

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056269.D
 Acq On : 12 Jun 2019 23:23
 Operator : JC/SP
 Sample : K3159-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-03-061119-A

Quant Time: Jun 13 04:37:40 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	313398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	458512	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	460545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	167414	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	148426	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
35) Dibromofluoromethane	7.59	113	142787	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
50) Toluene-d8	10.09	98	559850	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
62) 4-Bromofluorobenzene	12.40	95	183644	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	108	0.386	ug/l #	42
16) Acetone	3.83	43	13392	8.998	ug/l	99
17) Carbon Disulfide	4.03	76	2581	0.410	ug/l #	74
18) Methyl Acetate	4.33	43	3470	0.616	ug/l #	75
20) Methylene Chloride	4.54	84	28763	9.381	ug/l	92
25) 2-Butanone	6.86	43	2209	1.175	ug/l	97
29) Tetrahydrofuran	7.22	42	1106	0.952	ug/l #	63
31) Cyclohexane	7.66	56	4268	0.864	ug/l #	1
38) Carbon Tetrachloride	7.66	117	24577	6.762	ug/l #	15
41) Methacrylonitrile	7.22	41	470	0.291	ug/l #	28
43) Isopropyl Acetate	8.17	43	9480	1.668	ug/l #	90
44) Trichloroethene	8.83	130	2213	0.643	ug/l	94
45) 1,2-Dichloropropane	9.27	63	1184	0.386	ug/l #	44
48) Methyl methacrylate	9.18	41	6238	2.243	ug/l #	12
51) 4-Methyl-2-Pentanone	9.99	43	5581	1.570	ug/l	90
53) t-1,3-Dichloropropene	10.39	75	172	2.436	ug/l #	51
54) cis-1,3-Dichloropropene	9.90	75	39444	9.027	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	8909	1.857	ug/l #	42
59) 2-Hexanone	10.76	43	118200	45.877	ug/l #	53
60) Dibromochloromethane	10.63	129	550	2.613	ug/l #	11
64) Tetrachloroethene	10.63	164	821	0.206	ug/l	90
68) m/p-Xylenes	11.62	106	1546	0.254	ug/l	95
71) Bromoform	12.40	173	1442	3.255	ug/l #	1
73) Isopropylbenzene	12.25	105	1651	Below Cal		93
74) N-amyl acetate	12.07	43	1787	0.400	ug/l #	66
76) 1,2,3-Trichloropropane	12.40	75	83420	27.080	ug/l #	100
78) n-propylbenzene	12.59	91	3108	0.219	ug/l	93
79) 2-Chlorotoluene	12.77	91	2230	Below Cal		93
80) 1,3,5-Trimethylbenzene	12.73	105	4516	0.401	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	83420	90.182	ug/l #	15
82) 4-Chlorotoluene	12.77	91	2230	0.269	ug/l	94
83) tert-Butylbenzene	12.99	119	1526	Below Cal		95
84) 1,2,4-Trimethylbenzene	13.04	105	3110	0.291	ug/l	95
85) sec-Butylbenzene	13.17	105	2637	0.210	ug/l	87

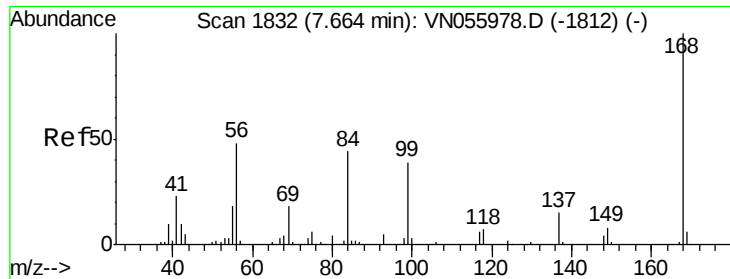
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056269.D
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 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	13.29	119	3086	0.275	ug/l	90
87) 1,3-Dichlorobenzene	13.28	146	2014	0.363	ug/l	98
88) 1,4-Dichlorobenzene	13.28	146	2014	0.377	ug/l	98
89) n-Butylbenzene	13.62	91	3732	0.449	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	2073	0.370	ug/l	93
93) 1,2,4-Trichlorobenzene	14.91	180	3440	5.289	ug/l	99
94) Hexachlorobutadiene	15.01	225	1515	Below Cal		94
95) Naphthalene	15.13	128	37987	8.230	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	4866	4.484	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056269.D

Acq: 12 Jun 2019 23:23

Instrument :

MSVOA_N

ClientSampled :

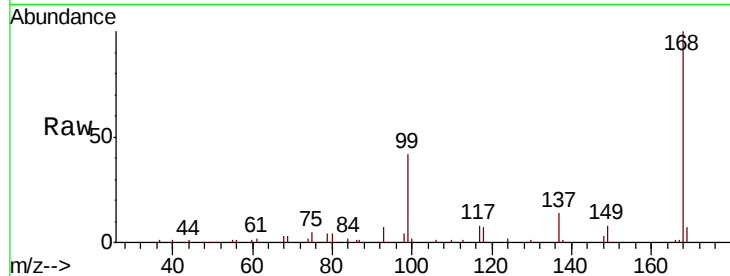
OR-03-061119-A

Tot Ion:168 Resp: 313398

Ion Ratio Lower Upper

168 100

99 42.4 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

150000

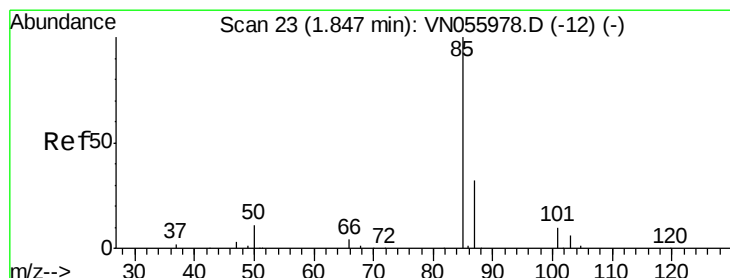
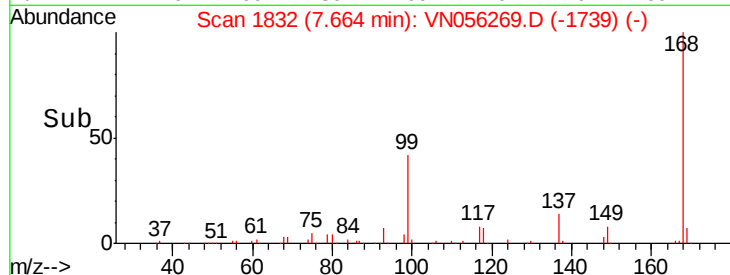
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.386 ug/l

RT: 1.84 min Scan# 22

Delta R.T. -0.00 min

Lab File: VN056269.D

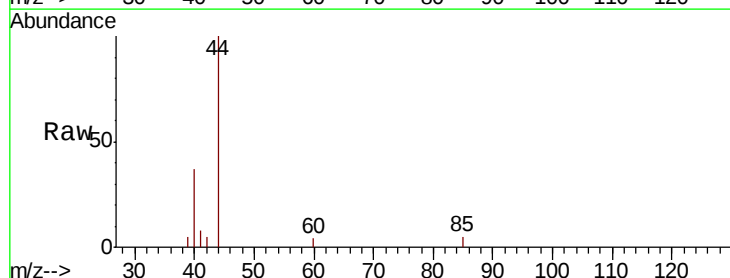
Acq: 12 Jun 2019 23:23

Tgt Ion: 85 Resp: 108

Ion Ratio Lower Upper

85 100

87 0.0 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VN055978.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN055978.D (-12) (-)

1.84

200

150

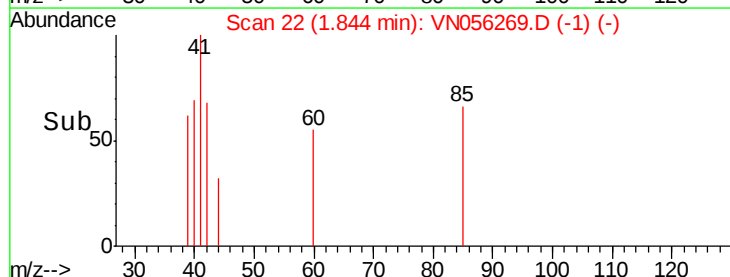
100

50

0

1.83 1.84 1.85 1.85

Time-->





#16

Acetone

Concen: 8.998 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056269.D

Acq: 12 Jun 2019 23:23

Instrument :

MSVOA_N

ClientSampleId :

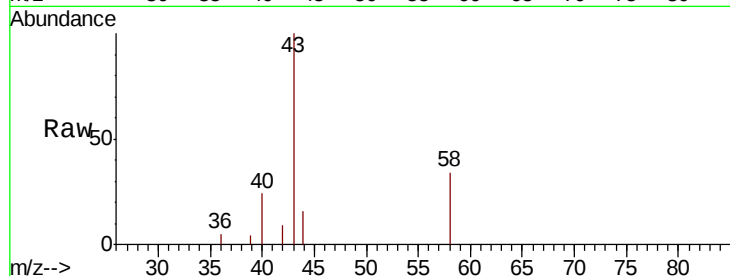
OR-03-061119-A

Tot Ion: 43 Resp: 13392

Ion Ratio Lower Upper

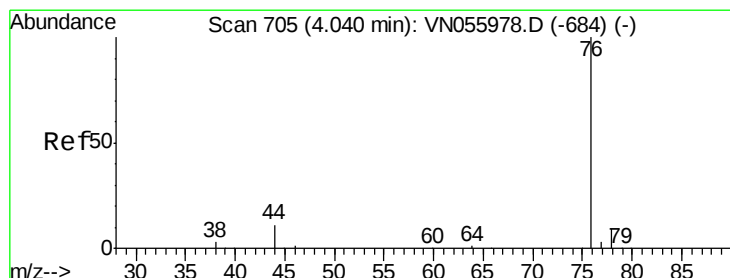
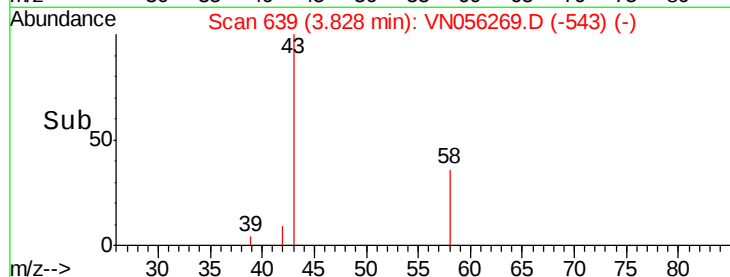
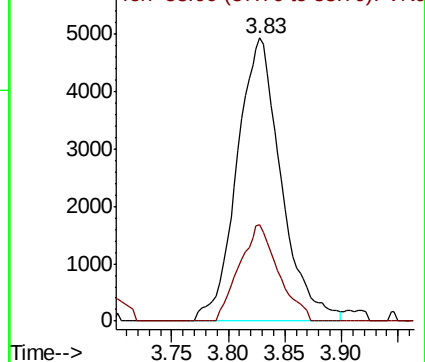
43 100

58 34.0 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.410 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.01 min

Lab File: VN056269.D

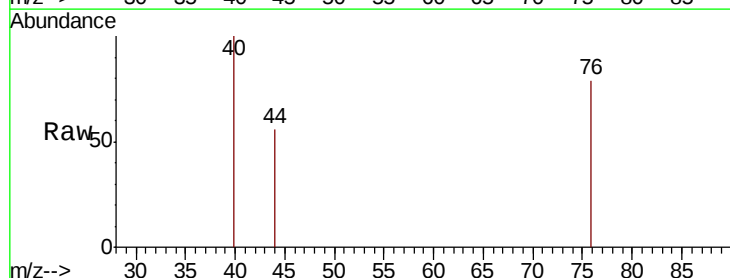
Acq: 12 Jun 2019 23:23

Tgt Ion: 76 Resp: 2581

Ion Ratio Lower Upper

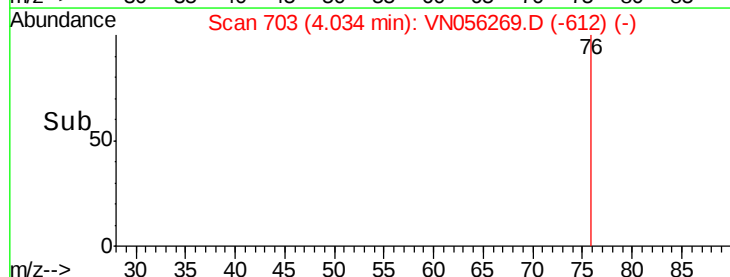
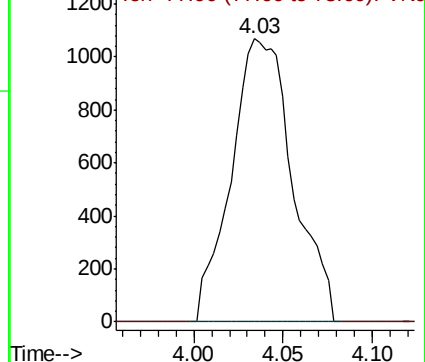
76 100

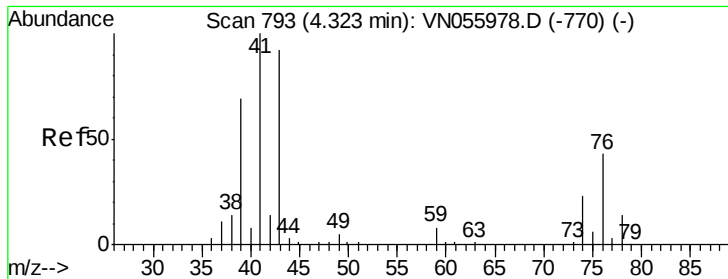
78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

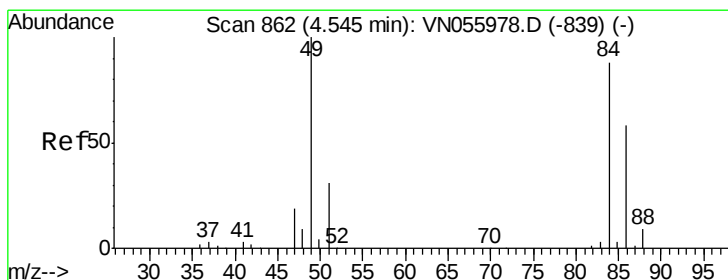
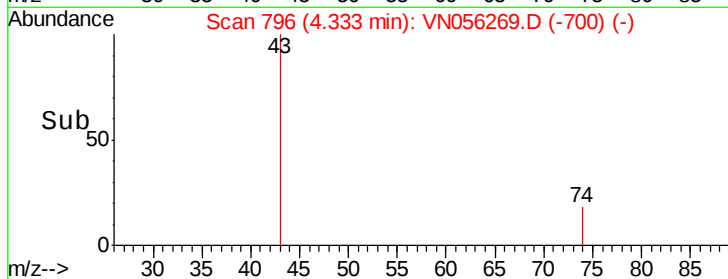
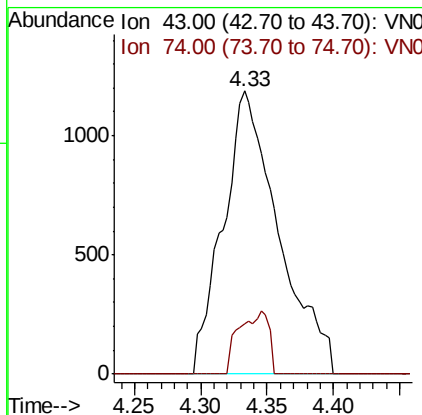
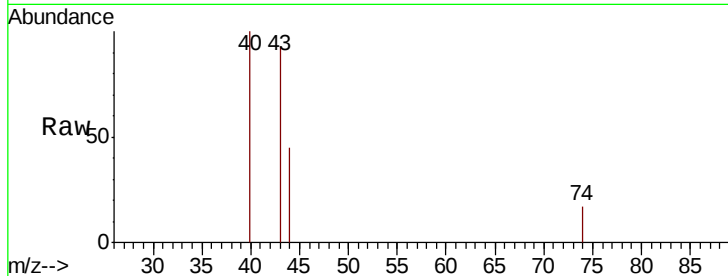




#18
Methyl Acetate
Concen: 0.616 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN056269.D
Acq: 12 Jun 2019 23:23

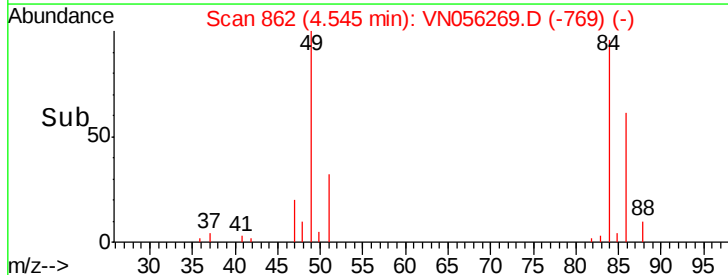
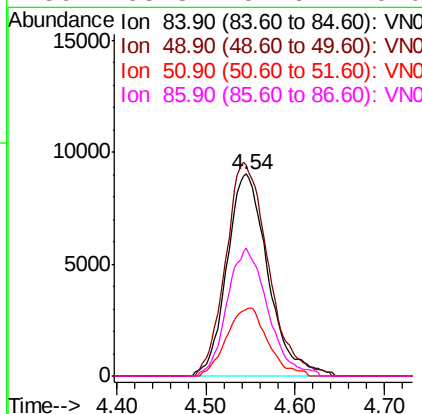
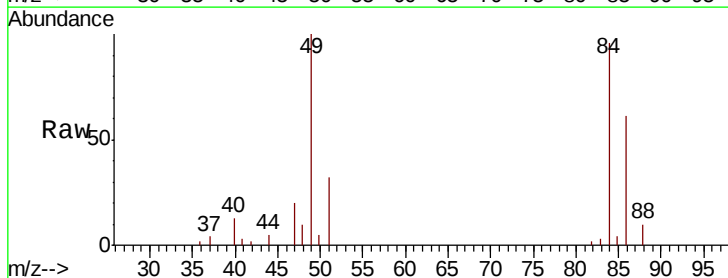
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OR-03-061119-A

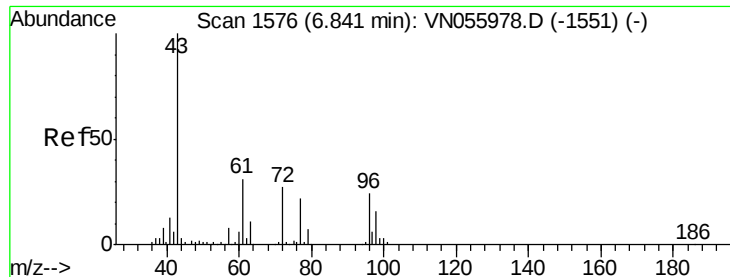
Tot Ion: 43 Resp: 3470
Ion Ratio Lower Upper
43 100
74 11.8 19.3 28.9#



#20
Methylene Chloride
Concen: 9.381 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN056269.D
Acq: 12 Jun 2019 23:23

Tgt Ion: 84 Resp: 28763
Ion Ratio Lower Upper
84 100
49 104.4 93.5 140.3
51 33.2 28.6 43.0
86 63.3 52.6 79.0

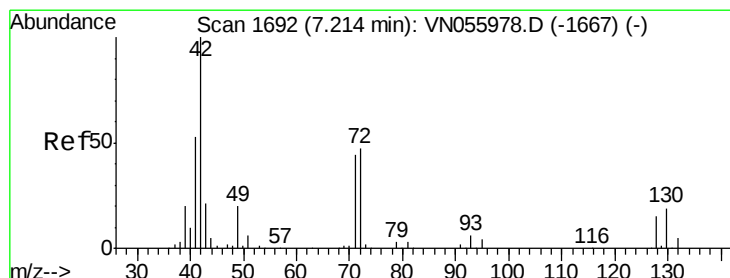
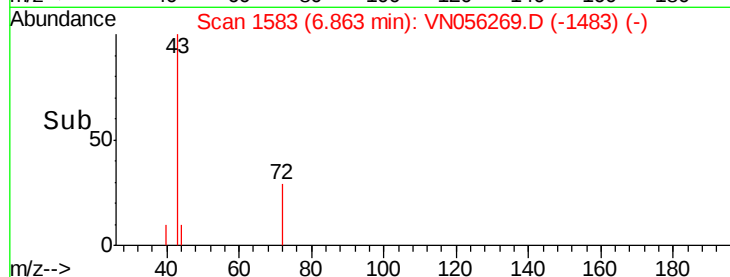
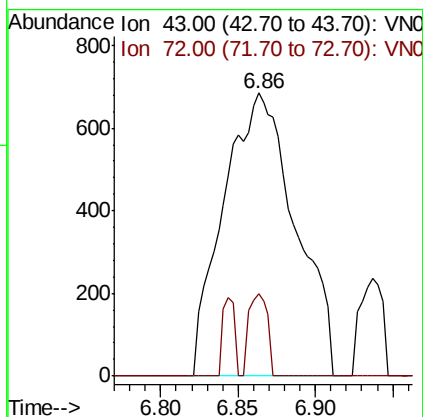
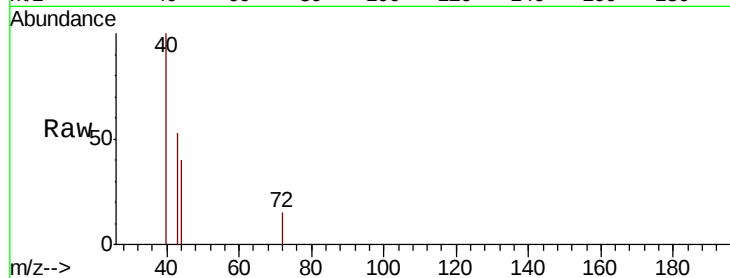




#25
2-Butanone
Concen: 1.175 ug/l
RT: 6.86 min Scan# 1583
Delta R.T. 0.02 min
Lab File: VN056269.D
Acq: 12 Jun 2019 23:23

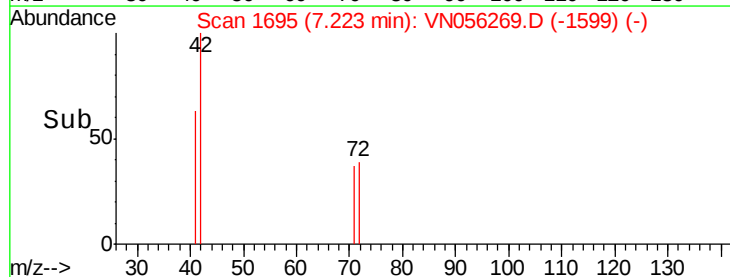
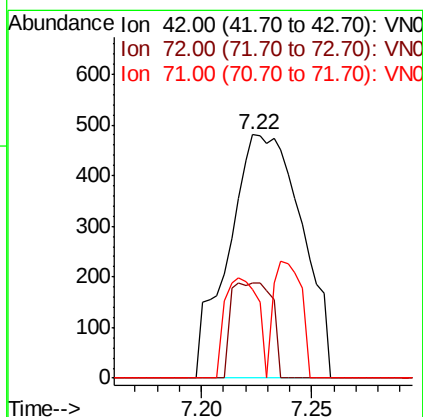
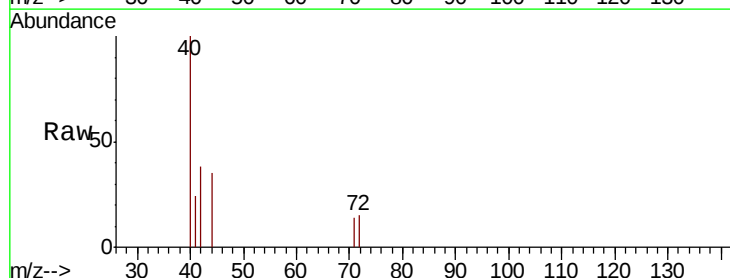
Instrument :
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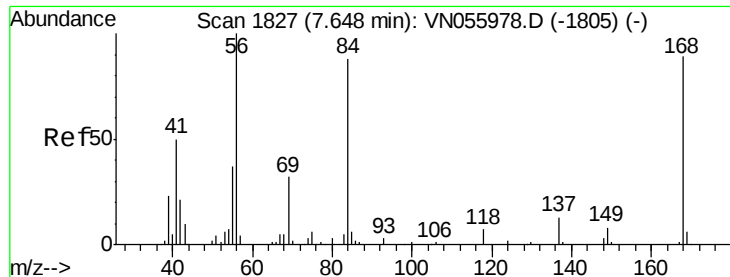
Tot Ion: 43 Resp: 2209
Ion Ratio Lower Upper
43 100
72 29.1 21.9 32.9



#29
Tetrahydrofuran
Concen: 0.952 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VN056269.D
Acq: 12 Jun 2019 23:23

Tgt Ion: 42 Resp: 1106
Ion Ratio Lower Upper
42 100
72 21.9 35.9 53.9#
71 18.4 34.0 51.0#

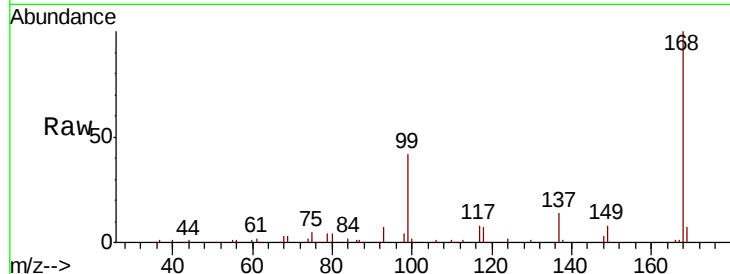




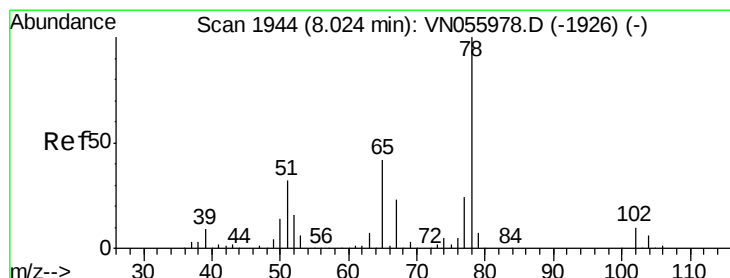
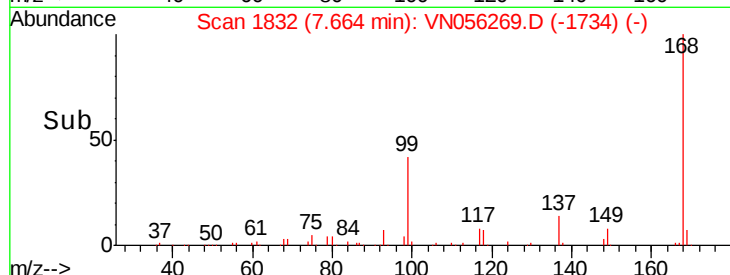
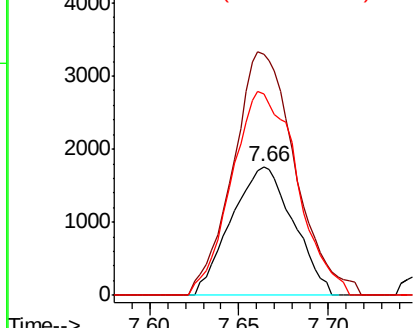
#31
Cyclohexane
Concen: 0.864 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN056269.D
Acq: 12 Jun 2019 23:23

Instrument :
MSVOA_N
ClientSampleId :
OR-03-061119-A

Tot Ion: 56 Resp: 4268
Ion Ratio Lower Upper
56 100
69 187.5 25.6 38.4#
84 156.2 67.4 101.0#

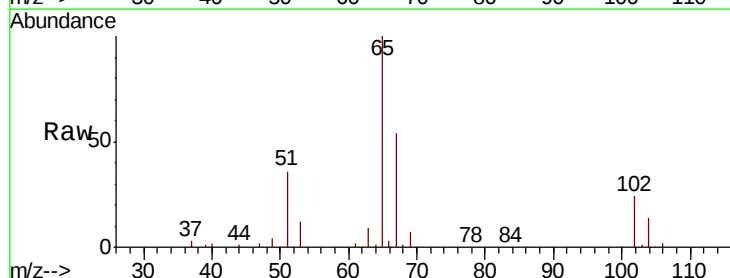


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

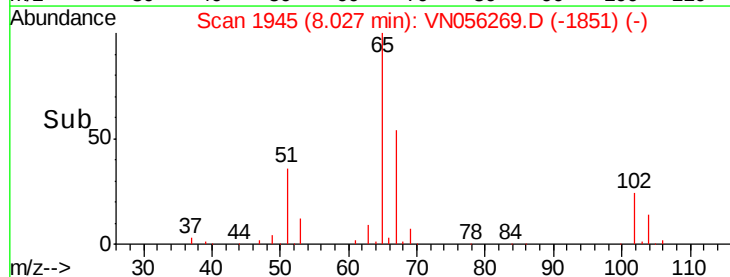
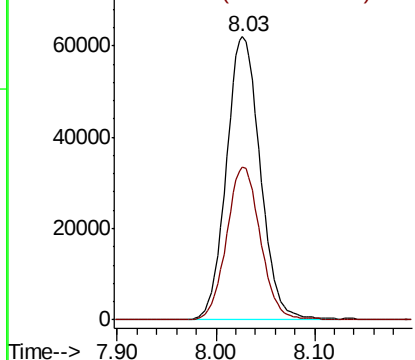


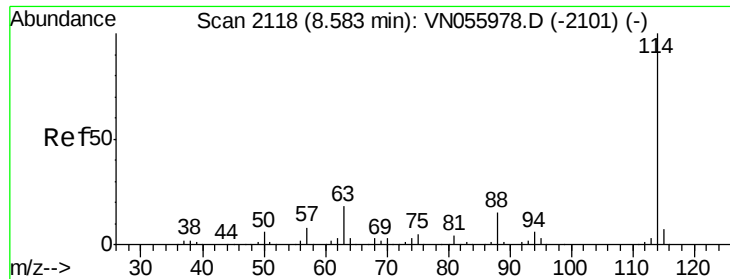
#33
1,2-Dichloroethane-d4
Concen: 47.698 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056269.D
Acq: 12 Jun 2019 23:23

Tgt Ion: 65 Resp: 148426
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.2



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

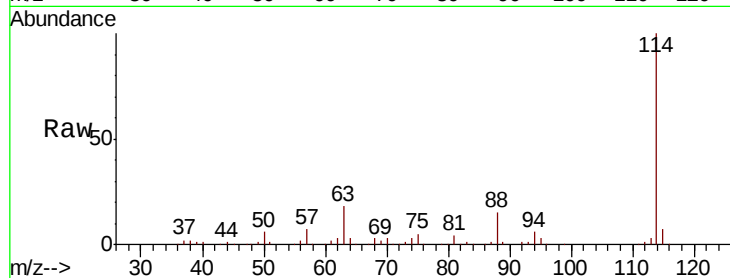




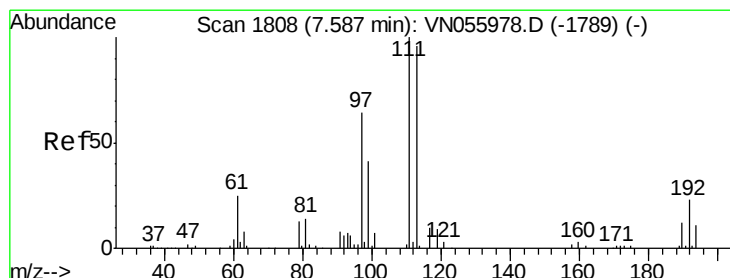
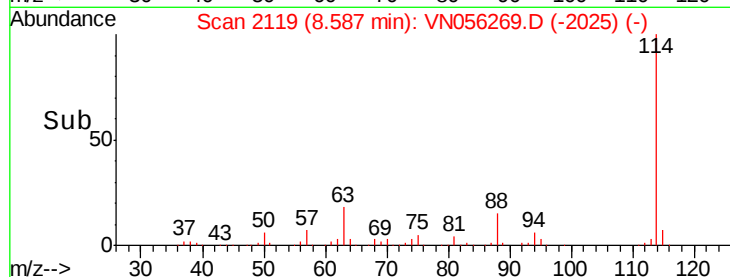
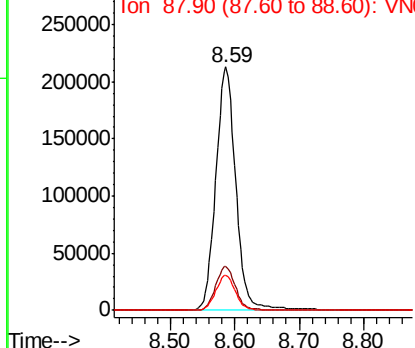
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN056269.D
Acq: 12 Jun 2019 23:23

Instrument :
MSVOA_N
ClientSampleId :
OR-03-061119-A

Tot Ion:114 Resp: 458512
Ion Ratio Lower Upper
114 100
63 18.1 0.0 39.2
88 14.6 0.0 31.0

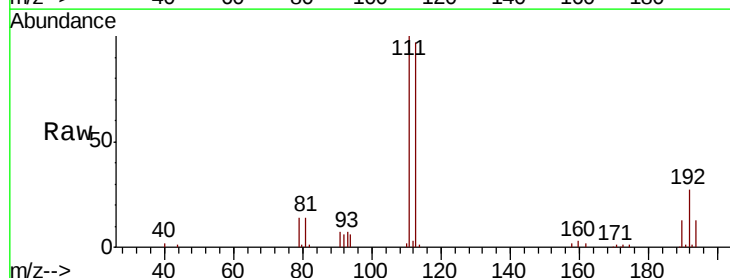


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

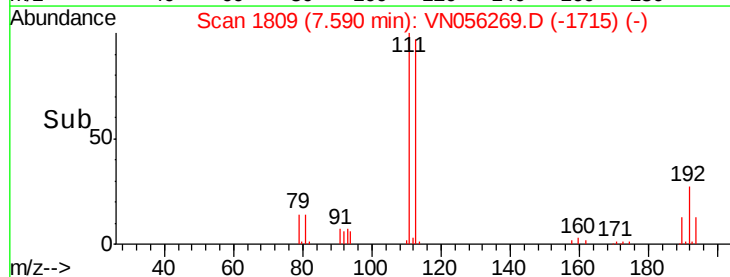
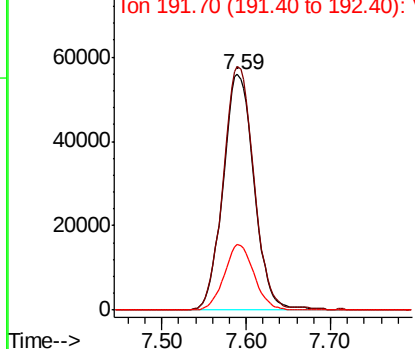


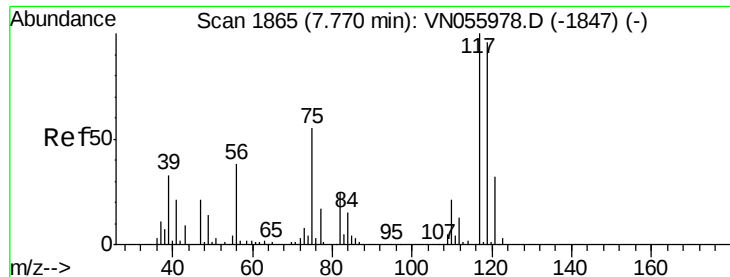
#35
Dibromofluoromethane
Concen: 50.757 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056269.D
Acq: 12 Jun 2019 23:23

Tgt Ion:113 Resp: 142787
Ion Ratio Lower Upper
113 100
111 102.7 81.9 122.9
192 26.8 19.5 29.3



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





#38

Carbon Tetrachloride

Concen: 6.762 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056269.D

Acq: 12 Jun 2019 23:23

Instrument :

MSVOA_N

ClientSampleId :

OR-03-061119-A

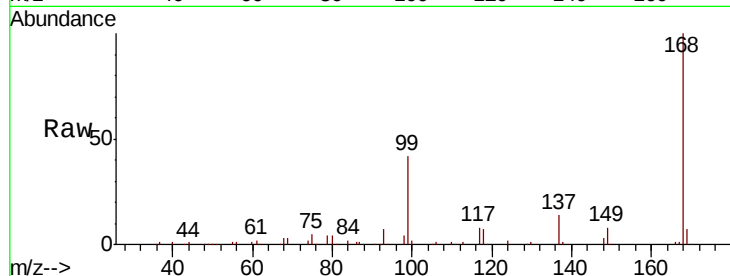
Tot Ion:117 Resp: 24577

Ion Ratio Lower Upper

117 100

119 5.0 79.0 118.6#

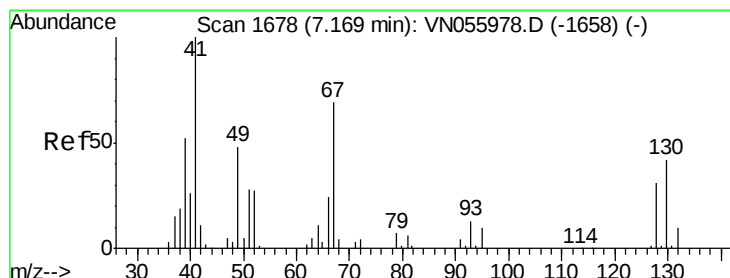
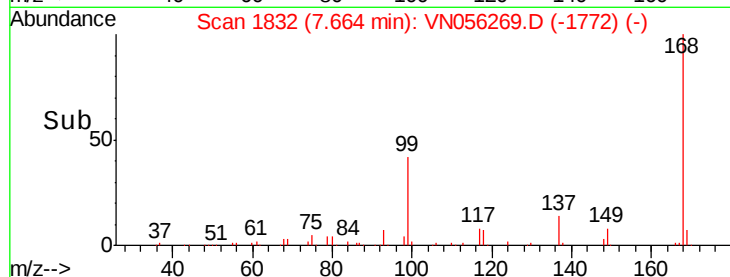
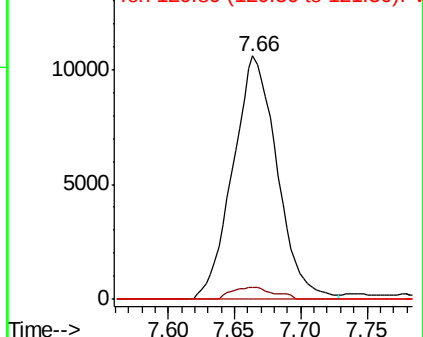
121 0.0 24.7 37.1#



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



#41

Methacrylonitrile

Concen: 0.291 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.05 min

Lab File: VN056269.D

Acq: 12 Jun 2019 23:23

Tgt Ion: 41 Resp: 470

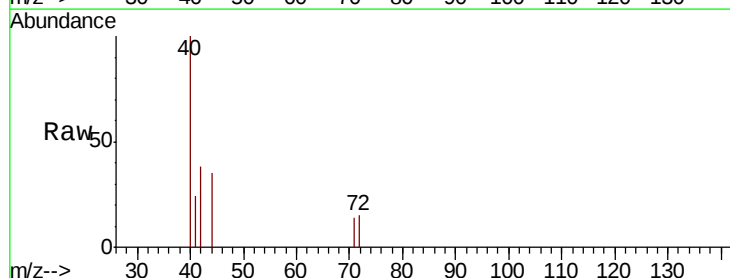
Ion Ratio Lower Upper

41 100

39 20.2 45.6 68.4#

67 0.0 67.7 101.5#

52 0.0 26.6 40.0#

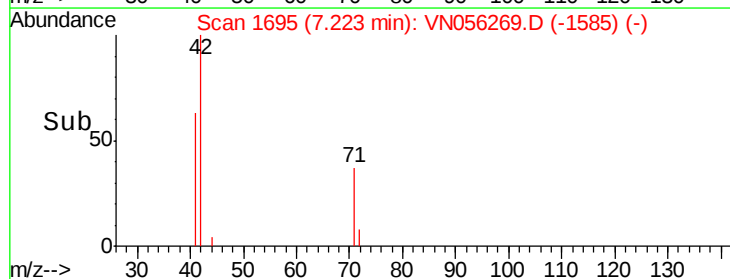
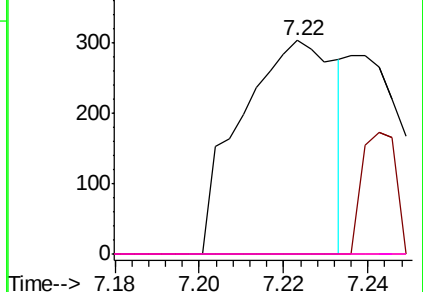


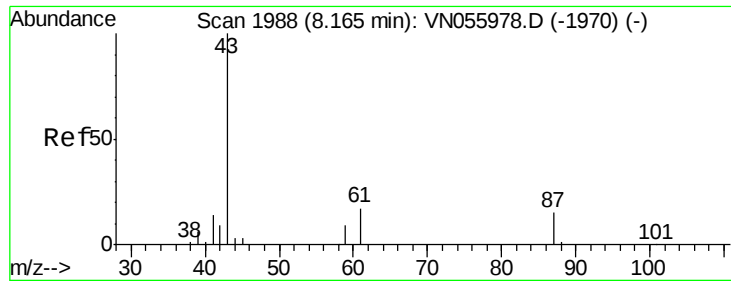
Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC





#43

Isopropyl Acetate

Concen: 1.668 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN056269.D

Acq: 12 Jun 2019 23:23

Instrument :

MSVOA_N

ClientSampleId :

OR-03-061119-A

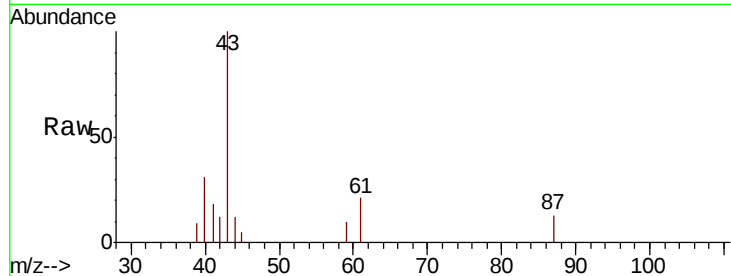
Tot Ion: 43 Resp: 9480

Ion Ratio Lower Upper

43 100

61 21.0 22.2 33.4#

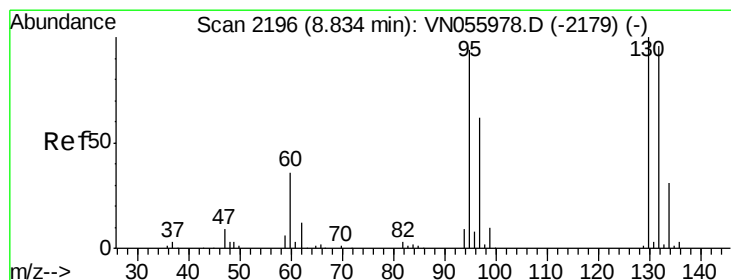
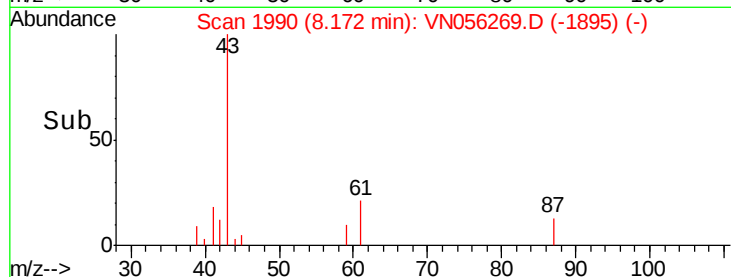
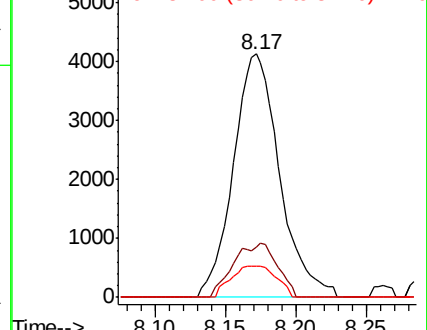
87 12.5 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)



#44

Trichloroethene

Concen: 0.643 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056269.D

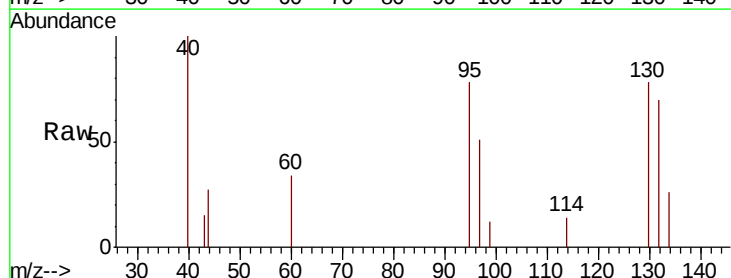
Acq: 12 Jun 2019 23:23

Tgt Ion: 130 Resp: 2213

Ion Ratio Lower Upper

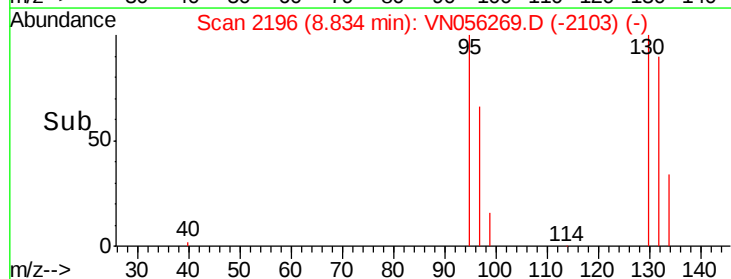
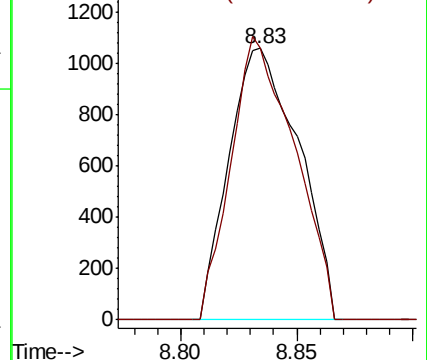
130 100

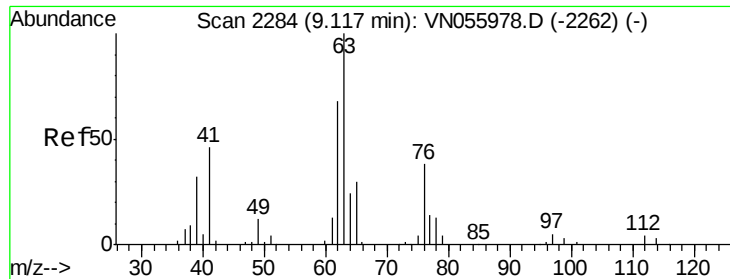
95 100.2 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

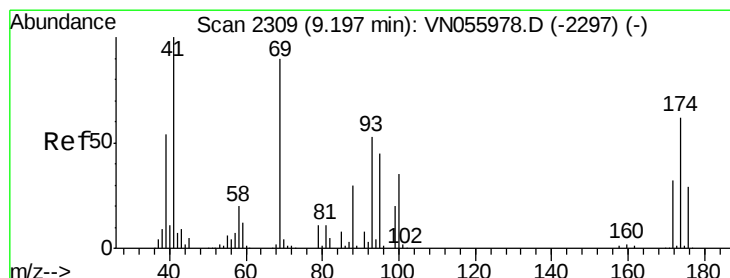
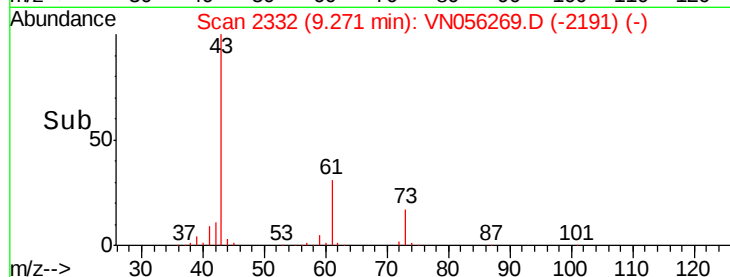
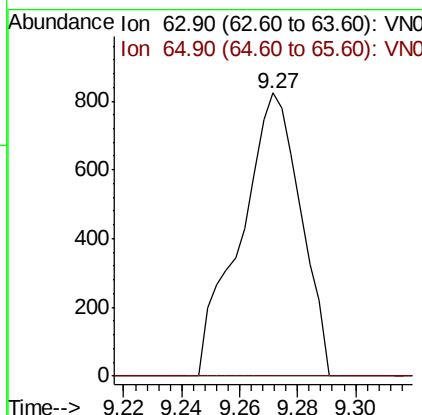
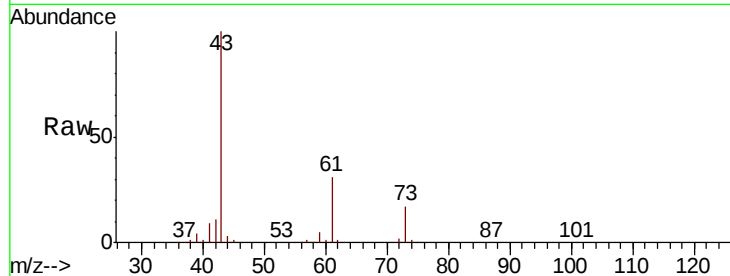




#45
 1,2-Dichloropropane
 Concen: 0.386 ug/l
 RT: 9.27 min Scan# 2332
 Delta R.T. 0.15 min
 Lab File: VN056269.D
 Acq: 12 Jun 2019 23:23

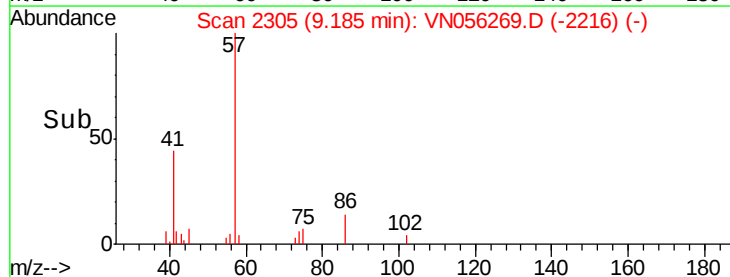
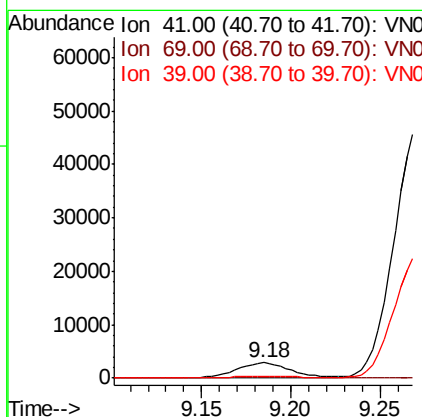
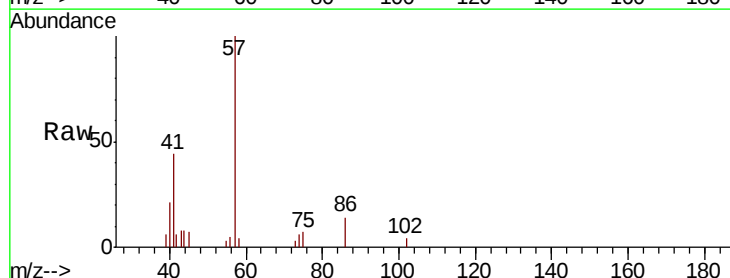
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-03-061119-A

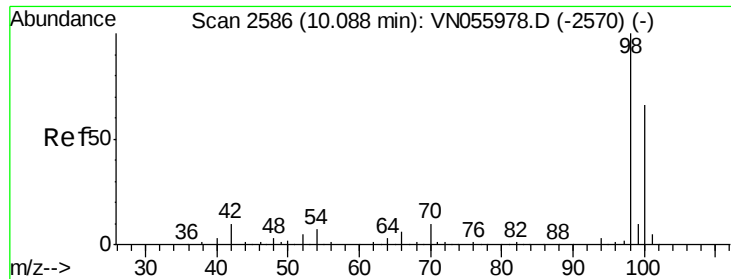
Tot Ion: 63 Resp: 1184
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.6 36.8#



#48
 Methyl methacrylate
 Concen: 2.243 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: VN056269.D
 Acq: 12 Jun 2019 23:23

Tgt Ion: 41 Resp: 6238
 Ion Ratio Lower Upper
 41 100
 69 0.0 71.0 106.6#
 39 0.0 44.2 66.2#





#50

Toluene-d8

Concen: 51.719 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056269.D

Acq: 12 Jun 2019 23:23

Instrument :

MSVOA_N

ClientSampled :

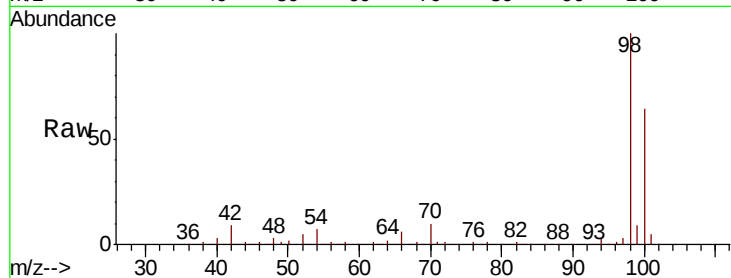
OR-03-061119-A

Tot Ion: 98 Resp: 559850

Ion Ratio Lower Upper

98 100

100 63.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

10.09

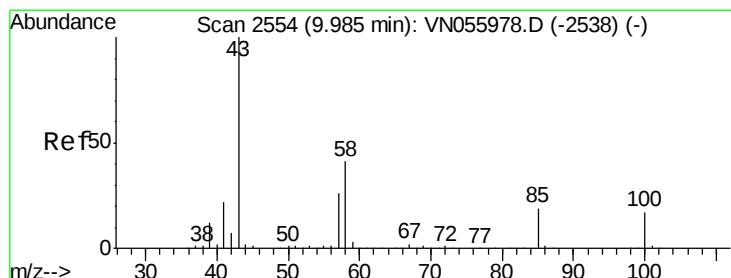
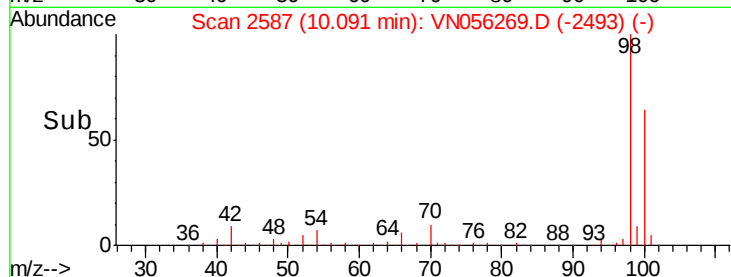
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.570 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN056269.D

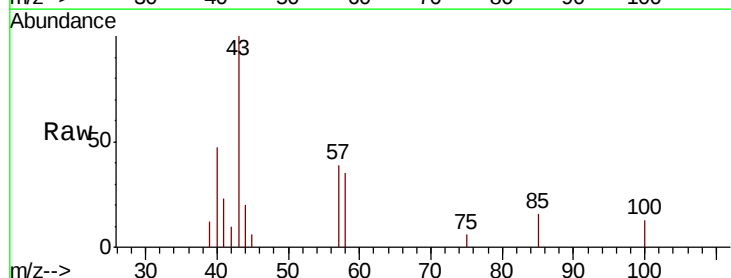
Acq: 12 Jun 2019 23:23

Tgt Ion: 43 Resp: 5581

Ion Ratio Lower Upper

43 100

58 33.6 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2538) (-)

9.99

4000

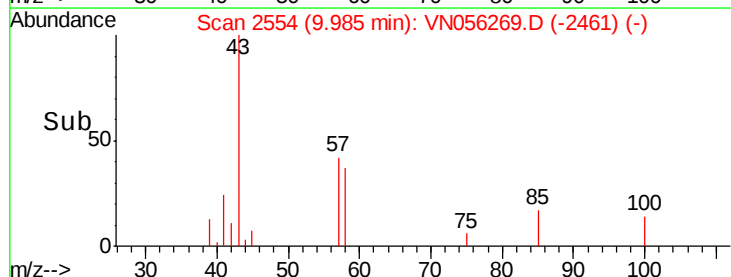
3000

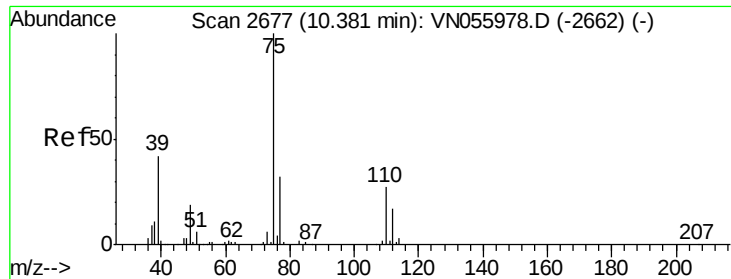
2000

1000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 2.436 ug/l

RT: 10.39 min Scan# 2679

Delta R.T. 0.01 min

Lab File: VN056269.D

Acq: 12 Jun 2019 23:23

Instrument :

MSVOA_N

ClientSampleId :

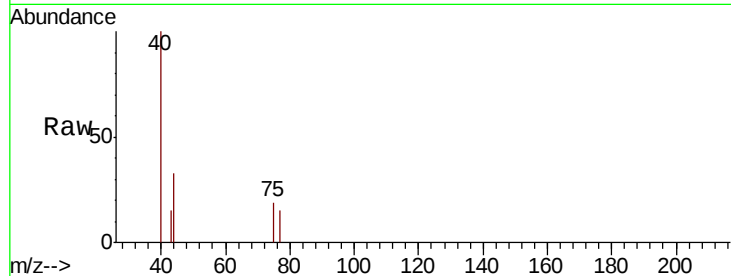
OR-03-061119-A

Tot Ion: 75 Resp: 172

Ion Ratio Lower Upper

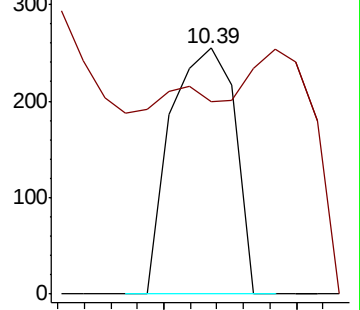
75 100

77 4.7 25.8 38.6#

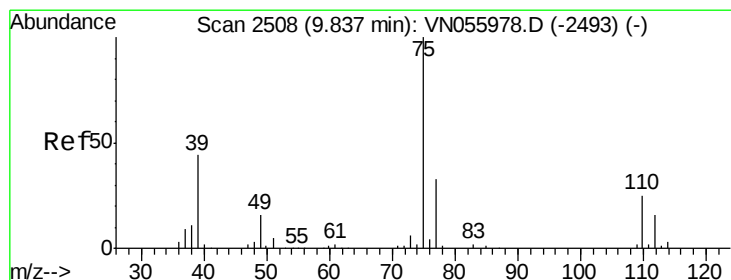
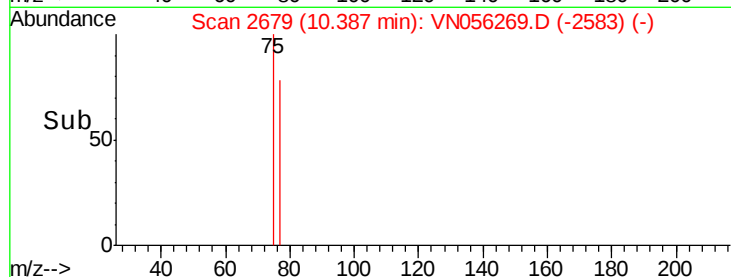


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 9.027 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN056269.D

Acq: 12 Jun 2019 23:23

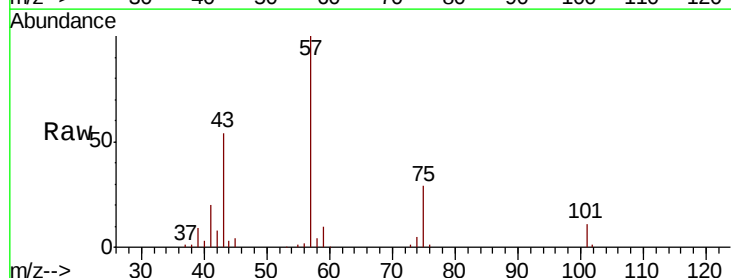
Tgt Ion: 75 Resp: 39444

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

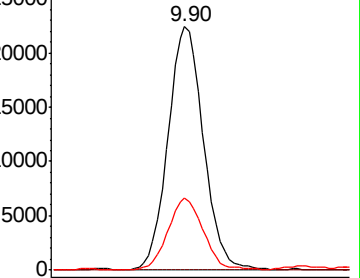
39 29.4 36.3 54.5#



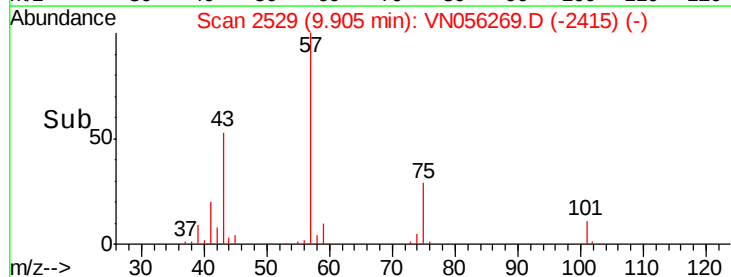
Abundance Ion 74.90 (74.60 to 75.60): VN0

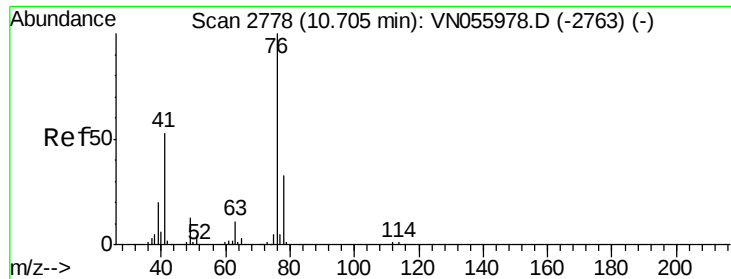
Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->

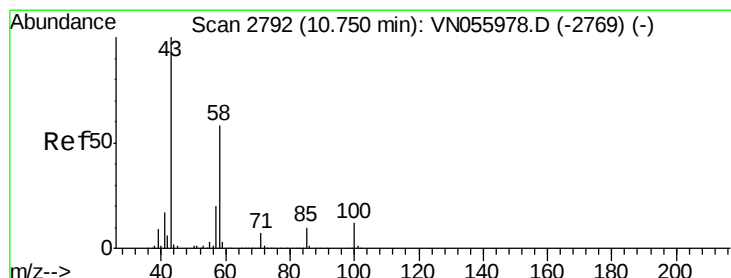
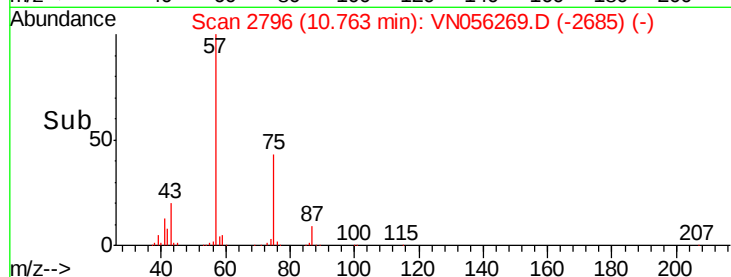
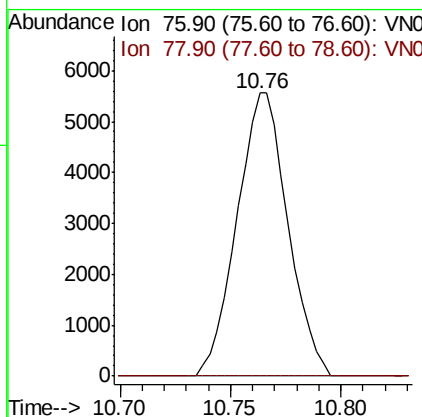
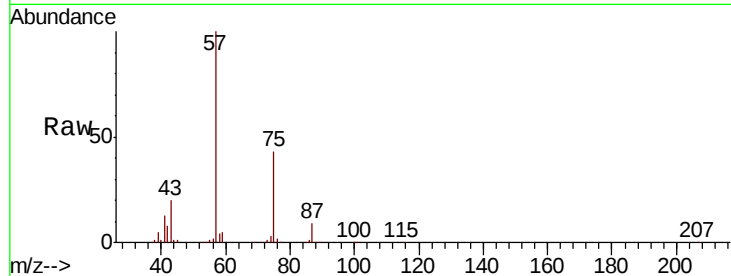




#57
 1,3-Dichloropropane
 Concen: 1.857 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN056269.D
 Acq: 12 Jun 2019 23:23

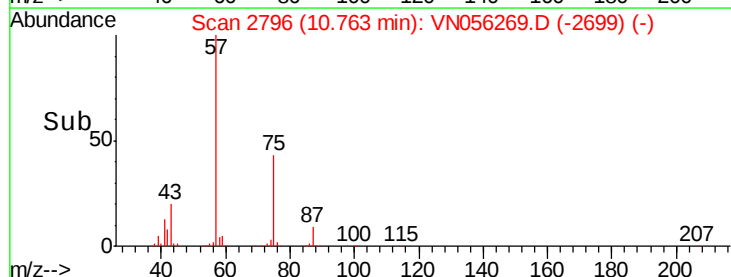
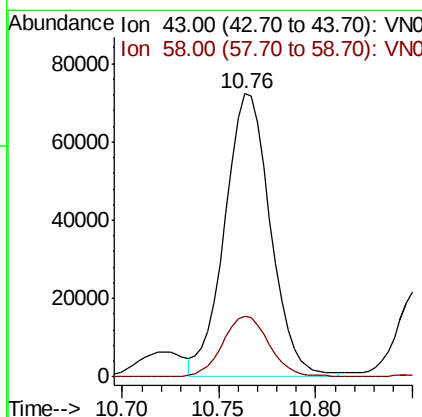
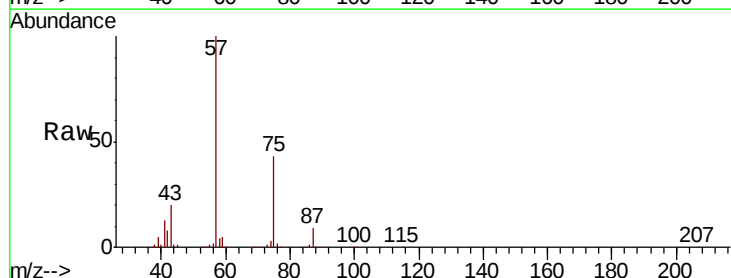
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-03-061119-A

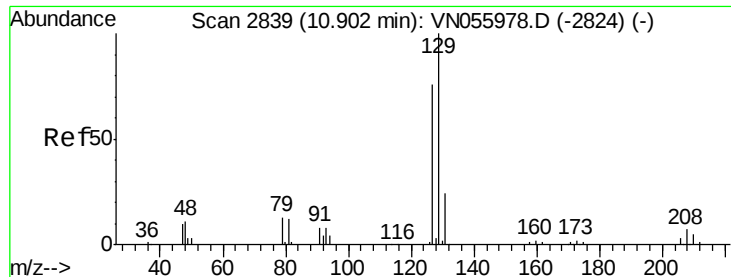
Tot Ion: 76 Resp: 8909
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 45.877 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN056269.D
 Acq: 12 Jun 2019 23:23

Tgt Ion: 43 Resp: 118200
 Ion Ratio Lower Upper
 43 100
 58 22.1 28.2 84.7#





#60

Dibromochloromethane

Concen: 2.613 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN056269.D

Acq: 12 Jun 2019 23:23

Instrument :

MSVOA_N

ClientSampleId :

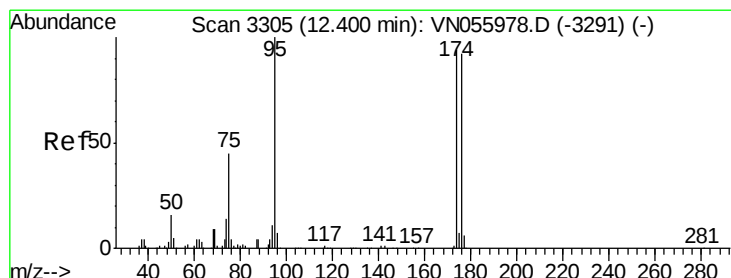
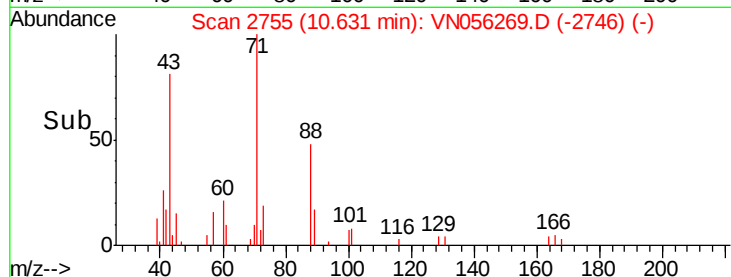
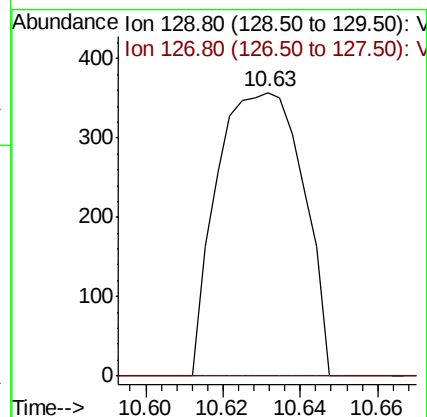
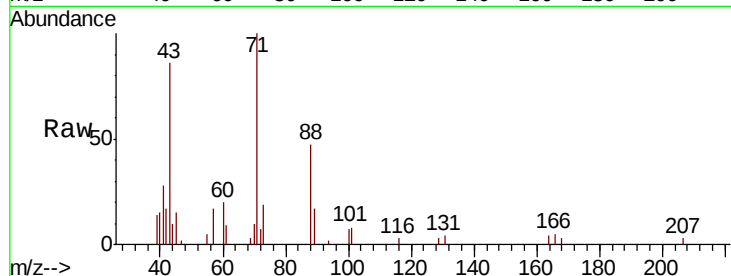
OR-03-061119-A

Tot Ion:129 Resp: 550

Ion Ratio Lower Upper

129 100

127 0.0 38.1 114.3#



#62

4-Bromofluorobenzene

Concen: 49.886 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056269.D

Acq: 12 Jun 2019 23:23

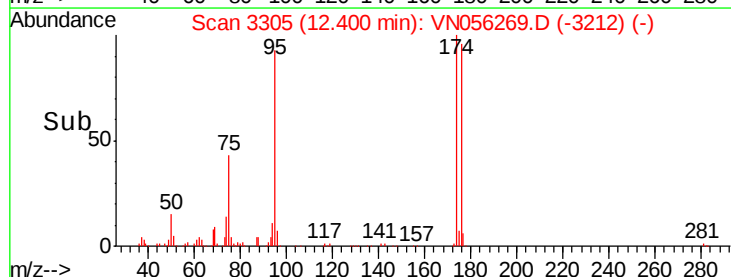
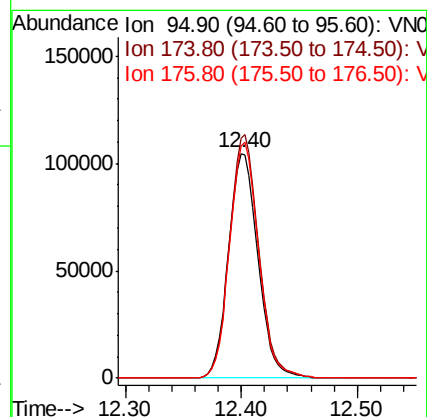
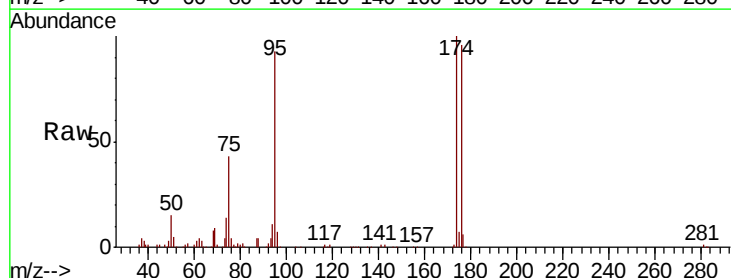
Tgt Ion: 95 Resp: 183644

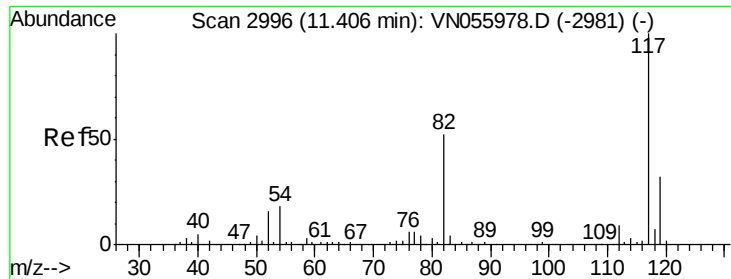
Ion Ratio Lower Upper

95 100

174 107.2 0.0 191.0

176 103.5 0.0 185.2

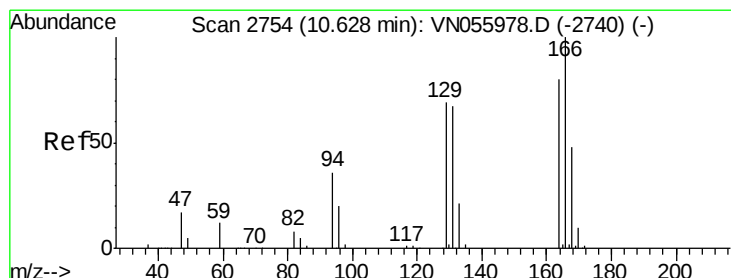
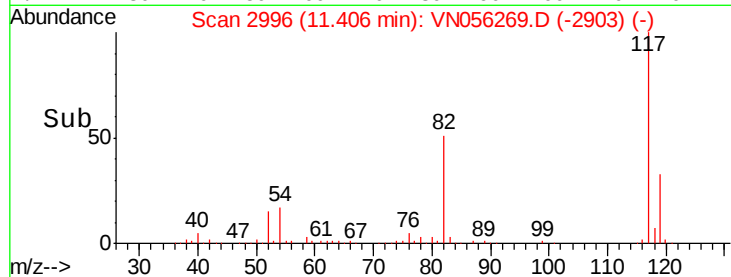
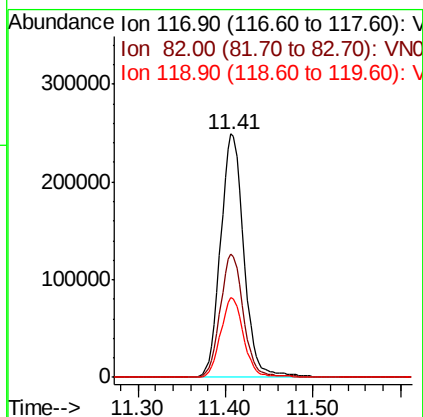
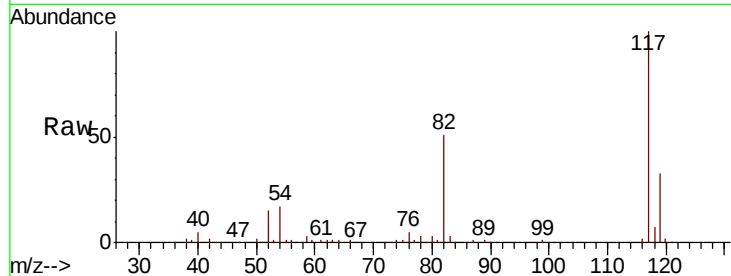




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056269.D
Acq: 12 Jun 2019 23:23

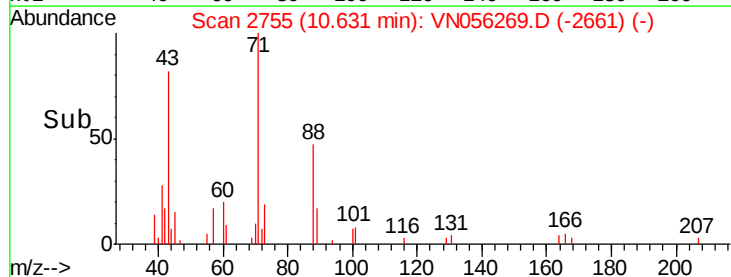
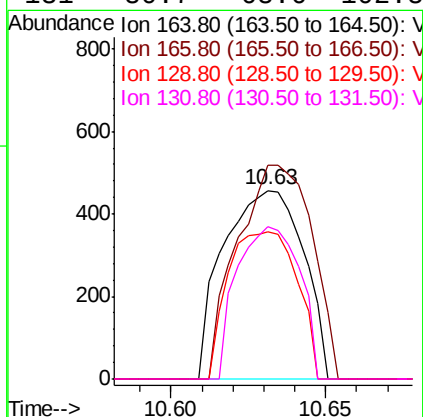
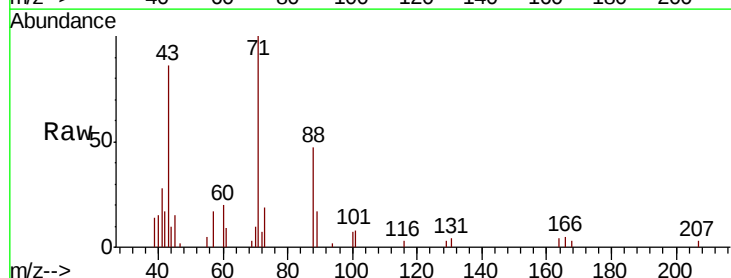
Instrument :
MSVOA_N
ClientSampleId :
OR-03-061119-A

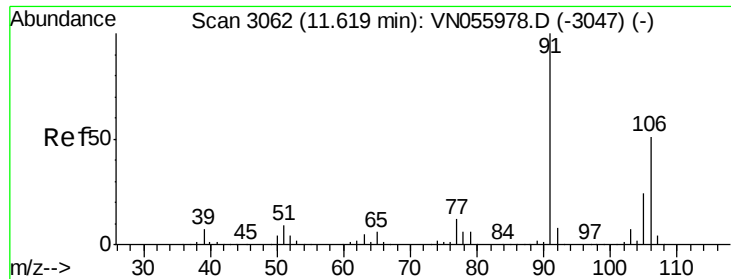
Tot Ion:117 Resp: 460545
Ion Ratio Lower Upper
117 100
82 50.9 41.8 62.8
119 32.5 25.4 38.0



#64
Tetrachloroethene
Concen: 0.206 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056269.D
Acq: 12 Jun 2019 23:23

Tgt Ion:164 Resp: 821
Ion Ratio Lower Upper
164 100
166 113.1 103.0 154.6
129 78.1 70.6 105.8
131 80.7 68.6 102.8

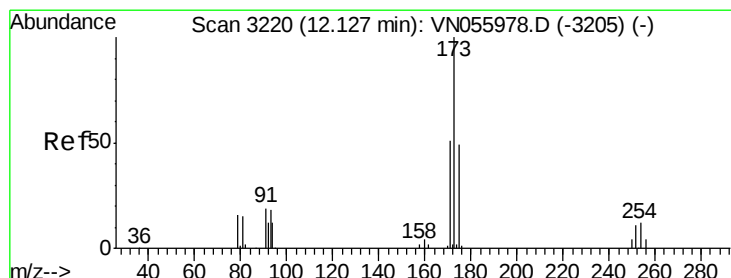
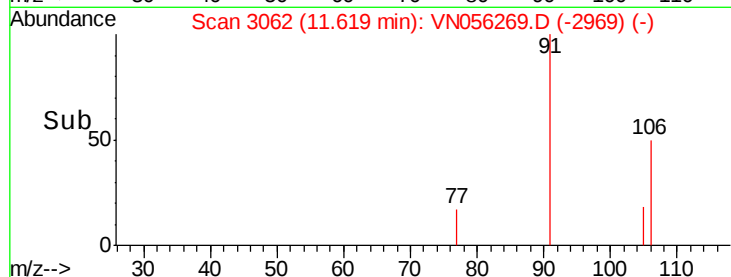
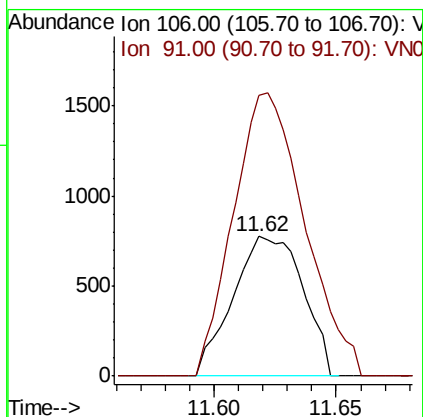
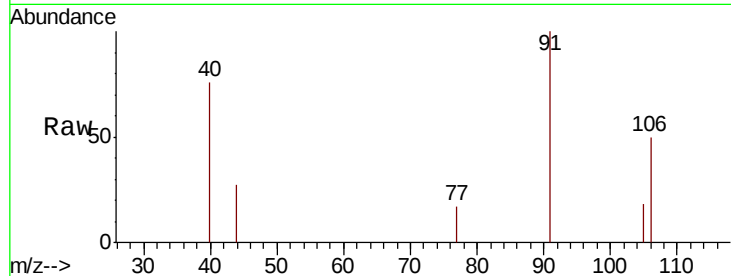




#68
m/p-Xvlenes
Concen: 0.254 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056269.D
Acq: 12 Jun 2019 23:23

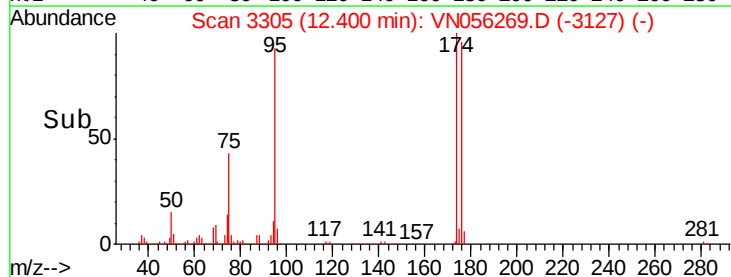
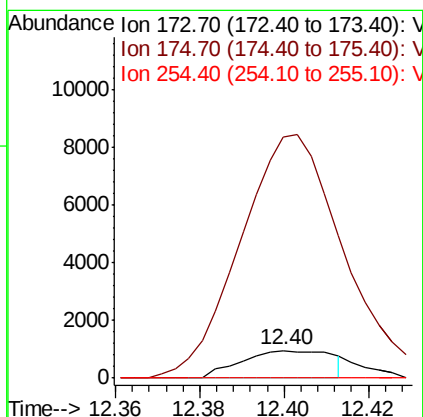
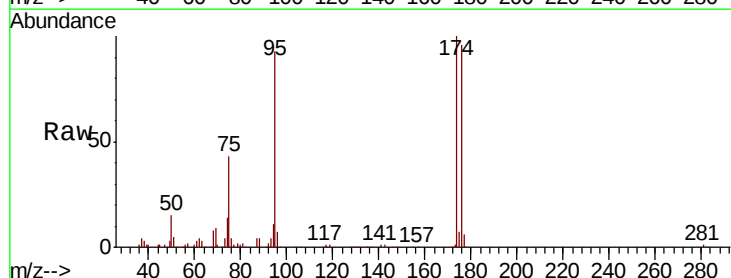
Instrument :
MSVOA_N
ClientSampleId :
OR-03-061119-A

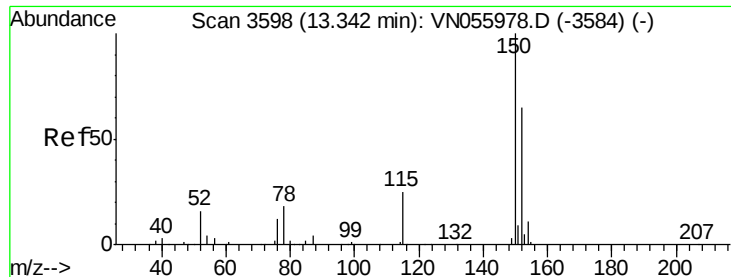
Tot Ion:106 Resp: 1546
Ion Ratio Lower Upper
106 100
91 206.2 159.3 238.9



#71
Bromoform
Concen: 3.255 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056269.D
Acq: 12 Jun 2019 23:23

Tgt Ion:173 Resp: 1442
Ion Ratio Lower Upper
173 100
175 845.5 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: VN056269.D

Acq: 12 Jun 2019 23:23

Instrument :

MSVOA_N

ClientSampleId :

OR-03-061119-A

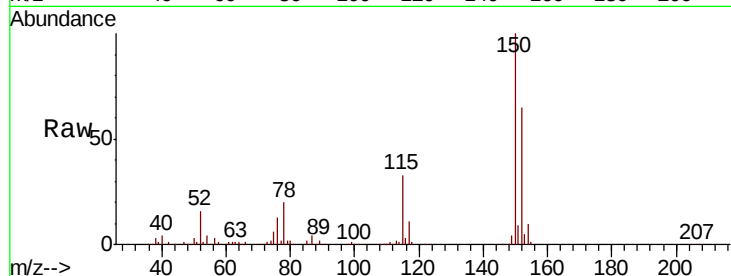
Tot Ion:152 Resp: 167414

Ion Ratio Lower Upper

152 100

115 50.8 27.0 81.0

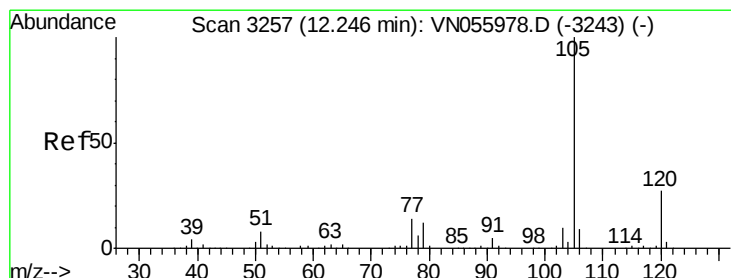
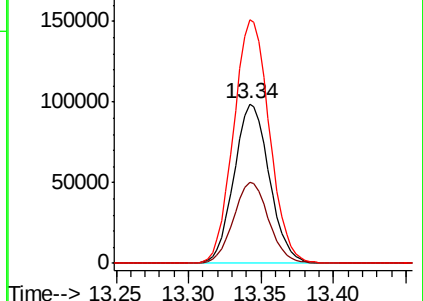
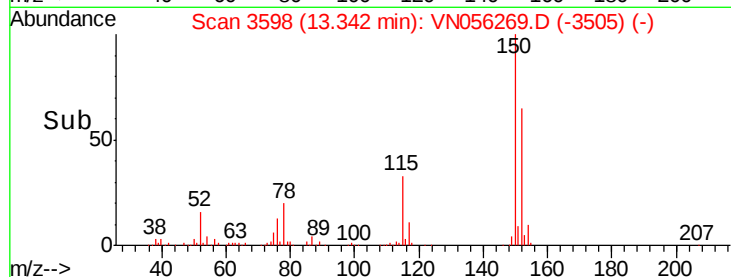
150 155.4 0.0 343.2



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# 3257

Delta R.T. 0.00 min

Lab File: VN056269.D

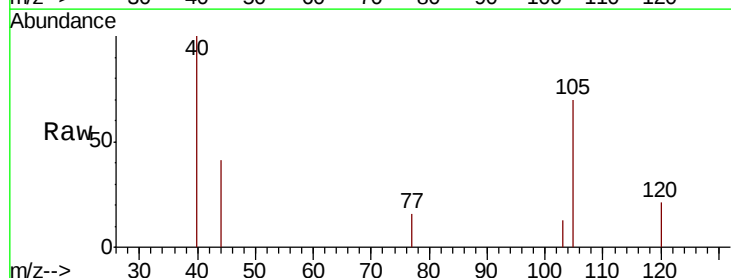
Acq: 12 Jun 2019 23:23

Tgt Ion:105 Resp: 1651

Ion Ratio Lower Upper

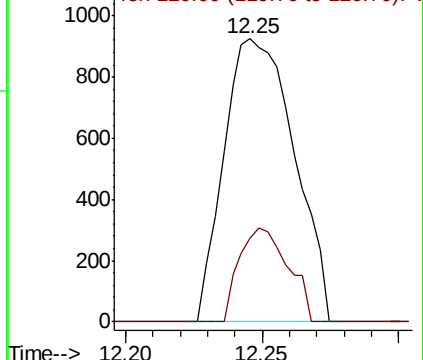
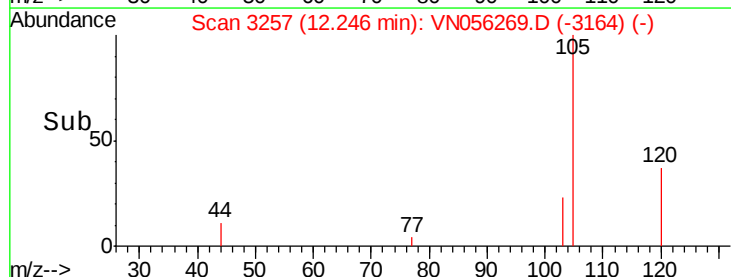
105 100

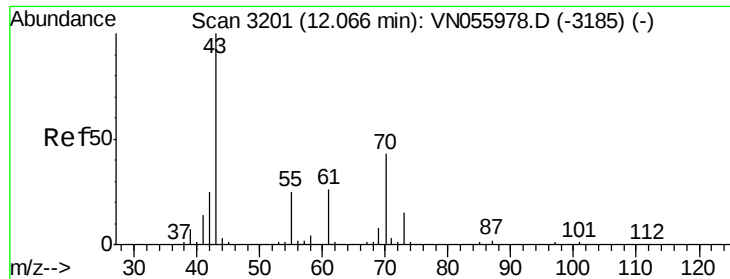
120 23.3 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.400 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.01 min

Lab File: VN056269.D

Acq: 12 Jun 2019 23:23

Instrument :

MSVOA_N

ClientSampleId :

OR-03-061119-A

Tot Ion: 43 Resp: 1787

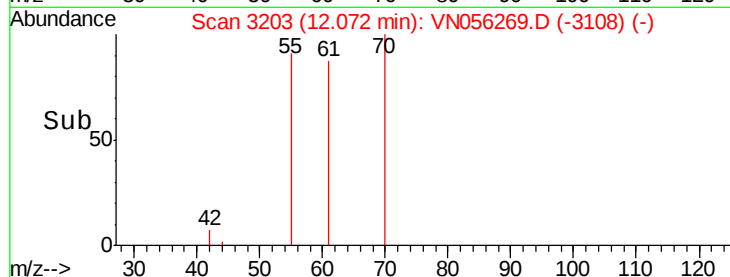
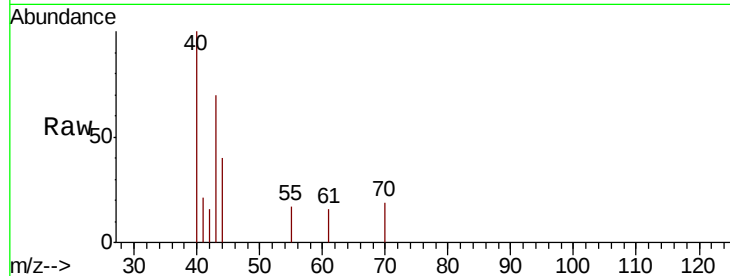
Ion Ratio Lower Upper

43 100

70 12.4 34.0 51.0#

55 16.0 18.6 28.0#

61 10.5 20.0 30.0#

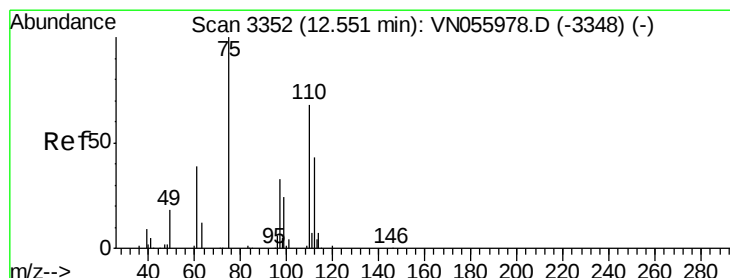
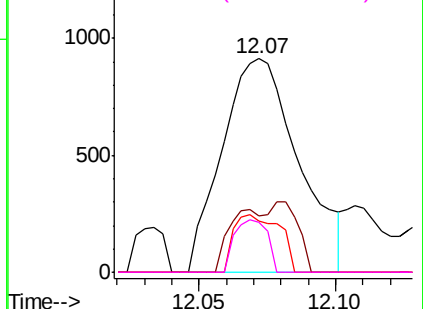


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 27.080 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056269.D

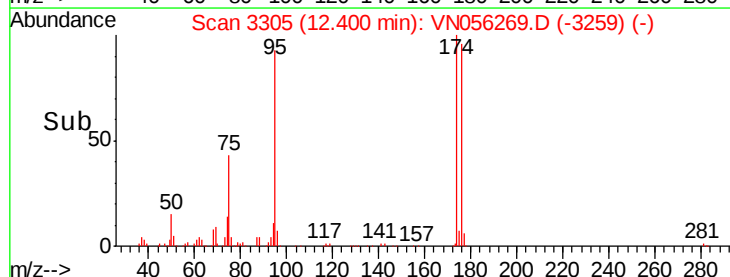
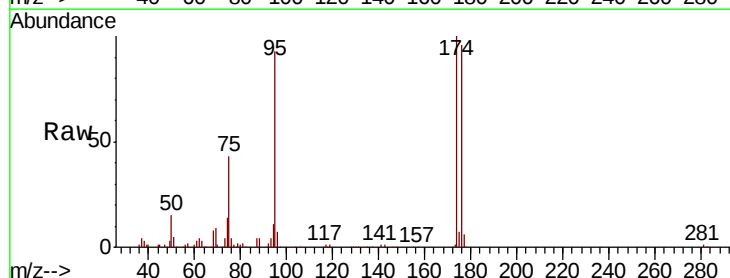
Acq: 12 Jun 2019 23:23

Tgt Ion: 75 Resp: 83420

Ion Ratio Lower Upper

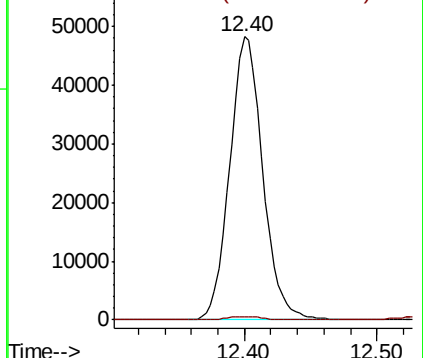
75 100

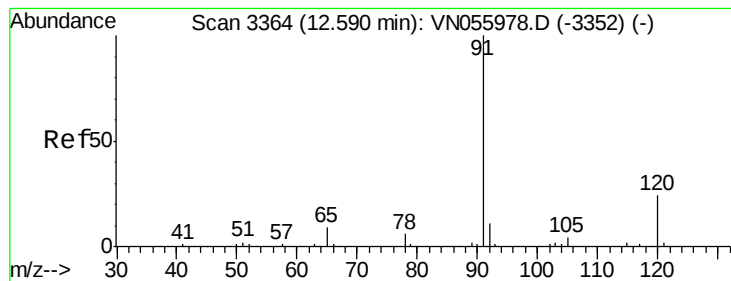
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#78

n-propylbenzene

Concen: 0.219 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056269.D

Acq: 12 Jun 2019 23:23

Instrument :

MSVOA_N

ClientSampled :

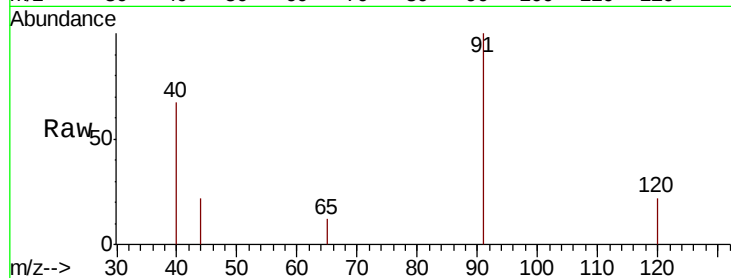
OR-03-061119-A

Tot Ion: 91 Resp: 3108

Ion Ratio Lower Upper

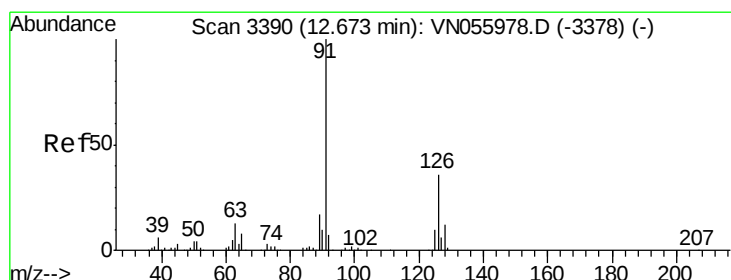
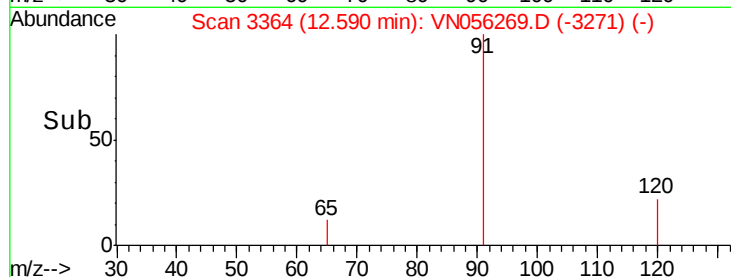
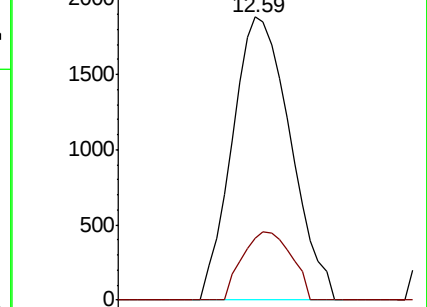
91 100

120 20.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.77 min Scan# 3421

Delta R.T. 0.10 min

Lab File: VN056269.D

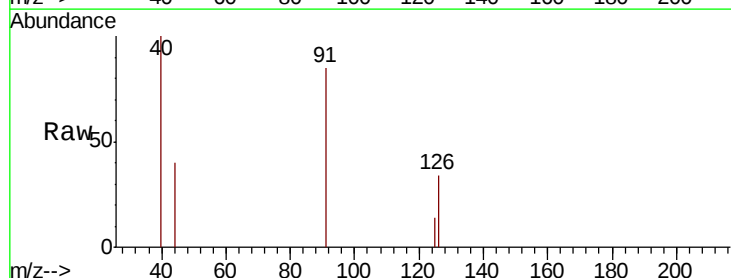
Acq: 12 Jun 2019 23:23

Tgt Ion: 91 Resp: 2230

Ion Ratio Lower Upper

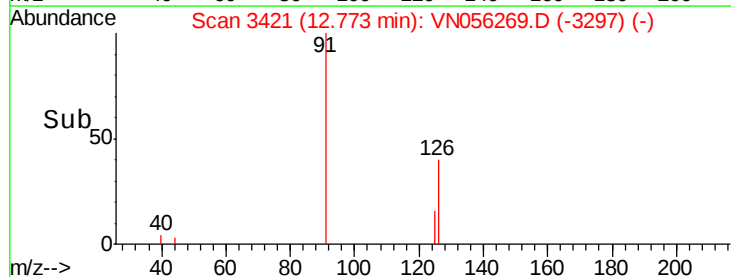
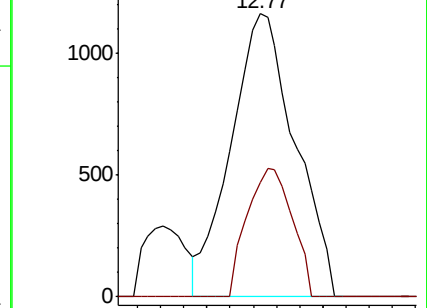
91 100

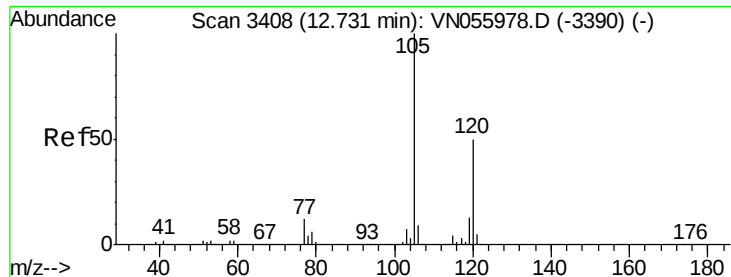
126 31.9 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.401 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056269.D

Acq: 12 Jun 2019 23:23

Instrument :

MSVOA_N

ClientSampleId :

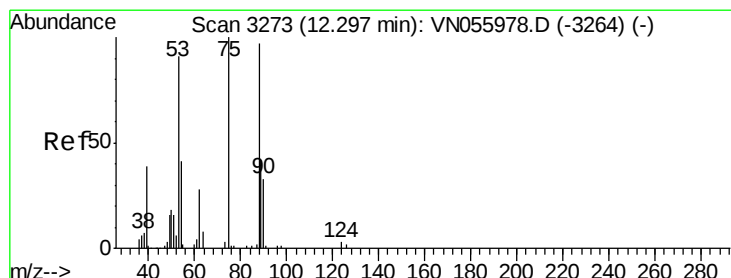
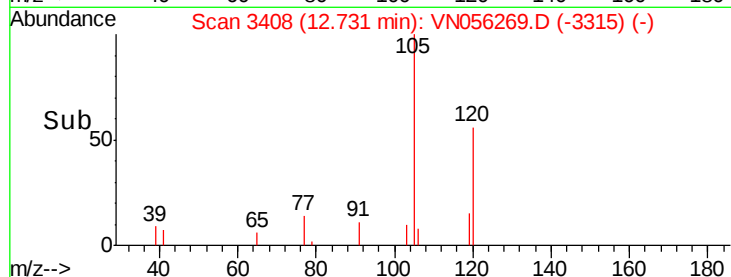
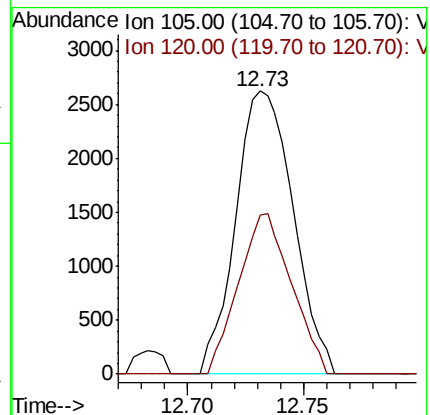
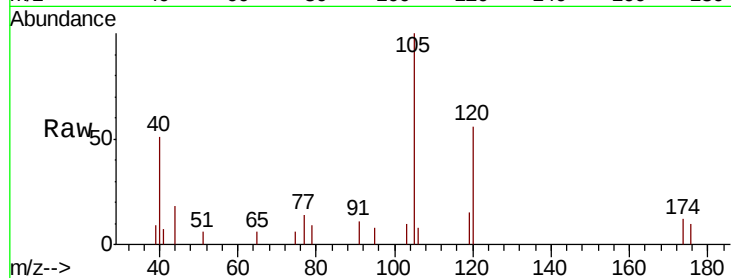
OR-03-061119-A

Tot Ion:105 Resp: 4516

Ion Ratio Lower Upper

105 100

120 52.3 24.7 74.1



#81

trans-1,4-Dichloro-2-butene

Concen: 90.182 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056269.D

Acq: 12 Jun 2019 23:23

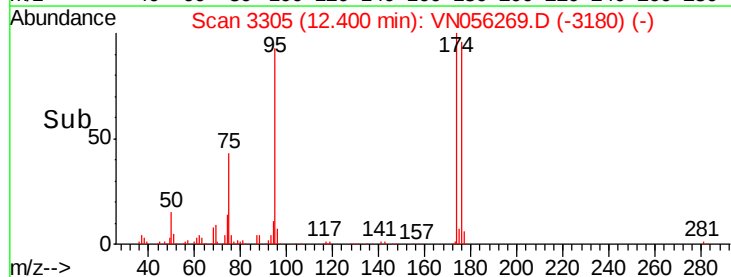
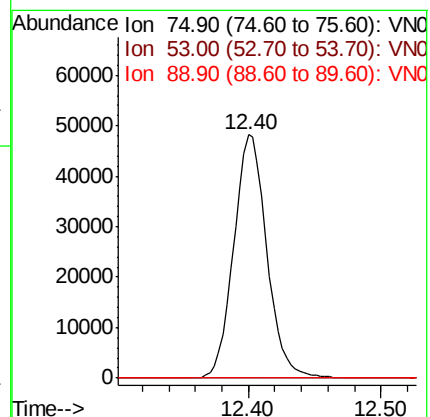
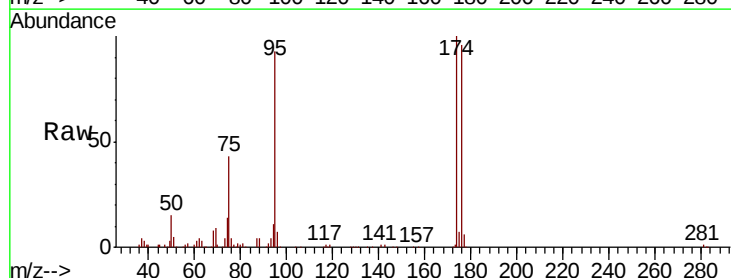
Tgt Ion: 75 Resp: 83420

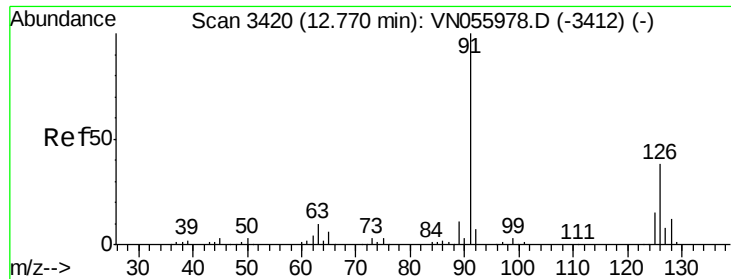
Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#

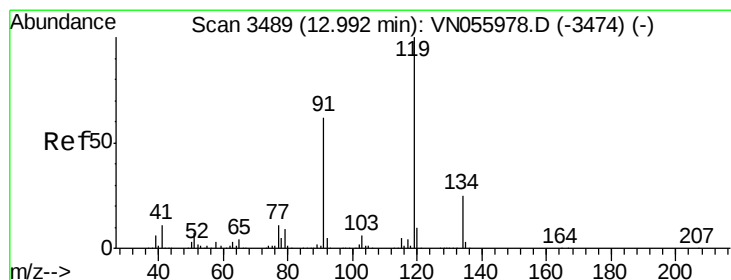
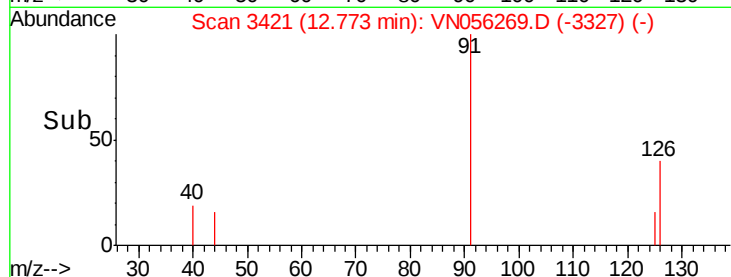
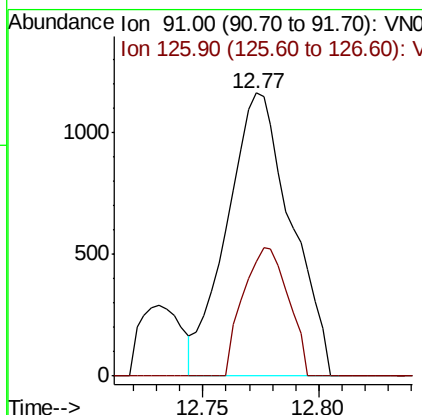
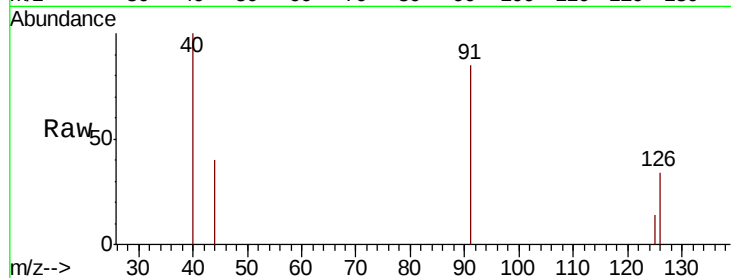




#82
4-Chlorotoluene
Concen: 0.269 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056269.D
Acq: 12 Jun 2019 23:23

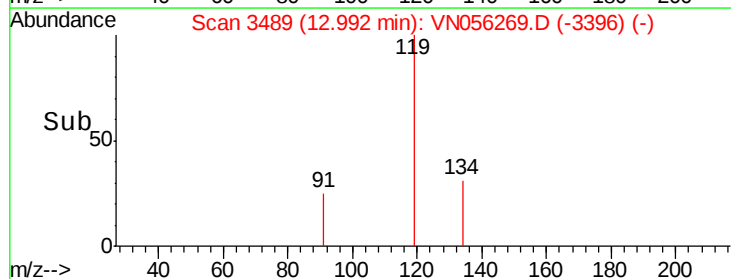
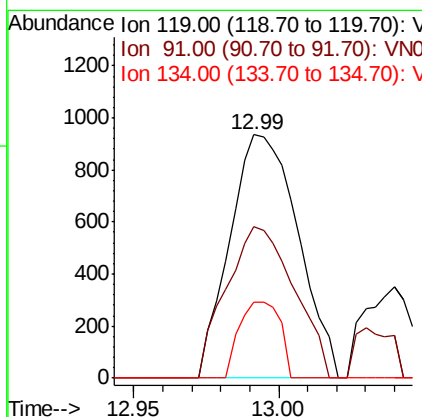
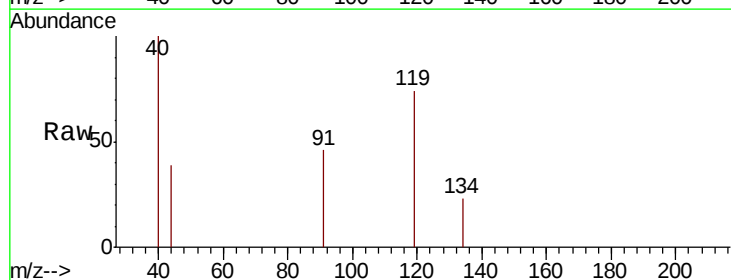
Instrument :
MSVOA_N
ClientSampled :
OR-03-061119-A

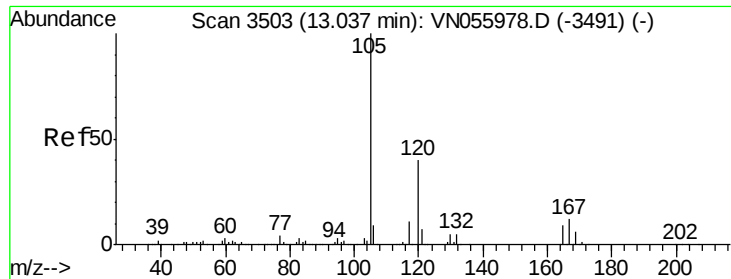
Tot Ion: 91 Resp: 2230
Ion Ratio Lower Upper
91 100
126 31.9 17.8 53.3



#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056269.D
Acq: 12 Jun 2019 23:23

Tgt Ion: 119 Resp: 1526
Ion Ratio Lower Upper
119 100
91 61.9 30.9 92.8
134 18.7 13.3 39.8

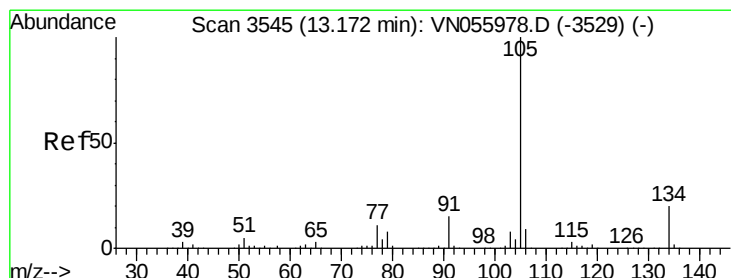
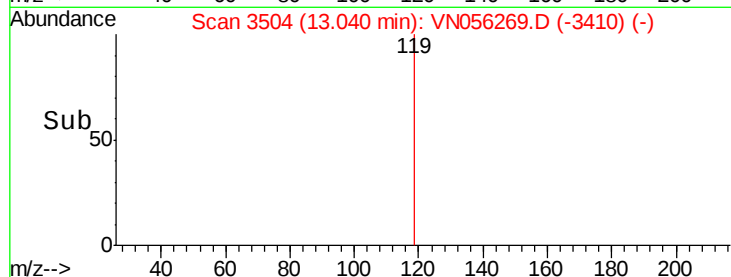
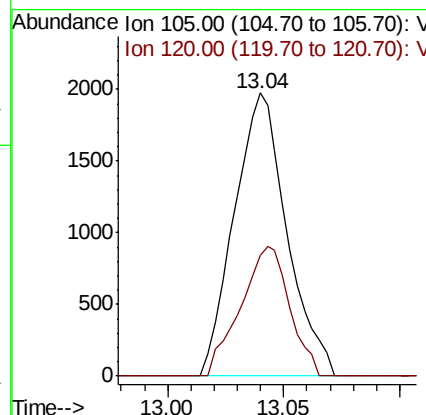
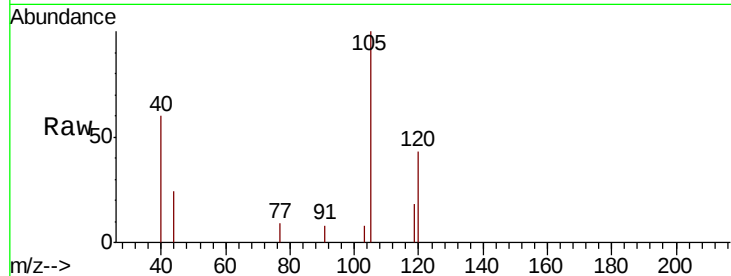




#84
 1,2,4-Trimethylbenzene
 Concen: 0.291 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056269.D
 Acq: 12 Jun 2019 23:23

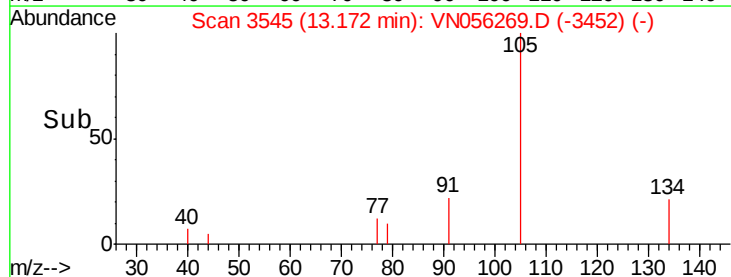
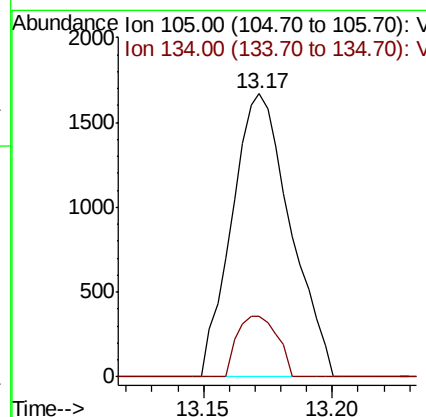
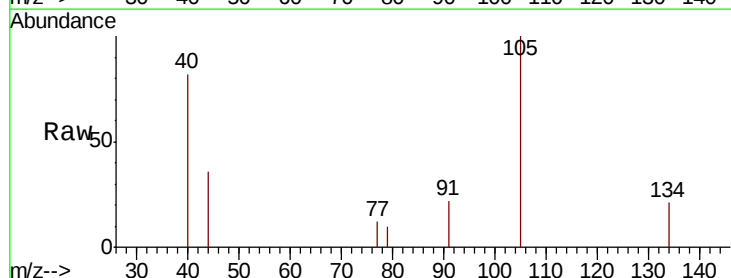
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-03-061119-A

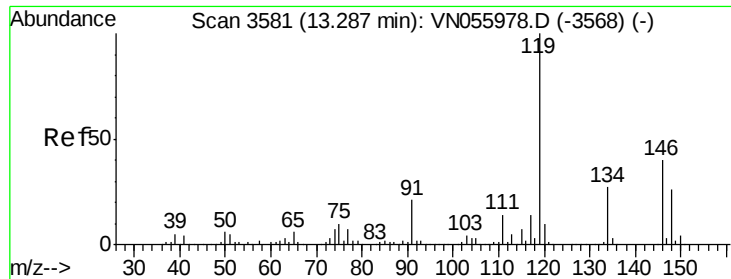
Tot Ion:105 Resp: 3110
 Ion Ratio Lower Upper
 105 100
 120 42.8 23.0 69.0



#85
 sec-Butylbenzene
 Concen: 0.210 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN056269.D
 Acq: 12 Jun 2019 23:23

Tgt Ion:105 Resp: 2637
 Ion Ratio Lower Upper
 105 100
 134 14.8 10.4 31.2

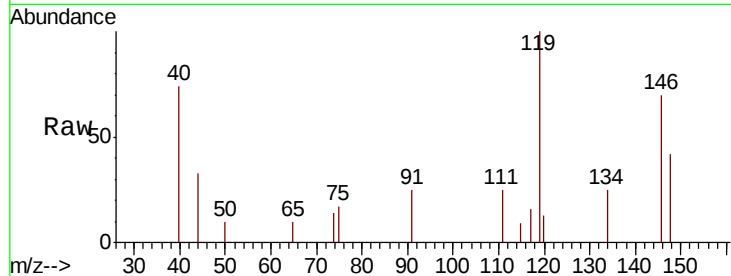




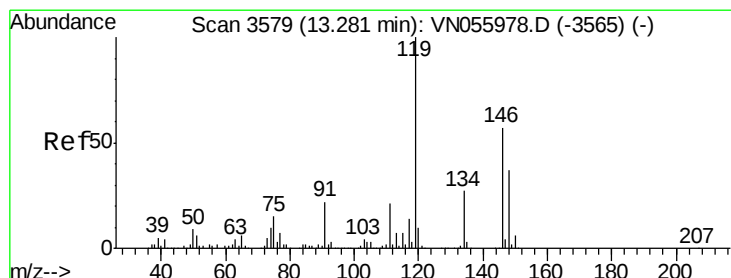
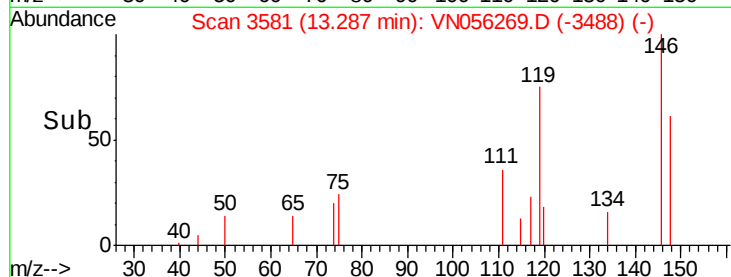
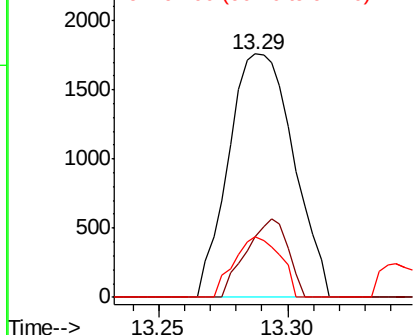
#86
 p-Isopropyltoluene
 Concen: 0.275 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056269.D
 Acq: 12 Jun 2019 23:23

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-03-061119-A

Tot Ion:119 Resp: 3086
 Ion Ratio Lower Upper
 119 100
 134 20.9 13.4 40.1
 91 17.7 10.9 32.9

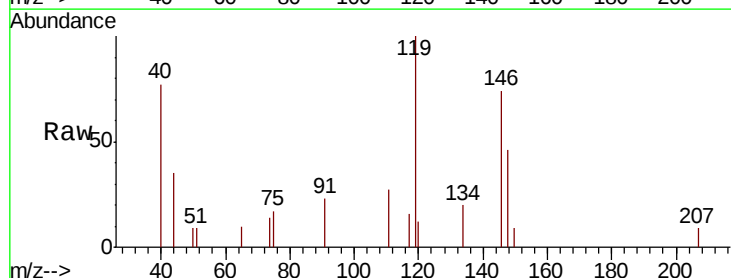


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

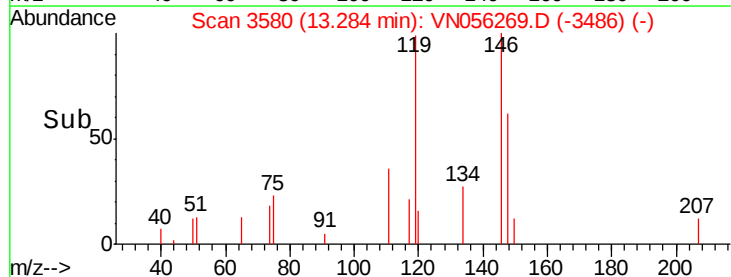
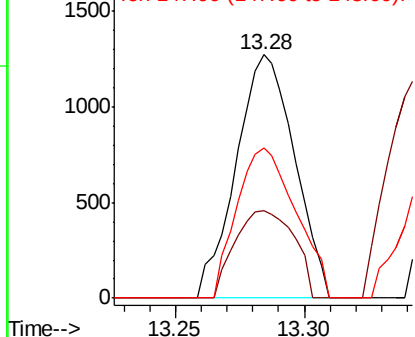


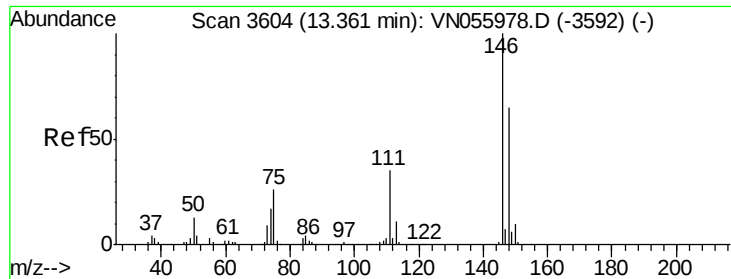
#87
 1,3-Dichlorobenzene
 Concen: 0.363 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN056269.D
 Acq: 12 Jun 2019 23:23

Tgt Ion:146 Resp: 2014
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.5 55.5
 148 62.3 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

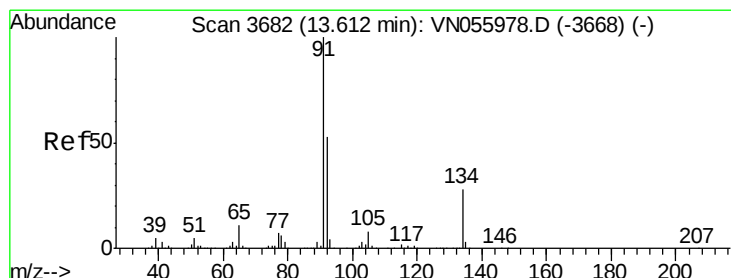
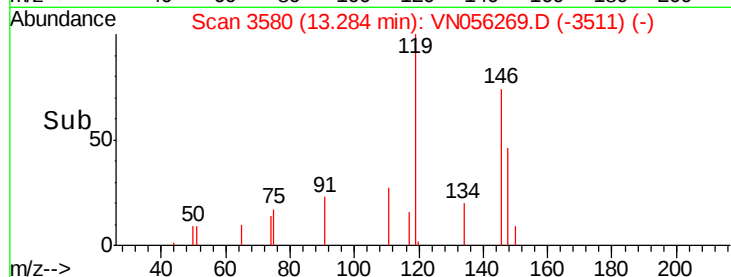
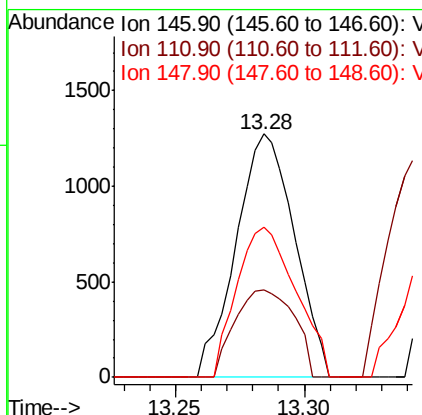
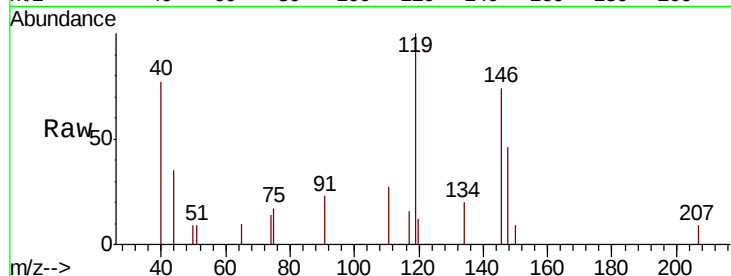




#88
 1,4-Dichlorobenzene
 Concen: 0.377 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN056269.D
 Acq: 12 Jun 2019 23:23

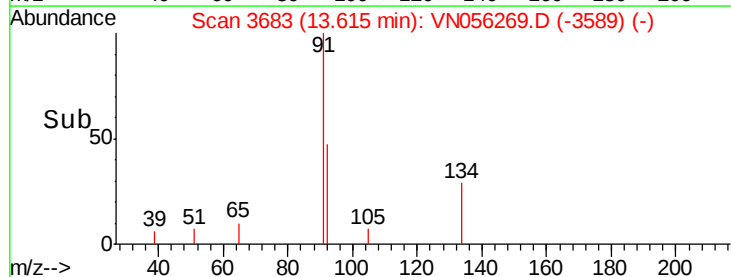
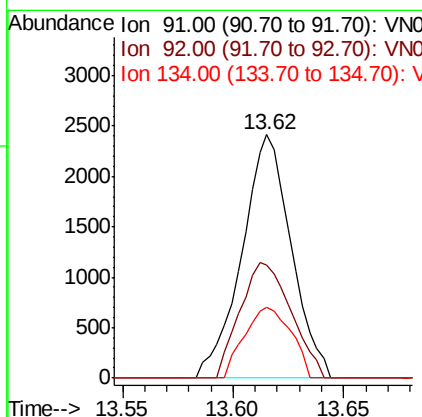
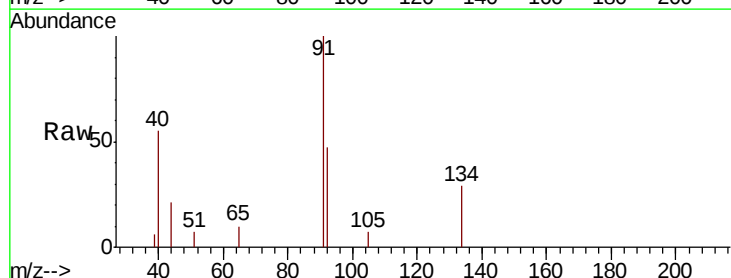
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-03-061119-A

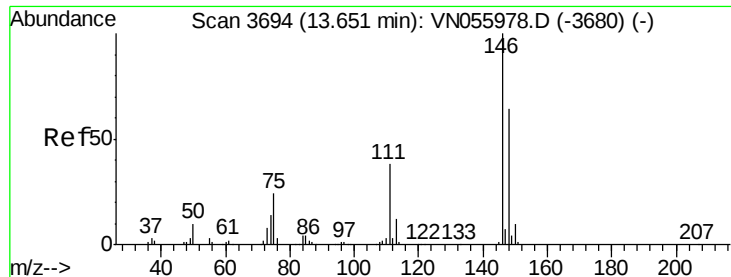
Tot Ion:146 Resp: 2014
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.1 54.4
 148 62.3 32.1 96.5



#89
 n-Butylbenzene
 Concen: 0.449 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN056269.D
 Acq: 12 Jun 2019 23:23

Tgt Ion: 91 Resp: 3732
 Ion Ratio Lower Upper
 91 100
 92 49.2 26.4 79.0
 134 27.5 13.9 41.7

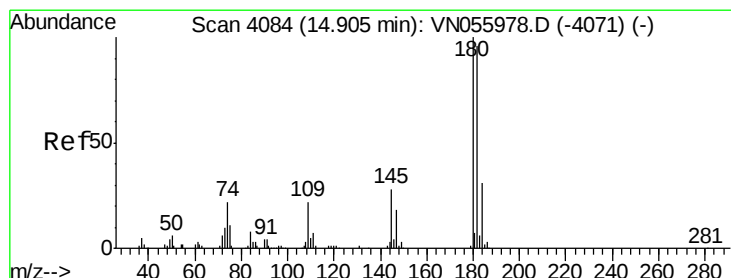
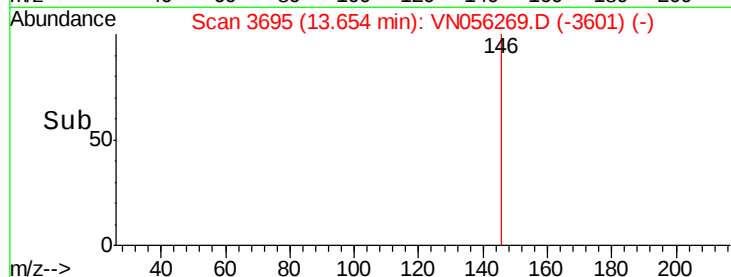
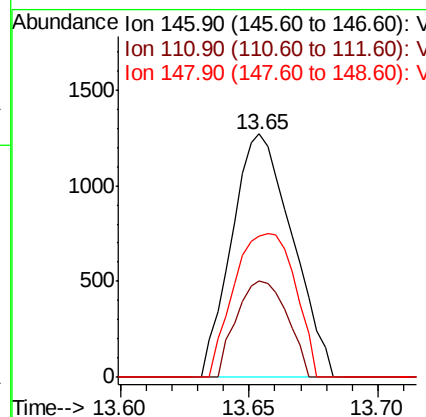
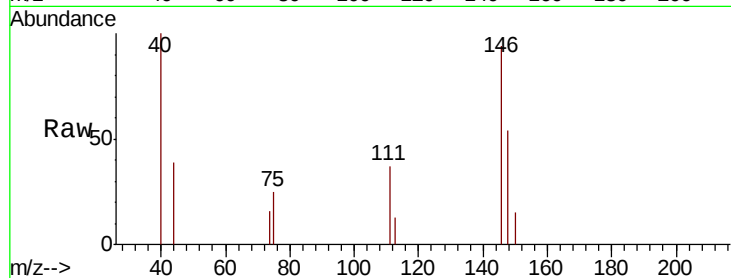




#91
 1,2-Dichlorobenzene
 Concen: 0.370 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056269.D
 Acq: 12 Jun 2019 23:23

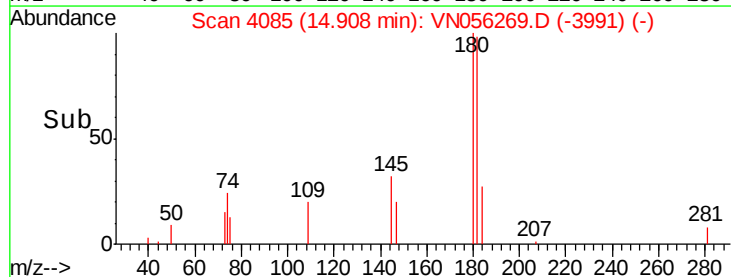
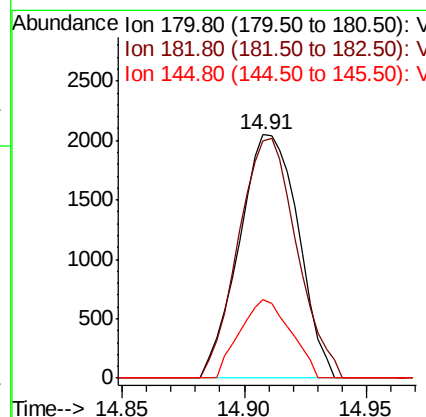
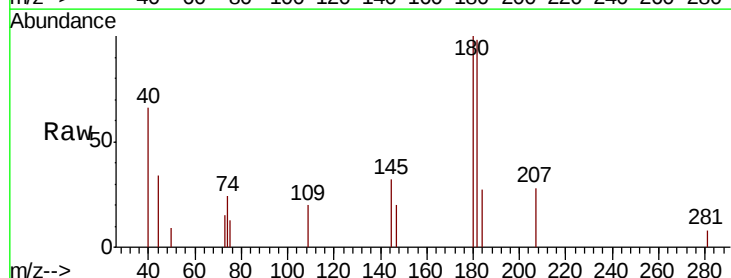
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-03-061119-A

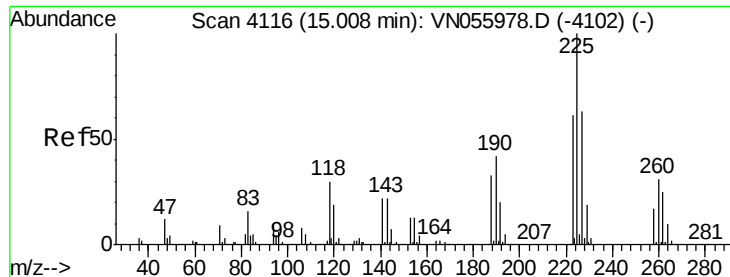
Tot Ion:146 Resp: 2073
 Ion Ratio Lower Upper
 146 100
 111 33.2 19.1 57.5
 148 59.7 31.9 95.9



#93
 1,2,4-Trichlorobenzene
 Concen: 5.289 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056269.D
 Acq: 12 Jun 2019 23:23

Tgt Ion:180 Resp: 3440
 Ion Ratio Lower Upper
 180 100
 182 97.4 48.3 144.9
 145 27.8 14.0 41.9





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN056269.D

Acq: 12 Jun 2019 23:23

Instrument :

MSVOA_N

ClientSampleId :

OR-03-061119-A

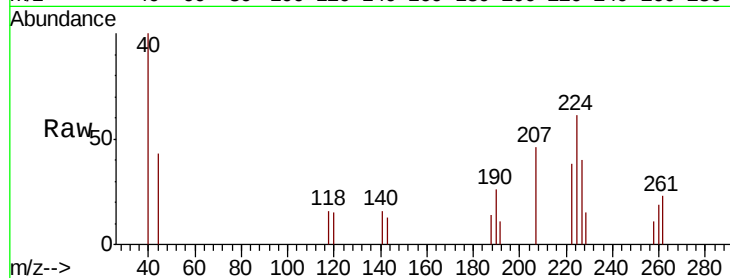
Tot Ion:225 Resp: 1515

Ion Ratio Lower Upper

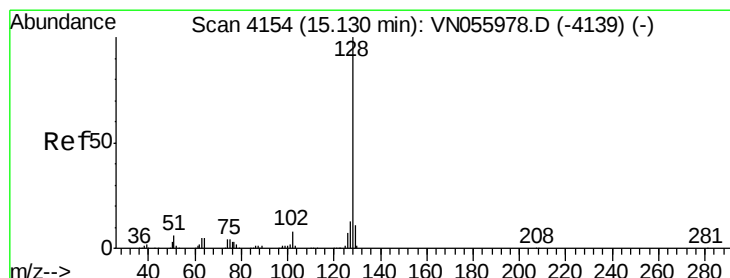
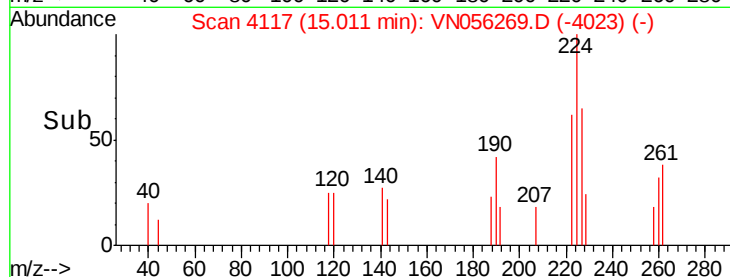
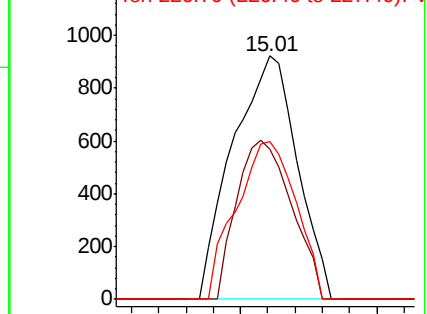
225 100

223 55.8 30.9 92.7

227 60.0 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: 8.230 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056269.D

Acq: 12 Jun 2019 23:23

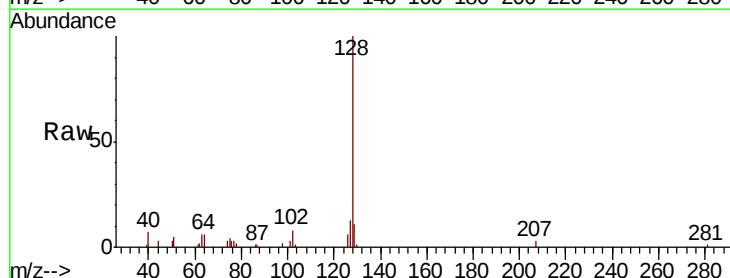
Tgt Ion:128 Resp: 37987

Ion Ratio Lower Upper

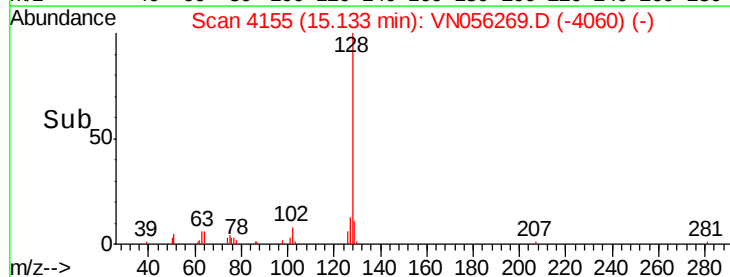
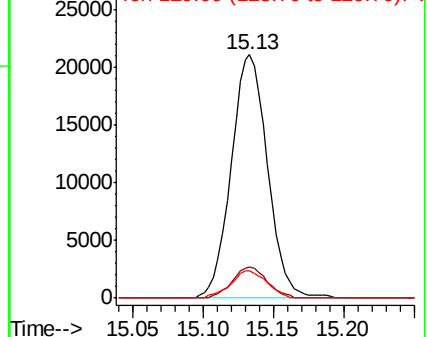
128 100

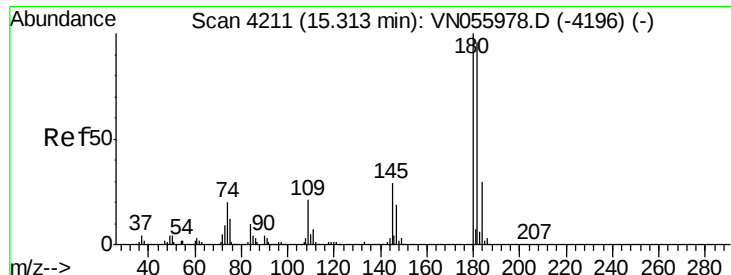
127 12.2 10.3 15.5

129 11.1 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

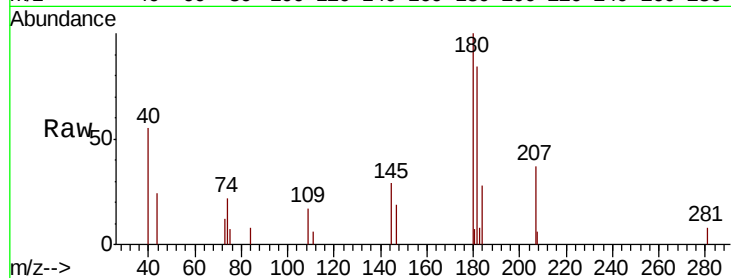




#96
 1,2,3-Trichlorobenzene
 Concen: 4.484 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN056269.D
 Acq: 12 Jun 2019 23:23

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-03-061119-A

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.9	143.7
145	29.1	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

