

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051520\
 Data File : VX016290.D
 Acq On : 15 May 2020 18:50
 Operator : JC/SP
 Sample : L2668-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: May 16 06:46:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	258523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	426408	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	424012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	215961	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	157250	46.22	ug/l	0.00
Spiked Amount			Recovery	=	92.44%	
35) Dibromofluoromethane	5.47	113	126727	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	
50) Toluene-d8	8.70	98	526318	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	11.12	95	216072	54.58	ug/l	0.00
Spiked Amount			Recovery	=	109.16%	

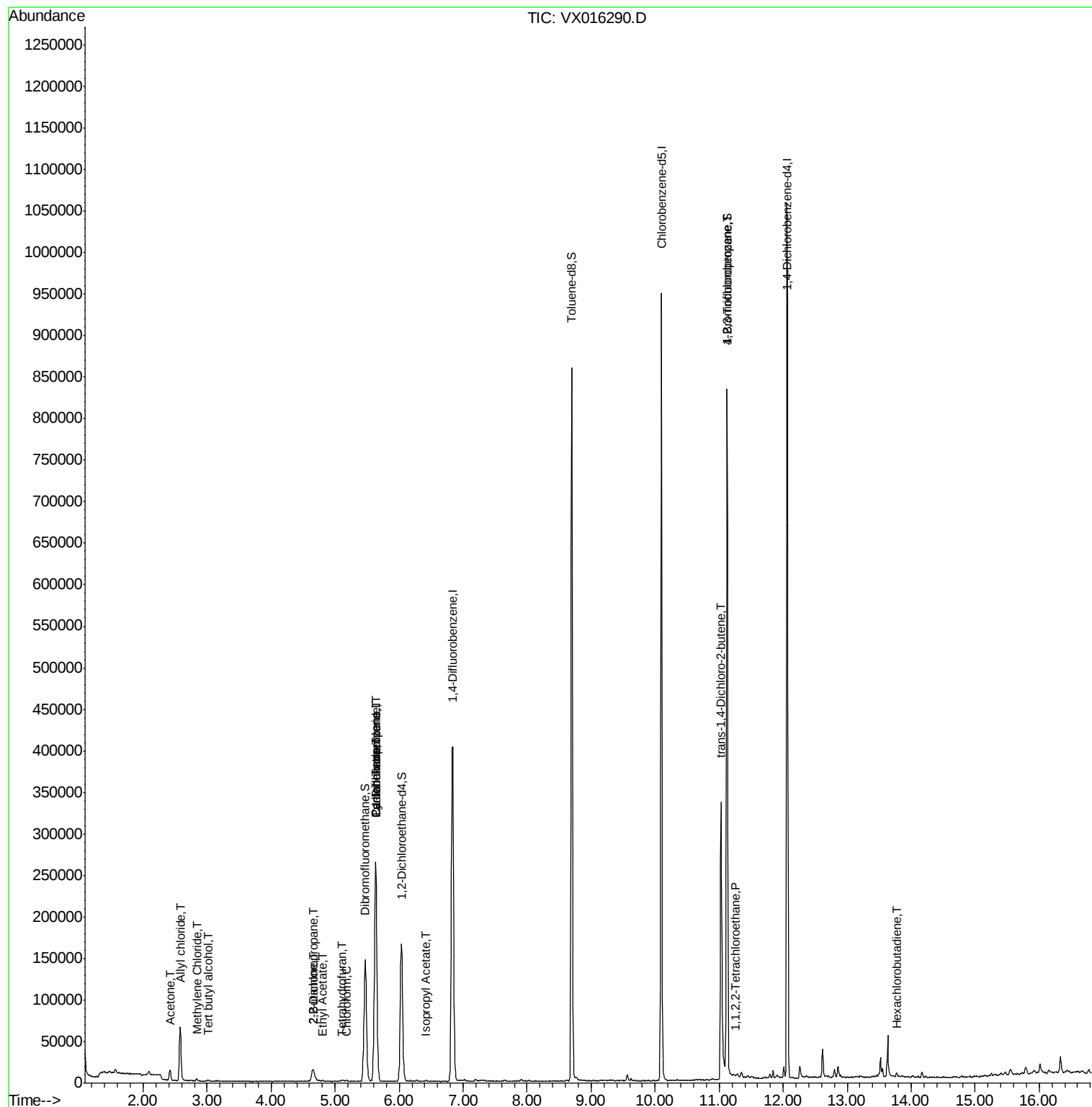
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	1422	1.653	ug/l #	16
14) Allyl chloride	2.58	41	6331	1.285	ug/l #	69
16) Acetone	2.42	43	13477	8.879	ug/l	95
17) Carbon Disulfide	2.55	76	1009	Below Cal	#	82
20) Methylene Chloride	2.84	84	1124	0.359	ug/l #	87
25) 2-Butanone	4.65	43	2729	1.116	ug/l #	66
26) 2,2-Dichloropropane	4.65	77	1445	0.304	ug/l #	53
29) Tetrahydrofuran	5.12	42	479	0.296	ug/l #	46
30) Chloroform	5.18	83	1377	0.266	ug/l #	72
31) Cyclohexane	5.63	56	4892	1.035	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	19412	4.625	ug/l #	48
37) Ethyl Acetate	4.81	43	1601	0.329	ug/l #	82
38) Carbon Tetrachloride	5.63	117	25091	5.881	ug/l #	14
43) Isopropyl Acetate	6.42	43	1598	0.206	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.25	83	50	2.066	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	106571	21.746	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.03	75	16609	8.077	ug/l #	25
94) Hexachlorobutadiene	13.77	225	28	0.536	ug/l #	55

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

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Quant Time: May 16 06:46:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 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: VX016290.D

Acq: 15 May 2020 18:50

Instrument :

MSVOA_X

ClientSampled :

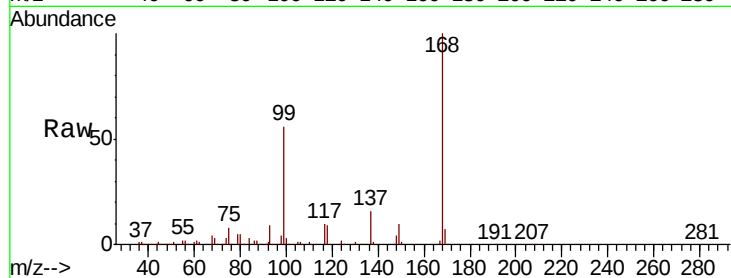
MW-1

Tot Ion:168 Resp: 258523

Ion Ratio Lower Upper

168 100

99 56.3 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

60000

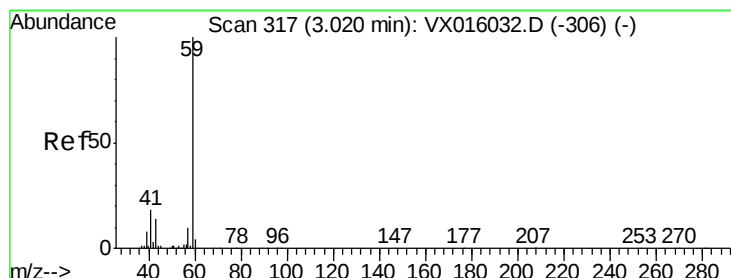
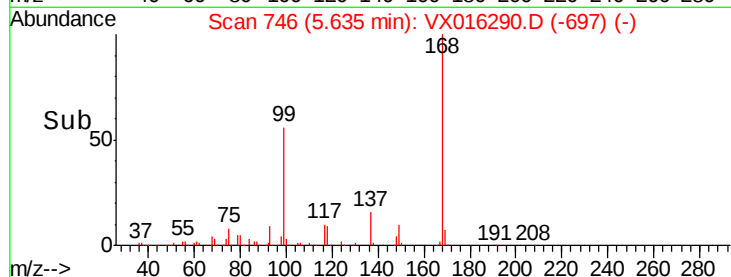
40000

20000

0

Time-->

5.50 5.60 5.70



#11

Tert butyl alcohol

Concen: 1.653 ug/l

RT: 3.02 min Scan# 317

Delta R.T. -0.00 min

Lab File: VX016290.D

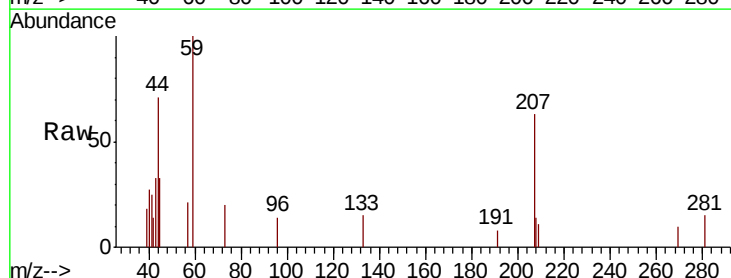
Acq: 15 May 2020 18:50

Tgt Ion: 59 Resp: 1422

Ion Ratio Lower Upper

59 100

57 41.6 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

600

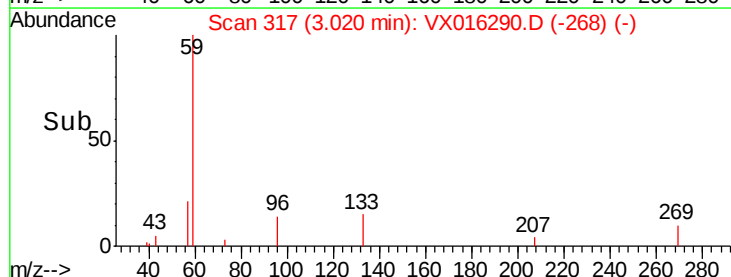
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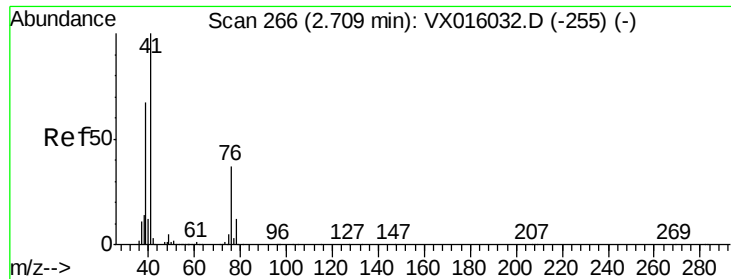
200

0

Time-->

2.95 3.00 3.05

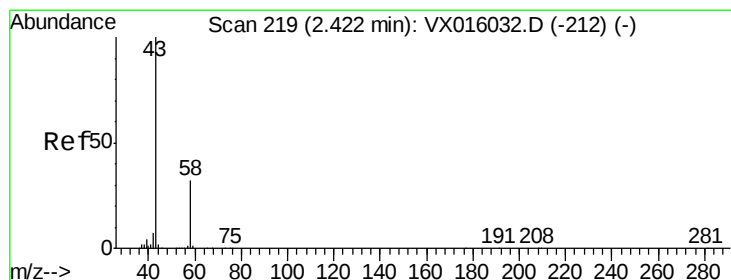
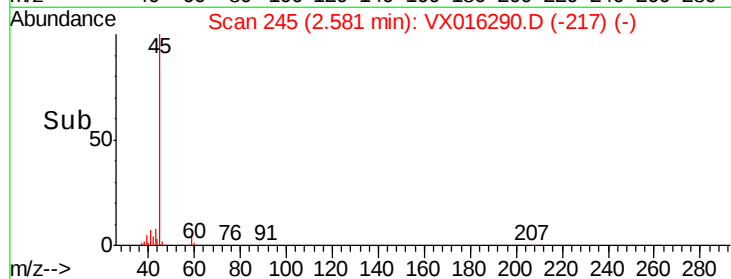
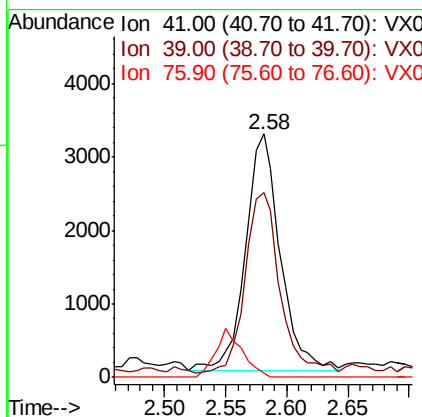
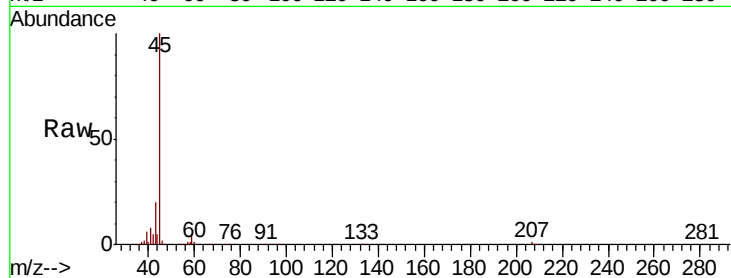




#14
Allvl chloride
Concen: 1.285 ug/l
RT: 2.58 min Scan# 245
Delta R.T. -0.13 min
Lab File: VX016290.D
Acq: 15 May 2020 18:50

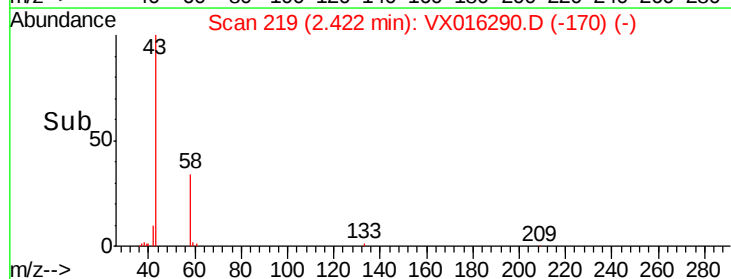
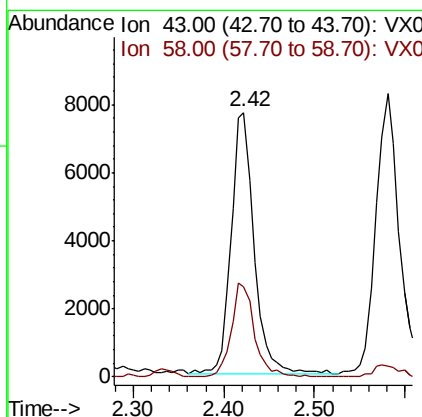
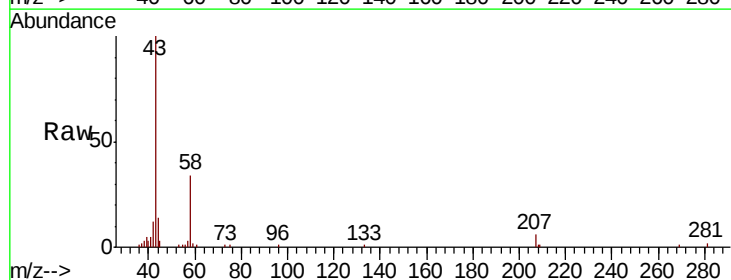
Instrument :
MSVOA_X
ClientSampleId :
MW-1

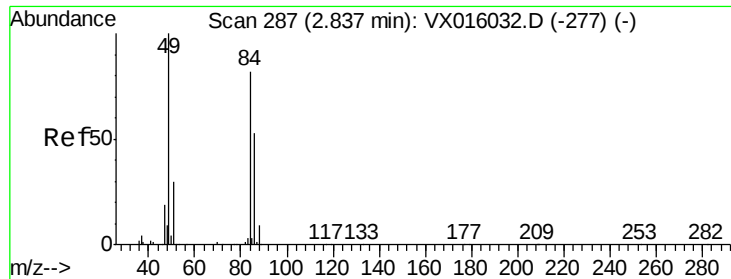
Tot Ion: 41 Resp: 6331
Ion Ratio Lower Upper
41 100
39 76.3 50.5 75.7#
76 0.0 26.6 40.0#



#16
Acetone
Concen: 8.879 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX016290.D
Acq: 15 May 2020 18:50

Tgt Ion: 43 Resp: 13477
Ion Ratio Lower Upper
43 100
58 34.6 25.4 38.0

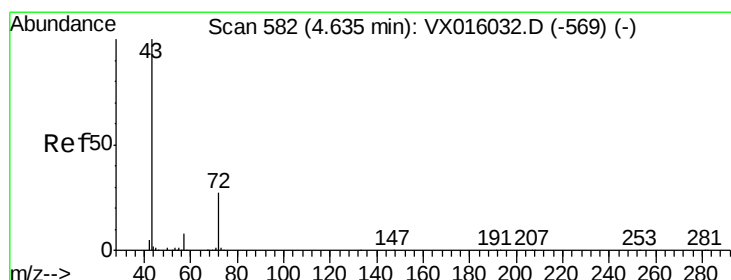
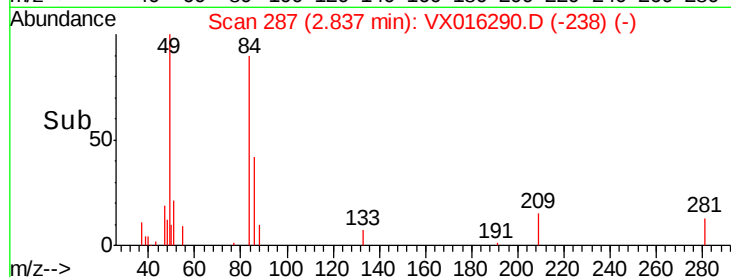
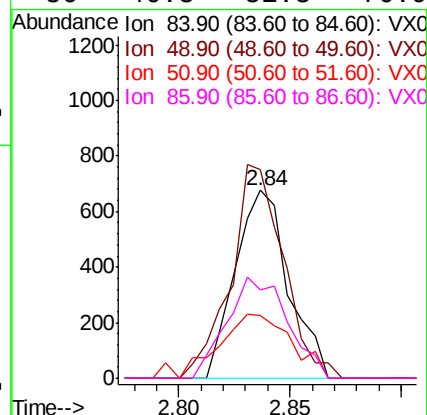
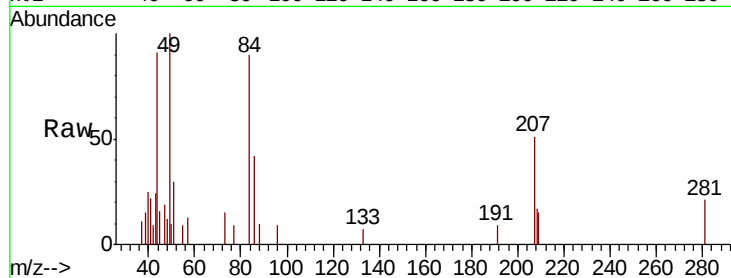




#20
Methvlene Chloride
Concen: 0.359 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016290.D
Acq: 15 May 2020 18:50

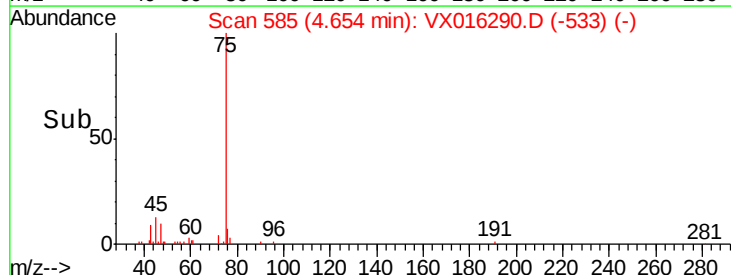
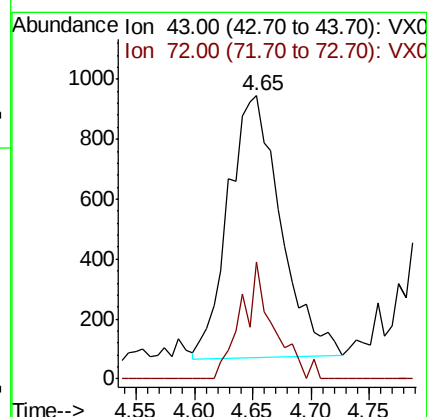
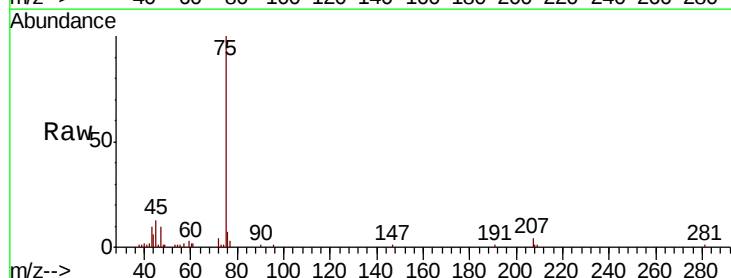
Instrument :
MSVOA_X
ClientSampleId :
MW-1

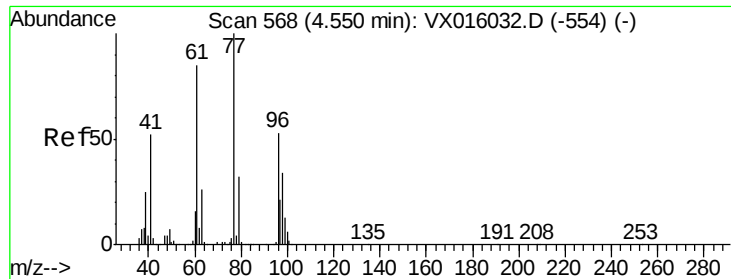
Tot Ion:	84	Resp:	1124
Ion	Ratio	Lower	Upper
84	100		
49	110.8	97.3	145.9
51	33.2	29.3	43.9
86	46.8	51.3	76.9#



#25
2-Butanone
Concen: 1.116 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX016290.D
Acq: 15 May 2020 18:50

Tgt Ion:	43	Resp:	2729
Ion	Ratio	Lower	Upper
43	100		
72	44.9	21.8	32.8#





#26

2,2-Dichloropropane

Concen: 0.304 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.10 min

Lab File: VX016290.D

Acq: 15 May 2020 18:50

Instrument :

MSVOA_X

ClientSampled :

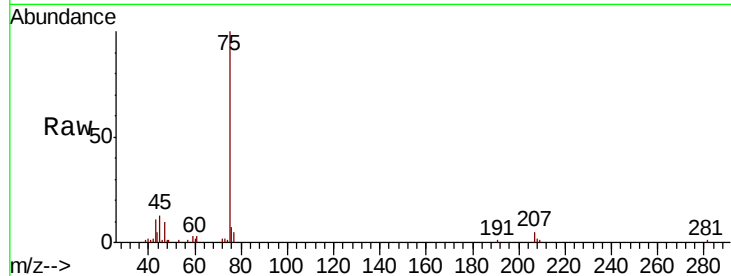
MW-1

Tot Ion: 77 Resp: 1445

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.6#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.65

400

300

200

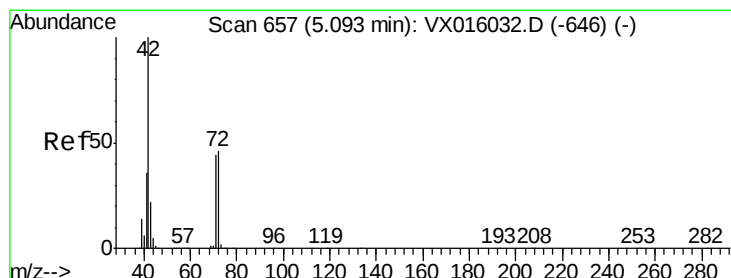
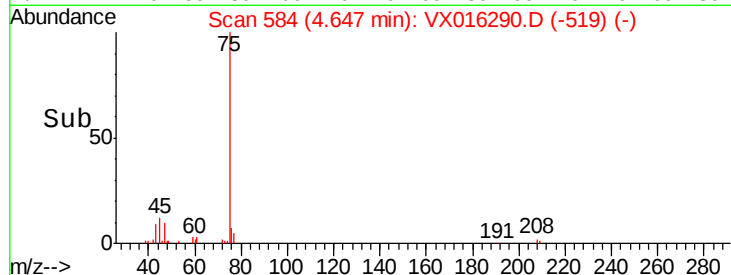
100

0

4.60

4.70

Time-->



#29

Tetrahydrofuran

Concen: 0.296 ug/l

RT: 5.12 min Scan# 661

Delta R.T. 0.02 min

Lab File: VX016290.D

Acq: 15 May 2020 18:50

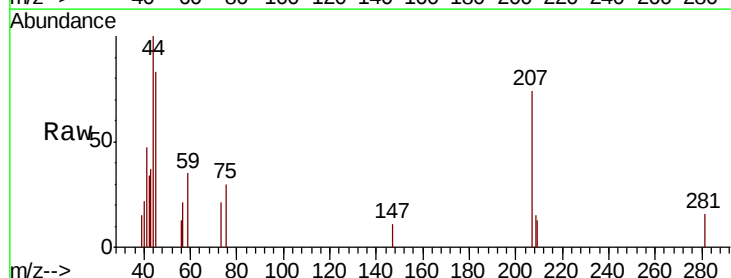
Tgt Ion: 42 Resp: 479

Ion Ratio Lower Upper

42 100

72 9.0 37.1 55.7#

71 9.6 34.5 51.7#



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

250

200

150

100

50

0

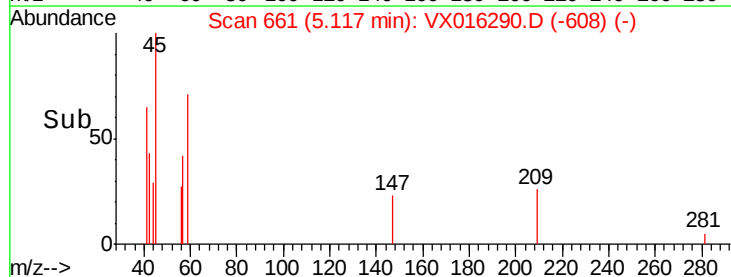
5.05

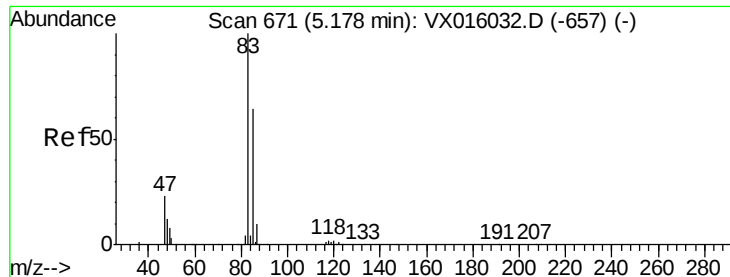
5.10

5.12

5.15

Time-->

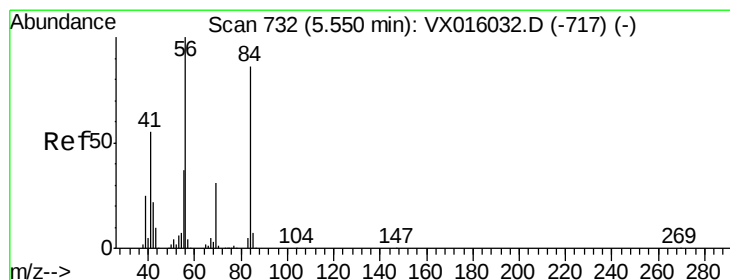
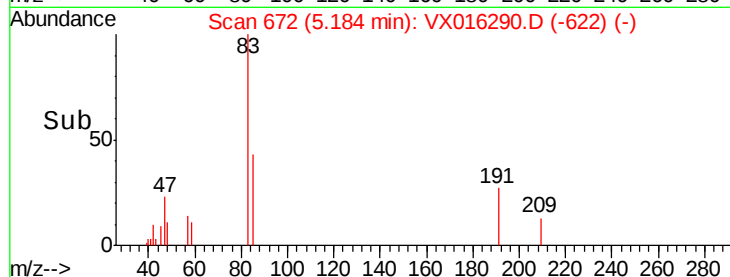
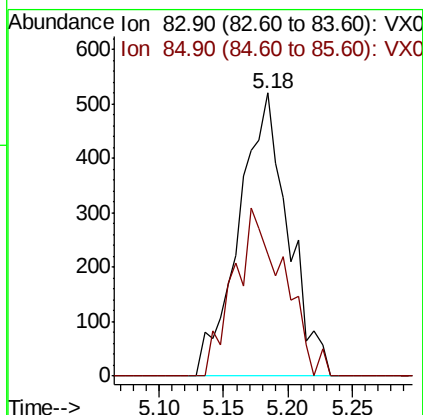
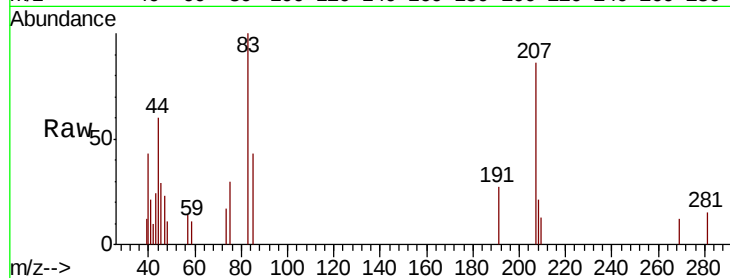




#30
Chloroform
Concen: 0.266 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX016290.D
Acq: 15 May 2020 18:50

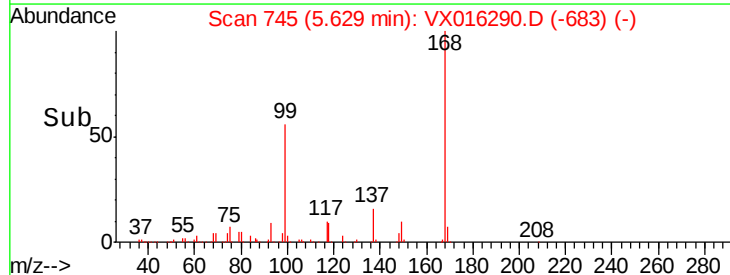
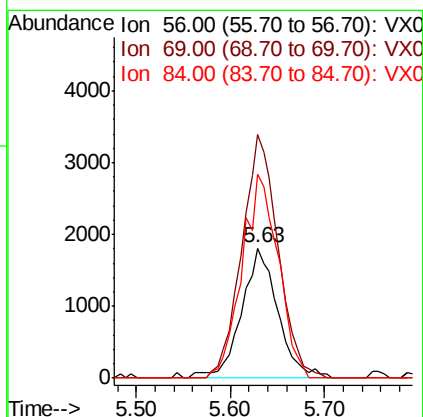
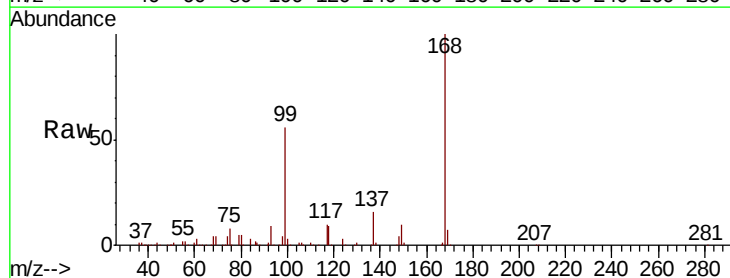
Instrument :
MSVOA_X
ClientSampleId :
MW-1

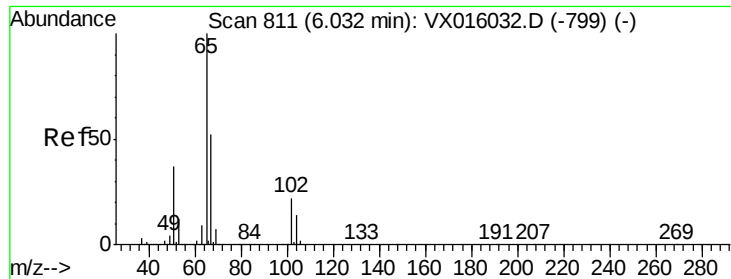
Tot Ion: 83 Resp: 1377
Ion Ratio Lower Upper
83 100
85 42.9 51.6 77.4#



#31
Cyclohexane
Concen: 1.035 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016290.D
Acq: 15 May 2020 18:50

Tgt Ion: 56 Resp: 4892
Ion Ratio Lower Upper
56 100
69 187.3 25.0 37.6#
84 156.9 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 46.224 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016290.D

Acq: 15 May 2020 18:50

Instrument :

MSVOA_X

ClientSampleId :

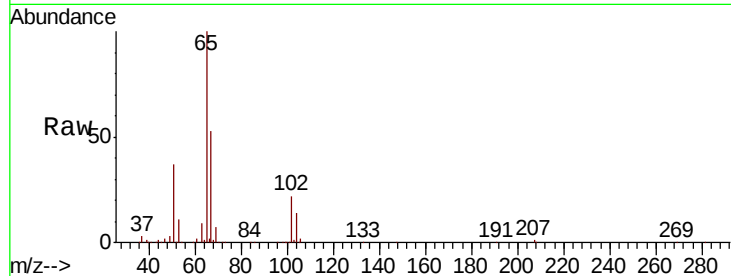
MW-1

Tot Ion: 65 Resp: 157250

Ion Ratio Lower Upper

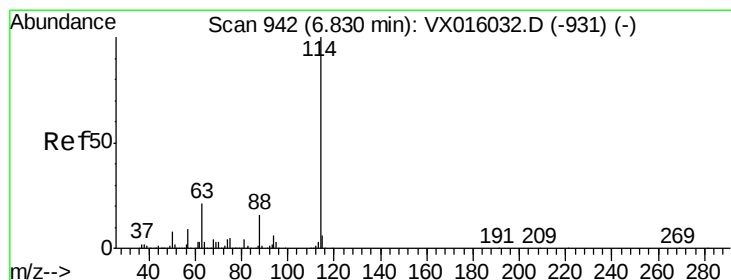
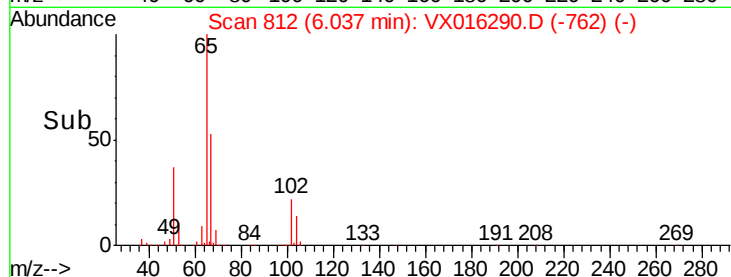
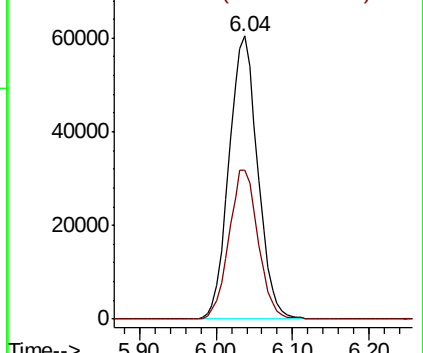
65 100

67 53.5 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016290.D

Acq: 15 May 2020 18:50

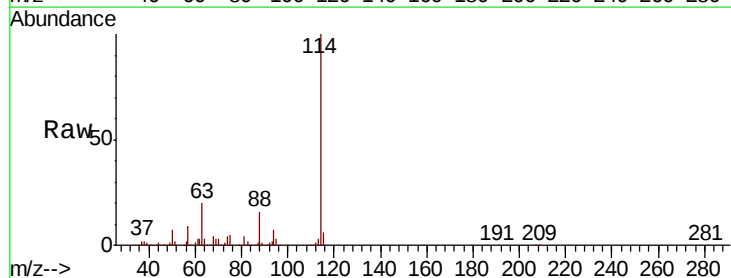
Tgt Ion: 114 Resp: 426408

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.8

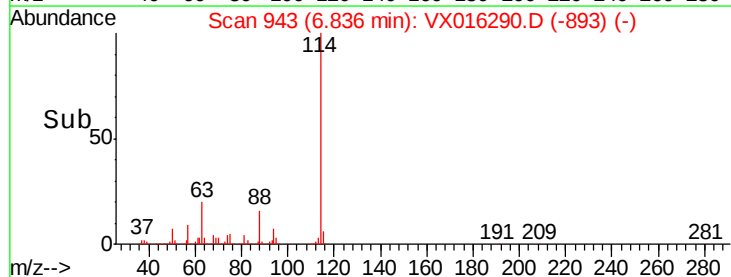
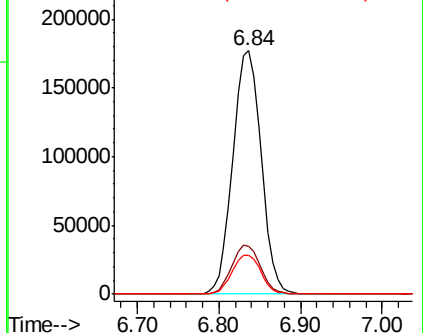
88 16.1 0.0 31.4

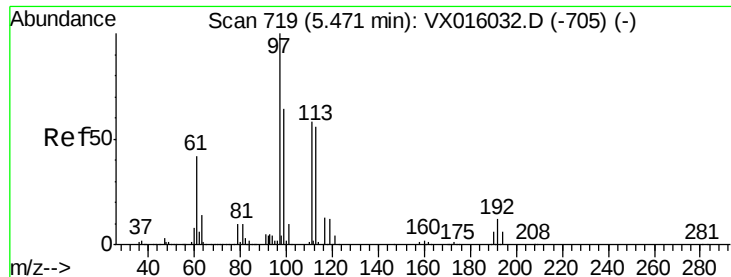


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

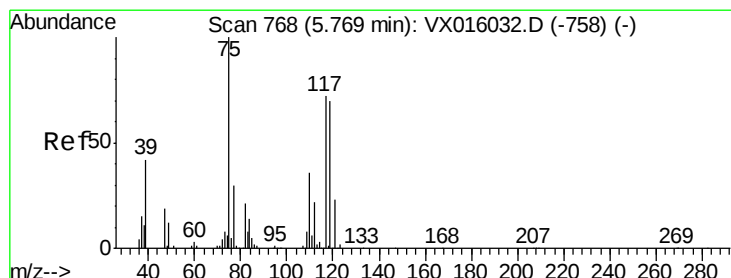
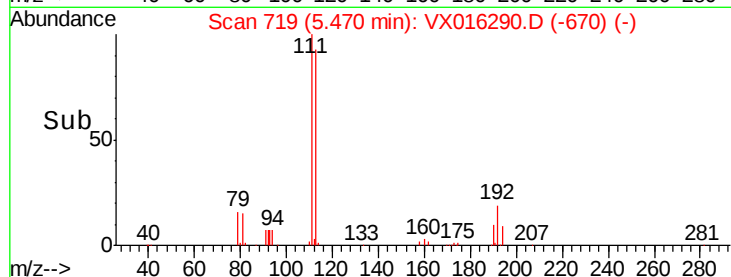
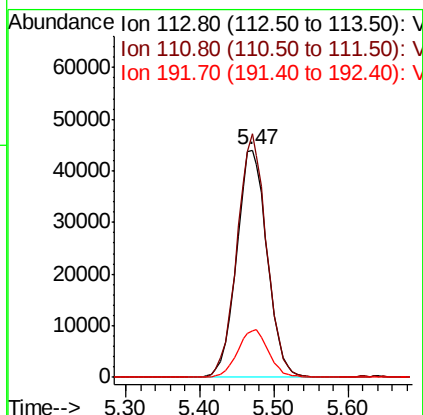
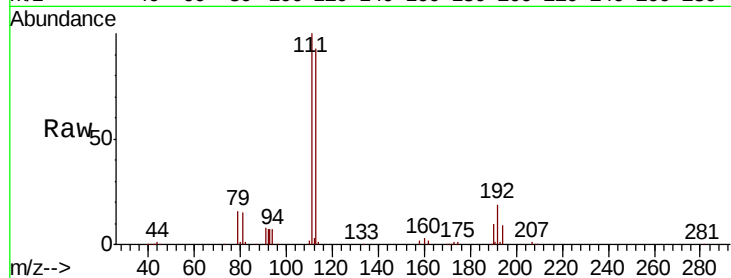




#35
Dibromofluoromethane
Concen: 46.910 ug/l
RT: 5.47 min Scan# 719
Delta R.T. -0.00 min
Lab File: VX016290.D
Acq: 15 May 2020 18:50

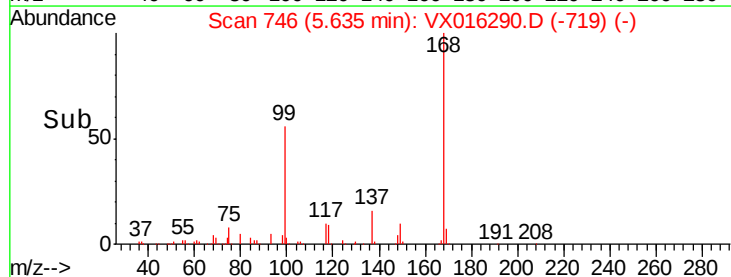
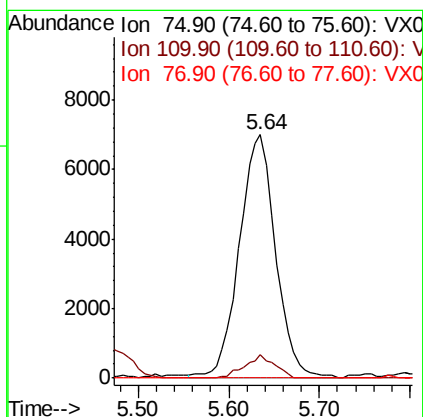
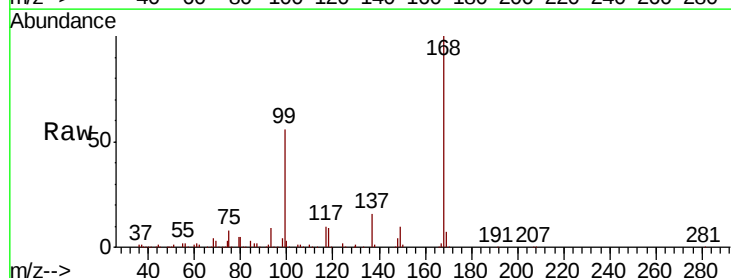
Instrument :
MSVOA_X
ClientSampleId :
MW-1

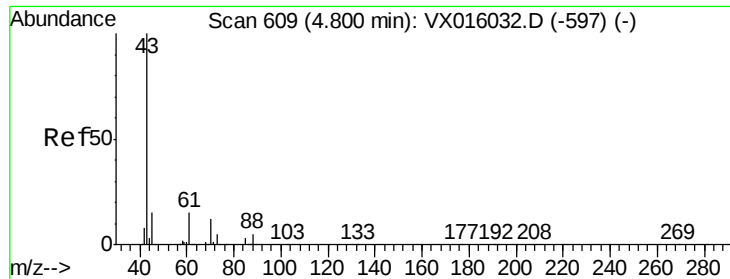
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.6	122.4
192	21.1	17.0	25.4



#36
1,1-Dichloropropene
Concen: 4.625 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.13 min
Lab File: VX016290.D
Acq: 15 May 2020 18:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	18.1	54.1#
77	0.0	25.0	37.6#

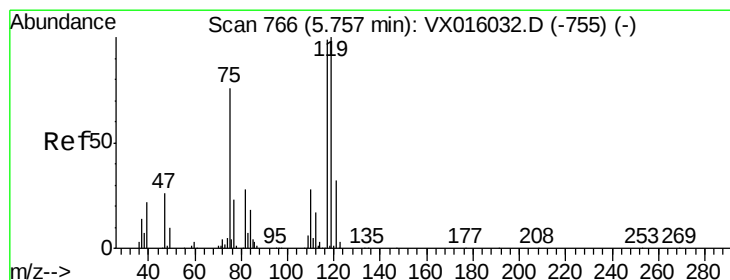
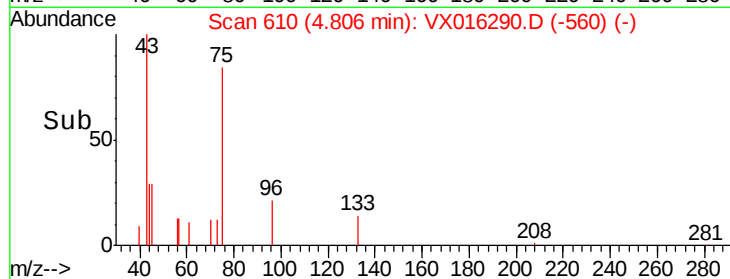
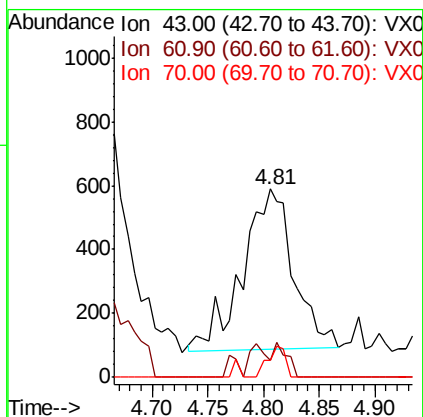
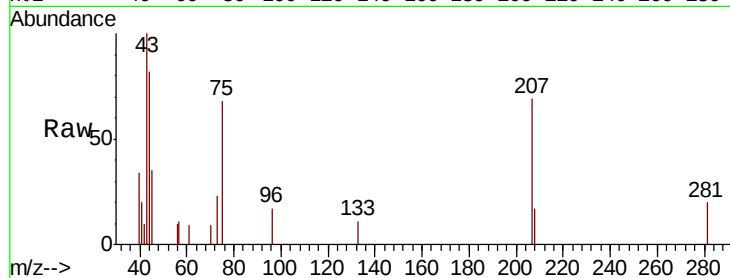




#37
Ethyl Acetate
Concen: 0.329 ug/l
RT: 4.81 min Scan# 610
Delta R.T. 0.01 min
Lab File: VX016290.D
Acq: 15 May 2020 18:50

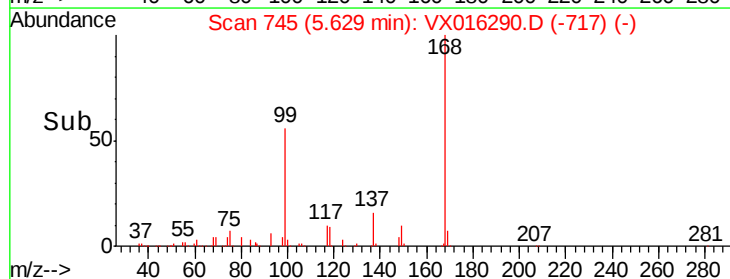
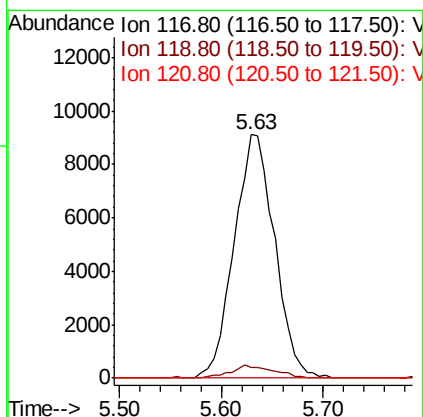
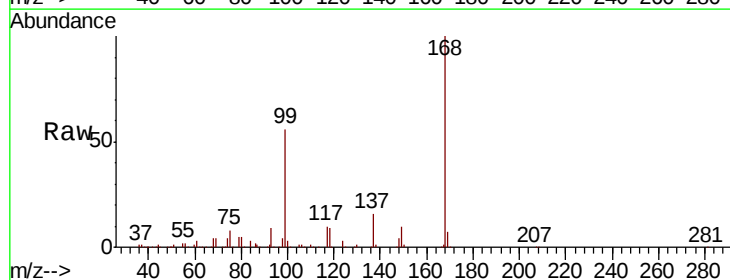
Instrument :
MSVOA_X
ClientSampleId :
MW-1

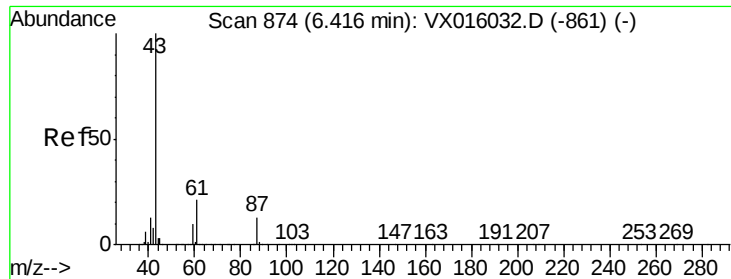
Tot Ion: 43 Resp: 1601
Ion Ratio Lower Upper
43 100
61 5.7 11.7 17.5#
70 6.7 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 5.881 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016290.D
Acq: 15 May 2020 18:50

Tgt Ion: 117 Resp: 25091
Ion Ratio Lower Upper
117 100
119 4.5 80.3 120.5#
121 0.0 25.7 38.5#





#43

Isopropyl Acetate

Concen: 0.206 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX016290.D

Acq: 15 May 2020 18:50

Instrument :

MSVOA_X

ClientSampleId :

MW-1

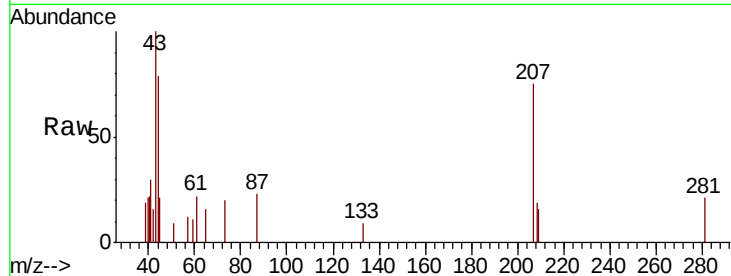
Tot Ion: 43 Resp: 1598

Ion Ratio Lower Upper

43 100

61 20.0 17.0 25.4

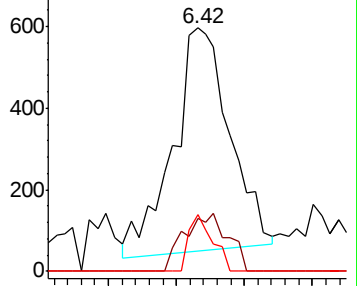
87 10.8 11.0 16.6#



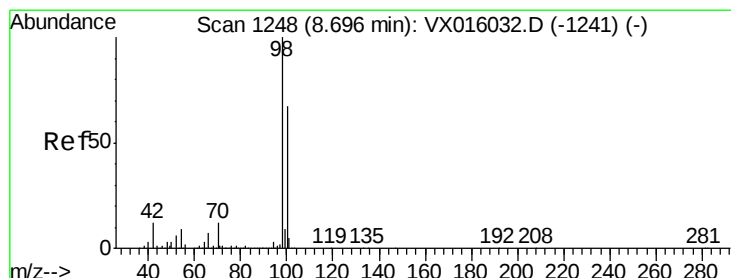
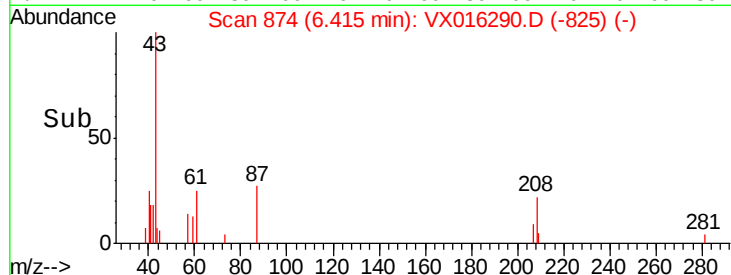
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->



#50

Toluene-d8

Concen: 50.564 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016290.D

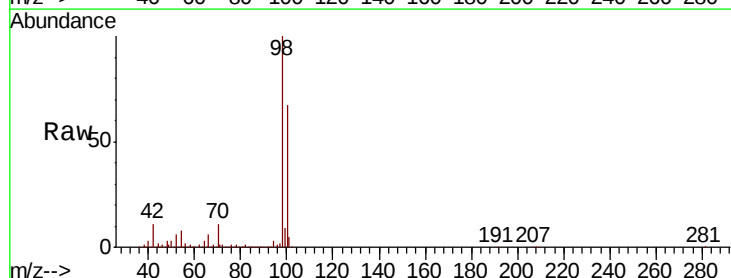
Acq: 15 May 2020 18:50

Tgt Ion: 98 Resp: 526318

Ion Ratio Lower Upper

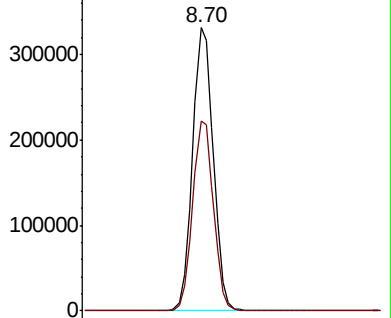
98 100

100 67.2 53.7 80.5

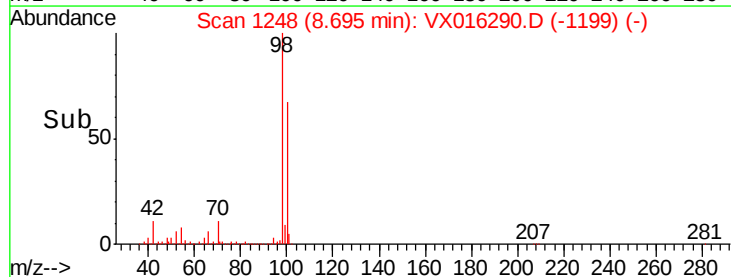


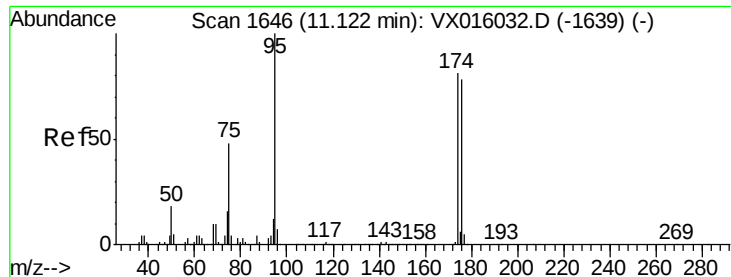
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->





#62

4-Bromofluorobenzene

Concen: 54.576 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016290.D

Acq: 15 May 2020 18:50

Instrument :

MSVOA_X

ClientSampleId :

MW-1

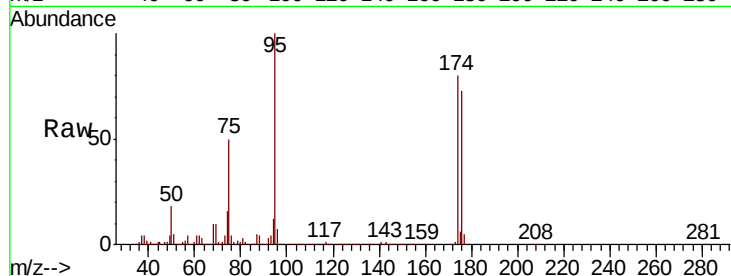
Tot Ion: 95 Resp: 216072

Ion Ratio Lower Upper

95 100

174 80.7 0.0 159.4

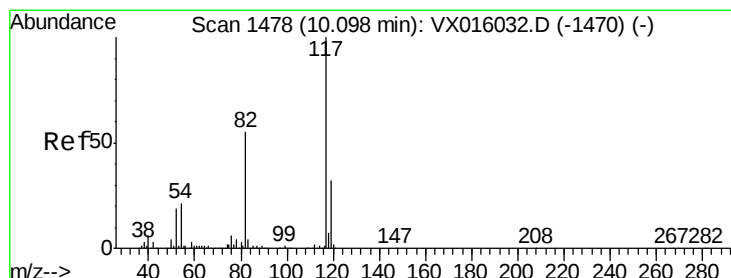
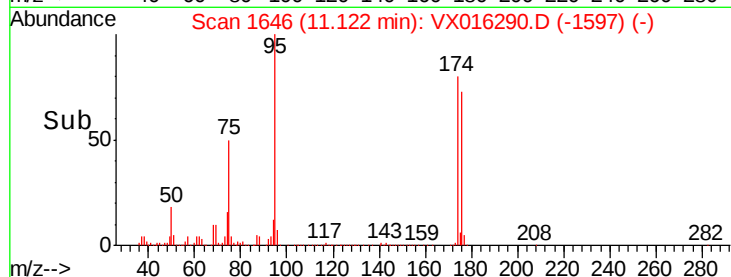
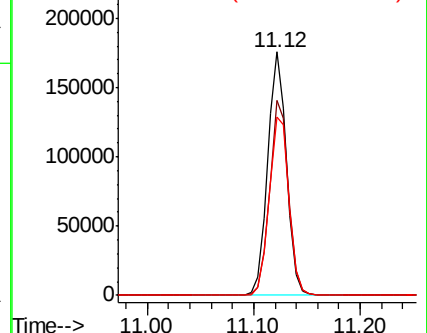
176 77.4 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016290.D

Acq: 15 May 2020 18:50

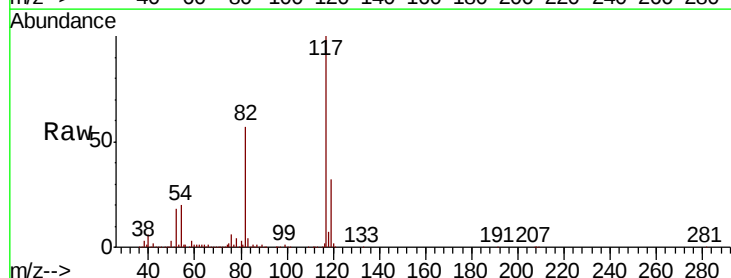
Tgt Ion: 117 Resp: 424012

Ion Ratio Lower Upper

117 100

82 57.4 44.4 66.6

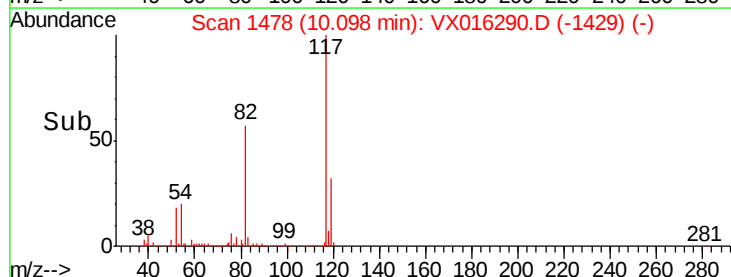
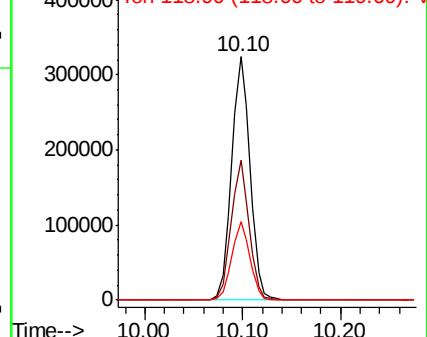
119 32.1 25.5 38.3

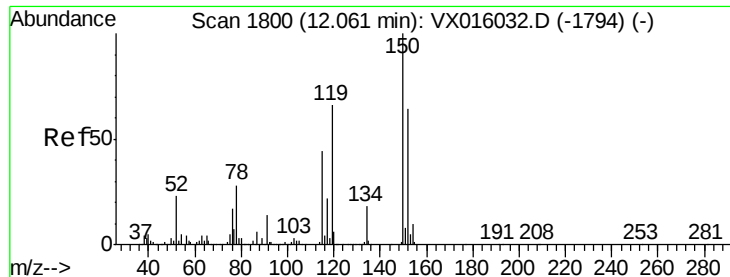


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016290.D

Acq: 15 May 2020 18:50

Instrument :

MSVOA_X

ClientSampled :

MW-1

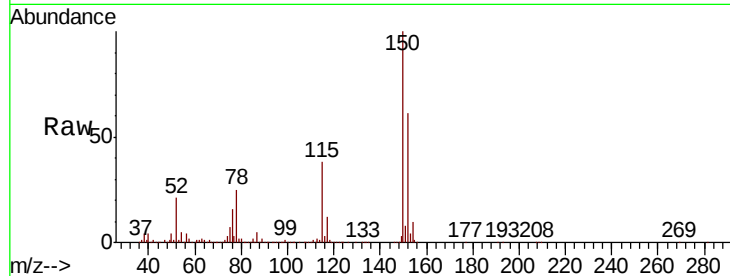
Tot Ion:152 Resp: 215961

Ion Ratio Lower Upper

152 100

115 59.5 41.3 124.1

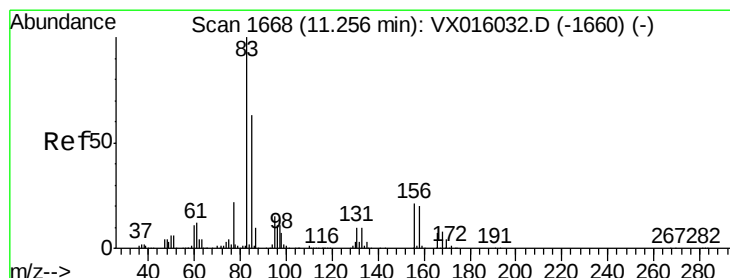
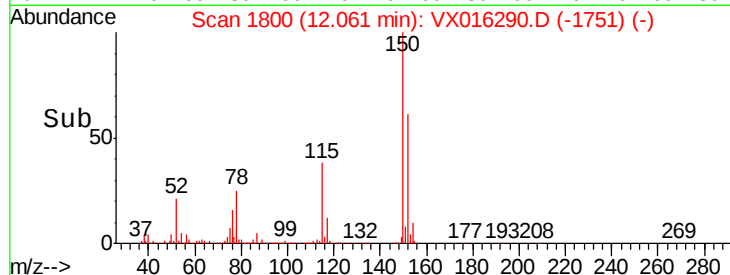
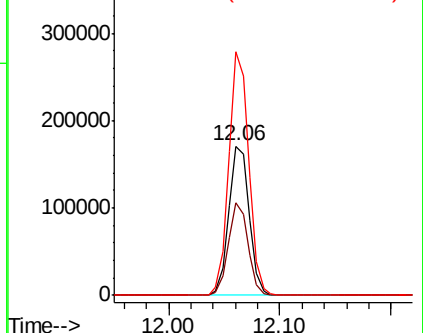
150 158.8 0.0 352.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: 2.066 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016290.D

Acq: 15 May 2020 18:50

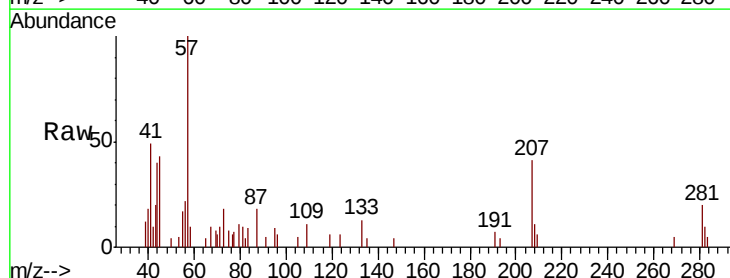
Tgt Ion: 83 Resp: 50

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

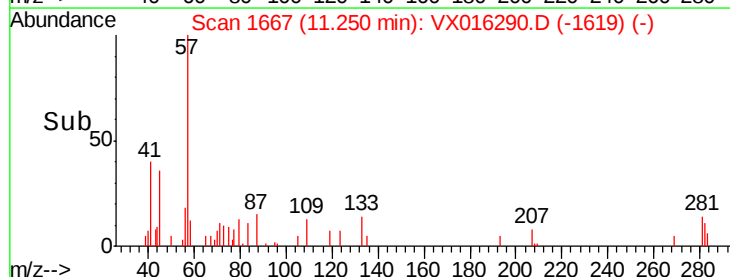
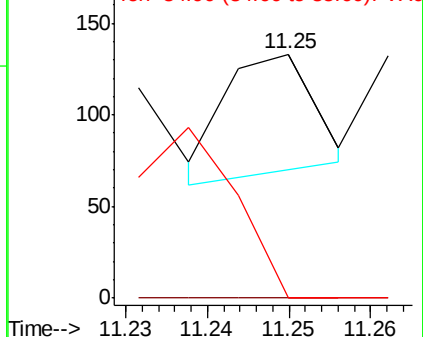
85 0.0 32.0 96.0#

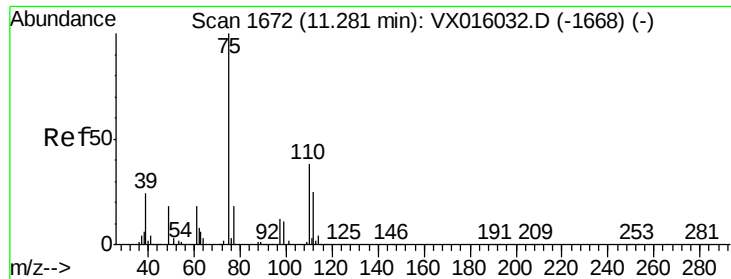


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.746 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016290.D

Acq: 15 May 2020 18:50

Instrument :

MSVOA_X

ClientSampleId :

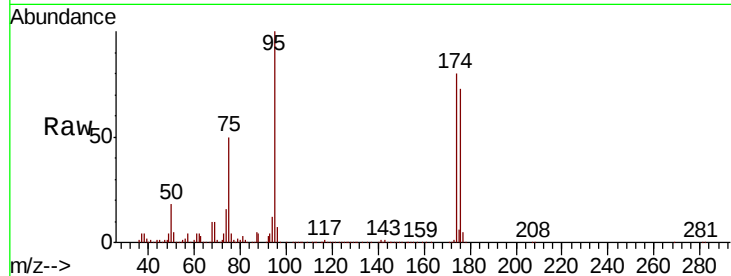
MW-1

Tot Ion: 75 Resp: 106571

Ion Ratio Lower Upper

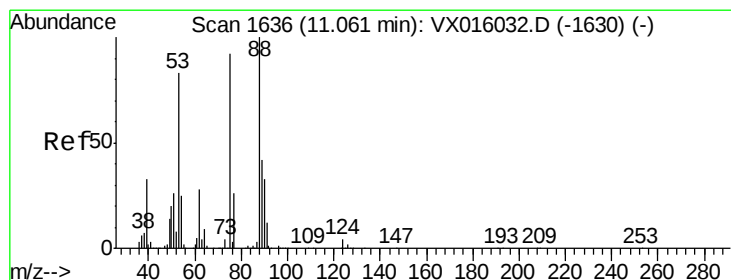
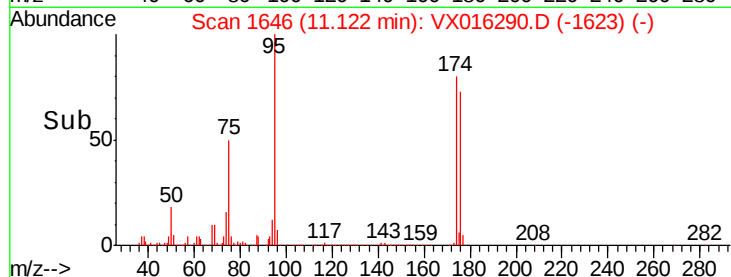
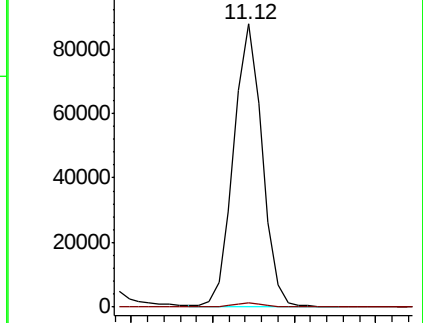
75 100

77 1.4 21.2 63.6#



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: 8.077 ug/l

RT: 11.03 min Scan# 1631

Delta R.T. -0.03 min

Lab File: VX016290.D

Acq: 15 May 2020 18:50

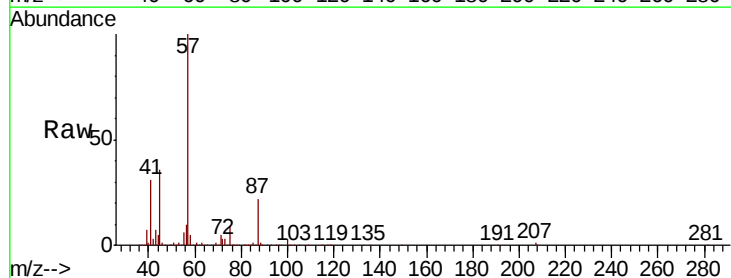
Tgt Ion: 75 Resp: 16609

Ion Ratio Lower Upper

75 100

53 13.0 73.1 109.7#

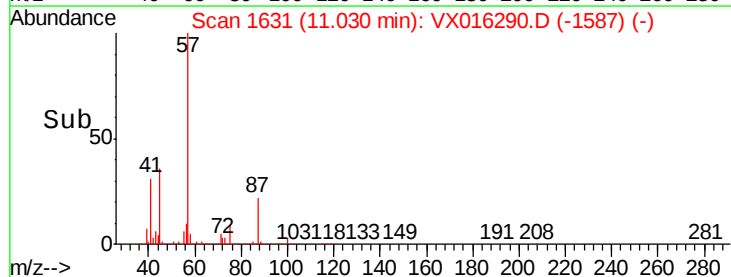
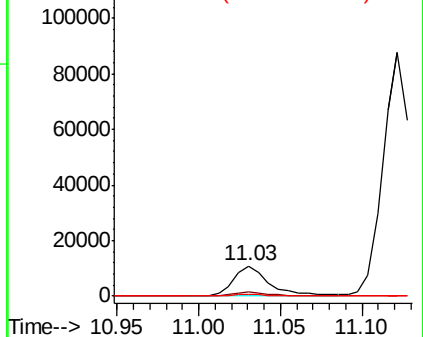
89 5.8 36.7 55.1#

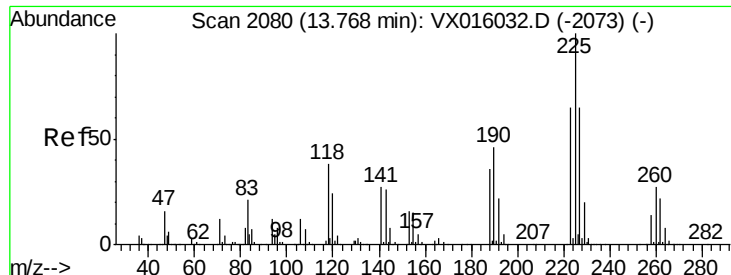


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#94

Hexachlorobutadiene

Concen: 0.536 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016290.D

Acq: 15 May 2020 18:50

Instrument :

MSVOA_X

ClientSampleId :

MW-1

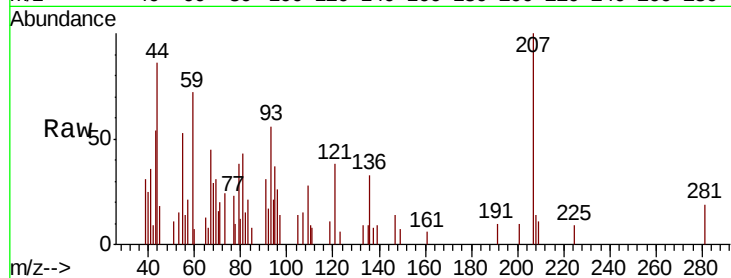
Tot Ion: 225 Resp: 28

Ion Ratio Lower Upper

225 100

223 71.4 32.3 96.9

227 0.0 31.8 95.4



Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

