

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110920\
 Data File : VX019361.D
 Acq On : 09 Nov 2020 12:44
 Operator : JC/MD
 Sample : L4670-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 10 01:42:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	305208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	531025	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	499148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	253202	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	207880	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	
35) Dibromofluoromethane	5.46	113	163152	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
50) Toluene-d8	8.70	98	655091	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
62) 4-Bromofluorobenzene	11.12	95	251546	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	

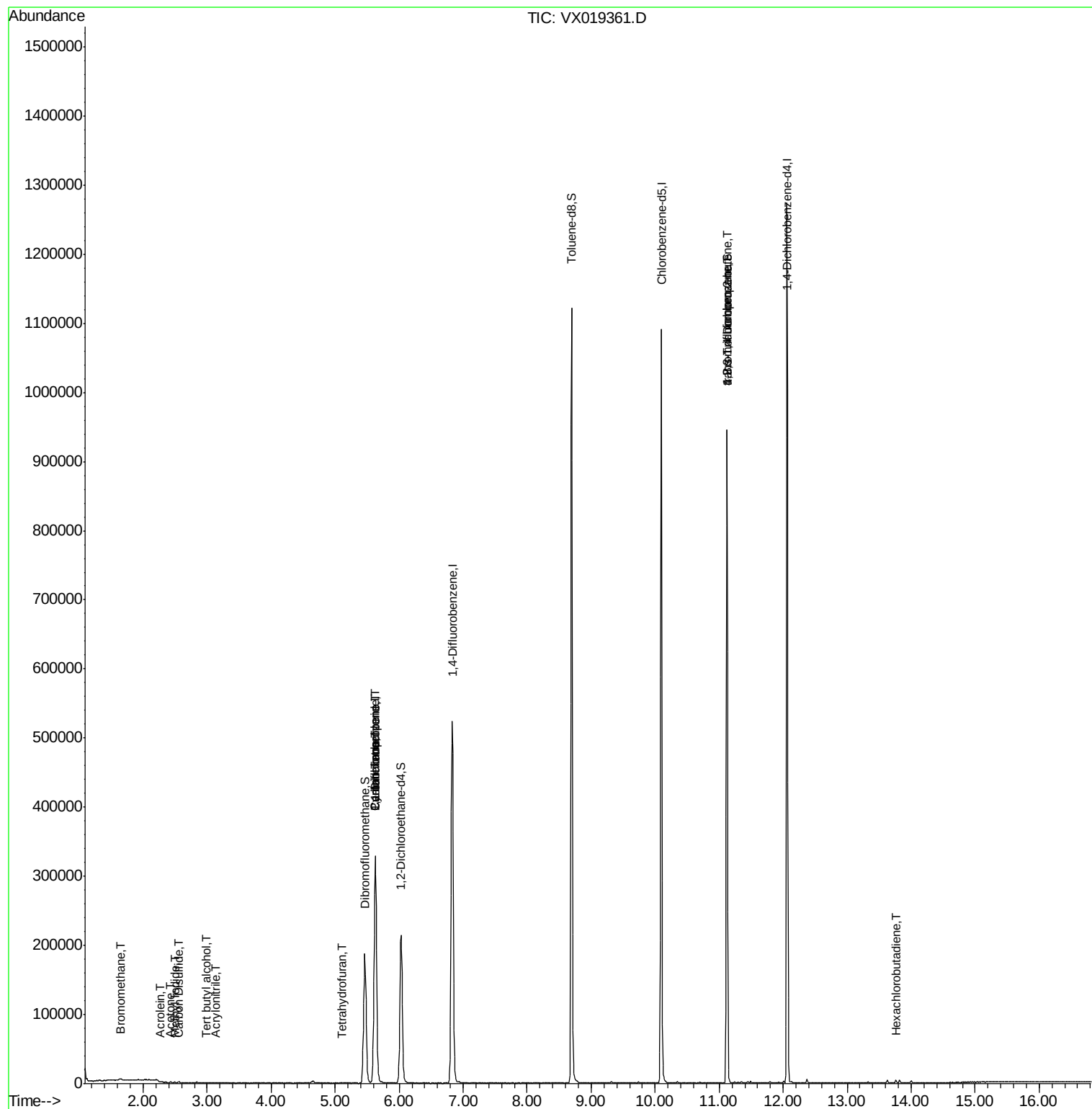
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	545	0.242	ug/l	94
10) Methyl Iodide	2.50	142	677	6.553	ug/l #	94
11) Tert butyl alcohol	2.99	59	506	0.651	ug/l #	72
13) Acrolein	2.27	56	192	6.188	ug/l #	16
15) Acrylonitrile	3.12	53	481	0.294	ug/l	95
16) Acetone	2.42	43	864	0.636	ug/l #	84
17) Carbon Disulfide	2.55	76	1712	0.960	ug/l #	87
29) Tetrahydrofuran	5.12	42	398	0.295	ug/l #	36
31) Cyclohexane	5.63	56	6844	1.376	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	26147	5.332	ug/l #	49
38) Carbon Tetrachloride	5.63	117	32254	6.453	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	128247	24.530	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	128247	64.588	ug/l #	12
94) Hexachlorobutadiene	13.77	225	574	0.218	ug/l	93

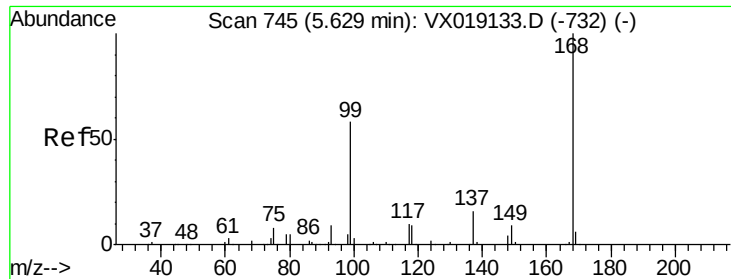
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019361.D

Acq: 09 Nov 2020 12:44

Instrument :

MSVOA_X

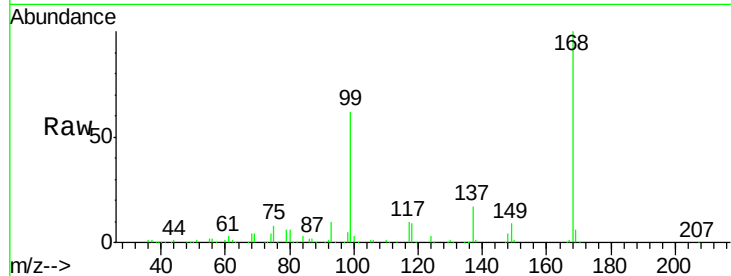
ClientSampleId :

Tot Ion:168 Resp: 305208

Ion Ratio Lower Upper

168 100

99 61.8 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

60000

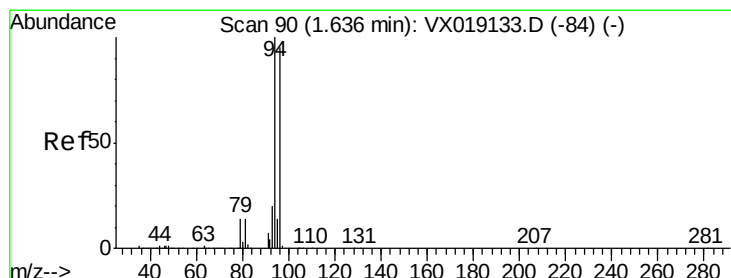
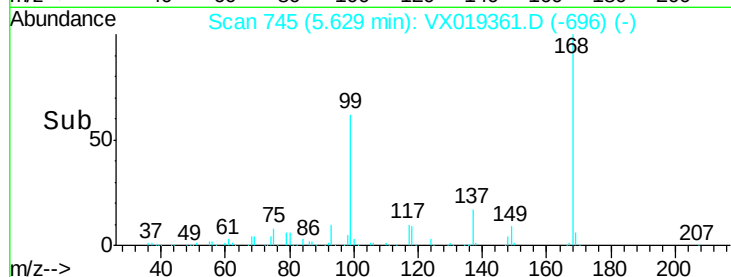
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.242 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX019361.D

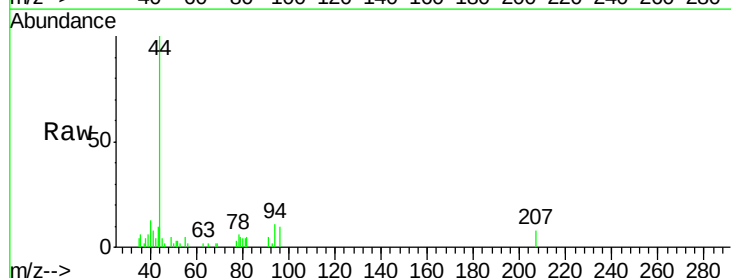
Acq: 09 Nov 2020 12:44

Tgt Ion: 94 Resp: 545

Ion Ratio Lower Upper

94 100

96 89.6 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

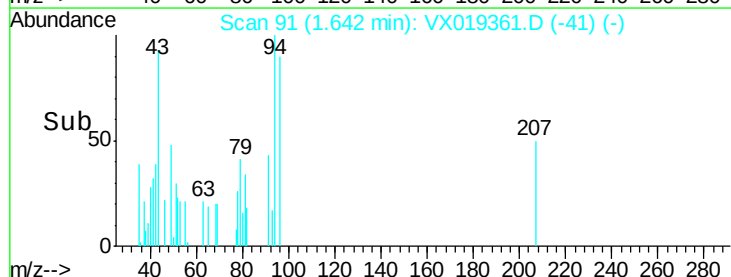
200

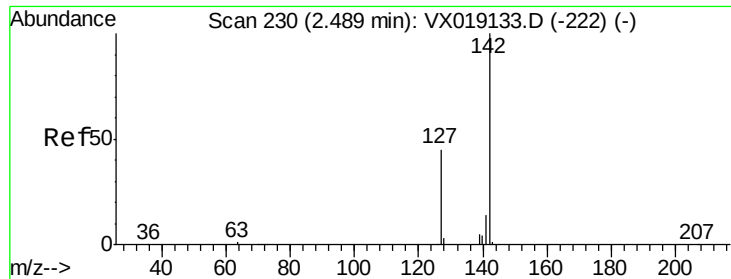
100

0

Time-->

1.60 1.65 1.70

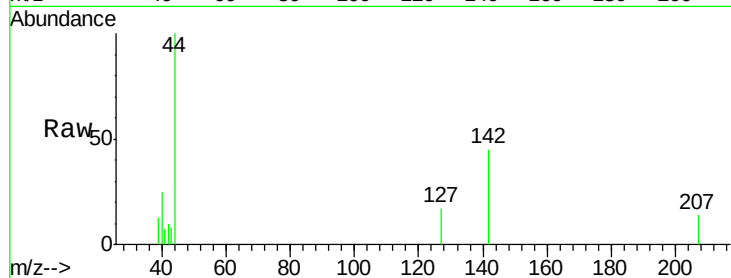




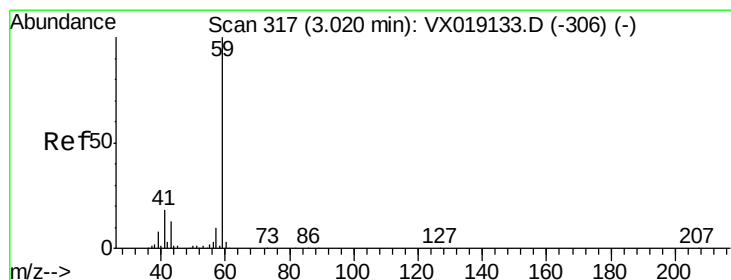
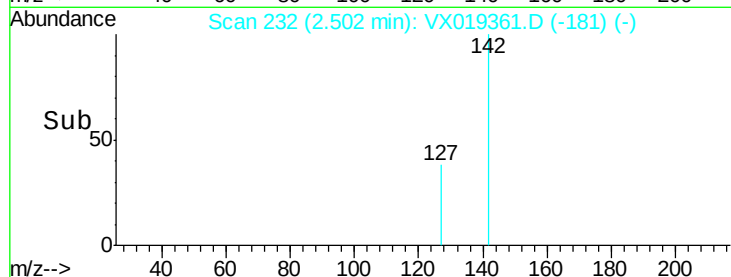
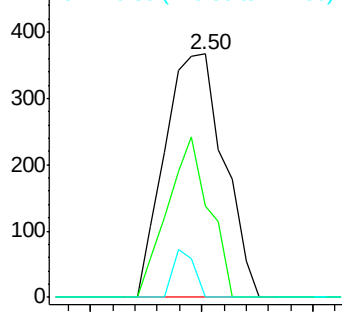
#10
Methvl Iodide
Concen: 6.553 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX019361.D
Acq: 09 Nov 2020 12:44

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 677
Ion Ratio Lower Upper
142 100
127 46.5 36.1 54.1
141 7.1 11.3 16.9#

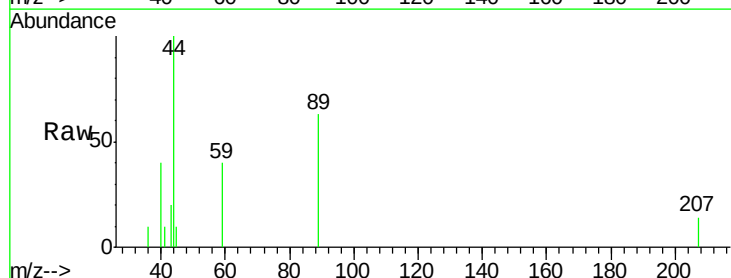


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

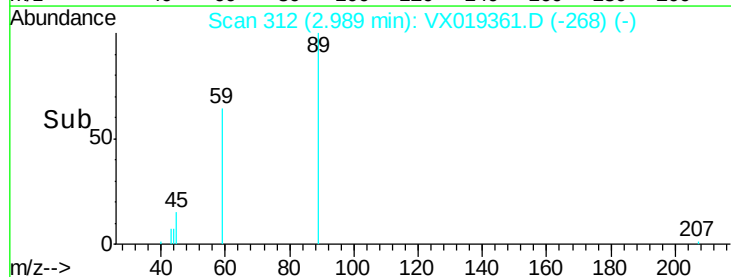
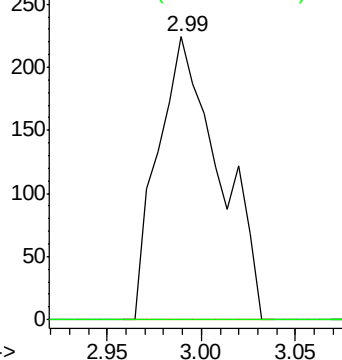


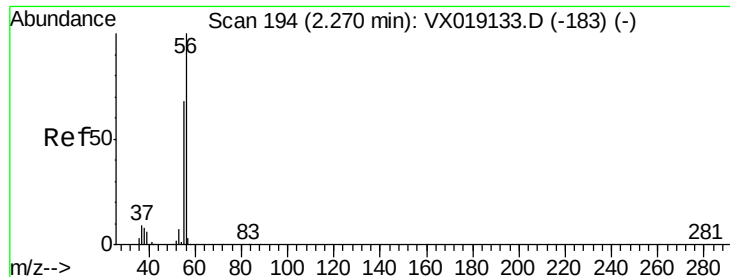
#11
Tert butyl alcohol
Concen: 0.651 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.03 min
Lab File: VX019361.D
Acq: 09 Nov 2020 12:44

Tgt Ion: 59 Resp: 506
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 6.188 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX019361.D

Acq: 09 Nov 2020 12:44

Instrument :

MSVOA_X

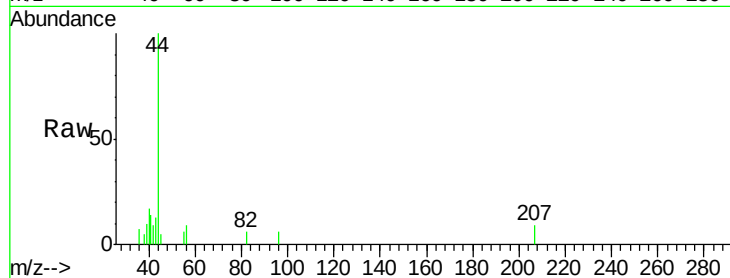
ClientSampled :

Tot Ion: 56 Resp: 192

Ion Ratio Lower Upper

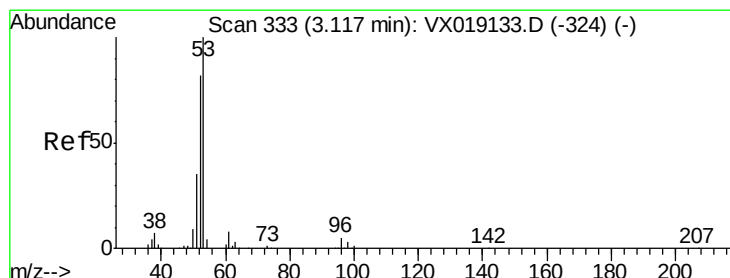
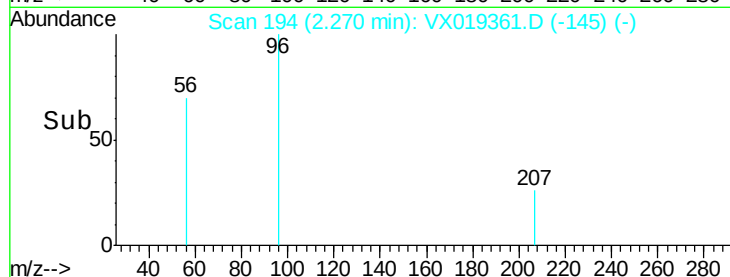
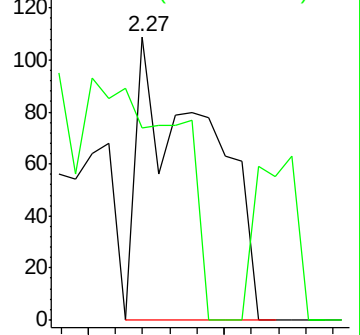
56 100

55 0.0 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.294 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX019361.D

Acq: 09 Nov 2020 12:44

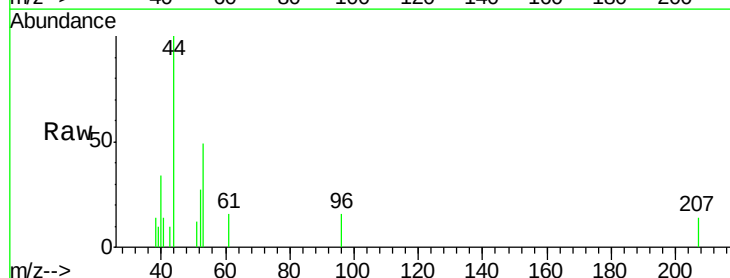
Tgt Ion: 53 Resp: 481

Ion Ratio Lower Upper

53 100

52 84.4 65.7 98.5

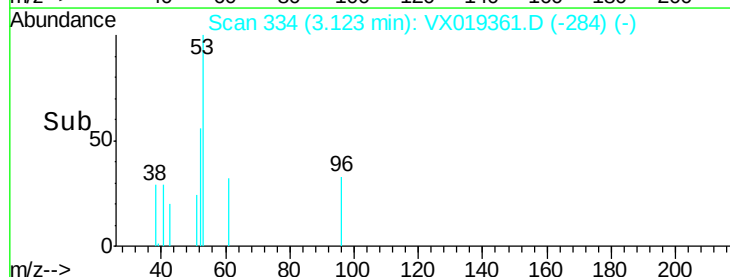
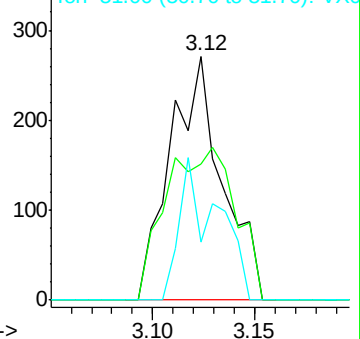
51 42.2 28.4 42.6

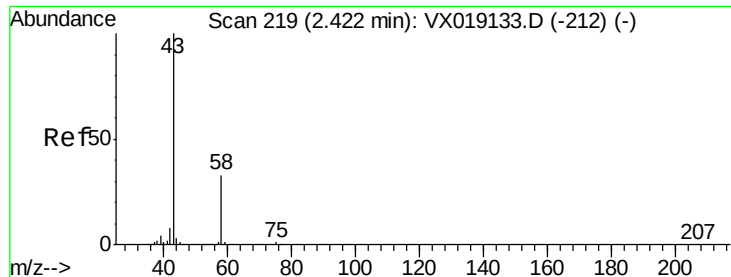


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.636 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX019361.D

Acq: 09 Nov 2020 12:44

Instrument :

MSVOA_X

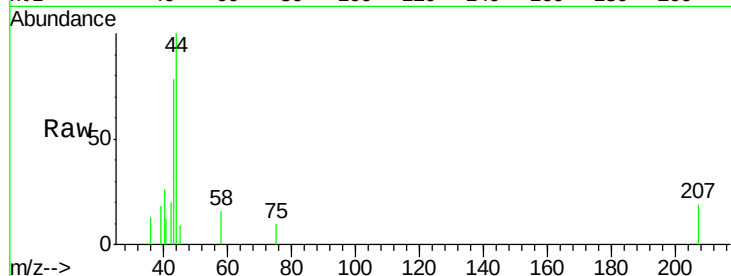
ClientSampled :

Tot Ion: 43 Resp: 864

Ion Ratio Lower Upper

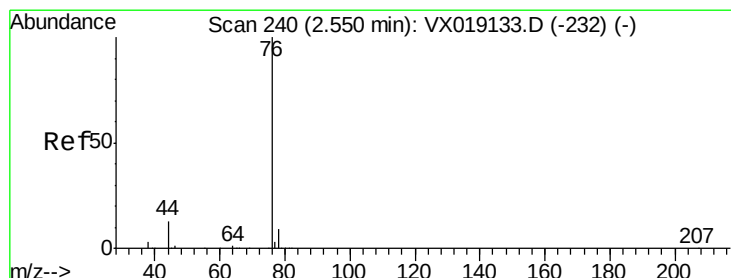
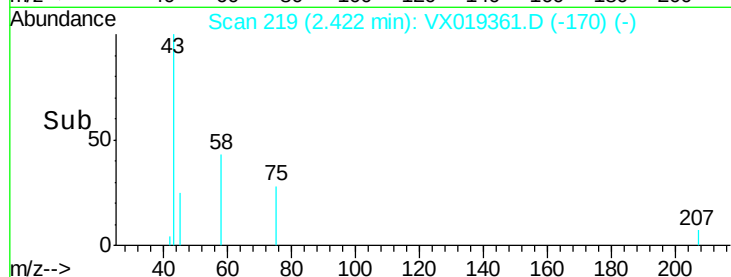
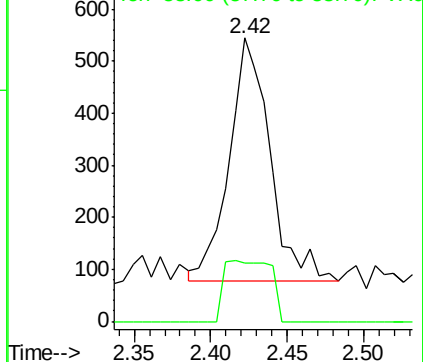
43 100

58 23.8 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.960 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019361.D

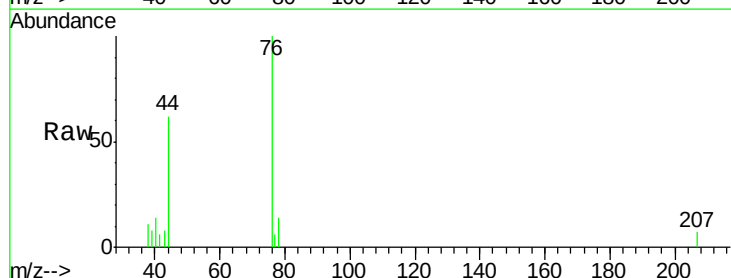
Acq: 09 Nov 2020 12:44

Tgt Ion: 76 Resp: 1712

Ion Ratio Lower Upper

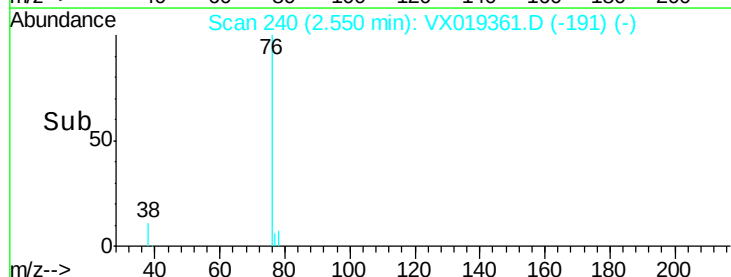
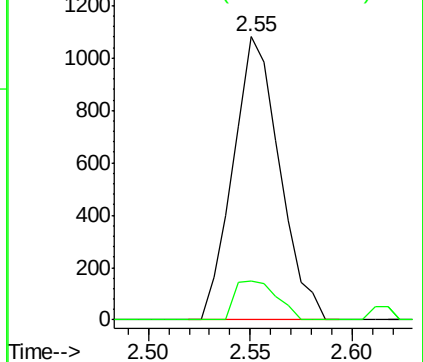
76 100

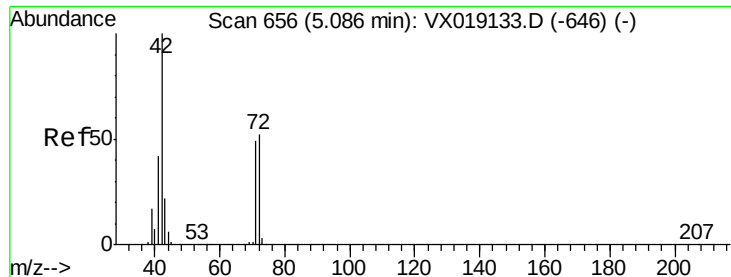
78 13.8 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

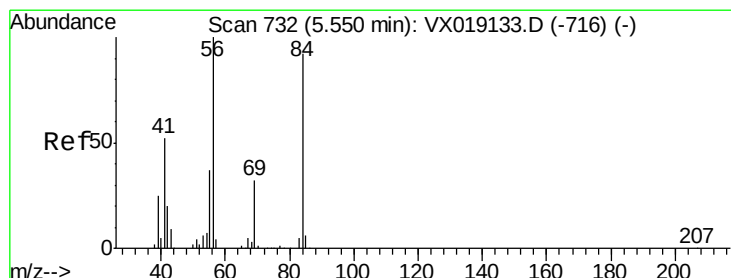
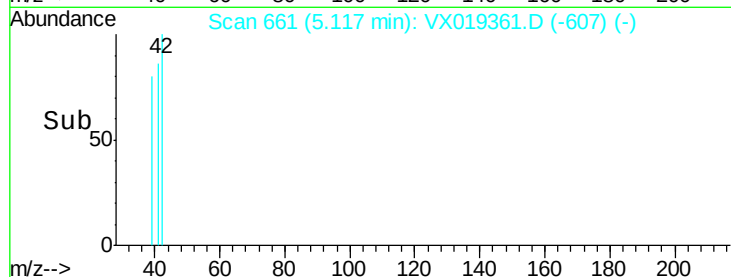
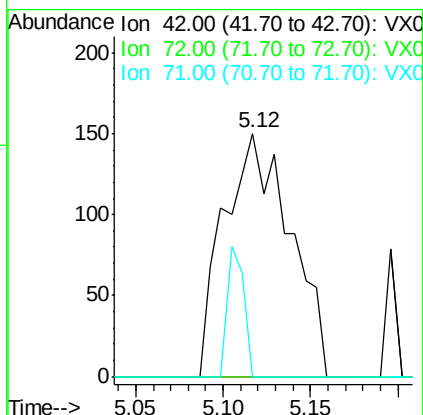
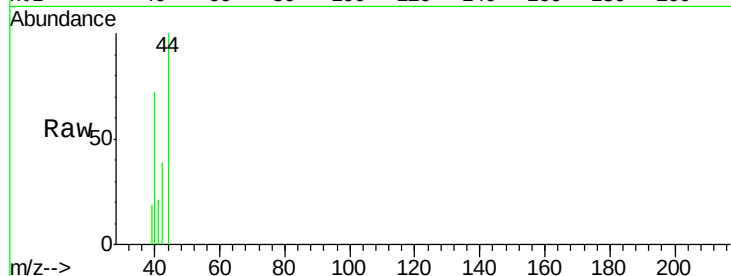




#29
Tetrahydrofuran
Concen: 0.295 ug/l
RT: 5.12 min Scan# 661
Delta R.T. 0.03 min
Lab File: VX019361.D
Acq: 09 Nov 2020 12:44

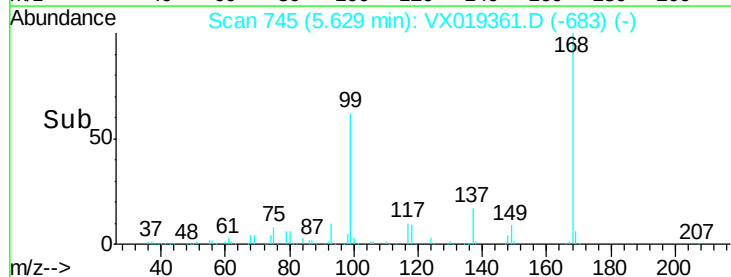
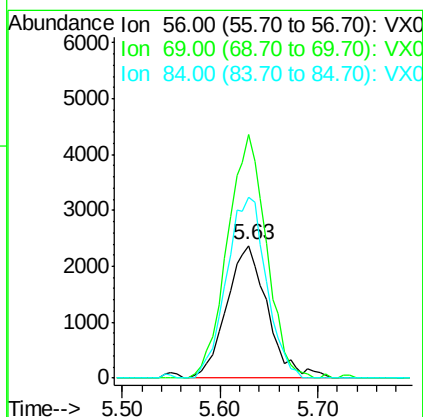
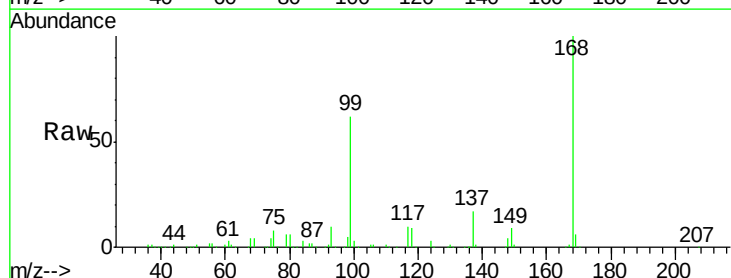
Instrument :
MSVOA_X
ClientSampleId :

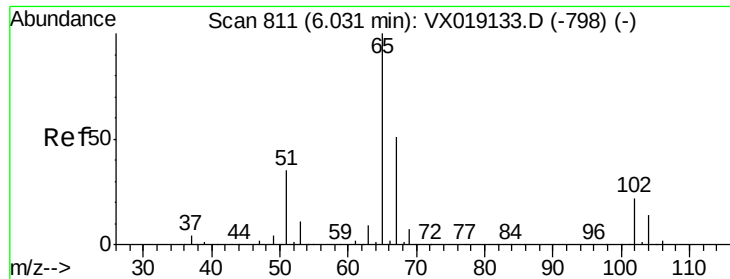
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	42.6	63.8#
71	13.3	39.7	59.5#



#31
Cyclohexane
Concen: 1.376 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019361.D
Acq: 09 Nov 2020 12:44

Tgt Ion	Ratio	Lower	Upper
56	100		
69	184.1	25.9	38.9#
84	136.5	73.4	110.2#

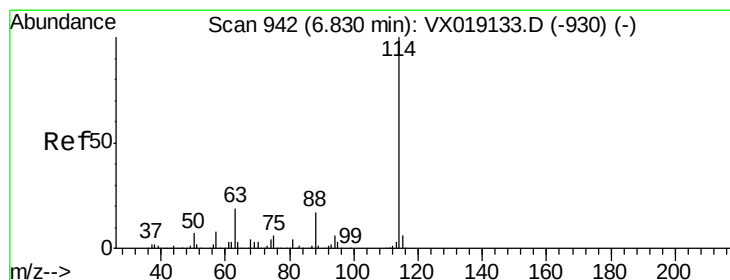
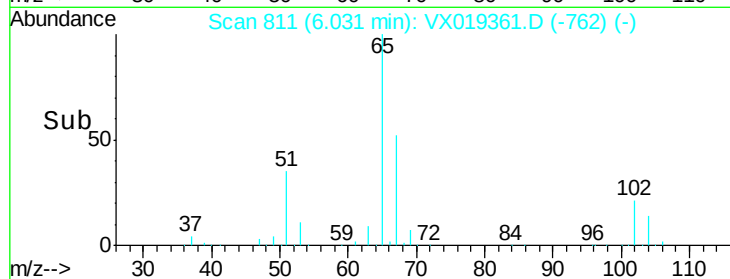
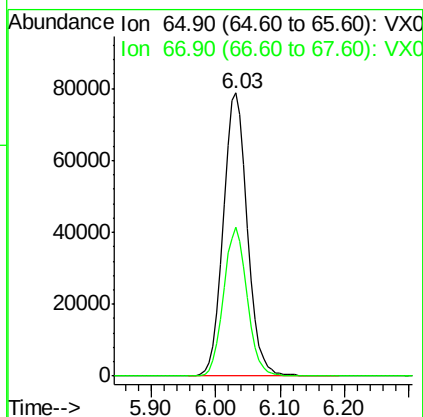
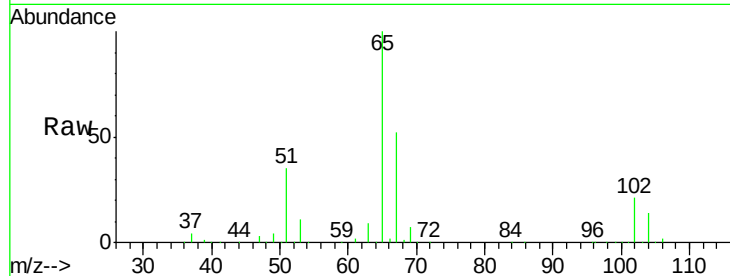




#33
 1,2-Dichloroethane-d4
 Concen: 52.815 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019361.D
 Acq: 09 Nov 2020 12:44

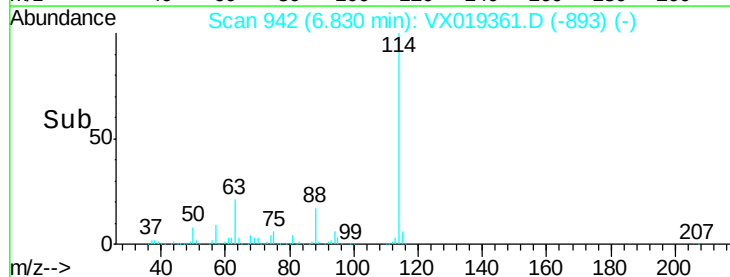
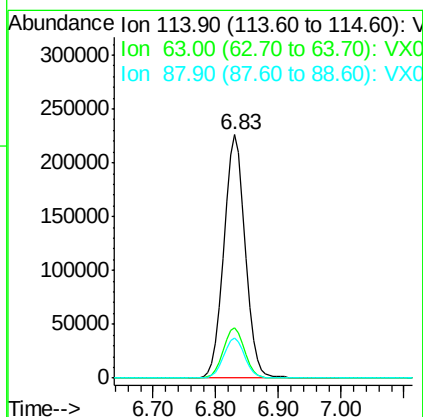
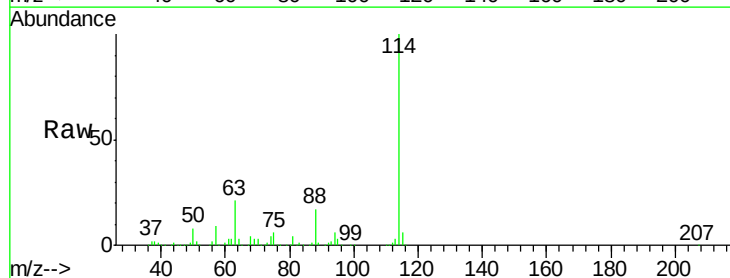
Instrument :
 MSVOA_X
 ClientSampled :

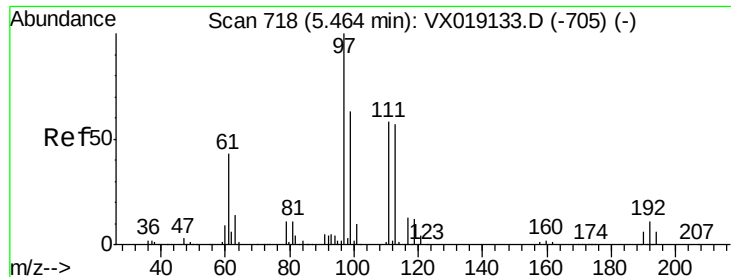
Tot Ion: 65 Resp: 207880
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019361.D
 Acq: 09 Nov 2020 12:44

Tgt Ion: 114 Resp: 531025
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 38.8
 88 16.7 0.0 34.2





#35

Dibromofluoromethane

Concen: 48.913 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019361.D

Acq: 09 Nov 2020 12:44

Instrument :

MSVOA_X

ClientSampleId :

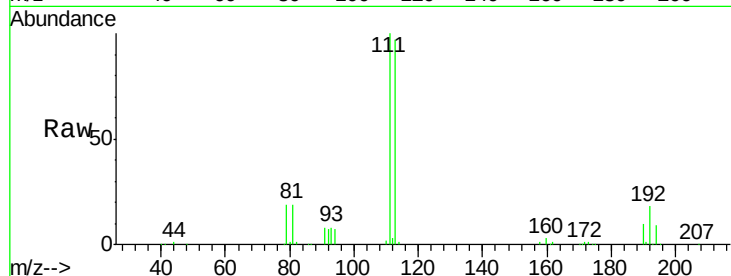
Tot Ion:113 Resp: 163152

Ion Ratio Lower Upper

113 100

111 103.0 82.3 123.5

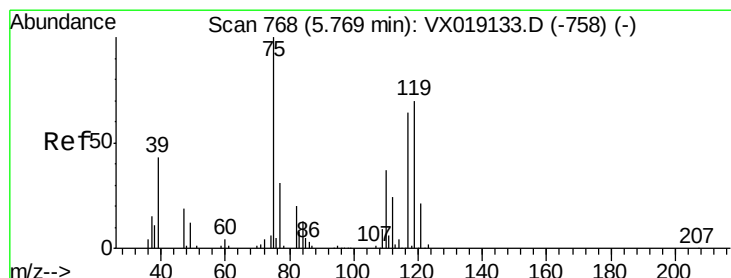
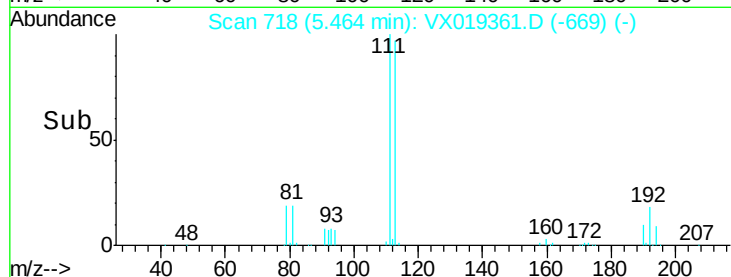
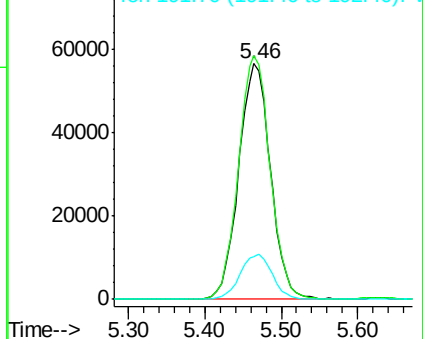
192 19.2 16.2 24.2



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: 5.332 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019361.D

Acq: 09 Nov 2020 12:44

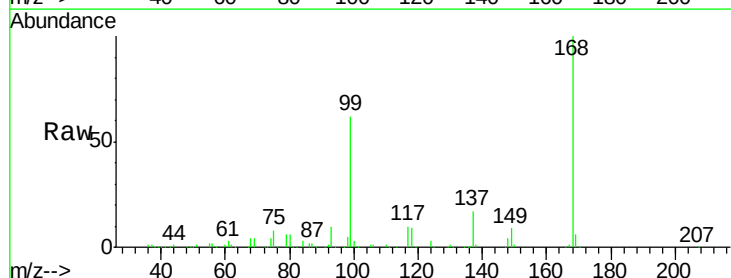
Tgt Ion: 75 Resp: 26147

Ion Ratio Lower Upper

75 100

110 8.7 18.3 54.9#

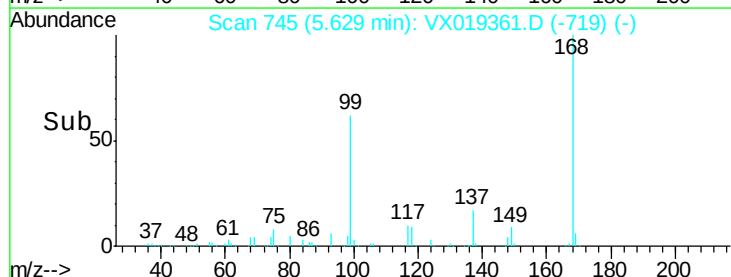
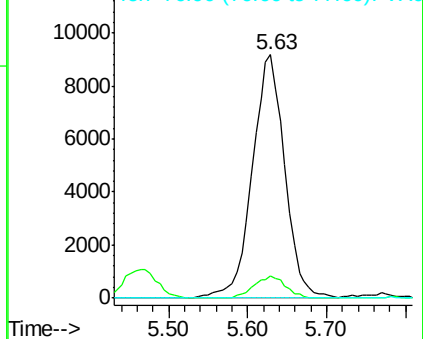
77 0.0 24.9 37.3#

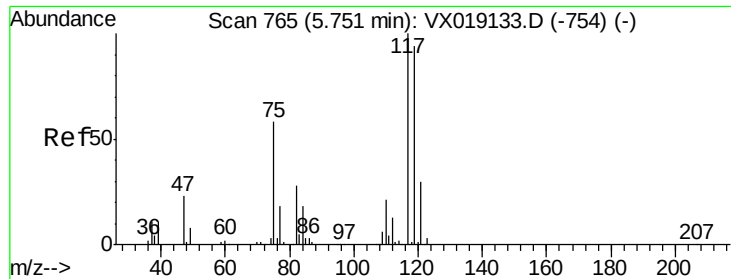


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

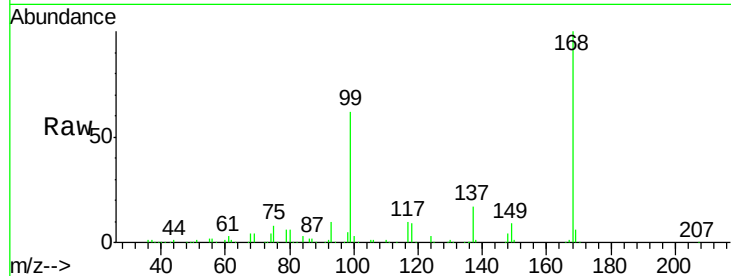




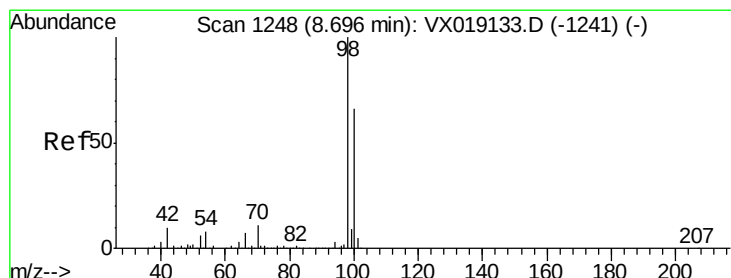
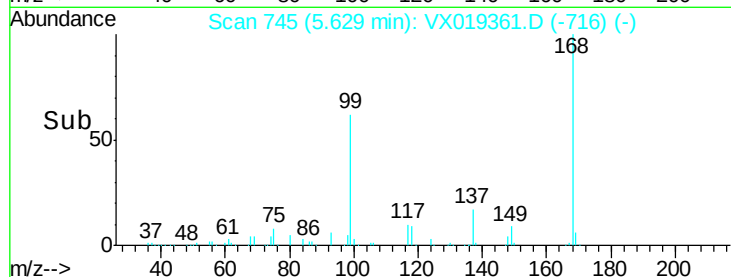
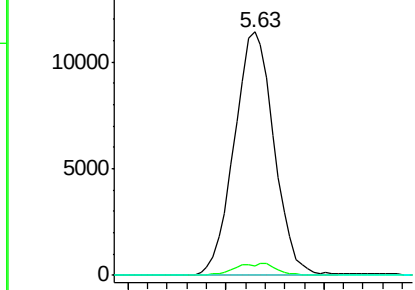
#38
Carbon Tetrachloride
Concen: 6.453 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019361.D
Acq: 09 Nov 2020 12:44

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 32254
Ion Ratio Lower Upper
117 100
119 4.1 75.0 112.6#
121 0.0 23.9 35.9#

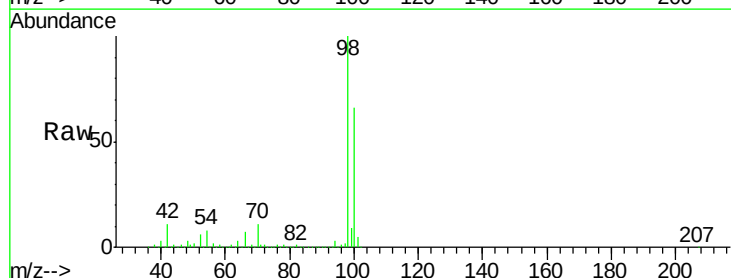


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

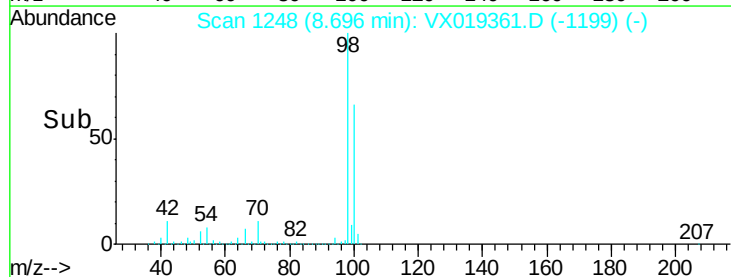
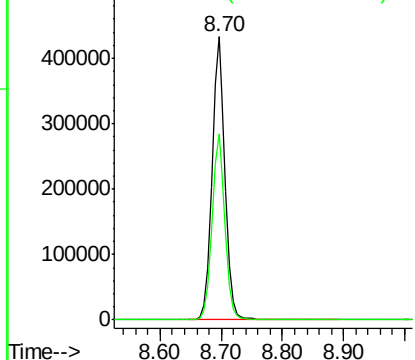


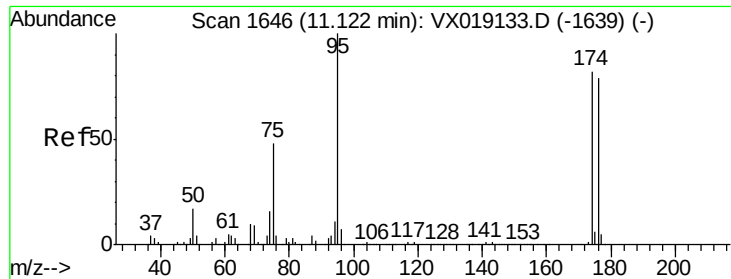
#50
Toluene-d8
Concen: 52.099 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019361.D
Acq: 09 Nov 2020 12:44

Tgt Ion: 98 Resp: 655091
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.6



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





#62

4-Bromofluorobenzene

Concen: 52.826 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019361.D

Acq: 09 Nov 2020 12:44

Instrument :

MSVOA_X

ClientSampled :

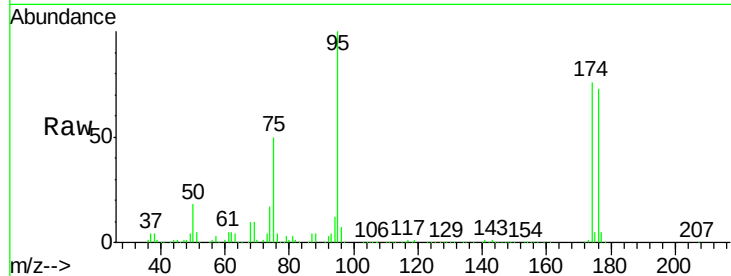
Tot Ion: 95 Resp: 251546

Ion Ratio Lower Upper

95 100

174 74.3 0.0 156.0

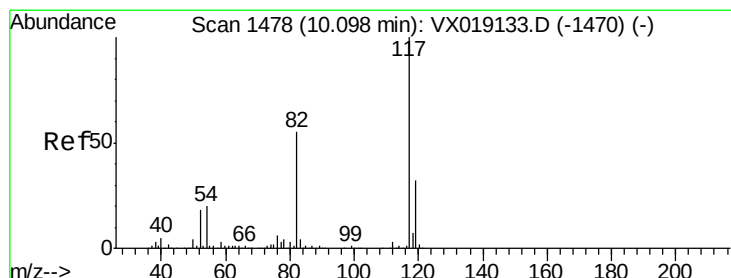
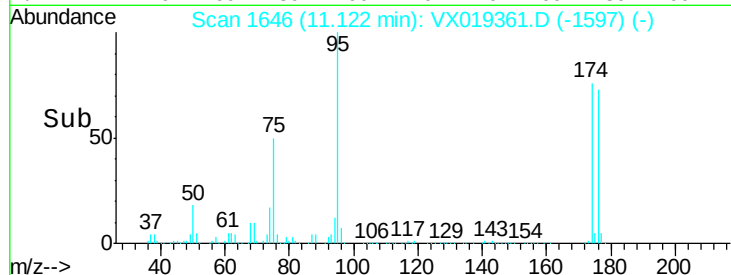
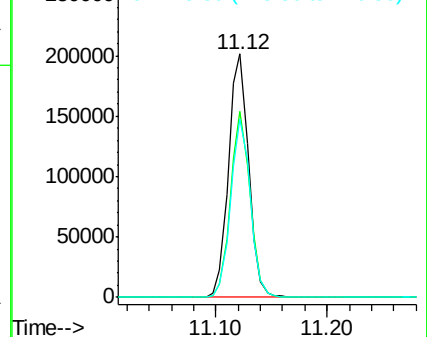
176 72.0 0.0 149.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

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: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019361.D

Acq: 09 Nov 2020 12:44

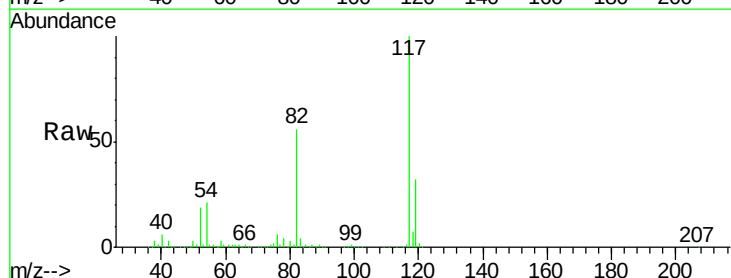
Tgt Ion: 117 Resp: 499148

Ion Ratio Lower Upper

117 100

82 56.3 43.6 65.4

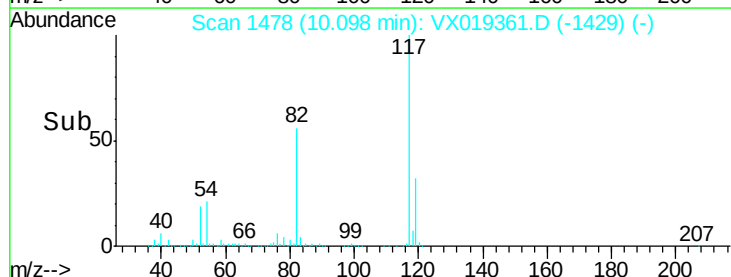
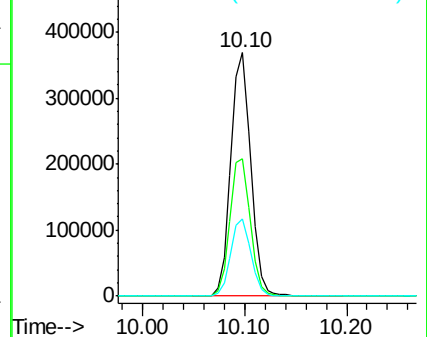
119 31.6 25.5 38.3

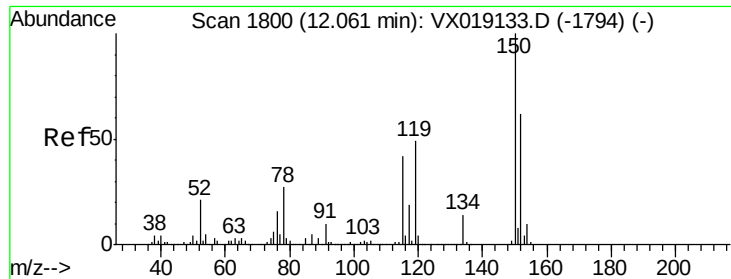


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019361.D

Acq: 09 Nov 2020 12:44

Instrument :

MSVOA_X

ClientSampleId :

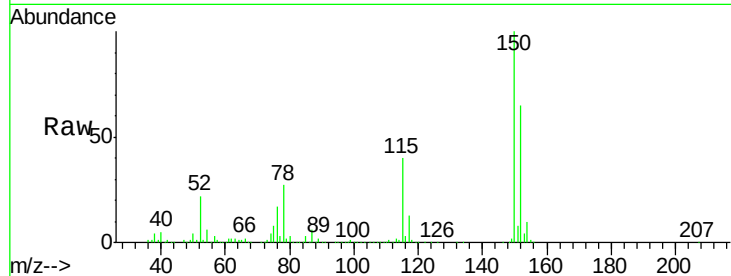
Tot Ion:152 Resp: 253202

Ion Ratio Lower Upper

152 100

115 60.5 41.9 125.7

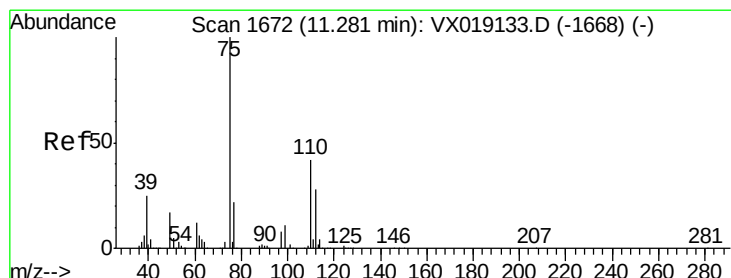
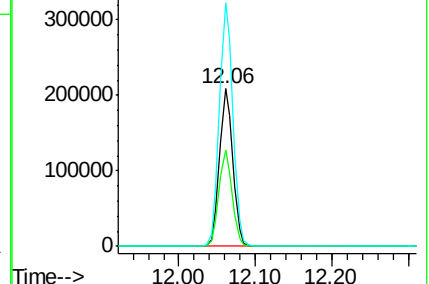
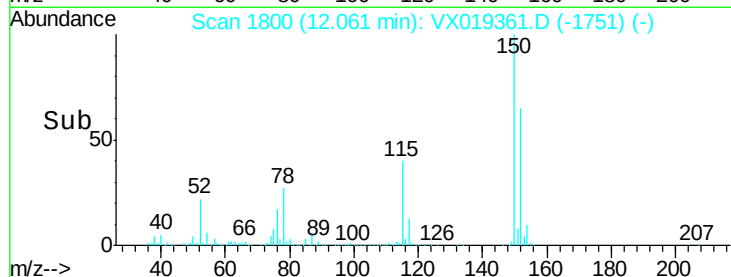
150 155.7 0.0 347.8



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: 24.530 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019361.D

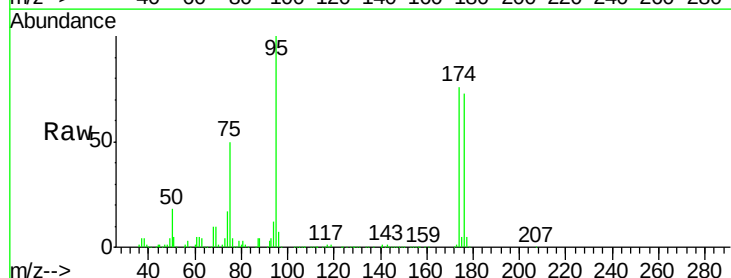
Acq: 09 Nov 2020 12:44

Tgt Ion: 75 Resp: 128247

Ion Ratio Lower Upper

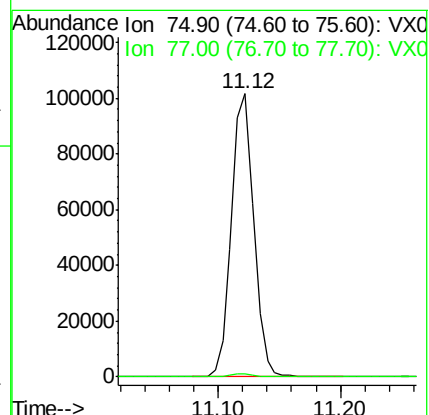
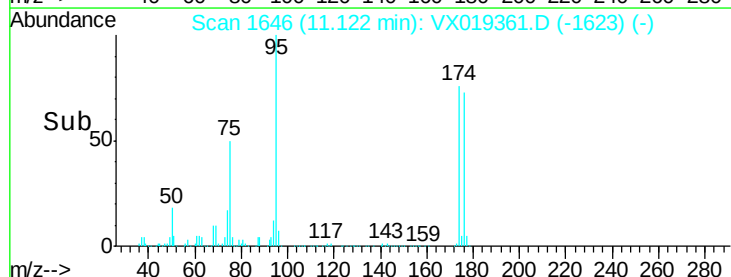
75 100

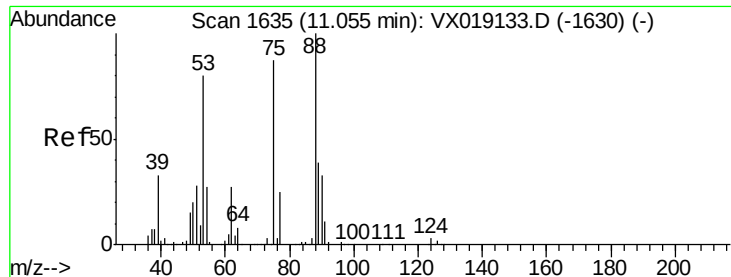
77 1.1 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

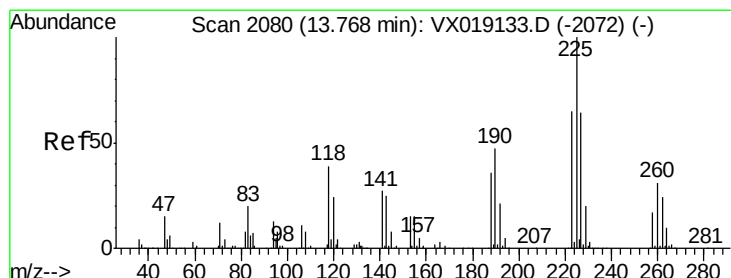
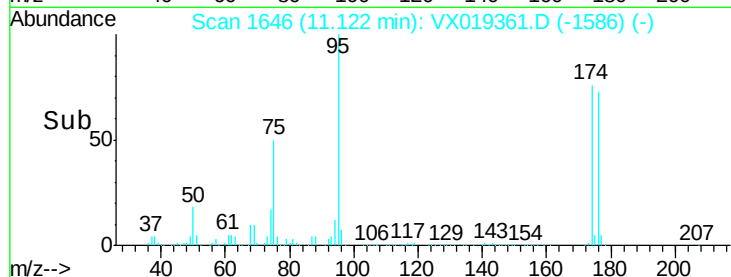
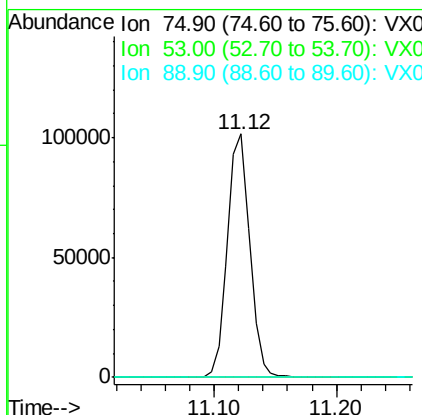
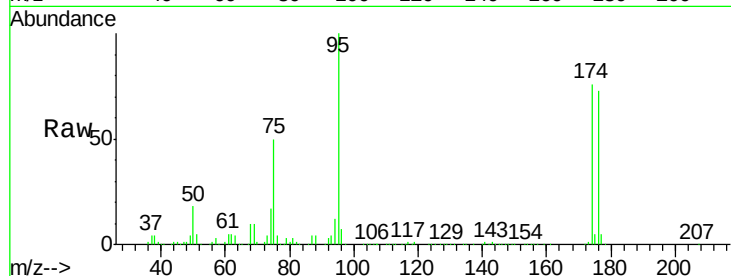




#81
trans-1,4-Dichloro-2-butene
Concen: 64.588 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019361.D
Acq: 09 Nov 2020 12:44

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 128247
Ion Ratio Lower Upper
75 100
53 0.0 73.3 109.9#
89 0.0 38.2 57.2#



#94
Hexachlorobutadiene
Concen: 0.218 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX019361.D
Acq: 09 Nov 2020 12:44

Tgt Ion: 225 Resp: 574
Ion Ratio Lower Upper
225 100
223 56.8 32.4 97.2
227 60.8 31.6 94.7

