

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051520\
 Data File : VX016278.D
 Acq On : 15 May 2020 14:17
 Operator : JC/SP
 Sample : L2665-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 06:42:26 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	242599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	403247	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	396908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	199803	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	148522	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	
35) Dibromofluoromethane	5.47	113	117489	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	
50) Toluene-d8	8.70	98	501202	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	11.12	95	197672	52.80	ug/l	0.00
Spiked Amount			Recovery	=	105.60%	

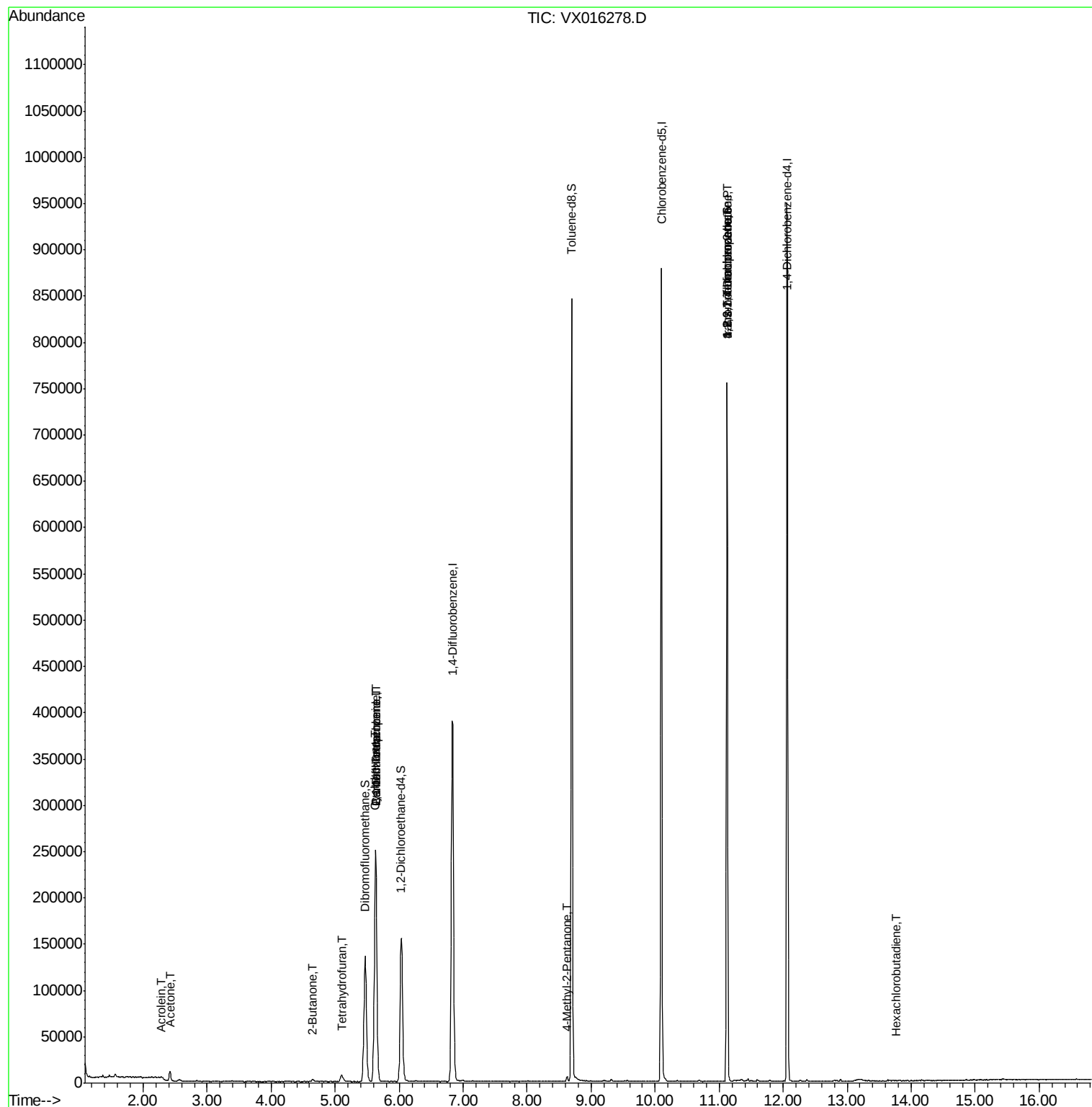
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.27	56	589	1.166	ug/l #	51
16) Acetone	2.42	43	10785	7.572	ug/l	100
17) Carbon Disulfide	2.56	76	1199	Below Cal	#	89
25) 2-Butanone	4.65	43	3348	1.459	ug/l	99
29) Tetrahydrofuran	5.09	42	6848	4.503	ug/l	95
31) Cyclohexane	5.62	56	4772	1.076	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	17762	4.475	ug/l #	49
38) Carbon Tetrachloride	5.63	117	23536	5.834	ug/l #	14
51) 4-Methyl-2-Pentanone	8.62	43	2983	0.664	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.12	83	130	2.097	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	97404	21.483	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	97404	51.196	ug/l #	13
94) Hexachlorobutadiene	13.77	225	29	0.537	ug/l #	41

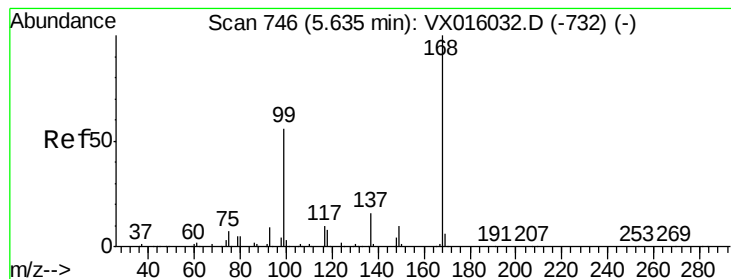
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX016278.D

Acq: 15 May 2020 14:17

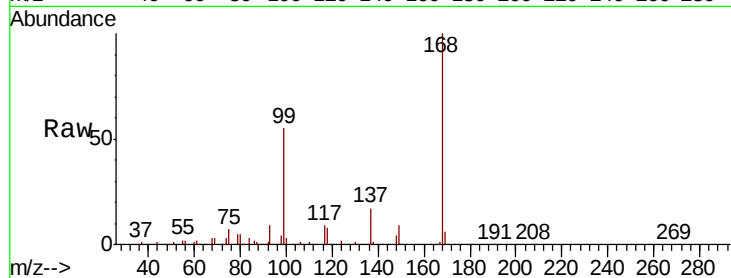
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 242599

Ion Ratio Lower Upper

168 100

99 54.6 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

80000

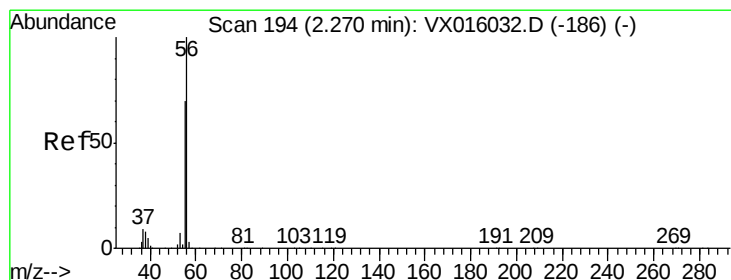
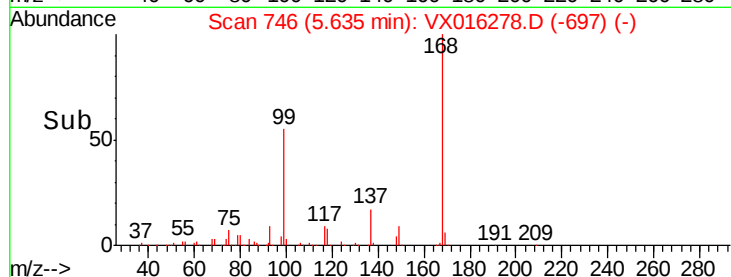
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 1.166 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016278.D

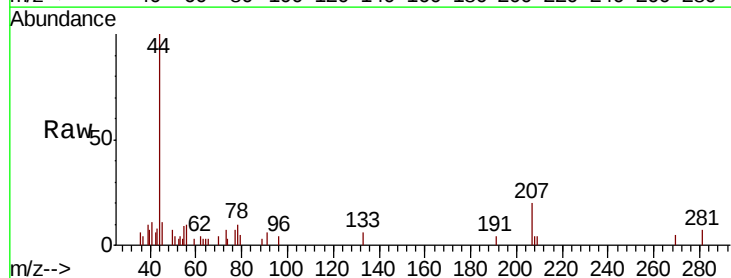
Acq: 15 May 2020 14:17

Tgt Ion: 56 Resp: 589

Ion Ratio Lower Upper

56 100

55 29.9 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.27

200

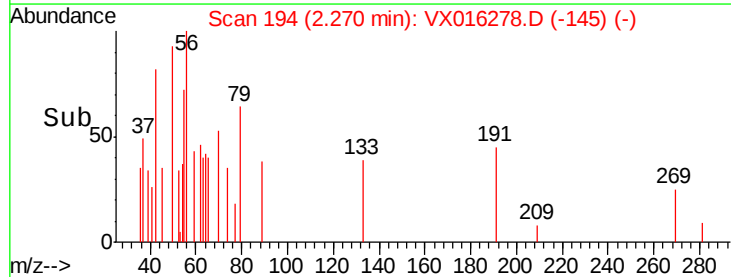
150

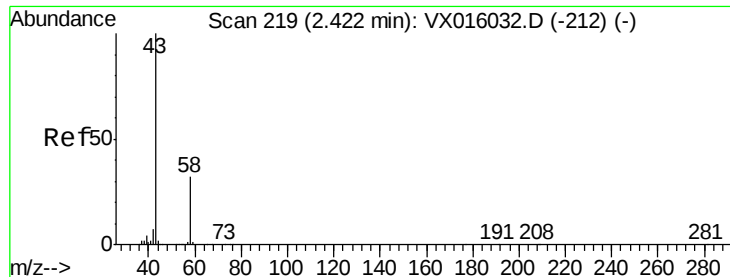
100

50

0

Time-->





#16

Acetone

Concen: 7.572 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016278.D

Acq: 15 May 2020 14:17

Instrument :

MSVOA_X

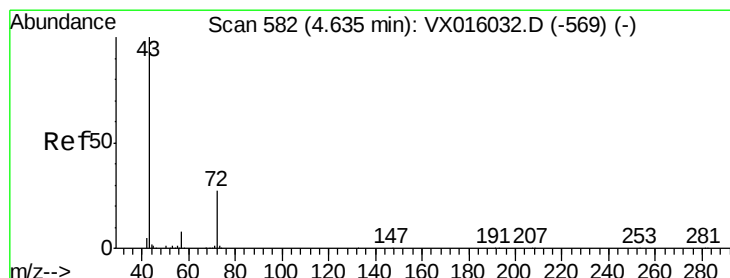
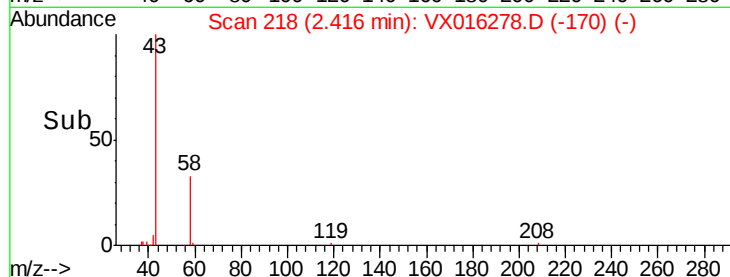
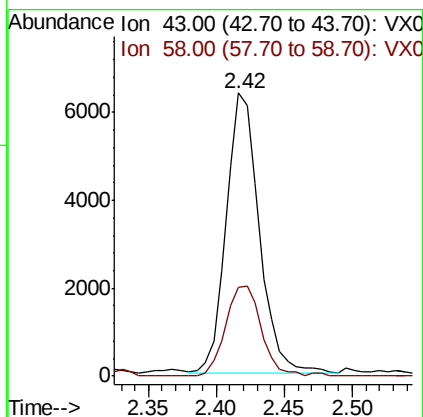
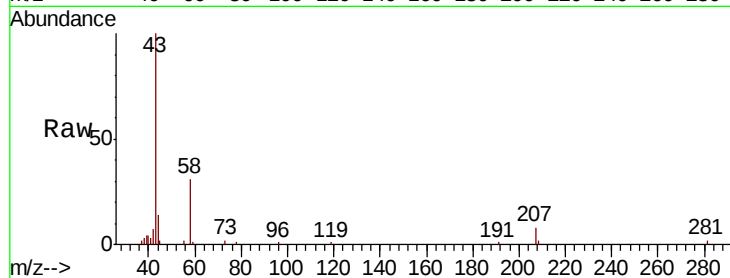
ClientSampleId :

Tot Ion: 43 Resp: 10785

Ion Ratio Lower Upper

43 100

58 31.7 25.4 38.0



#25

2-Butanone

Concen: 1.459 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016278.D

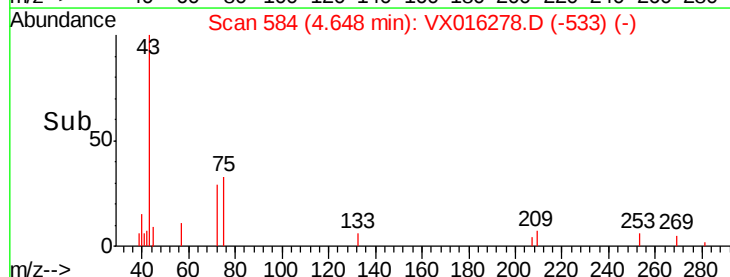
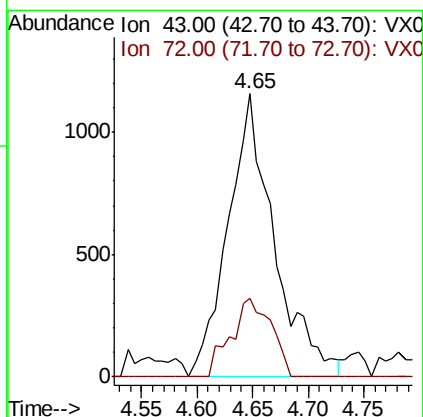
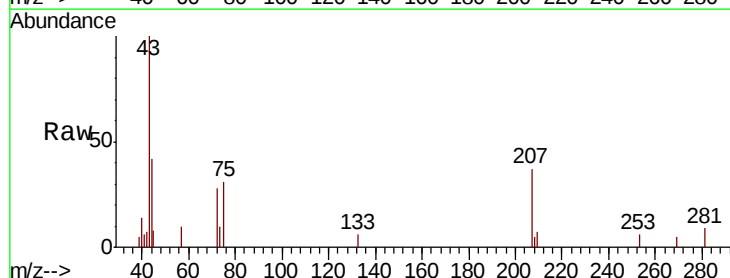
Acq: 15 May 2020 14:17

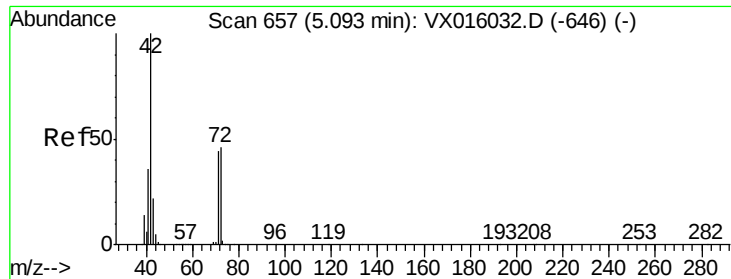
Tgt Ion: 43 Resp: 3348

Ion Ratio Lower Upper

43 100

72 27.7 21.8 32.8

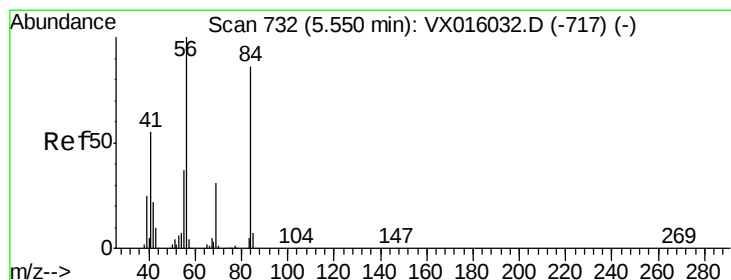
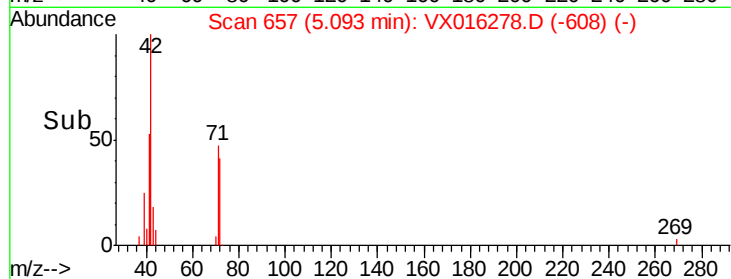
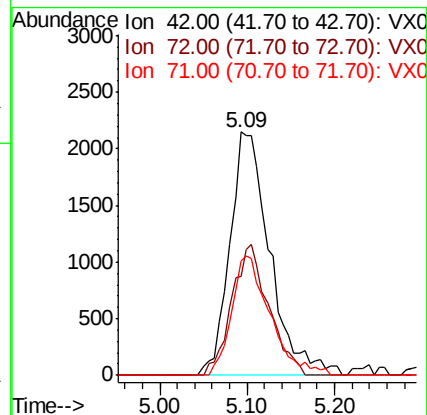
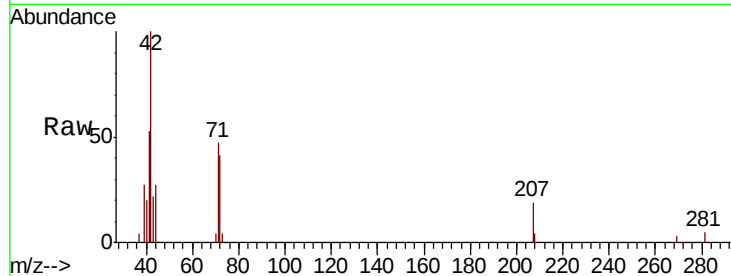




#29
Tetrahydrofuran
Concen: 4.503 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016278.D
Acq: 15 May 2020 14:17

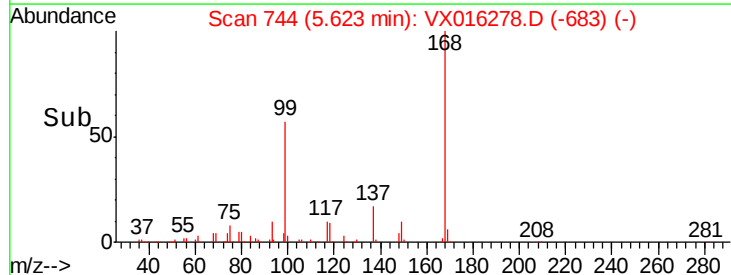
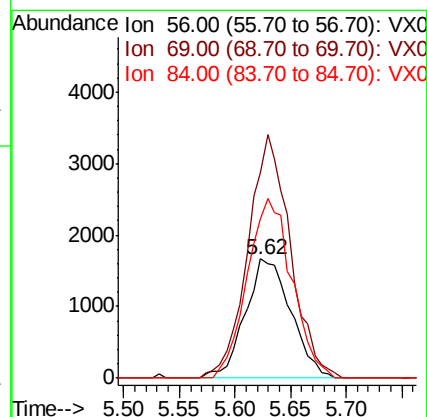
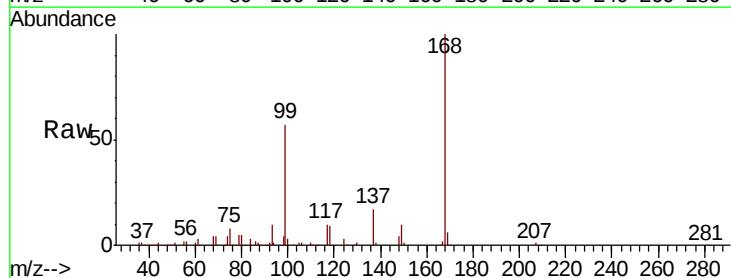
Instrument :
MSVOA_X
ClientSampleId :

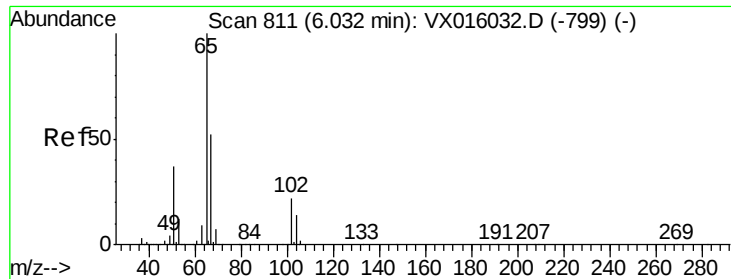
Tot Ion: 42 Resp: 6848
Ion Ratio Lower Upper
42 100
72 49.6 37.1 55.7
71 47.0 34.5 51.7



#31
Cyclohexane
Concen: 1.076 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX016278.D
Acq: 15 May 2020 14:17

Tgt Ion: 56 Resp: 4772
Ion Ratio Lower Upper
56 100
69 172.9 25.0 37.6#
84 133.7 69.0 103.6#

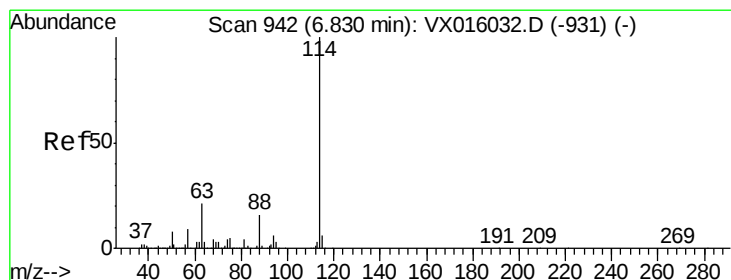
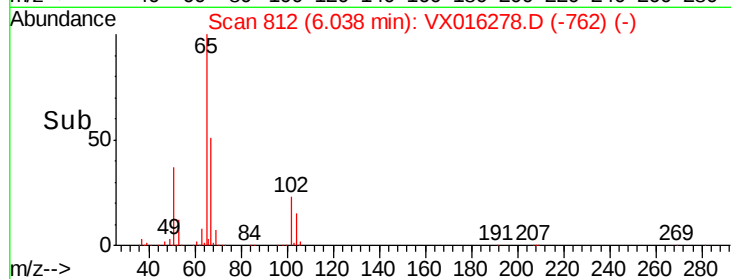
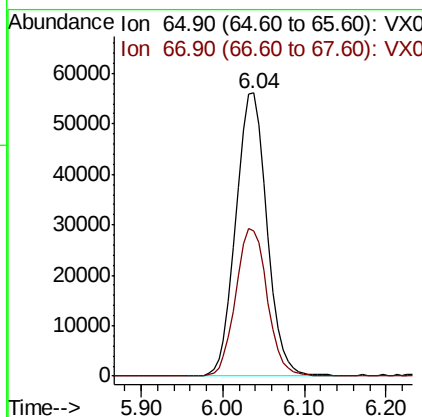
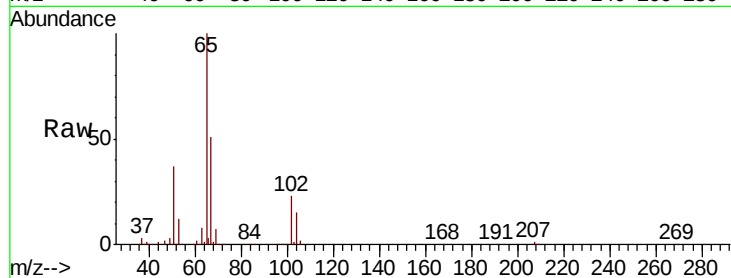




#33
 1,2-Dichloroethane-d4
 Concen: 46.524 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX016278.D
 Acq: 15 May 2020 14:17

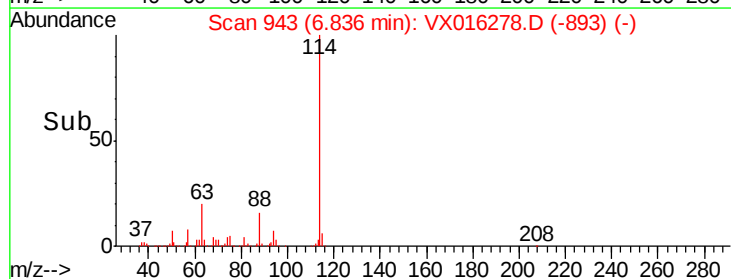
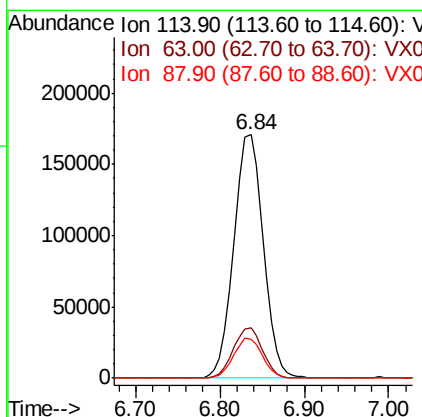
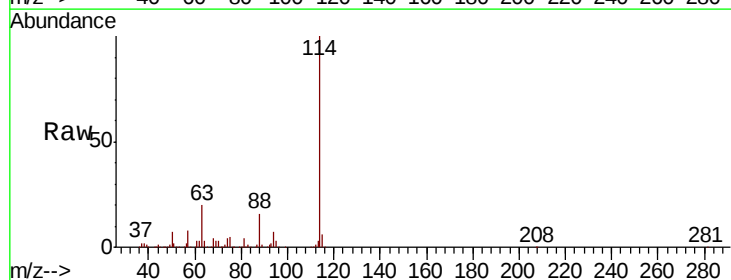
Instrument :
 MSVOA_X
 ClientSampleId :

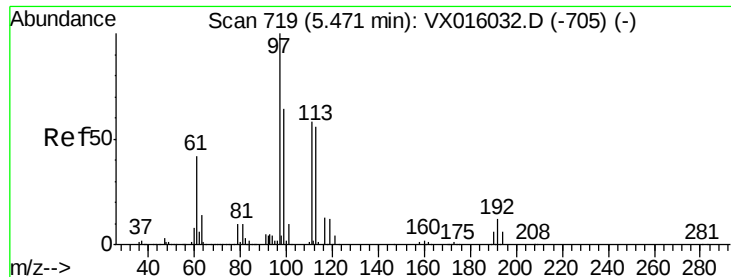
Tot Ion: 65 Resp: 148522
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016278.D
 Acq: 15 May 2020 14:17

Tgt Ion: 114 Resp: 403247
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.8
 88 15.7 0.0 31.4

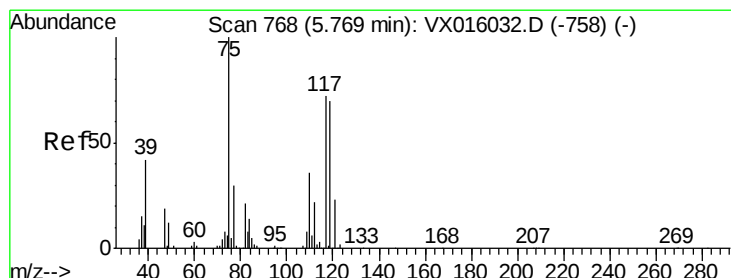
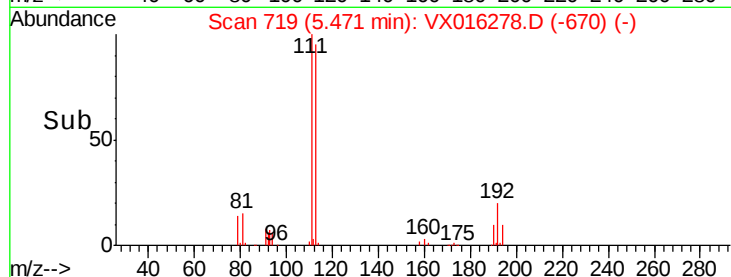
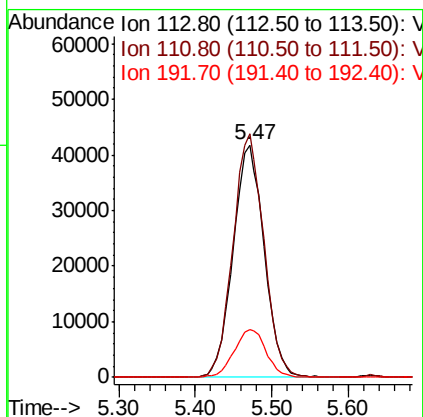
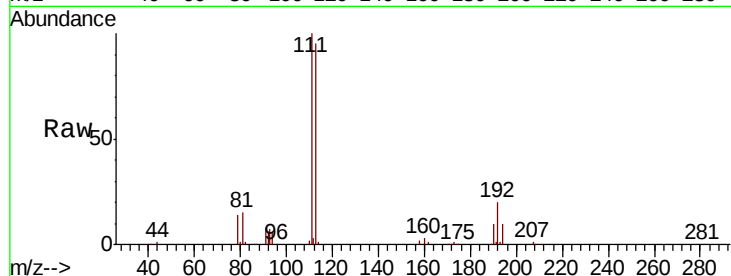




#35
 Dibromofluoromethane
 Concen: 45.989 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016278.D
 Acq: 15 May 2020 14:17

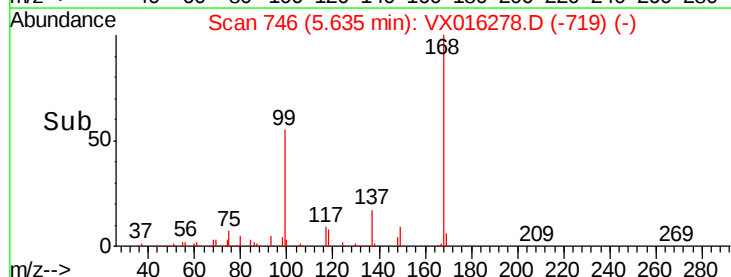
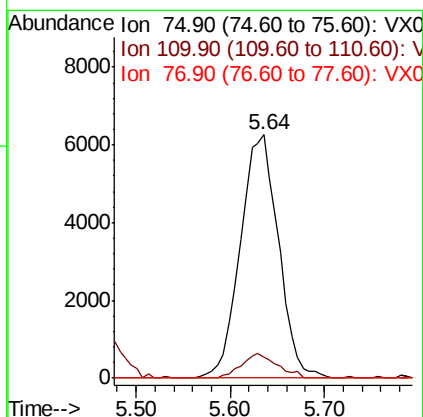
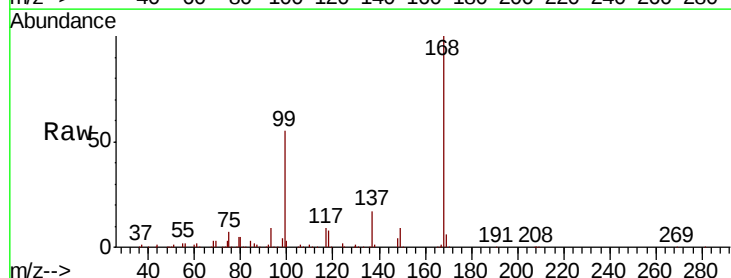
Instrument :
 MSVOA_X
 ClientSampleId :

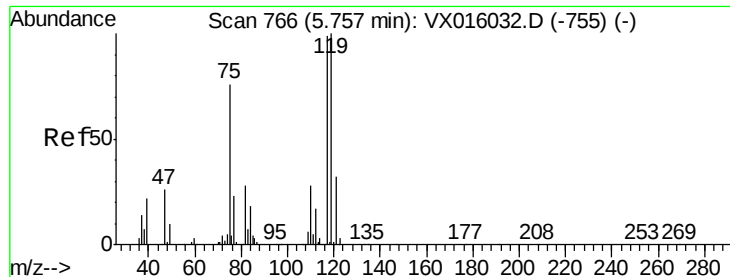
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.6	122.4
192	21.0	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.475 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016278.D
 Acq: 15 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.1	54.1#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.834 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016278.D

Acq: 15 May 2020 14:17

Instrument :

MSVOA_X

ClientSampled :

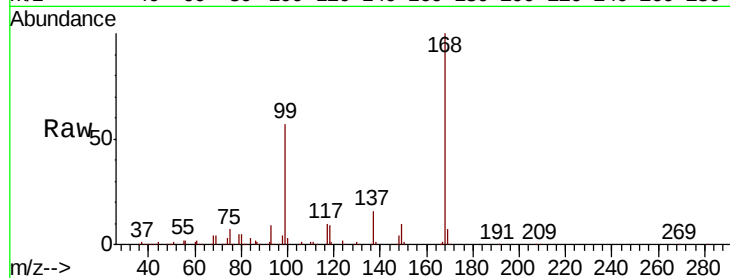
Tot Ion:117 Resp: 23536

Ion Ratio Lower Upper

117 100

119 5.7 80.3 120.5#

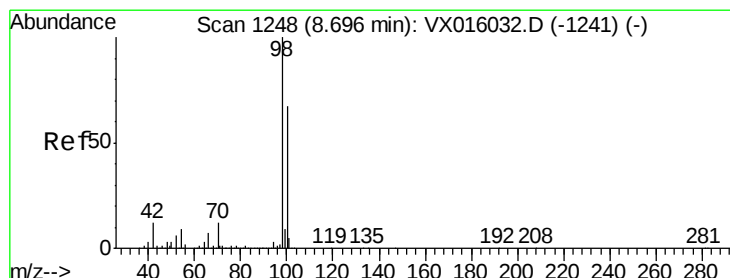
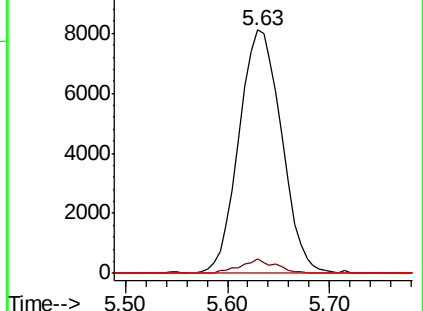
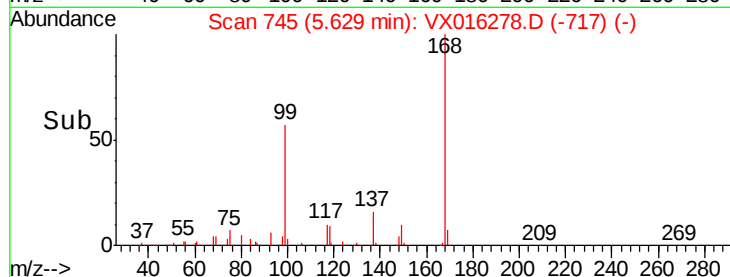
121 0.0 25.7 38.5#



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: 50.917 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016278.D

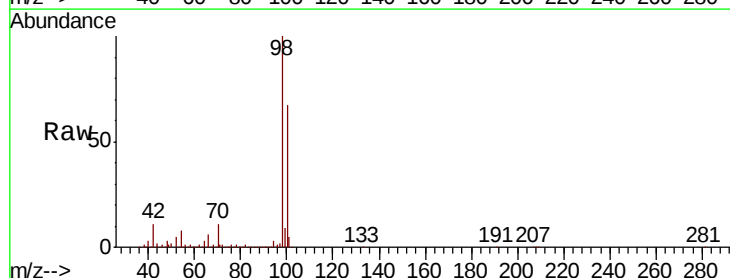
Acq: 15 May 2020 14:17

Tgt Ion: 98 Resp: 501202

Ion Ratio Lower Upper

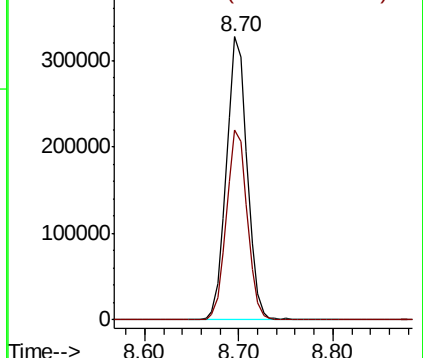
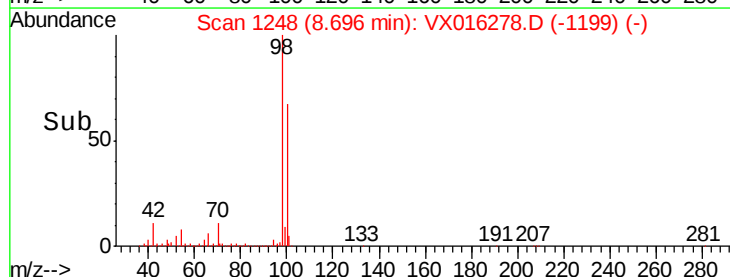
98 100

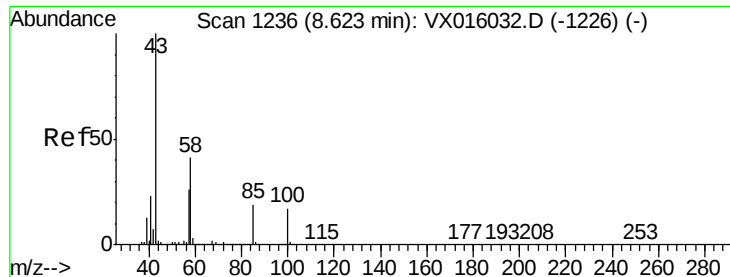
100 67.0 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.664 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016278.D

Acq: 15 May 2020 14:17

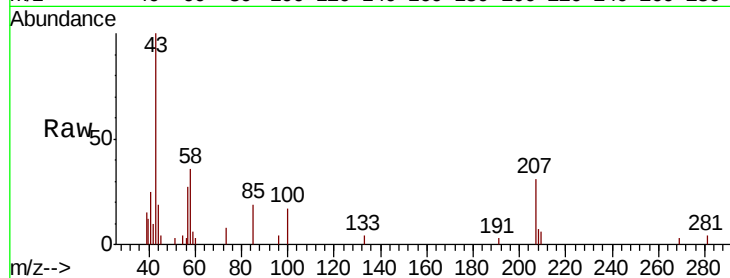
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 2983

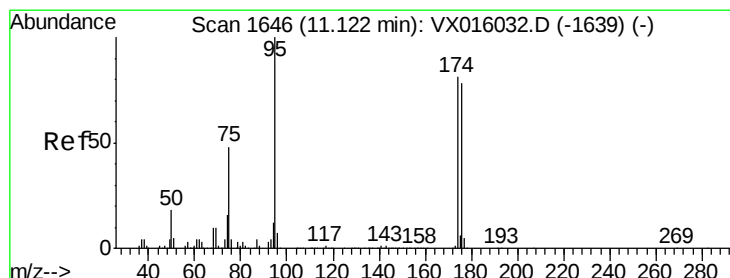
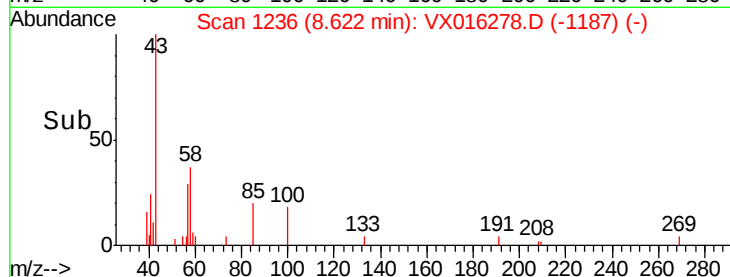
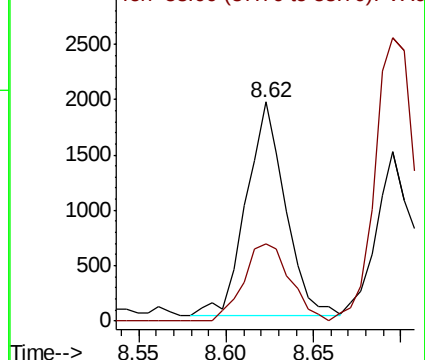
Ion Ratio Lower Upper

43 100

58 43.4 33.0 49.4



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



#62

4-Bromofluorobenzene

Concen: 52.796 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016278.D

Acq: 15 May 2020 14:17

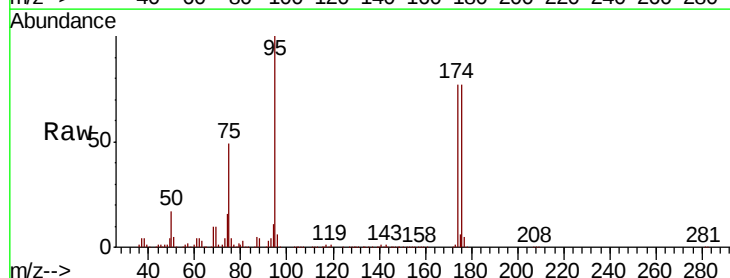
Tgt Ion: 95 Resp: 197672

Ion Ratio Lower Upper

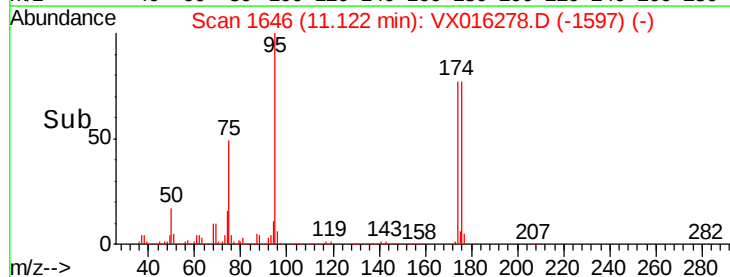
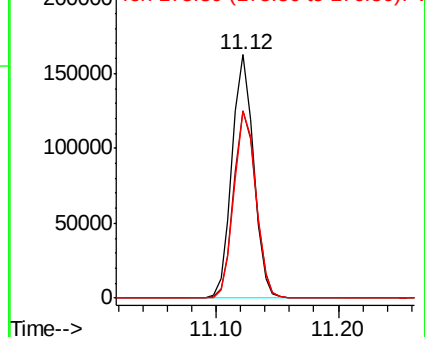
95 100

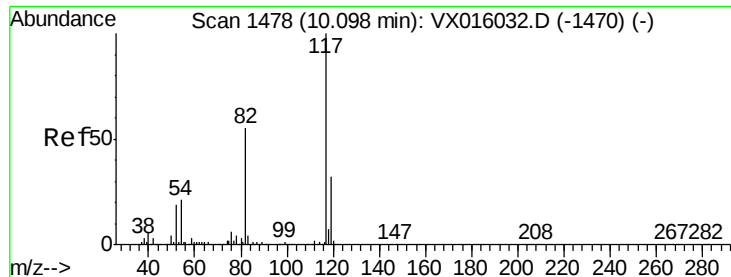
174 78.7 0.0 159.4

176 78.2 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

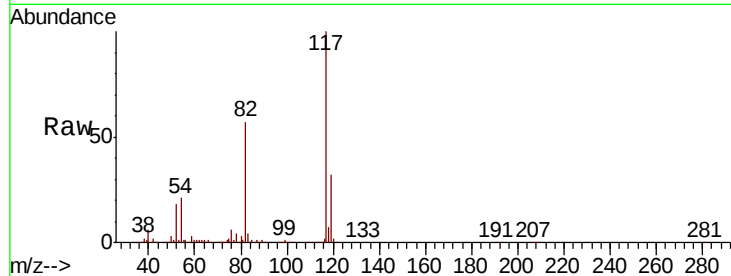




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016278.D
Acq: 15 May 2020 14:17

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	44.4	66.6
119	32.3	25.5	38.3

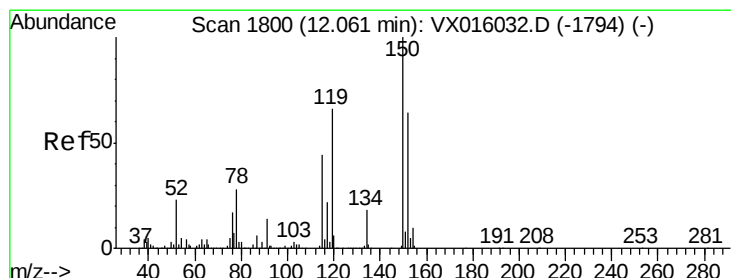
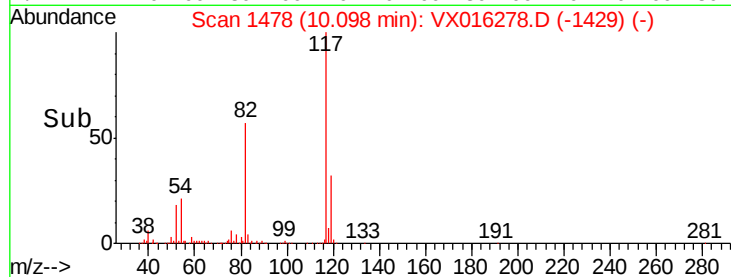
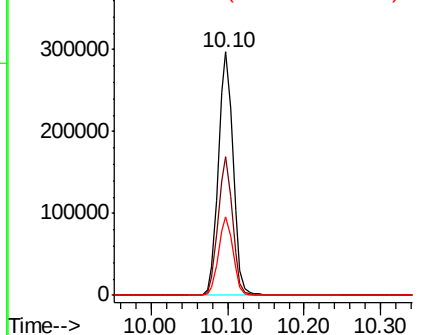


Abundance

Ion 116.90 (116.60 to 117.60): V

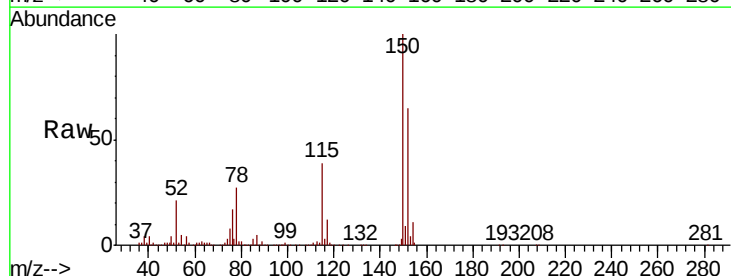
Ion 82.00 (81.70 to 82.70): VX0

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: VX016278.D
Acq: 15 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	41.3	124.1
150	156.2	0.0	352.2

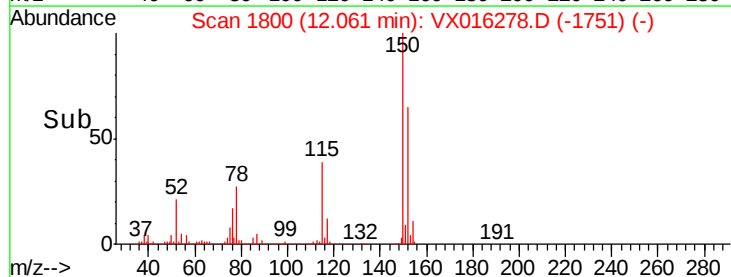
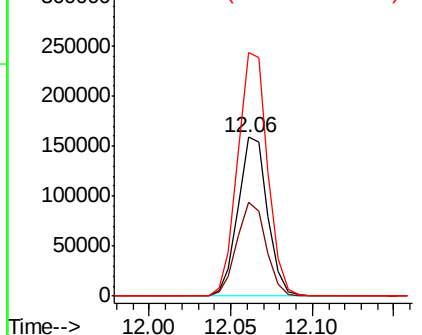


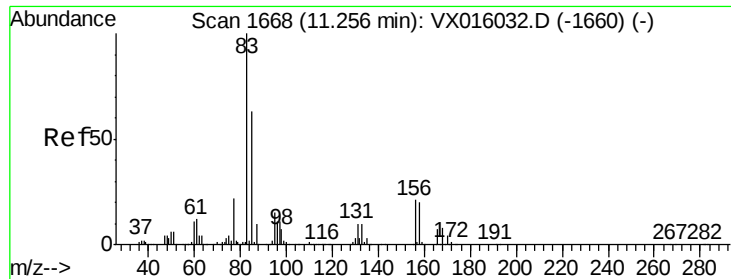
Abundance

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: 2.097 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016278.D

Acq: 15 May 2020 14:17

Instrument :

MSVOA_X

ClientSampleId :

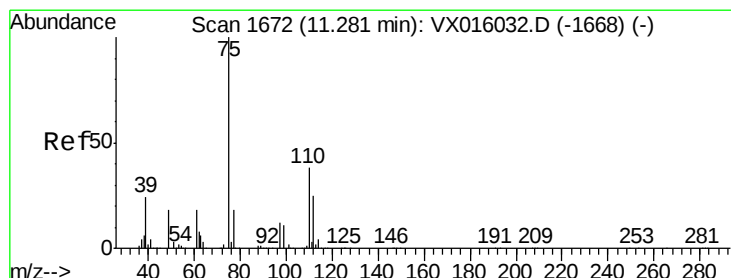
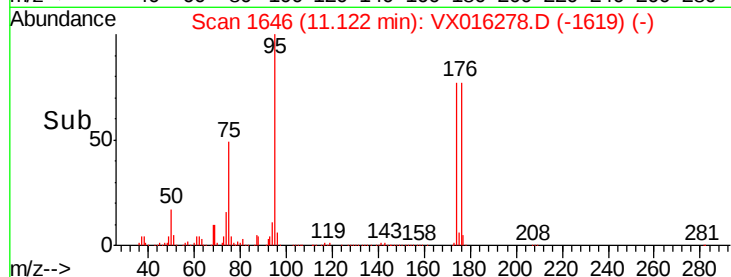
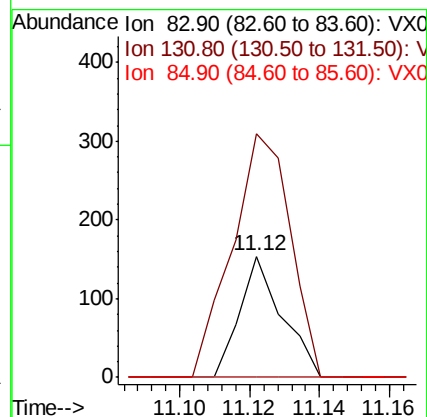
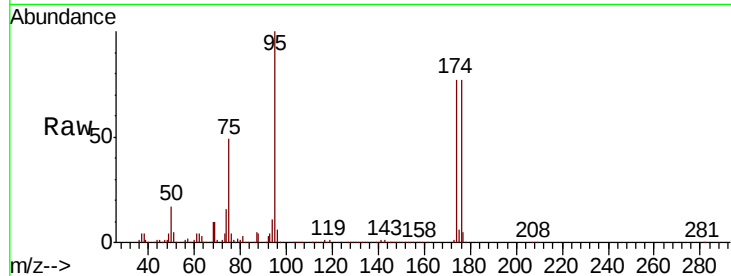
Tot Ion: 83 Resp: 130

Ion Ratio Lower Upper

83 100

131 275.4 5.1 15.4#

85 0.0 32.0 96.0#



#76

1,2,3-Trichloropropane

Concen: 21.483 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016278.D

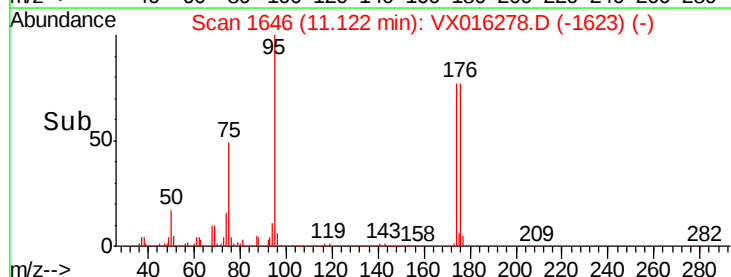
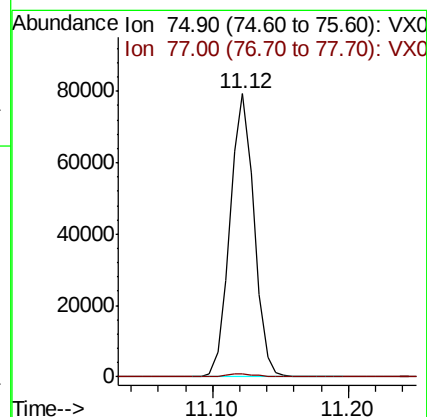
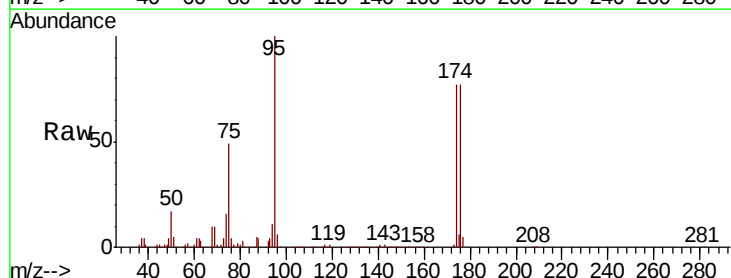
Acq: 15 May 2020 14:17

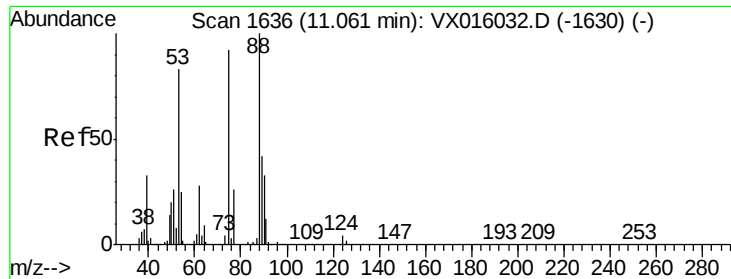
Tgt Ion: 75 Resp: 97404

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#

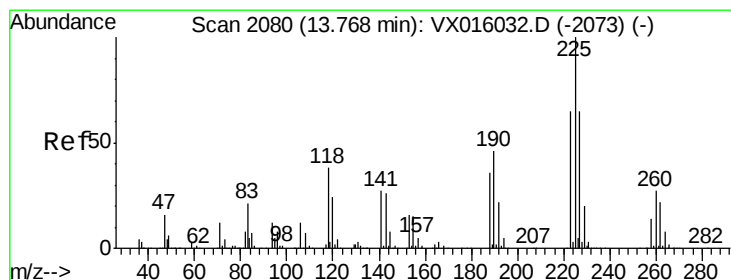
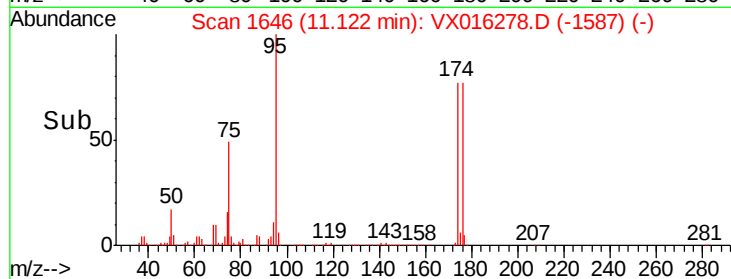
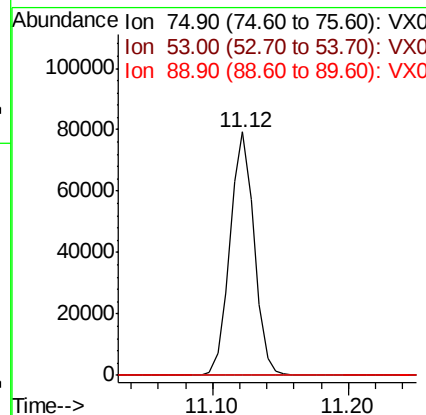
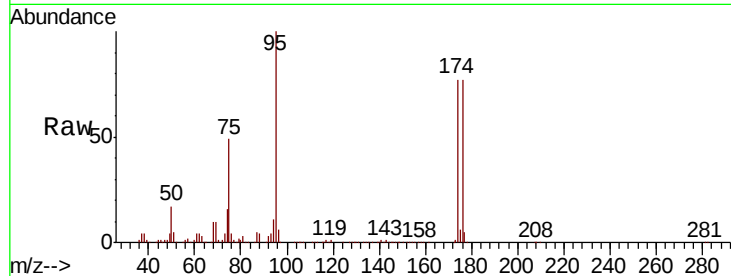




#81
trans-1,4-Dichloro-2-butene
Concen: 51.196 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016278.D
Acq: 15 May 2020 14:17

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 97404
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.0 36.7 55.1#



#94
Hexachlorobutadiene
Concen: 0.537 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX016278.D
Acq: 15 May 2020 14:17

Tgt Ion: 225 Resp: 29
Ion Ratio Lower Upper
225 100
223 93.1 32.3 96.9
227 0.0 31.8 95.4#

