

Data File : VX017250.D
Acq On : 08 Jul 2020 13:14
Operator : JC/SP
Sample : L3232-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1013-FB070620

Quant Time: Jul 09 02:30:06 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	5.63	168	248074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	412010	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	422609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	212687	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	160774	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
35) Dibromofluoromethane	5.46	113	140341	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	
50) Toluene-d8	8.70	98	491929	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
62) 4-Bromofluorobenzene	11.12	95	200426	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	

Target Compounds

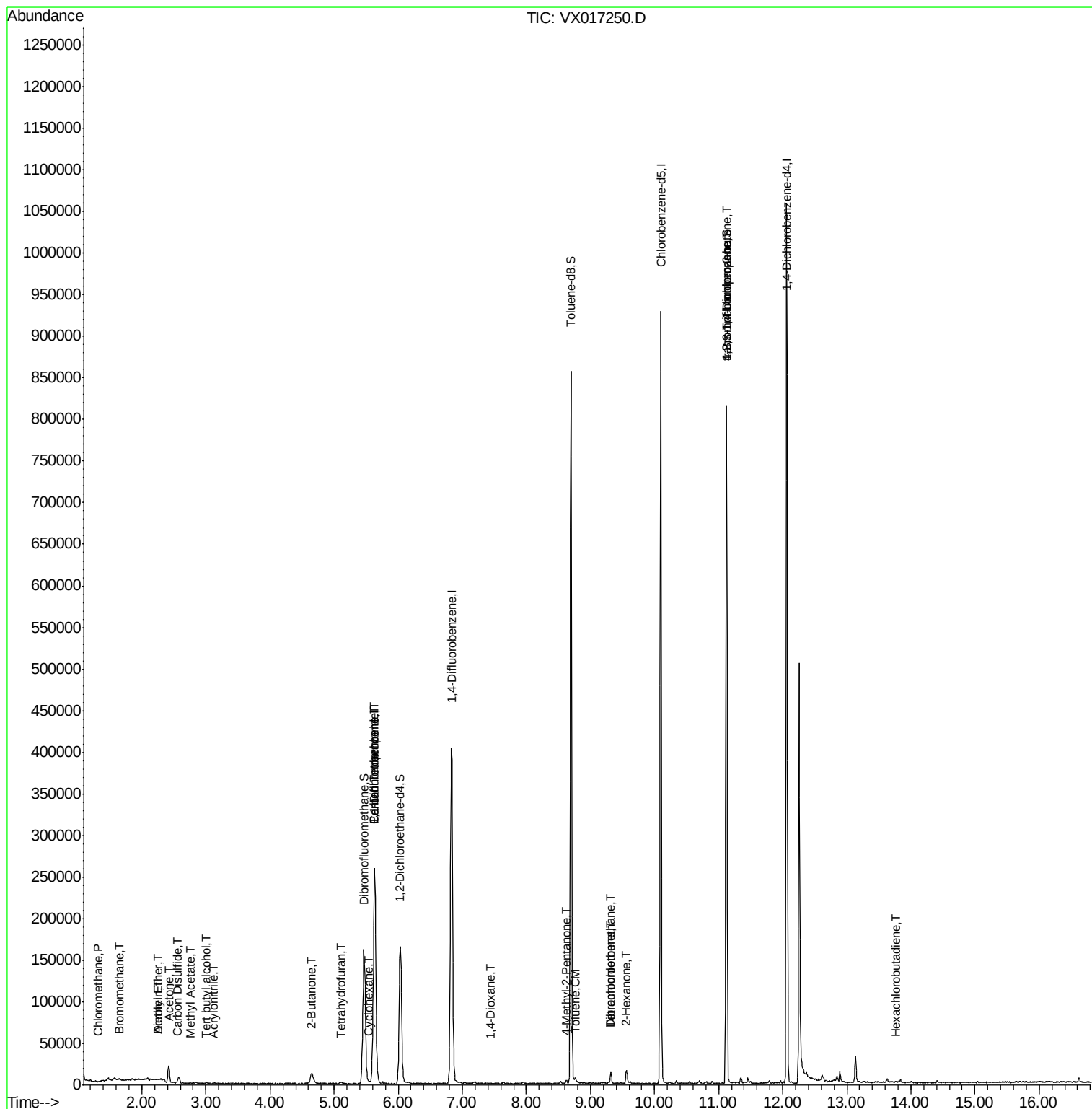
						Qvalue
3) Chloromethane	1.32	50	731	0.252	ug/l	92
5) Bromomethane	1.65	94	501	0.352	ug/l #	32
8) Diethyl Ether	2.26	74	226	0.533	ug/l	61
11) Tert butyl alcohol	3.01	59	1322	2.266	ug/l	97
13) Acrolein	2.26	56	715	2.050	ug/l #	69
15) Acrylonitrile	3.11	53	316	0.225	ug/l #	18
16) Acetone	2.42	43	22113	19.328	ug/l	93
17) Carbon Disulfide	2.55	76	1339	0.218	ug/l #	66
18) Methyl Acetate	2.75	43	858	0.287	ug/l	95
20) Methylene Chloride	2.84	84	606	Below Cal	#	80
25) 2-Butanone	4.64	43	5154	2.704	ug/l #	71
29) Tetrahydrofuran	5.10	42	1029	0.817	ug/l #	77
31) Cyclohexane	5.55	56	898	0.217	ug/l #	91
36) 1,1-Dichloropropene	5.64	75	18426	4.732	ug/l #	51
38) Carbon Tetrachloride	5.63	117	23980	5.591	ug/l #	17
44) Trichloroethene	7.20	130	704	Below Cal		79
49) 1,4-Dioxane	7.45	88	25	0.354	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	2290	0.585	ug/l	96
52) Toluene	8.77	92	1609	0.225	ug/l	98
59) 2-Hexanone	9.56	43	2047	0.716	ug/l	62
60) Dibromochloromethane	9.31	129	1807	0.533	ug/l #	10
64) Tetrachloroethene	9.32	164	1630	0.478	ug/l	94
76) 1,2,3-Trichloropropane	11.12	75	100858	24.115	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	100858	62.449	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	540	Below Cal		81
94) Hexachlorobutadiene	13.76	225	311	1.026	ug/l #	49

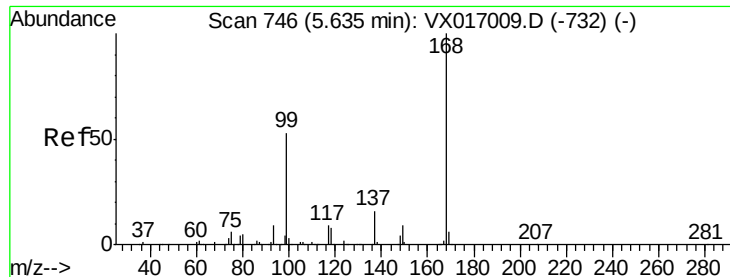
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017250.D

Acq: 08 Jul 2020 13:14

Instrument :

MSVOA_X

ClientSampleId :

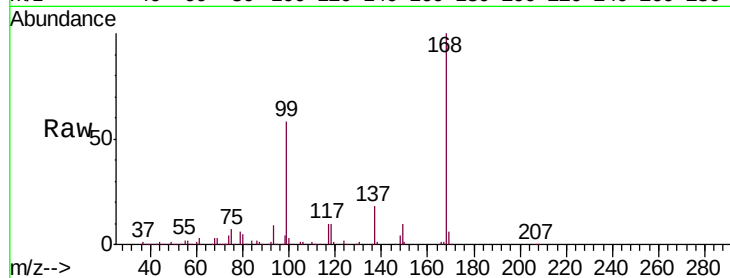
1013-FB070620

Tgt Ion:168 Resp: 248074

Ion Ratio Lower Upper

168 100

99 57.5 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

60000

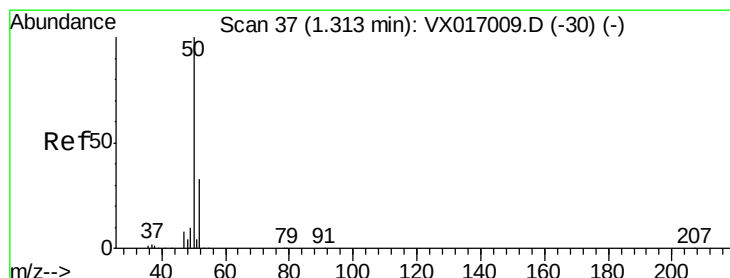
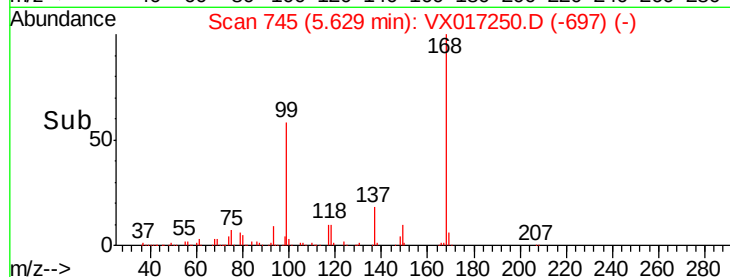
40000

20000

0

5.50 5.60 5.70

Time-->



#3

Chloromethane

Concen: 0.252 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017250.D

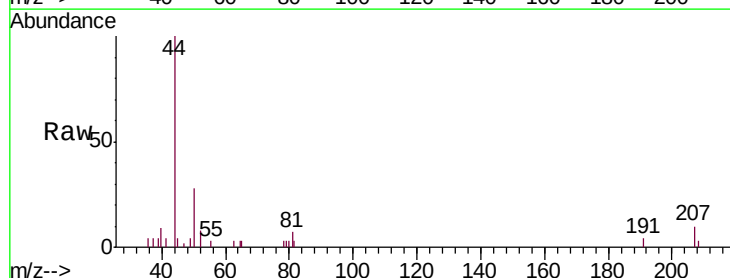
Acq: 08 Jul 2020 13:14

Tgt Ion: 50 Resp: 731

Ion Ratio Lower Upper

50 100

52 28.0 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

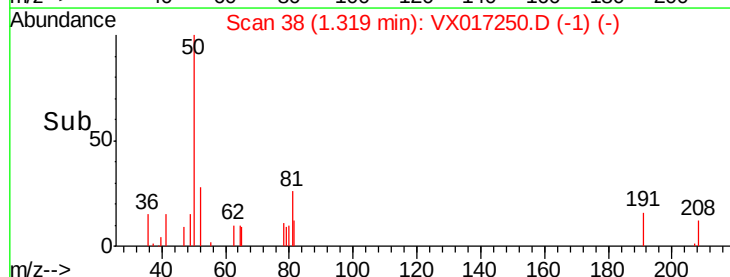
400

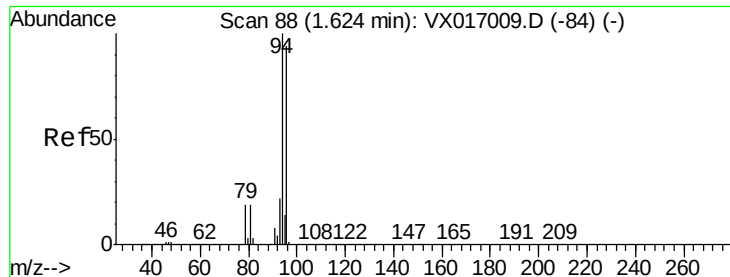
200

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: 0.352 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.03 min

Lab File: VX017250.D

Acq: 08 Jul 2020 13:14

Instrument :

MSVOA_X

ClientSampleId :

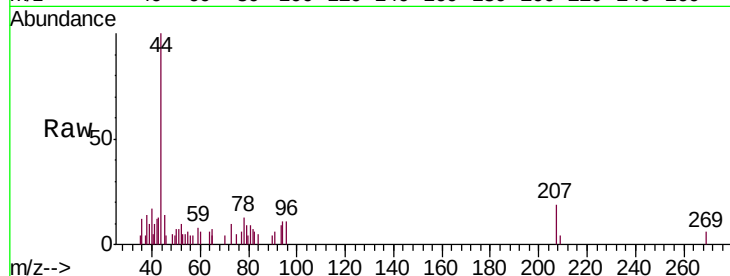
1013-FB070620

Tgt Ion: 94 Resp: 501

Ion Ratio Lower Upper

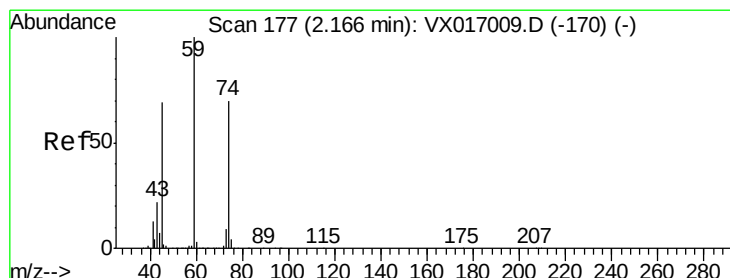
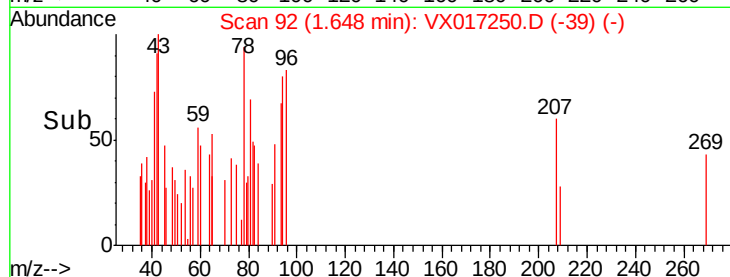
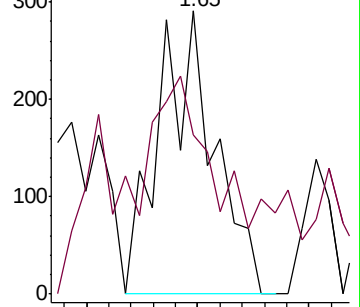
94 100

96 27.8 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: 0.533 ug/l

RT: 2.26 min Scan# 192

Delta R.T. 0.09 min

Lab File: VX017250.D

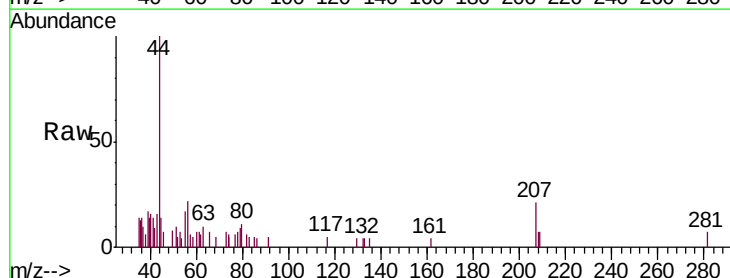
Acq: 08 Jul 2020 13:14

Tgt Ion: 74 Resp: 226

Ion Ratio Lower Upper

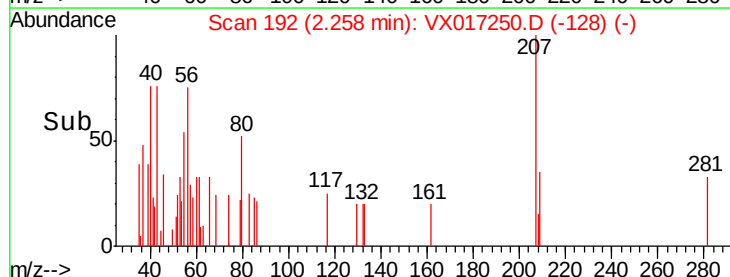
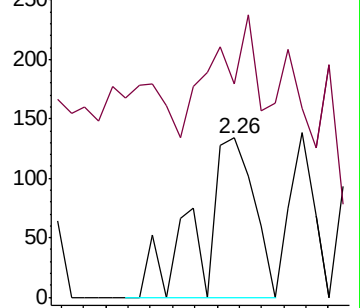
74 100

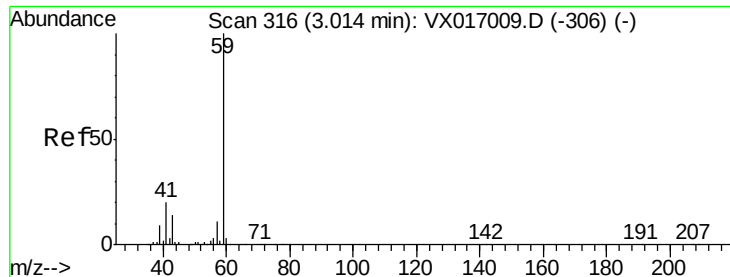
45 61.1 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

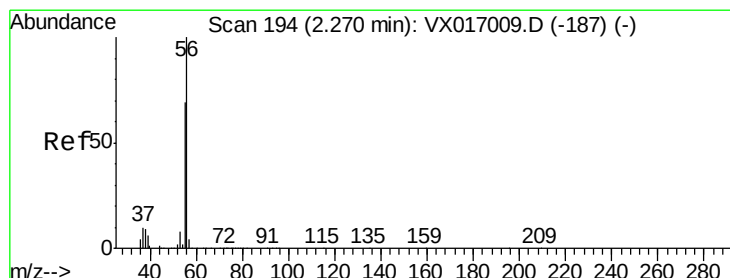
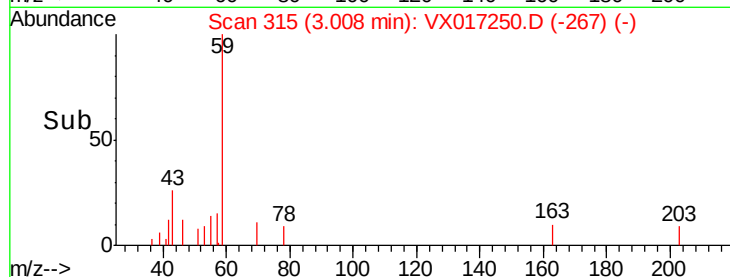
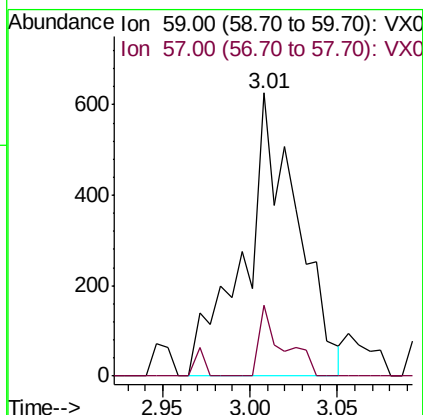
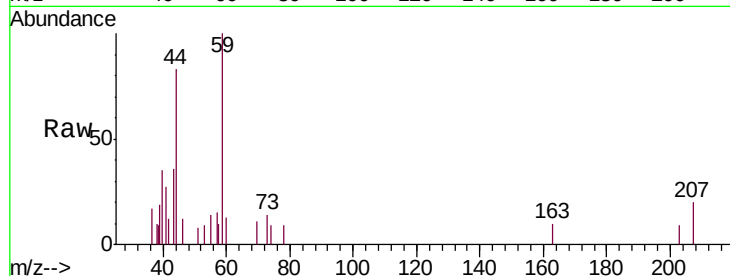




#11
Tert butyl alcohol
Concen: 2.266 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017250.D
Acq: 08 Jul 2020 13:14

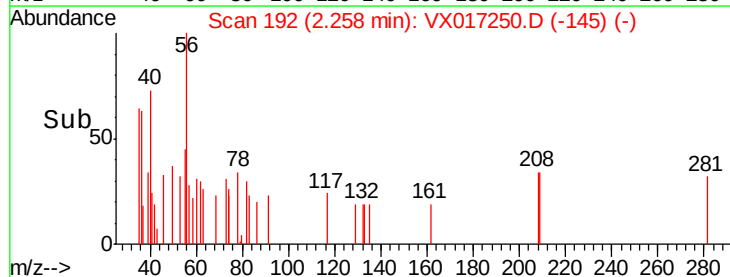
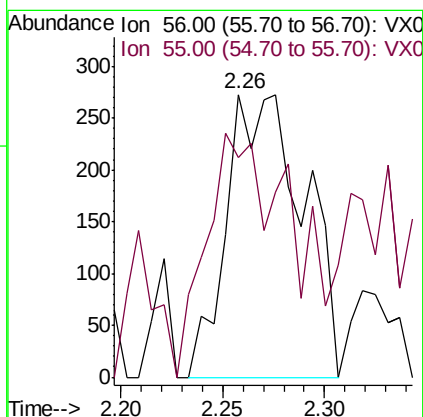
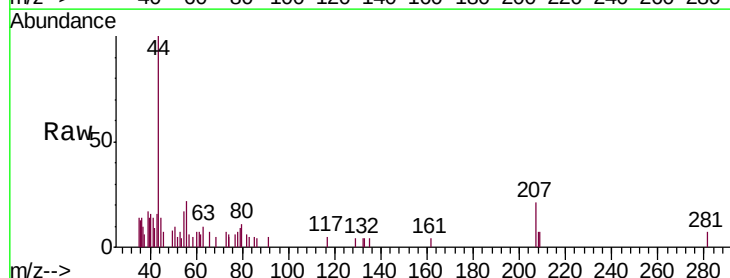
Instrument :
MSVOA_X
ClientSampleId :
1013-FB070620

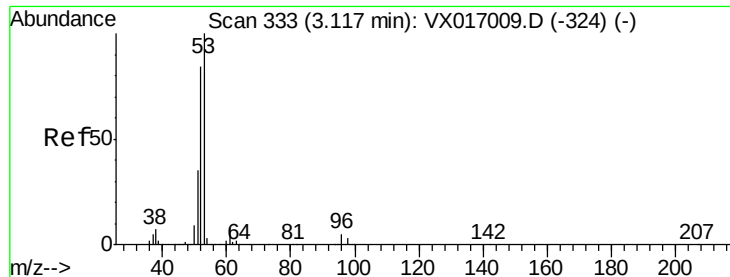
Tgt Ion: 59 Resp: 1322
Ion Ratio Lower Upper
59 100
57 11.2 8.2 12.2



#13
Acrolein
Concen: 2.050 ug/l
RT: 2.26 min Scan# 192
Delta R.T. -0.01 min
Lab File: VX017250.D
Acq: 08 Jul 2020 13:14

Tgt Ion: 56 Resp: 715
Ion Ratio Lower Upper
56 100
55 95.1 55.7 83.5#





#15

Acrylonitrile

Concen: 0.225 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX017250.D

Acq: 08 Jul 2020 13:14

Instrument :

MSVOA_X

ClientSampleId :

1013-FB070620

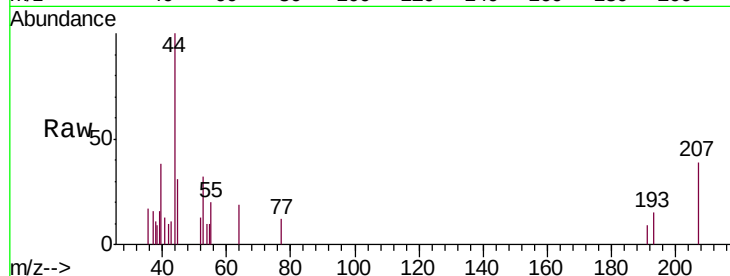
Tgt Ion: 53 Resp: 316

Ion Ratio Lower Upper

53 100

52 0.0 65.6 98.4#

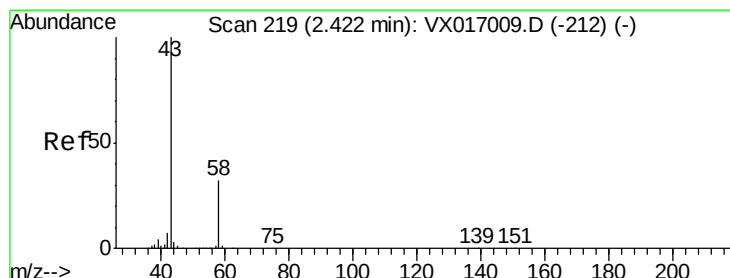
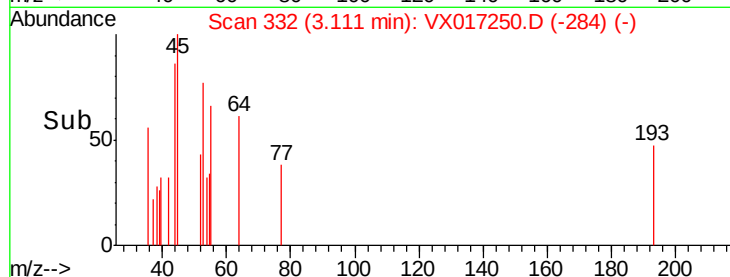
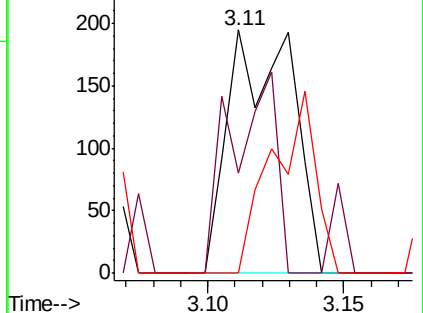
51 0.0 28.3 42.5#



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: 19.328 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017250.D

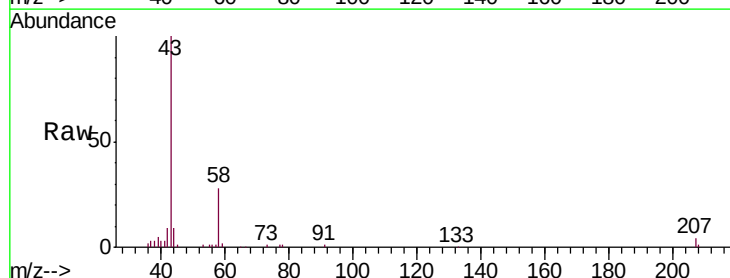
Acq: 08 Jul 2020 13:14

Tgt Ion: 43 Resp: 22113

Ion Ratio Lower Upper

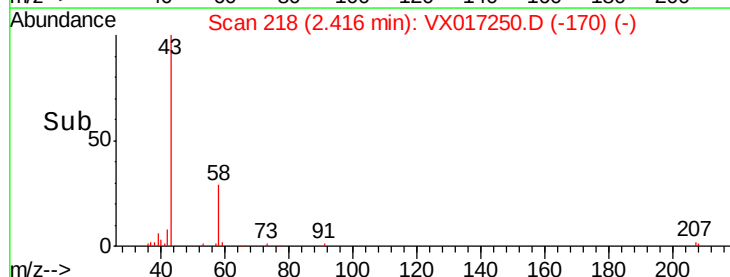
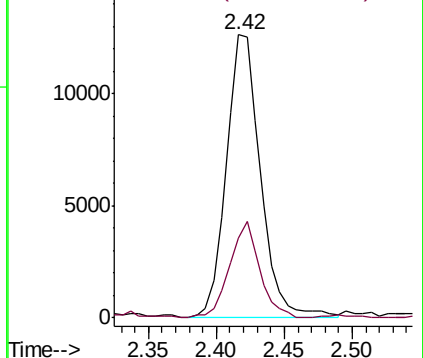
43 100

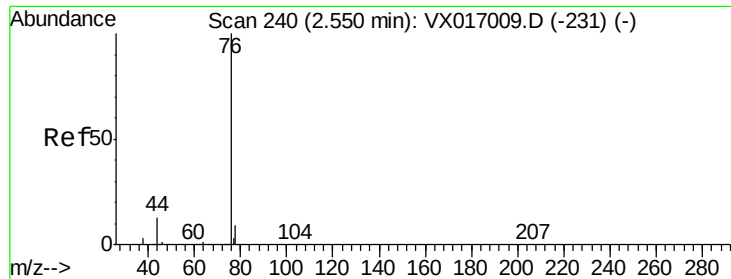
58 28.2 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

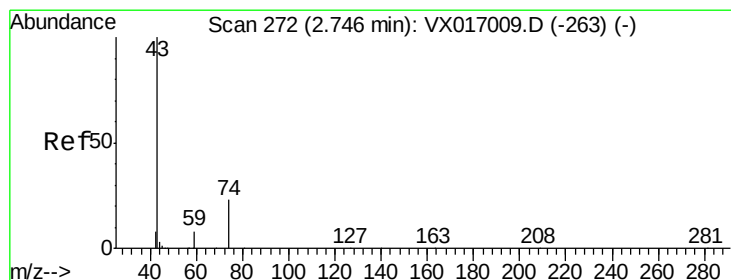
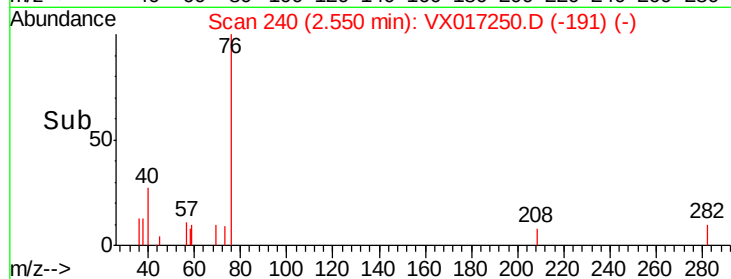
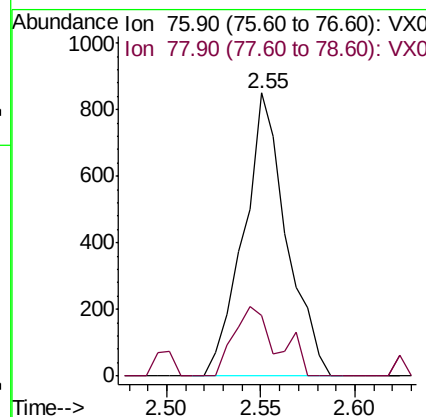
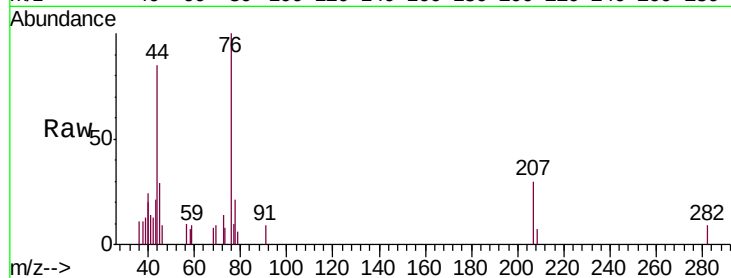




#17
Carbon Disulfide
Concen: 0.218 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX017250.D
Acq: 08 Jul 2020 13:14

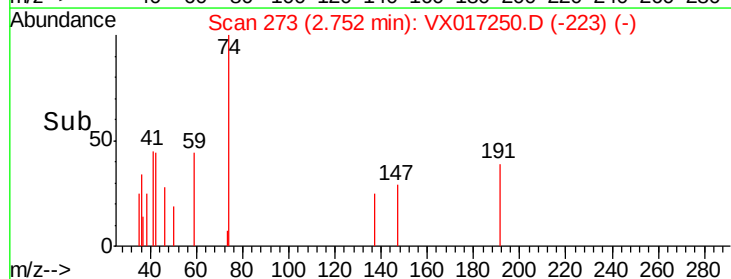
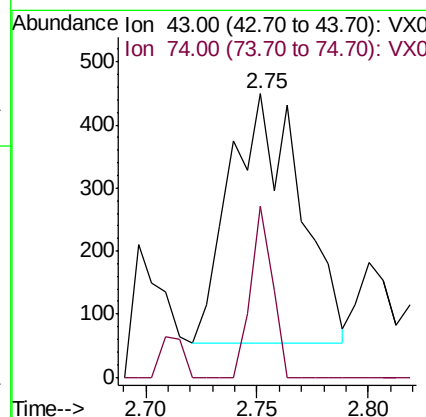
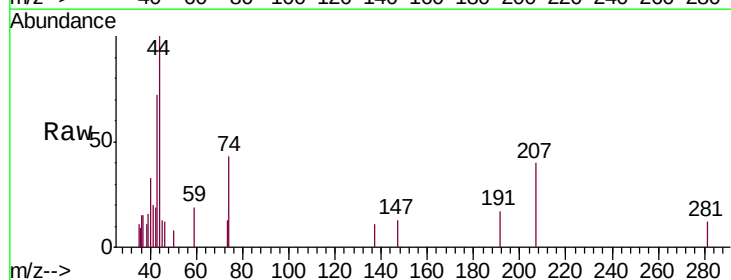
Instrument :
MSVOA_X
ClientSampleId :
1013-FB070620

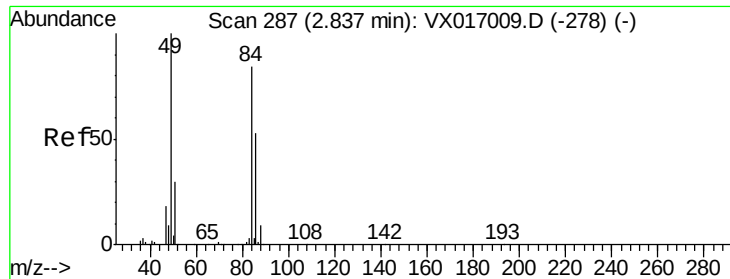
Tgt Ion: 76 Resp: 1339
Ion Ratio Lower Upper
76 100
78 21.3 7.2 10.8#



#18
Methyl Acetate
Concen: 0.287 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX017250.D
Acq: 08 Jul 2020 13:14

Tgt Ion: 43 Resp: 858
Ion Ratio Lower Upper
43 100
74 21.7 19.3 28.9

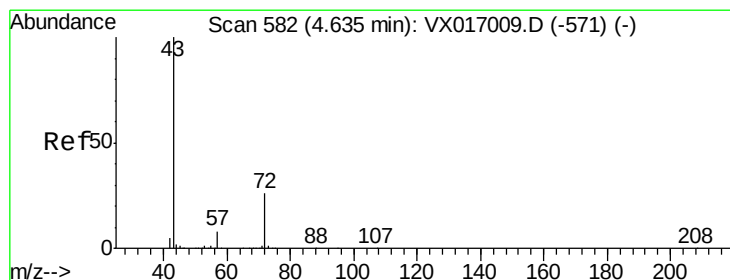
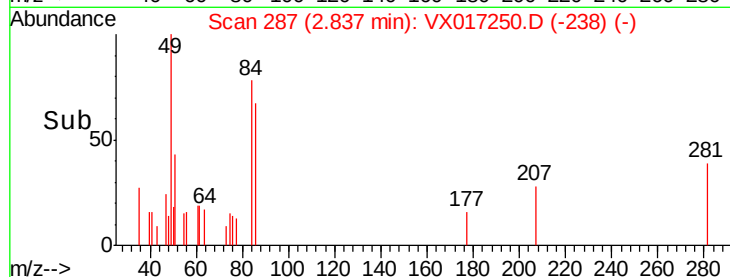
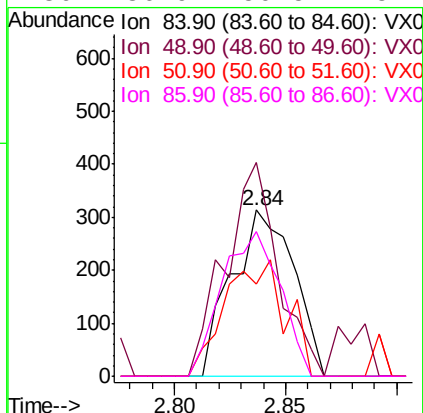
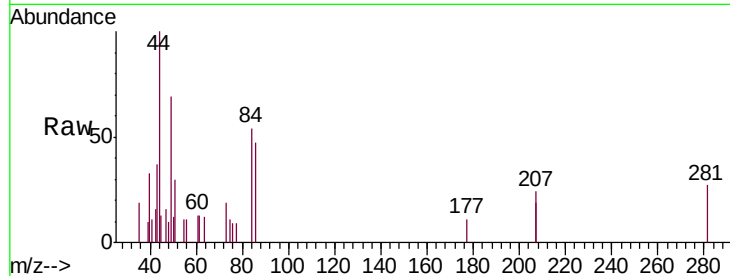




#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017250.D
Acq: 08 Jul 2020 13:14

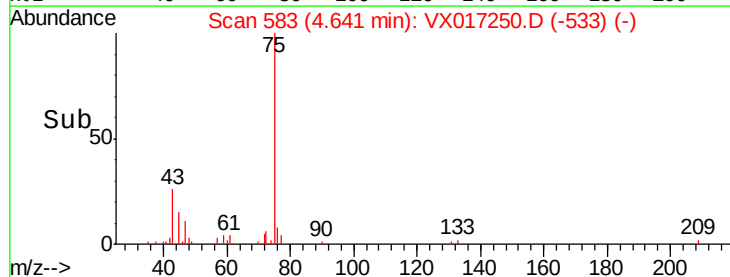
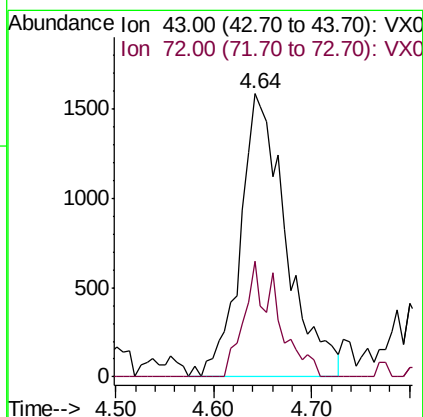
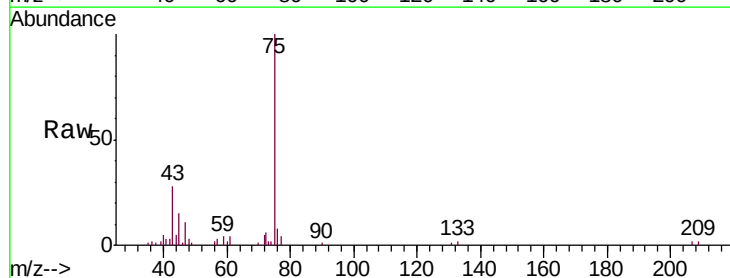
Instrument :
MSVOA_X
ClientSampleId :
1013-FB070620

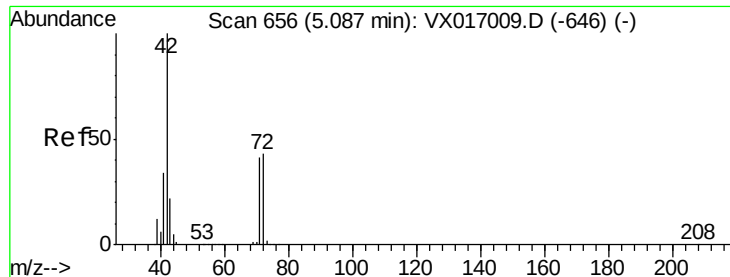
Tgt Ion: 84 Resp: 606
Ion Ratio Lower Upper
84 100
49 128.8 94.7 142.1
51 55.3 28.6 42.8#
86 86.9 50.5 75.7#



#25
2-Butanone
Concen: 2.704 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX017250.D
Acq: 08 Jul 2020 13:14

Tgt Ion: 43 Resp: 5154
Ion Ratio Lower Upper
43 100
72 40.9 20.8 31.2#

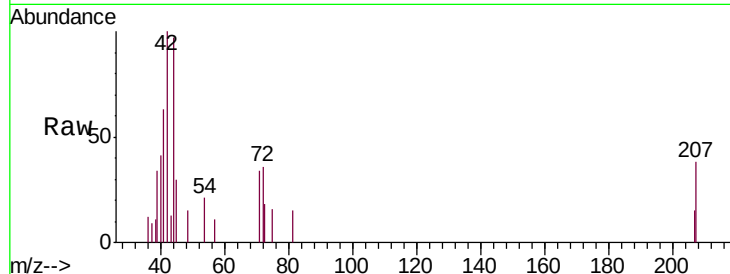




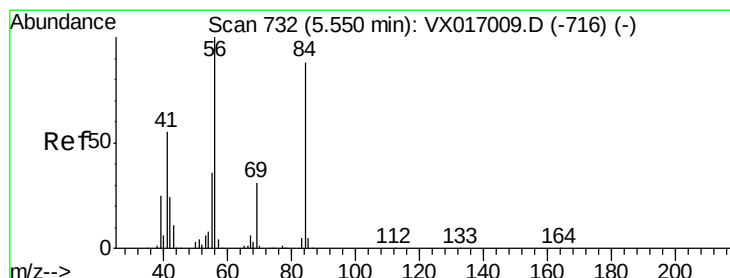
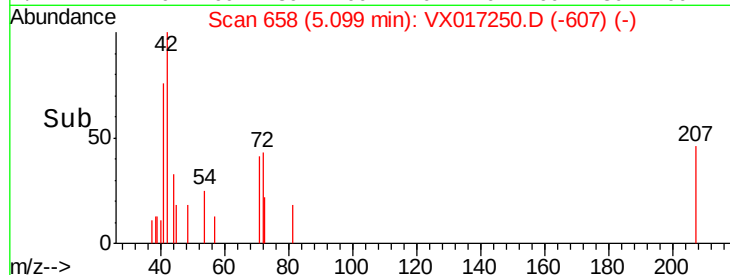
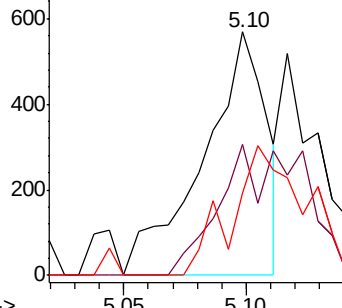
#29
Tetrahydrofuran
Concen: 0.817 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX017250.D
Acq: 08 Jul 2020 13:14

Instrument :
MSVOA_X
ClientSampled :
1013-FB070620

Tgt Ion: 42 Resp: 1029
Ion Ratio Lower Upper
42 100
72 34.1 35.3 52.9#
71 61.1 33.1 49.7#

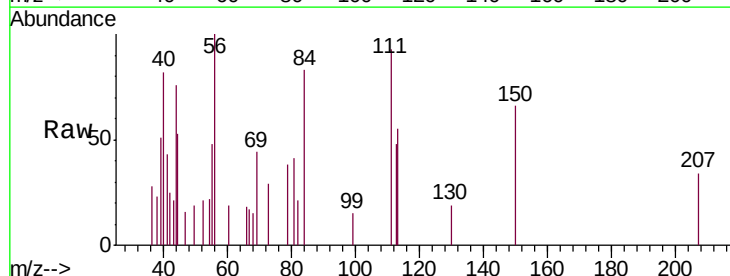


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

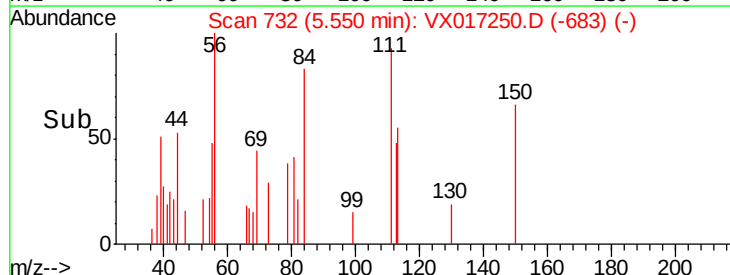
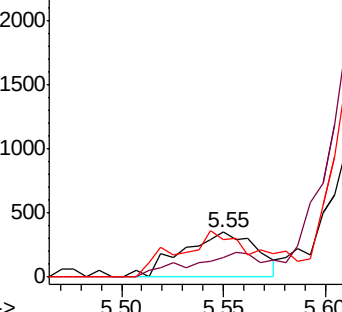


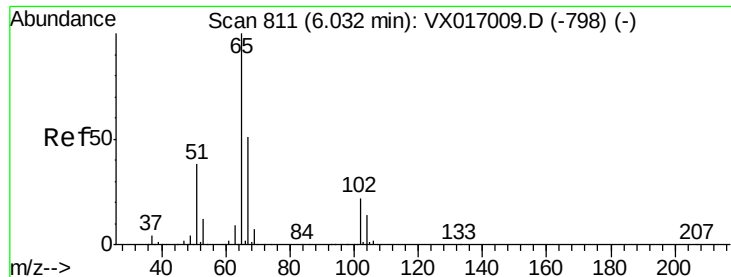
#31
Cyclohexane
Concen: 0.217 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX017250.D
Acq: 08 Jul 2020 13:14

Tgt Ion: 56 Resp: 898
Ion Ratio Lower Upper
56 100
69 44.2 25.0 37.4#
84 83.2 69.1 103.7



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

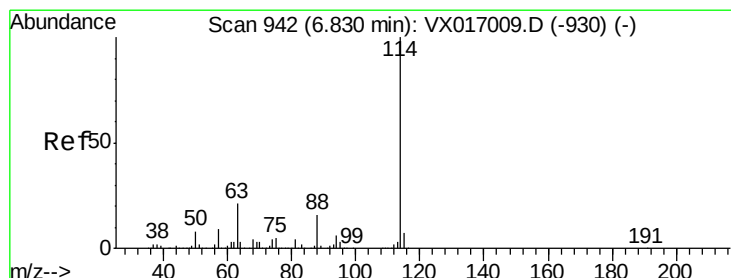
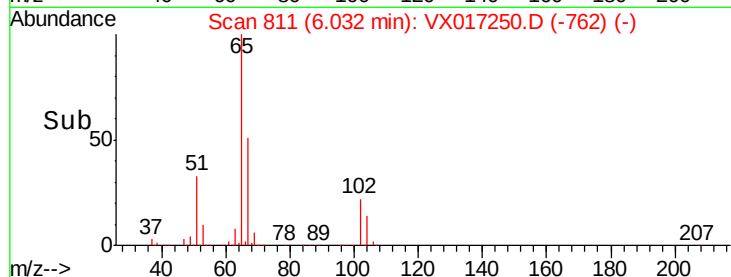
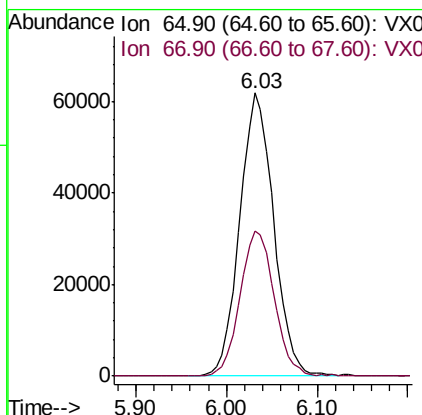
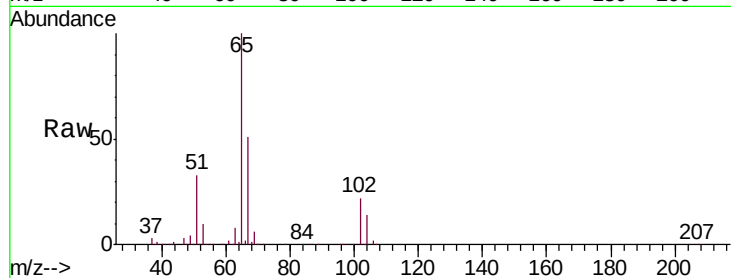




#33
 1,2-Dichloroethane-d4
 Concen: 52.571 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017250.D
 Acq: 08 Jul 2020 13:14

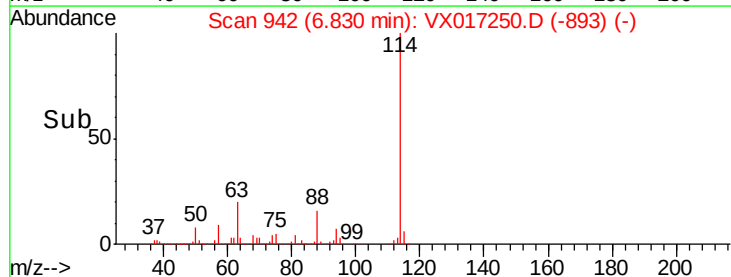
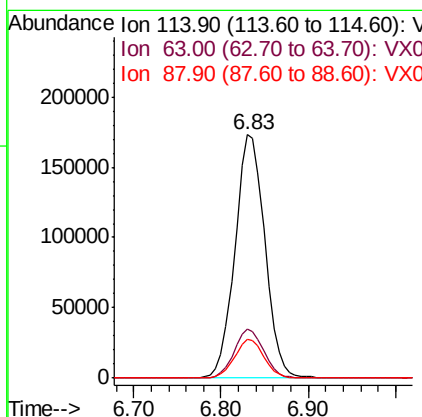
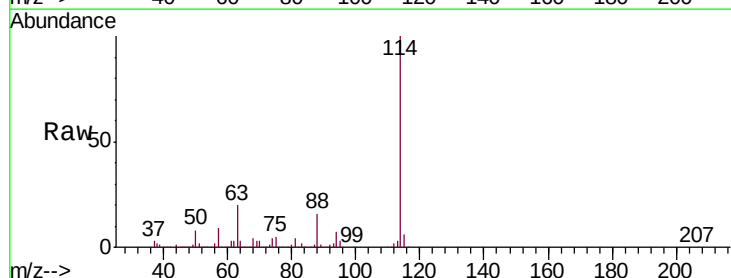
Instrument :
 MSVOA_X
 ClientSampleId :
 1013-FB070620

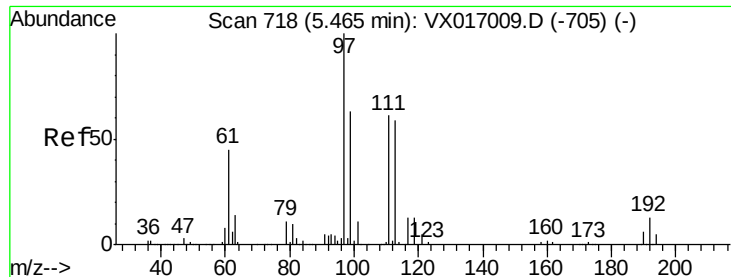
Tgt Ion: 65 Resp: 160774
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017250.D
 Acq: 08 Jul 2020 13:14

Tgt Ion: 114 Resp: 412010
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.4
 88 16.1 0.0 32.4

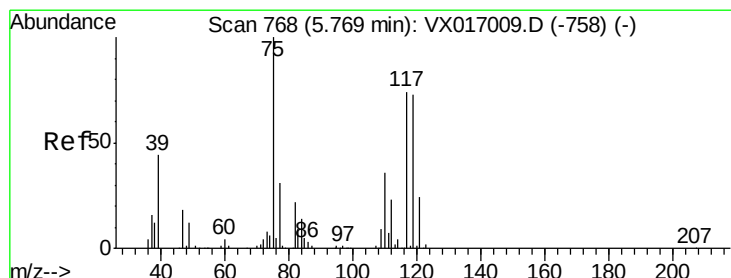
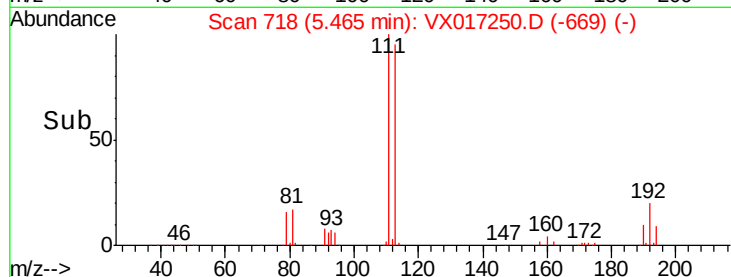
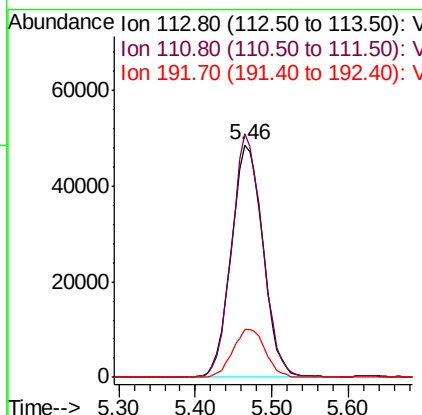
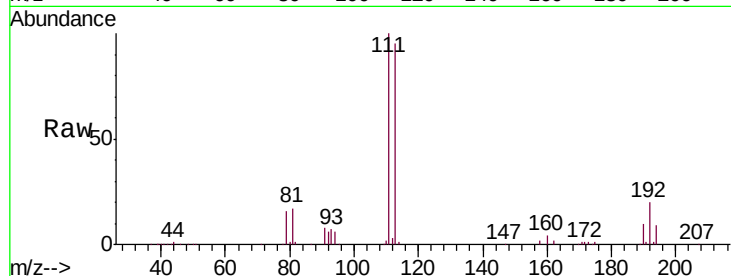




#35
 Dibromofluoromethane
 Concen: 53.848 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX017250.D
 Acq: 08 Jul 2020 13:14

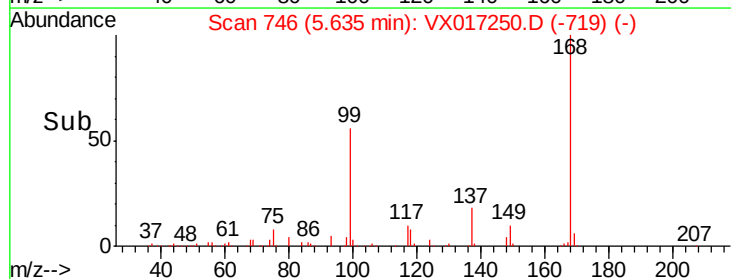
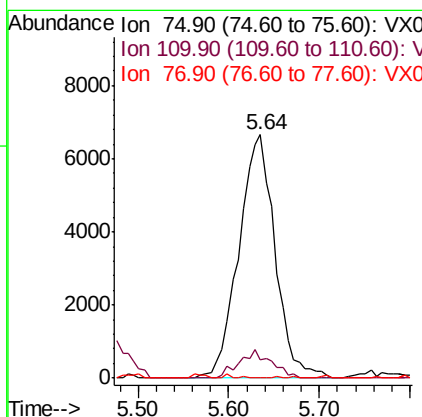
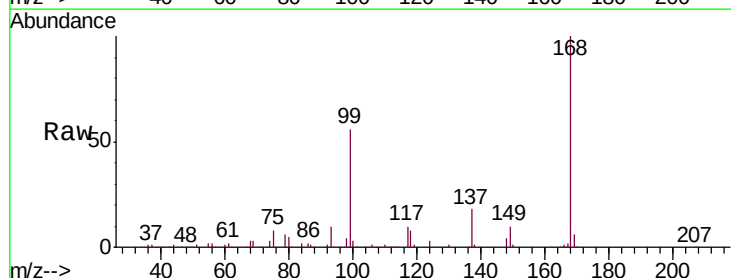
Instrument :
 MSVOA_X
 ClientSampleId :
 1013-FB070620

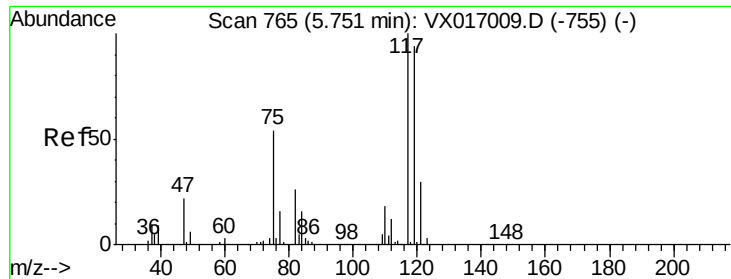
Tgt Ion:113 Resp: 140341
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.9 122.9
 192 21.2 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 4.732 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017250.D
 Acq: 08 Jul 2020 13:14

Tgt Ion: 75 Resp: 18426
 Ion Ratio Lower Upper
 75 100
 110 10.3 18.1 54.1#
 77 0.1 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.591 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017250.D

Acq: 08 Jul 2020 13:14

Instrument :

MSVOA_X

ClientSampleId :

1013-FB070620

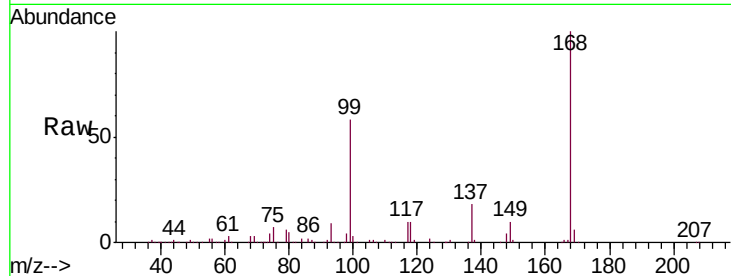
Tgt Ion:117 Resp: 23980

Ion Ratio Lower Upper

117 100

119 5.9 75.4 113.0#

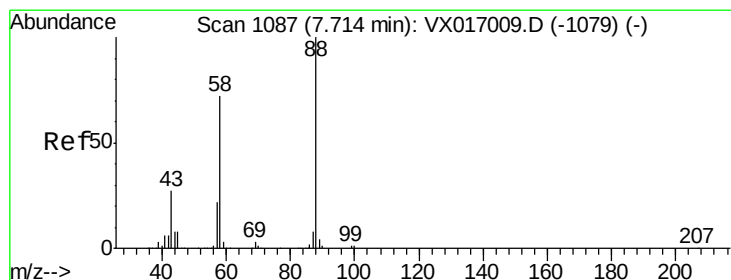
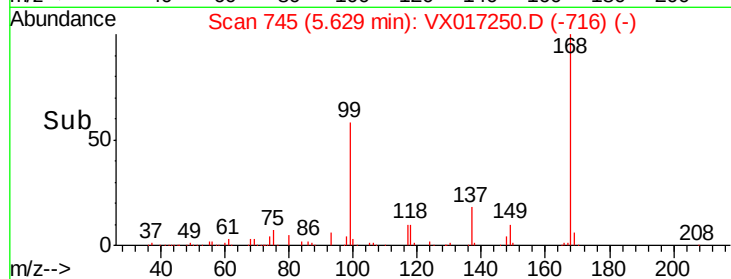
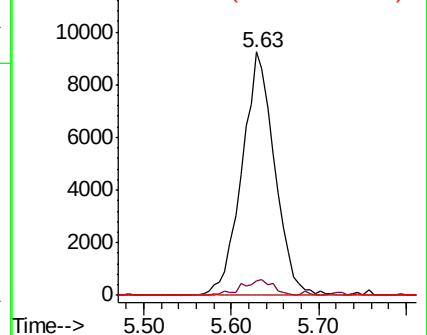
121 0.0 23.8 35.6#



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



#49

1,4-Dioxane

Concen: 0.354 ug/l

RT: 7.45 min Scan# 1043

Delta R.T. -0.27 min

Lab File: VX017250.D

Acq: 08 Jul 2020 13:14

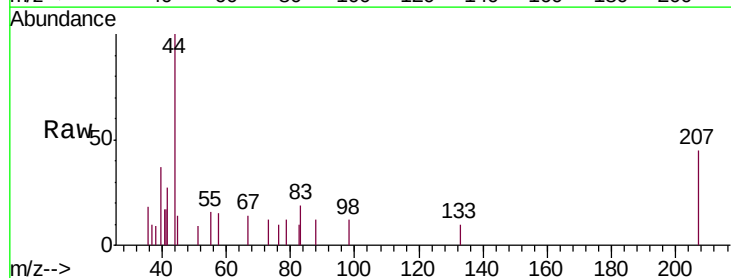
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 844.0 25.8 38.8#

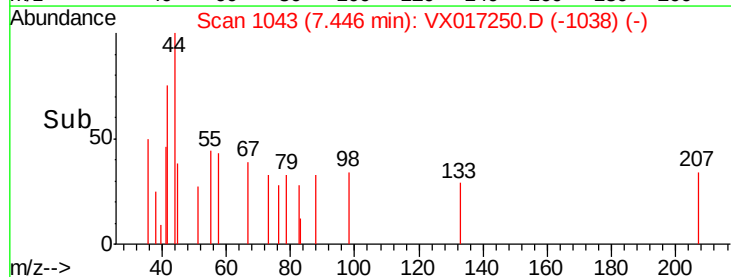
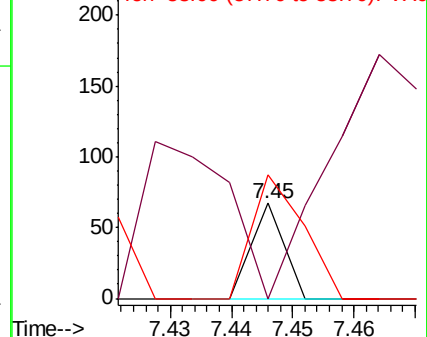
58 200.0 54.8 82.2#

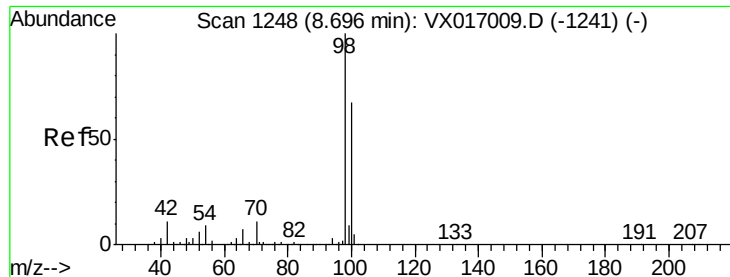


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

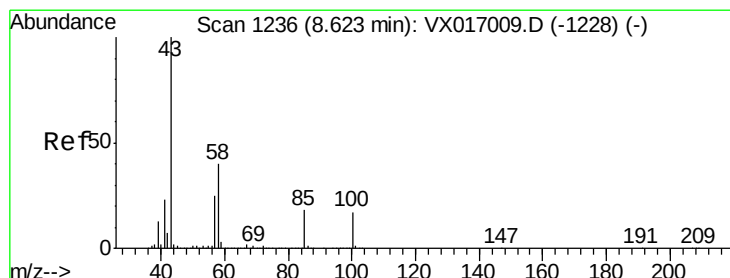
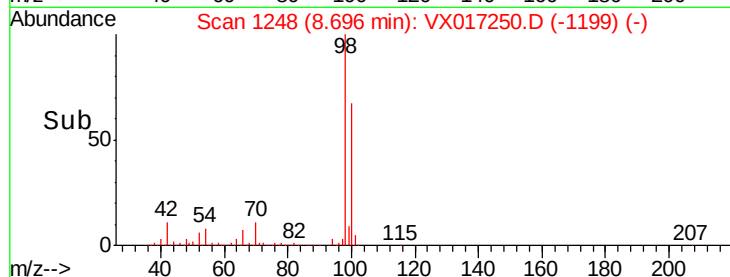
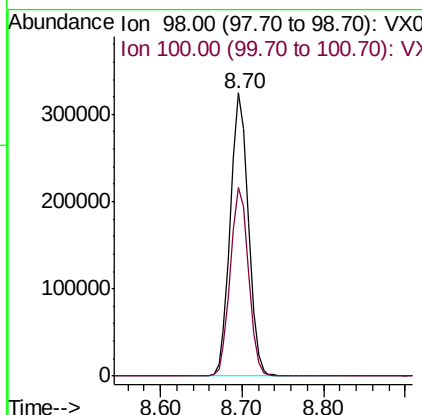
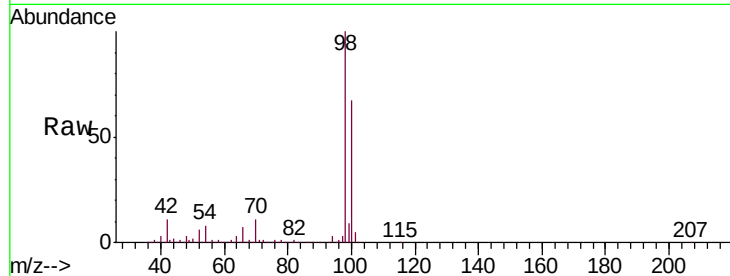




#50
Toluene-d8
Concen: 51.044 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017250.D
Acq: 08 Jul 2020 13:14

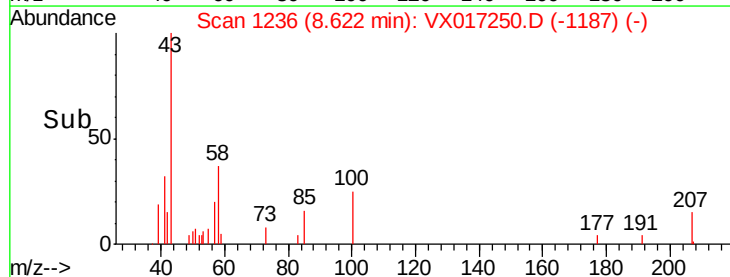
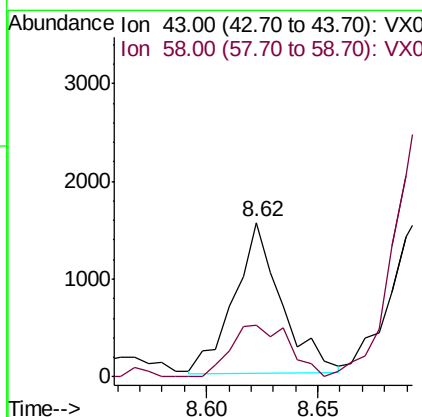
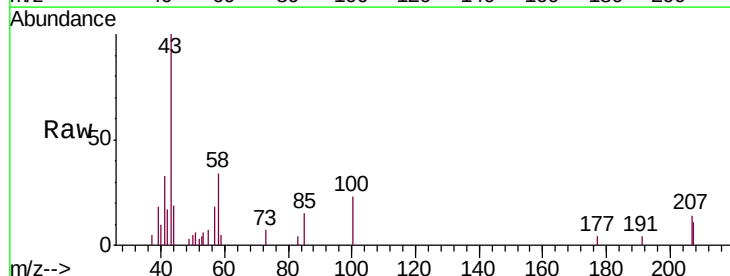
Instrument :
MSVOA_X
ClientSampleId :
1013-FB070620

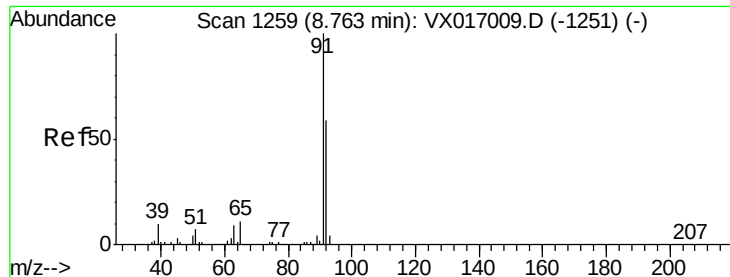
Tgt Ion: 98 Resp: 491929
Ion Ratio Lower Upper
98 100
100 67.2 53.8 80.6



#51
4-Methyl-2-Pentanone
Concen: 0.585 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX017250.D
Acq: 08 Jul 2020 13:14

Tgt Ion: 43 Resp: 2290
Ion Ratio Lower Upper
43 100
58 42.4 31.9 47.9





#52

Toluene

Concen: 0.225 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017250.D

Acq: 08 Jul 2020 13:14

Instrument :

MSVOA_X

ClientSampleId :

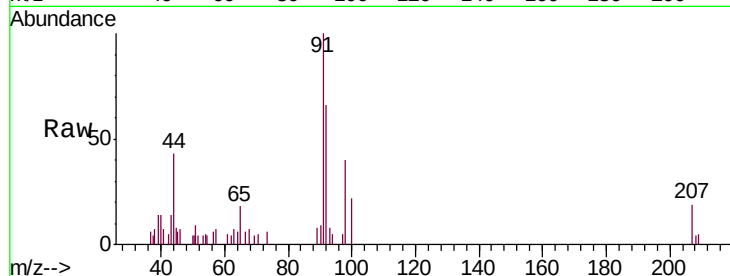
1013-FB070620

Tgt Ion: 92 Resp: 1609

Ion Ratio Lower Upper

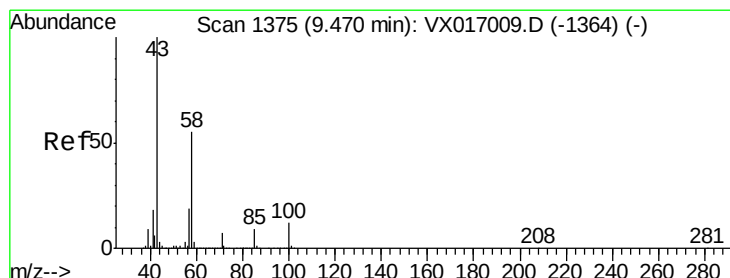
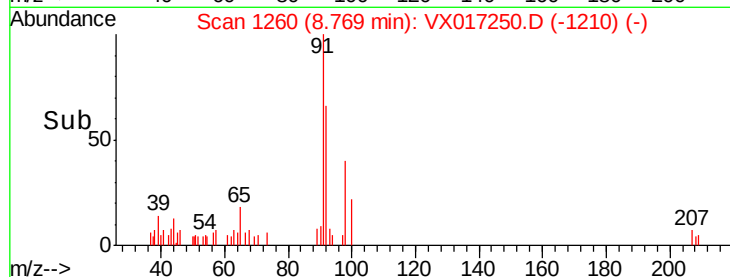
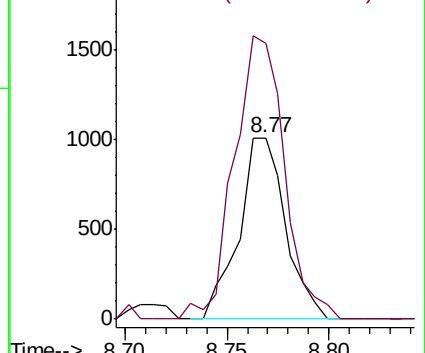
92 100

91 167.8 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#59

2-Hexanone

Concen: 0.716 ug/l

RT: 9.56 min Scan# 1390

Delta R.T. 0.09 min

Lab File: VX017250.D

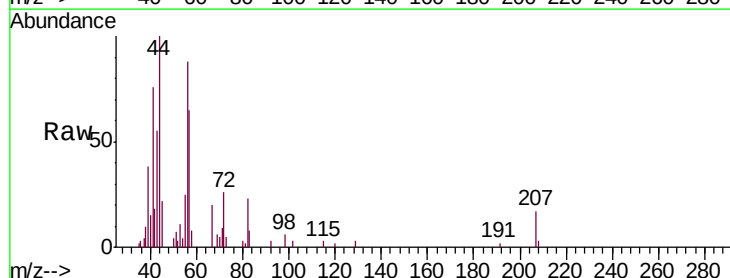
Acq: 08 Jul 2020 13:14

Tgt Ion: 43 Resp: 2047

Ion Ratio Lower Upper

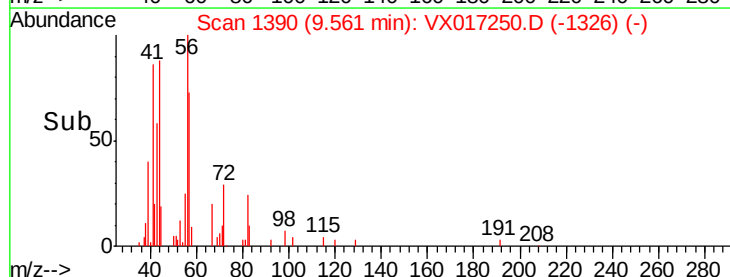
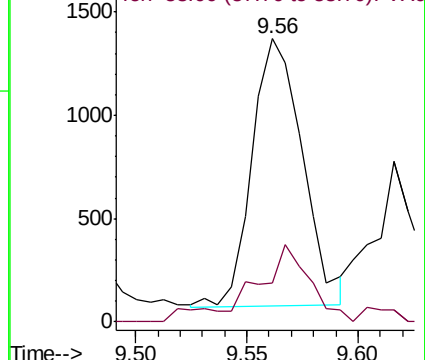
43 100

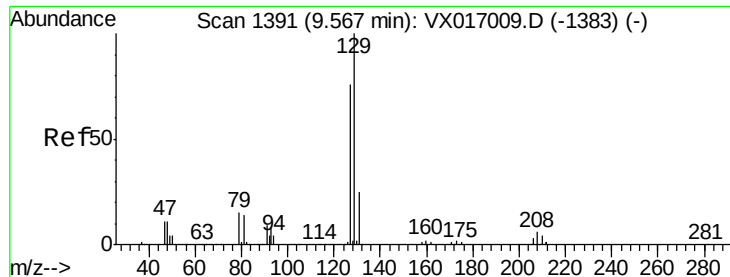
58 28.0 27.9 83.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 0.533 ug/l

RT: 9.31 min Scan# 1349

Delta R.T. -0.26 min

Lab File: VX017250.D

Acq: 08 Jul 2020 13:14

Instrument :

MSVOA_X

ClientSampleId :

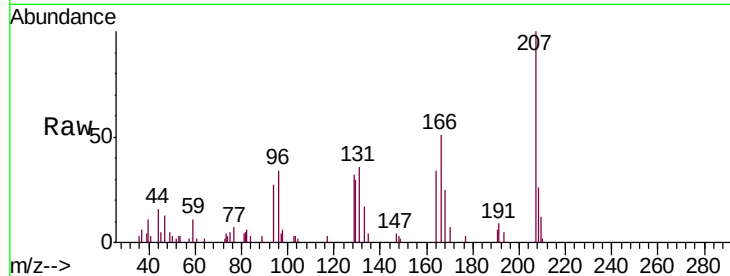
1013-FB070620

Tgt Ion:129 Resp: 1807

Ion Ratio Lower Upper

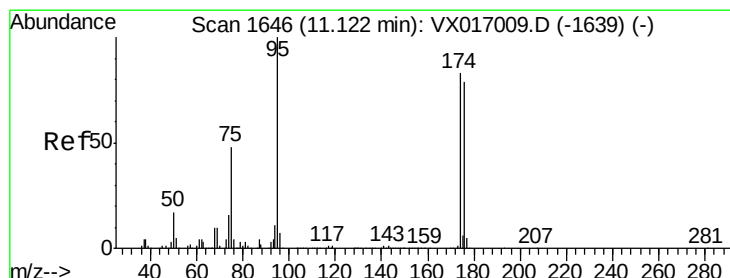
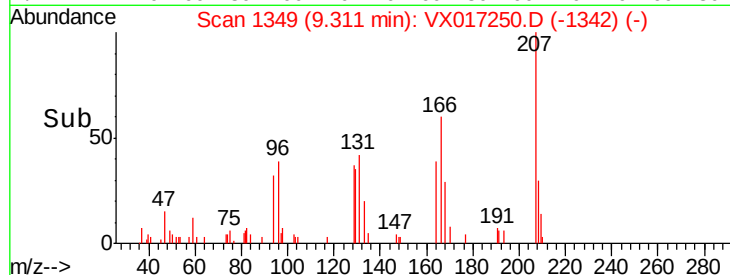
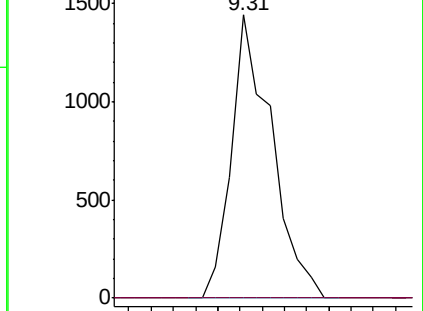
129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 53.200 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017250.D

Acq: 08 Jul 2020 13:14

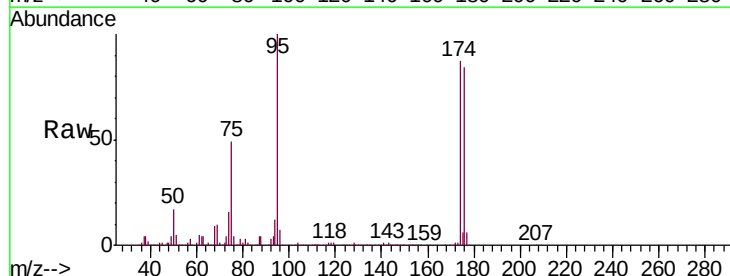
Tgt Ion: 95 Resp: 200426

Ion Ratio Lower Upper

95 100

174 86.1 0.0 164.0

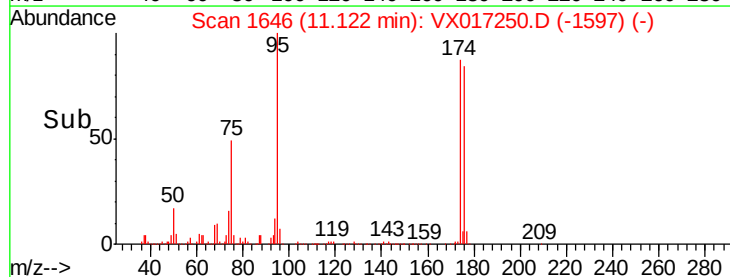
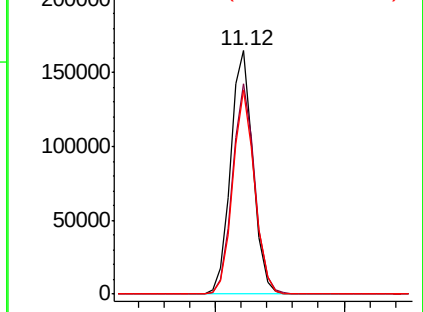
176 82.0 0.0 157.6

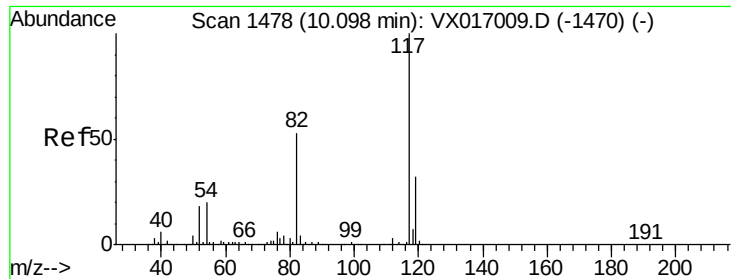


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

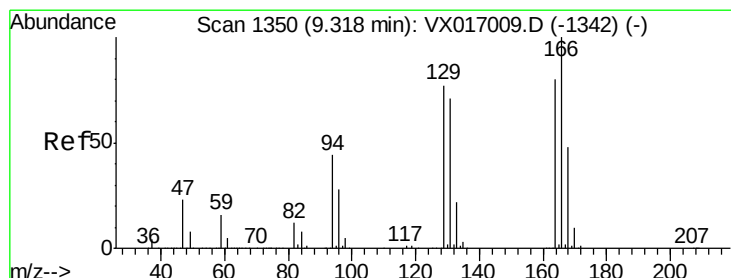
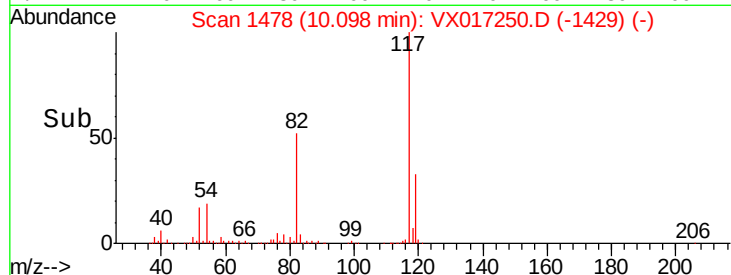
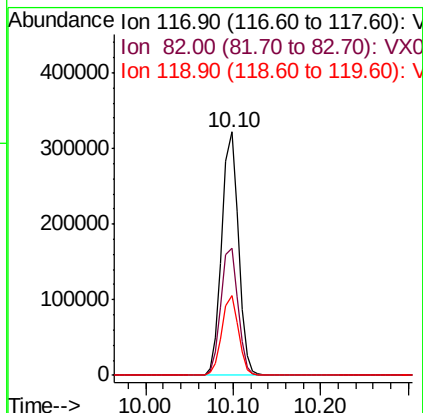
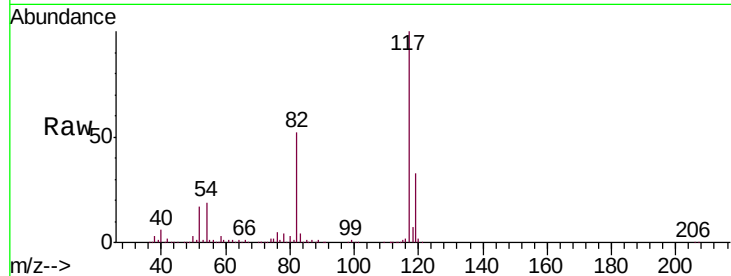




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017250.D
Acq: 08 Jul 2020 13:14

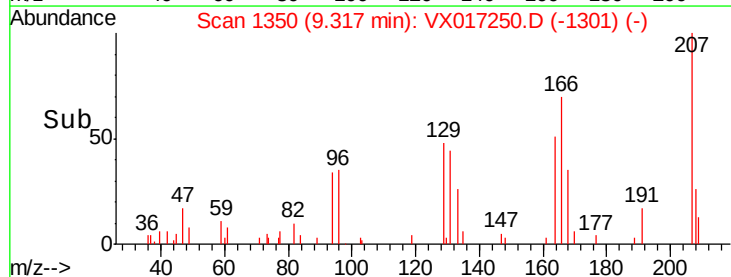
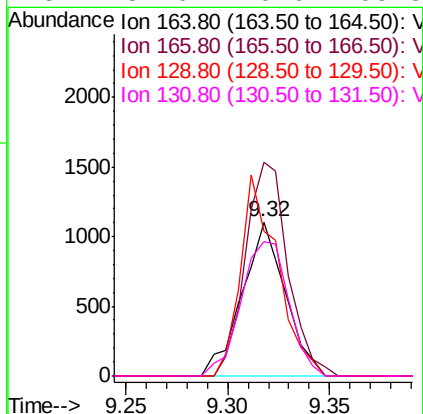
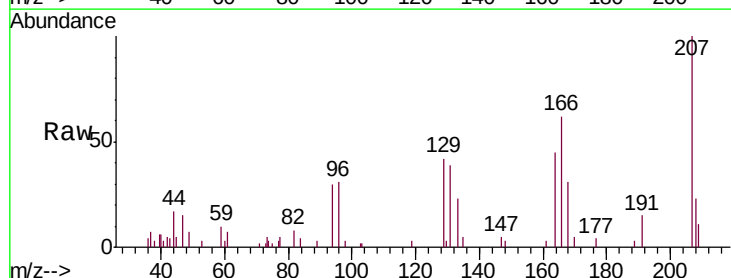
Instrument :
MSVOA_X
ClientSampleId :
1013-FB070620

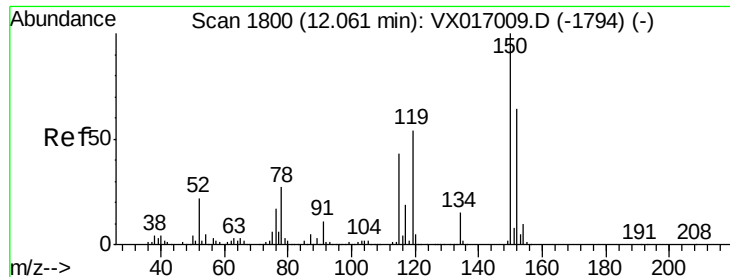
Tgt Ion:117 Resp: 422609
Ion Ratio Lower Upper
117 100
82 52.4 42.6 63.8
119 32.5 25.4 38.2



#64
Tetrachloroethene
Concen: 0.478 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX017250.D
Acq: 08 Jul 2020 13:14

Tgt Ion:164 Resp: 1630
Ion Ratio Lower Upper
164 100
166 139.0 99.4 149.0
129 94.0 76.3 114.5
131 87.6 70.6 105.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017250.D

Acq: 08 Jul 2020 13:14

Instrument :

MSVOA_X

ClientSampleId :

1013-FB070620

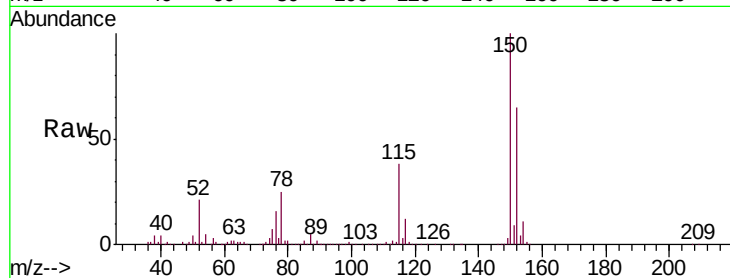
Tgt Ion:152 Resp: 212687

Ion Ratio Lower Upper

152 100

115 58.8 40.9 122.7

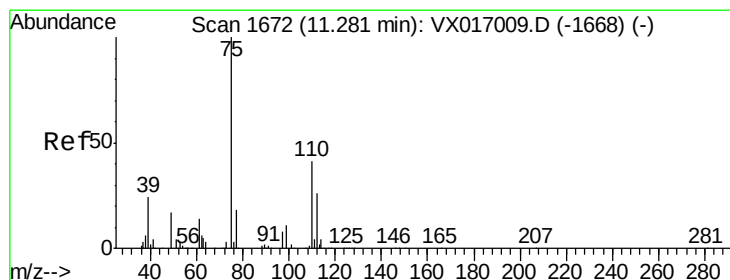
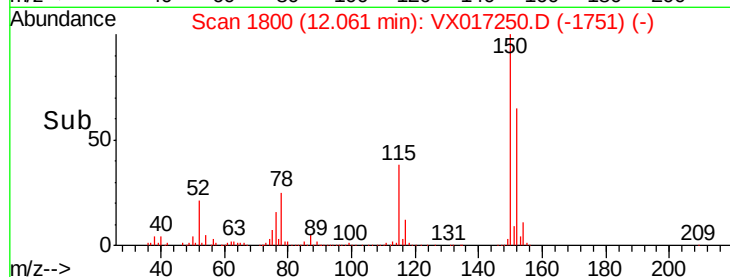
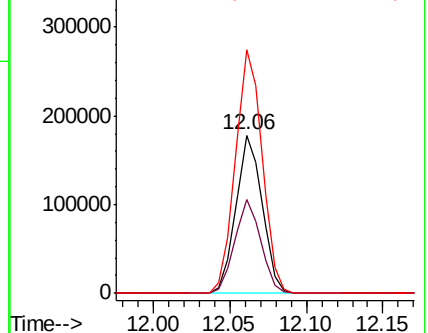
150 156.8 0.0 351.6



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: 24.115 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017250.D

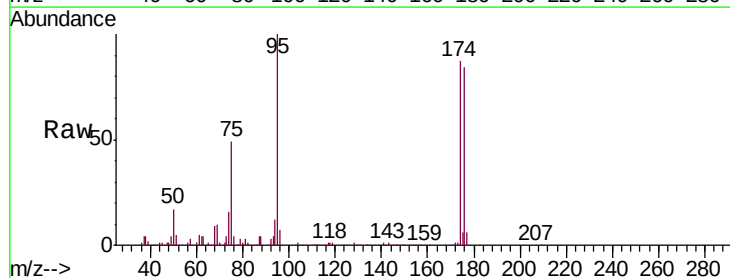
Acq: 08 Jul 2020 13:14

Tgt Ion: 75 Resp: 100858

Ion Ratio Lower Upper

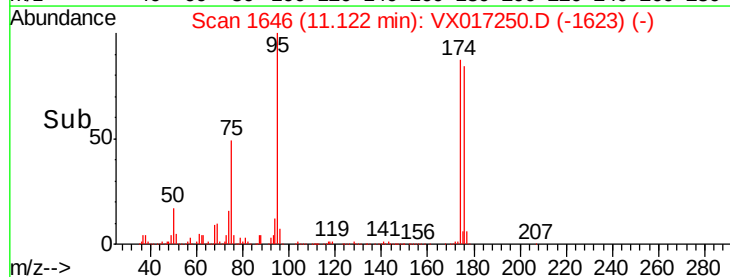
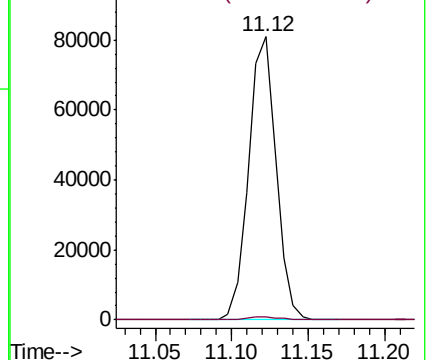
75 100

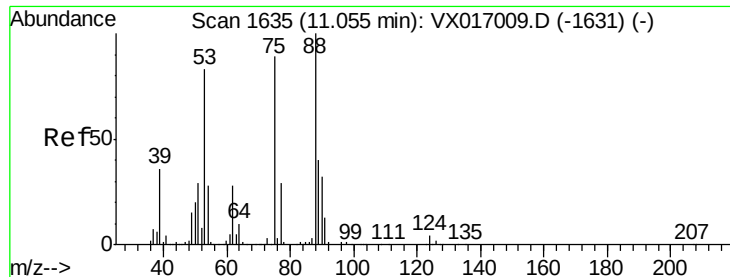
77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

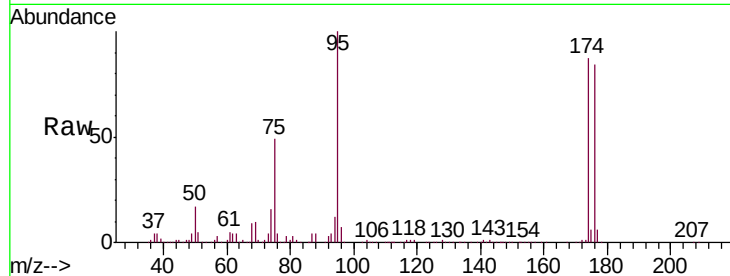




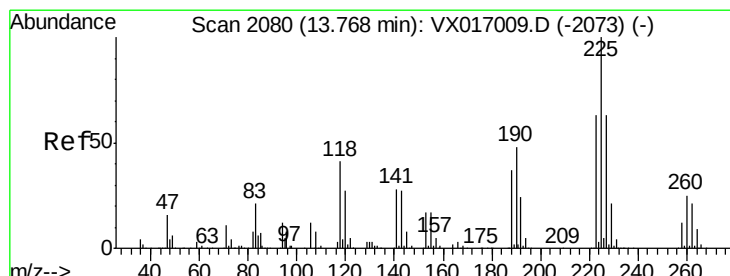
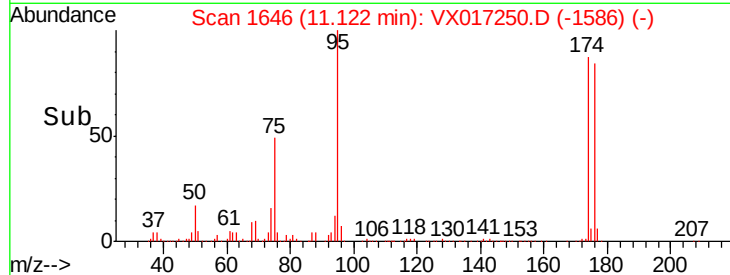
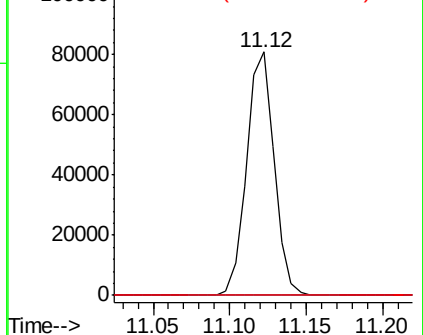
#81
trans-1,4-Dichloro-2-butene
Concen: 62.449 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX017250.D
Acq: 08 Jul 2020 13:14

Instrument :
MSVOA_X
ClientSampleId :
1013-FB070620

Tgt Ion: 75 Resp: 100858
Ion Ratio Lower Upper
75 100
53 0.1 72.4 108.6#
89 0.0 37.0 55.4#

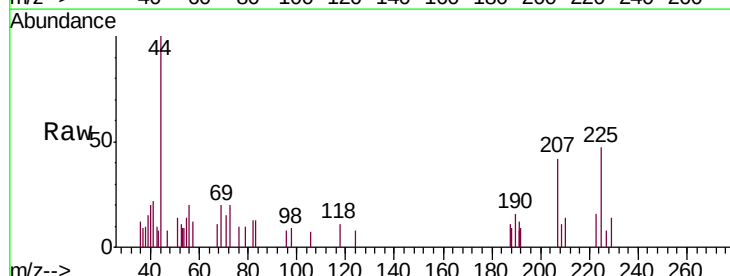


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#94
Hexachlorobutadiene
Concen: 1.026 ug/l
RT: 13.76 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX017250.D
Acq: 08 Jul 2020 13:14

Tgt Ion: 225 Resp: 311
Ion Ratio Lower Upper
225 100
223 22.2 32.5 97.5#
227 27.7 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

