

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070220\
 Data File : VX017157.D
 Acq On : 02 Jul 2020 18:34
 Operator : JC/SP
 Sample : L3212-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 06 08:00:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	207064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	349713	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	356732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	191963	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	137546	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
35) Dibromofluoromethane	5.46	113	116863	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
50) Toluene-d8	8.70	98	423850	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
62) 4-Bromofluorobenzene	11.12	95	172517	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	

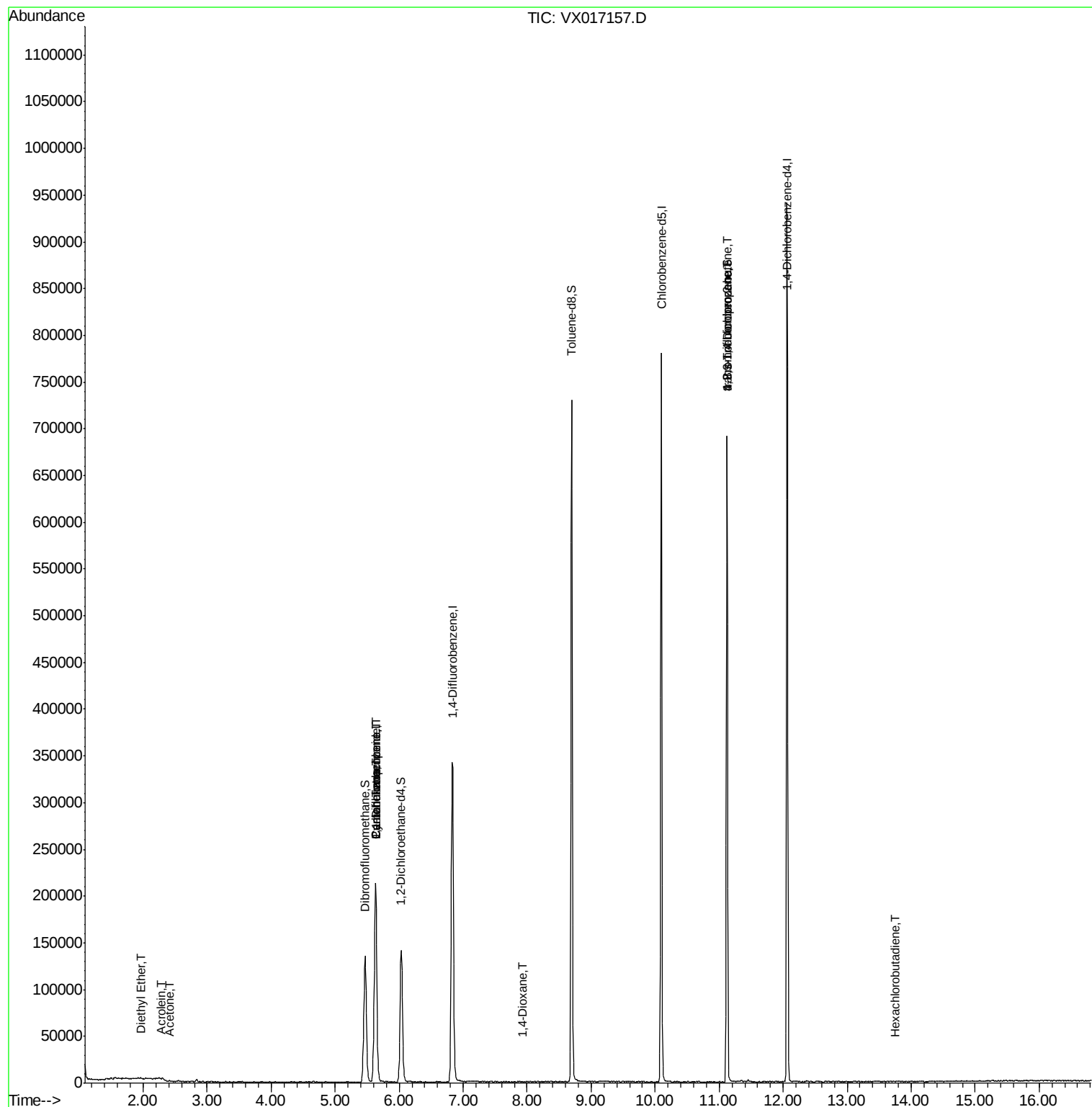
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.97	74	87	0.443	ug/l	92
13) Acrolein	2.28	56	199	0.684	ug/l #	24
16) Acetone	2.42	43	582	0.609	ug/l #	75
20) Methylene Chloride	2.85	84	1243	Below Cal	#	67
31) Cyclohexane	5.63	56	4166	1.209	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	14928	4.517	ug/l #	51
38) Carbon Tetrachloride	5.63	117	20136	5.531	ug/l #	18
44) Trichloroethene	7.18	130	62	Below Cal		94
49) 1,4-Dioxane	7.92	88	20	0.333	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	87431	23.161	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	87431	59.980	ug/l #	13
88) 1,4-Dichlorobenzene	12.08	146	539	Below Cal	#	1
94) Hexachlorobutadiene	13.76	225	20	0.857	ug/l #	17

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017157.D

Acq: 02 Jul 2020 18:34

Instrument :

MSVOA_X

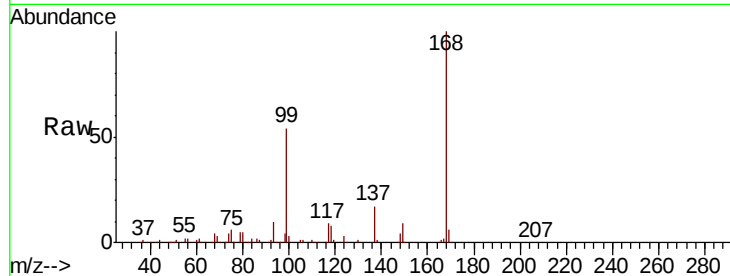
ClientSampled :

Tot Ion:168 Resp: 207064

Ion Ratio Lower Upper

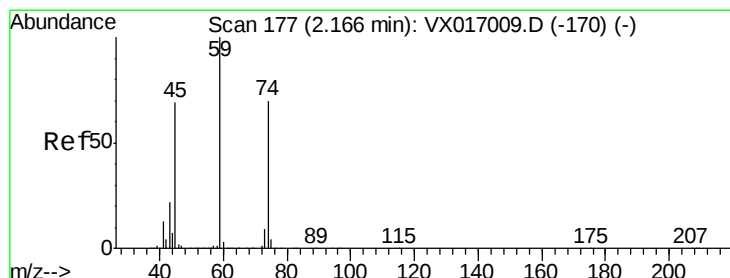
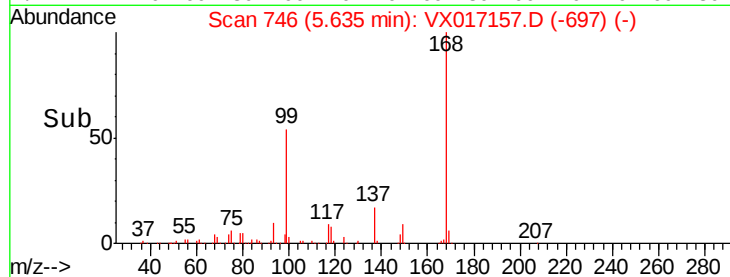
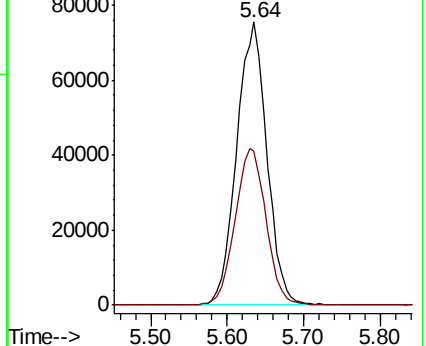
168 100

99 54.4 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.443 ug/l

RT: 1.97 min Scan# 144

Delta R.T. -0.20 min

Lab File: VX017157.D

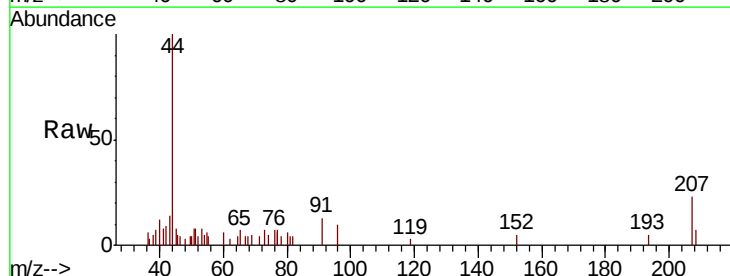
Acq: 02 Jul 2020 18:34

Tgt Ion: 74 Resp: 87

Ion Ratio Lower Upper

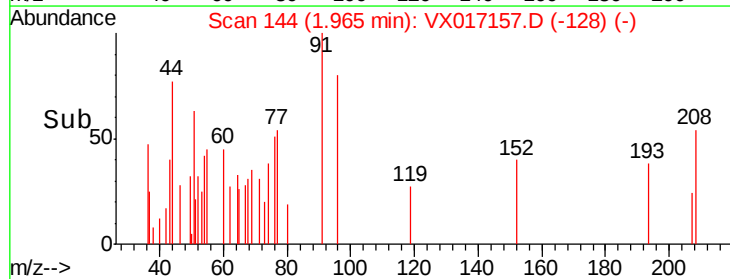
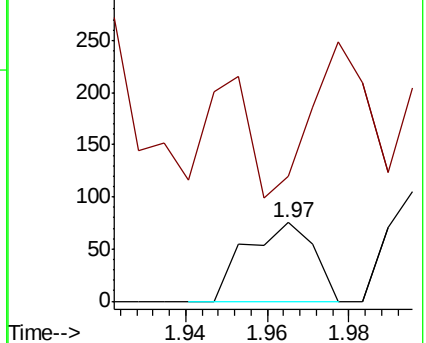
74 100

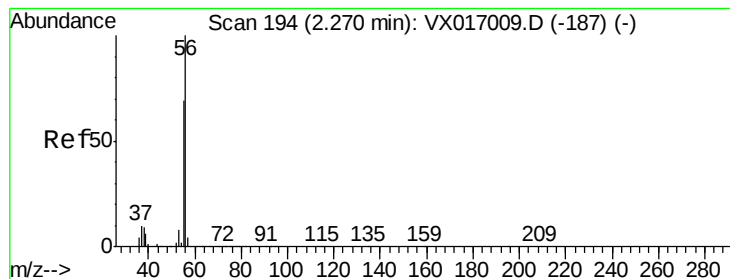
45 92.0 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#13

Acrolein

Concen: 0.684 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX017157.D

Acq: 02 Jul 2020 18:34

Instrument :

MSVOA_X

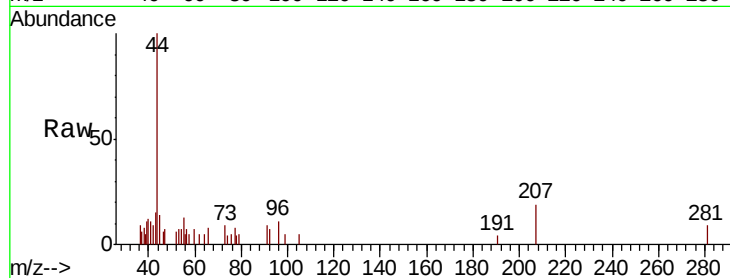
ClientSampleId :

Tot Ion: 56 Resp: 199

Ion Ratio Lower Upper

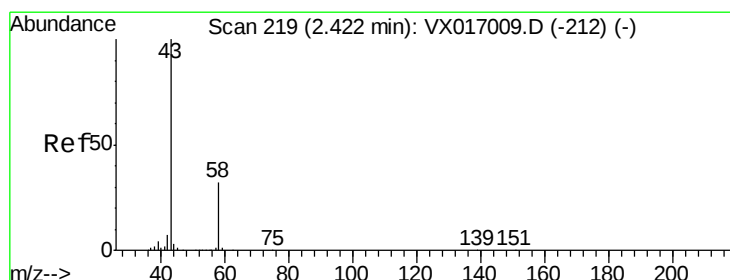
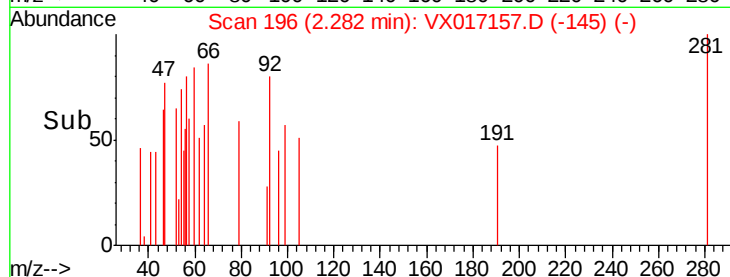
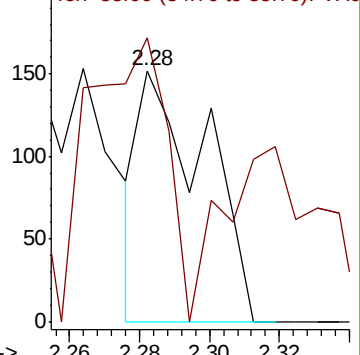
56 100

55 131.7 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.609 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017157.D

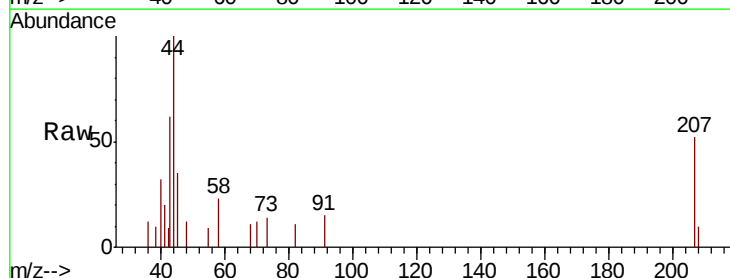
Acq: 02 Jul 2020 18:34

Tgt Ion: 43 Resp: 582

Ion Ratio Lower Upper

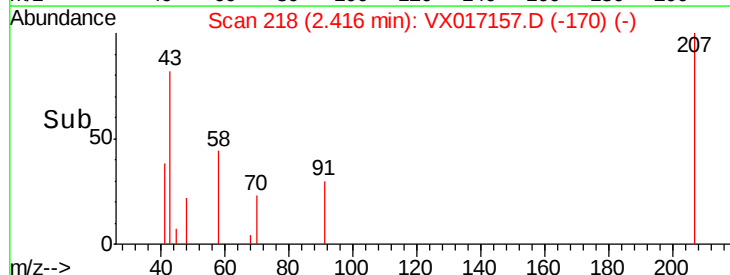
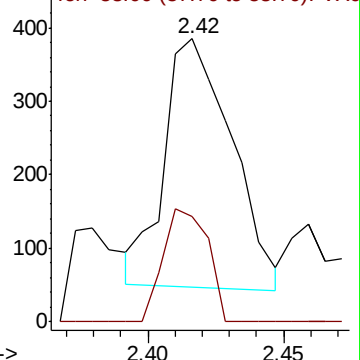
43 100

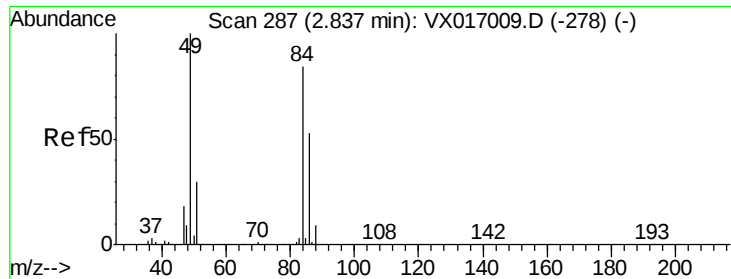
58 45.8 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

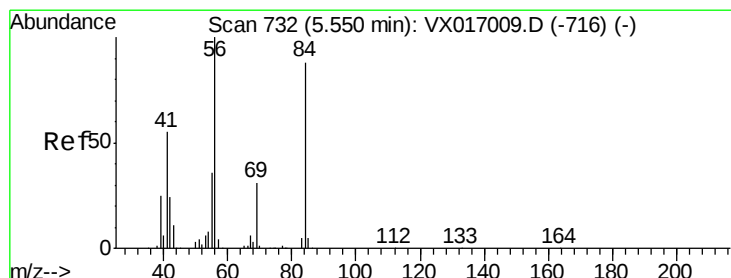
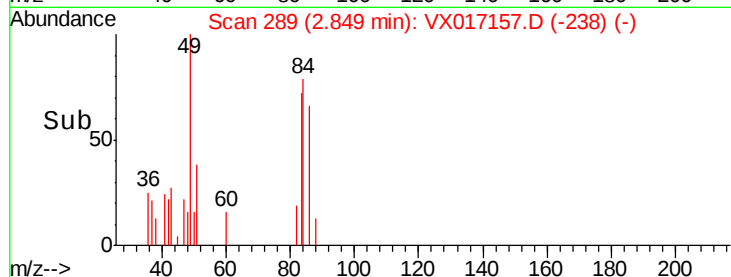
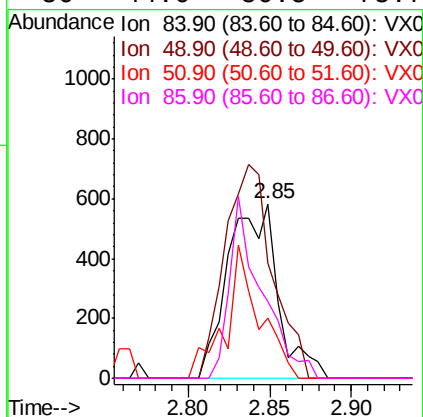
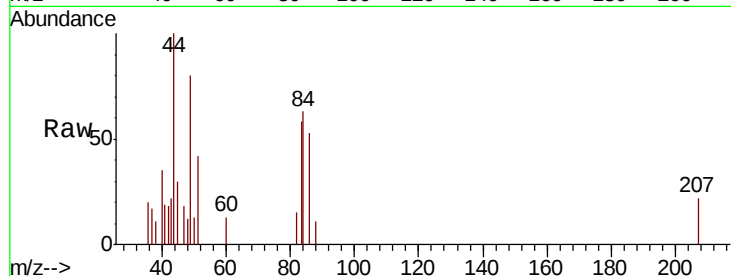




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 289
Delta R.T. 0.01 min
Lab File: VX017157.D
Acq: 02 Jul 2020 18:34

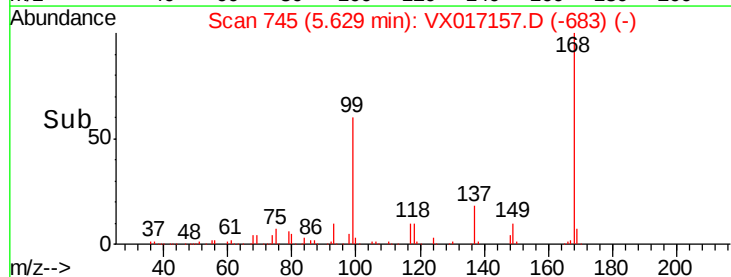
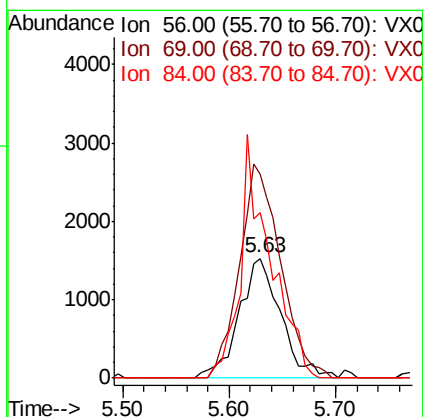
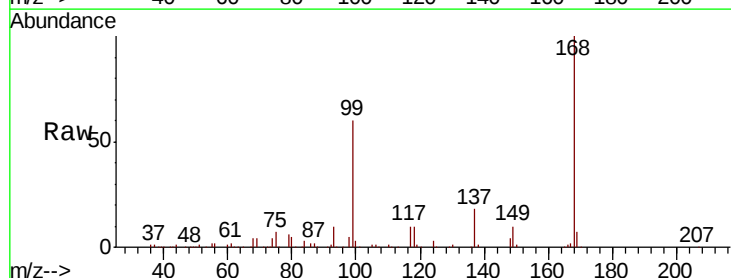
Instrument :
MSVOA_X
ClientSampleId :

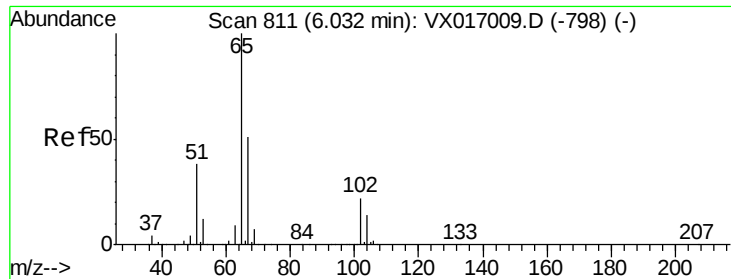
Tot Ion: 84 Resp: 1243
Ion Ratio Lower Upper
84 100
49 66.3 94.7 142.1#
51 34.2 28.6 42.8
86 44.0 50.5 75.7#



#31
Cyclohexane
Concen: 1.209 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017157.D
Acq: 02 Jul 2020 18:34

Tgt Ion: 56 Resp: 4166
Ion Ratio Lower Upper
56 100
69 170.4 25.0 37.4#
84 138.6 69.1 103.7#

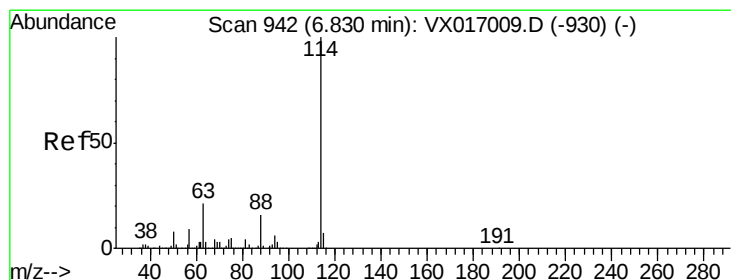
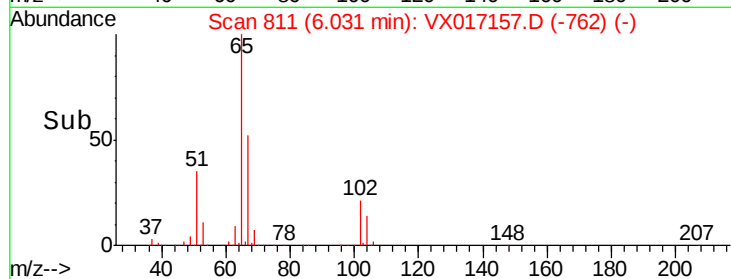
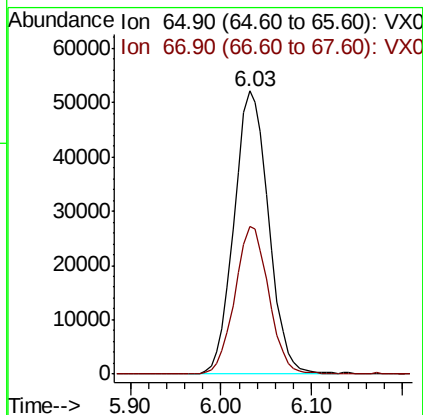
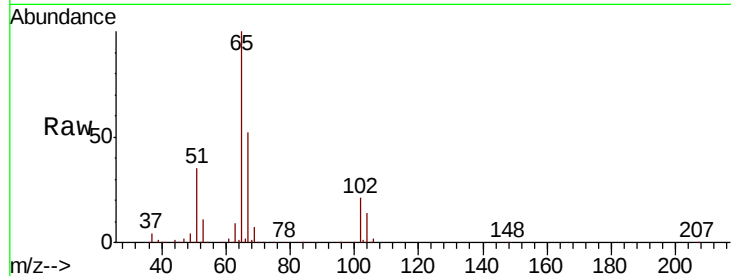




#33
 1,2-Dichloroethane-d4
 Concen: 53.883 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017157.D
 Acq: 02 Jul 2020 18:34

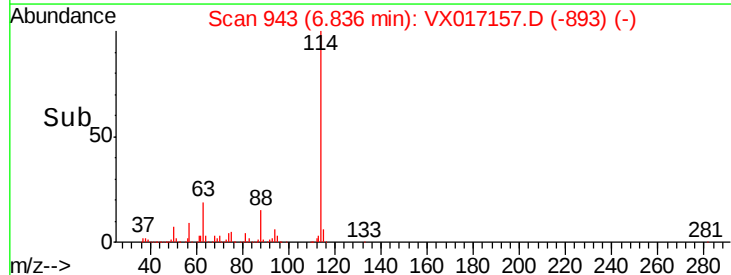
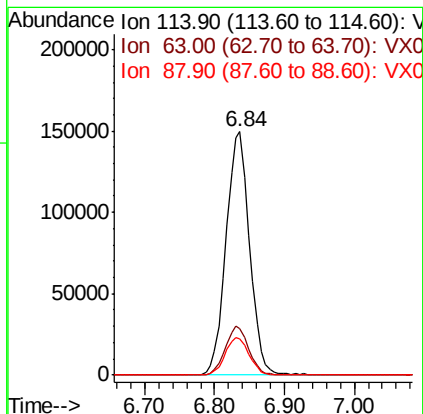
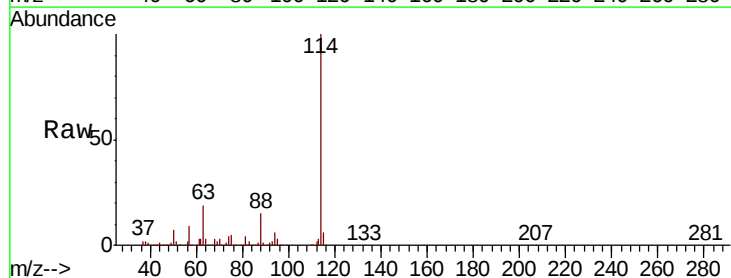
Instrument :
 MSVOA_X
 ClientSampleId :

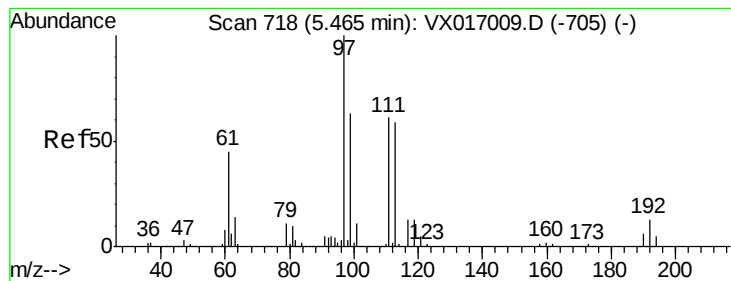
Tot Ion: 65 Resp: 137546
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX017157.D
 Acq: 02 Jul 2020 18:34

Tgt Ion: 114 Resp: 349713
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 41.4
 88 15.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 52.827 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017157.D

Acq: 02 Jul 2020 18:34

Instrument :

MSVOA_X

ClientSampled :

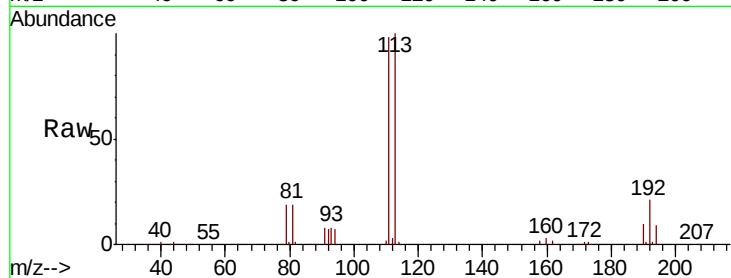
Tot Ion:113 Resp: 116863

Ion Ratio Lower Upper

113 100

111 101.6 81.9 122.9

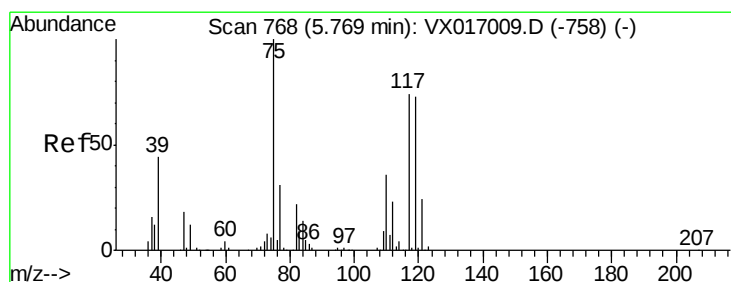
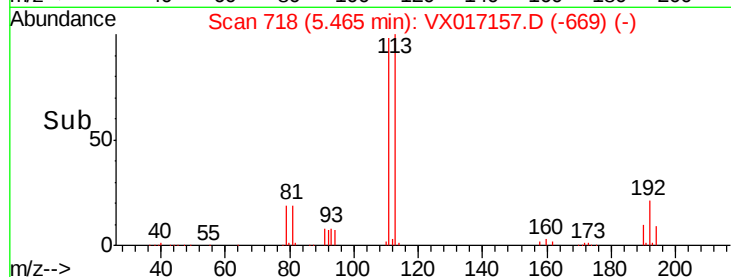
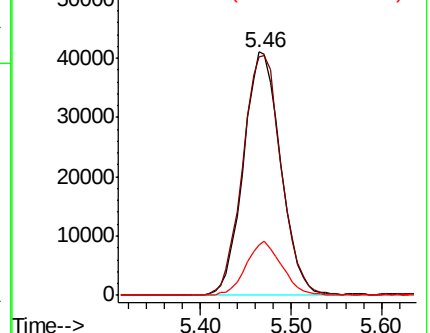
192 21.3 16.7 25.1



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: 4.517 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017157.D

Acq: 02 Jul 2020 18:34

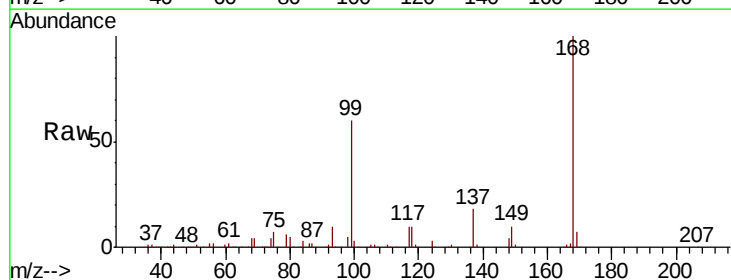
Tgt Ion: 75 Resp: 14928

Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.1#

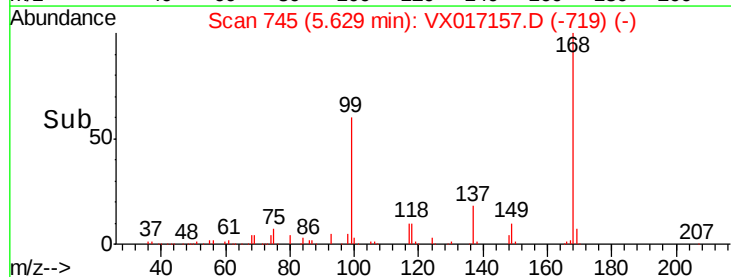
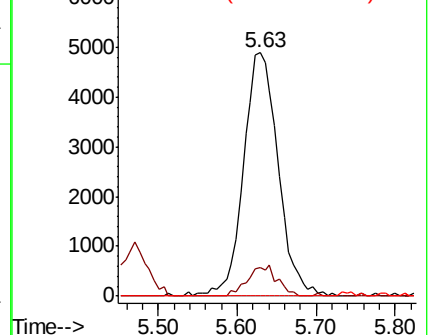
77 0.0 24.6 37.0#

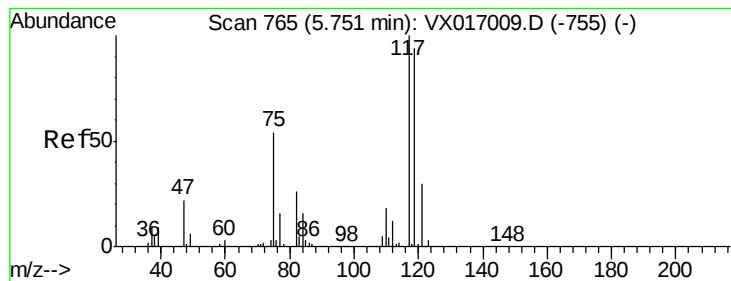


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.531 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017157.D

Acq: 02 Jul 2020 18:34

Instrument :

MSVOA_X

ClientSampled :

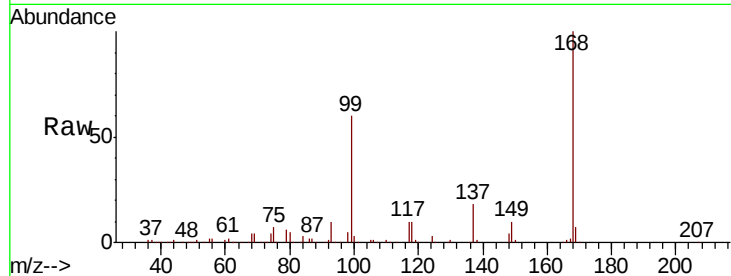
Tot Ion:117 Resp: 20136

Ion Ratio Lower Upper

117 100

119 6.3 75.4 113.0#

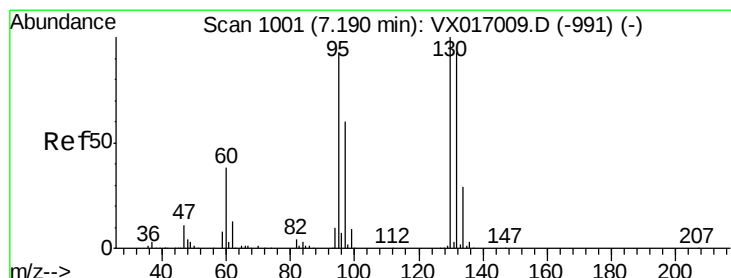
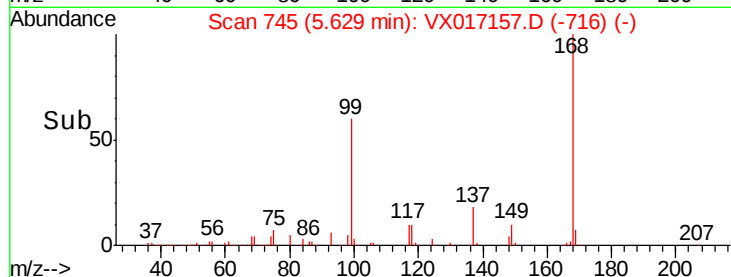
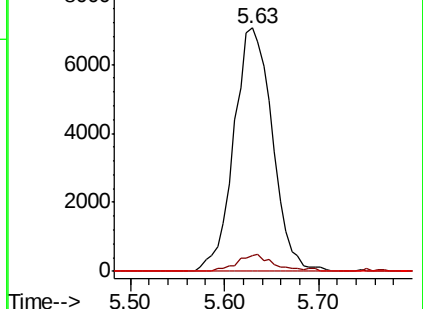
121 0.0 23.8 35.6#



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



#44

Trichloroethene

Concen: Below Cal

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX017157.D

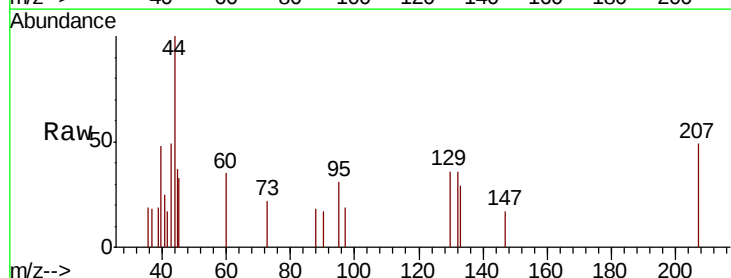
Acq: 02 Jul 2020 18:34

Tgt Ion:130 Resp: 62

Ion Ratio Lower Upper

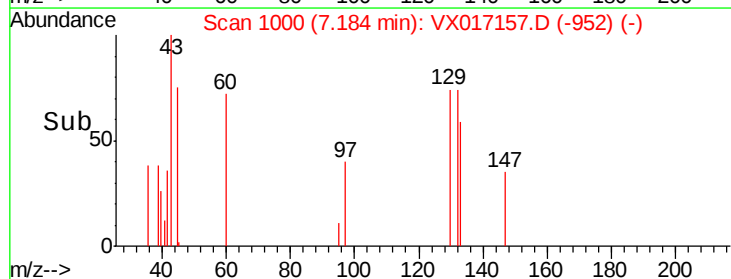
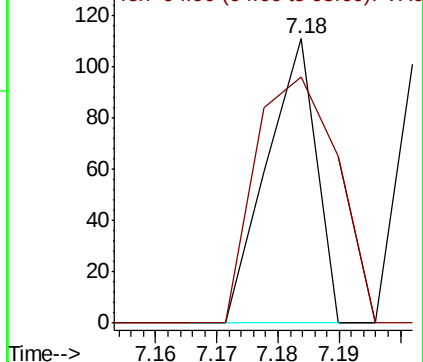
130 100

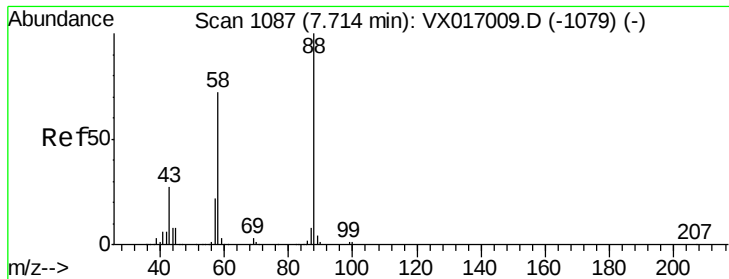
95 86.5 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

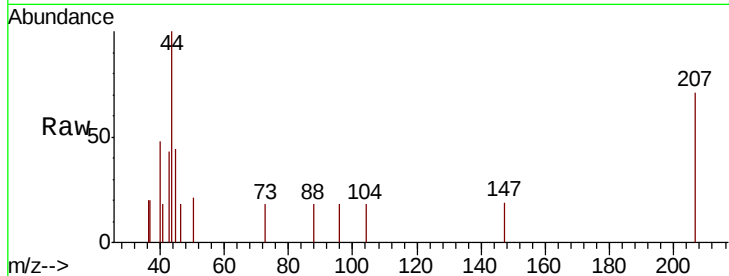




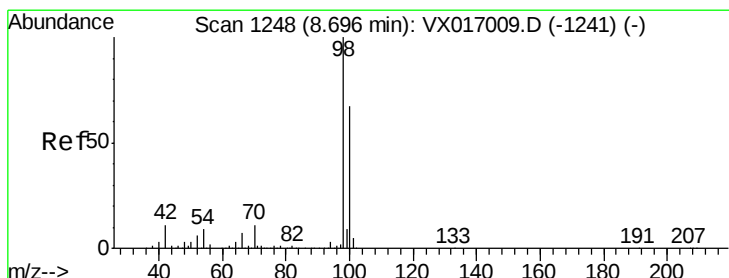
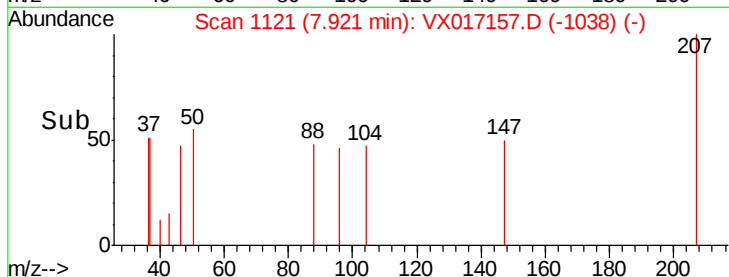
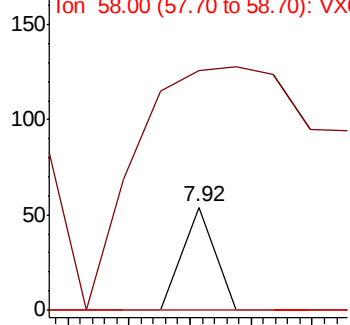
#49
1,4-Dioxane
Concen: 0.333 ug/l
RT: 7.92 min Scan# 1121
Delta R.T. 0.21 min
Lab File: VX017157.D
Acq: 02 Jul 2020 18:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 1375.0 25.8 38.8#
58 0.0 54.8 82.2#

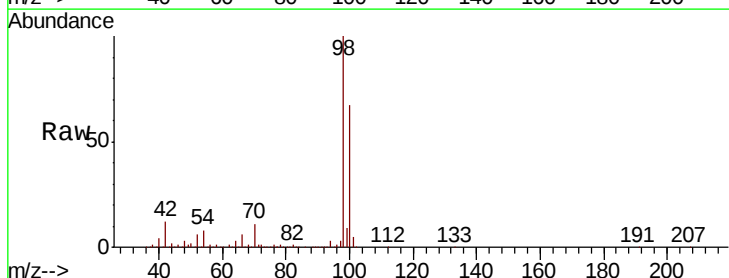


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

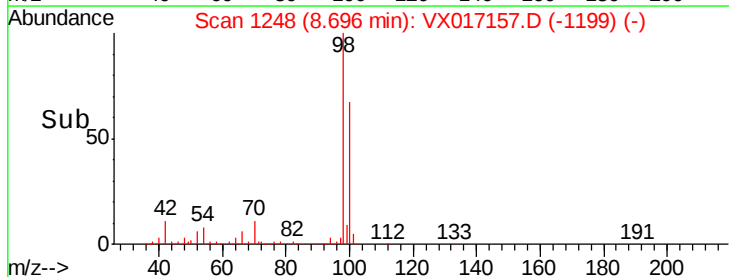
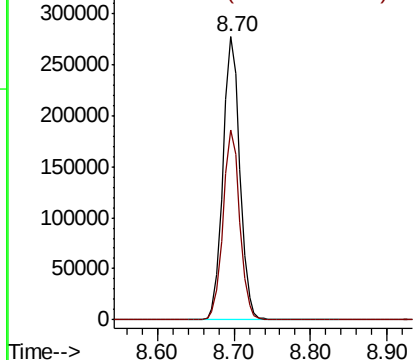


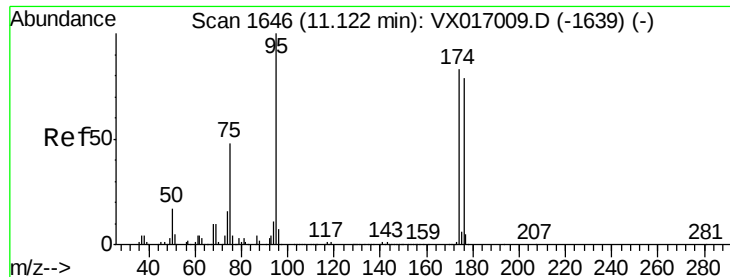
#50
Toluene-d8
Concen: 51.814 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017157.D
Acq: 02 Jul 2020 18:34

Tgt Ion: 98 Resp: 423850
Ion Ratio Lower Upper
98 100
100 66.3 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

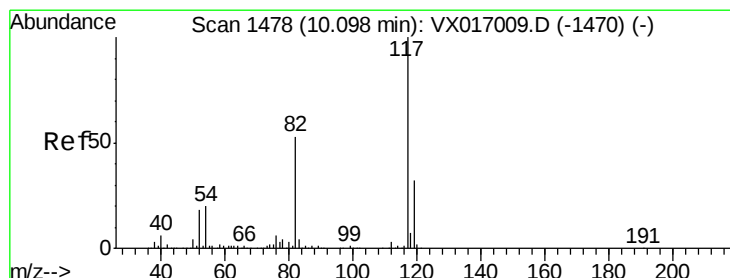
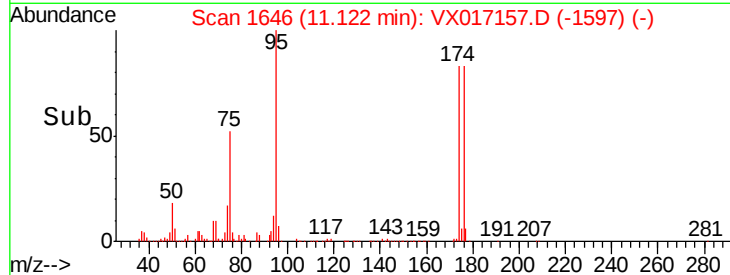
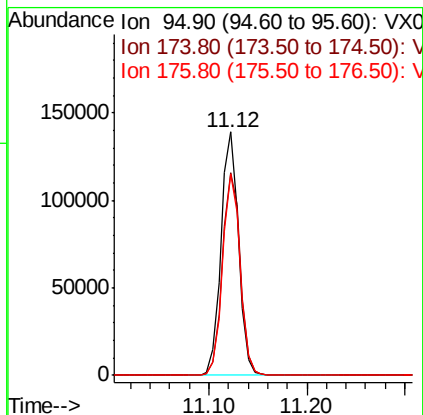
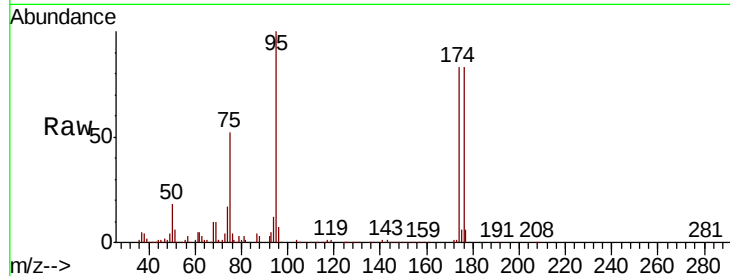




#62
 4-Bromofluorobenzene
 Concen: 53.950 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX017157.D
 Acq: 02 Jul 2020 18:34

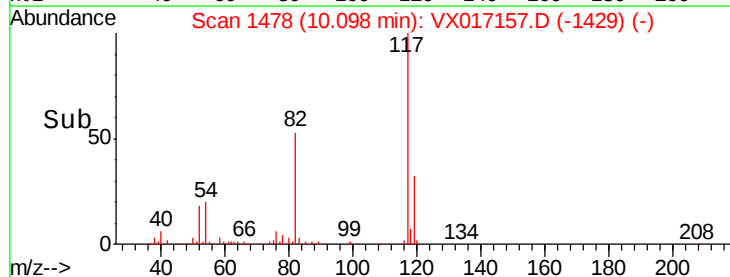
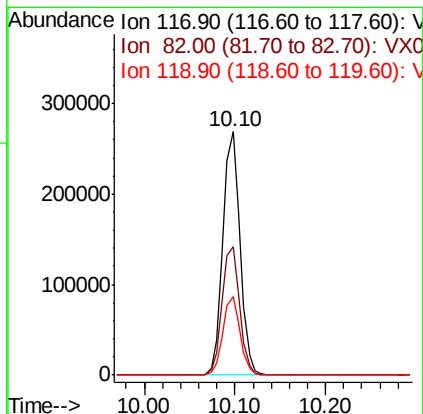
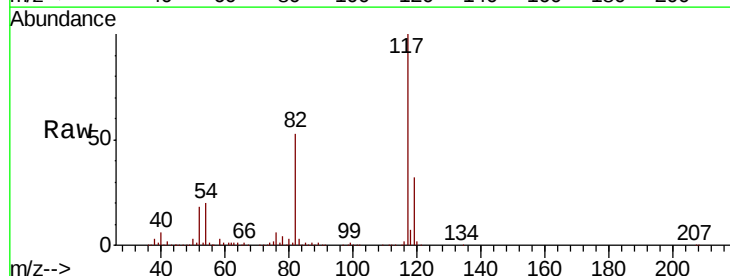
Instrument :
 MSVOA_X
 ClientSampled :

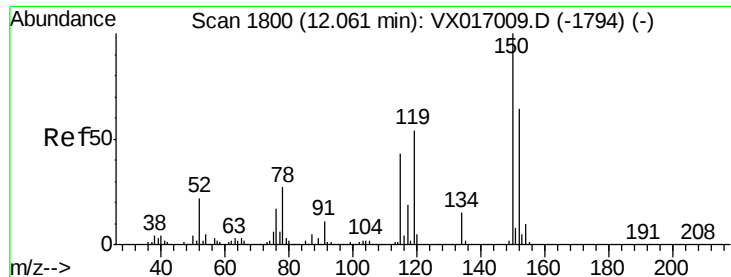
Tot Ion: 95 Resp: 172517
 Ion Ratio Lower Upper
 95 100
 174 85.1 0.0 164.0
 176 82.5 0.0 157.6



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.10 min Scan# 1478
 Delta R.T. -0.00 min
 Lab File: VX017157.D
 Acq: 02 Jul 2020 18:34

Tgt Ion: 117 Resp: 356732
 Ion Ratio Lower Upper
 117 100
 82 52.9 42.6 63.8
 119 32.3 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017157.D

Acq: 02 Jul 2020 18:34

Instrument :

MSVOA_X

ClientSampleId :

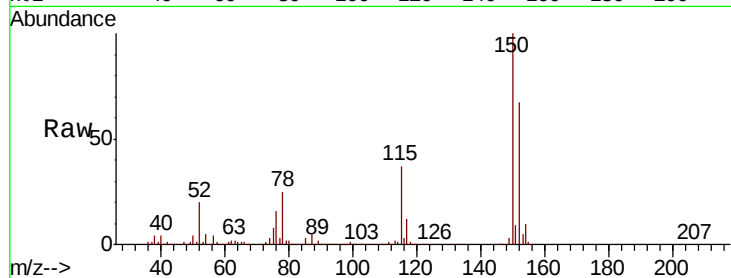
Tot Ion:152 Resp: 191963

Ion Ratio Lower Upper

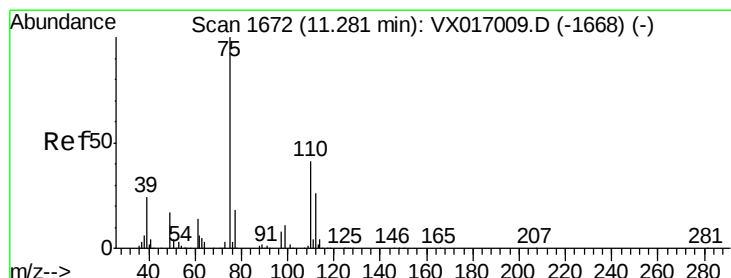
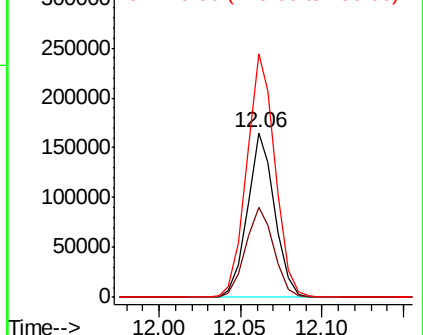
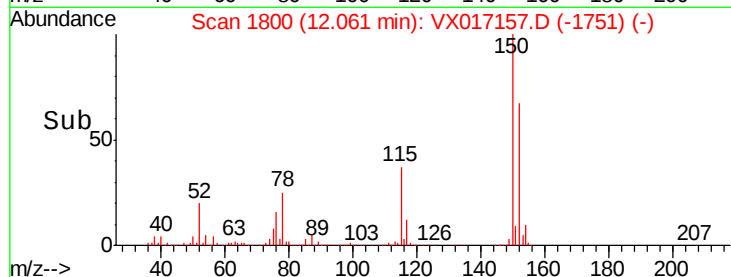
152 100

115 56.7 40.9 122.7

150 154.0 0.0 351.6



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



#76

1,2,3-Trichloropropane

Concen: 23.161 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017157.D

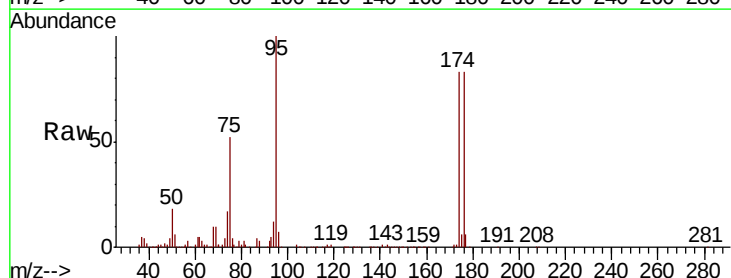
Acq: 02 Jul 2020 18:34

Tgt Ion: 75 Resp: 87431

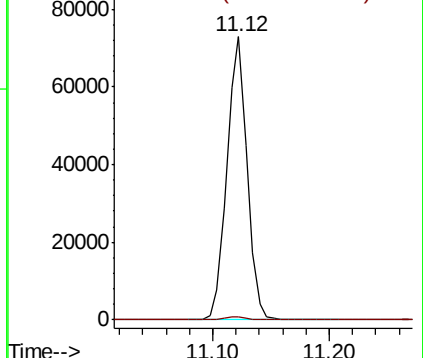
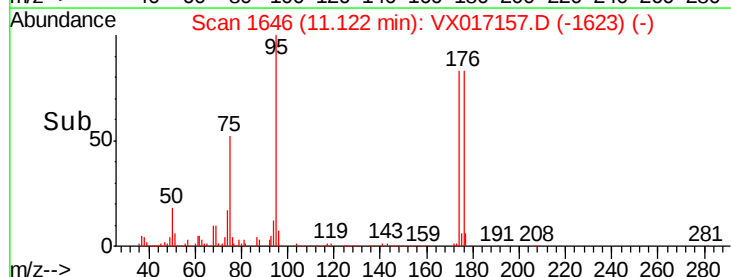
Ion Ratio Lower Upper

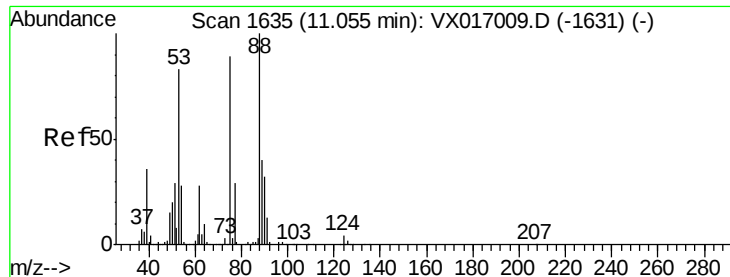
75 100

77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.980 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017157.D

Acq: 02 Jul 2020 18:34

Instrument :

MSVOA_X

ClientSampled :

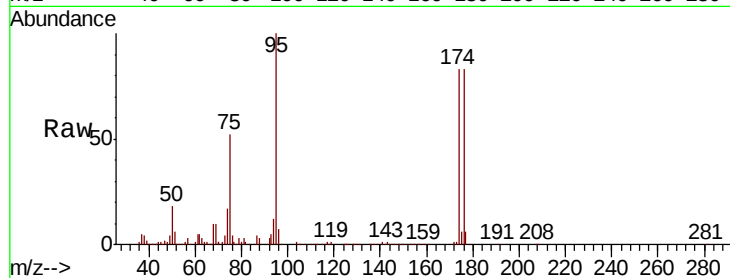
Tot Ion: 75 Resp: 87431

Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

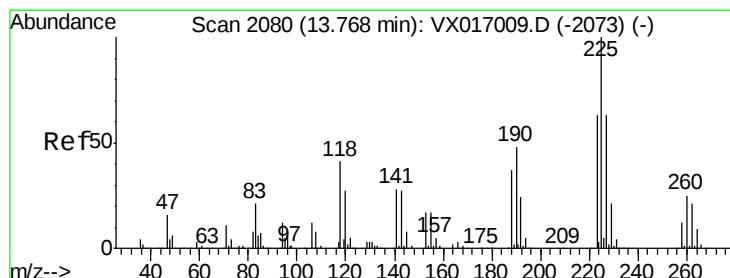
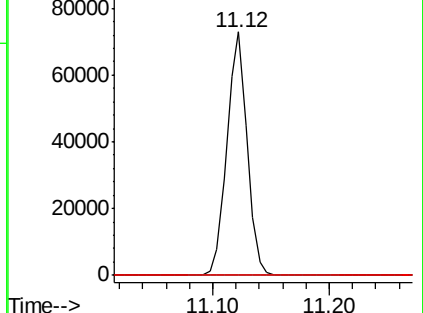
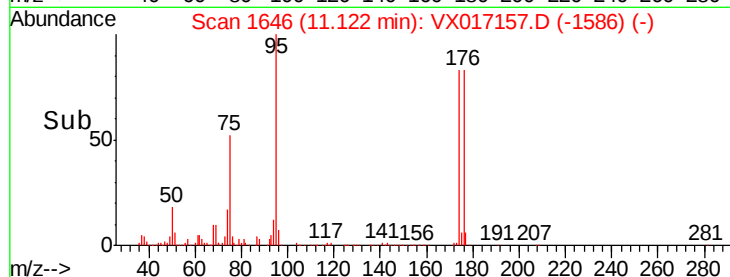
89 0.1 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#94

Hexachlorobutadiene

Concen: 0.857 ug/l

RT: 13.76 min Scan# 2078

Delta R.T. -0.01 min

Lab File: VX017157.D

Acq: 02 Jul 2020 18:34

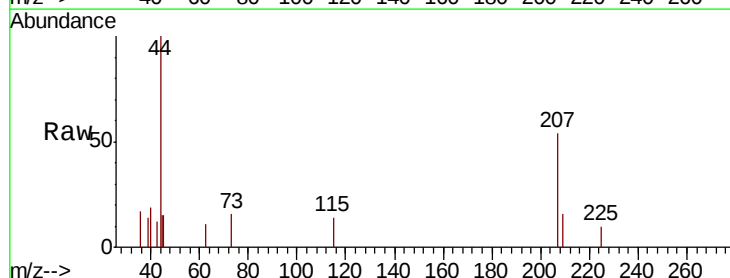
Tgt Ion: 225 Resp: 20

Ion Ratio Lower Upper

225 100

223 0.0 32.5 97.5#

227 0.0 33.1 99.2#



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

