

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051019\
 Data File : VN055557.D
 Acq On : 10 May 2019 17:23
 Operator : JC/SP
 Sample : K2758-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IW-16

Quant Time: May 11 00:59:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	854184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1445826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1193974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	327517	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	584055	45.41	ug/l	0.00
Spiked Amount			Recovery	=	90.82%	
35) Dibromofluoromethane	7.59	113	458372	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
50) Toluene-d8	10.09	98	1734954	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
62) 4-Bromofluorobenzene	12.40	95	491883	40.14	ug/l	0.00
Spiked Amount			Recovery	=	80.28%	

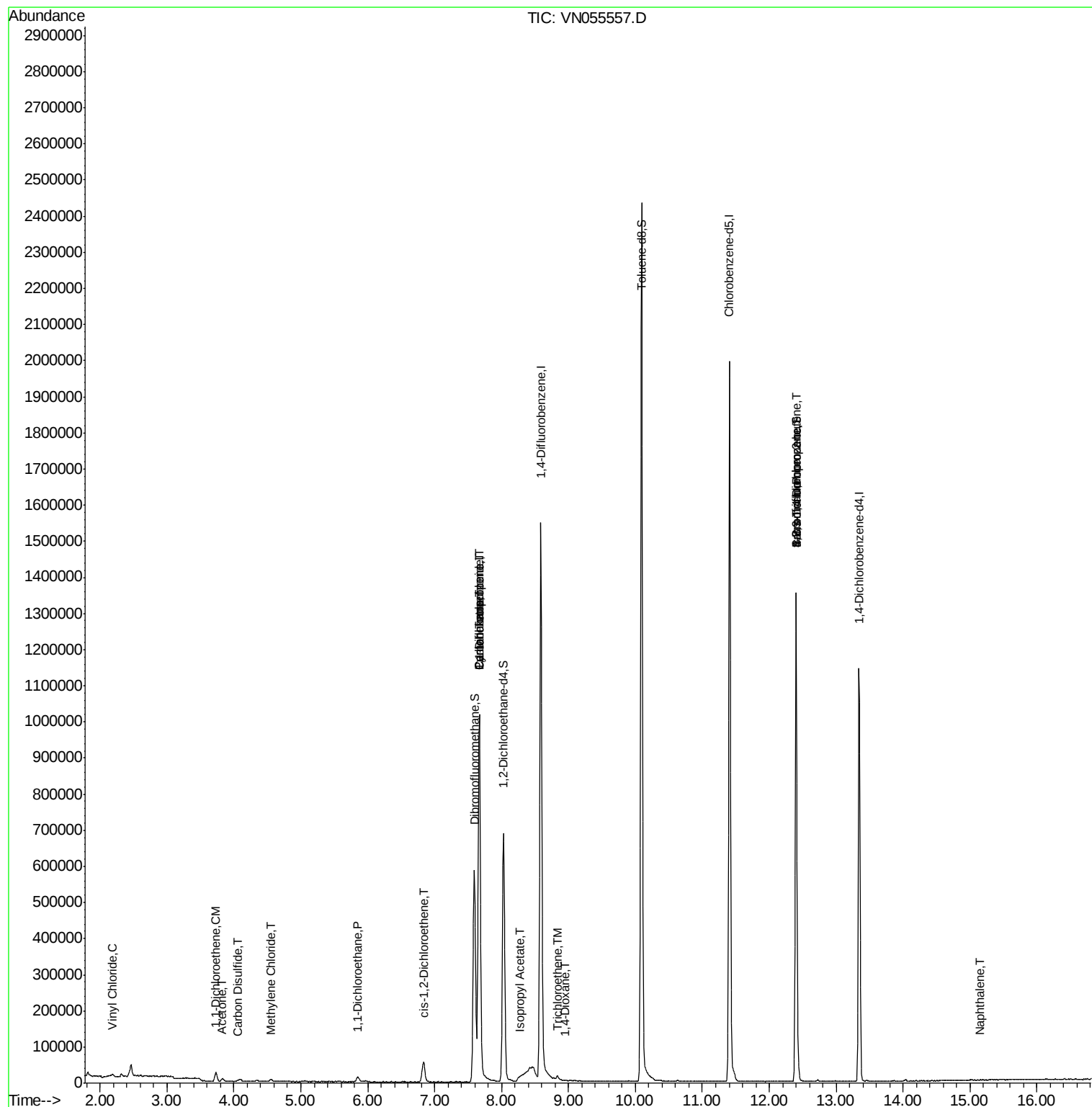
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.19	62	3991	0.299	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	12140	1.300	ug/l	82
16) Acetone	3.83	43	12676	2.129	ug/l	95
17) Carbon Disulfide	4.05	76	6316	0.248	ug/l #	75
18) Methyl Acetate	4.34	43	8771	Below Cal		92
20) Methylene Chloride	4.54	84	2642	0.217	ug/l	86
24) 1,1-Dichloroethane	5.85	63	21060	1.004	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	36268	3.100	ug/l	92
31) Cyclohexane	7.66	56	18695	0.901	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	66951	4.700	ug/l #	50
38) Carbon Tetrachloride	7.67	117	80582	6.719	ug/l #	17
43) Isopropyl Acetate	8.26	43	9920	0.420	ug/l #	63
44) Trichloroethene	8.84	130	3901	0.371	ug/l	99
49) 1,4-Dioxane	8.95	88	119	0.537	ug/l #	7
71) Bromoform	12.40	173	3790	0.664	ug/l #	1
73) Isopropylbenzene	12.25	105	248	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.42	83	208	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	245709	27.558	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	245709	101.685	ug/l #	7
95) Naphthalene	15.16	128	233	2.953	ug/l #	70

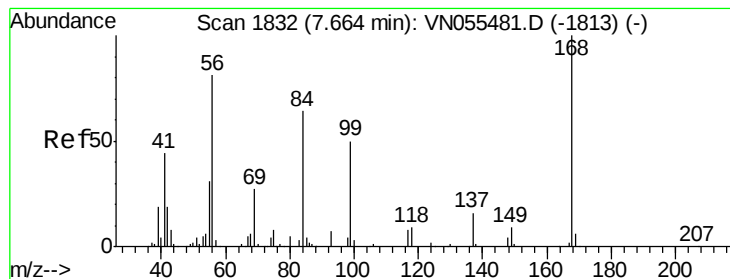
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN051019\
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Quant Time: May 11 00:59:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260
QLast Update : Fri May 10 06:48:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055557.D

Acq: 10 May 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

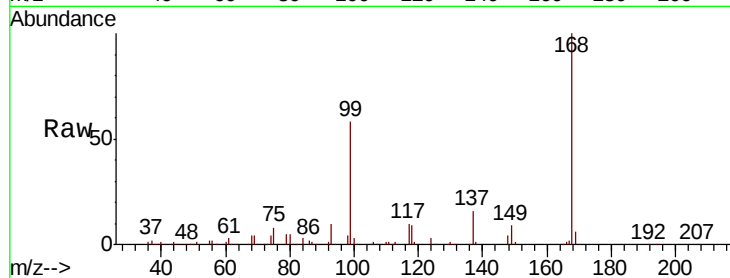
IW-16

Tot Ion:168 Resp: 854184

Ion Ratio Lower Upper

168 100

99 58.1 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

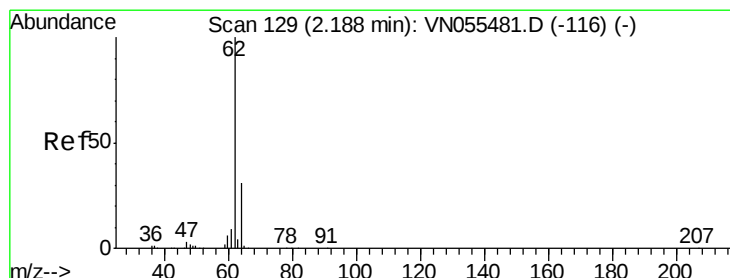
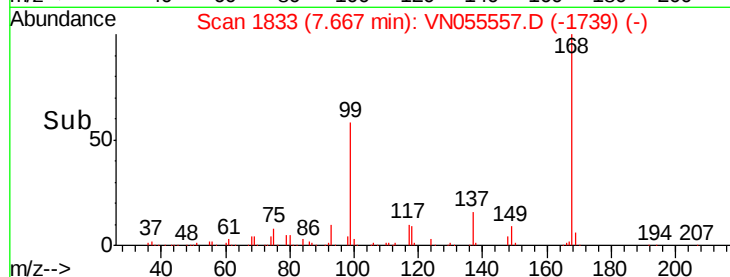
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 0.299 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055557.D

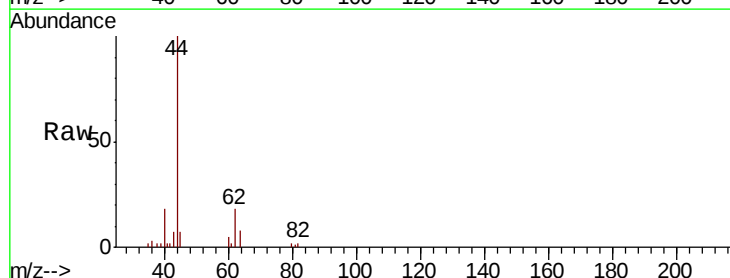
Acq: 10 May 2019 17:23

Tgt Ion: 62 Resp: 3991

Ion Ratio Lower Upper

62 100

64 38.7 25.0 37.6#



Abundance Ion 61.90 (61.60 to 62.60): VN

Ion 63.90 (63.60 to 64.60): VN

2.19

2500

2000

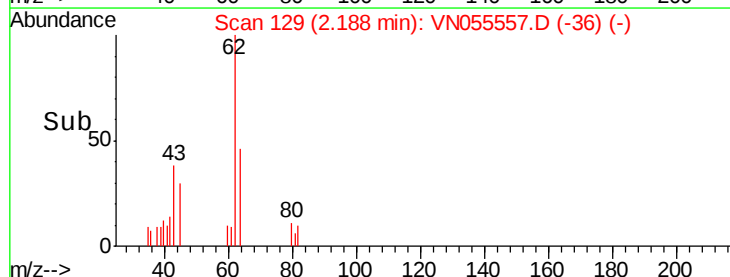
1500

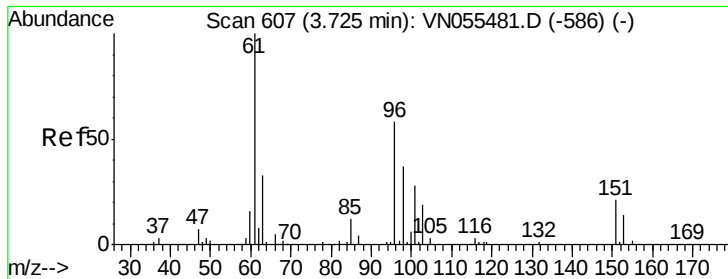
1000

500

0

Time-->





#12

1,1-Dichloroethene

Concen: 1.300 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.01 min

Lab File: VN055557.D

Acq: 10 May 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

IW-16

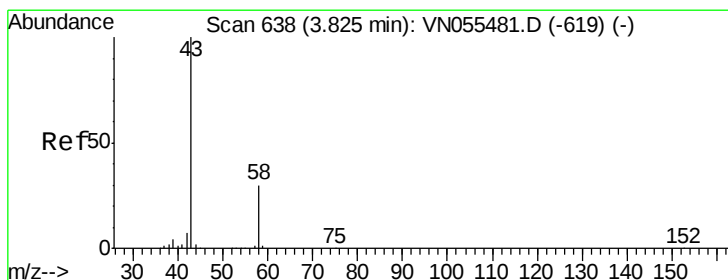
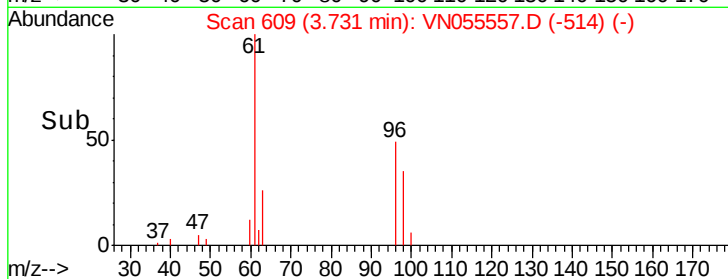
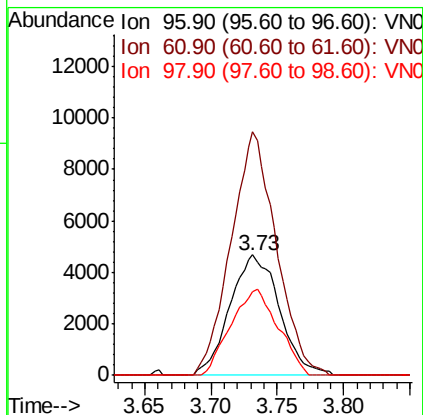
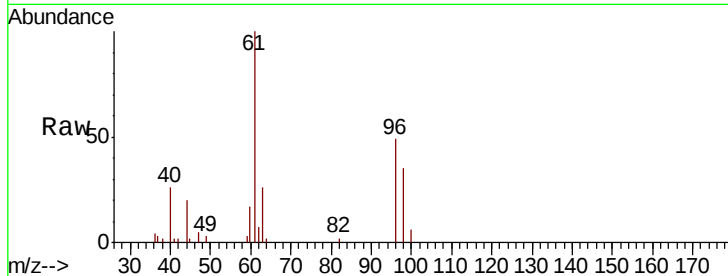
Tot Ion: 96 Resp: 12140

Ion Ratio Lower Upper

96 100

61 202.3 138.7 208.1

98 69.9 50.6 76.0



#16

Acetone

Concen: 2.129 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.00 min

Lab File: VN055557.D

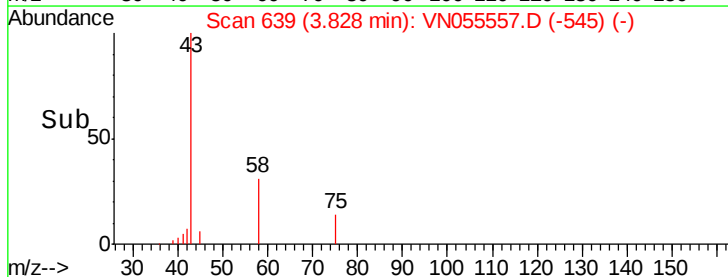
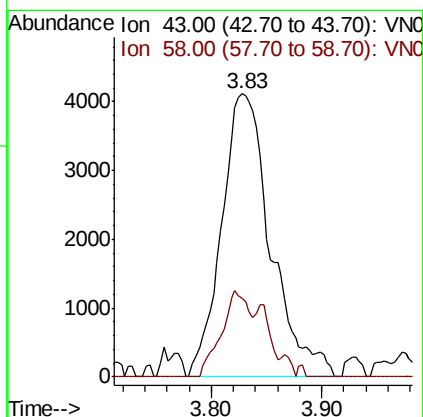
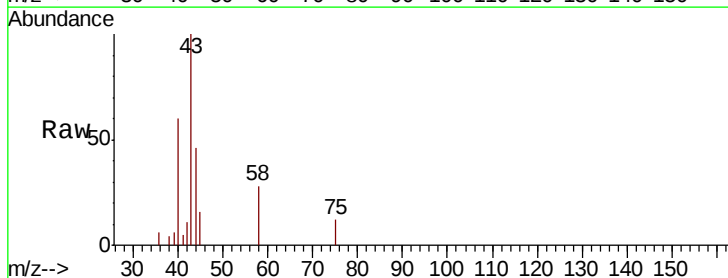
Acq: 10 May 2019 17:23

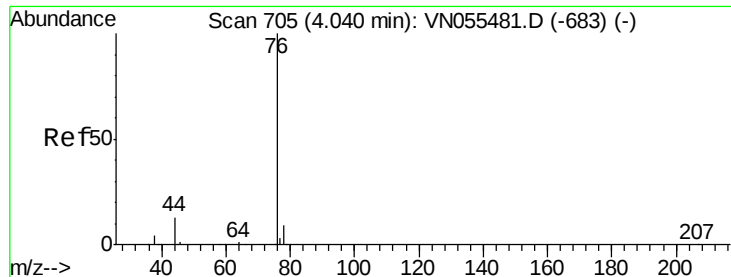
Tgt Ion: 43 Resp: 12676

Ion Ratio Lower Upper

43 100

58 27.6 24.2 36.2

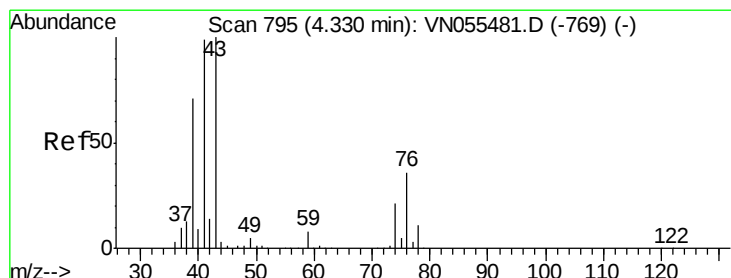
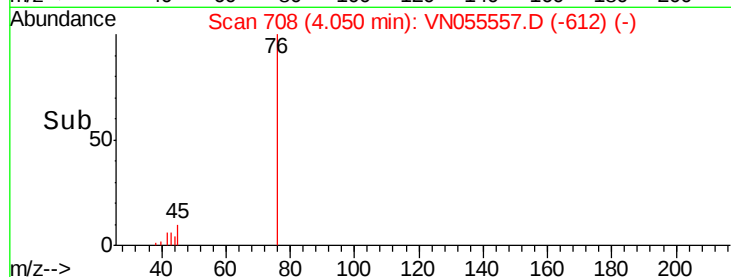
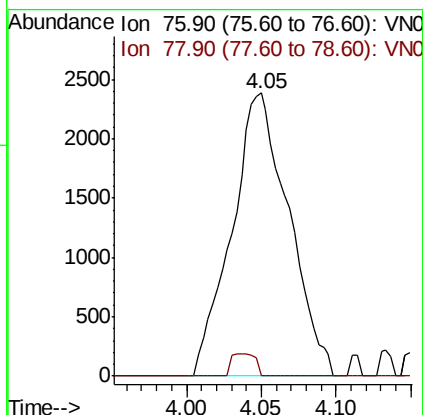
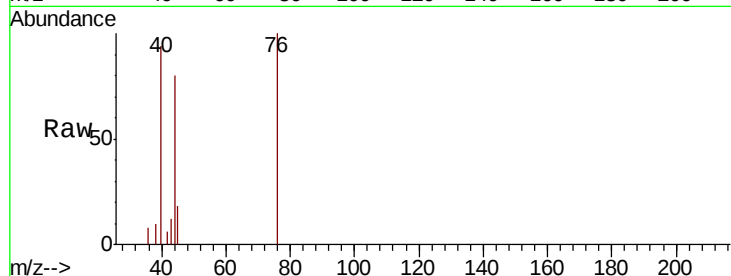




#17
Carbon Disulfide
Concen: 0.248 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.01 min
Lab File: VN055557.D
Acq: 10 May 2019 17:23

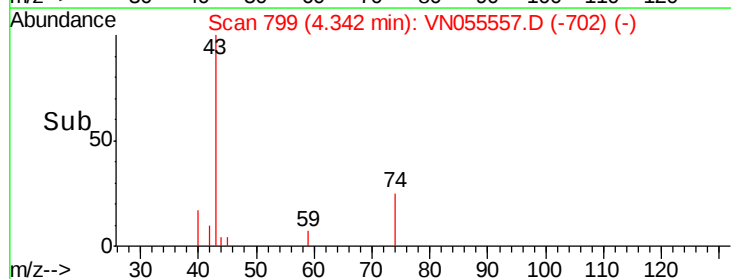
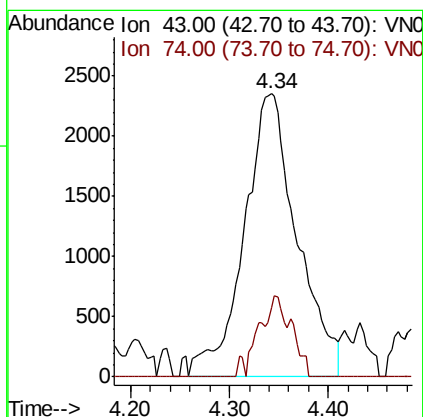
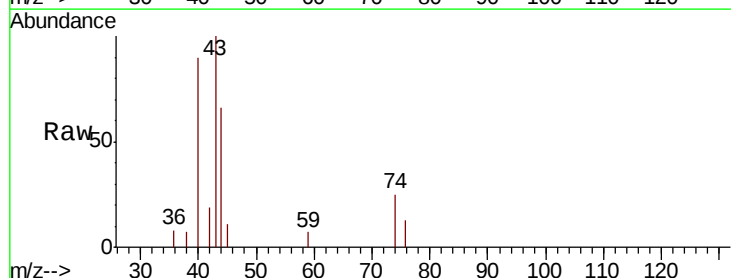
Instrument :
MSVOA_N
ClientSampled :
IW-16

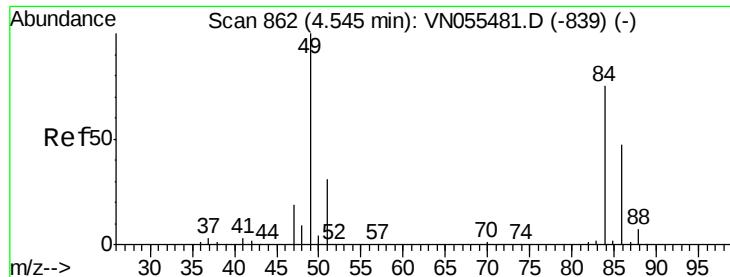
Tot Ion: 76 Resp: 6316
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 799
Delta R.T. 0.01 min
Lab File: VN055557.D
Acq: 10 May 2019 17:23

Tgt Ion: 43 Resp: 8771
Ion Ratio Lower Upper
43 100
74 16.8 16.3 24.5

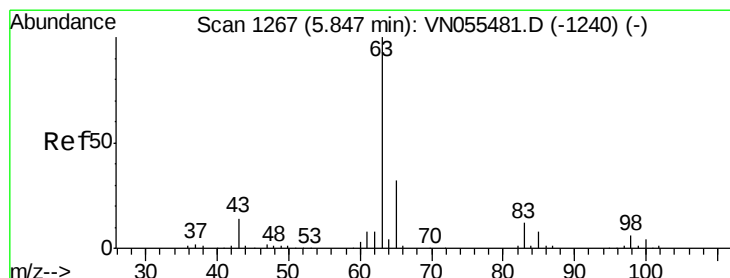
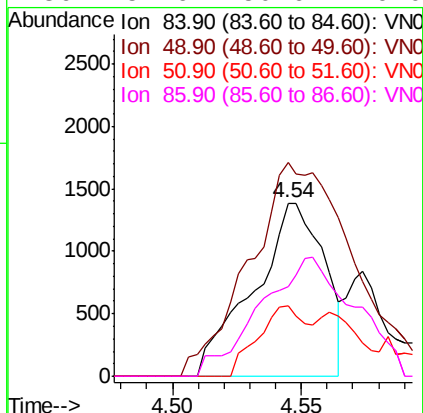
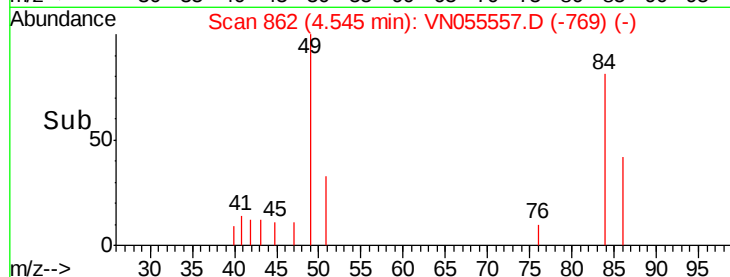
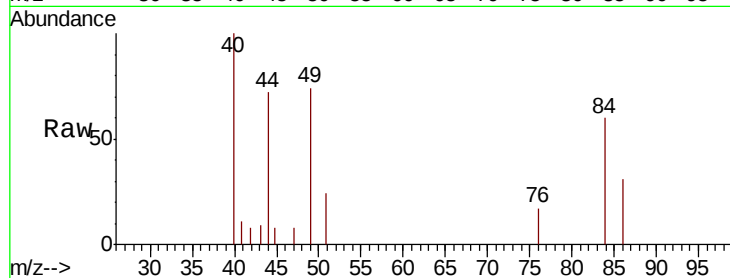




#20
Methylene Chloride
Concen: 0.217 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN055557.D
Acq: 10 May 2019 17:23

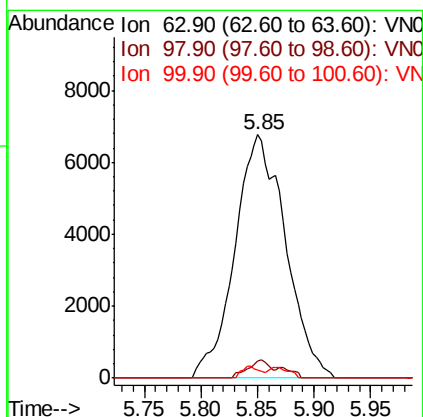
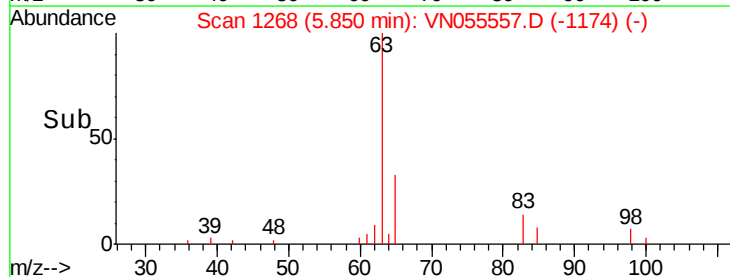
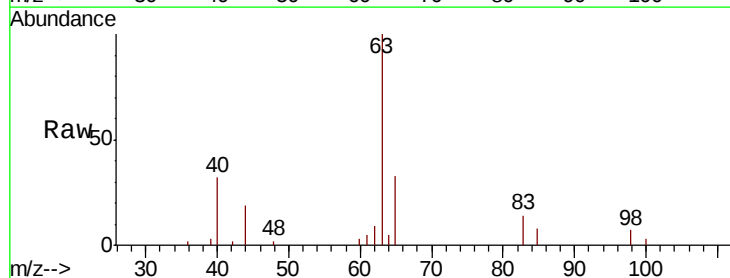
Instrument :
MSVOA_N
ClientSampled :
IW-16

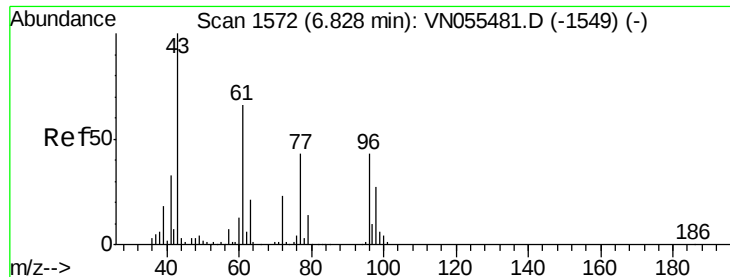
Tot Ion:	84	Resp:	2642
Ion	Ratio	Lower	Upper
84	100		
49	112.3	107.0	160.6
51	40.3	33.0	49.4
86	51.6	50.6	76.0



#24
1,1-Dichloroethane
Concen: 1.004 ug/l
RT: 5.85 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VN055557.D
Acq: 10 May 2019 17:23

Tgt Ion:	63	Resp:	21060
Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.0	9.0
100	3.3	1.9	5.7





#27

cis-1,2-Dichloroethene

Concen: 3.100 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055557.D

Acq: 10 May 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

IW-16

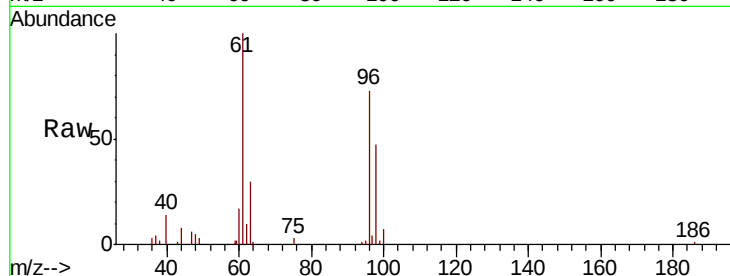
Tot Ion: 96 Resp: 36268

Ion Ratio Lower Upper

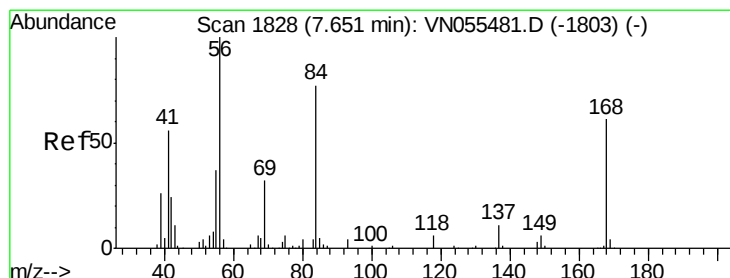
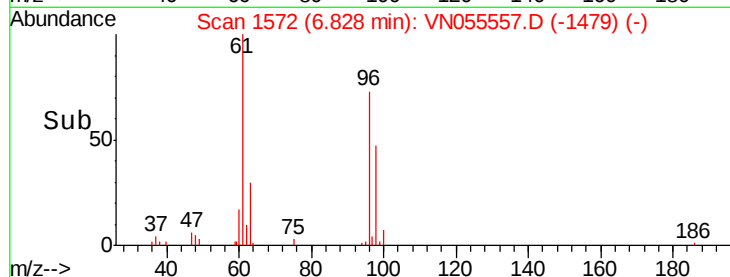
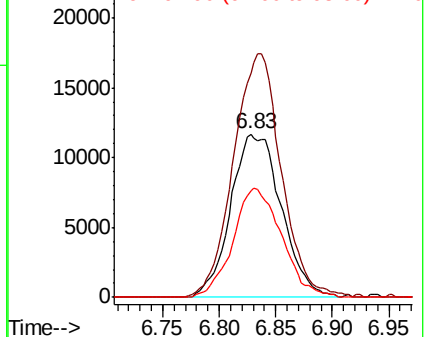
96 100

61 141.7 0.0 310.8

98 64.5 0.0 129.4



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



#31

Cyclohexane

Concen: 0.901 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN055557.D

Acq: 10 May 2019 17:23

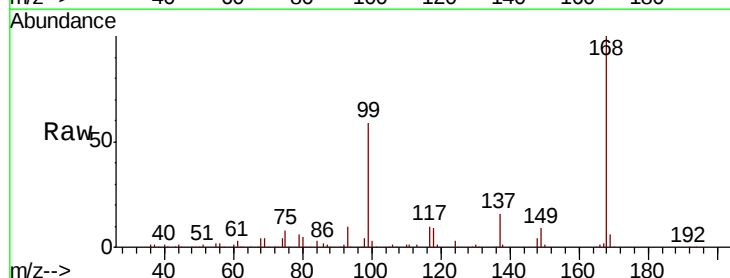
Tgt Ion: 56 Resp: 18695

Ion Ratio Lower Upper

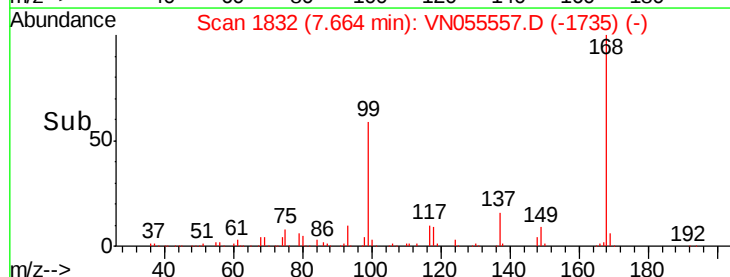
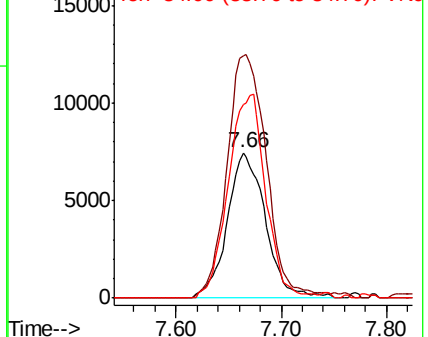
56 100

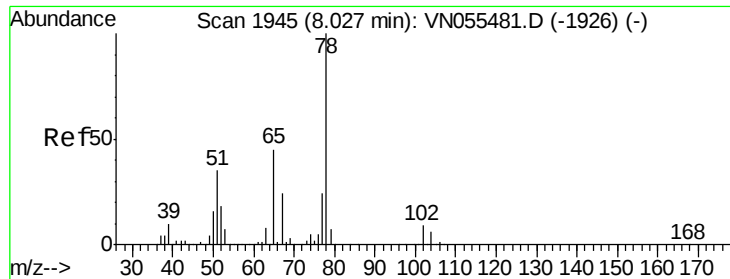
69 166.8 26.0 39.0#

84 133.0 61.9 92.9#



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

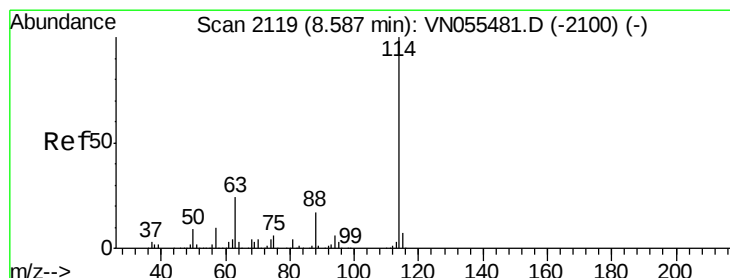
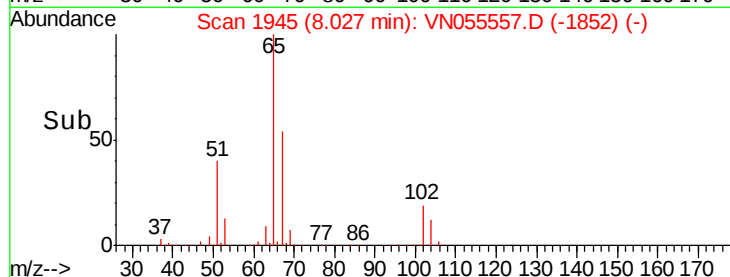
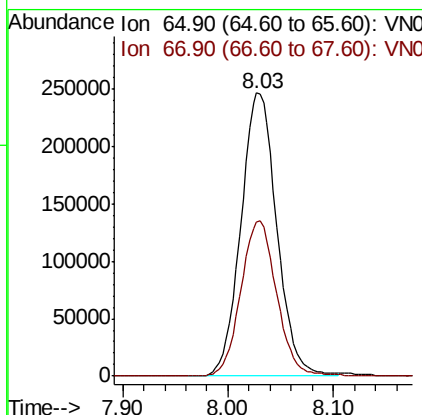
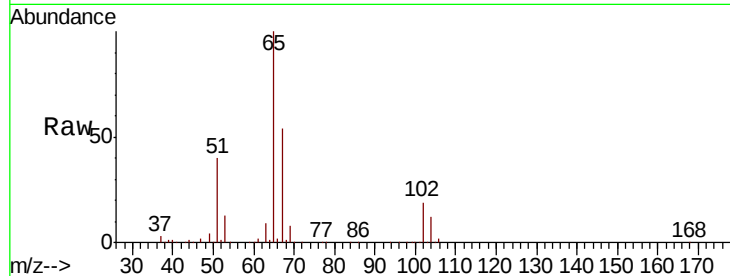




#33
 1,2-Dichloroethane-d4
 Concen: 45.412 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055557.D
 Acq: 10 May 2019 17:23

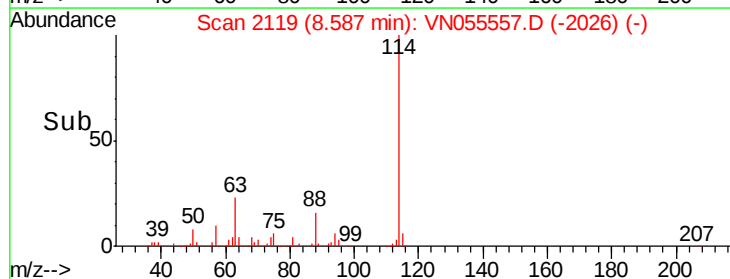
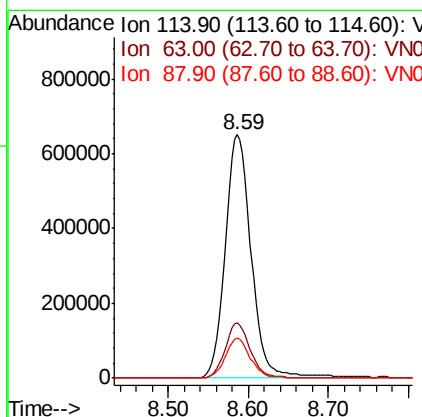
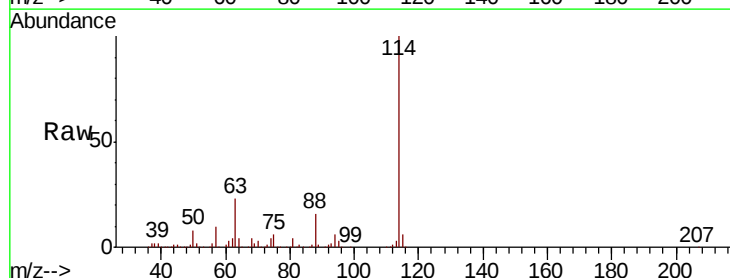
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 IW-16

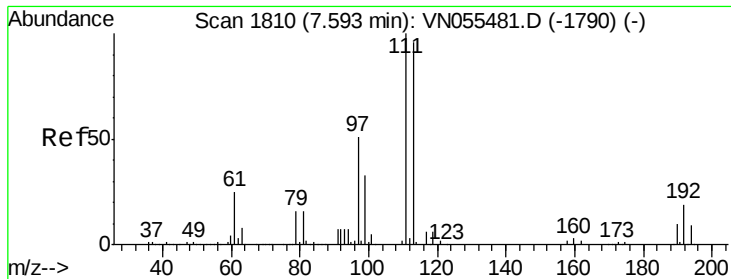
Tot Ion: 65 Resp: 584055
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055557.D
 Acq: 10 May 2019 17:23

Tgt Ion: 114 Resp: 1445826
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.4
 88 16.3 0.0 34.0

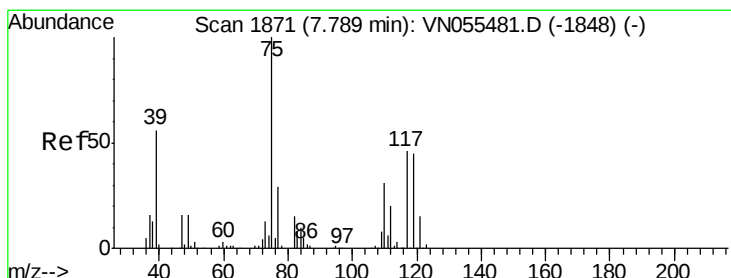
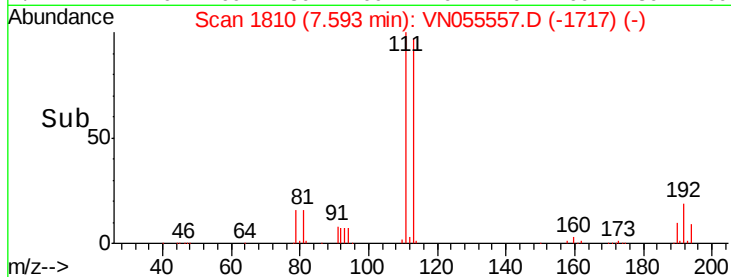
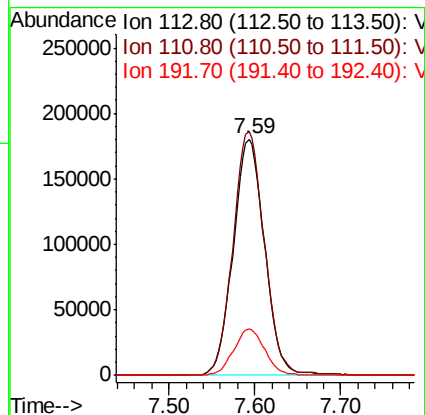
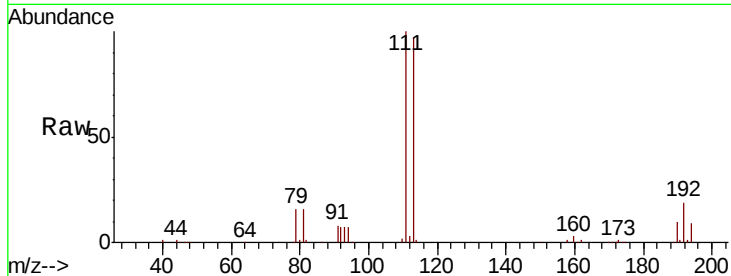




#35
 Dibromofluoromethane
 Concen: 49.146 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055557.D
 Acq: 10 May 2019 17:23

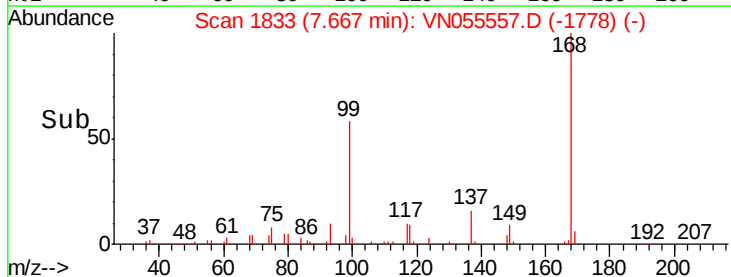
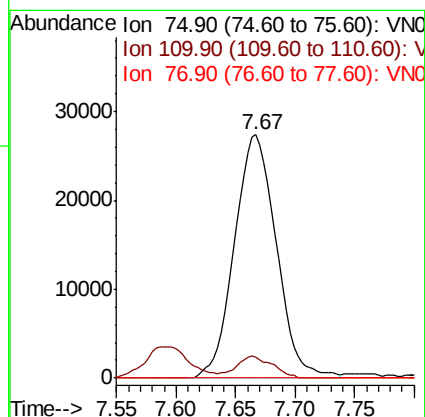
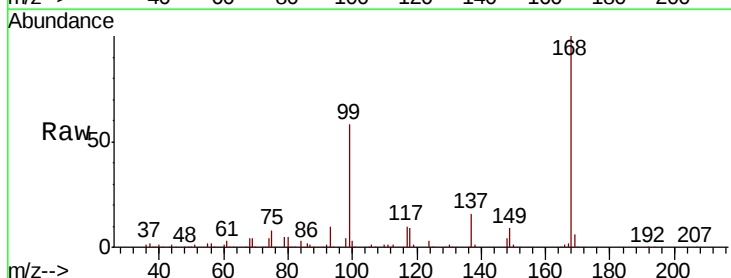
Instrument :
 MSVOA_N
 ClientSampleId :
 IW-16

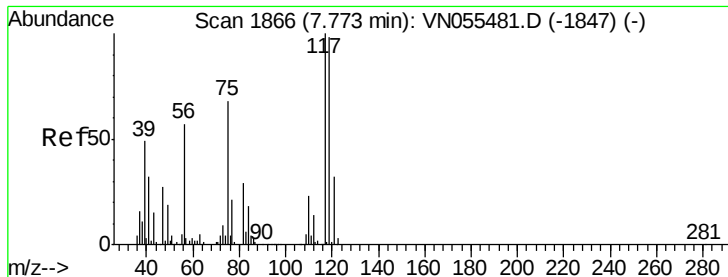
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.9	124.3
192	19.5	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 4.700 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN055557.D
 Acq: 10 May 2019 17:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	16.1	48.3#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 6.719 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055557.D

Acq: 10 May 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

IW-16

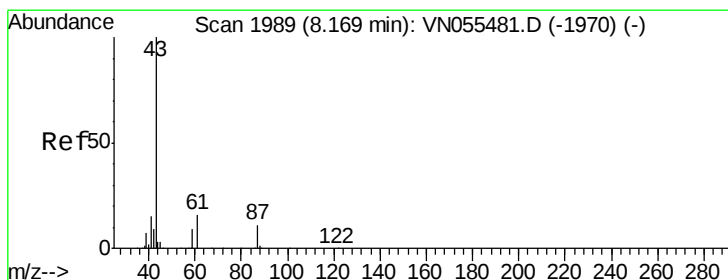
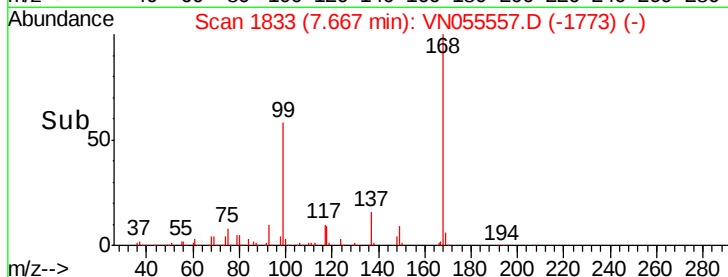
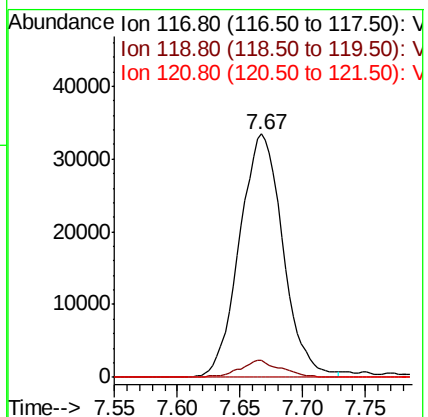
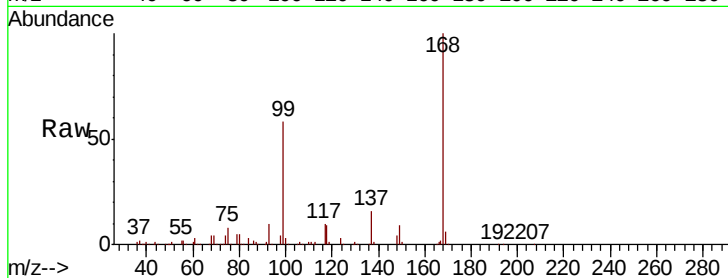
Tot Ion:117 Resp: 80582

Ion Ratio Lower Upper

117 100

119 7.0 77.8 116.6#

121 0.0 25.2 37.8#



#43

Isopropyl Acetate

Concen: 0.420 ug/l

RT: 8.26 min Scan# 2018

Delta R.T. 0.09 min

Lab File: VN055557.D

Acq: 10 May 2019 17:23

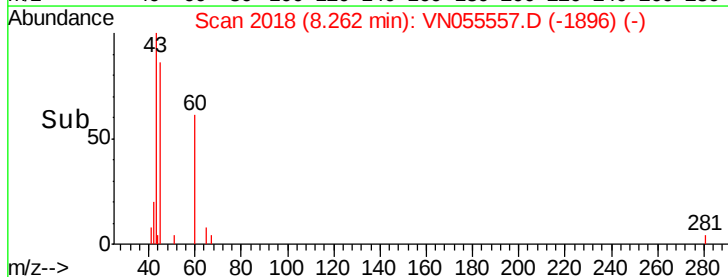
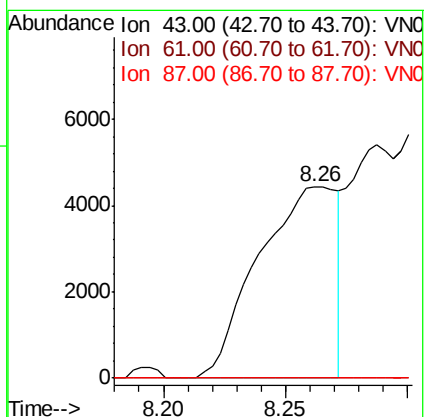
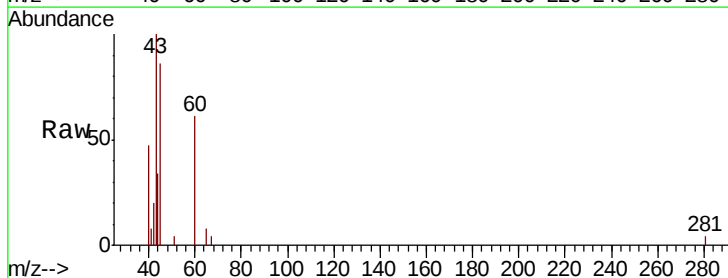
Tgt Ion: 43 Resp: 9920

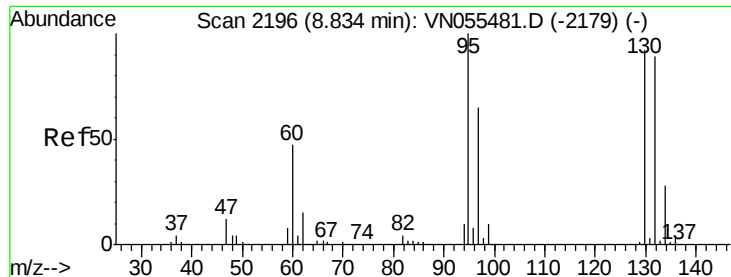
Ion Ratio Lower Upper

43 100

61 0.0 15.1 22.7#

87 0.0 9.0 13.6#

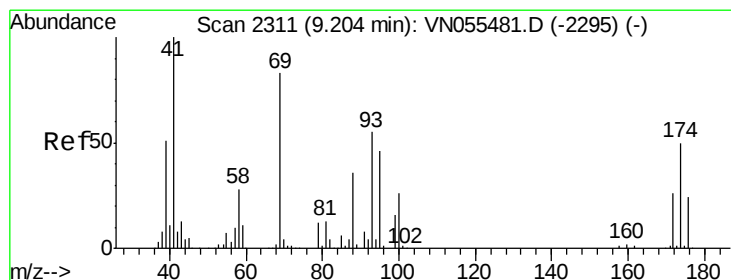
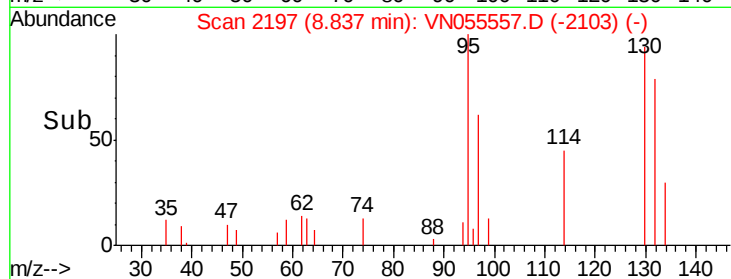
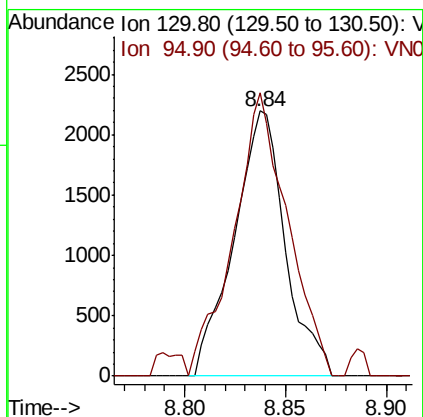
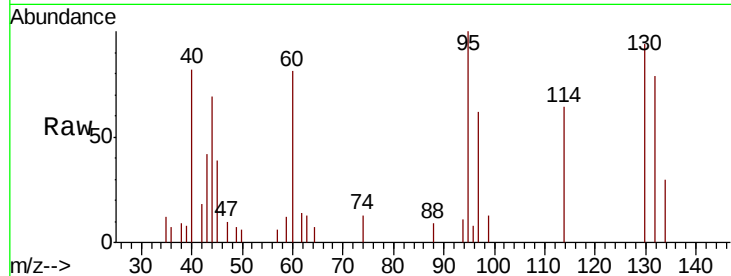




#44
 Trichloroethene
 Concen: 0.371 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055557.D
 Acq: 10 May 2019 17:23

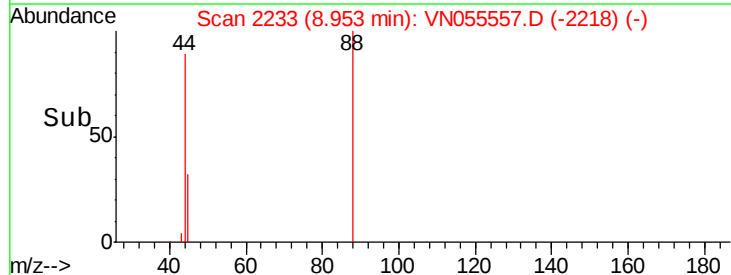
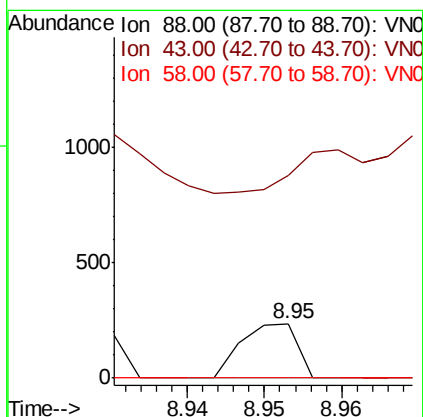
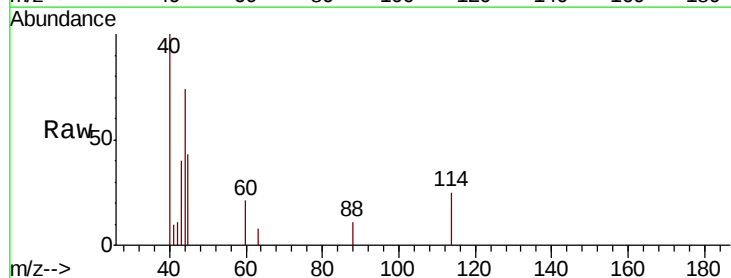
Instrument :
 MSVOA_N
 ClientSampled :
 IW-16

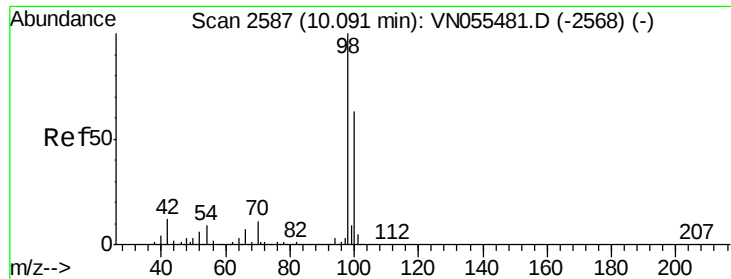
Tot Ion:130 Resp: 3901
 Ion Ratio Lower Upper
 130 100
 95 106.8 0.0 216.8



#49
 1,4-Dioxane
 Concen: 0.537 ug/l
 RT: 8.95 min Scan# 2233
 Delta R.T. -0.25 min
 Lab File: VN055557.D
 Acq: 10 May 2019 17:23

Tgt Ion: 88 Resp: 119
 Ion Ratio Lower Upper
 88 100
 43 93.3 27.8 41.8#
 58 0.0 61.8 92.6#





#50

Toluene-d8

Concen: 47.735 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055557.D

Acq: 10 May 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

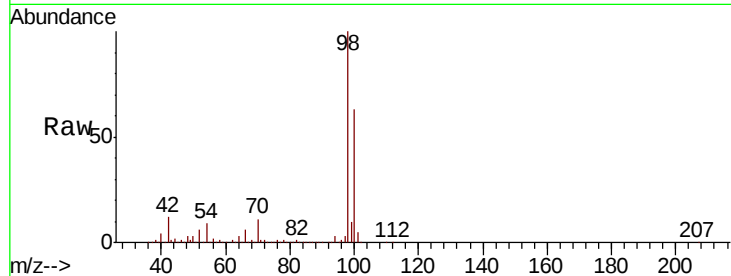
IW-16

Tot Ion: 98 Resp: 1734954

Ion Ratio Lower Upper

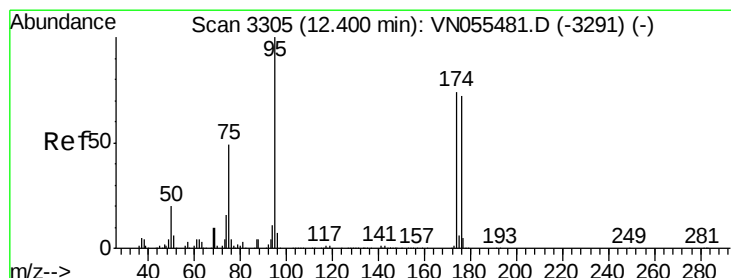
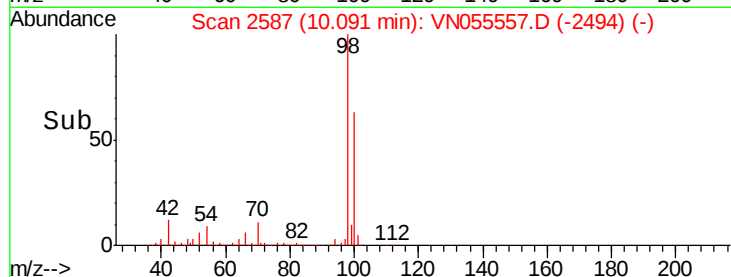
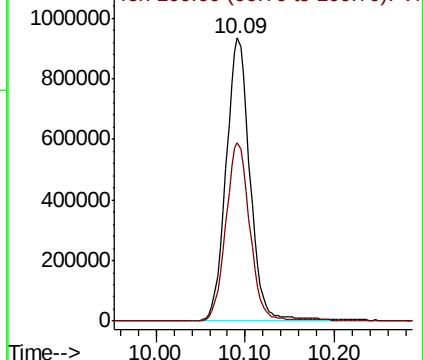
98 100

100 63.8 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 40.137 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055557.D

Acq: 10 May 2019 17:23

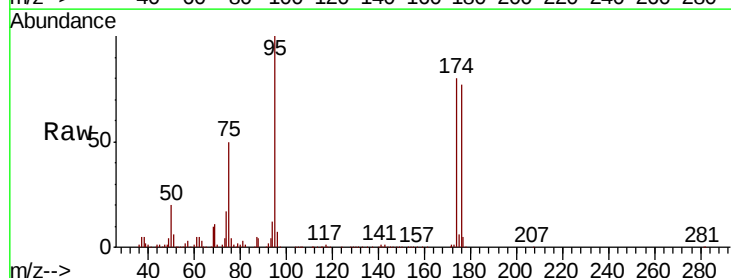
Tgt Ion: 95 Resp: 491883

Ion Ratio Lower Upper

95 100

174 79.8 0.0 152.2

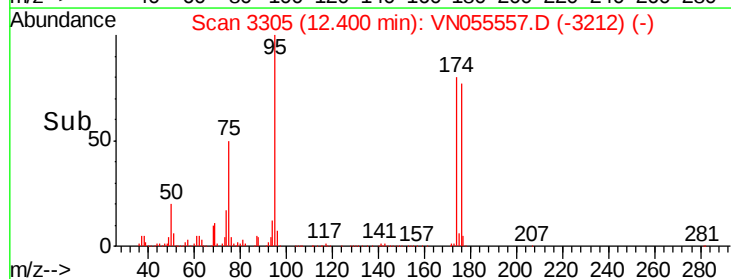
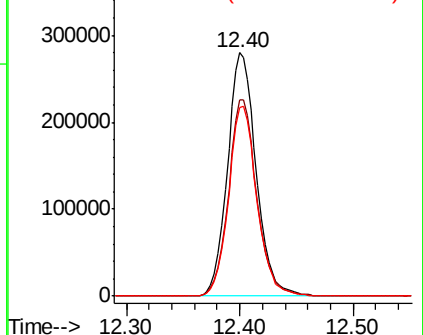
176 77.0 0.0 147.8

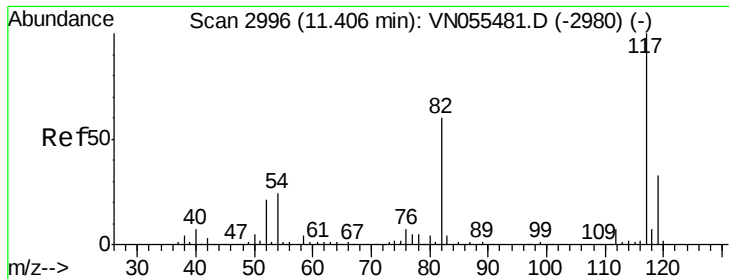


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

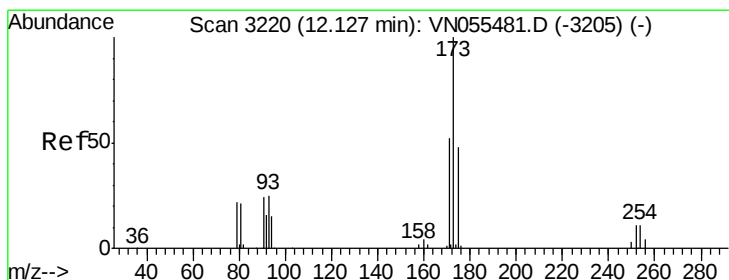
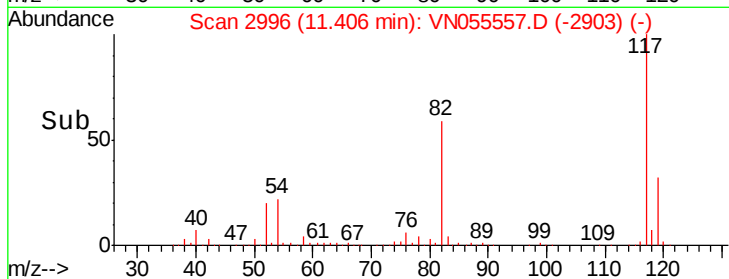
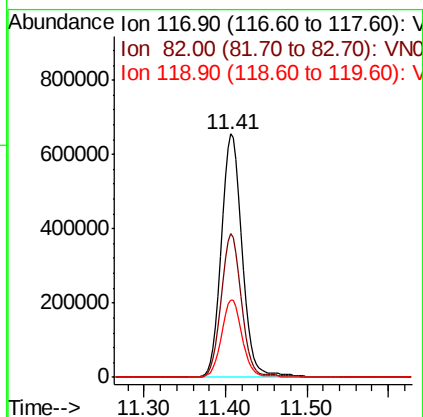
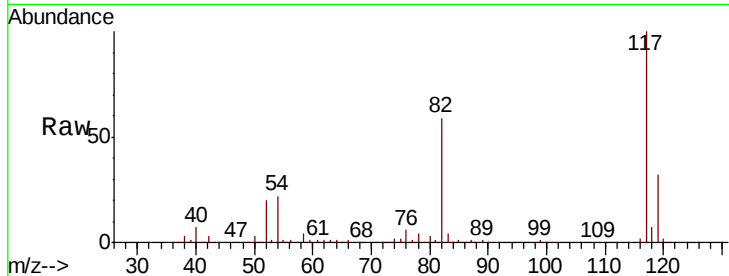




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055557.D
Acq: 10 May 2019 17:23

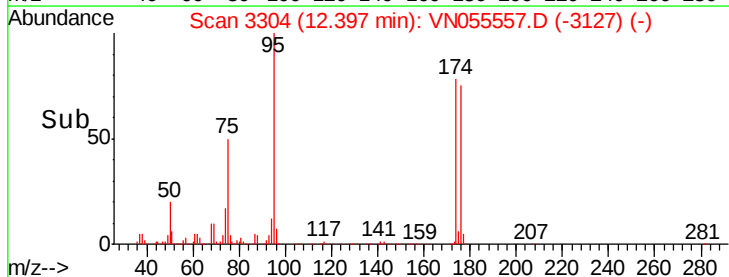
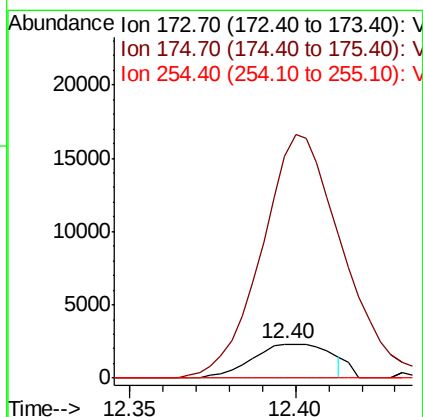
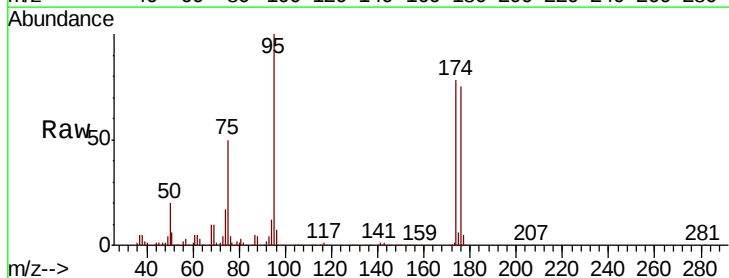
Instrument :
MSVOA_N
ClientSampleId :
IW-16

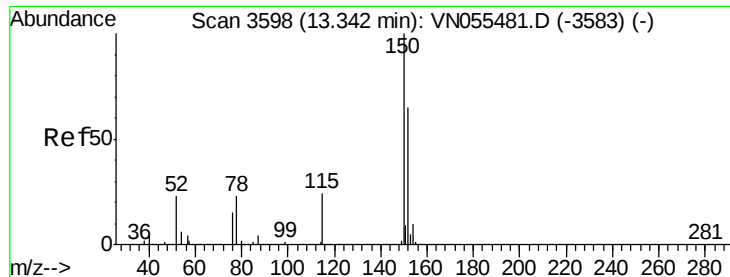
Tot Ion:117 Resp: 1193974
Ion Ratio Lower Upper
117 100
82 58.8 48.0 72.0
119 31.8 26.0 39.0



#71
Bromoform
Concen: 0.664 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN055557.D
Acq: 10 May 2019 17:23

Tgt Ion:173 Resp: 3790
Ion Ratio Lower Upper
173 100
175 624.7 24.1 72.4#
254 0.0 0.1 0.1#



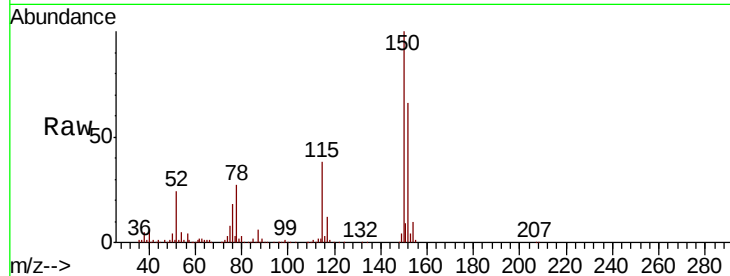


#72

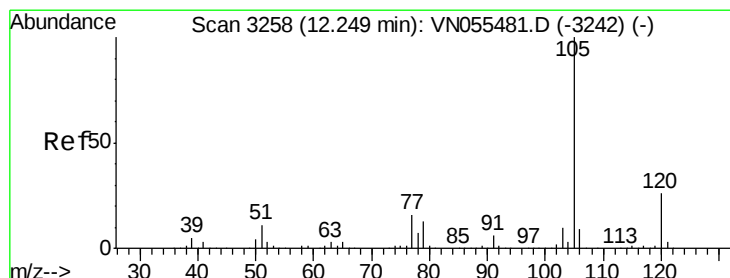
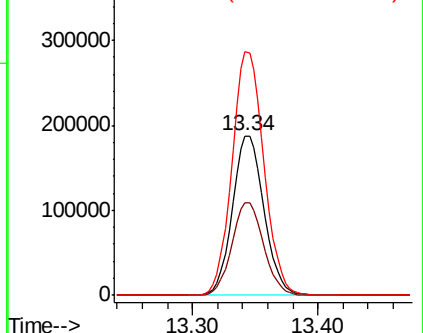
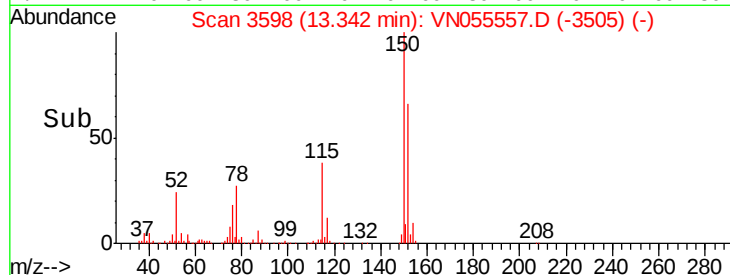
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055557.D
Acq: 10 May 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
IW-16

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.6	30.1	90.5
150	154.6	0.0	355.0



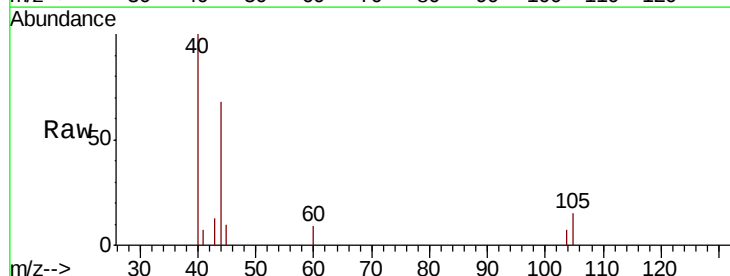
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



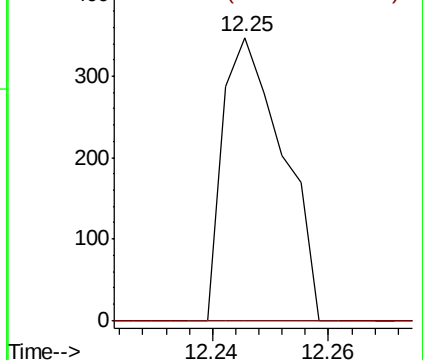
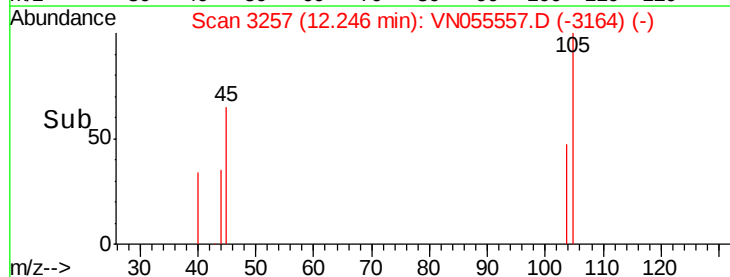
#73

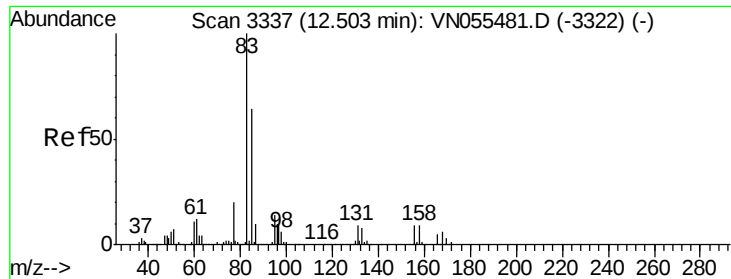
Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN055557.D
Acq: 10 May 2019 17:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	13.0	39.0#



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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.42 min Scan# 3310

Delta R.T. -0.09 min

Lab File: VN055557.D

Acq: 10 May 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

IW-16

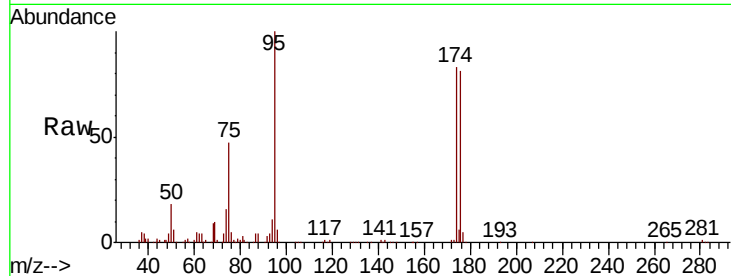
Tot Ion: 83 Resp: 208

Ion Ratio Lower Upper

83 100

131 275.5 4.5 13.5#

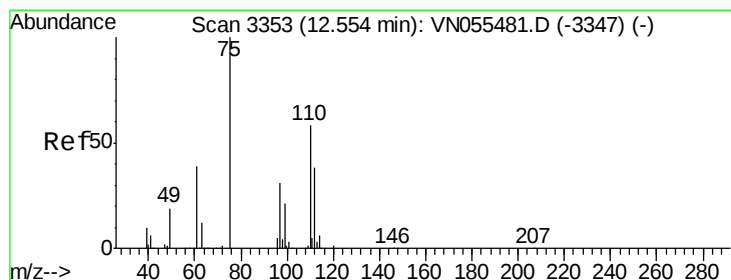
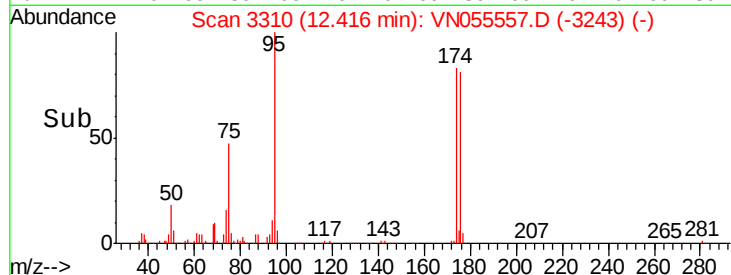
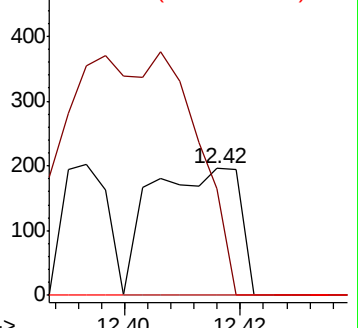
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.558 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055557.D

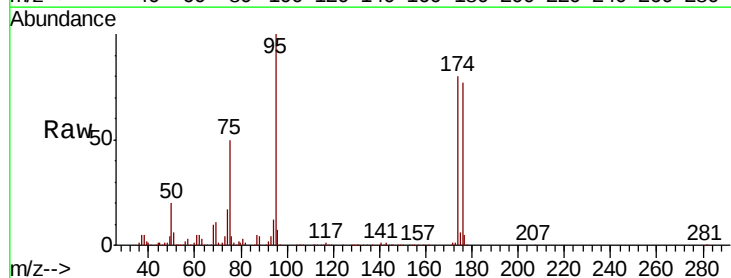
Acq: 10 May 2019 17:23

Tgt Ion: 75 Resp: 245709

Ion Ratio Lower Upper

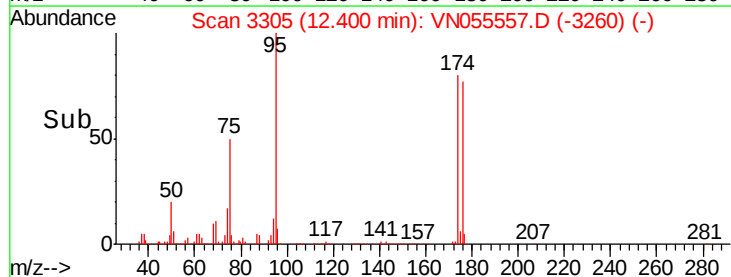
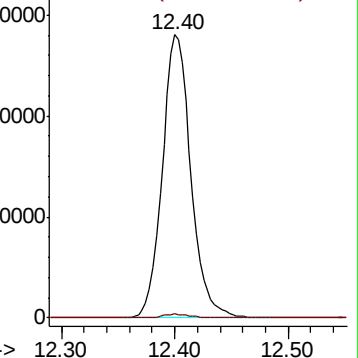
75 100

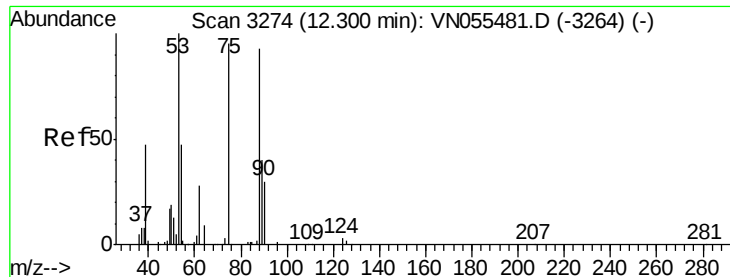
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 101.685 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055557.D

Acq: 10 May 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

IW-16

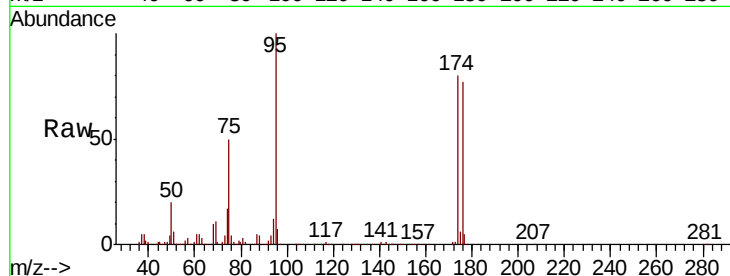
Tot Ion: 75 Resp: 245709

Ion Ratio Lower Upper

75 100

53 0.1 86.5 129.7#

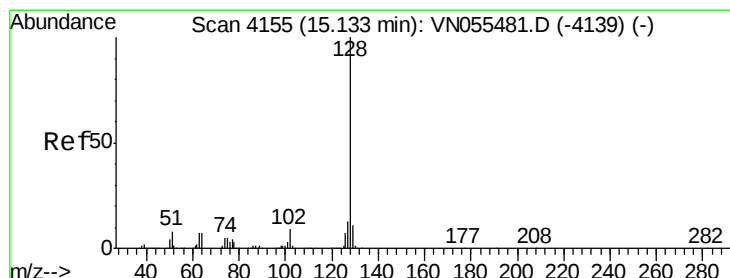
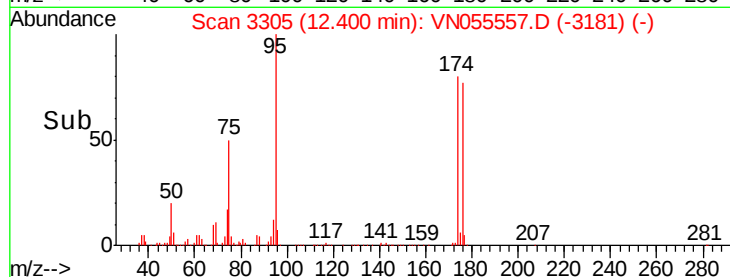
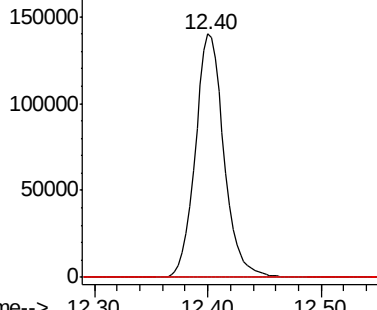
89 0.0 35.7 53.5#



Abundance Ion 74.90 (74.60 to 75.60): VN055481.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055481.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055481.D (-3264) (-)



#95

Naphthalene

Concen: 2.953 ug/l

RT: 15.16 min Scan# 4162

Delta R.T. 0.02 min

Lab File: VN055557.D

Acq: 10 May 2019 17:23

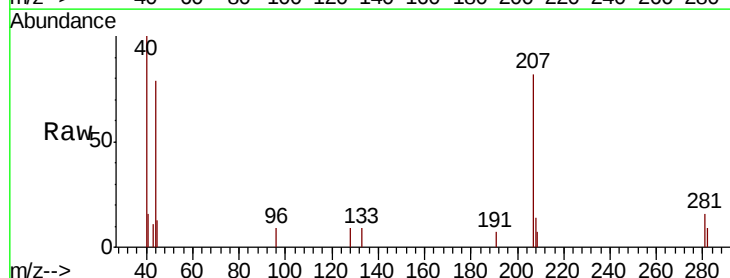
Tgt Ion: 128 Resp: 233

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): VN055481.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN055481.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN055481.D (-4139) (-)

