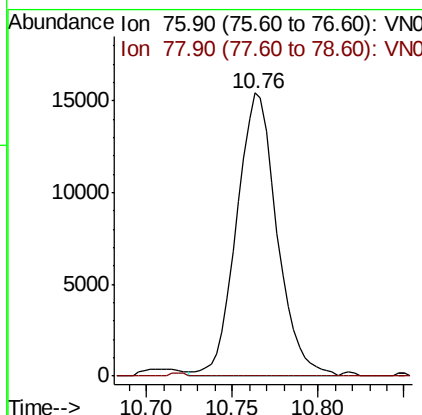
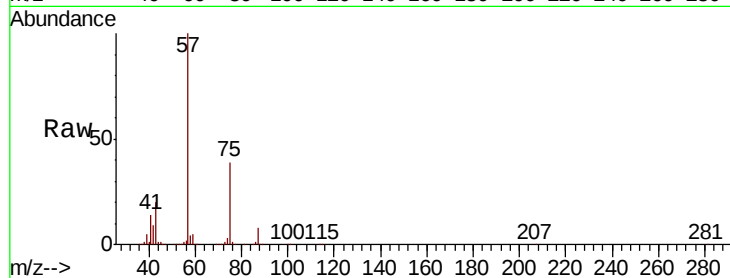




#57
 1,3-Dichloropropane
 Concen: 1.363 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN055498.D
 Acq: 9 May 2019 15:39

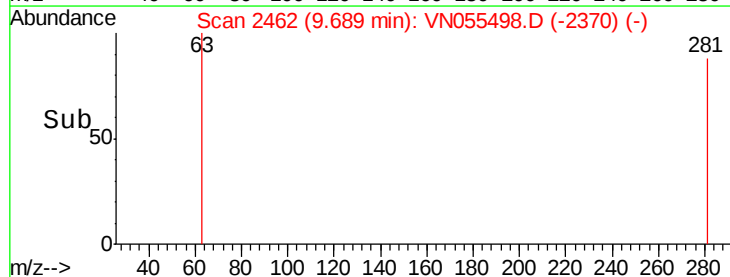
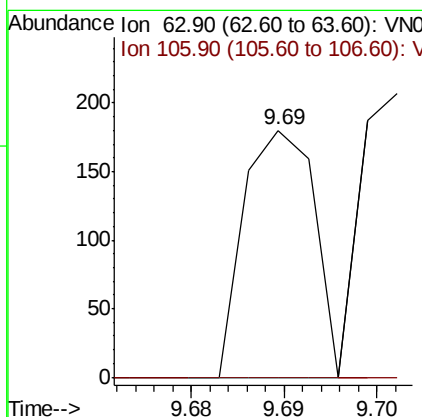
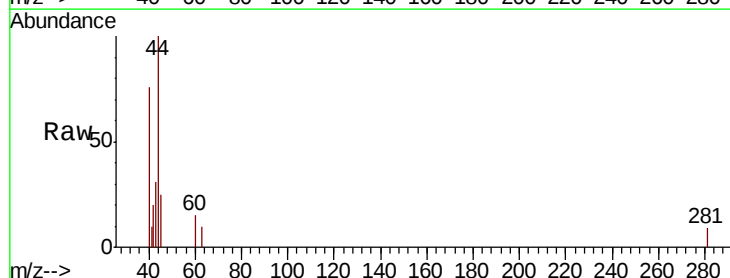
Instrument :
 MSVOA_N
 ClientSampleId :

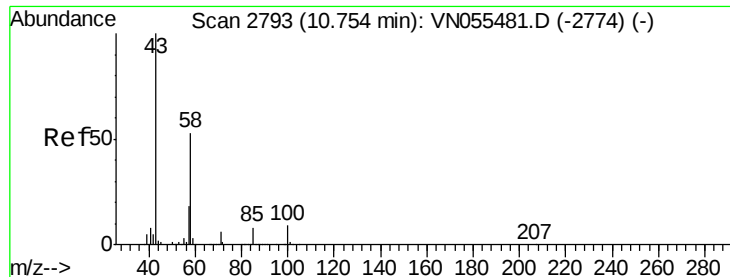
Tot Ion: 76 Resp: 25228
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#58
 2-Chloroethyl Vinyl ether
 Concen: 12.529 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.01 min
 Lab File: VN055498.D
 Acq: 9 May 2019 15:39

Tgt Ion: 63 Resp: 95
 Ion Ratio Lower Upper
 63 100
 106 0.0 18.6 27.8#





#59

2-Hexanone

Concen: 35.949 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN055498.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_N

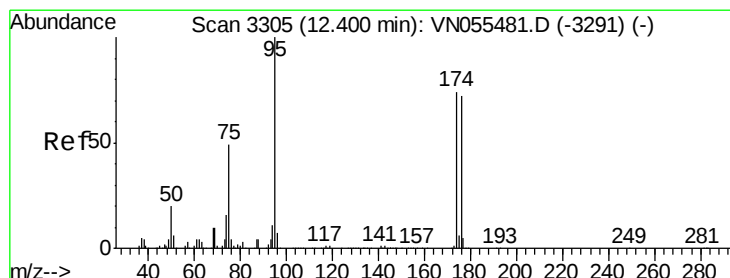
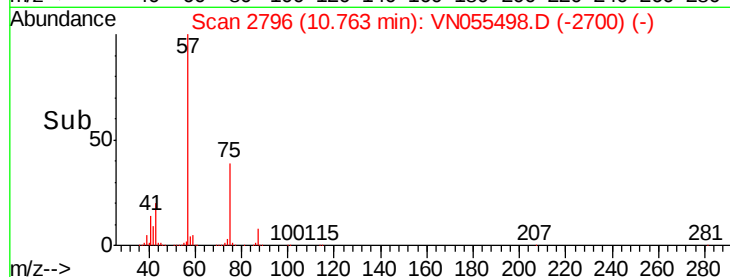
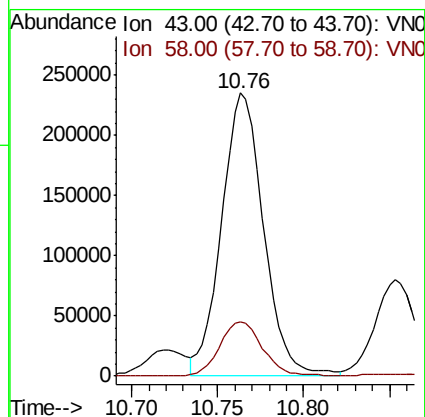
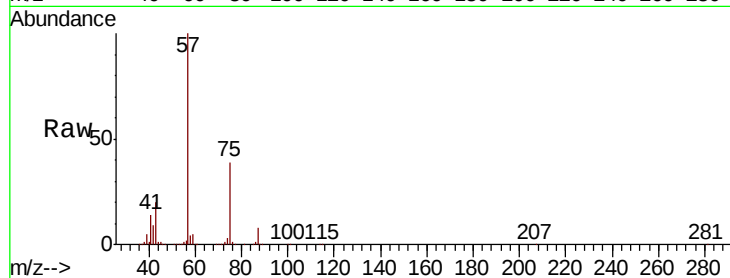
ClientSampled :

Tot Ion: 43 Resp: 398400

Ion Ratio Lower Upper

43 100

58 20.0 26.4 79.0#



#62

4-Bromofluorobenzene

Concen: 42.380 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055498.D

Acq: 9 May 2019 15:39

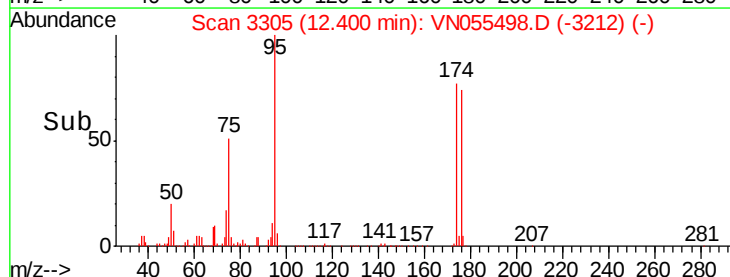
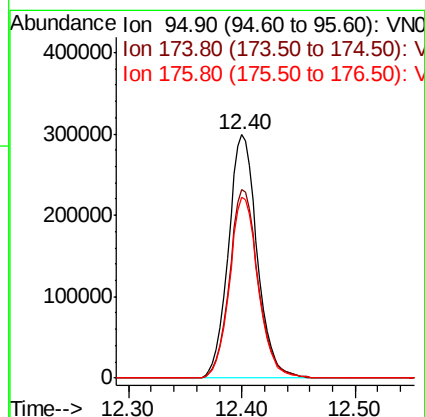
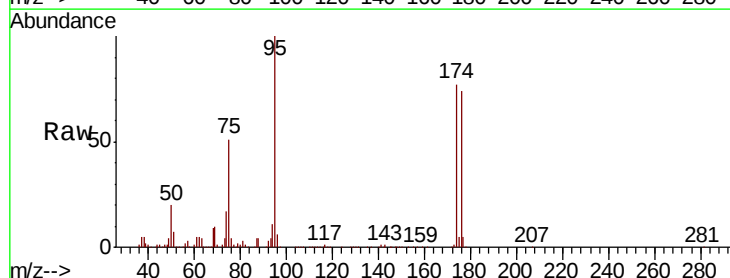
Tgt Ion: 95 Resp: 528655

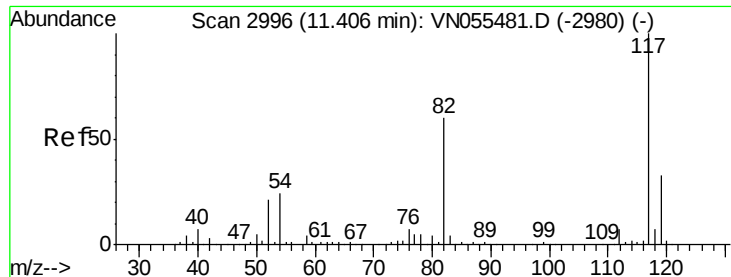
Ion Ratio Lower Upper

95 100

174 77.5 0.0 152.2

176 74.1 0.0 147.8

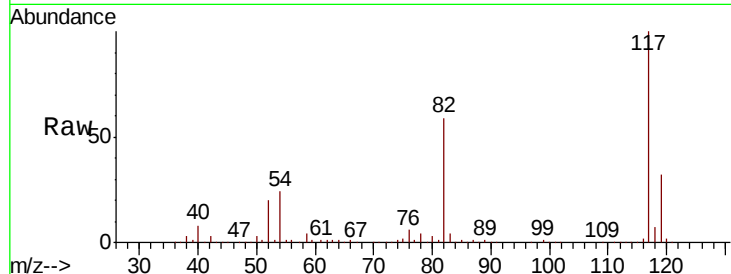




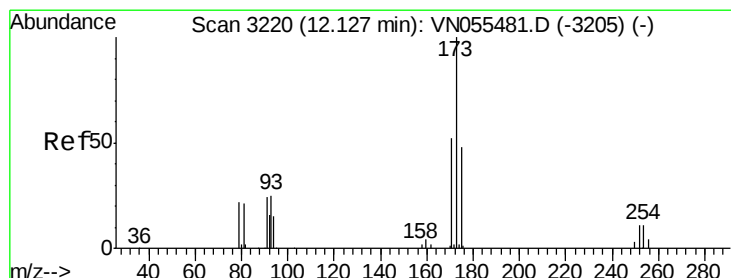
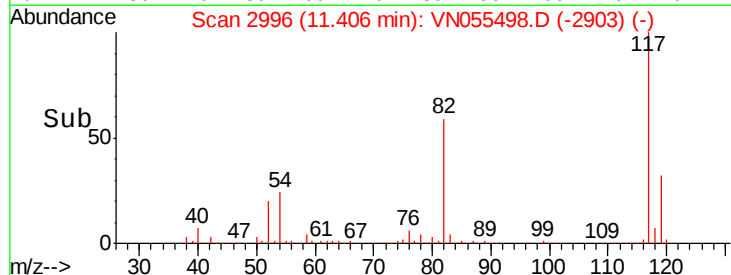
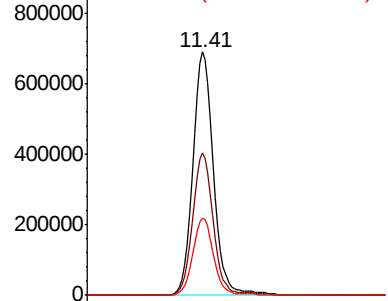
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055498.D
Acq: 9 May 2019 15:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1231425
Ion Ratio Lower Upper
117 100
82 58.6 48.0 72.0
119 32.0 26.0 39.0

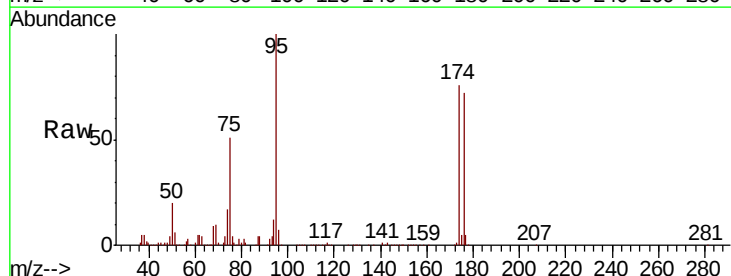


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

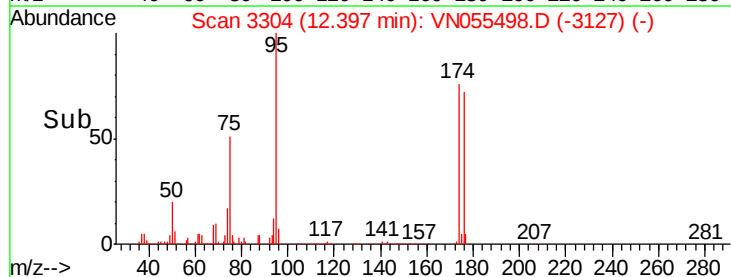
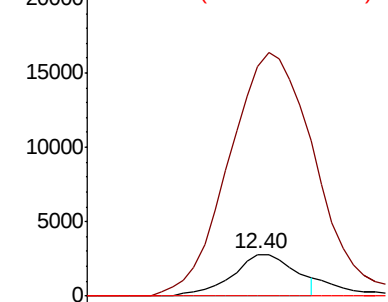


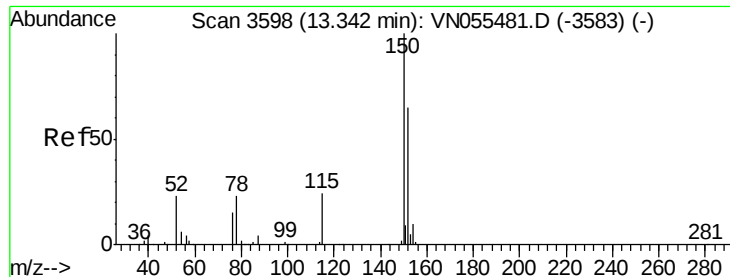
#71
Bromoform
Concen: 0.633 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN055498.D
Acq: 9 May 2019 15:39

Tgt Ion:173 Resp: 3727
Ion Ratio Lower Upper
173 100
175 682.6 24.1 72.4#
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



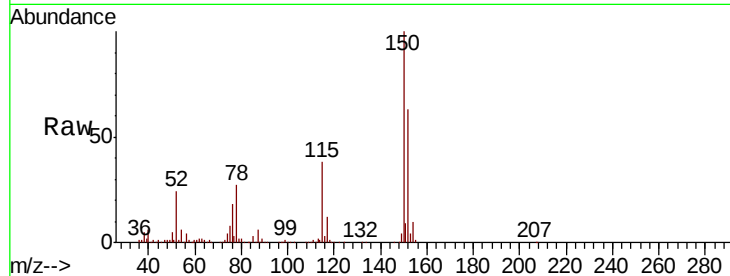


#72

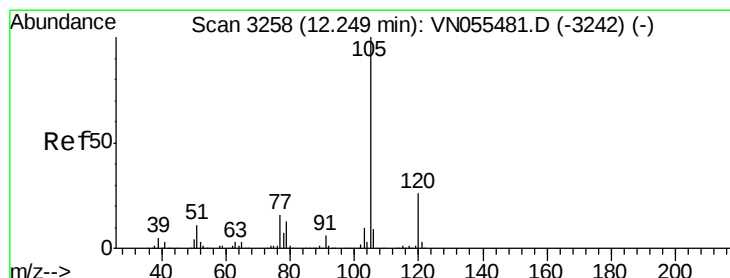
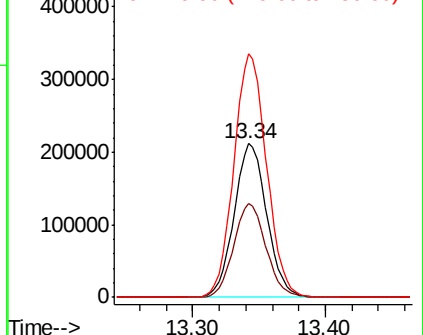
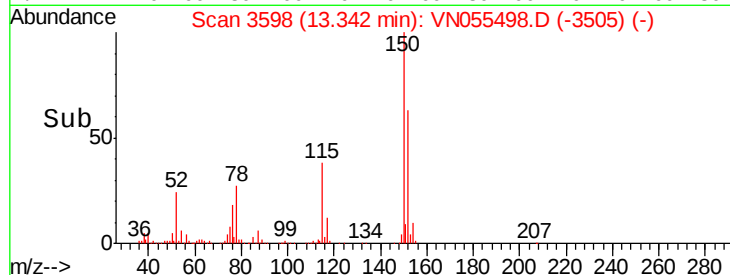
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055498.D
Acq: 9 May 2019 15:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 360848
Ion Ratio Lower Upper
152 100
115 60.8 30.1 90.5
150 159.1 0.0 355.0



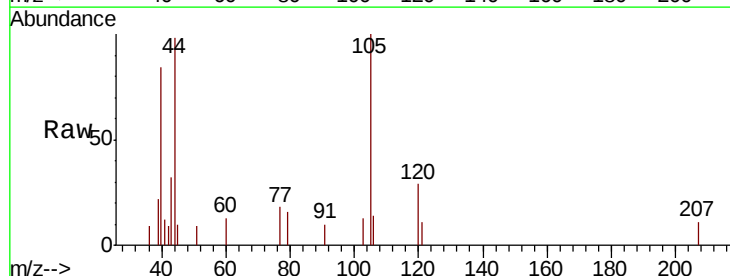
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



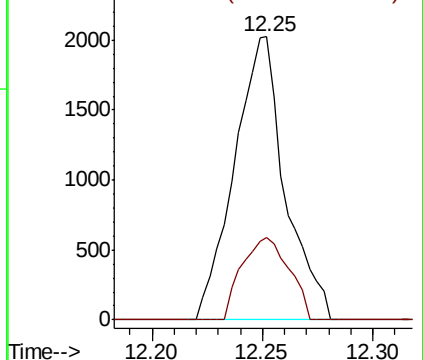
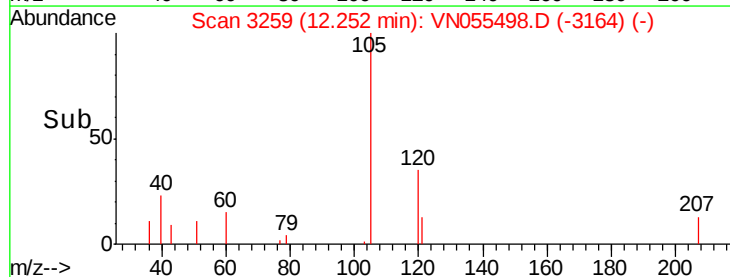
#73

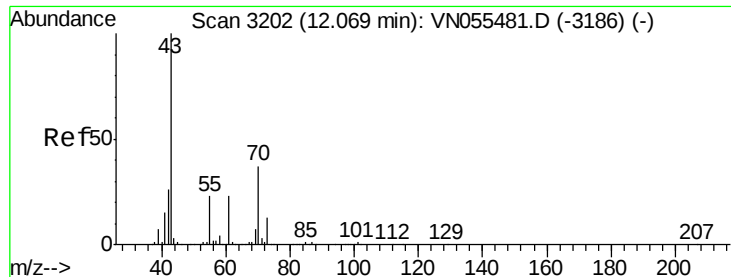
Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN055498.D
Acq: 9 May 2019 15:39

Tgt Ion:105 Resp: 3230
Ion Ratio Lower Upper
105 100
120 27.1 13.0 39.0



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





#74

N-amvl acetate

Concen: 0.286 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN055498.D

Acq: 9 May 2019 15:39

Instrument :

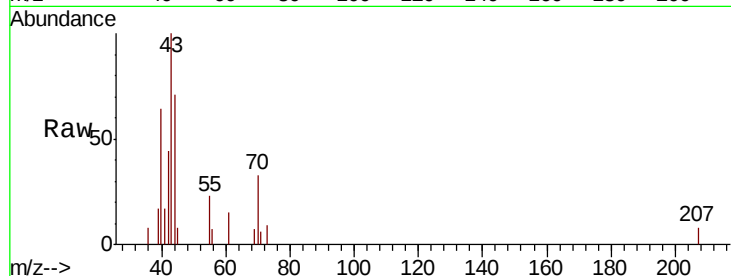
MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 3914

Ion Ratio Lower Upper

43	100		
70	33.2	30.7	46.1
55	23.9	19.3	28.9
61	11.4	18.6	27.8#

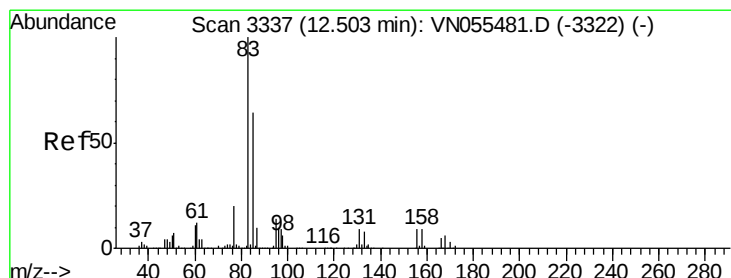
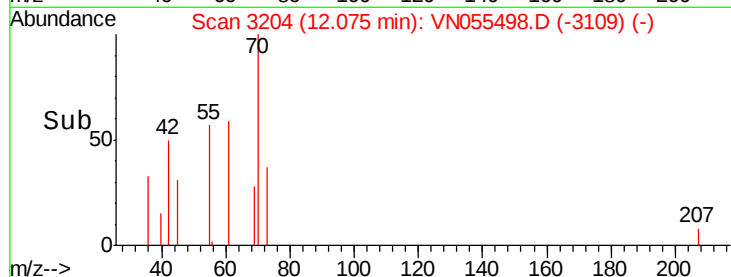
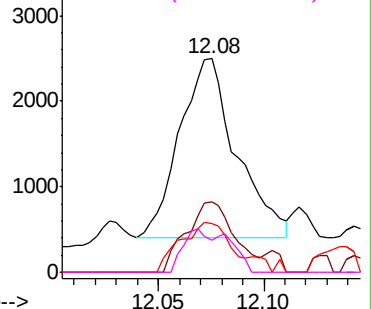


Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 70.00 (69.70 to 70.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 61.00 (60.70 to 61.70): VNC



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

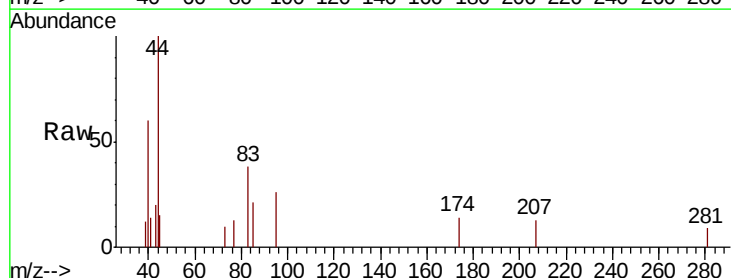
Lab File: VN055498.D

Acq: 9 May 2019 15:39

Tgt Ion: 83 Resp: 1052

Ion Ratio Lower Upper

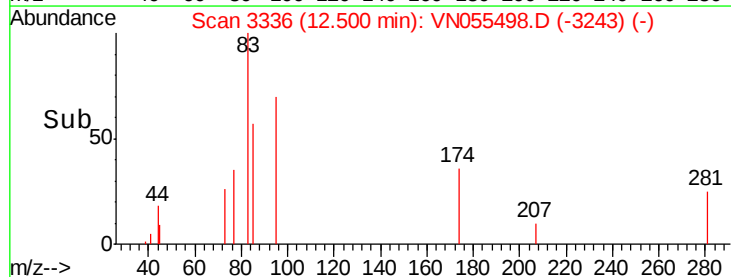
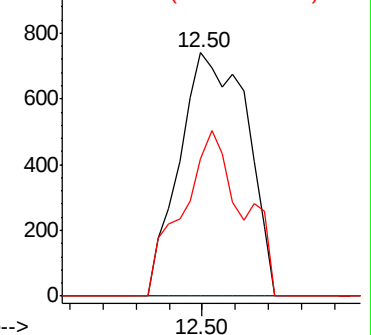
83	100		
131	0.0	4.5	13.5#
85	61.1	32.0	96.0

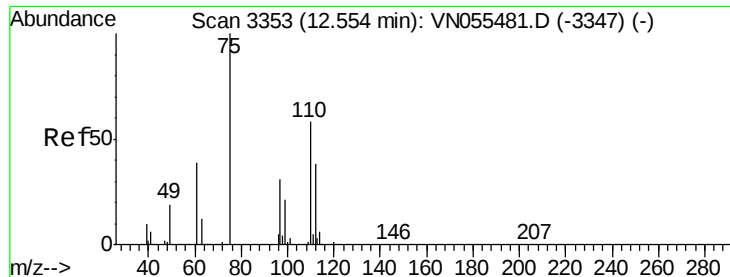


Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNC





#76

1,2,3-Trichloropropane

Concen: 27.444 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055498.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_N

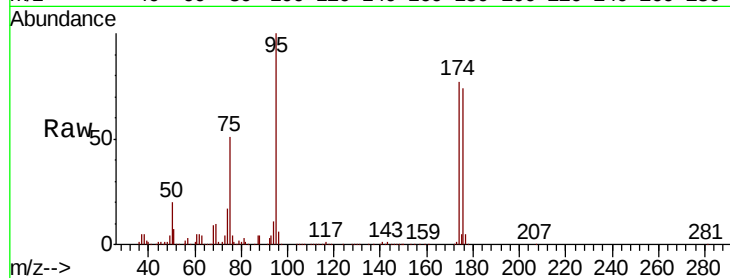
ClientSampleId :

Tot Ion: 75 Resp: 269593

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN055481.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN055481.D (-3347) (-)

12.40

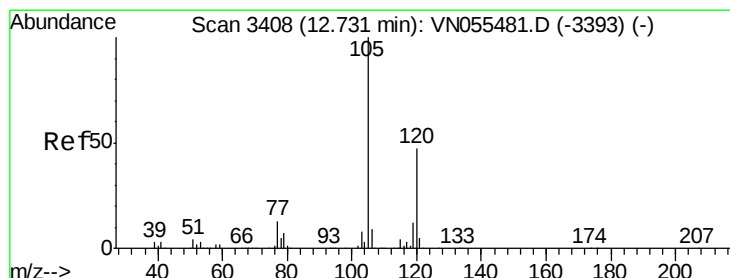
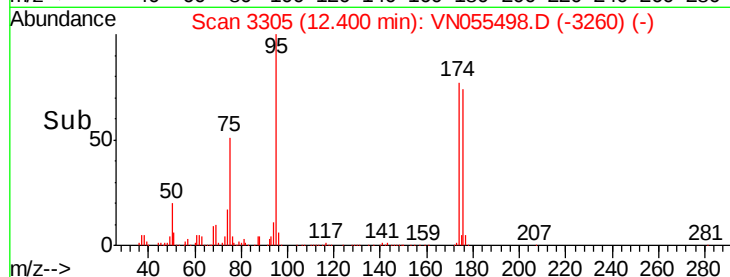
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.665 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055498.D

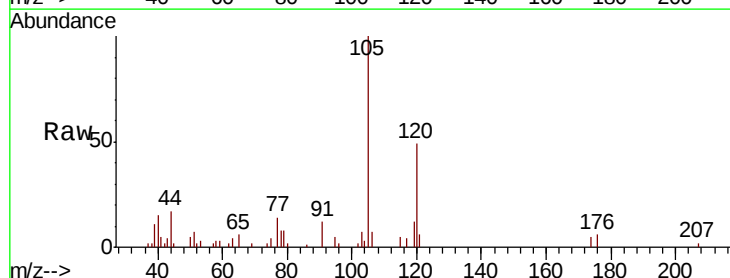
Acq: 9 May 2019 15:39

Tgt Ion: 105 Resp: 19187

Ion Ratio Lower Upper

105 100

120 48.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055481.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055481.D (-3393) (-)

12.73

12000

10000

8000

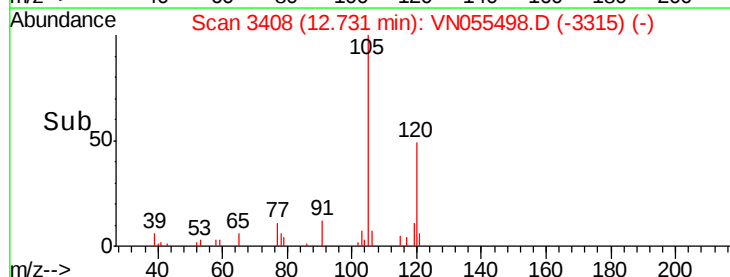
6000

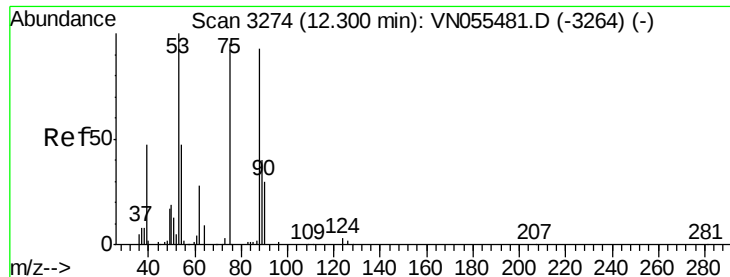
4000

2000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 101.263 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055498.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_N

ClientSampled :

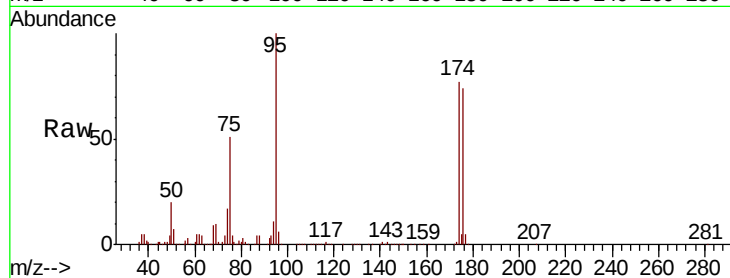
Tot Ion: 75 Resp: 269593

Ion Ratio Lower Upper

75 100

53 0.1 86.5 129.7#

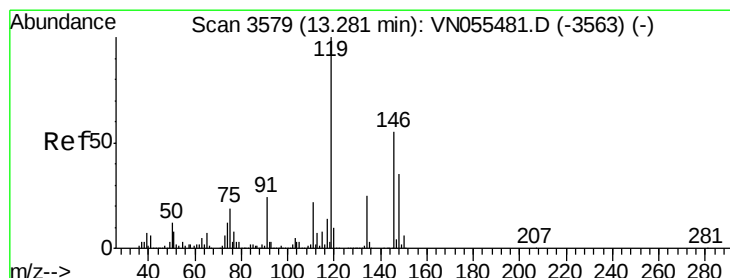
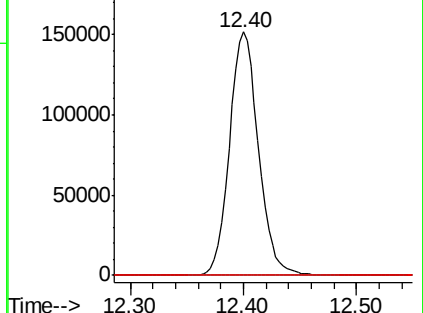
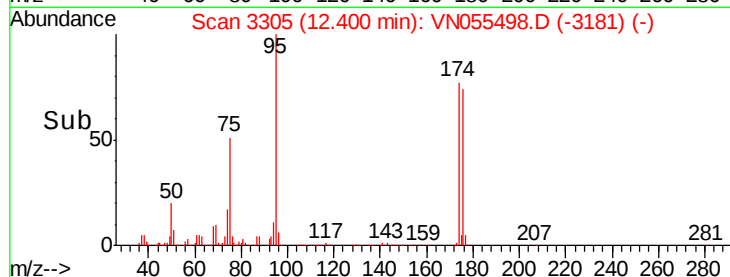
89 0.0 35.7 53.5#



Abundance Ion 74.90 (74.60 to 75.60): VN055498.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN055498.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN055498.D (-3181) (-)



#87

1,3-Dichlorobenzene

Concen: 0.265 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055498.D

Acq: 9 May 2019 15:39

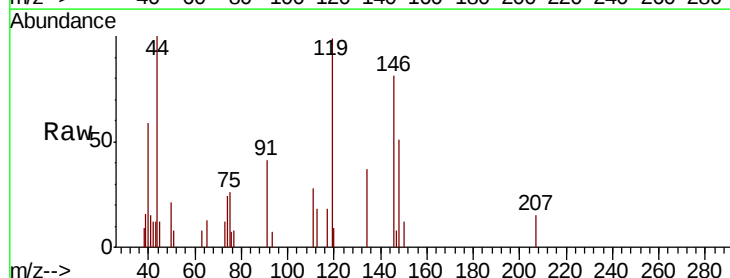
Tgt Ion: 146 Resp: 3261

Ion Ratio Lower Upper

146 100

111 29.7 20.4 61.3

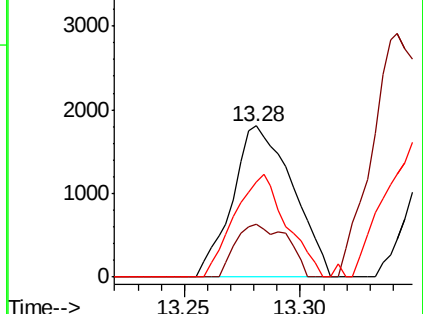
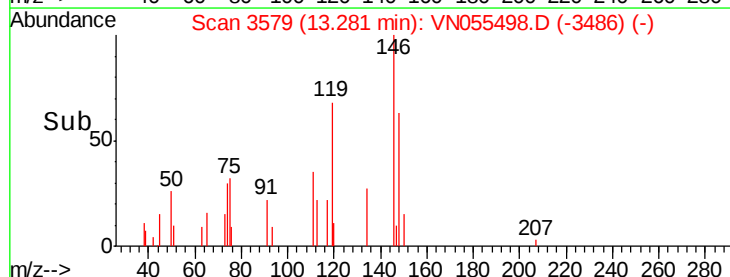
148 58.9 32.1 96.5

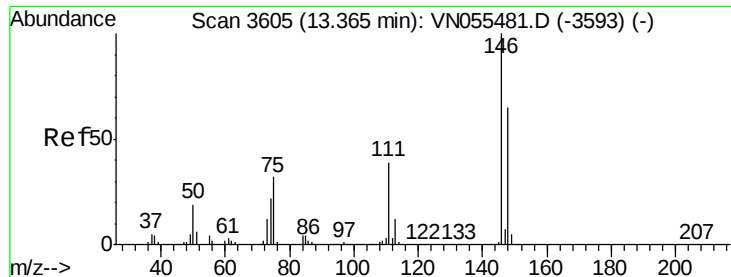


Abundance Ion 145.90 (145.60 to 146.60): VN055498.D (-3486) (-)

Ion 110.90 (110.60 to 111.60): VN055498.D (-3486) (-)

Ion 147.90 (147.60 to 148.60): VN055498.D (-3486) (-)





#88

1,4-Dichlorobenzene

Concen: 0.269 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.08 min

Lab File: VN055498.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

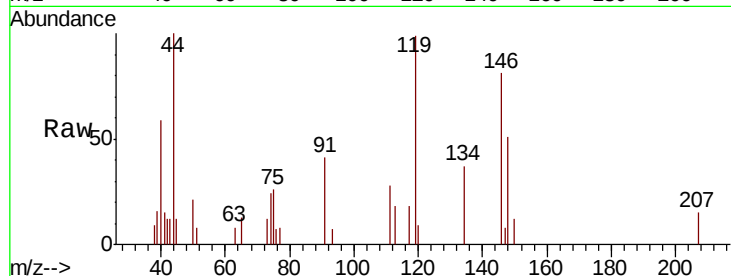
Tot Ion:146 Resp: 3261

Ion Ratio Lower Upper

146 100

111 29.7 19.6 58.8

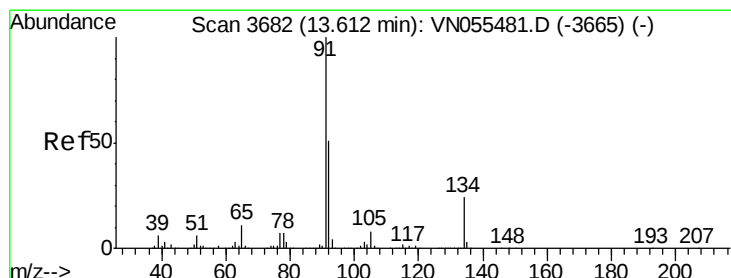
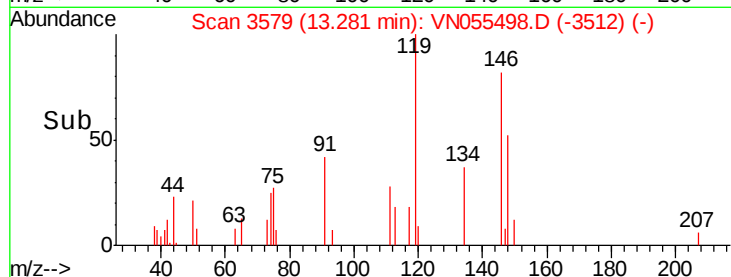
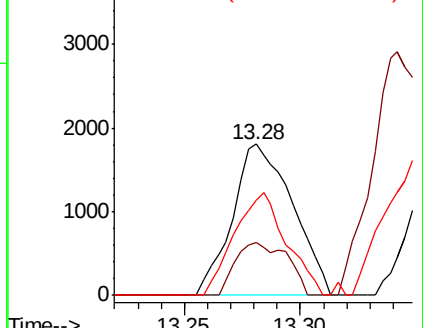
148 58.9 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.393 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055498.D

Acq: 9 May 2019 15:39

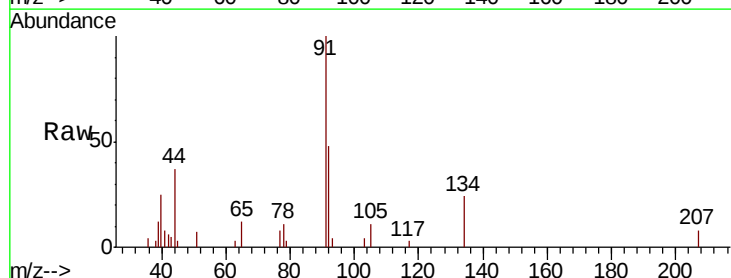
Tgt Ion: 91 Resp: 8141

Ion Ratio Lower Upper

91 100

92 53.9 25.9 77.7

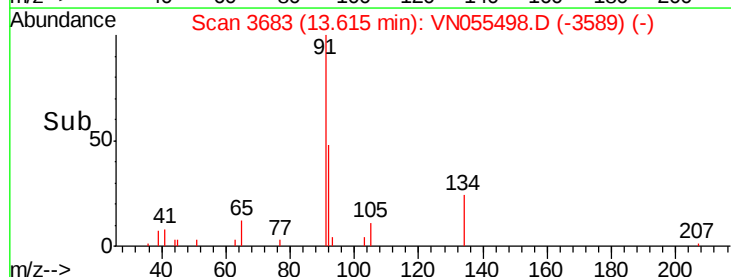
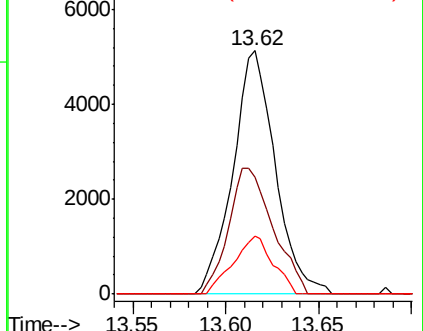
134 22.2 11.8 35.4

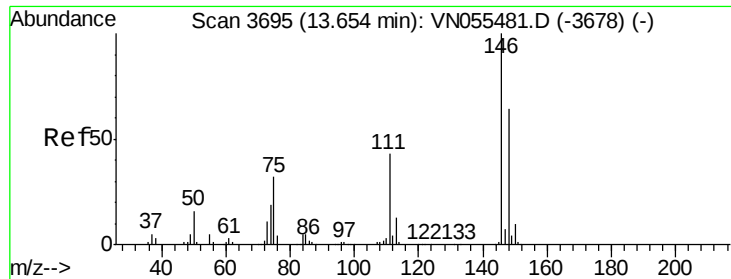


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: 0.269 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.01 min

Lab File: VN055498.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

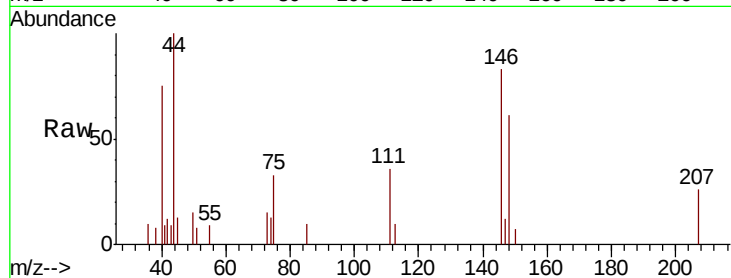
Tot Ion:146 Resp: 3299

Ion Ratio Lower Upper

146 100

111 41.5 21.3 63.7

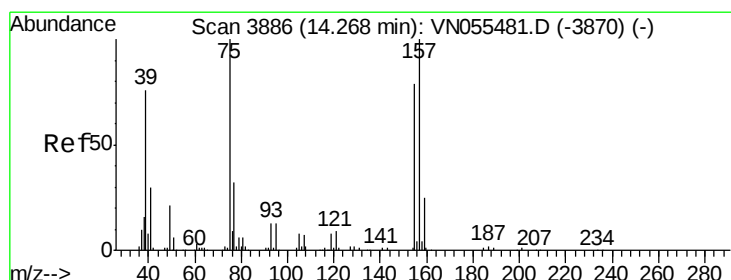
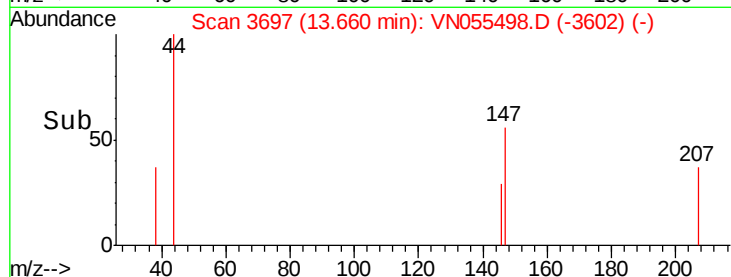
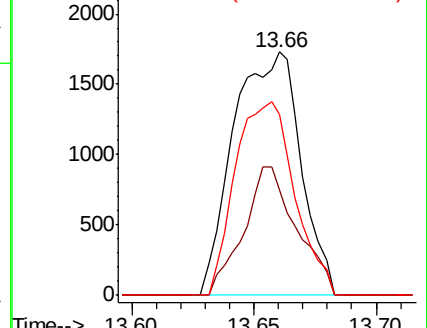
148 70.4 31.9 95.9



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: 0.421 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN055498.D

Acq: 9 May 2019 15:39

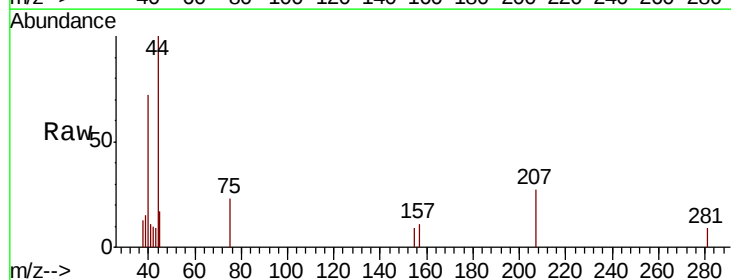
Tgt Ion: 75 Resp: 698

Ion Ratio Lower Upper

75 100

155 20.2 39.3 117.8#

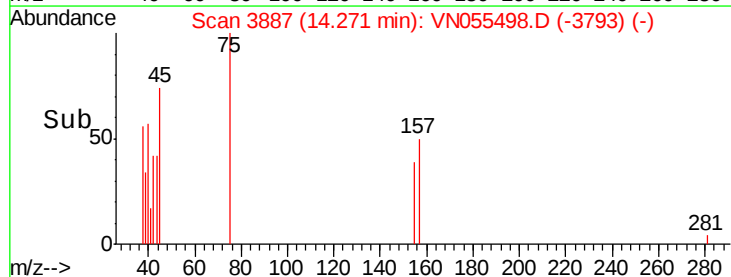
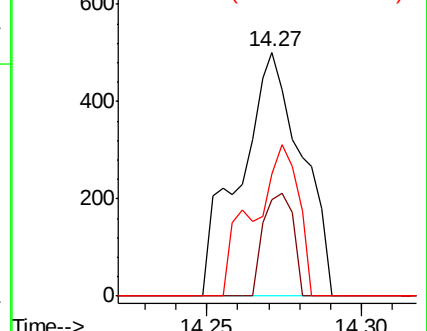
157 45.6 50.6 151.8#

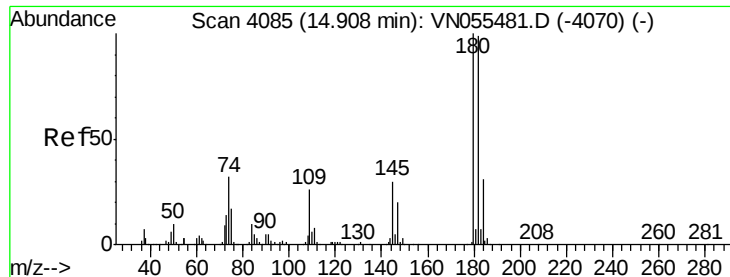


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

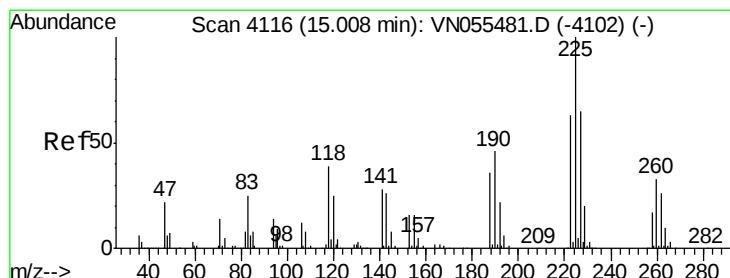
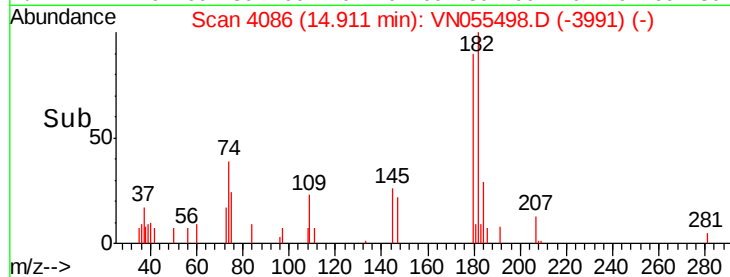
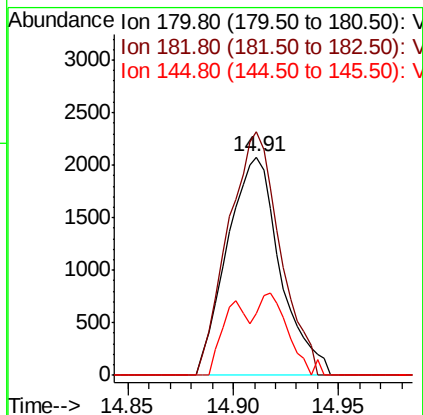
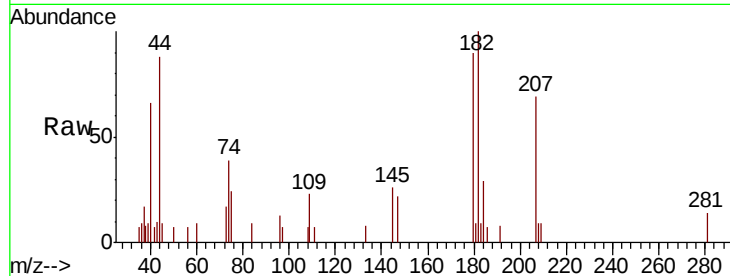




#93
 1,2,4-Trichlorobenzene
 Concen: 3.839 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055498.D
 Acq: 9 May 2019 15:39

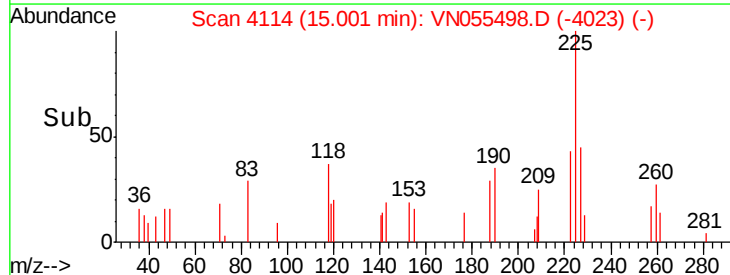
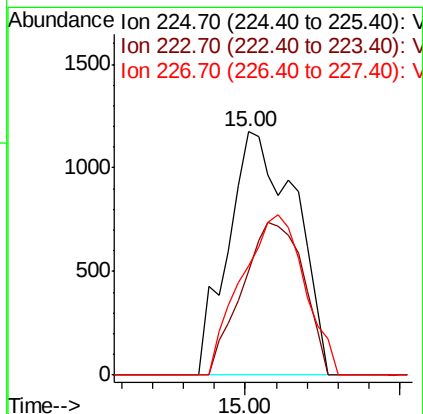
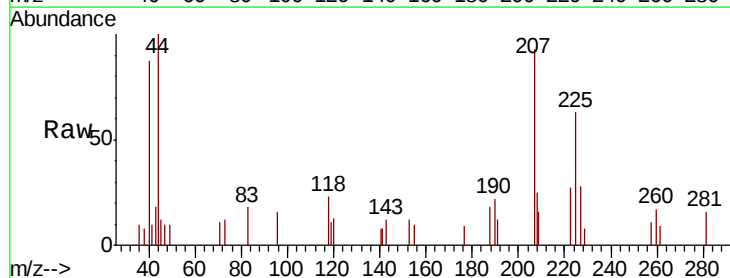
Instrument :
 MSVOA_N
 ClientSampled :

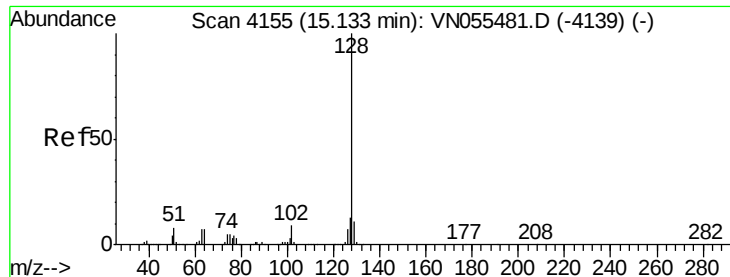
Tot Ion:180 Resp: 3620
 Ion Ratio Lower Upper
 180 100
 182 109.0 48.7 146.1
 145 22.5 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4114
 Delta R.T. -0.01 min
 Lab File: VN055498.D
 Acq: 9 May 2019 15:39

Tgt Ion:225 Resp: 1783
 Ion Ratio Lower Upper
 225 100
 223 57.0 31.4 94.3
 227 61.9 32.0 96.0





#95

Naphthalene

Concen: 4.044 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN055498.D

Acq: 9 May 2019 15:39

Instrument :

MSVOA_N

ClientSampled :

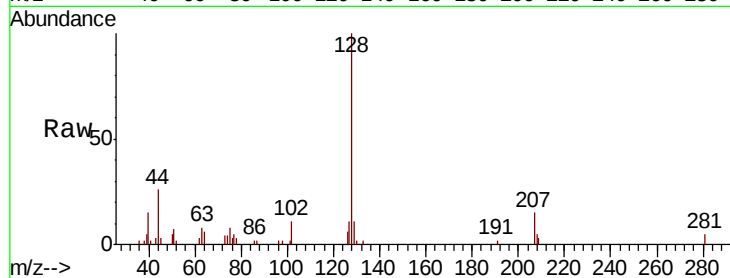
Tot Ion:128 Resp: 17703

Ion Ratio Lower Upper

128 100

127 11.7 10.0 15.0

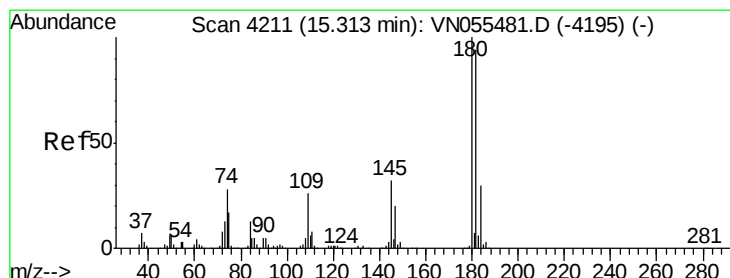
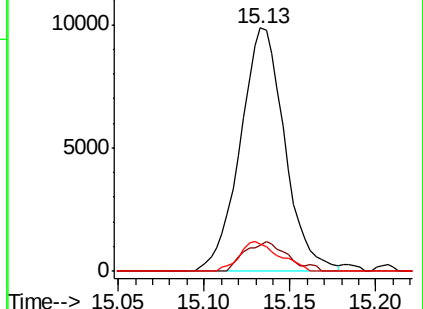
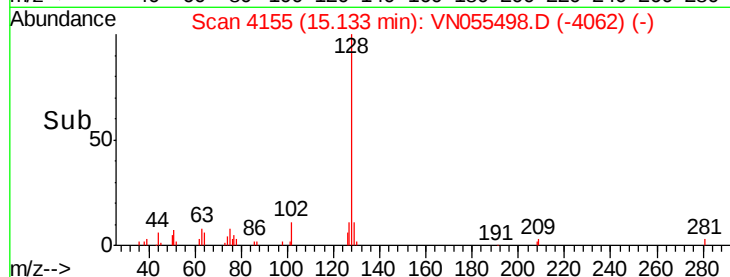
129 11.0 8.8 13.2



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: 3.260 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055498.D

Acq: 9 May 2019 15:39

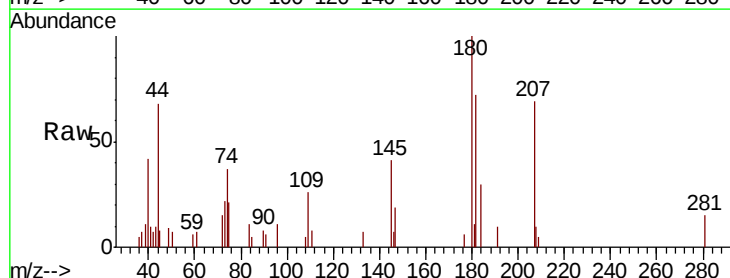
Tgt Ion:180 Resp: 5093

Ion Ratio Lower Upper

180 100

182 84.6 47.1 141.3

145 35.4 15.8 47.4



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

