

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063020\
 Data File : VX017061.D
 Acq On : 30 Jun 2020 22:28
 Operator : JC/SP
 Sample : VX0630WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630WBL02

Quant Time: Jul 01 08:15:26 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	236992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	411153	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	414591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	217954	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	156056	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	
35) Dibromofluoromethane	5.46	113	133500	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
50) Toluene-d8	8.70	98	491140	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
62) 4-Bromofluorobenzene	11.12	95	206596	54.95	ug/l	0.00
Spiked Amount			Recovery	=	109.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	530	0.390	ug/l #	24
8) Diethyl Ether	2.17	74	120	0.458	ug/l #	27
10) Methyl Iodide	2.50	142	672	0.228	ug/l #	91
13) Acrolein	2.28	56	473	1.420	ug/l #	32
15) Acrylonitrile	3.12	53	556	0.415	ug/l #	78
16) Acetone	2.41	43	973	0.890	ug/l #	82
17) Carbon Disulfide	2.55	76	2947	0.473	ug/l #	88
18) Methyl Acetate	2.76	43	766	0.268	ug/l #	82
20) Methylene Chloride	2.84	84	1624	Below Cal	#	89
21) trans-1,2-Dichloroethene	3.14	96	575	0.221	ug/l #	82
38) Carbon Tetrachloride	5.63	117	23833	5.568	ug/l #	17
44) Trichloroethene	7.19	130	590	Below Cal		85
76) 1,2,3-Trichloropropane	11.12	75	99720	23.267	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	99720	60.253	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	1086	Below Cal		91
93) 1,2,4-Trichlorobenzene	13.63	180	1282	0.282	ug/l	96
94) Hexachlorobutadiene	13.76	225	556	1.161	ug/l	83
96) 1,2,3-Trichlorobenzene	14.00	180	1054	0.240	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

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ClientSampleId :

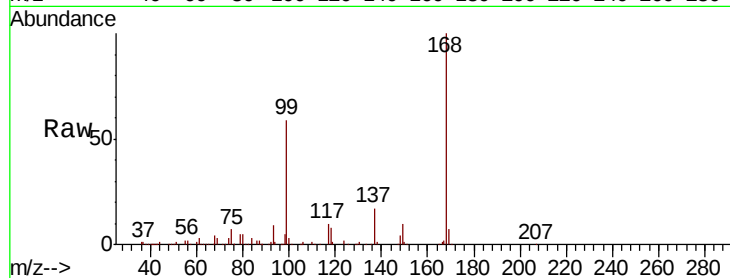
VX0630WBL02

Tot Ion:168 Resp: 236992

Ion Ratio Lower Upper

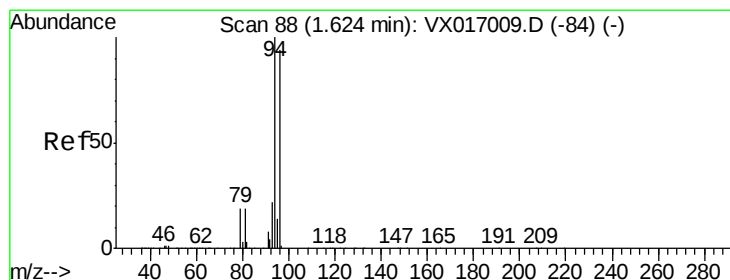
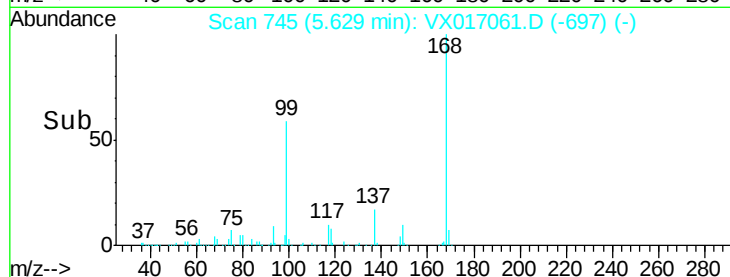
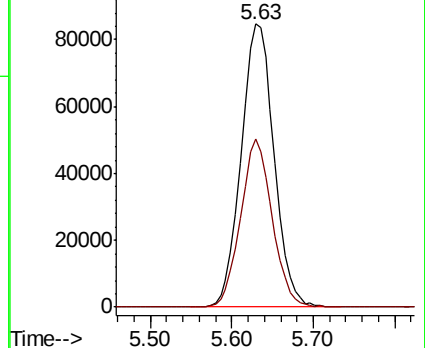
168 100

99 59.5 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.390 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX017061.D

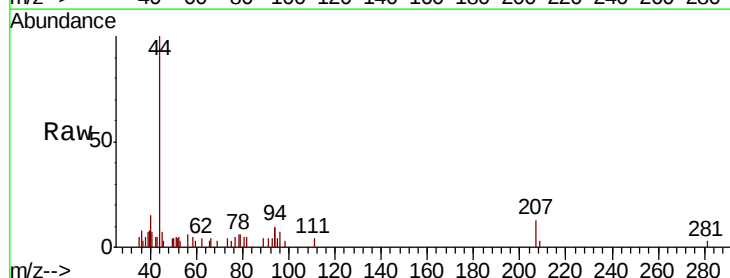
Acq: 30 Jun 2020 22:28

Tgt Ion: 94 Resp: 530

Ion Ratio Lower Upper

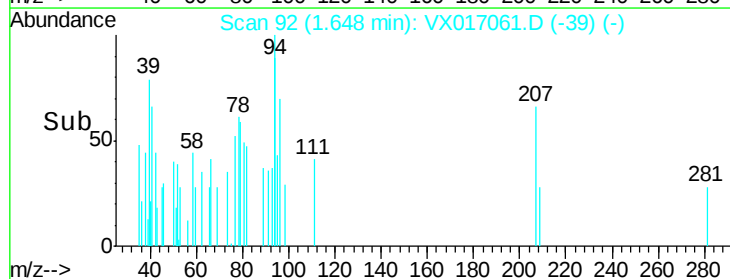
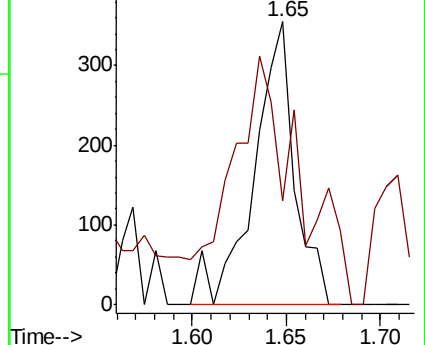
94 100

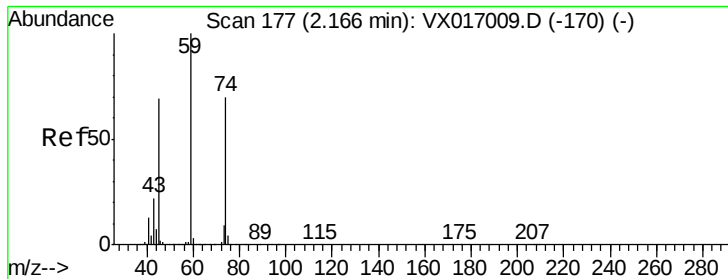
96 20.8 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 0.458 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017061.D

Acq: 30 Jun 2020 22:28

Instrument :

MSVOA_X

ClientSampleId :

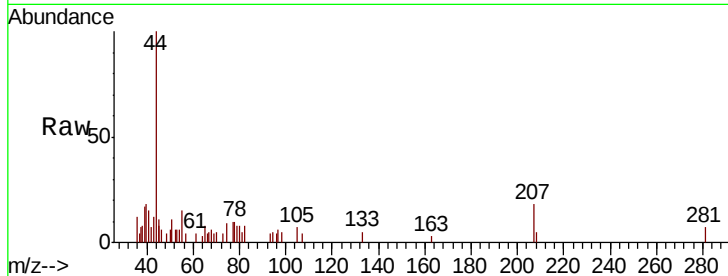
VX0630WBL02

Tot Ion: 74 Resp: 120

Ion Ratio Lower Upper

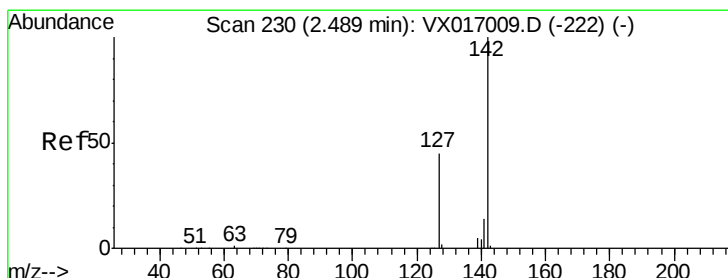
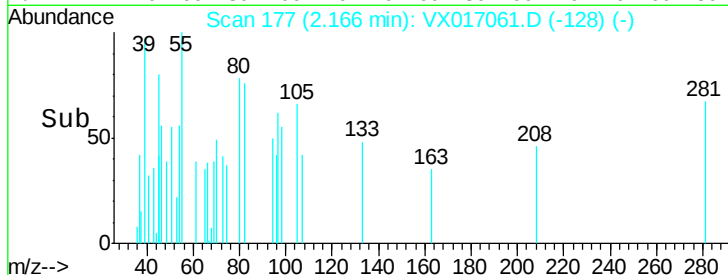
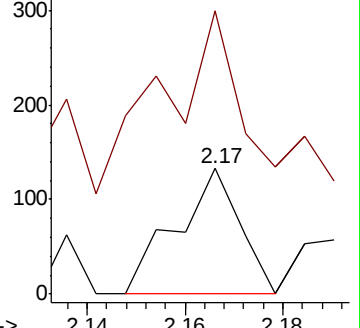
74 100

45 172.5 49.8 149.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 0.228 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX017061.D

Acq: 30 Jun 2020 22:28

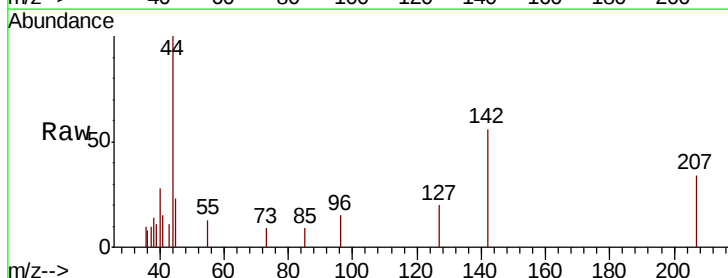
Tgt Ion: 142 Resp: 672

Ion Ratio Lower Upper

142 100

127 46.4 36.6 54.8

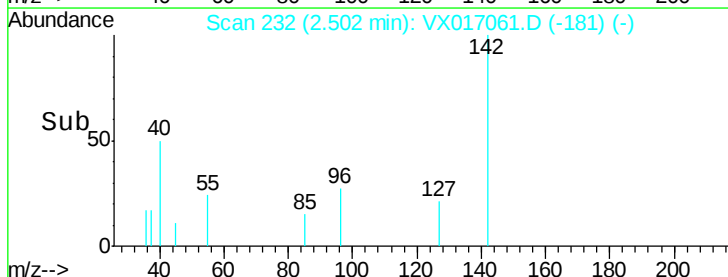
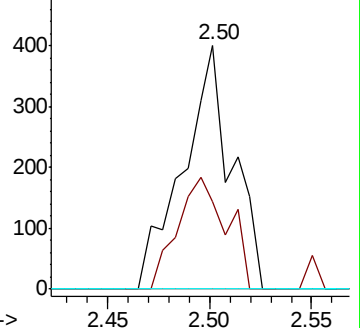
141 0.0 11.6 17.4#

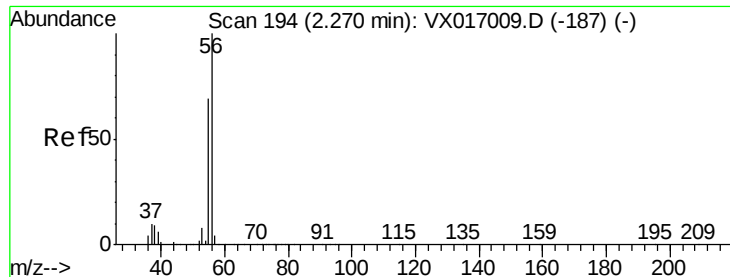


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 1.420 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX017061.D

Acq: 30 Jun 2020 22:28

Instrument :

MSVOA_X

ClientSampleId :

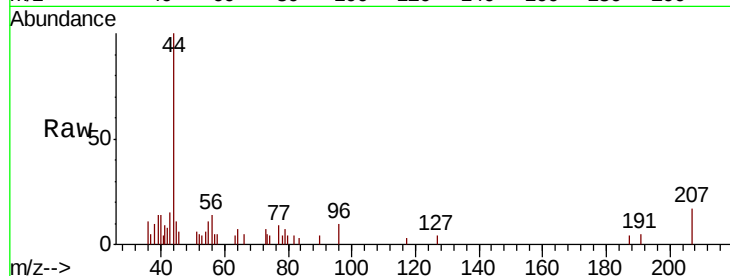
VX0630WBL02

Tot Ion: 56 Resp: 473

Ion Ratio Lower Upper

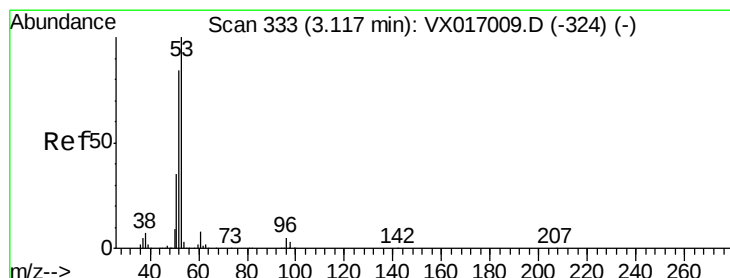
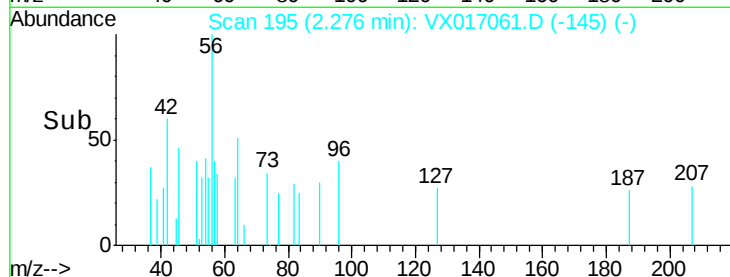
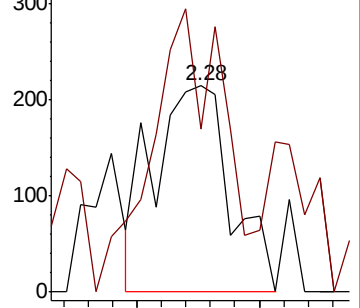
56 100

55 124.9 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.415 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017061.D

Acq: 30 Jun 2020 22:28

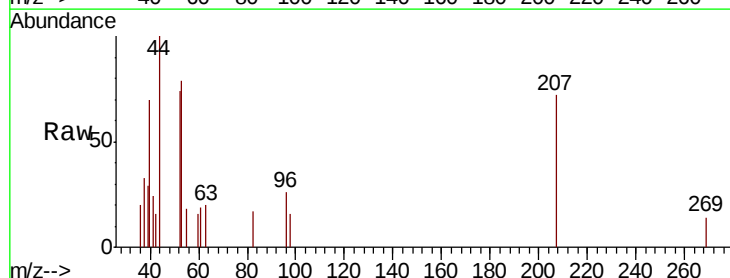
Tgt Ion: 53 Resp: 556

Ion Ratio Lower Upper

53 100

52 64.7 65.6 98.4#

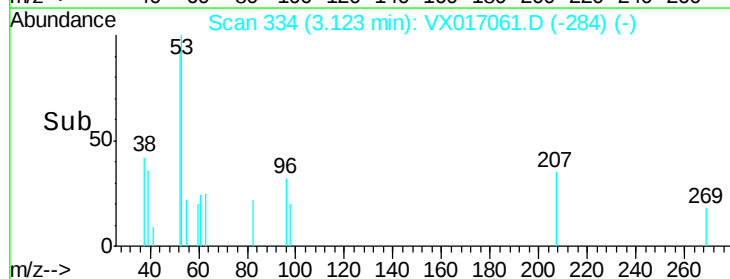
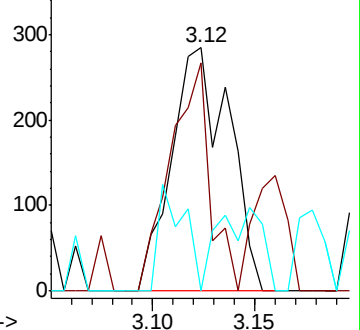
51 19.4 28.3 42.5#

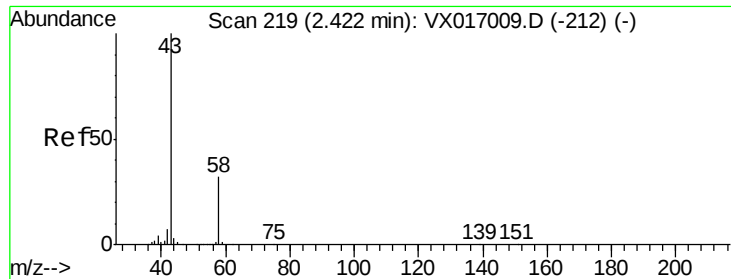


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.890 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX017061.D

Acq: 30 Jun 2020 22:28

Instrument :

MSVOA_X

ClientSampleId :

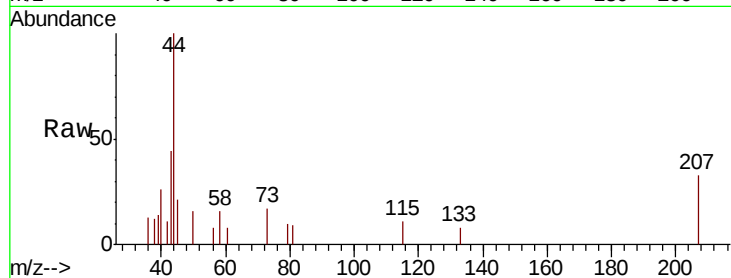
VX0630WBL02

Tot Ion: 43 Resp: 973

Ion Ratio Lower Upper

43 100

58 42.1 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.41

300

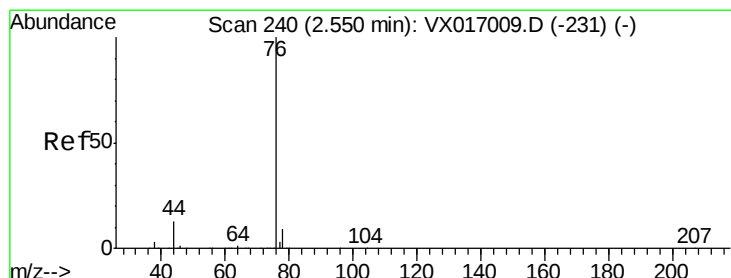
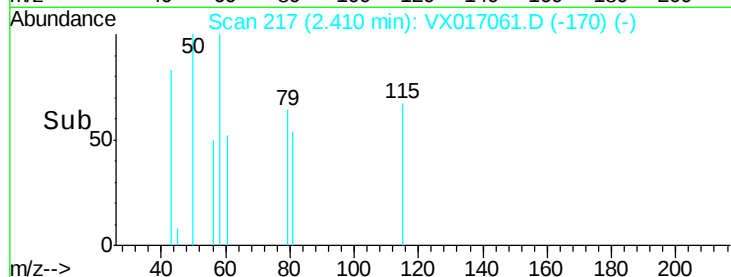
200

100

0

2.35 2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 0.473 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017061.D

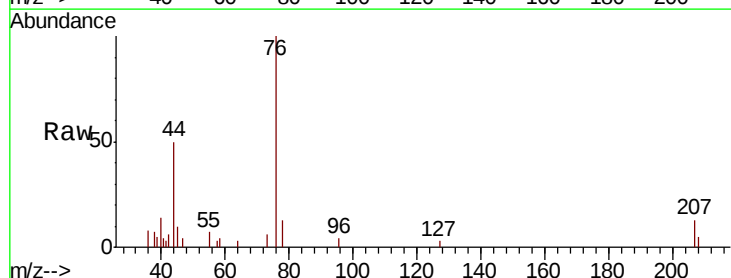
Acq: 30 Jun 2020 22:28

Tgt Ion: 76 Resp: 2947

Ion Ratio Lower Upper

76 100

78 13.3 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

2000

1500

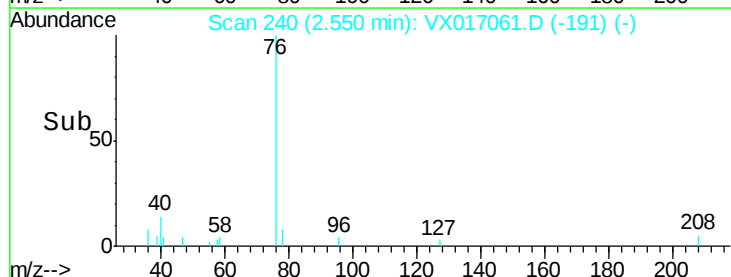
1000

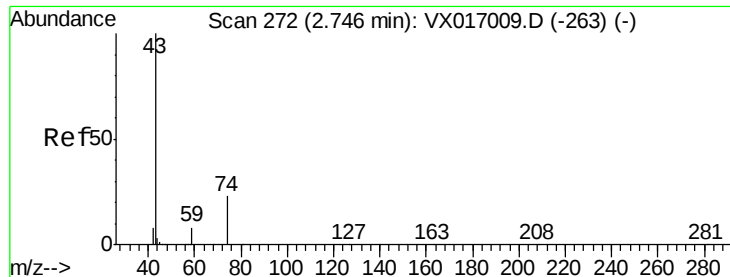
500

0

2.50 2.55 2.60

Time-->

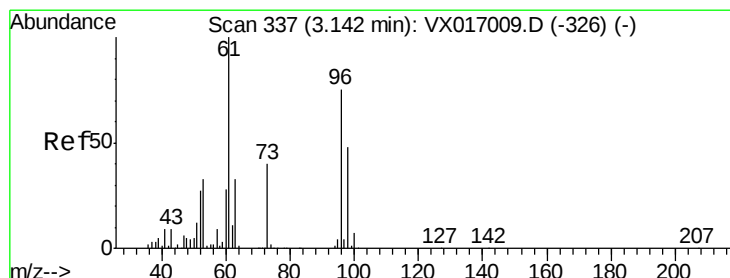
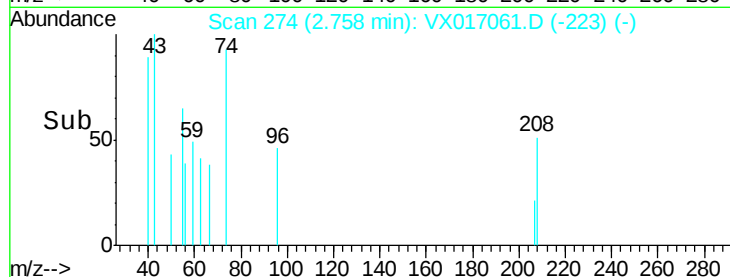
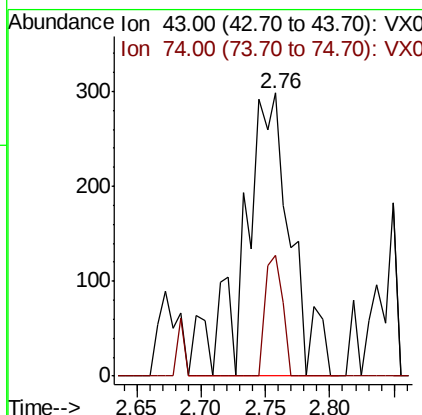
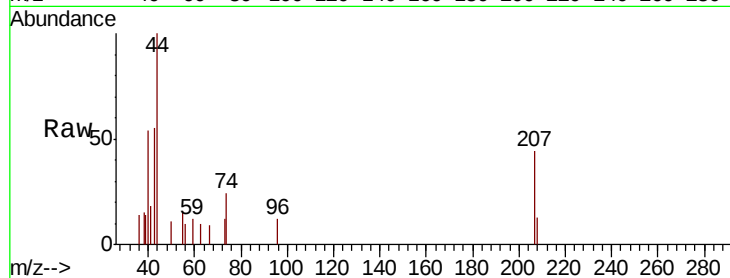




#18
Methvl Acetate
Concen: 0.268 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX017061.D
Acq: 30 Jun 2020 22:28

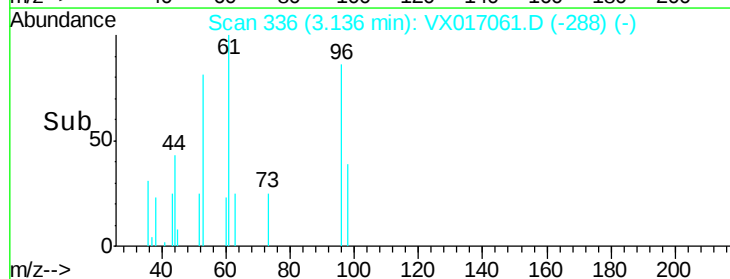
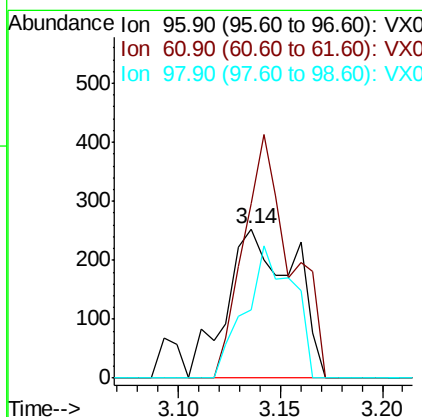
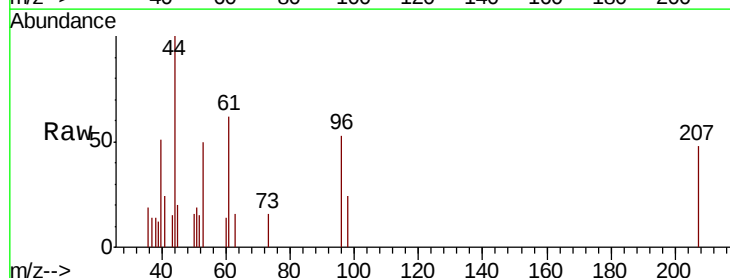
Instrument :
MSVOA_X
ClientSampleId :
VX0630WBL02

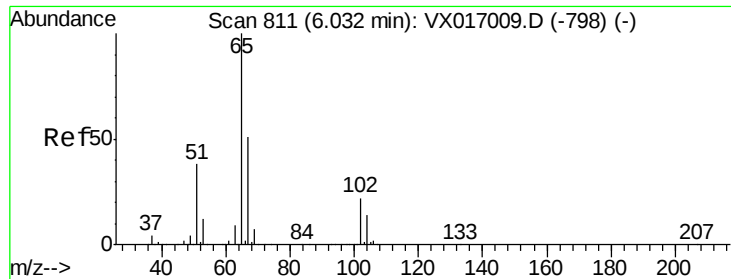
Tot Ion: 43 Resp: 766
Ion Ratio Lower Upper
43 100
74 15.3 19.3 28.9#



#21
trans-1,2-Dichloroethene
Concen: 0.221 ug/l
RT: 3.14 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX017061.D
Acq: 30 Jun 2020 22:28

Tgt Ion: 96 Resp: 575
Ion Ratio Lower Upper
96 100
61 116.6 107.0 160.6
98 45.5 51.6 77.4#

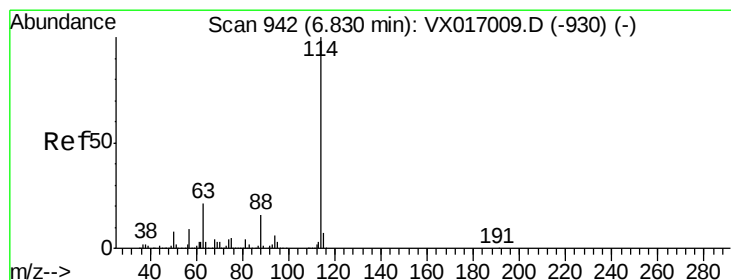
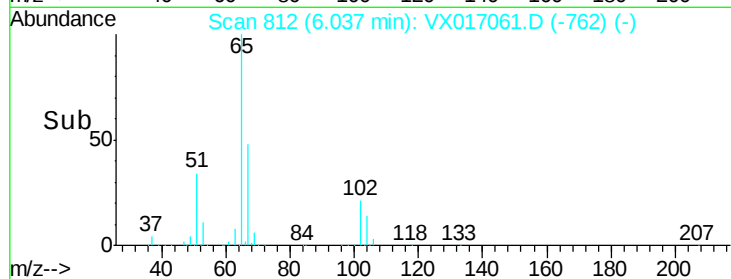
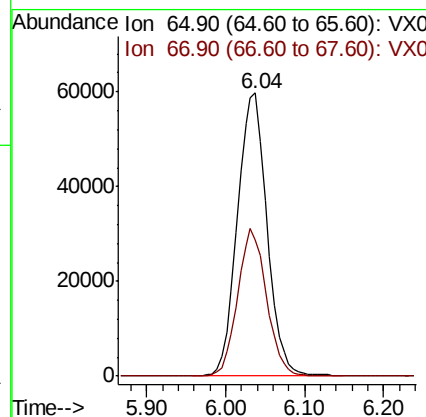
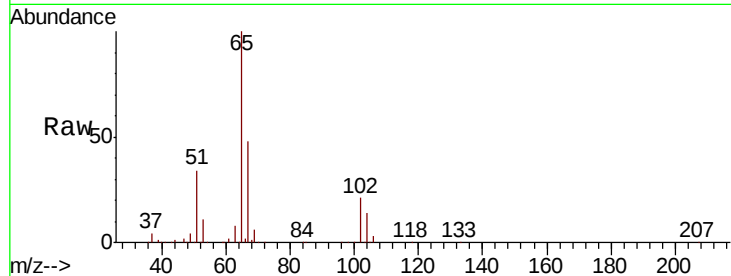




#33
 1,2-Dichloroethane-d4
 Concen: 53.414 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX017061.D
 Acq: 30 Jun 2020 22:28

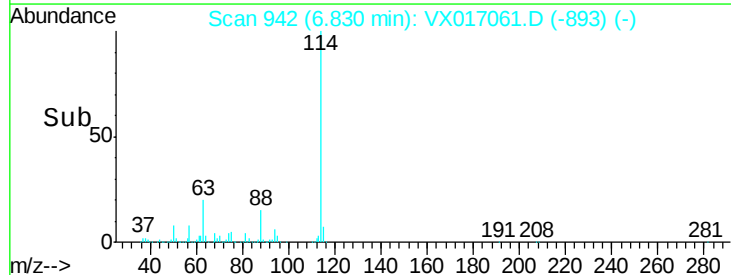
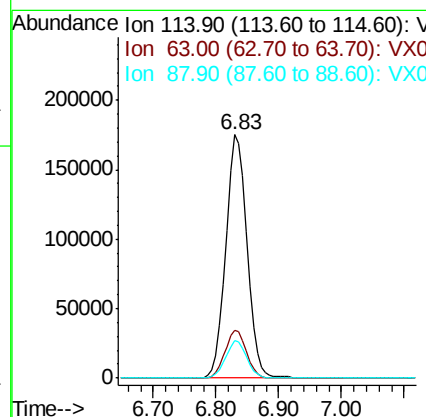
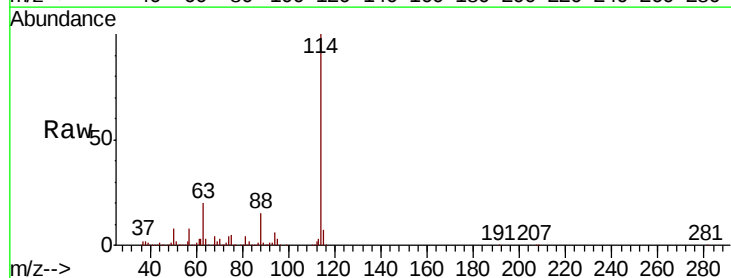
Instrument :
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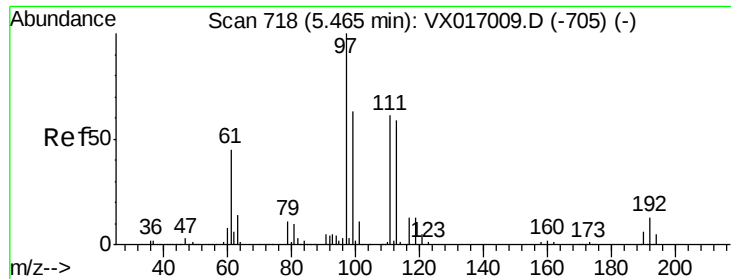
Tot Ion: 65 Resp: 156056
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017061.D
 Acq: 30 Jun 2020 22:28

Tgt Ion: 114 Resp: 411153
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.4
 88 15.4 0.0 32.4

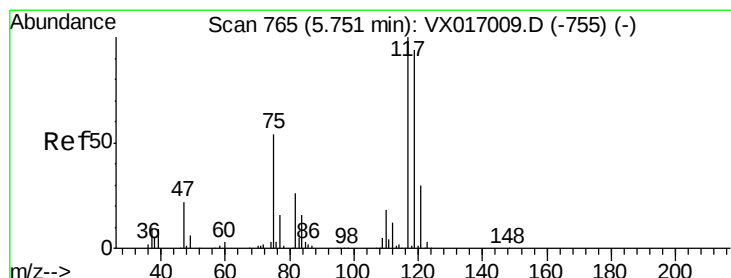
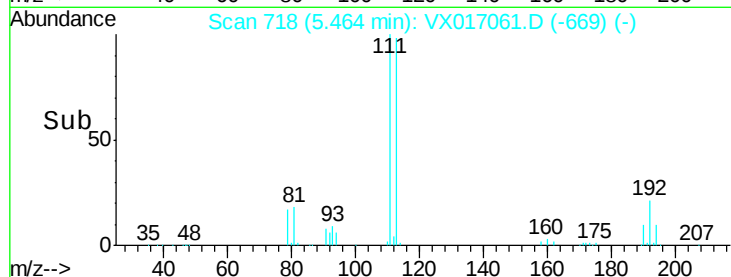
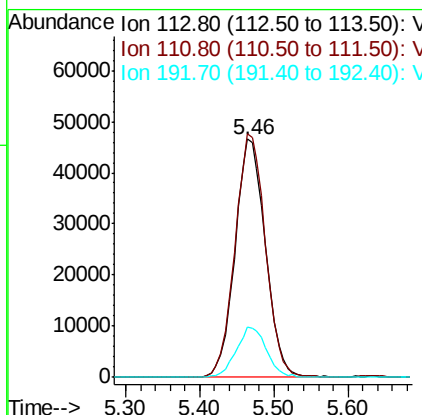
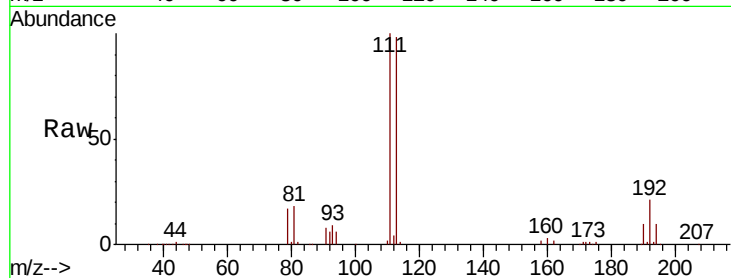




#35
Dibromofluoromethane
Concen: 51.330 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX017061.D
Acq: 30 Jun 2020 22:28

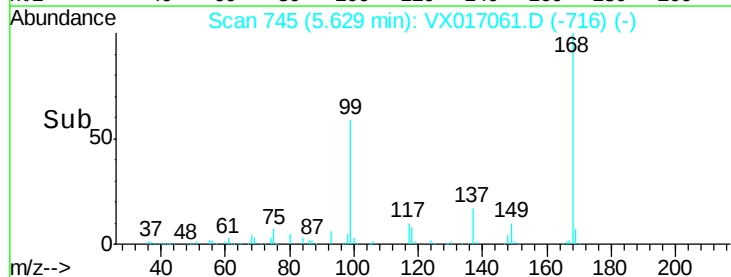
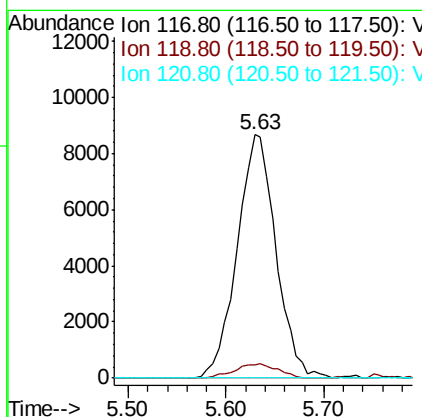
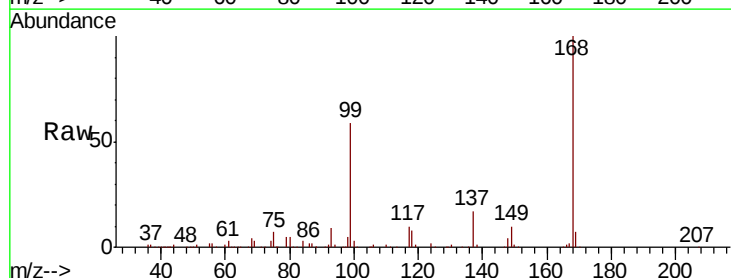
Instrument :
MSVOA_X
ClientSampleId :
VX0630WBL02

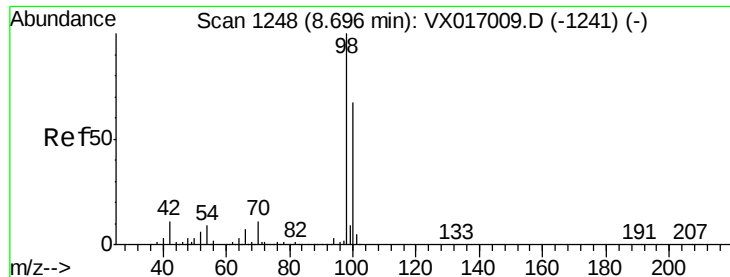
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.9	122.9
192	20.9	16.7	25.1



#38
Carbon Tetrachloride
Concen: 5.568 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX017061.D
Acq: 30 Jun 2020 22:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.4	113.0#
121	0.0	23.8	35.6#





#50

Toluene-d8

Concen: 51.068 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017061.D

Acq: 30 Jun 2020 22:28

Instrument :

MSVOA_X

ClientSampleId :

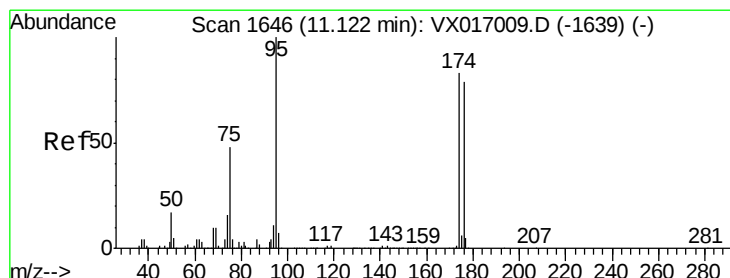
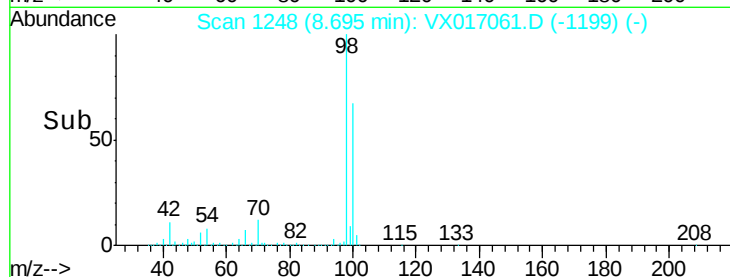
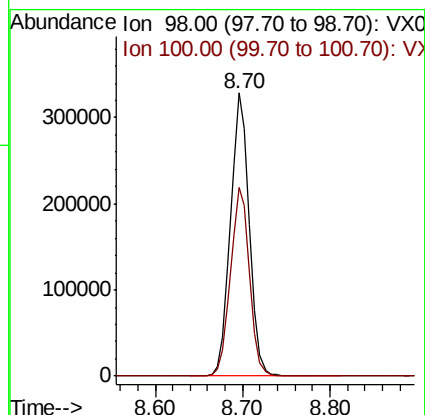
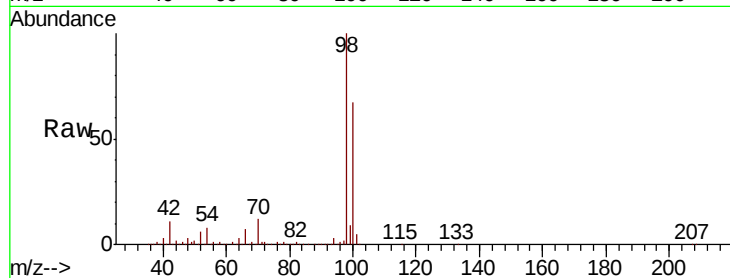
VX0630WBL02

Tot Ion: 98 Resp: 491140

Ion Ratio Lower Upper

98 100

100 67.1 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 54.953 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017061.D

Acq: 30 Jun 2020 22:28

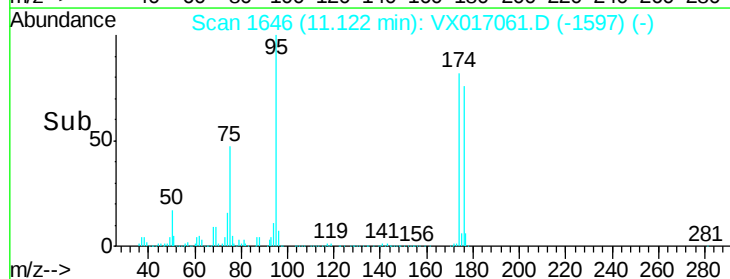
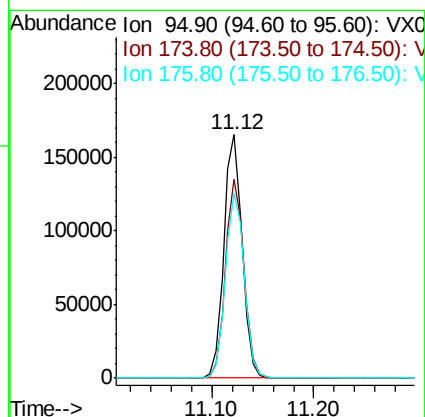
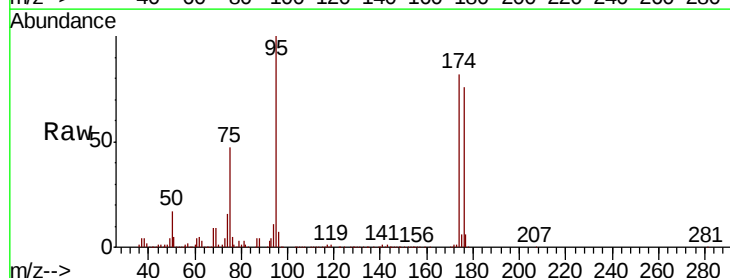
Tgt Ion: 95 Resp: 206596

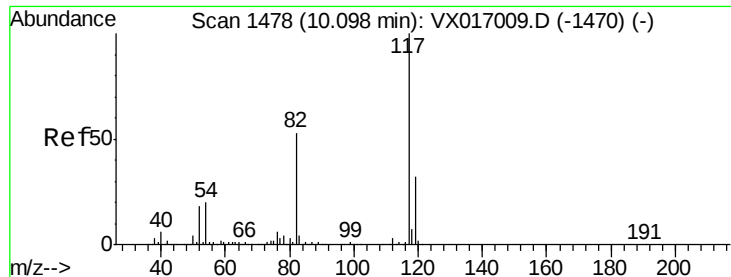
Ion Ratio Lower Upper

95 100

174 82.5 0.0 164.0

176 78.4 0.0 157.6

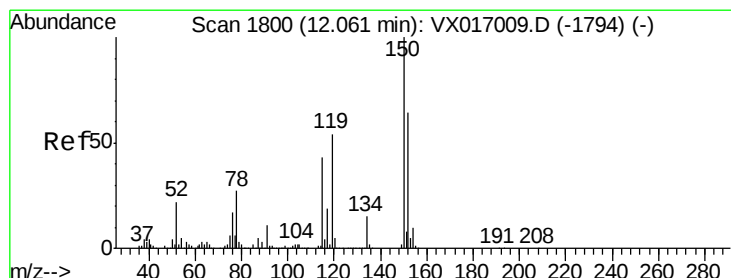
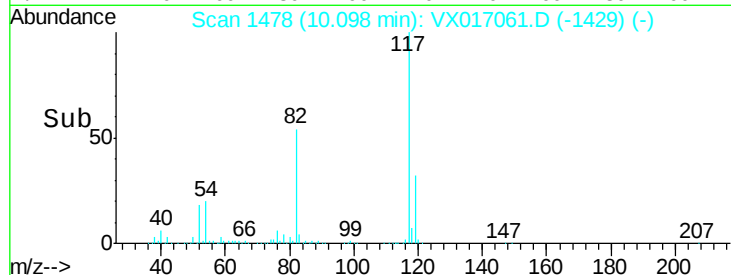
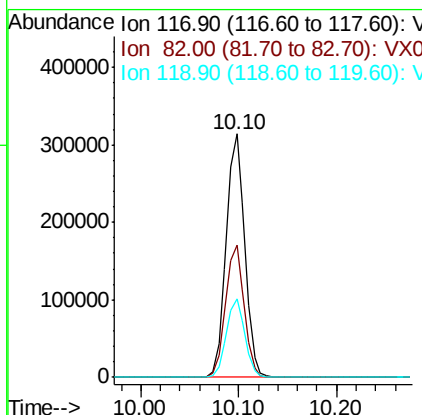
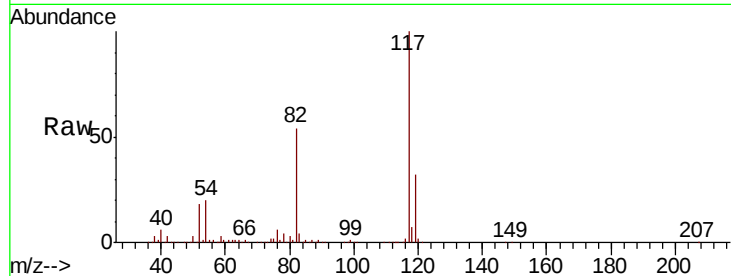




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017061.D
Acq: 30 Jun 2020 22:28

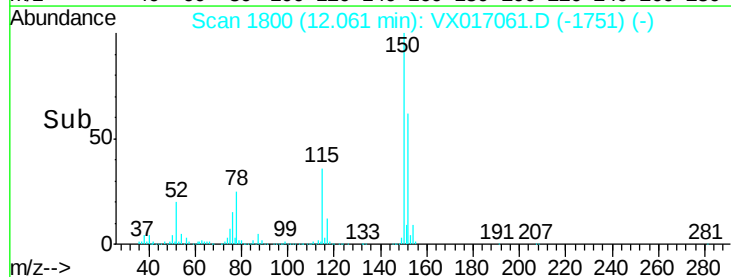
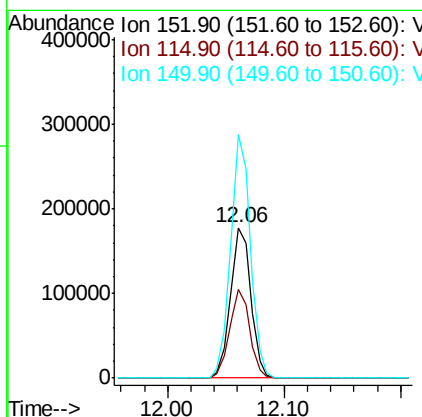
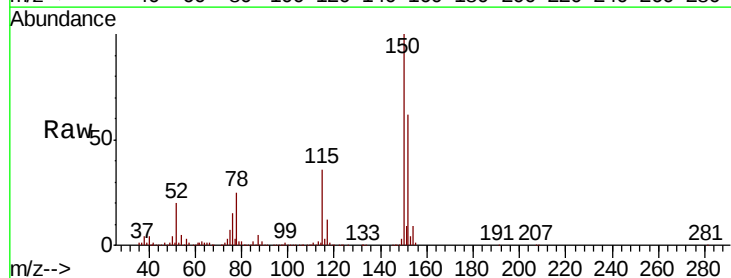
Instrument :
MSVOA_X
ClientSampleId :
VX0630WBL02

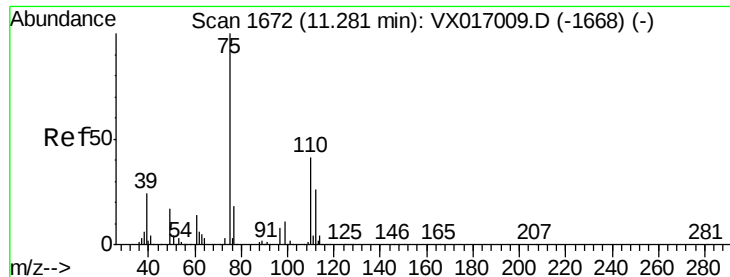
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.6	63.8
119	32.1	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017061.D
Acq: 30 Jun 2020 22:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	40.9	122.7
150	157.3	0.0	351.6





#76

1,2,3-Trichloropropane

Concen: 23.267 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017061.D

Acq: 30 Jun 2020 22:28

Instrument :

MSVOA_X

ClientSampleId :

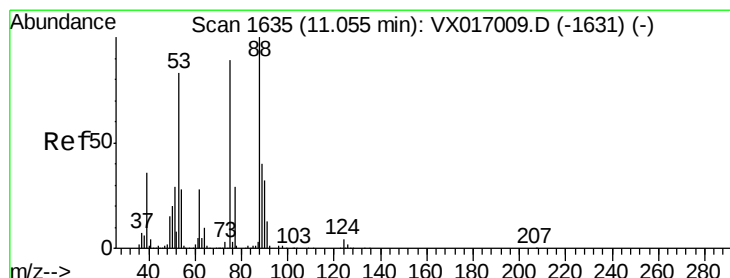
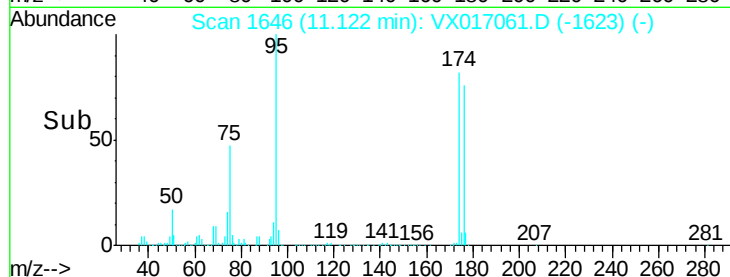
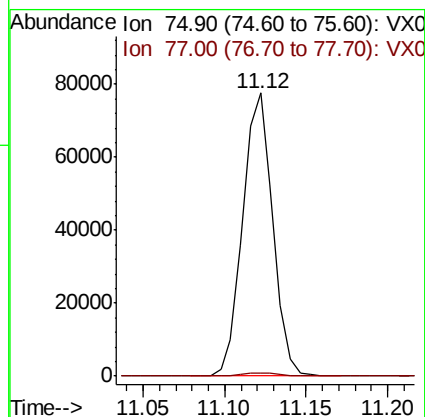
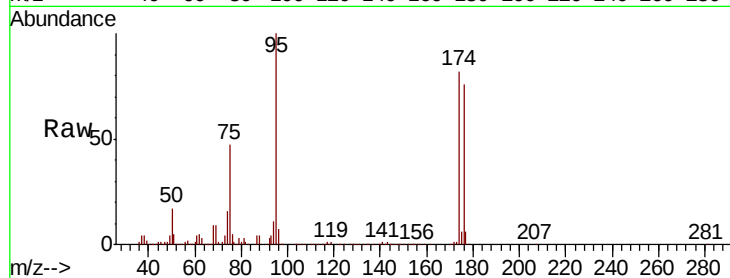
VX0630WBL02

Tot Ion: 75 Resp: 99720

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.253 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017061.D

Acq: 30 Jun 2020 22:28

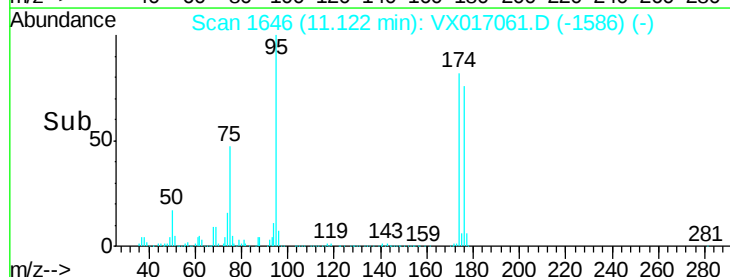
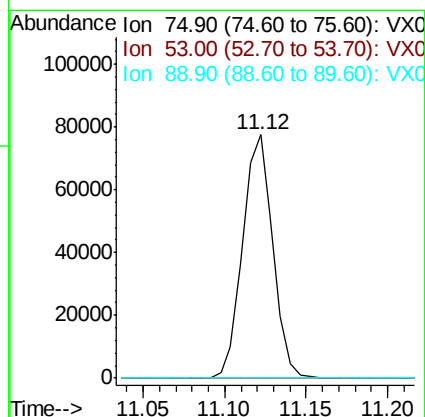
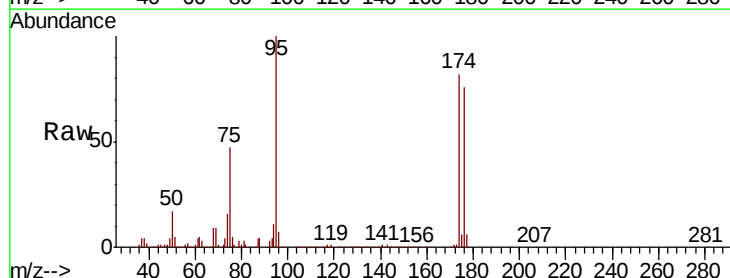
Tgt Ion: 75 Resp: 99720

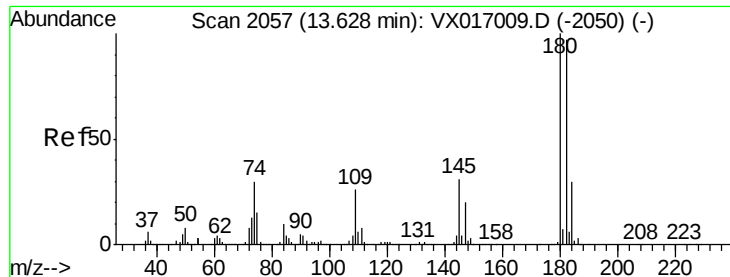
Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

89 0.0 37.0 55.4#

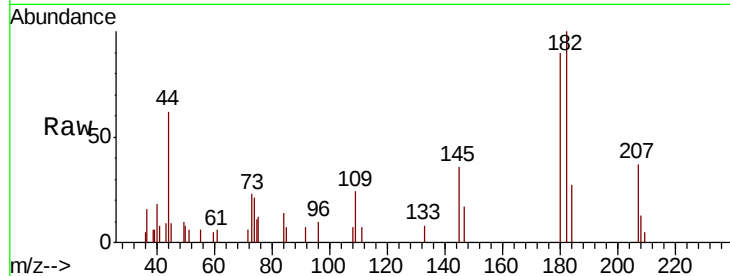




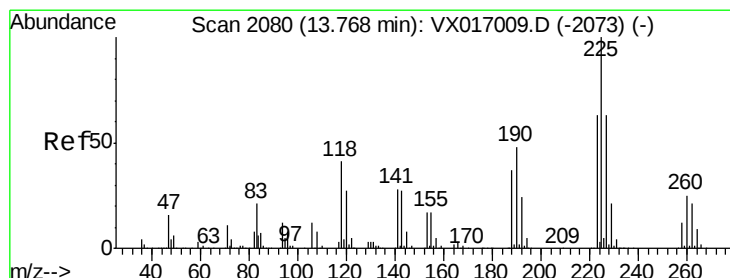
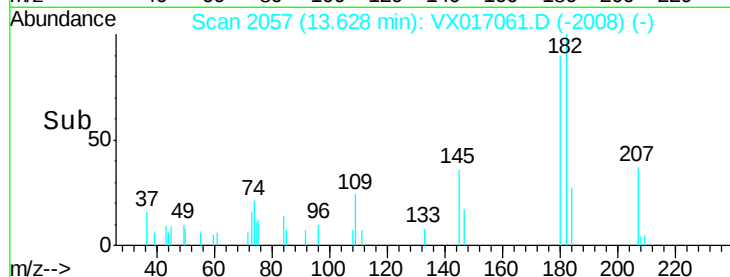
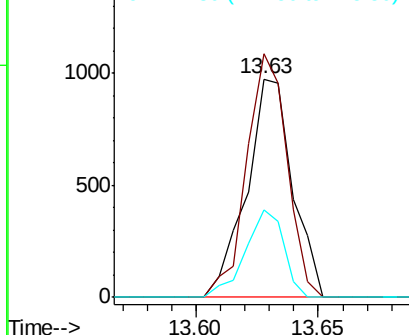
#93
 1,2,4-Trichlorobenzene
 Concen: 0.282 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017061.D
 Acq: 30 Jun 2020 22:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630WBL02

Tot Ion:180 Resp: 1282
 Ion Ratio Lower Upper
 180 100
 182 97.7 47.3 141.9
 145 33.4 15.4 46.2

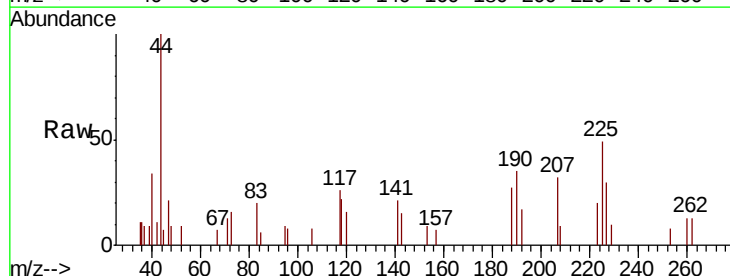


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

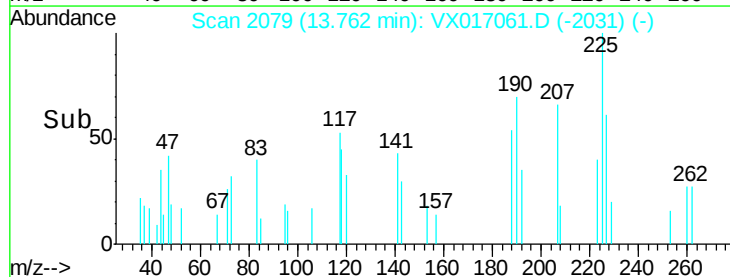
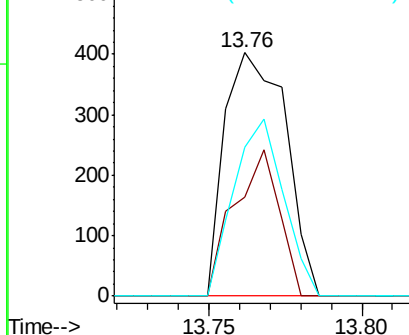


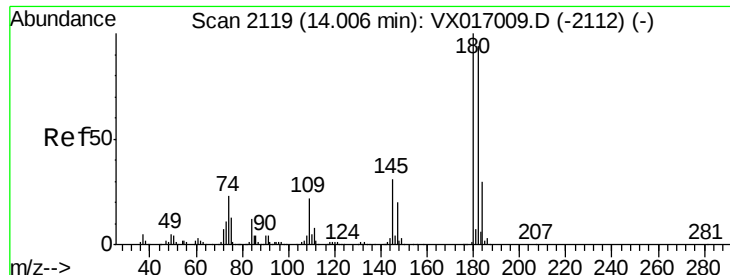
#94
 Hexachlorobutadiene
 Concen: 1.161 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX017061.D
 Acq: 30 Jun 2020 22:28

Tgt Ion:225 Resp: 556
 Ion Ratio Lower Upper
 225 100
 223 44.2 32.5 97.5
 227 59.5 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





#96

1,2,3-Trichlorobenzene

Concen: 0.240 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX017061.D

Acq: 30 Jun 2020 22:28

Instrument :

MSVOA_X

ClientSampleId :

VX0630WBL02

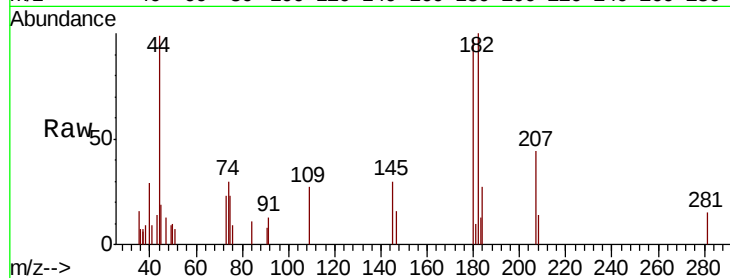
Tot Ion:180 Resp: 1054

Ion Ratio Lower Upper

180 100

182 85.4 47.1 141.4

145 34.5 16.6 49.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

