

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051420\
 Data File : VX016224.D
 Acq On : 14 May 2020 12:37
 Operator : JC/SP
 Sample : L2596-03 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 D-1U

Quant Time: May 15 01:31:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	254906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	425286	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	417823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	209128	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	157324	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	
35) Dibromofluoromethane	5.47	113	128502	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
50) Toluene-d8	8.70	98	525845	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
62) 4-Bromofluorobenzene	11.12	95	211429	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	

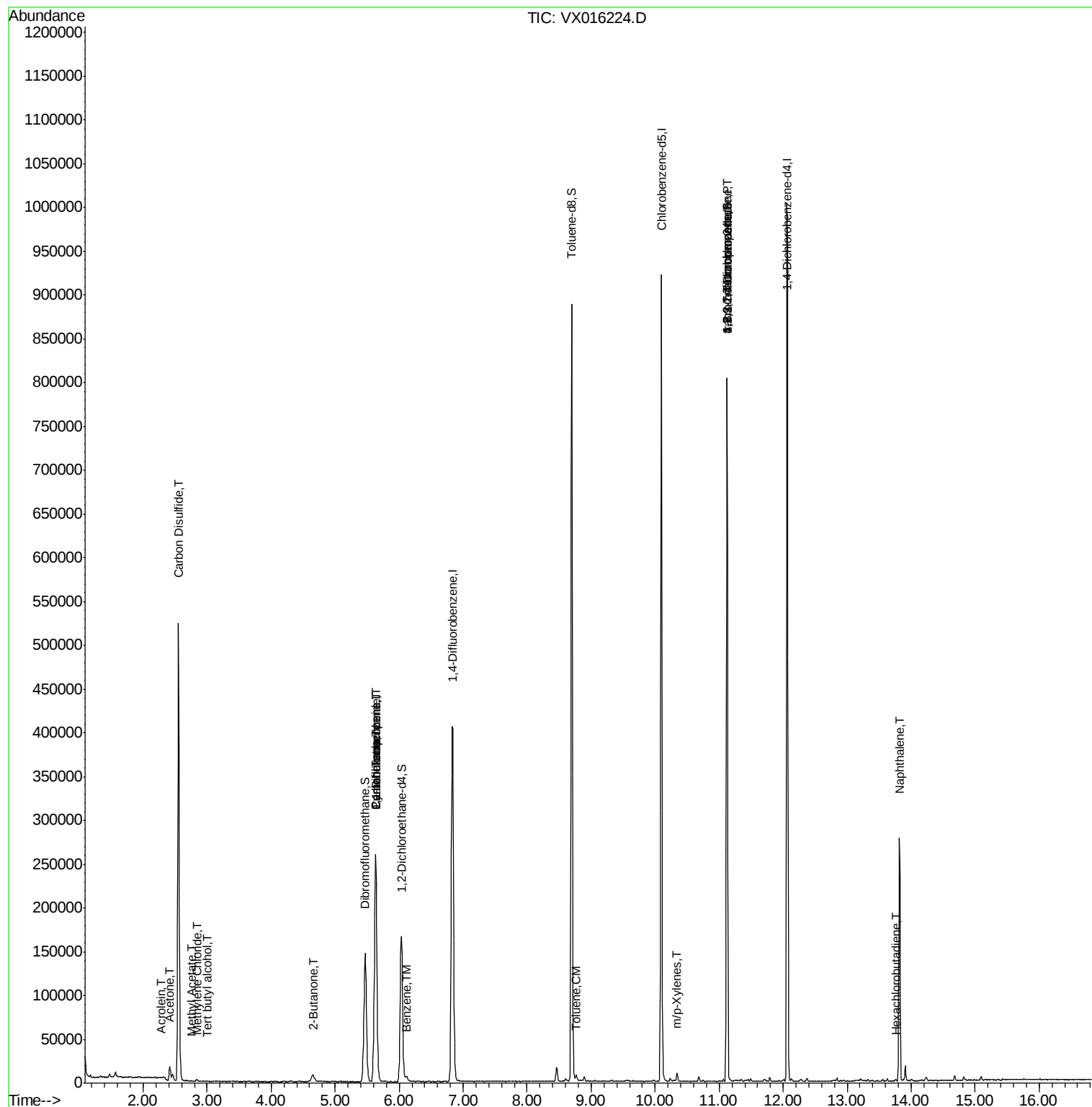
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	298	0.35	ug/l #	72
13) Acrolein	2.28	56	464	0.87	ug/l #	72
16) Acetone	2.42	43	16451	10.99	ug/l	99
17) Carbon Disulfide	2.55	76	664666	83.67	ug/l	98
18) Methyl Acetate	2.75	43	830	0.23	ug/l #	74
20) Methylene Chloride	2.84	84	853	0.28	ug/l	89
25) 2-Butanone	4.65	43	3280	1.36	ug/l	92
31) Cyclohexane	5.64	56	4926	1.06	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	18859	4.50	ug/l #	50
38) Carbon Tetrachloride	5.64	117	24749	5.82	ug/l #	14
40) Benzene	6.11	78	6653	0.54	ug/l	98
52) Toluene	8.76	92	1777	0.23	ug/l	99
68) m/p-Xylenes	10.34	106	1991	0.34	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.12	83	193	2.12	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	103525	21.81	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	103525	51.99	ug/l #	13
94) Hexachlorobutadiene	13.76	225	211	0.62	ug/l	86
95) Naphthalene	13.82	128	170851	10.50	ug/l	100

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

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016224.D

Acq: 14 May 2020 12:37

Instrument :

MSVOA_X

ClientSampleId :

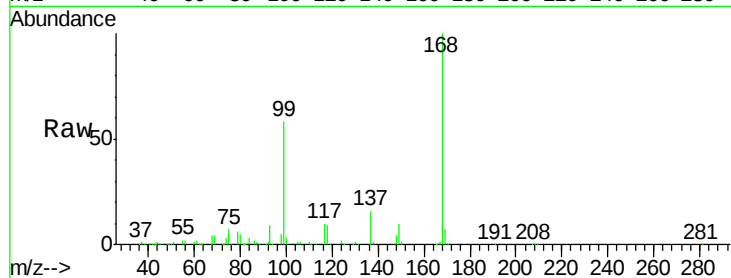
D-1U

Tgt Ion:168 Resp: 254906

Ion Ratio Lower Upper

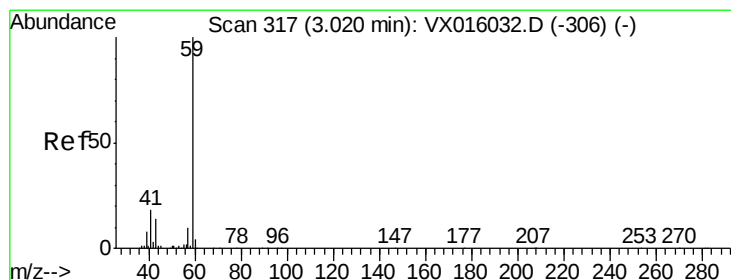
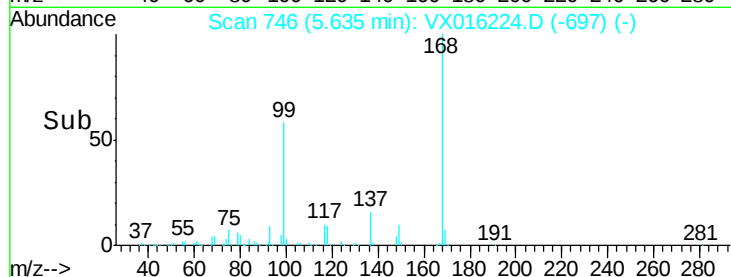
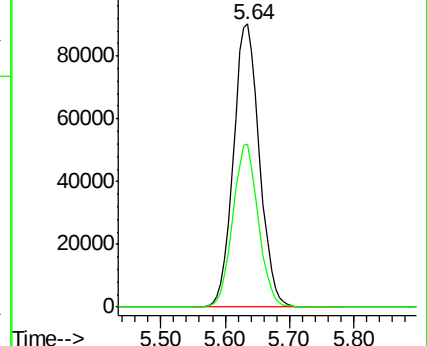
168 100

99 57.7 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 0.35 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016224.D

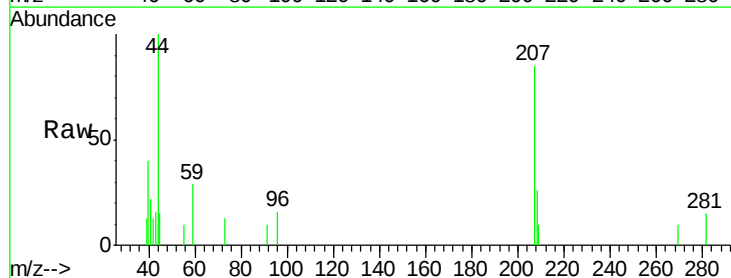
Acq: 14 May 2020 12:37

Tgt Ion: 59 Resp: 298

Ion Ratio Lower Upper

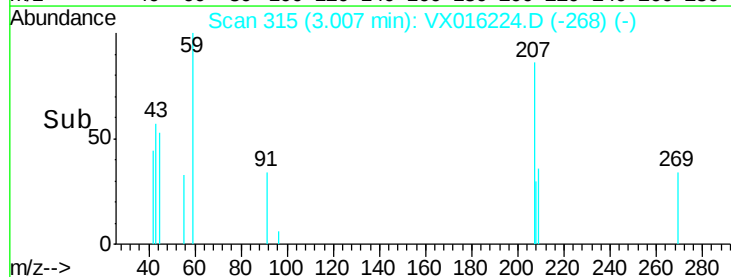
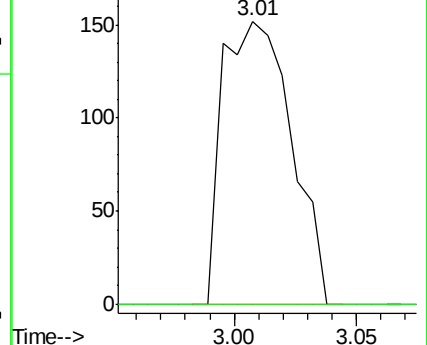
59 100

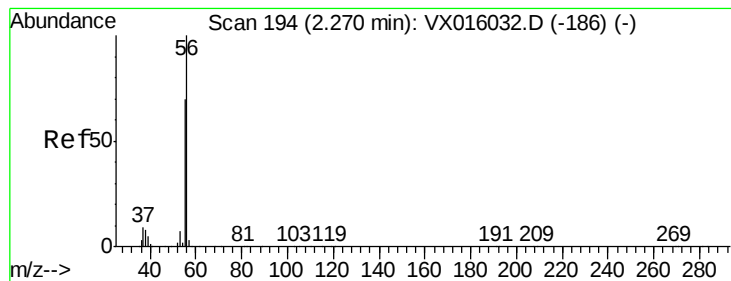
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.87 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016224.D

Acq: 14 May 2020 12:37

Instrument :

MSVOA_X

ClientSampleId :

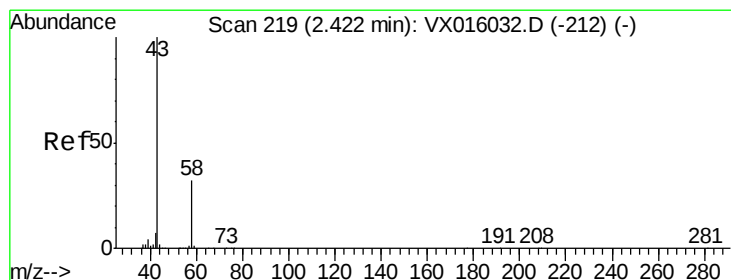
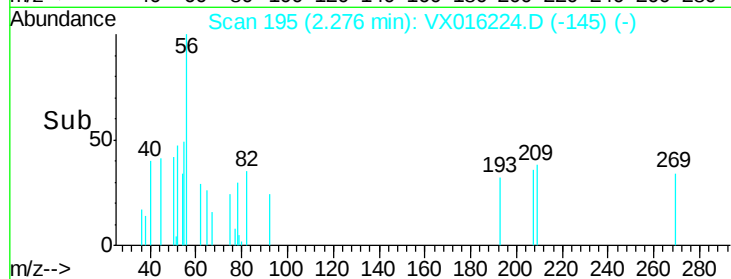
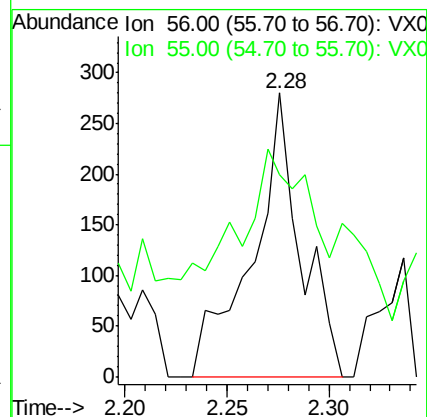
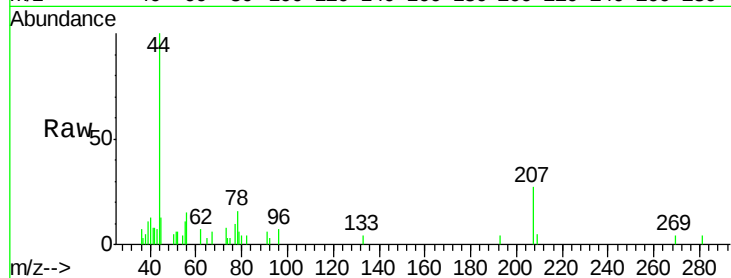
D-1U

Tgt Ion: 56 Resp: 464

Ion Ratio Lower Upper

56 100

55 47.6 56.5 84.7#



#16

Acetone

Concen: 10.99 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016224.D

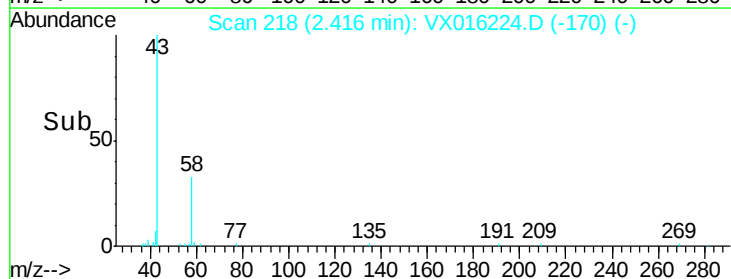
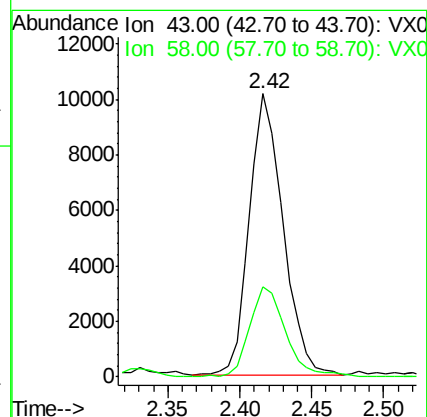
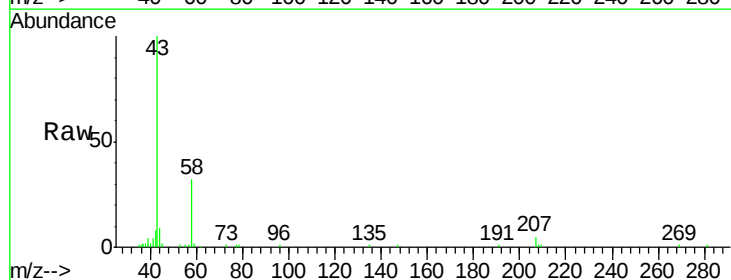
Acq: 14 May 2020 12:37

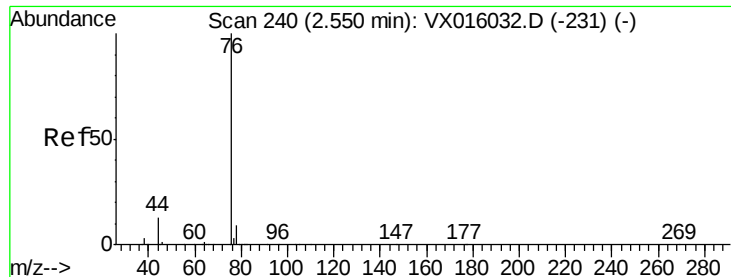
Tgt Ion: 43 Resp: 16451

Ion Ratio Lower Upper

43 100

58 32.1 25.4 38.0

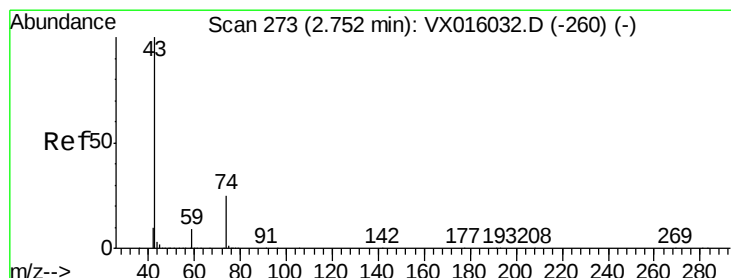
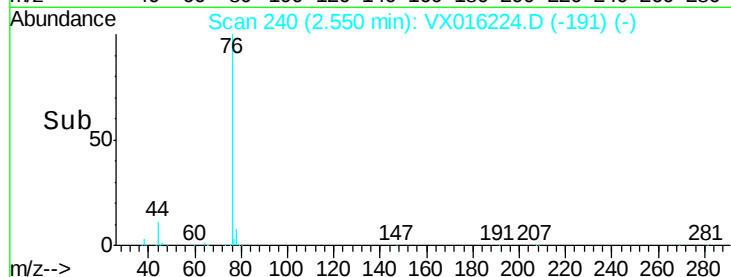
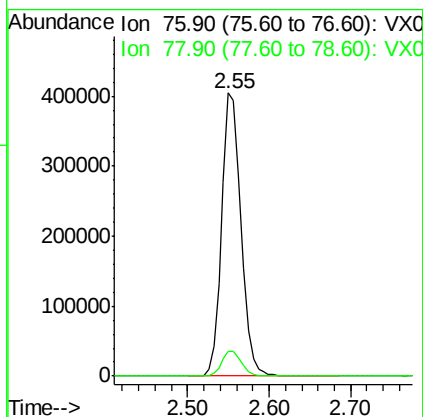
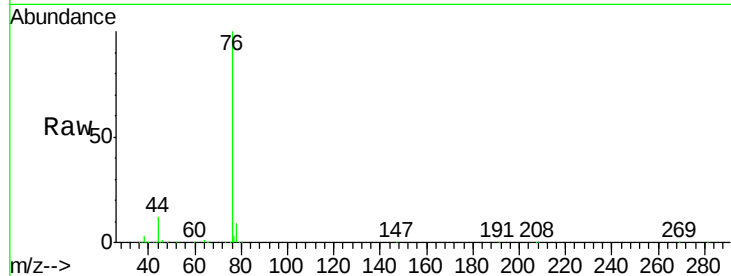




#17
Carbon Disulfide
Concen: 83.67 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX016224.D
Acq: 14 May 2020 12:37

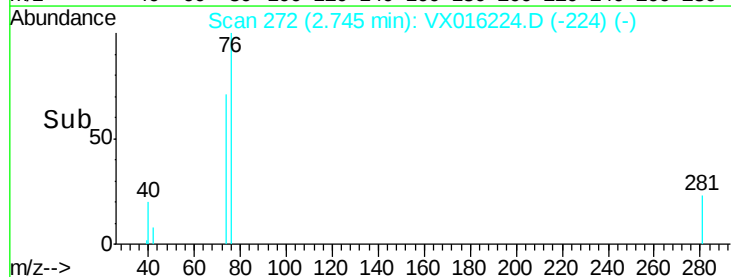
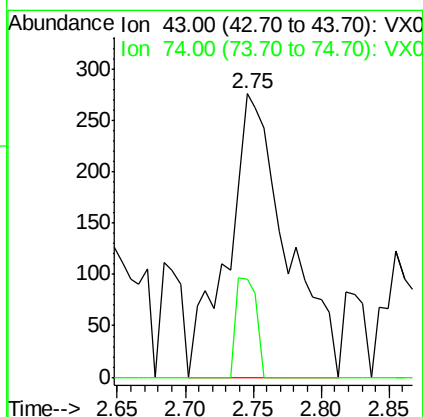
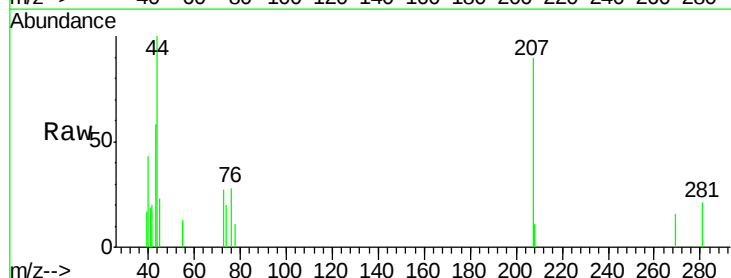
Instrument :
MSVOA_X
ClientSampleId :
D-1U

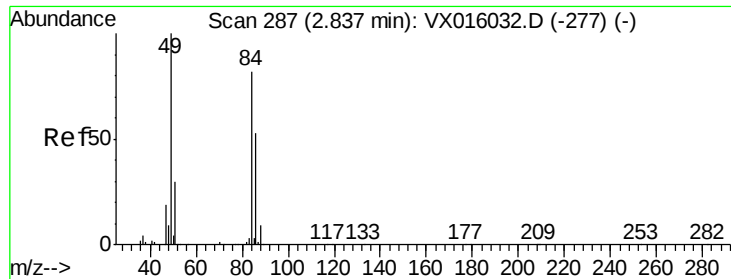
Tgt Ion: 76 Resp: 664666
Ion Ratio Lower Upper
76 100
78 8.5 7.5 11.3



#18
Methyl Acetate
Concen: 0.23 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX016224.D
Acq: 14 May 2020 12:37

Tgt Ion: 43 Resp: 830
Ion Ratio Lower Upper
43 100
74 12.0 20.2 30.2#

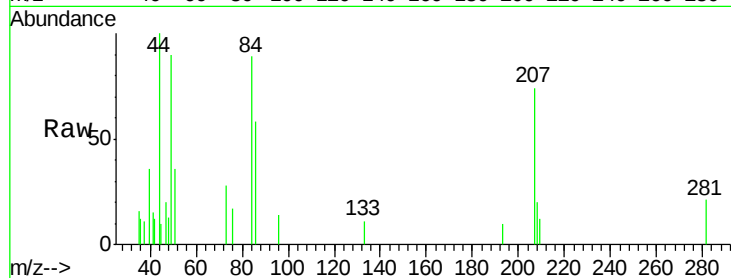




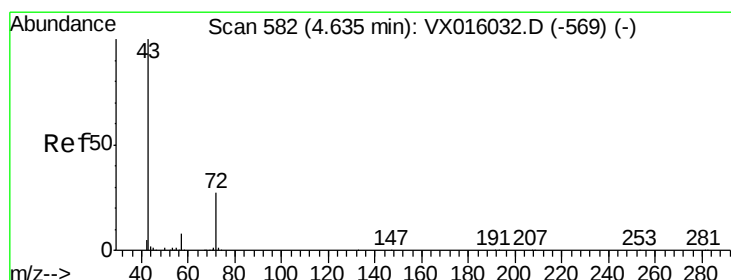
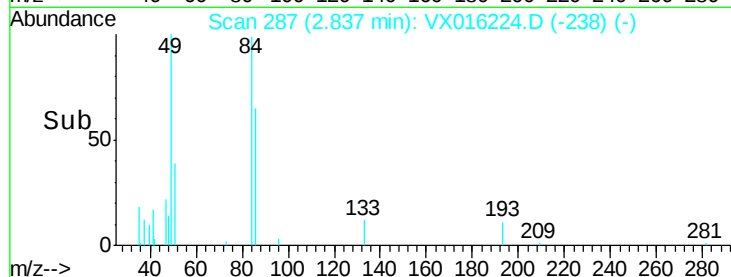
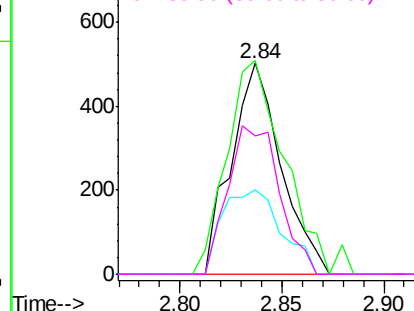
#20
Methylene Chloride
Concen: 0.28 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016224.D
Acq: 14 May 2020 12:37

Instrument :
MSVOA_X
ClientSampleId :
D-1U

Tgt Ion:	84	Resp:	853
Ion	Ratio	Lower	Upper
84	100		
49	101.4	97.3	145.9
51	40.0	29.3	43.9
86	65.7	51.3	76.9

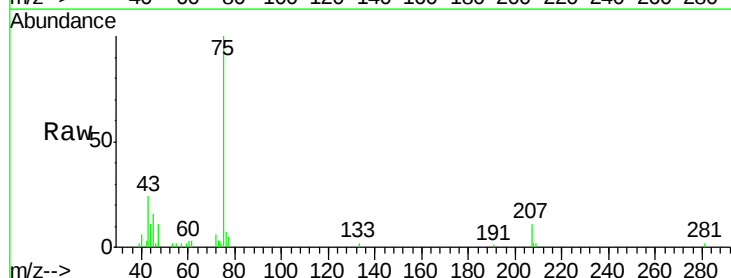


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

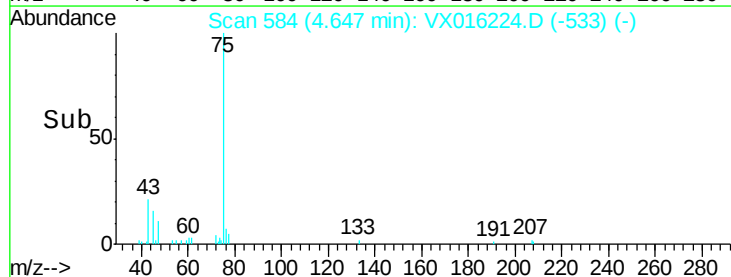
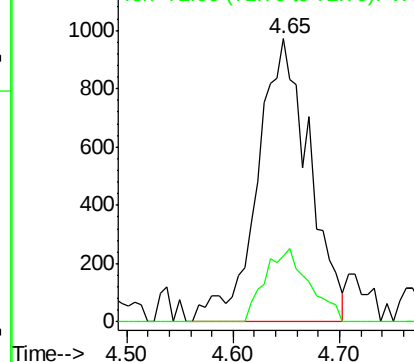


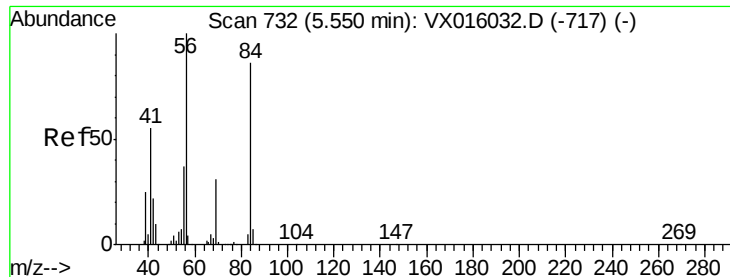
#25
2-Butanone
Concen: 1.36 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX016224.D
Acq: 14 May 2020 12:37

Tgt Ion:	43	Resp:	3280
Ion	Ratio	Lower	Upper
43	100		
72	23.3	21.8	32.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

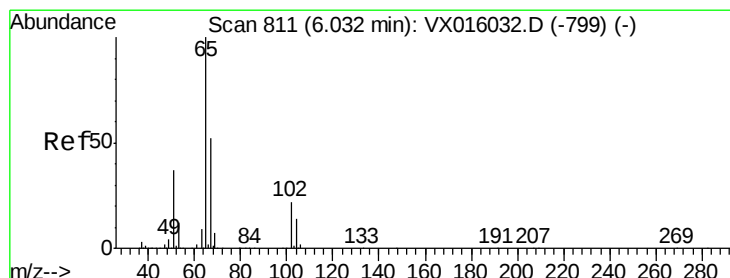
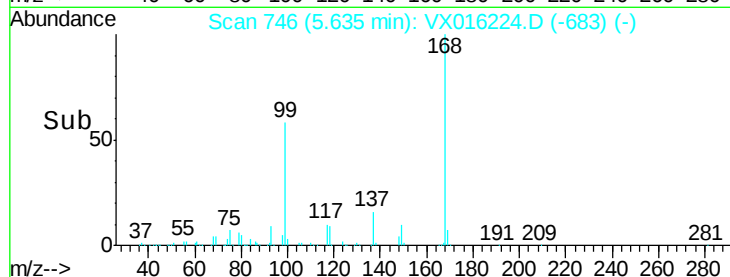
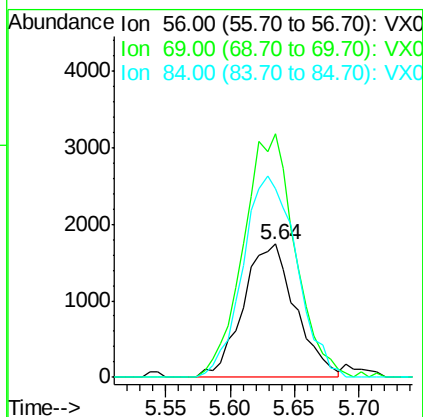
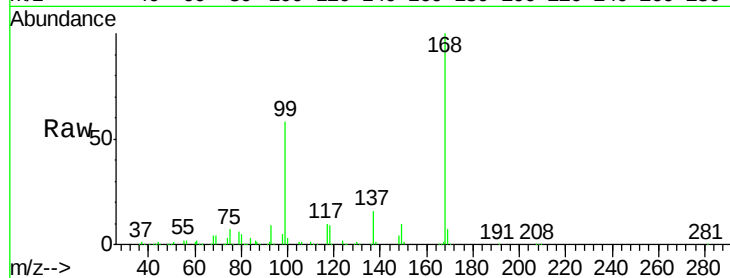




#31
Cyclohexane
Concen: 1.06 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016224.D
Acq: 14 May 2020 12:37

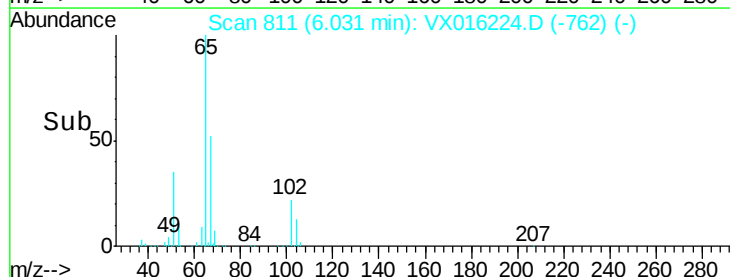
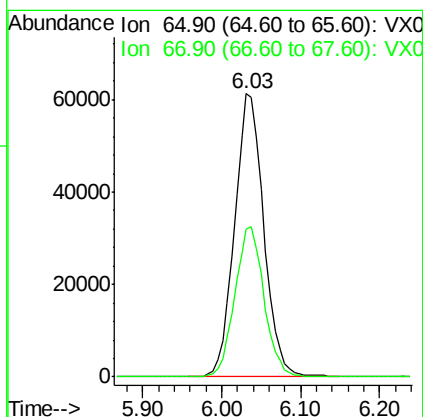
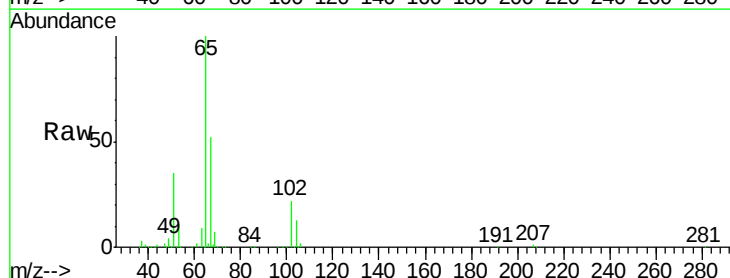
Instrument :
MSVOA_X
ClientSampleId :
D-1U

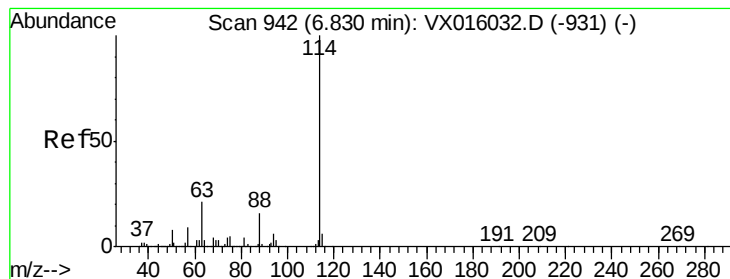
Tgt Ion: 56 Resp: 4926
Ion Ratio Lower Upper
56 100
69 182.7 25.0 37.6#
84 141.9 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 46.90 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016224.D
Acq: 14 May 2020 12:37

Tgt Ion: 65 Resp: 157324
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016224.D

Acq: 14 May 2020 12:37

Instrument :

MSVOA_X

ClientSampleId :

D-1U

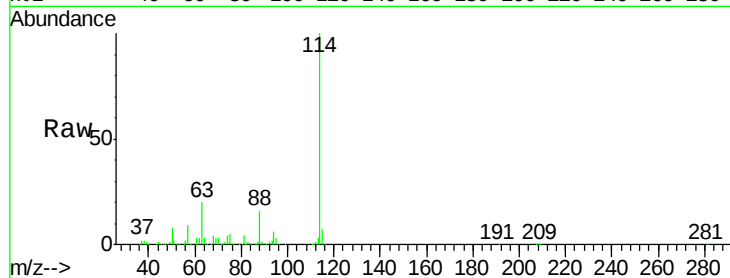
Tgt Ion:114 Resp: 425286

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.8

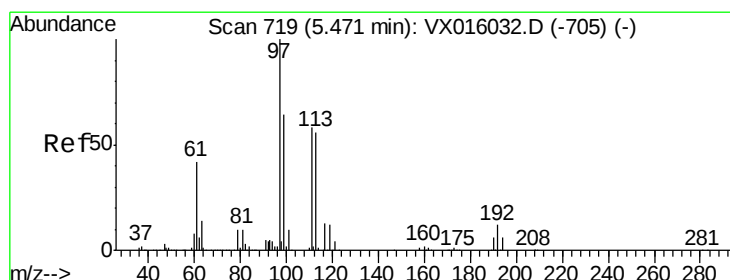
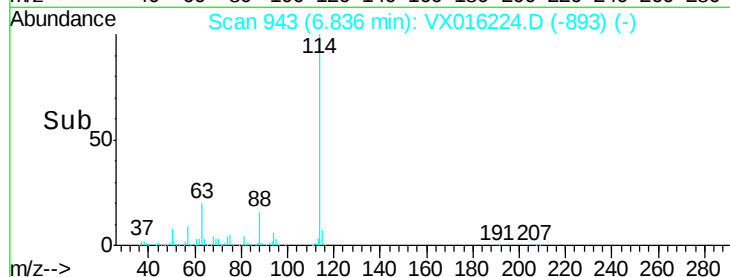
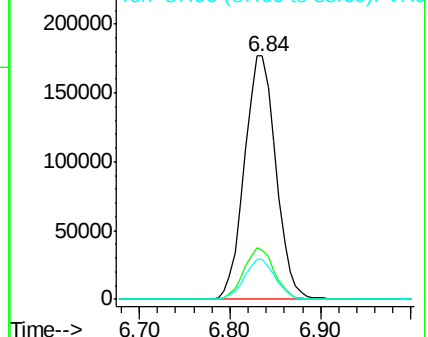
88 16.4 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.69 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016224.D

Acq: 14 May 2020 12:37

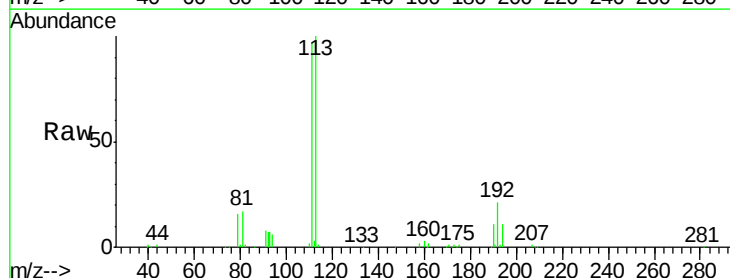
Tgt Ion:113 Resp: 128502

Ion Ratio Lower Upper

113 100

111 100.4 81.6 122.4

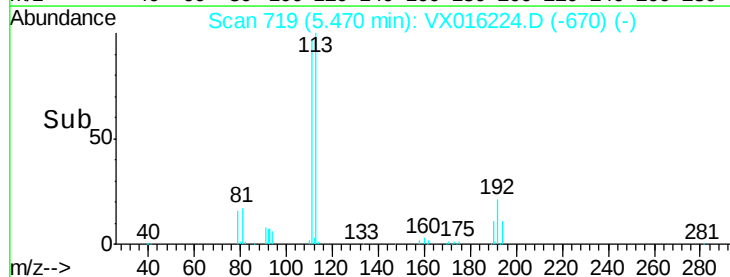
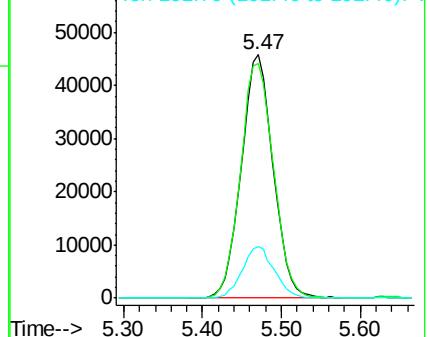
192 21.2 17.0 25.4

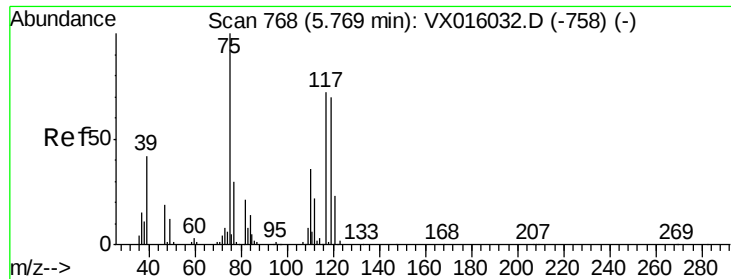


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.50 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016224.D

Acq: 14 May 2020 12:37

Instrument :

MSVOA_X

ClientSampleId :

D-1U

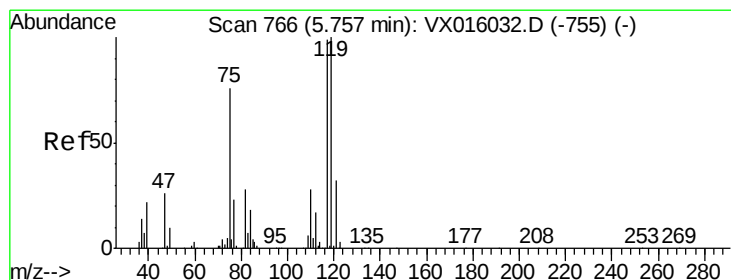
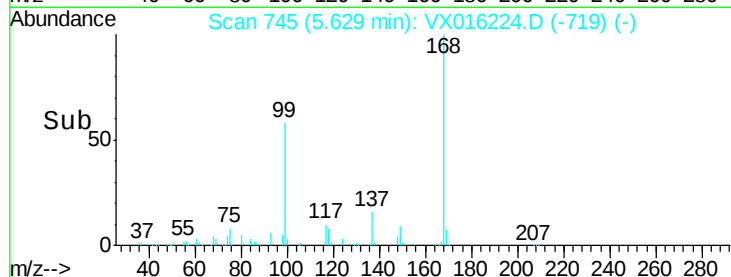
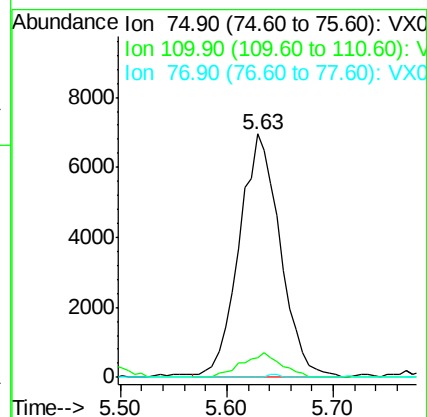
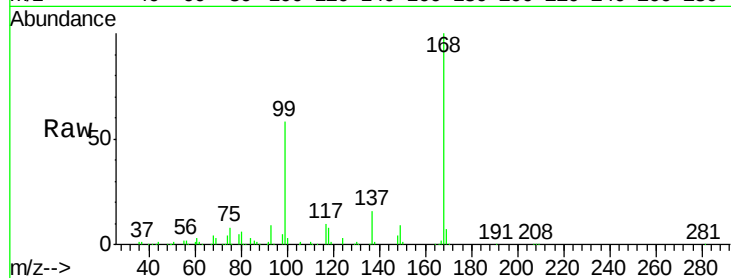
Tgt Ion: 75 Resp: 18859

Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.1#

77 0.3 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.82 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016224.D

Acq: 14 May 2020 12:37

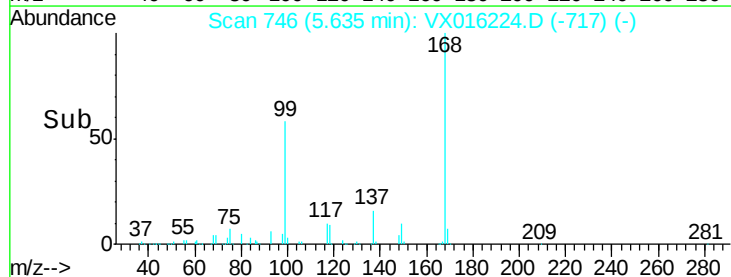
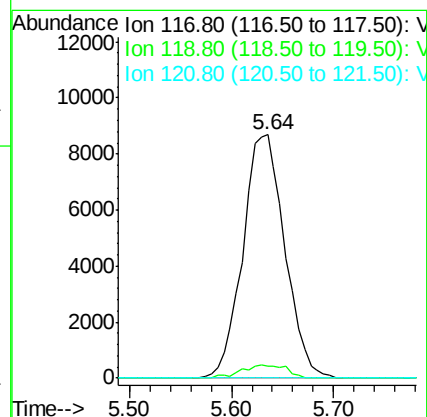
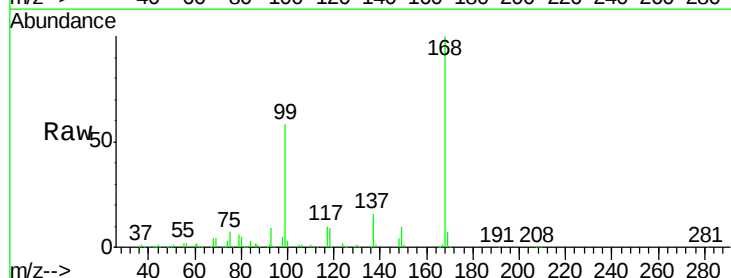
Tgt Ion: 117 Resp: 24749

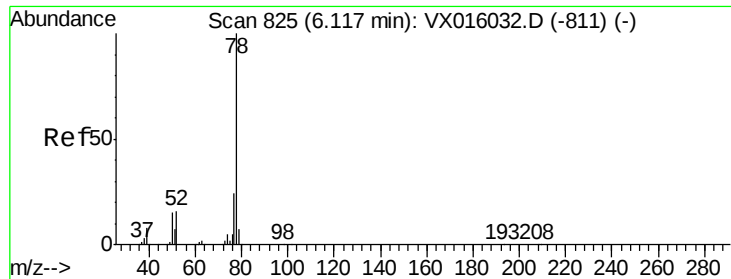
Ion Ratio Lower Upper

117 100

119 4.9 80.3 120.5#

121 0.0 25.7 38.5#





#40

Benzene

Concen: 0.54 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX016224.D

Acq: 14 May 2020 12:37

Instrument :

MSVOA_X

ClientSampleId :

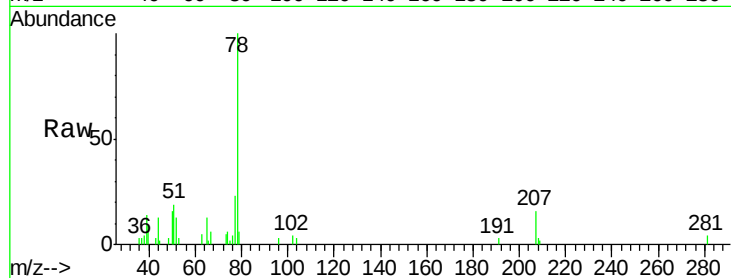
D-1U

Tgt Ion: 78 Resp: 6653

Ion Ratio Lower Upper

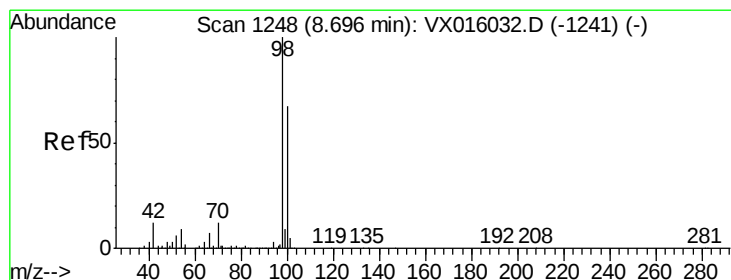
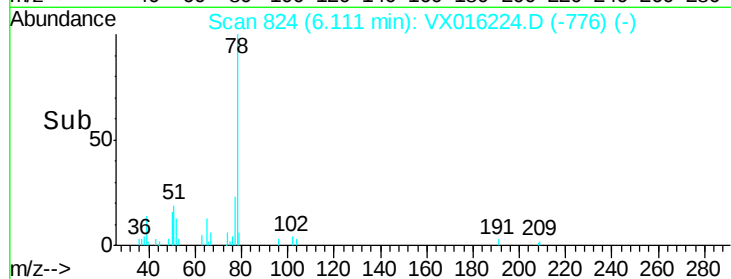
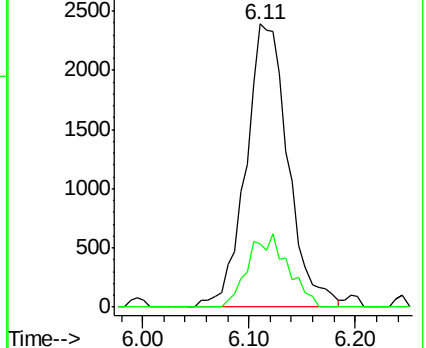
78 100

77 22.5 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 50.65 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016224.D

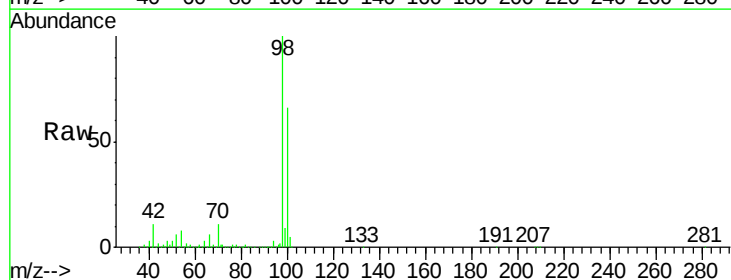
Acq: 14 May 2020 12:37

Tgt Ion: 98 Resp: 525845

Ion Ratio Lower Upper

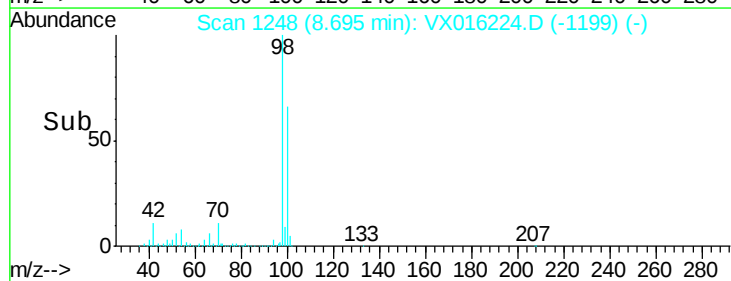
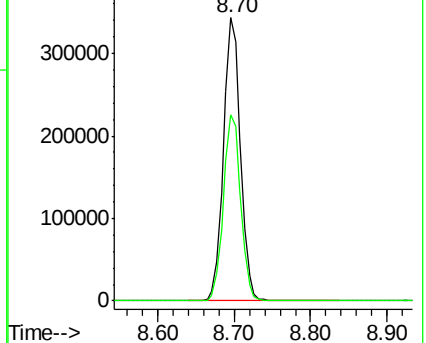
98 100

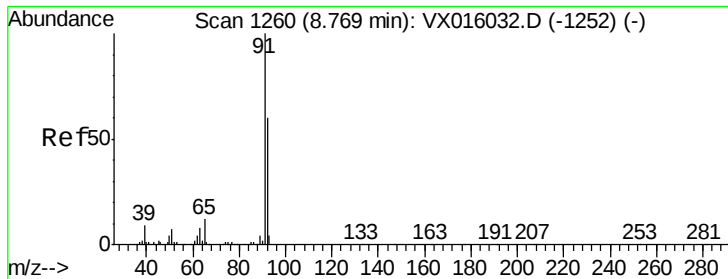
100 67.1 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.23 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016224.D

Acq: 14 May 2020 12:37

Instrument :

MSVOA_X

ClientSampleId :

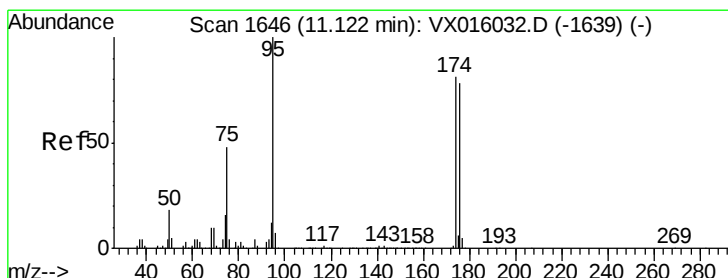
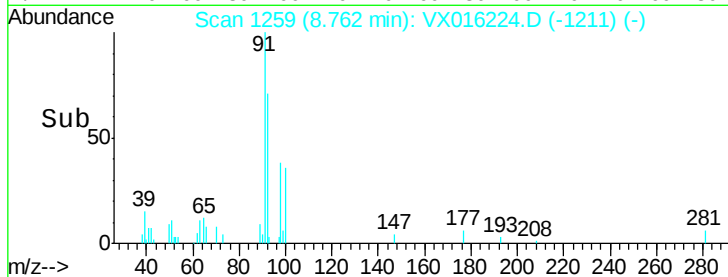
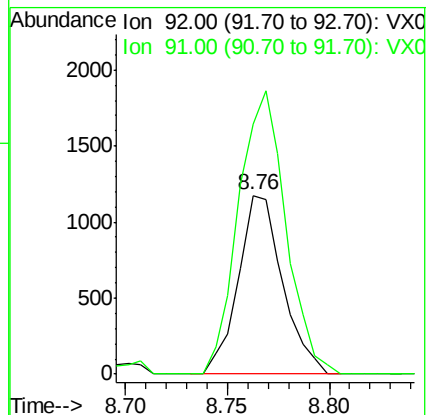
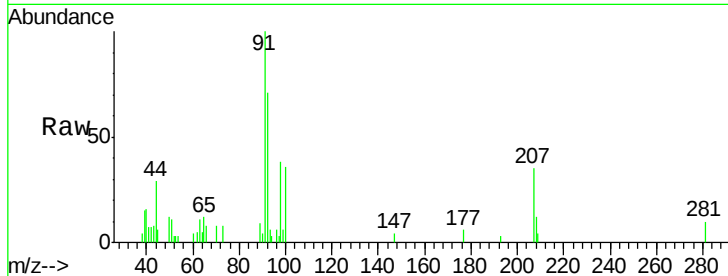
D-1U

Tgt Ion: 92 Resp: 1777

Ion Ratio Lower Upper

92 100

91 168.8 134.5 201.7



#62

4-Bromofluorobenzene

Concen: 53.54 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016224.D

Acq: 14 May 2020 12:37

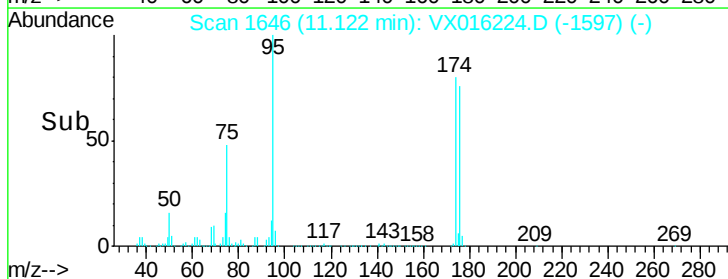
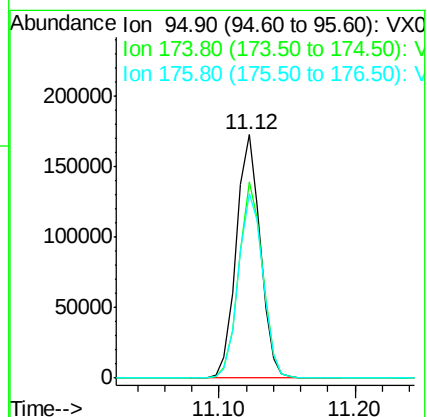
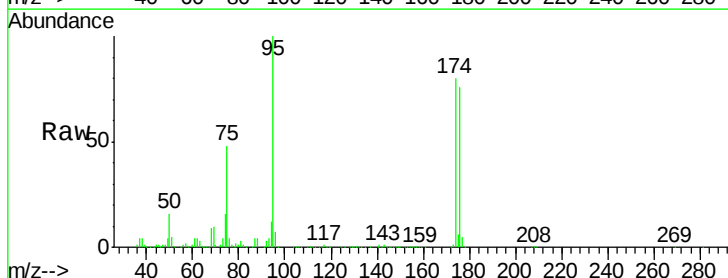
Tgt Ion: 95 Resp: 211429

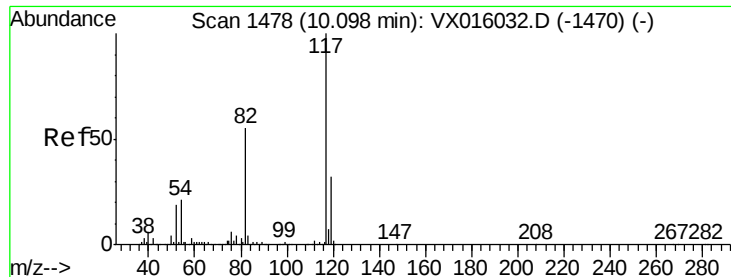
Ion Ratio Lower Upper

95 100

174 79.9 0.0 159.4

176 77.7 0.0 157.6

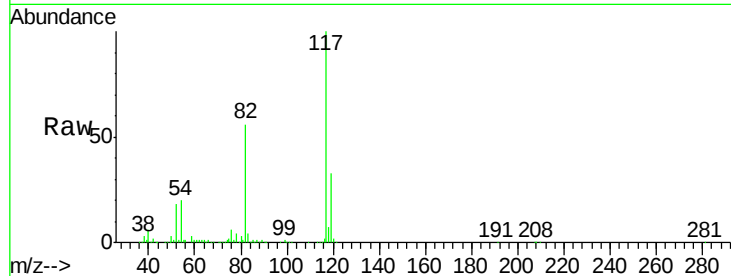




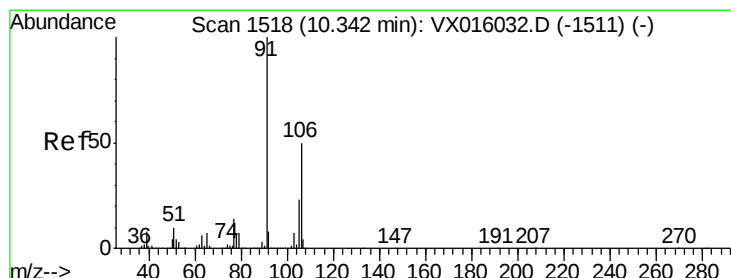
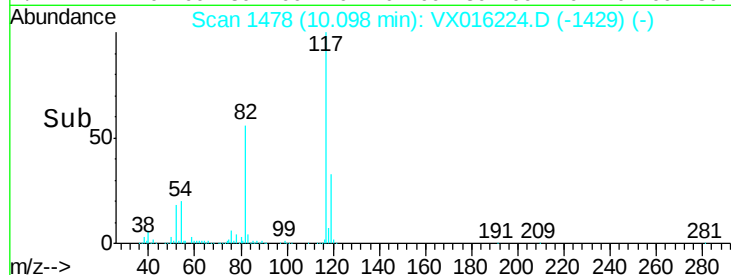
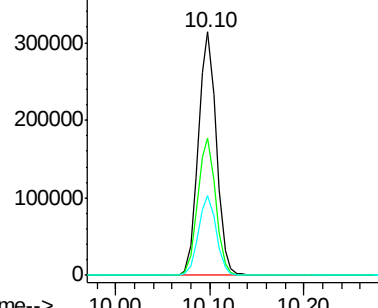
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016224.D
Acq: 14 May 2020 12:37

Instrument :
MSVOA_X
ClientSampled :
D-1U

Tgt Ion:117 Resp: 417823
Ion Ratio Lower Upper
117 100
82 56.4 44.4 66.6
119 32.6 25.5 38.3

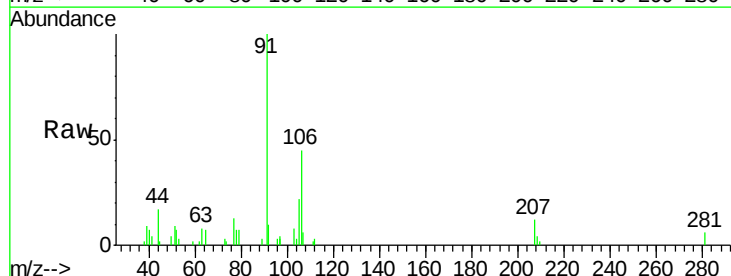


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

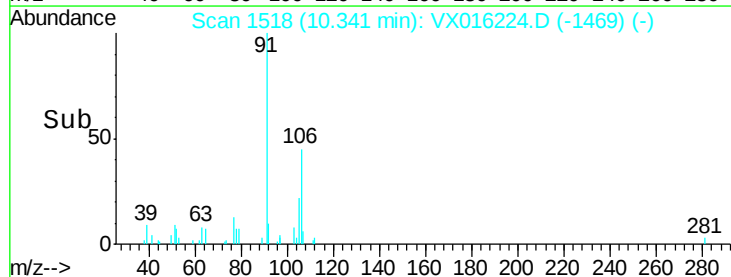
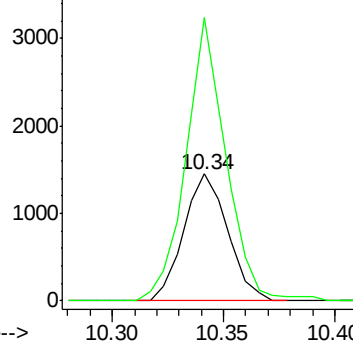


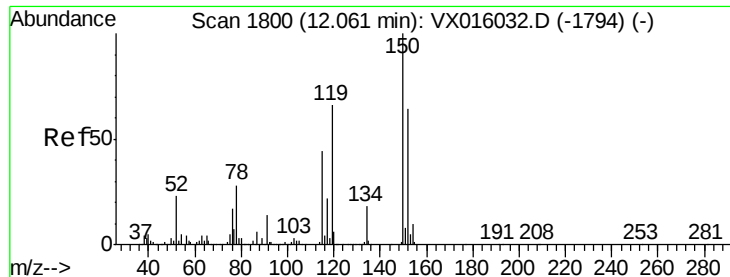
#68
m/p-Xylenes
Concen: 0.34 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016224.D
Acq: 14 May 2020 12:37

Tgt Ion:106 Resp: 1991
Ion Ratio Lower Upper
106 100
91 203.7 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016224.D

Acq: 14 May 2020 12:37

Instrument :

MSVOA_X

ClientSampleId :

D-1U

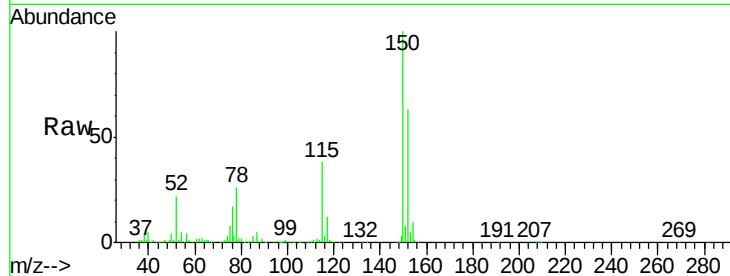
Tgt Ion: 152 Resp: 209128

Ion Ratio Lower Upper

152 100

115 59.6 41.3 124.1

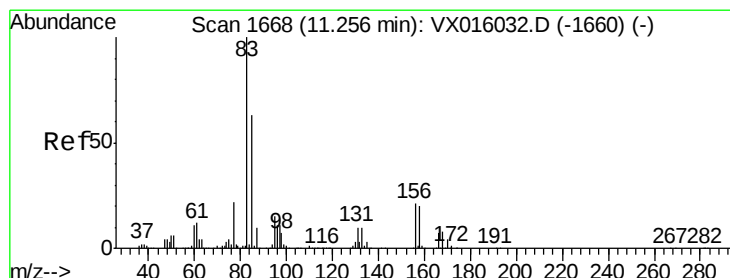
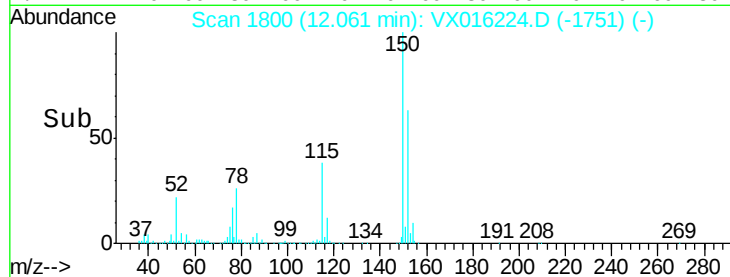
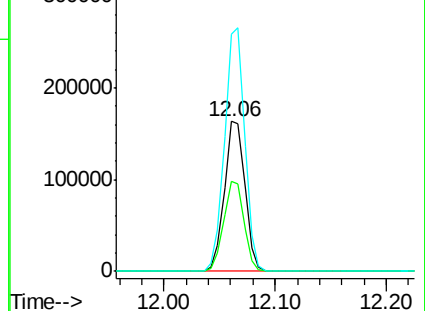
150 159.1 0.0 352.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 2.12 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.14 min

Lab File: VX016224.D

Acq: 14 May 2020 12:37

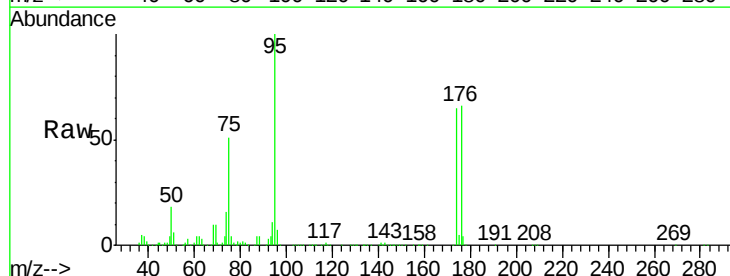
Tgt Ion: 83 Resp: 193

Ion Ratio Lower Upper

83 100

131 167.4 5.1 15.4#

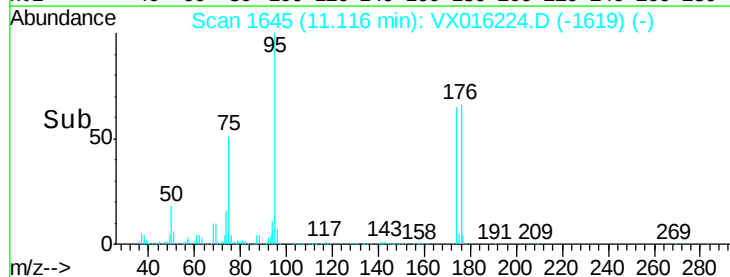
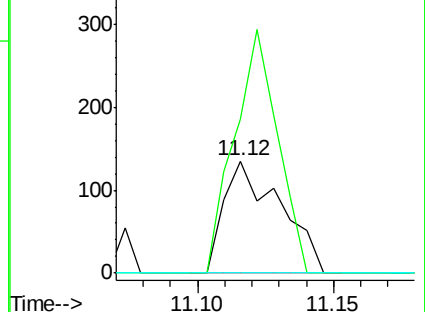
85 0.0 32.0 96.0#

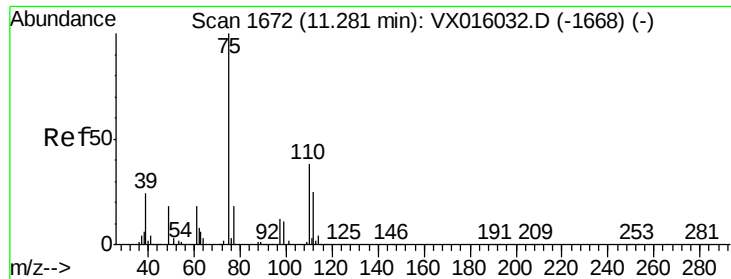


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

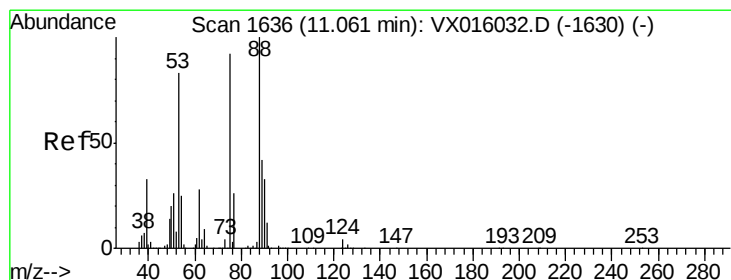
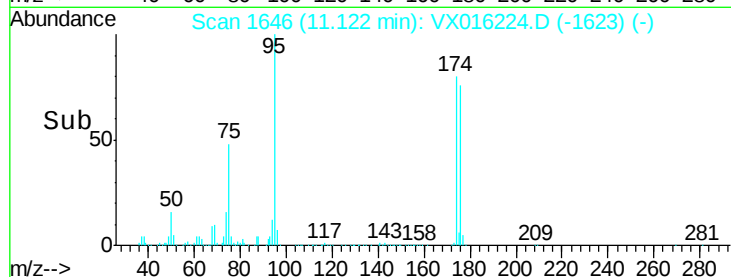
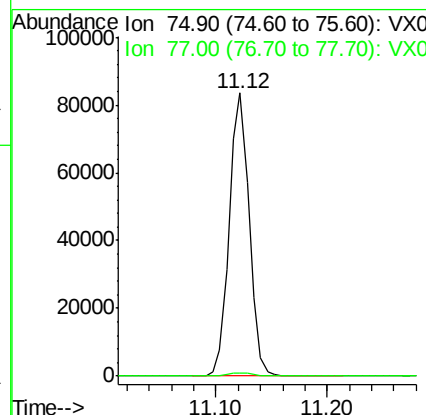
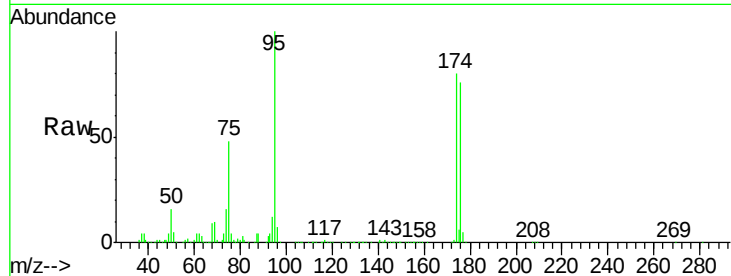




#76
 1,2,3-Trichloropropane
 Concen: 21.81 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX016224.D
 Acq: 14 May 2020 12:37

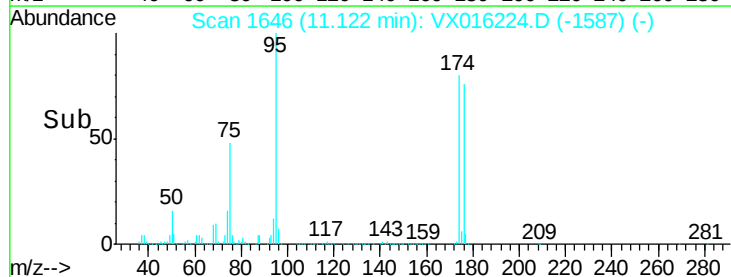
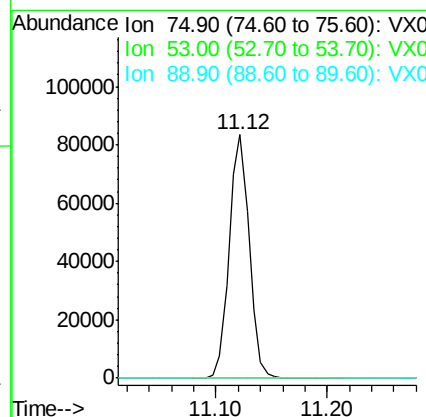
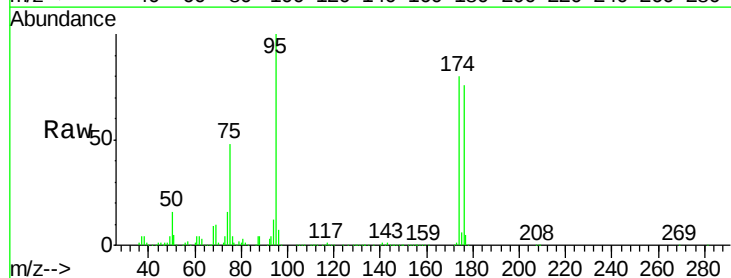
Instrument :
 MSVOA_X
 ClientSampleId :
 D-1U

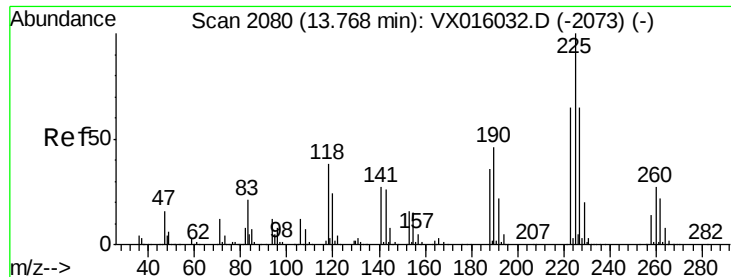
Tgt Ion: 75 Resp: 103525
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.2 63.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.99 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016224.D
 Acq: 14 May 2020 12:37

Tgt Ion: 75 Resp: 103525
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.0 36.7 55.1#





#94

Hexachlorobutadiene

Concen: 0.62 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016224.D

Acq: 14 May 2020 12:37

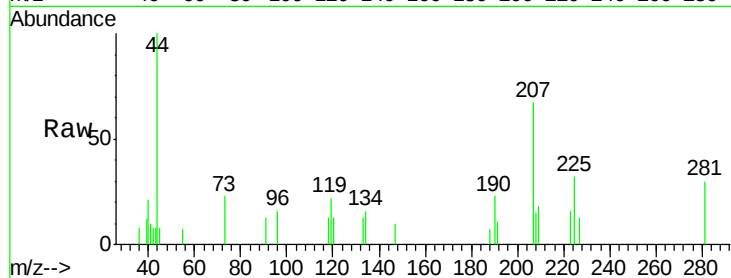
Instrument :

MSVOA_X

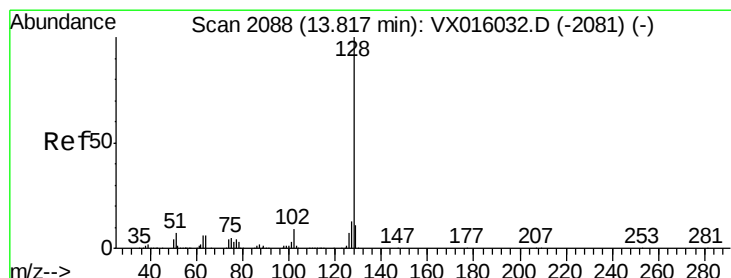
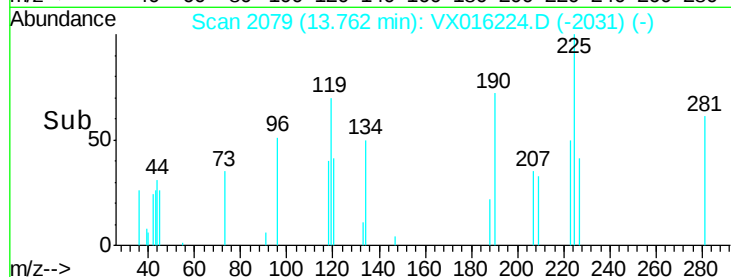
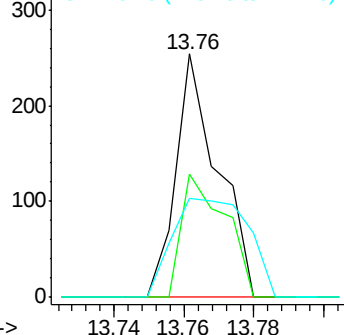
ClientSampleId :

D-1U

Tgt Ion:	225	Resp:	211
Ion	Ratio	Lower	Upper
225	100		
223	52.6	32.3	96.9
227	73.5	31.8	95.4



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: 10.50 ug/l

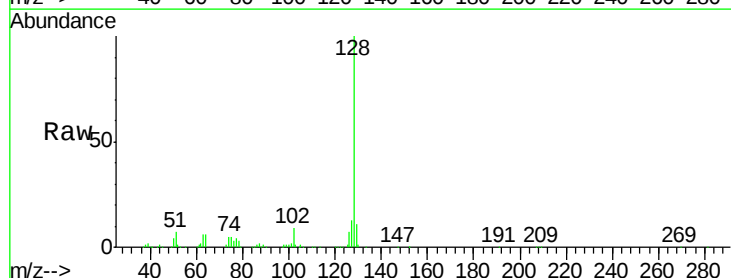
RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016224.D

Acq: 14 May 2020 12:37

Tgt Ion:	128	Resp:	170851
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
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

