

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056122.D
 Acq On : 8 Jun 2019 1:11
 Operator : JC/SP
 Sample : K3223-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 08 05:16:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	332916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	499832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	477980	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162759	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	170084	51.45	ug/l	0.00
Spiked Amount						
			Recovery	=	102.90%	
35) Dibromofluoromethane	7.59	113	154137	50.26	ug/l	0.00
Spiked Amount						
			Recovery	=	100.52%	
50) Toluene-d8	10.09	98	627717	53.19	ug/l	0.00
Spiked Amount						
			Recovery	=	106.38%	
62) 4-Bromofluorobenzene	12.40	95	206231	51.39	ug/l	0.00
Spiked Amount						
			Recovery	=	102.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.18	62	22809	6.301	ug/l	93
11) Tert butyl alcohol	5.03	59	53460	92.935	ug/l #	74
12) 1,1-Dichloroethene	3.72	96	9482	3.393	ug/l	95
15) Acrylonitrile	5.05	53	3050	2.178	ug/l #	24
16) Acetone	3.81	43	504	0.319	ug/l #	41
18) Methyl Acetate	4.34	43	2476	0.222	ug/l #	56
19) Methyl tert-butyl Ether	5.05	73	314849	35.343	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	1417441	473.350	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	748694	212.700	ug/l	89
28) Bromochloromethane	7.37	49	1274	0.512	ug/l #	7
30) Chloroform	7.37	83	20837	3.936	ug/l	97
31) Cyclohexane	7.66	56	4964	0.946	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19396	4.513	ug/l #	48
38) Carbon Tetrachloride	7.66	117	26834	6.772	ug/l #	14
39) Methylcyclohexane	8.84	83	129784	24.241	ug/l #	1
40) Benzene	8.04	78	10466	0.802	ug/l	99
42) 1,2-Dichloroethane	8.12	62	1004178	239.154	ug/l	99
43) Isopropyl Acetate	8.29	43	3181	0.513	ug/l #	53
44) Trichloroethene	8.84	130	11737581	3129.256	ug/l	96
45) 1,2-Dichloropropane	9.12	63	10042	3.003	ug/l	95
48) Methyl methacrylate	9.12	41	5482	1.808	ug/l #	35
51) 4-Methyl-2-Pentanone	9.99	43	1167	0.301	ug/l #	35
55) 1,1,2-Trichloroethane	10.56	97	23740	7.378	ug/l	98
59) 2-Hexanone	10.76	43	1305	0.465	ug/l	76
60) Dibromochloromethane	10.63	129	394	2.557	ug/l #	11
65) Chlorobenzene	11.44	112	2008	0.211	ug/l	90
71) Bromoform	12.40	173	1015	3.090	ug/l #	1
73) Isopropylbenzene	12.25	105	957	Below Cal	#	66
76) 1,2,3-Trichloropropane	12.40	75	93285	31.149	ug/l #	100
79) 2-Chlorotoluene	12.67	91	642	Below Cal		82
81) trans-1,4-Dichloro-2-buten	12.40	75	93285	103.731	ug/l #	15
83) tert-Butylbenzene	12.99	119	634	Below Cal	#	60
93) 1,2,4-Trichlorobenzene	14.91	180	1174	4.628	ug/l	96
94) Hexachlorobutadiene	15.01	225	373	Below Cal		81

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QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

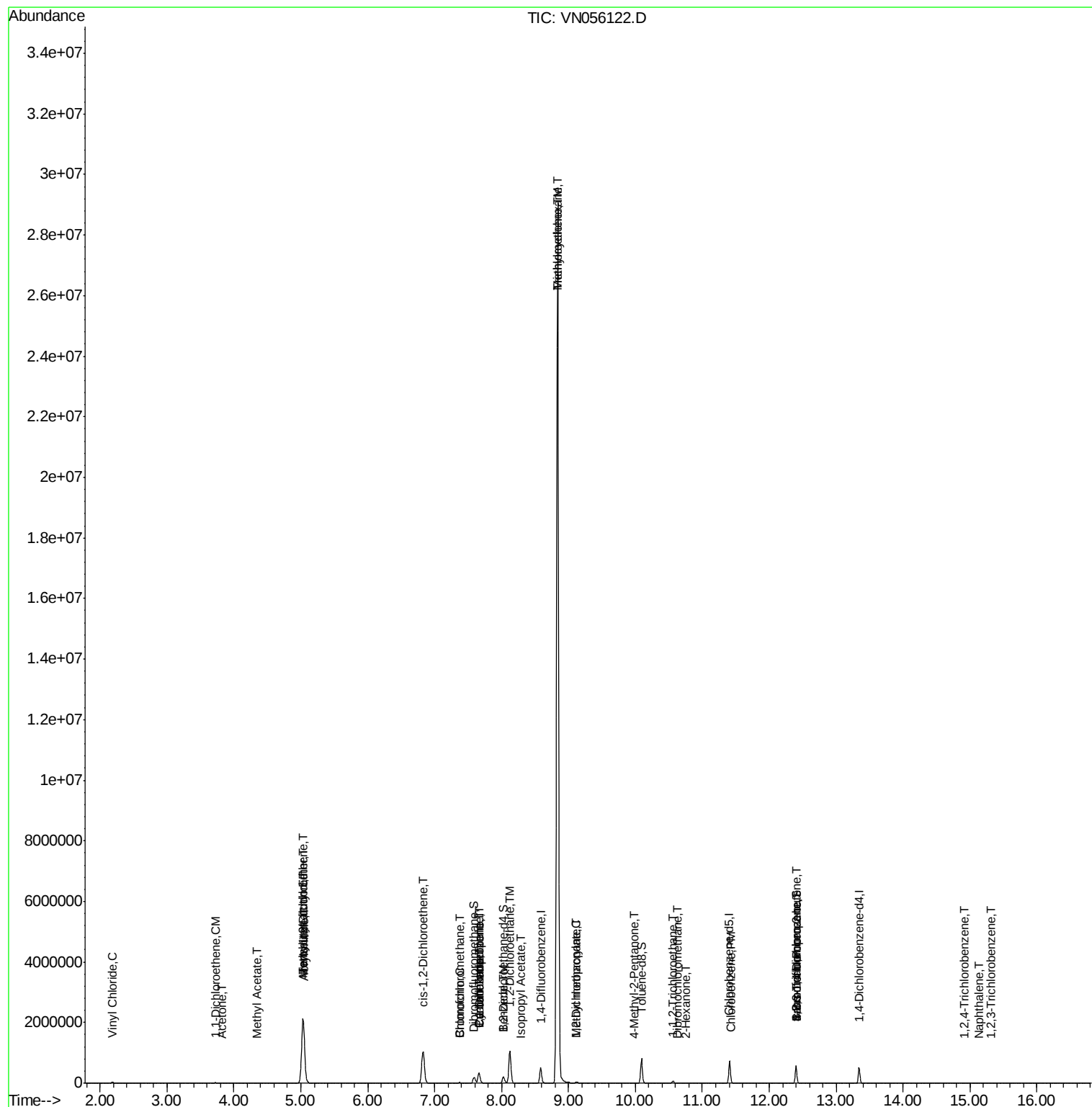
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	4562	4.392	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.31	180	1501	3.492	ug/l	90

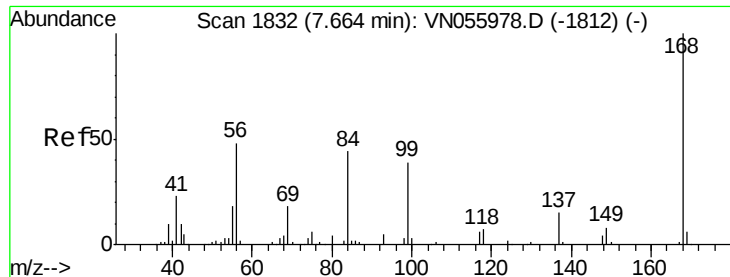
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060819\
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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: VN056122.D

Acq: 8 Jun 2019 1:11

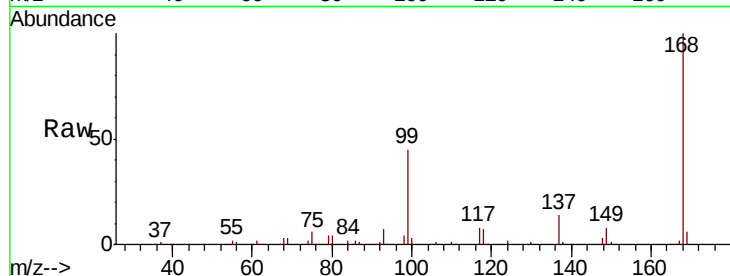
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 332916

Ion Ratio Lower Upper

168 100

99 45.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

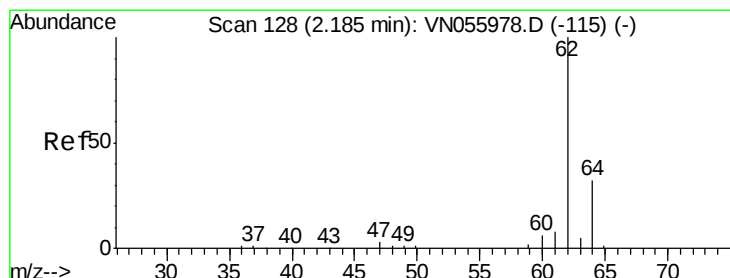
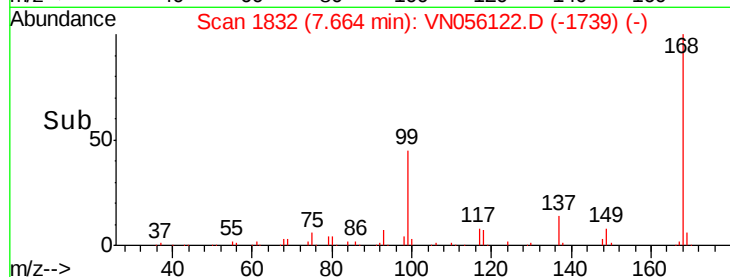
100000

50000

0

Time-->

7.60 7.70



#4

Vinyl Chloride

Concen: 6.301 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056122.D

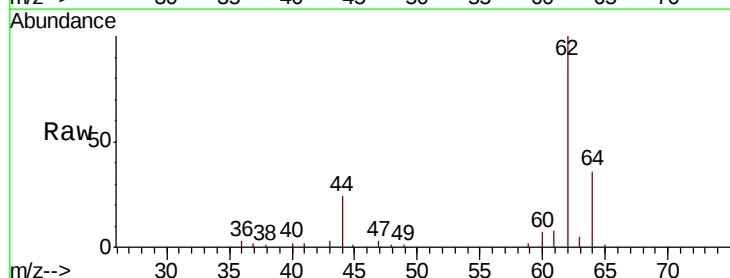
Acq: 8 Jun 2019 1:11

Tgt Ion: 62 Resp: 22809

Ion Ratio Lower Upper

62 100

64 35.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

15000

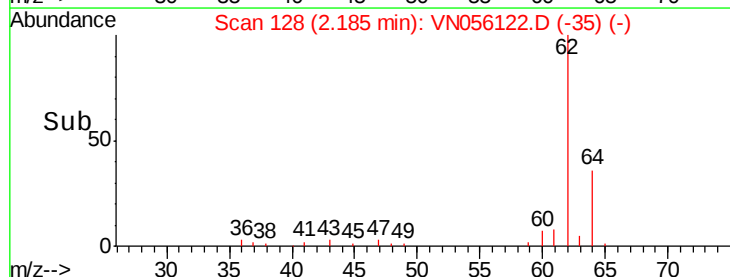
10000

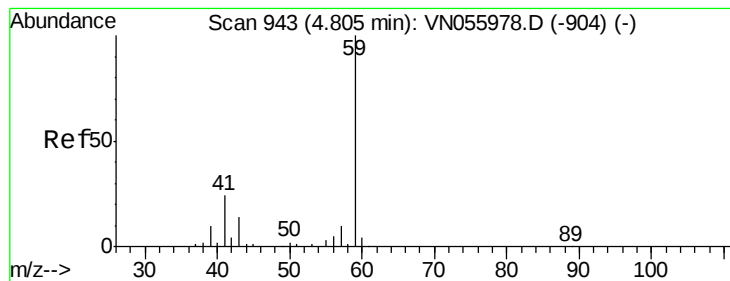
5000

0

Time-->

2.15 2.20 2.25



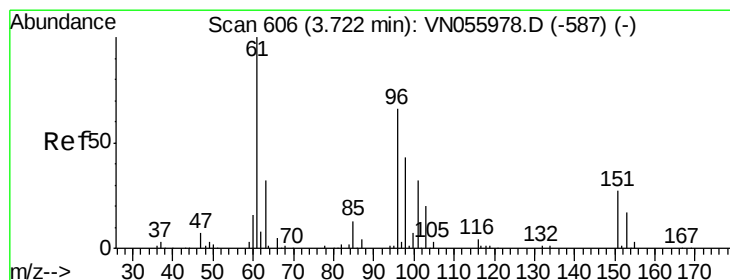
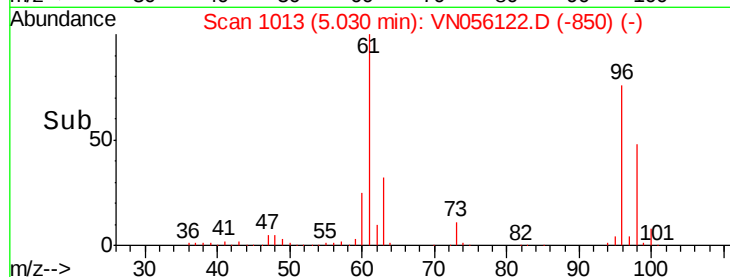
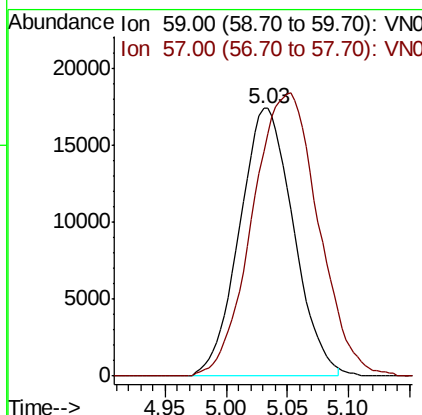
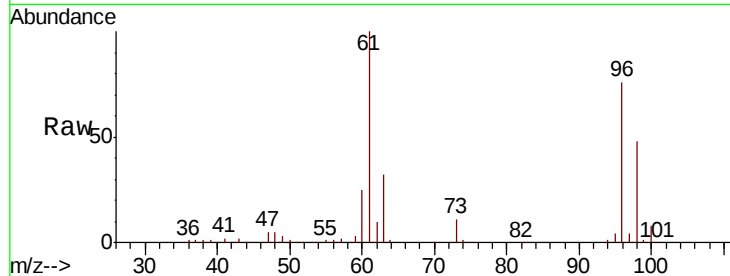


#11

Tert butyl alcohol
 Concen: 92.935 ug/l
 RT: 5.03 min Scan# 1013
 Delta R.T. 0.23 min
 Lab File: VN056122.D
 Acq: 8 Jun 2019 1:11

Instrument :
 MSVOA_N
 ClientSampled :

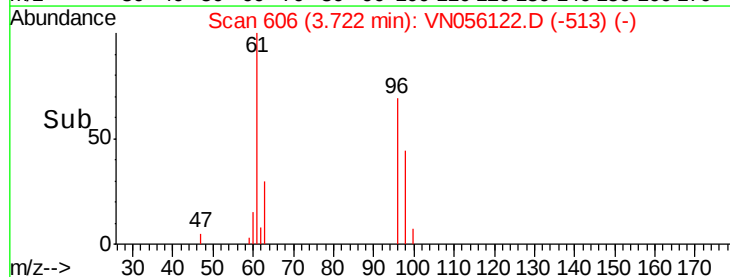
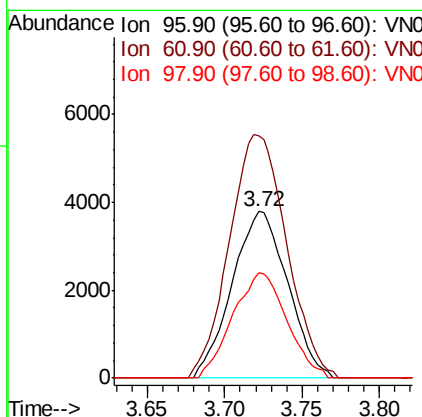
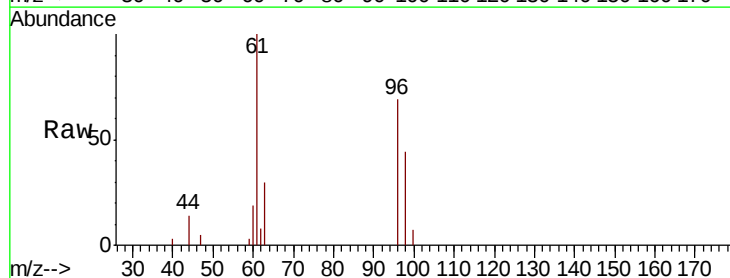
Tot Ion: 59 Resp: 53460
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

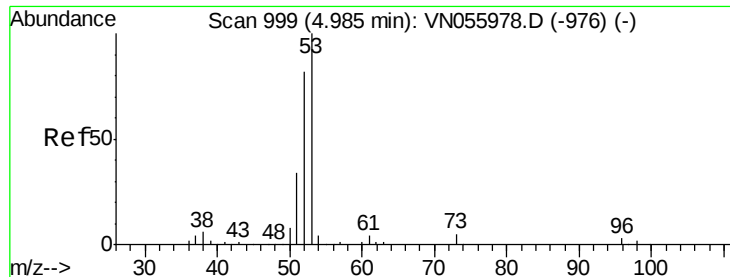


#12

1,1-Dichloroethene
 Concen: 3.393 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VN056122.D
 Acq: 8 Jun 2019 1:11

Tgt Ion: 96 Resp: 9482
 Ion Ratio Lower Upper
 96 100
 61 145.7 123.2 184.8
 98 63.4 50.4 75.6





#15

Acrylonitrile

Concen: 2.178 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.07 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

Instrument :

MSVOA_N

ClientSampled :

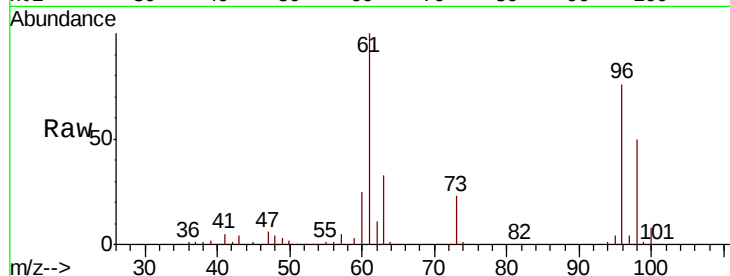
Tot Ion: 53 Resp: 3050

Ion Ratio Lower Upper

53 100

52 8.8 65.8 98.8#

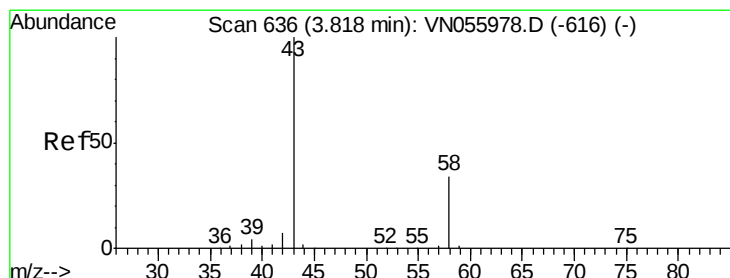
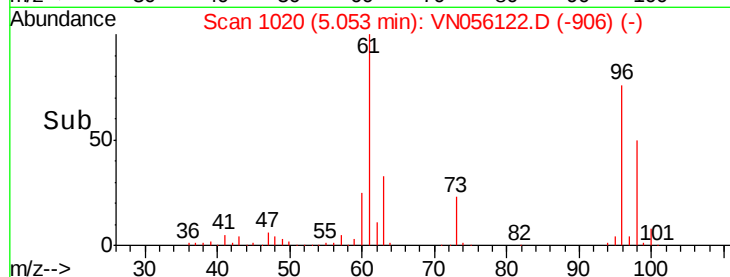
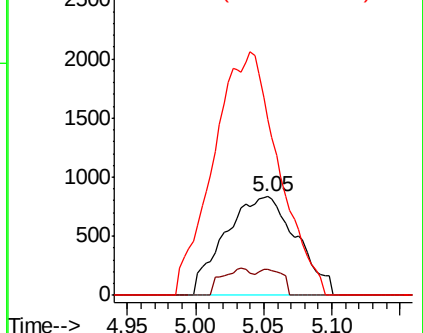
51 0.0 28.2 42.4#



Abundance Ion 53.00 (52.70 to 53.70): VN055978.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN055978.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN055978.D (-976) (-)



#16

Acetone

Concen: 0.319 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056122.D

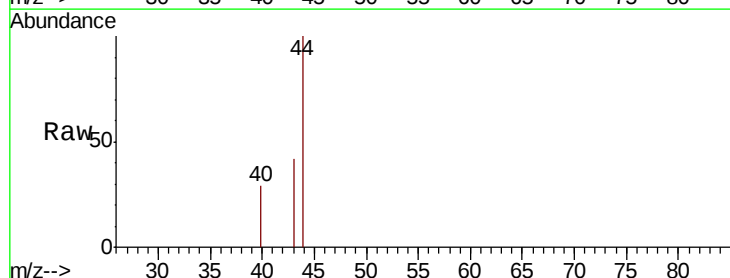
Acq: 8 Jun 2019 1:11

Tgt Ion: 43 Resp: 504

Ion Ratio Lower Upper

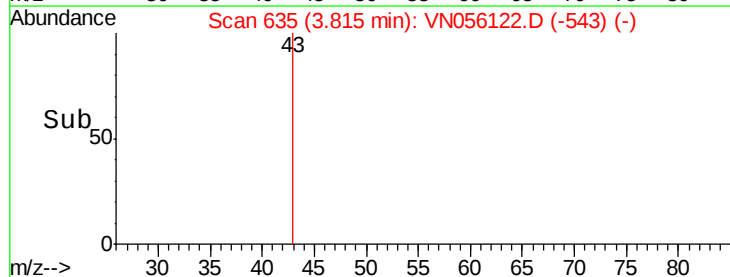
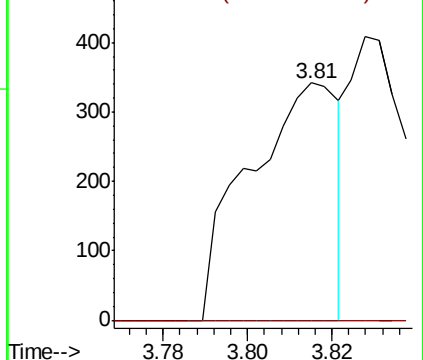
43 100

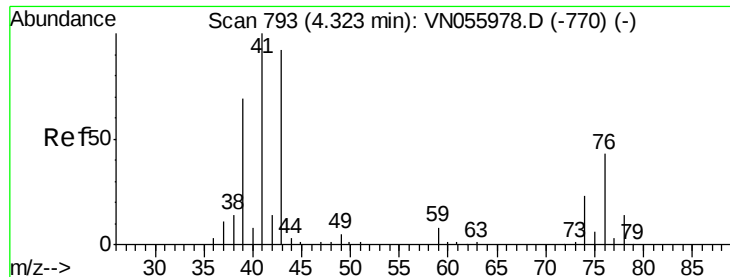
58 0.0 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-616) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-616) (-)

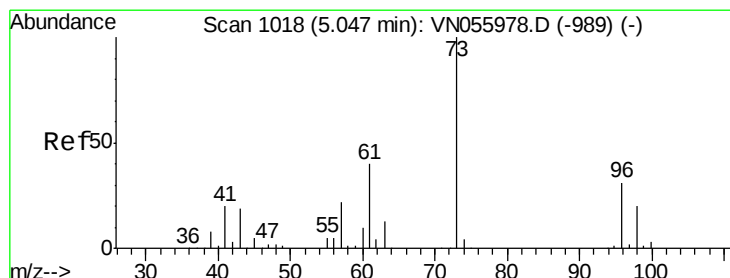
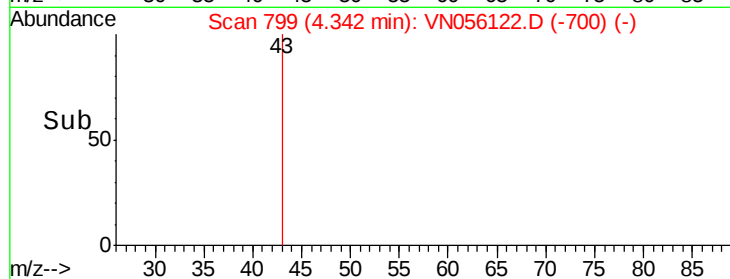
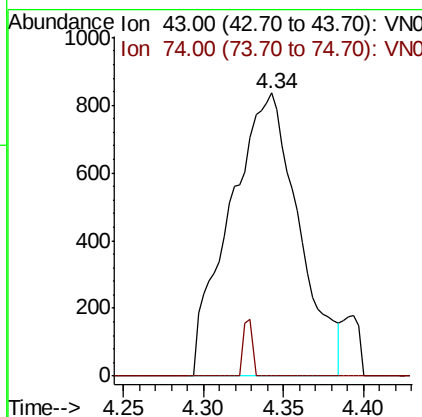
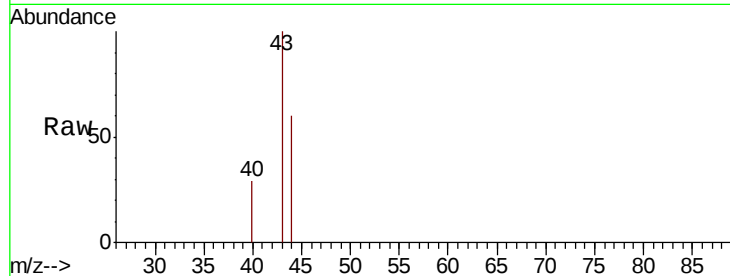




#18
Methyl Acetate
Concen: 0.222 ug/l
RT: 4.34 min Scan# 799
Delta R.T. 0.02 min
Lab File: VN056122.D
Acq: 8 Jun 2019 1:11

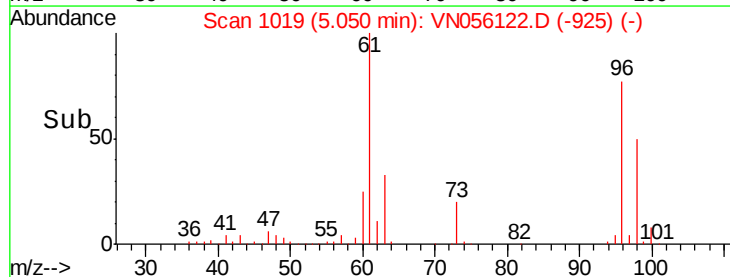
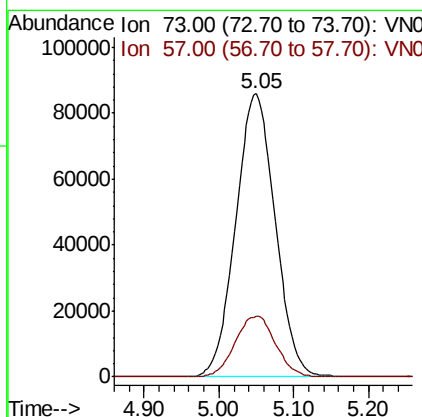
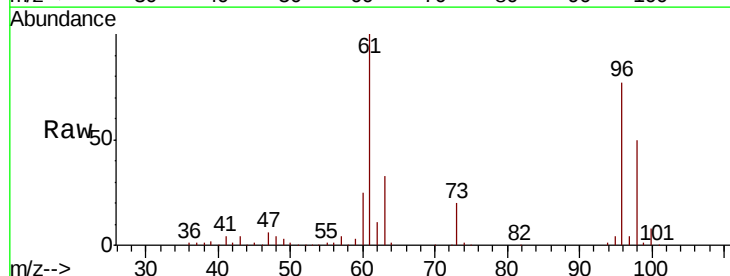
Instrument :
MSVOA_N
ClientSampled :

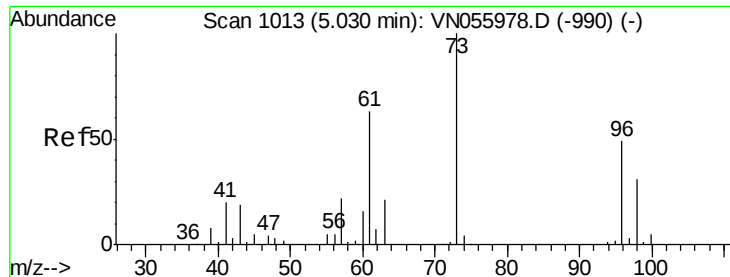
Tot Ion: 43 Resp: 2476
Ion Ratio Lower Upper
43 100
74 2.5 19.3 28.9#



#19
Methyl tert-butyl Ether
Concen: 35.343 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056122.D
Acq: 8 Jun 2019 1:11

Tgt Ion: 73 Resp: 314849
Ion Ratio Lower Upper
73 100
57 21.4 17.8 26.8

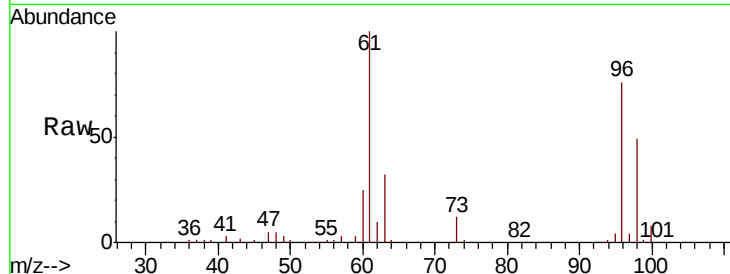




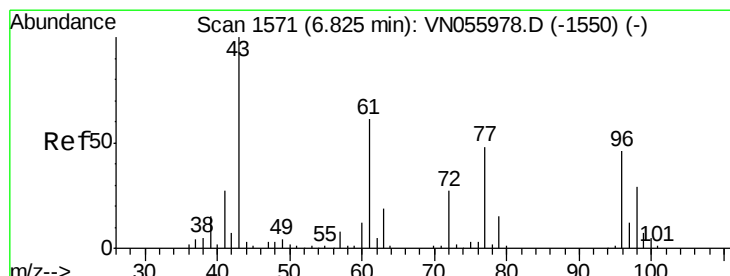
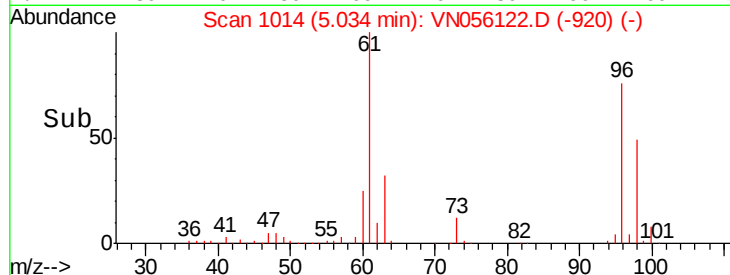
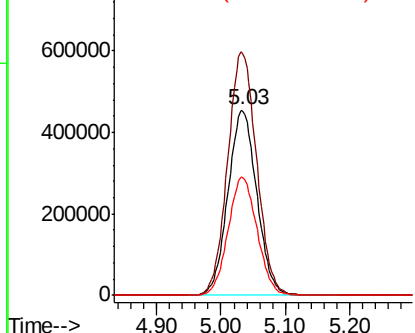
#21
trans-1,2-Dichloroethene
Concen: 473.350 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056122.D
Acq: 8 Jun 2019 1:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 1417441
Ion Ratio Lower Upper
96 100
61 131.0 107.8 161.8
98 64.1 49.8 74.8

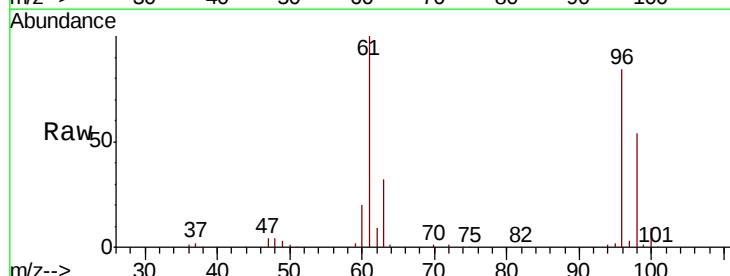


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

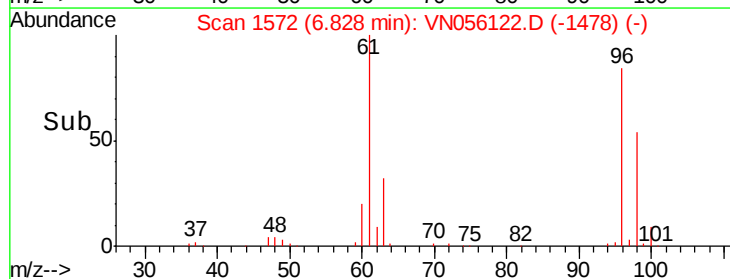
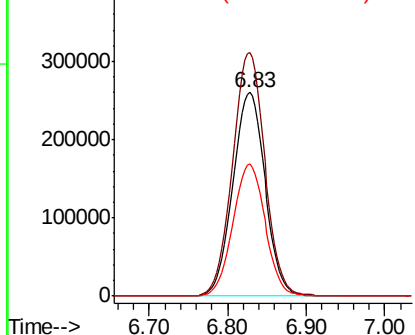


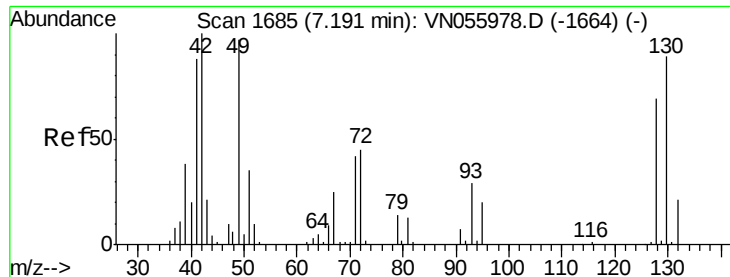
#27
cis-1,2-Dichloroethene
Concen: 212.700 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN056122.D
Acq: 8 Jun 2019 1:11

Tgt Ion: 96 Resp: 748694
Ion Ratio Lower Upper
96 100
61 119.6 0.0 275.8
98 65.0 0.0 128.4



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: 0.512 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.18 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

Instrument :
MSVOA_N
ClientSampleId :

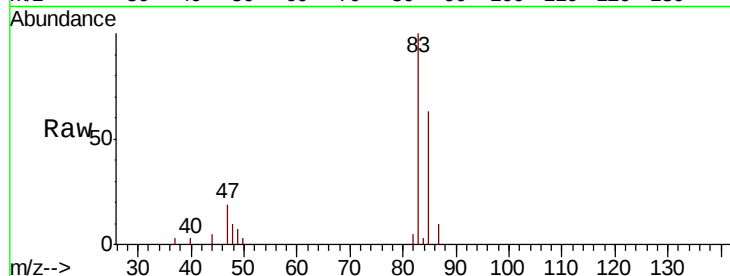
Tot Ion: 49 Resp: 1274

Ion Ratio Lower Upper

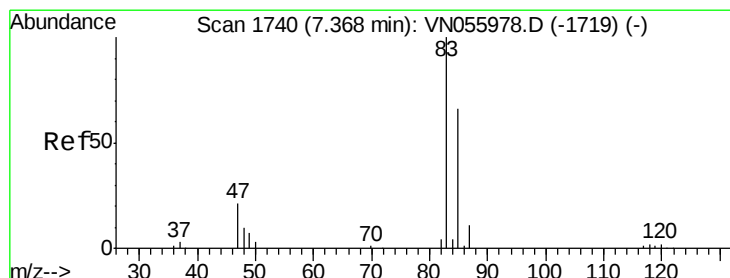
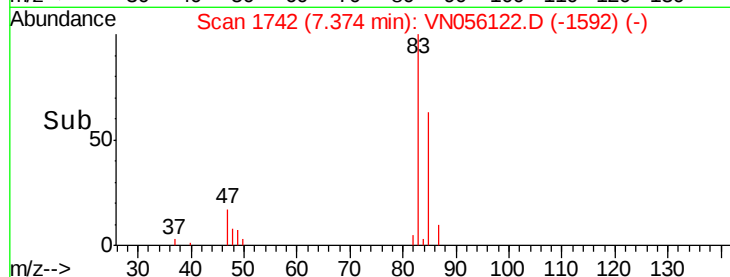
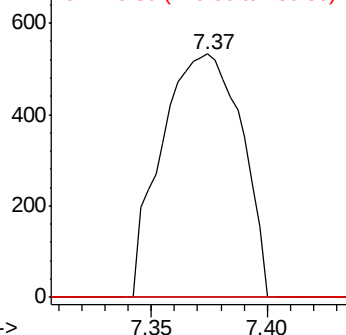
49 100

129 0.0 0.0 4.4

130 0.0 71.2 106.8#



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



#30

Chloroform

Concen: 3.936 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN056122.D

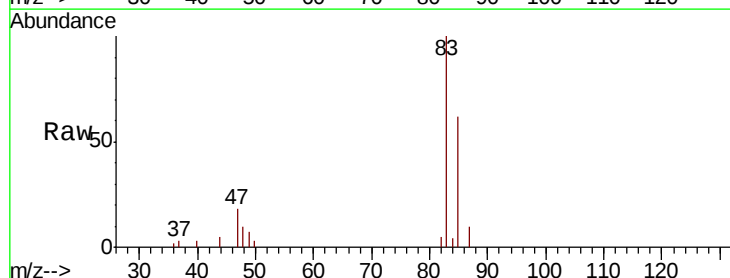
Acq: 8 Jun 2019 1:11

Tgt Ion: 83 Resp: 20837

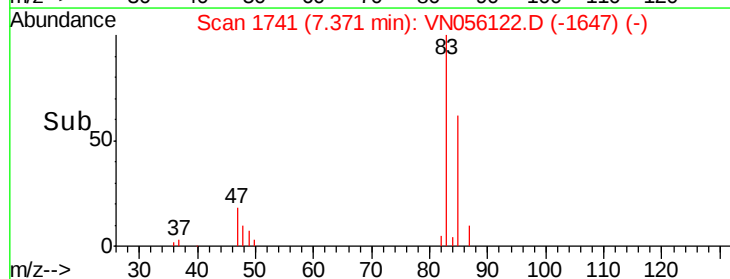
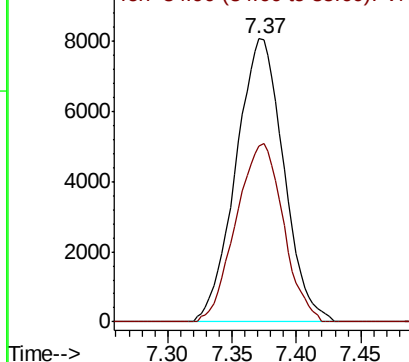
Ion Ratio Lower Upper

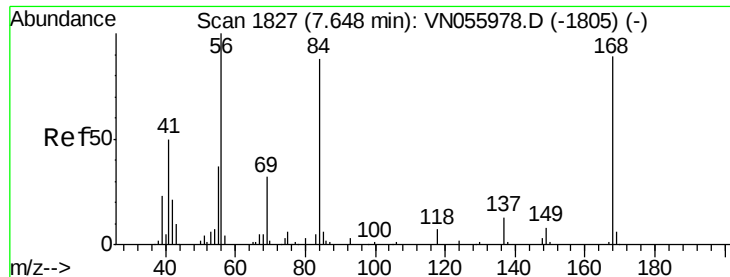
83 100

85 62.2 51.8 77.8



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

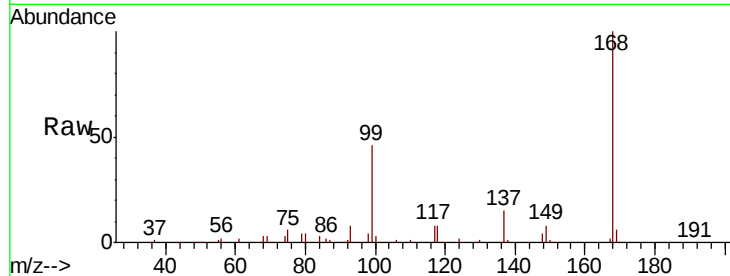




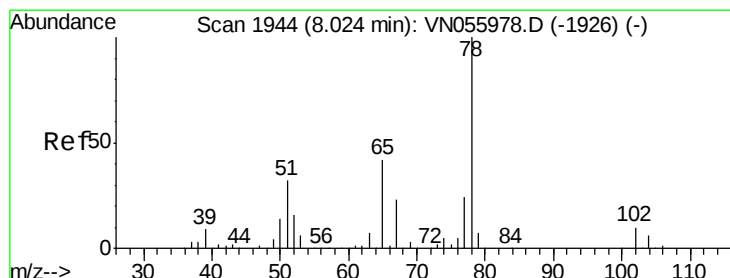
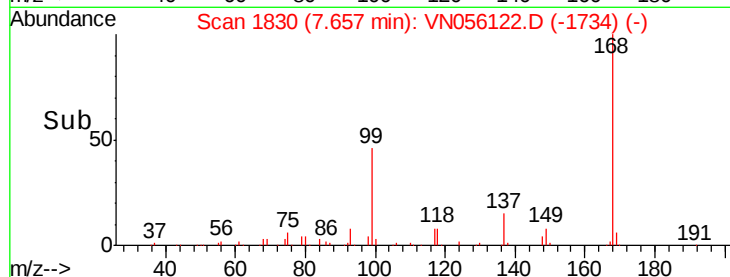
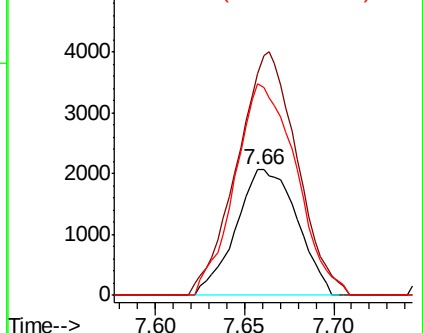
#31
Cyclohexane
Concen: 0.946 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN056122.D
Acq: 8 Jun 2019 1:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 4964
Ion Ratio Lower Upper
56 100
69 176.9 25.6 38.4#
84 168.8 67.4 101.0#

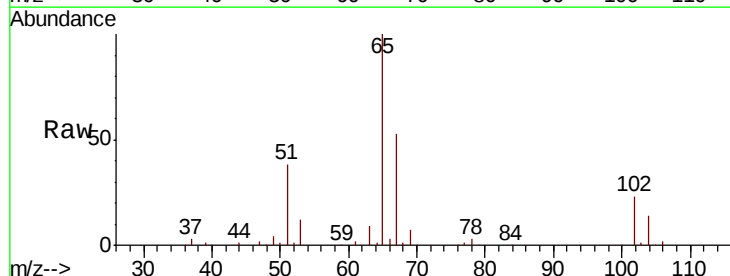


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

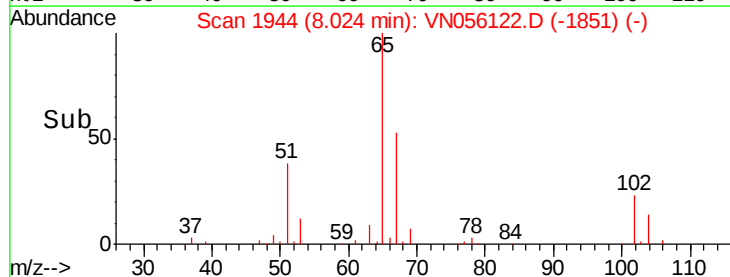
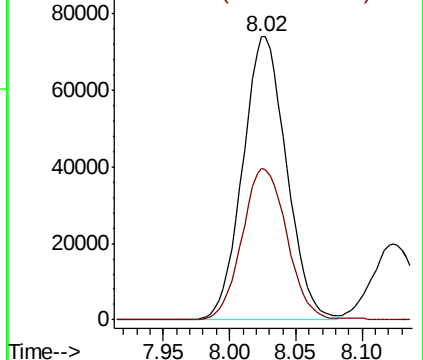


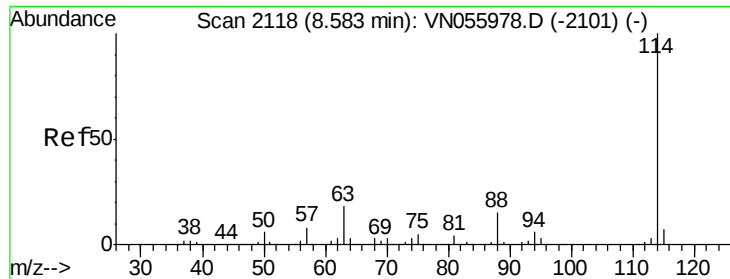
#33
1,2-Dichloroethane-d4
Concen: 51.454 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN056122.D
Acq: 8 Jun 2019 1:11

Tgt Ion: 65 Resp: 170084
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

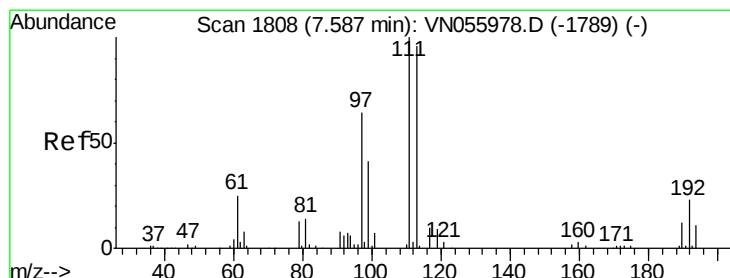
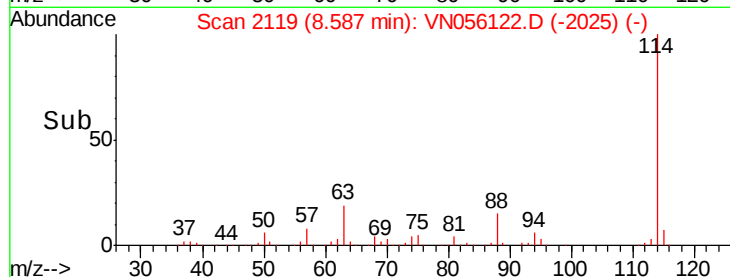
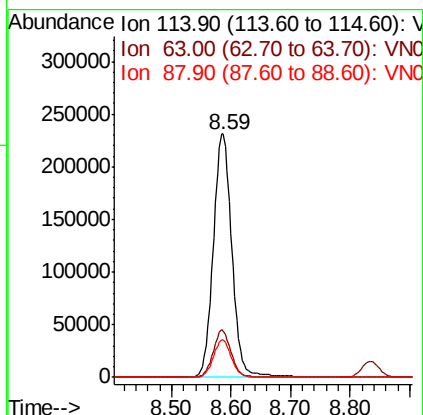
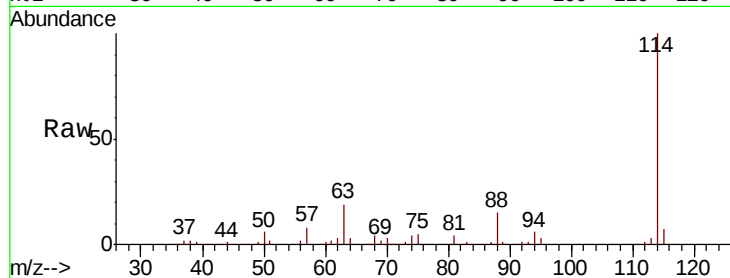




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN056122.D
Acq: 8 Jun 2019 1:11

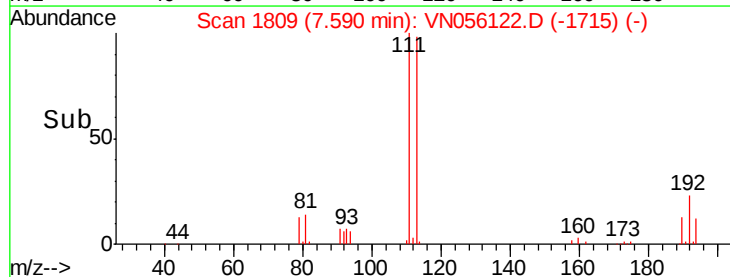
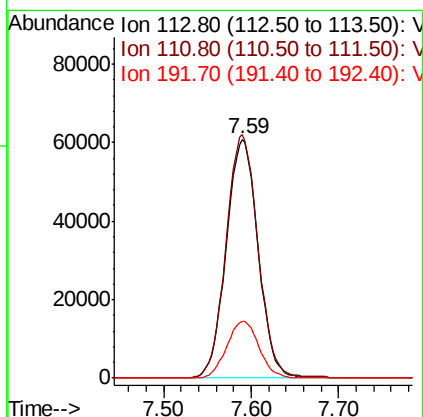
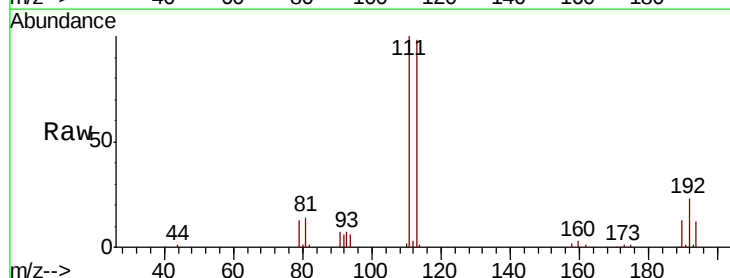
Instrument :
MSVOA_N
ClientSampleId :

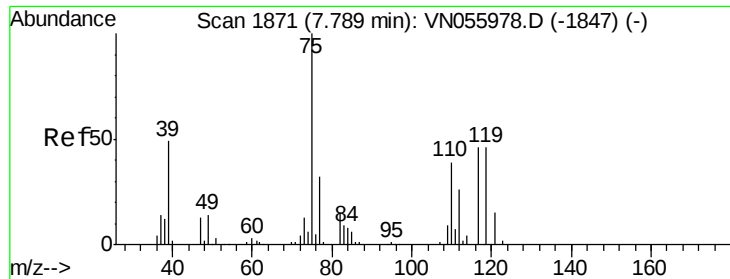
Tot Ion:114 Resp: 499832
Ion Ratio Lower Upper
114 100
63 19.3 0.0 39.2
88 15.5 0.0 31.0



#35
Dibromofluoromethane
Concen: 50.263 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056122.D
Acq: 8 Jun 2019 1:11

Tgt Ion:113 Resp: 154137
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 24.0 19.5 29.3





#36

1,1-Dichloropropene

Concen: 4.513 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

Instrument :

MSVOA_N

ClientSampled :

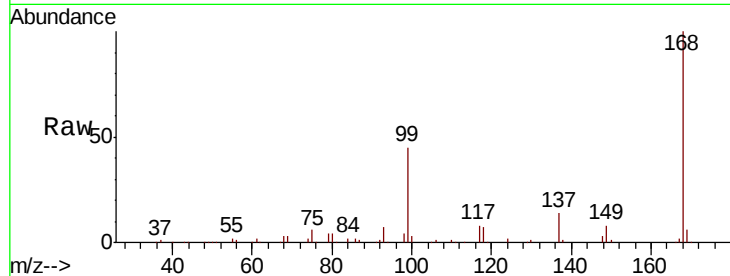
Tot Ion: 75 Resp: 19396

Ion Ratio Lower Upper

75 100

110 9.2 19.0 57.0#

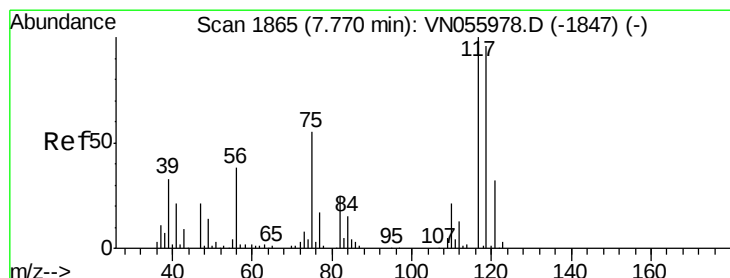
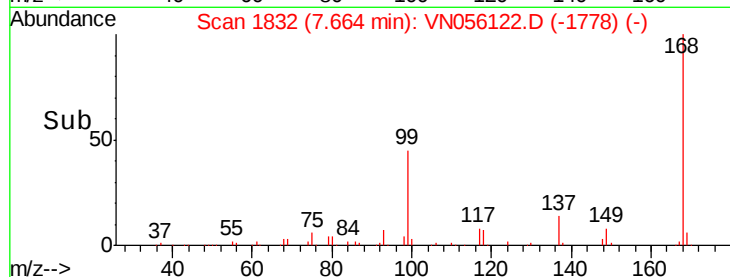
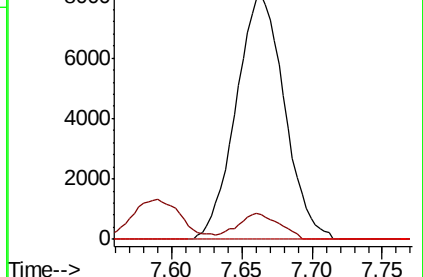
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-1847) (-)

Ion 109.90 (109.60 to 110.60): VN055978.D (-1847) (-)

Ion 76.90 (76.60 to 77.60): VN055978.D (-1847) (-)



#38

Carbon Tetrachloride

Concen: 6.772 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

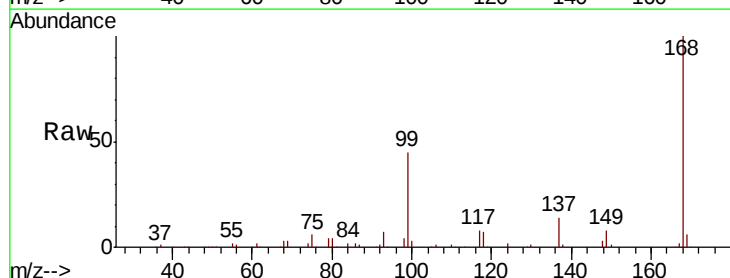
Tgt Ion: 117 Resp: 26834

Ion Ratio Lower Upper

117 100

119 4.6 79.0 118.6#

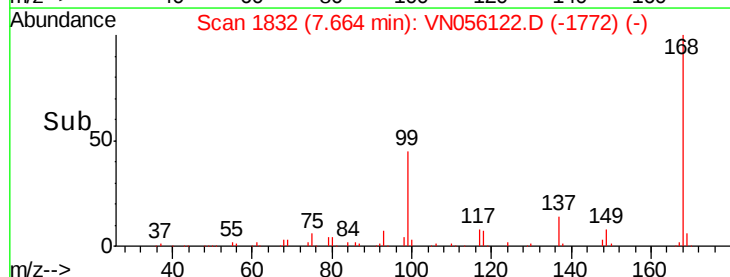
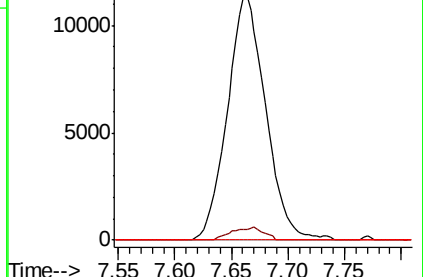
121 0.0 24.7 37.1#

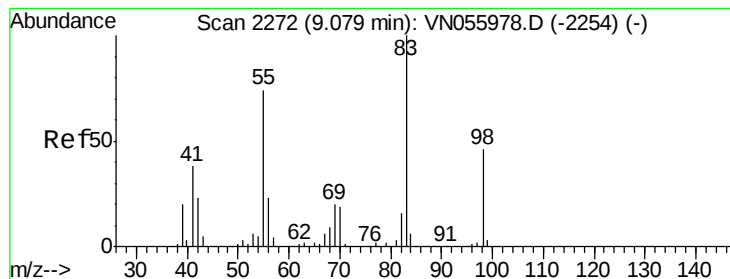


Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN055978.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055978.D (-1847) (-)





#39

Methvlcvclohexane

Concen: 24.241 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.24 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

Instrument :

MSVOA_N

ClientSampled :

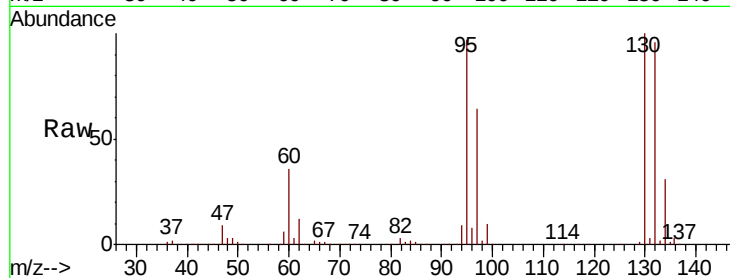
Tot Ion: 83 Resp: 129784

Ion Ratio Lower Upper

83 100

55 0.0 59.3 88.9#

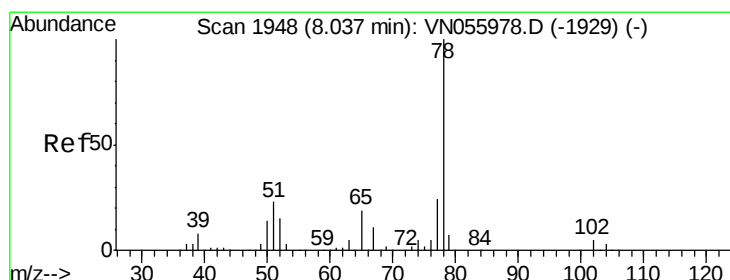
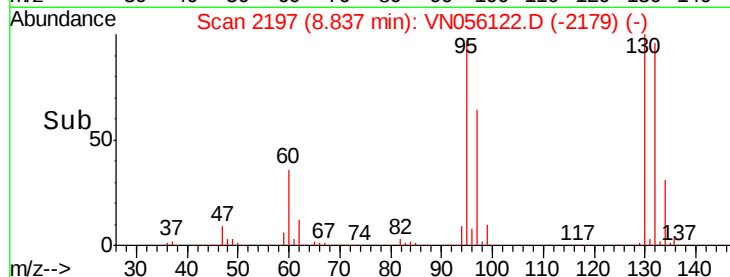
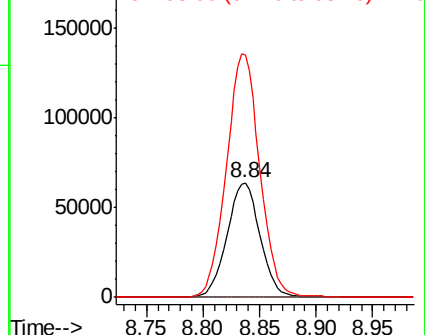
98 211.4 36.6 54.8#



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 0.802 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN056122.D

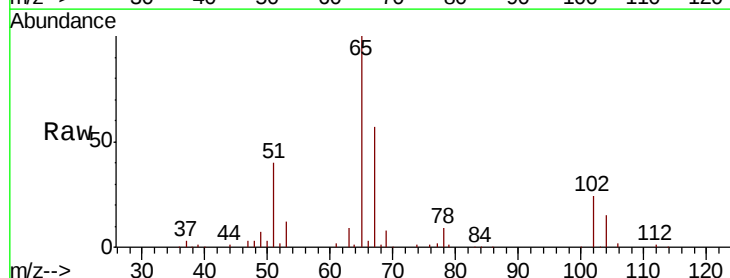
Acq: 8 Jun 2019 1:11

Tgt Ion: 78 Resp: 10466

Ion Ratio Lower Upper

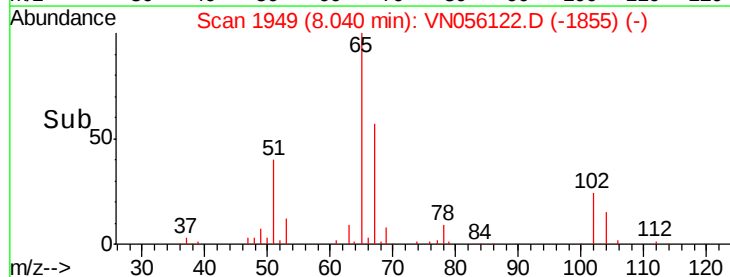
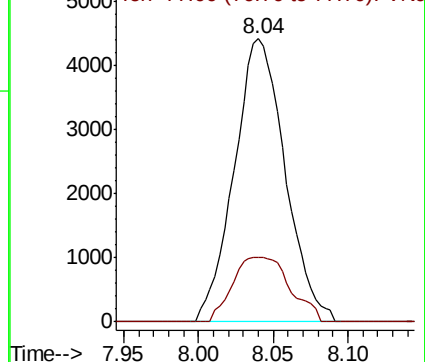
78 100

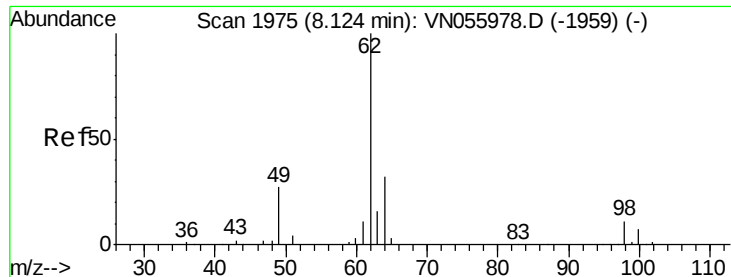
77 22.9 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

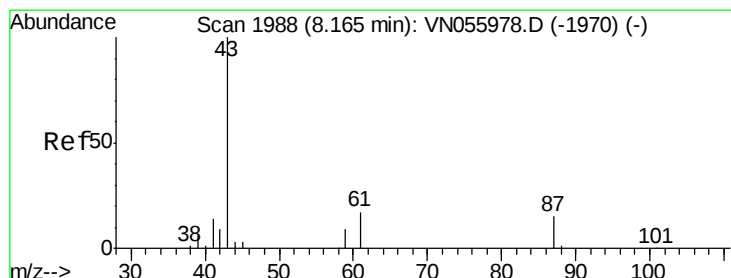
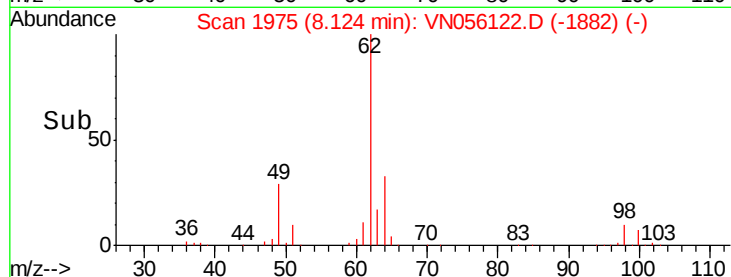
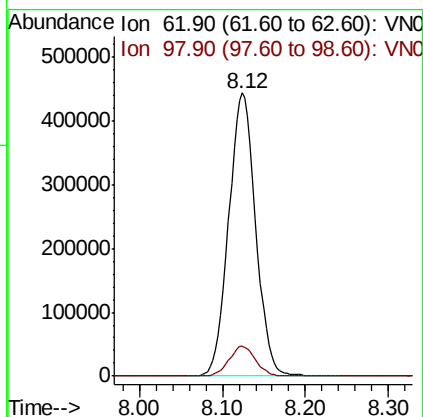
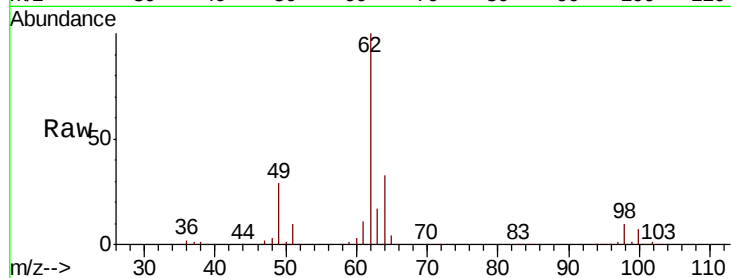




#42
 1,2-Dichloroethane
 Concen: 239.154 ug/l
 RT: 8.12 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VN056122.D
 Acq: 8 Jun 2019 1:11

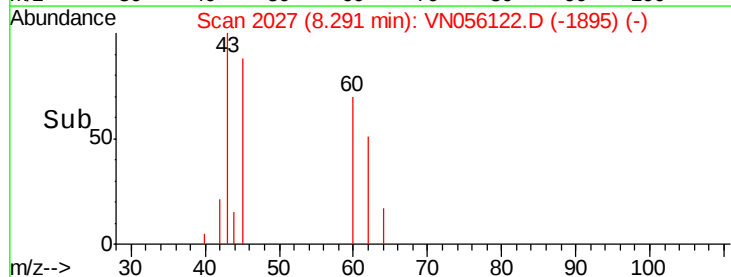
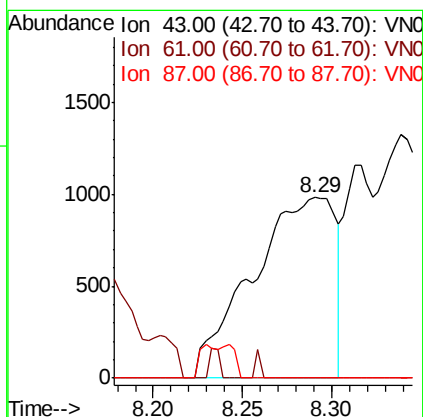
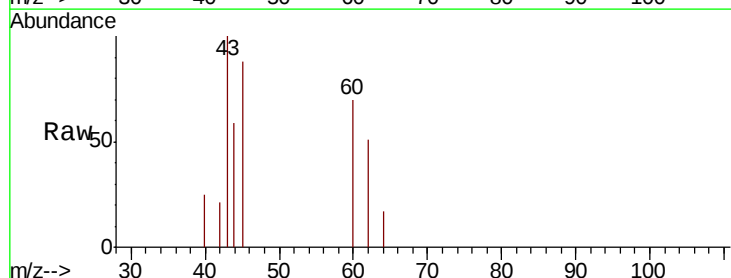
Instrument :
 MSVOA_N
 ClientSampled :

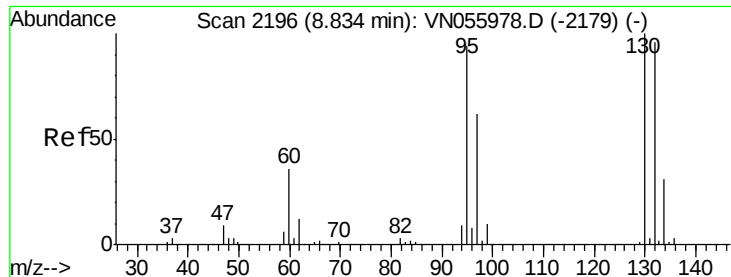
Tot Ion: 62 Resp: 1004178
 Ion Ratio Lower Upper
 62 100
 98 10.5 0.0 20.2



#43
 Isopropyl Acetate
 Concen: 0.513 ug/l
 RT: 8.29 min Scan# 2027
 Delta R.T. 0.13 min
 Lab File: VN056122.D
 Acq: 8 Jun 2019 1:11

Tgt Ion: 43 Resp: 3181
 Ion Ratio Lower Upper
 43 100
 61 0.0 22.2 33.4#
 87 0.0 11.4 17.2#





#44

Trichloroethene

Concen: 3129.256 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

Instrument :

MSVOA_N

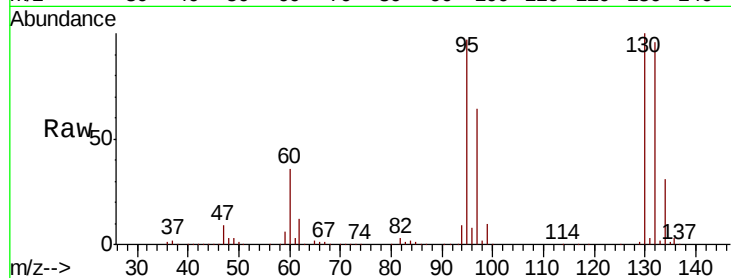
ClientSampleId :

Tot Ion:130 Resp:11737581

Ion Ratio Lower Upper

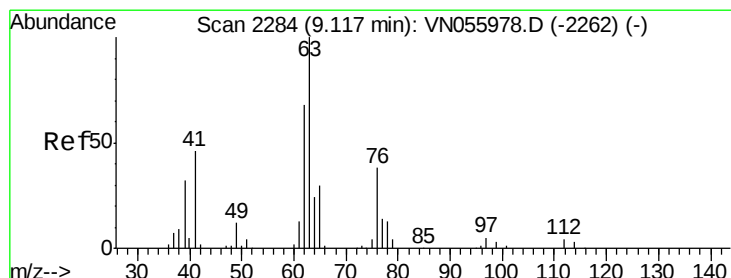
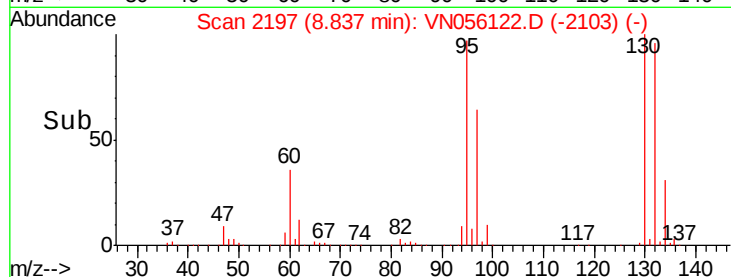
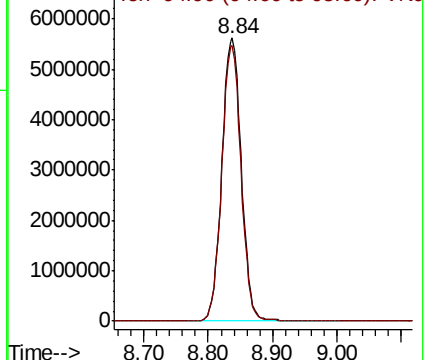
130 100

95 97.4 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#45

1,2-Dichloropropane

Concen: 3.003 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056122.D

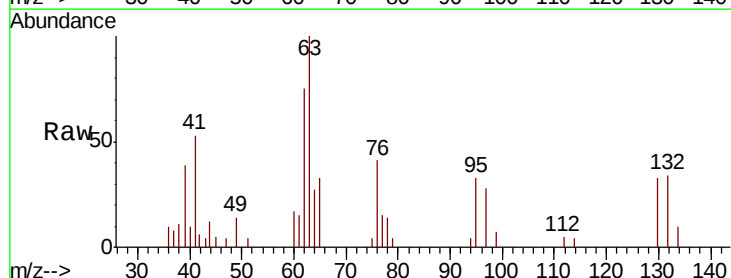
Acq: 8 Jun 2019 1:11

Tgt Ion: 63 Resp: 10042

Ion Ratio Lower Upper

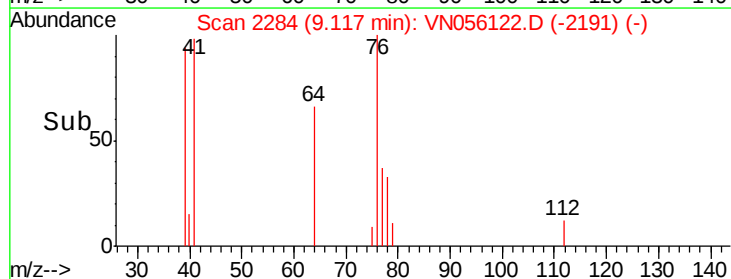
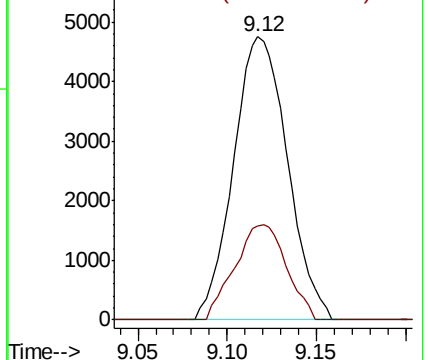
63 100

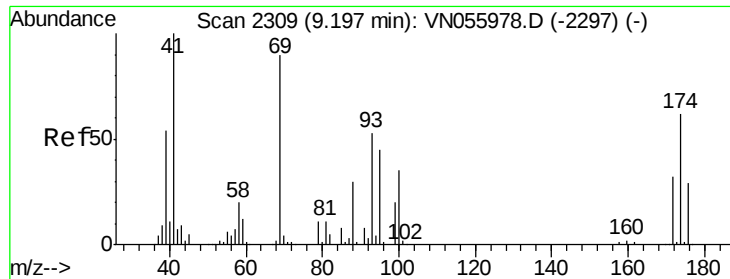
65 33.2 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

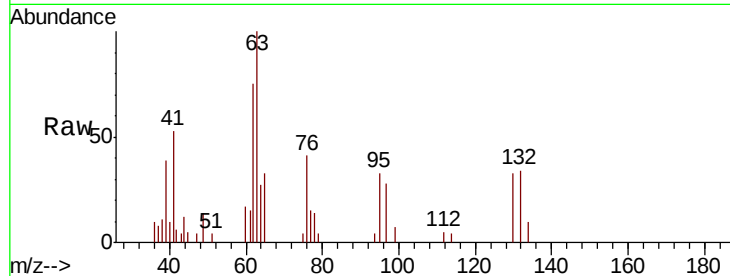




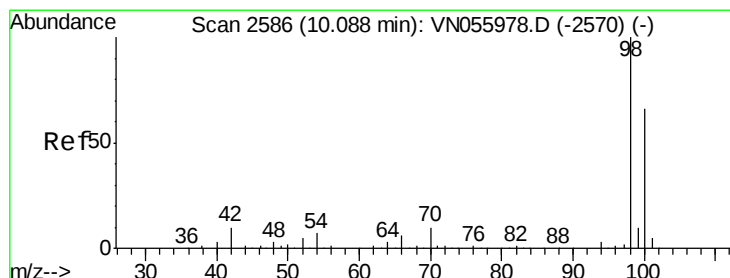
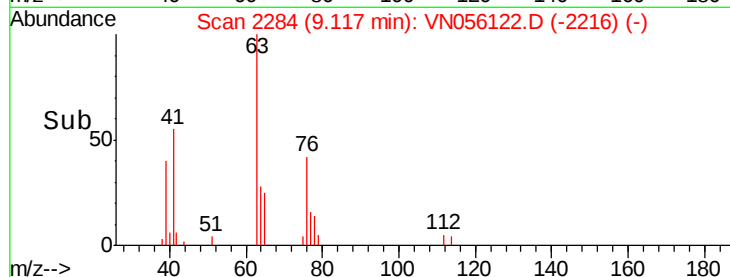
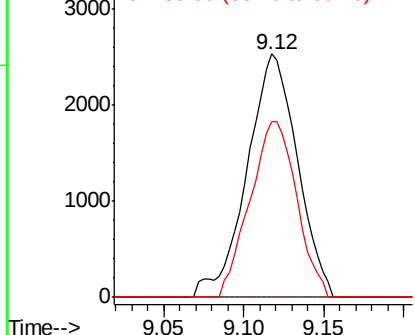
#48
Methvl methacrilate
Concen: 1.808 ug/l
RT: 9.12 min Scan# 2284
Delta R.T. -0.08 min
Lab File: VN056122.D
Acq: 8 Jun 2019 1:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 5482
Ion Ratio Lower Upper
41 100
69 0.0 71.0 106.6#
39 66.9 44.2 66.2#

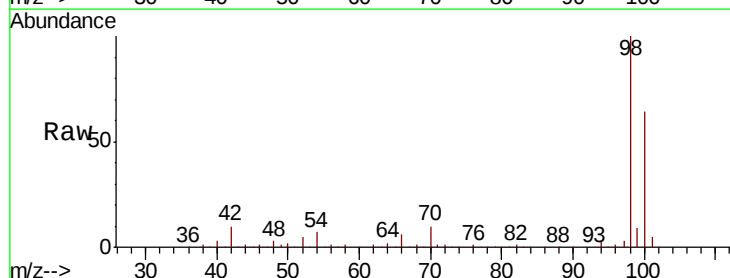


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

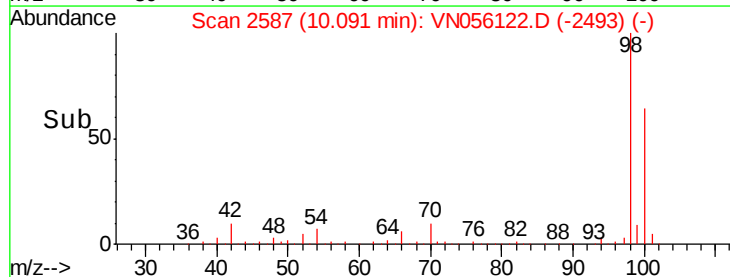
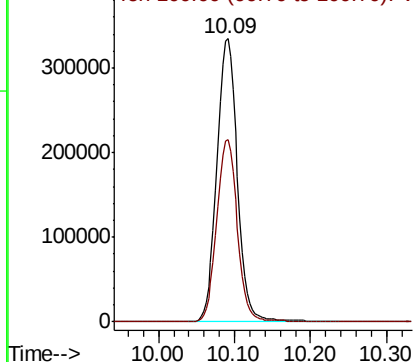


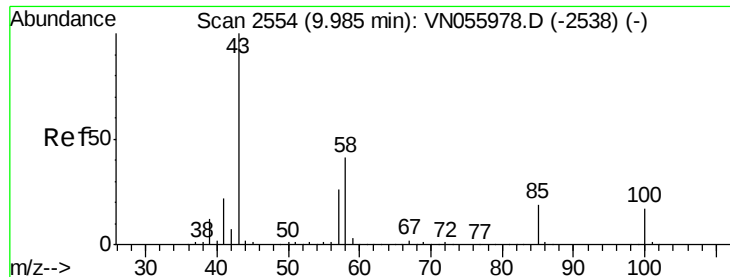
#50
Toluene-d8
Concen: 53.194 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056122.D
Acq: 8 Jun 2019 1:11

Tgt Ion: 98 Resp: 627717
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VNC
Ion 100.00 (99.70 to 100.70): VNC

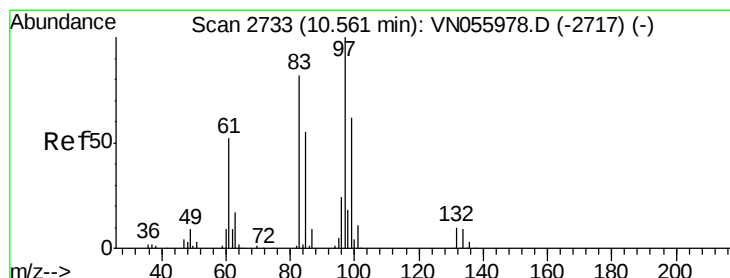
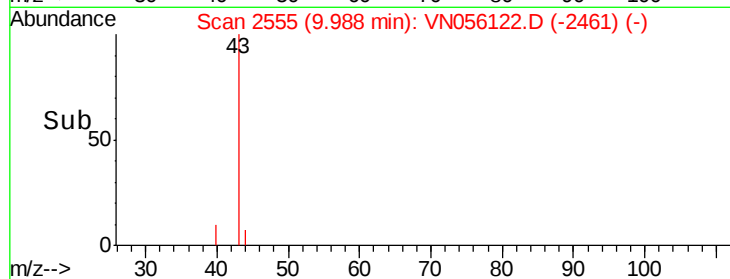
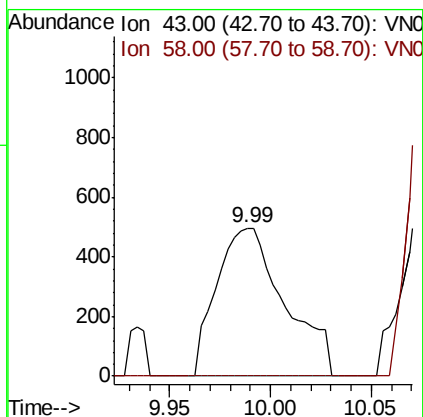
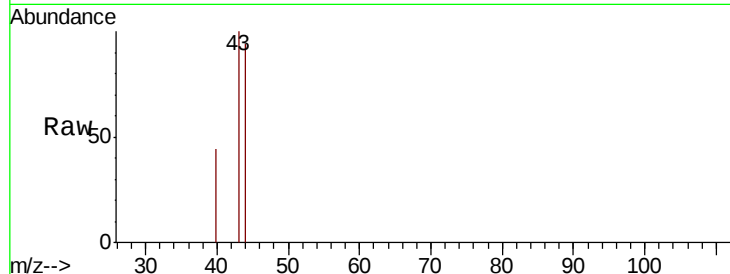




#51
 4-Methyl-2-Pentanone
 Concen: 0.301 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN056122.D
 Acq: 8 Jun 2019 1:11

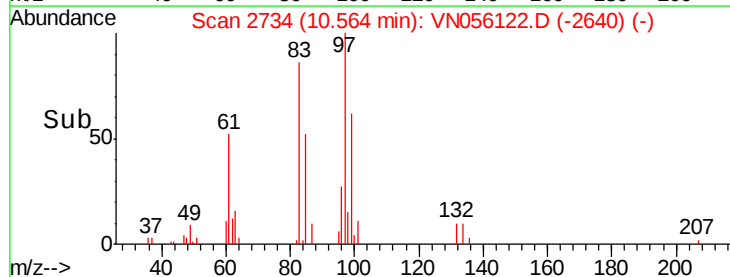
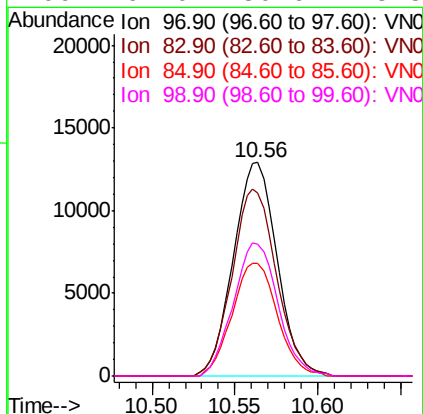
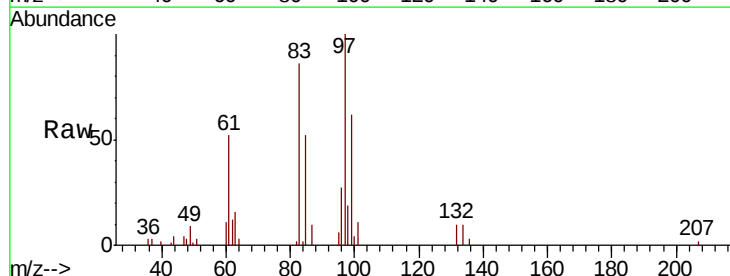
Instrument :
 MSVOA_N
 ClientSampled :

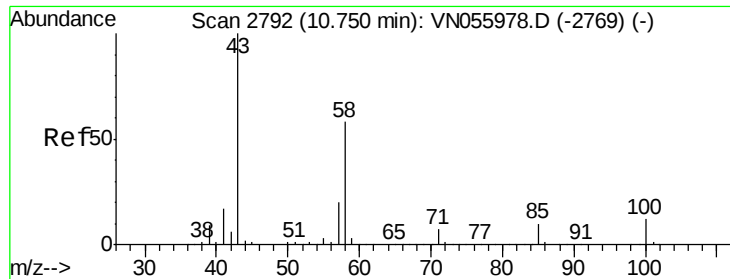
Tot Ion: 43 Resp: 1167
 Ion Ratio Lower Upper
 43 100
 58 0.0 32.1 48.1#



#55
 1,1,2-Trichloroethane
 Concen: 7.378 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN056122.D
 Acq: 8 Jun 2019 1:11

Tgt Ion: 97 Resp: 23740
 Ion Ratio Lower Upper
 97 100
 83 85.7 67.0 100.6
 85 52.5 44.0 66.0
 99 62.0 50.6 75.8

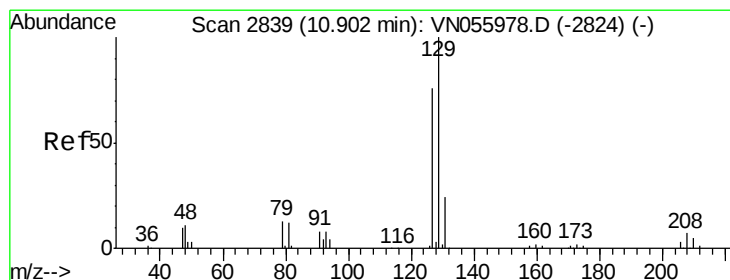
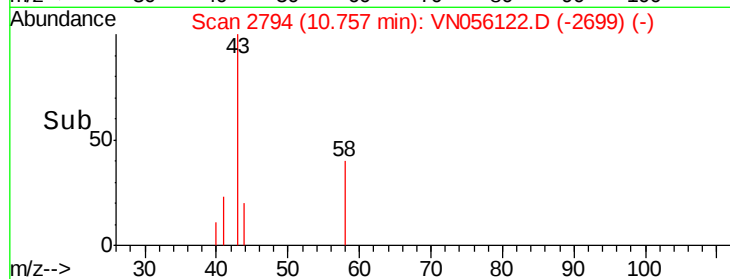
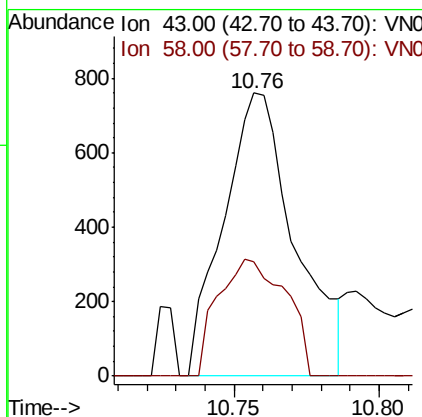
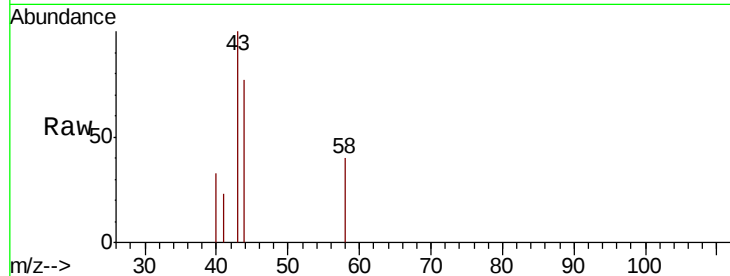




#59
2-Hexanone
Concen: 0.465 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN056122.D
Acq: 8 Jun 2019 1:11

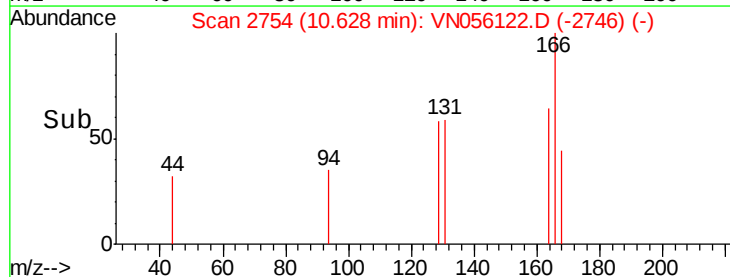
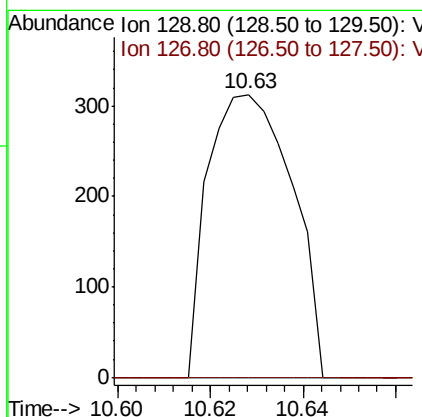
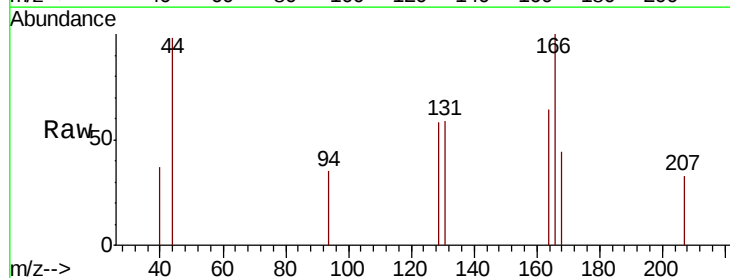
Instrument :
MSVOA_N
ClientSampled :

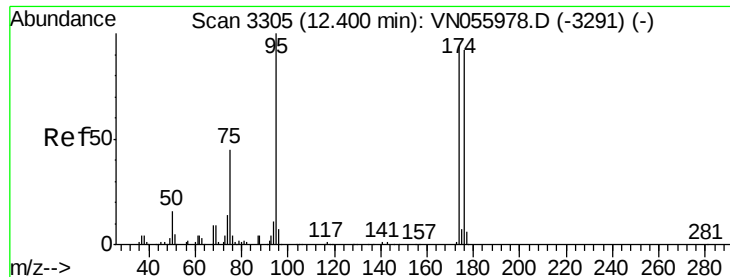
Tot Ion: 43 Resp: 1305
Ion Ratio Lower Upper
43 100
58 39.2 28.2 84.7



#60
Dibromochloromethane
Concen: 2.557 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.27 min
Lab File: VN056122.D
Acq: 8 Jun 2019 1:11

Tgt Ion: 129 Resp: 394
Ion Ratio Lower Upper
129 100
127 0.0 38.1 114.3#

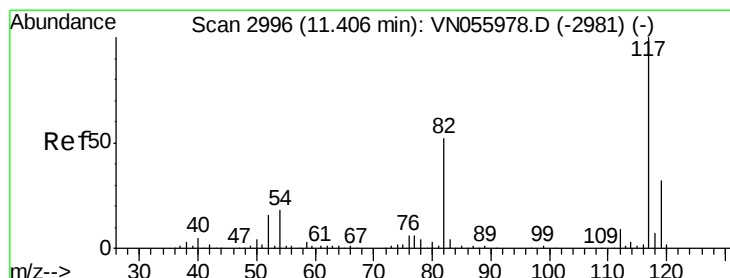
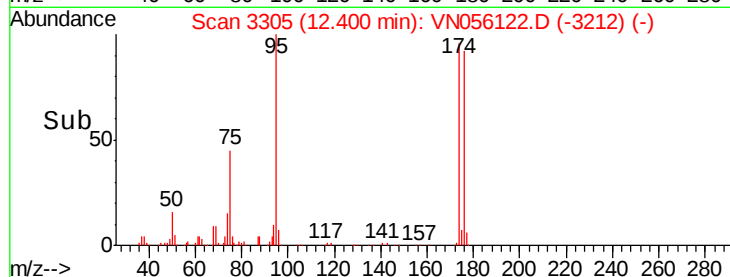
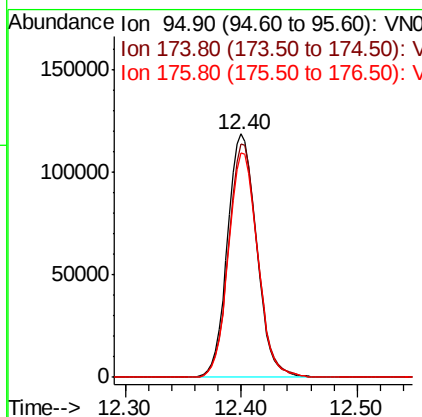
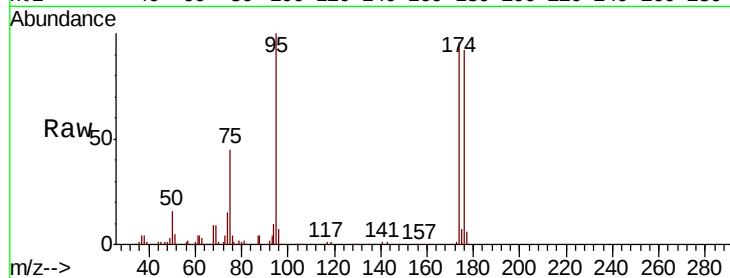




#62
4-Bromofluorobenzene
Concen: 51.390 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056122.D
Acq: 8 Jun 2019 1:11

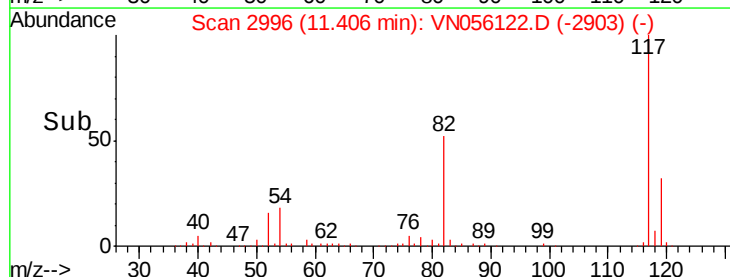
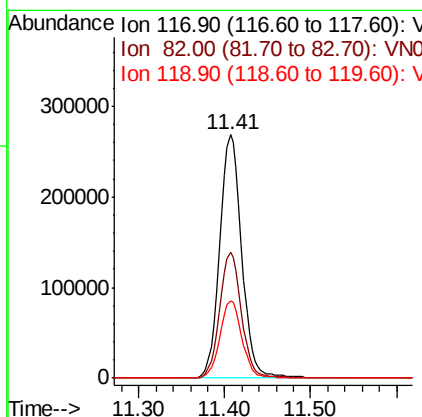
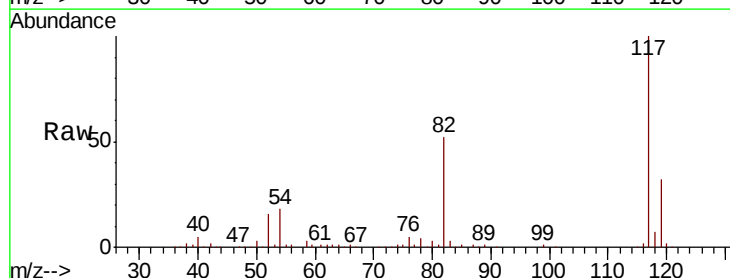
Instrument :
MSVOA_N
ClientSampleId :

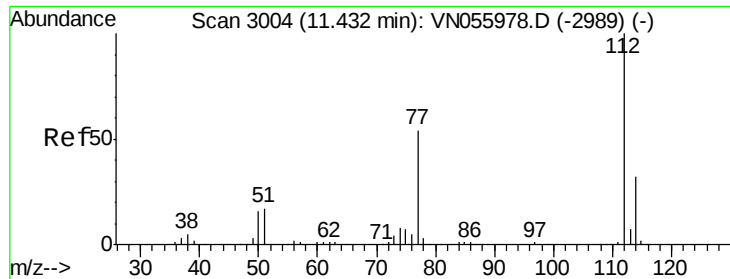
Tot Ion	95	Resp	206231
Ion Ratio	Lower	Upper	
95	100		
174	95.6	0.0	191.0
176	92.4	0.0	185.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056122.D
Acq: 8 Jun 2019 1:11

Tgt Ion	117	Resp	477980
Ion Ratio	Lower	Upper	
117	100		
82	51.5	41.8	62.8
119	31.9	25.4	38.0

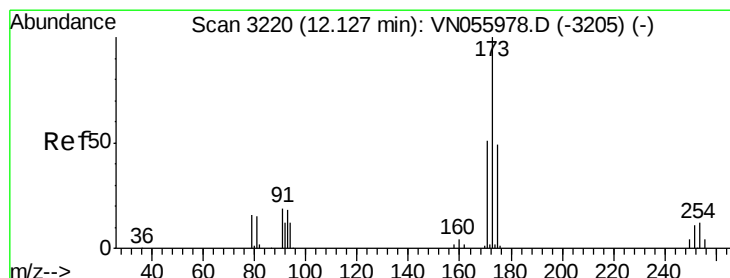
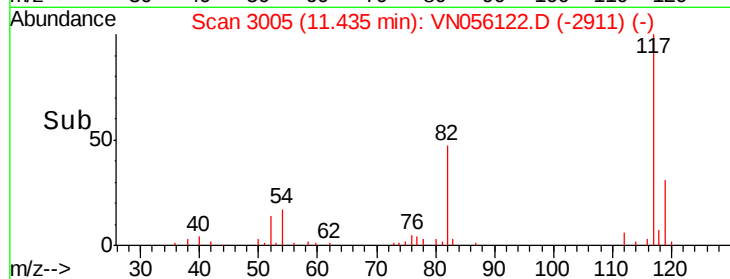
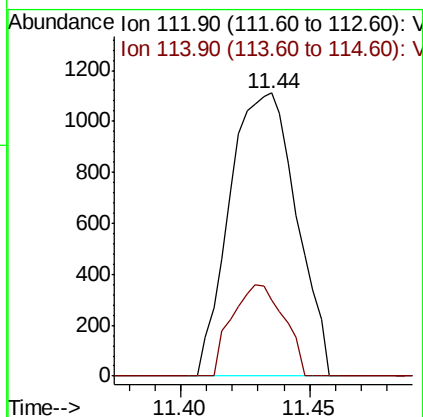
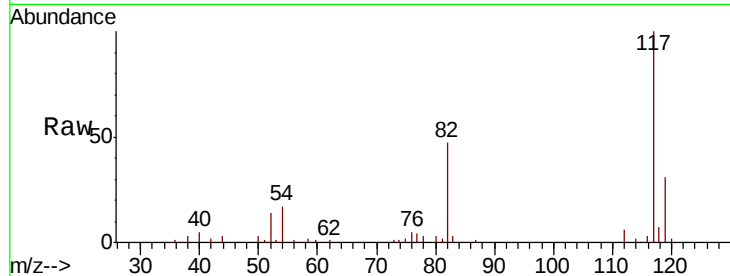




#65
Chlorobenzene
Concen: 0.211 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN056122.D
Acq: 8 Jun 2019 1:11

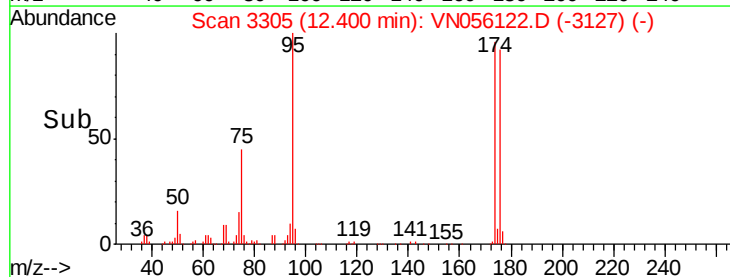
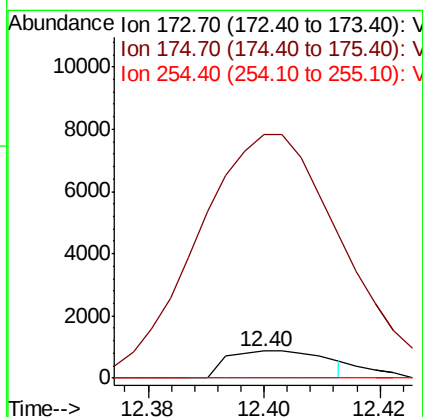
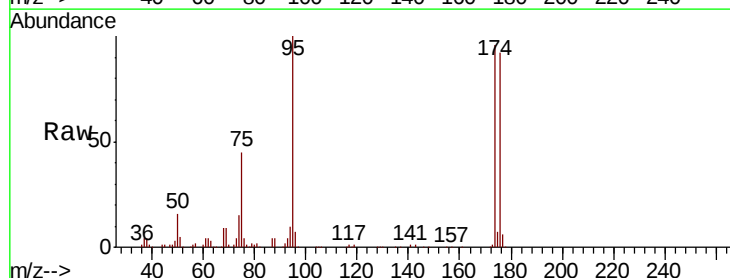
Instrument :
MSVOA_N
ClientSampled :

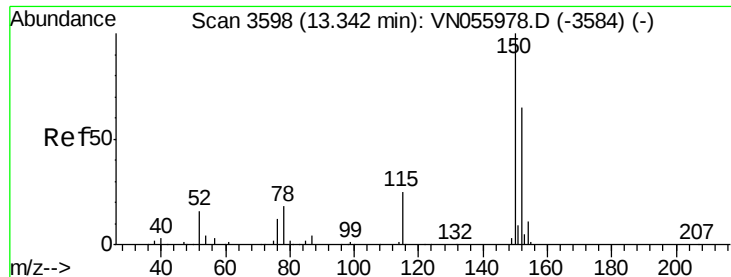
Tot Ion:112 Resp: 2008
Ion Ratio Lower Upper
112 100
114 26.9 26.2 39.4



#71
Bromoform
Concen: 3.090 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056122.D
Acq: 8 Jun 2019 1:11

Tgt Ion:173 Resp: 1015
Ion Ratio Lower Upper
173 100
175 1173.8 24.3 72.8#
254 0.0 0.0 0.0



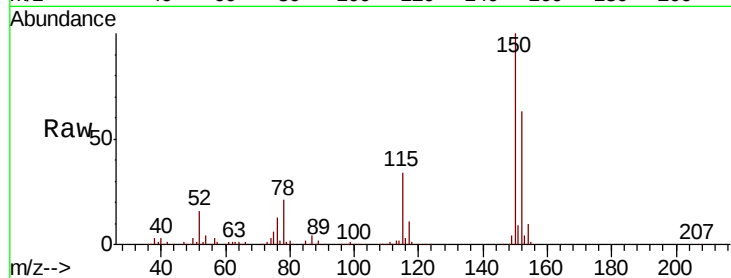


#72

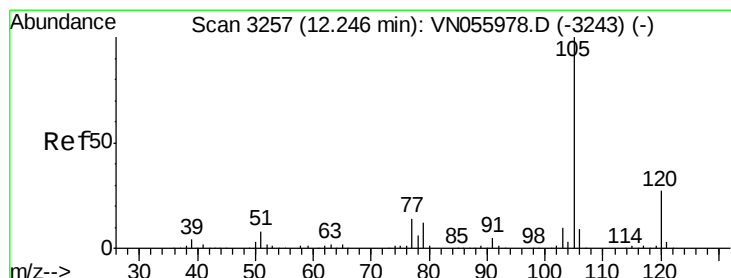
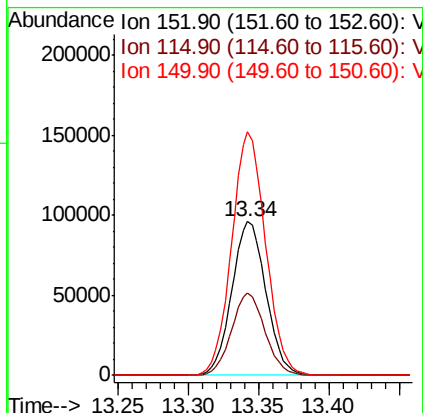
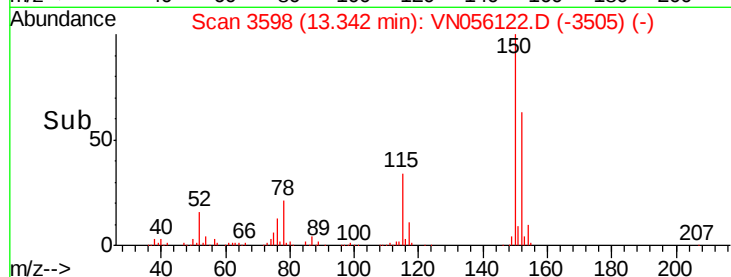
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056122.D
Acq: 8 Jun 2019 1:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 162759
Ion Ratio Lower Upper
152 100
115 52.5 27.0 81.0
150 157.1 0.0 343.2



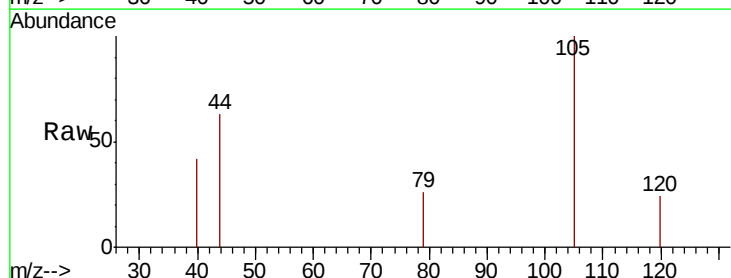
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



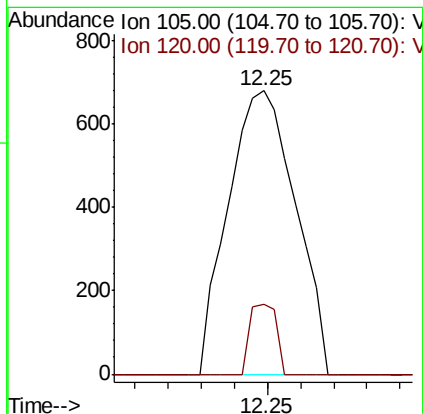
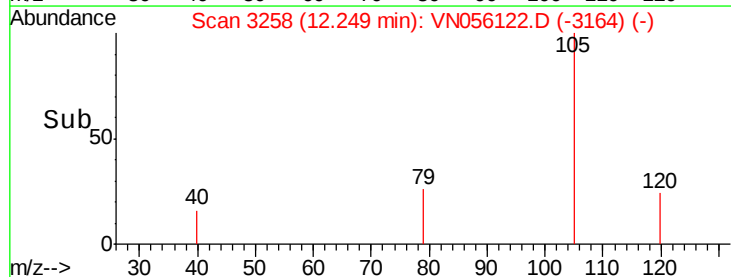
#73

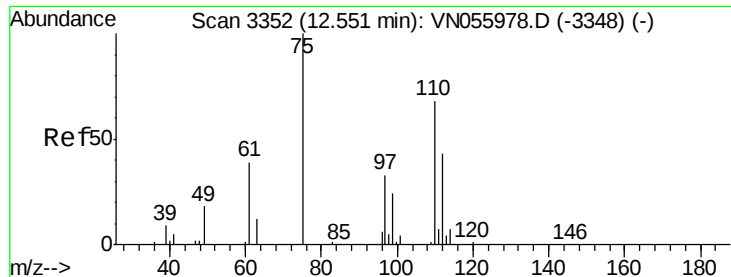
Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056122.D
Acq: 8 Jun 2019 1:11

Tgt Ion:105 Resp: 957
Ion Ratio Lower Upper
105 100
120 9.7 13.6 40.7#



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





#76

1,2,3-Trichloropropane

Concen: 31.149 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

Instrument :

MSVOA_N

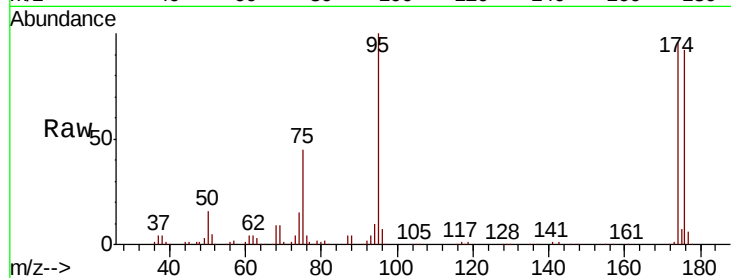
ClientSampled :

Tot Ion: 75 Resp: 93285

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

60000

50000

40000

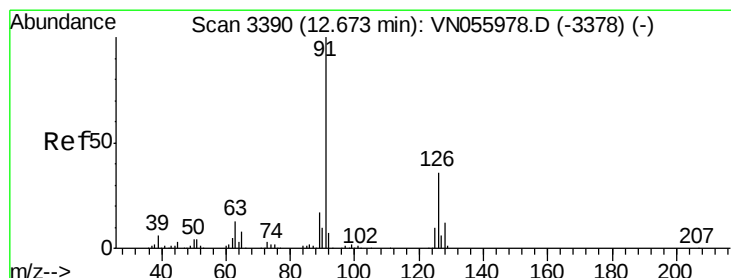
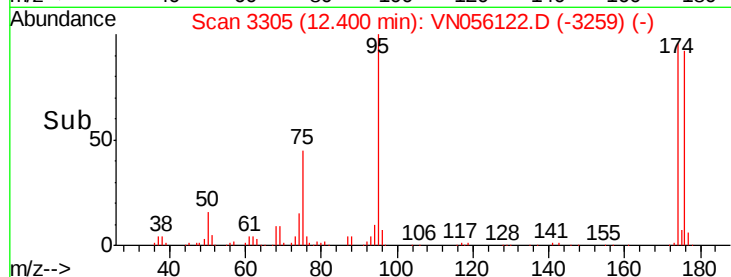
30000

20000

10000

0

Time-->



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056122.D

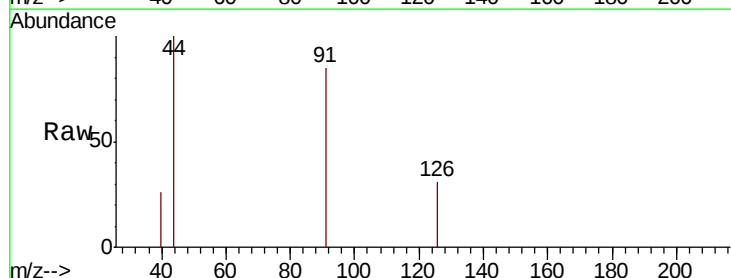
Acq: 8 Jun 2019 1:11

Tgt Ion: 91 Resp: 642

Ion Ratio Lower Upper

91 100

126 25.7 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.67

500

400

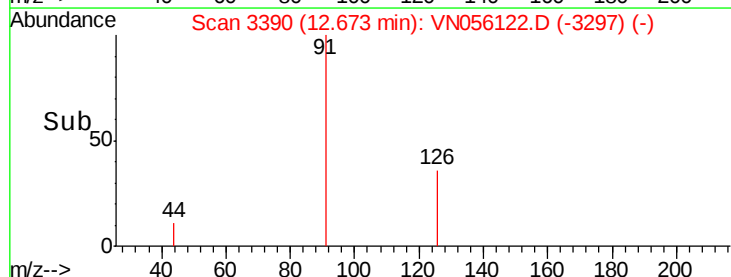
300

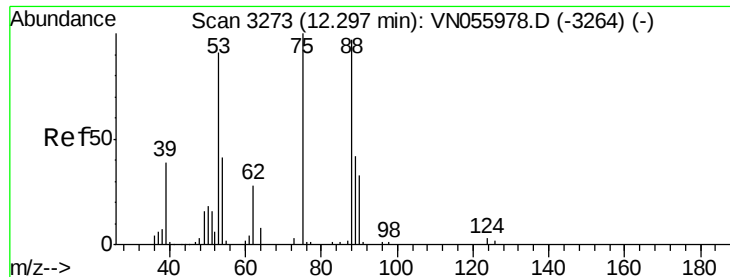
200

100

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 103.731 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

Instrument :

MSVOA_N

ClientSampleId :

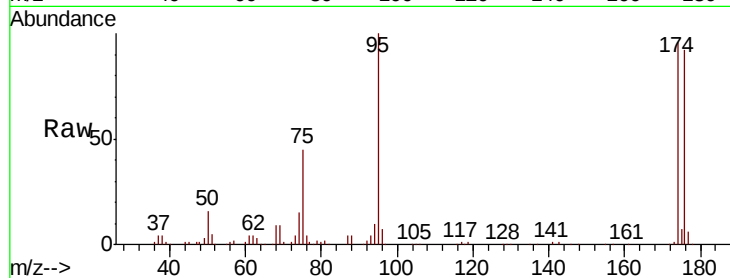
Tot Ion: 75 Resp: 93285

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

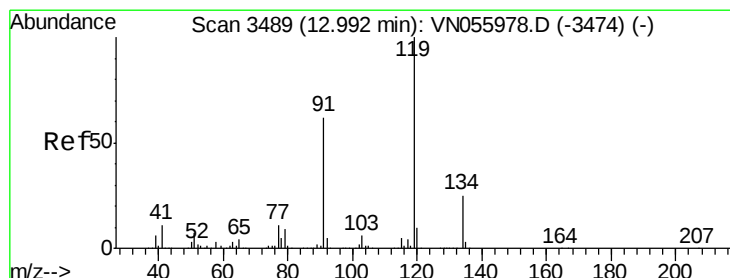
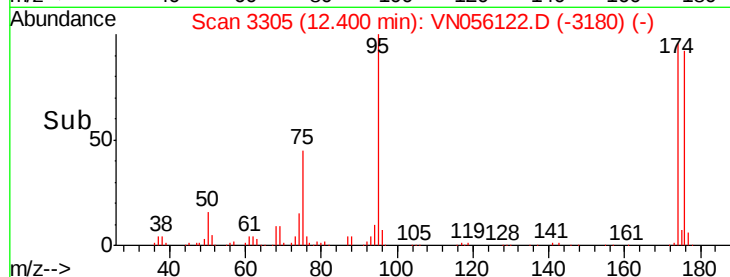
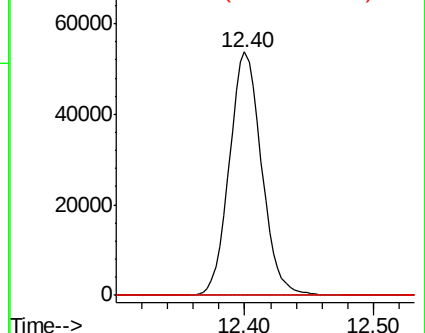
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055978.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055978.D (-3264) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

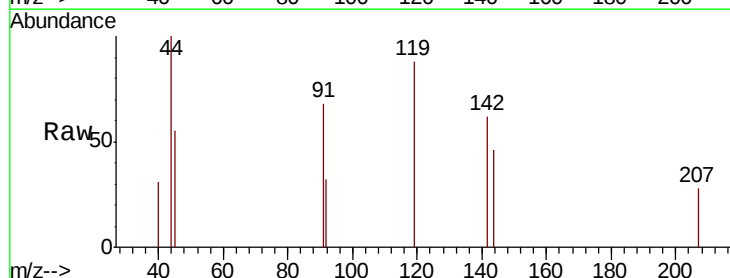
Tgt Ion: 119 Resp: 634

Ion Ratio Lower Upper

119 100

91 88.3 30.9 92.8

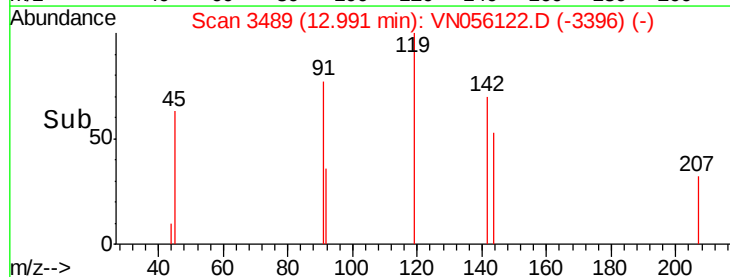
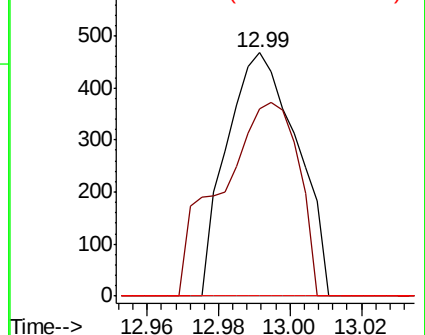
134 0.0 13.3 39.8#

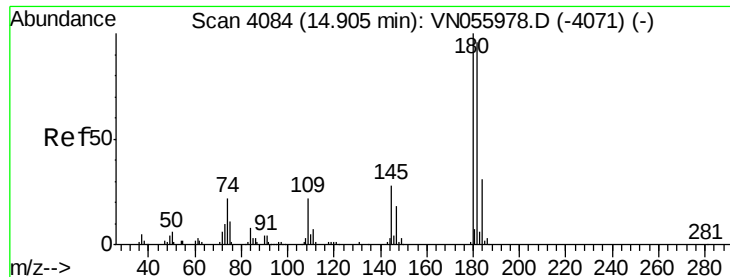


Abundance Ion 119.00 (118.70 to 119.70): VN055978.D (-3474) (-)

Ion 91.00 (90.70 to 91.70): VN055978.D (-3474) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3474) (-)

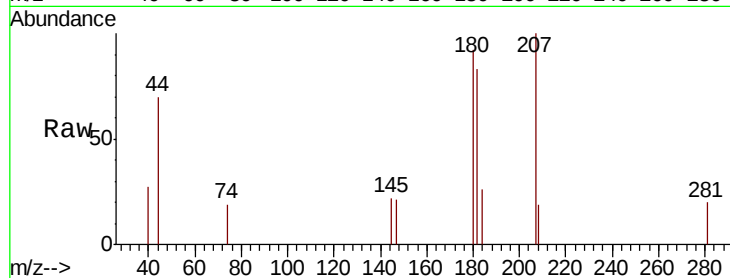




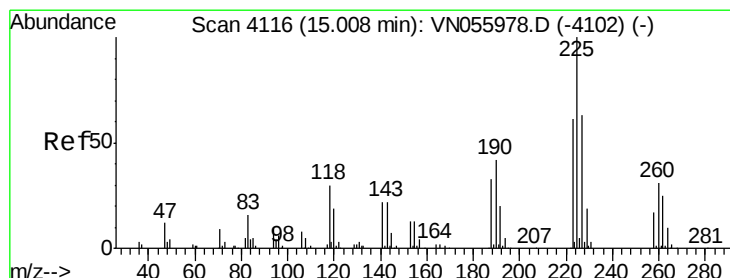
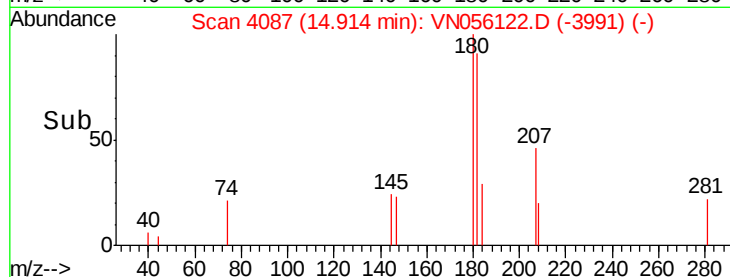
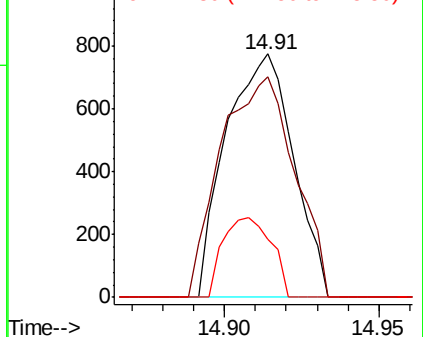
#93
 1,2,4-Trichlorobenzene
 Concen: 4.628 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN056122.D
 Acq: 8 Jun 2019 1:11

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 1174
 Ion Ratio Lower Upper
 180 100
 182 99.6 48.3 144.9
 145 23.5 14.0 41.9

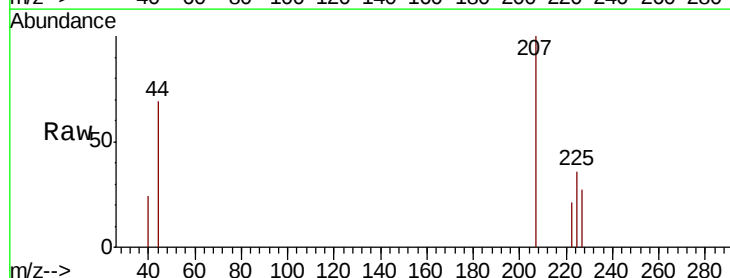


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

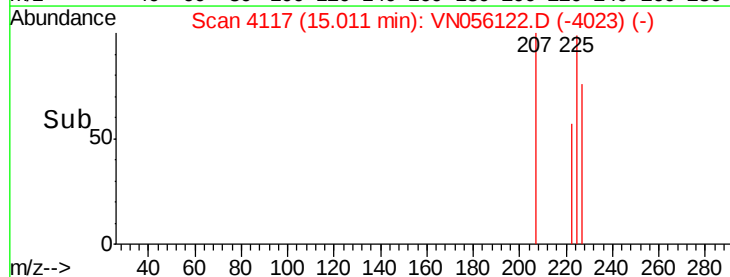
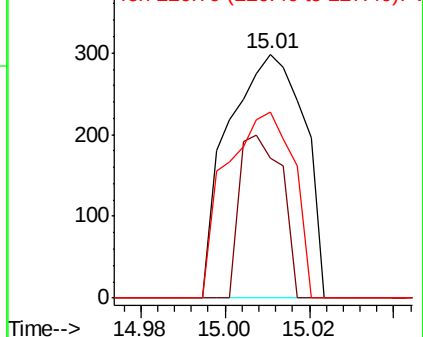


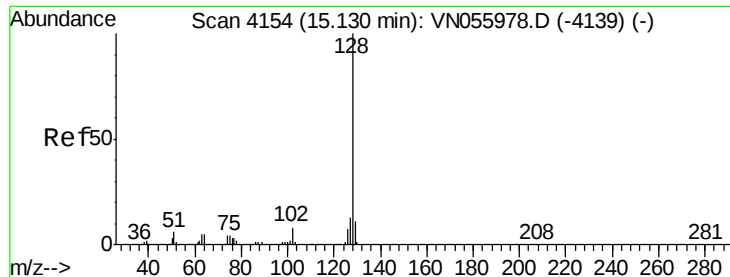
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN056122.D
 Acq: 8 Jun 2019 1:11

Tgt Ion:225 Resp: 373
 Ion Ratio Lower Upper
 225 100
 223 37.5 30.9 92.7
 227 67.6 31.6 94.7



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: 4.392 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

Instrument :

MSVOA_N

ClientSampleId :

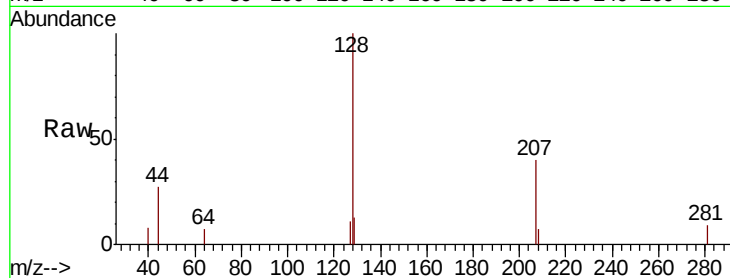
Tot Ion:128 Resp: 4562

Ion Ratio Lower Upper

128 100

127 10.1 10.3 15.5#

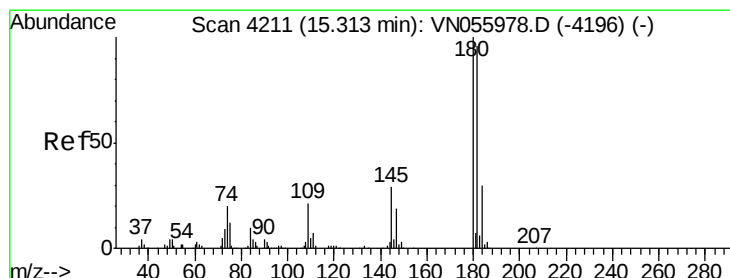
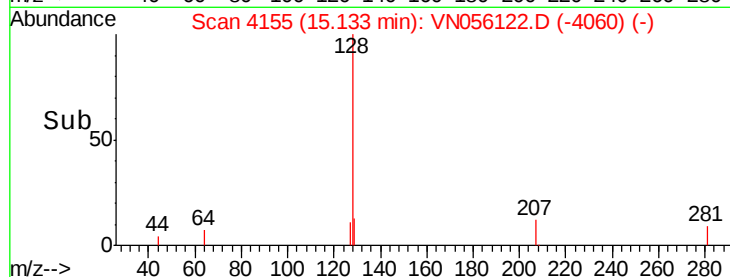
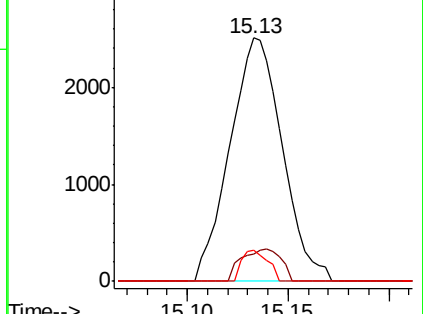
129 6.4 8.7 13.1#



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: 3.492 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056122.D

Acq: 8 Jun 2019 1:11

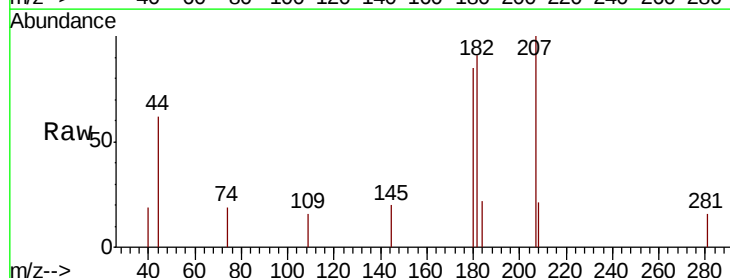
Tgt Ion:180 Resp: 1501

Ion Ratio Lower Upper

180 100

182 102.9 47.9 143.7

145 20.0 14.9 44.7



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

