

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050820\
 Data File : VX016125.D
 Acq On : 08 May 2020 16:49
 Operator : JC/SP
 Sample : L2552-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 09 01:50:07 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	265208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	444224	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	432765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	220088	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	167862	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
35) Dibromofluoromethane	5.47	113	131709	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	
50) Toluene-d8	8.70	98	546422	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
62) 4-Bromofluorobenzene	11.12	95	218417	52.96	ug/l	0.00
Spiked Amount			Recovery	=	105.92%	

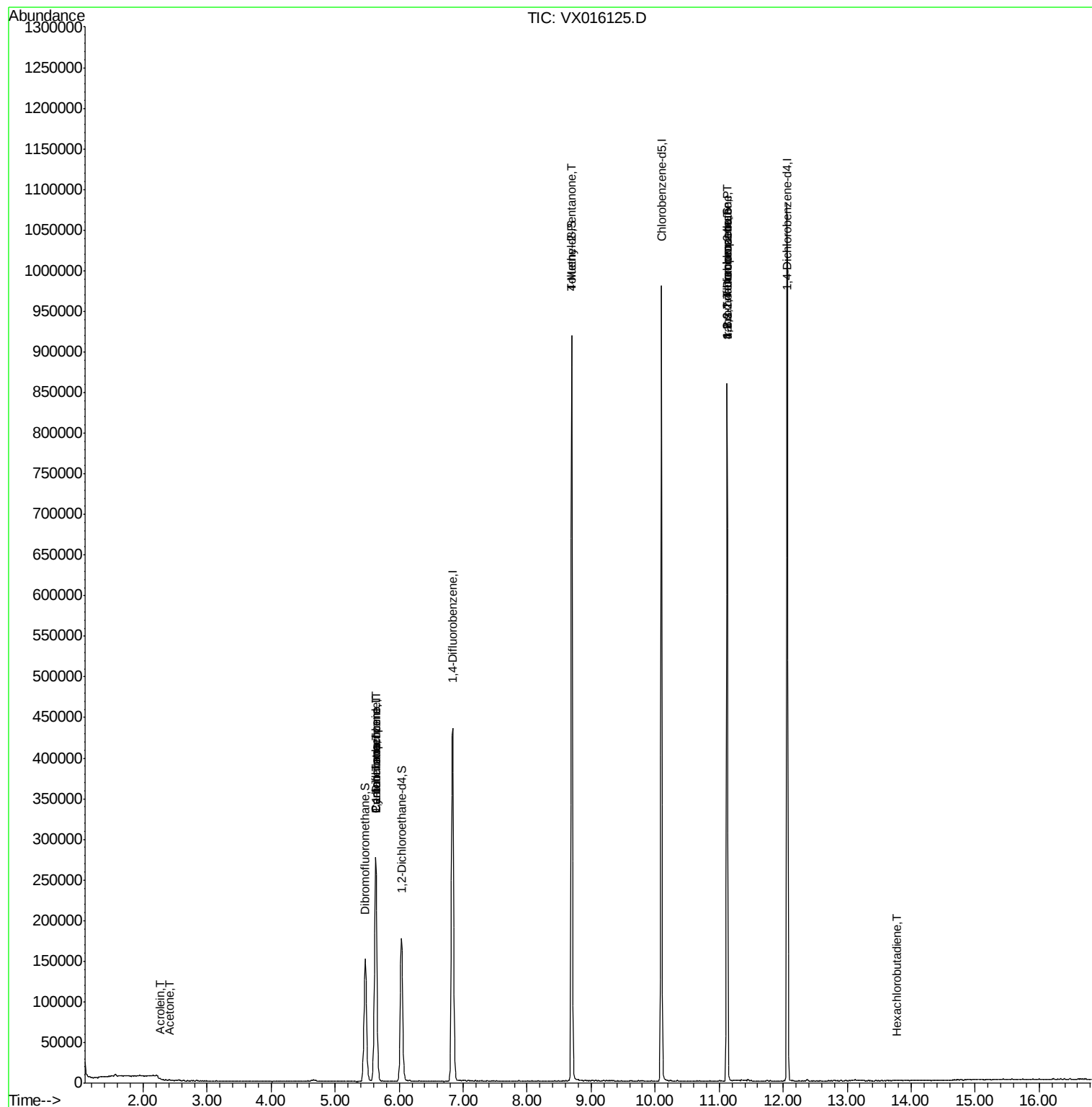
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.27	56	274	0.496	ug/l #	14
16) Acetone	2.42	43	586	0.376	ug/l	100
17) Carbon Disulfide	2.55	76	1612	Below Cal	#	91
31) Cyclohexane	5.63	56	5378	1.109	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	20568	4.704	ug/l #	49
38) Carbon Tetrachloride	5.64	117	26032	5.857	ug/l #	14
51) 4-Methyl-2-Pentanone	8.70	43	2336	0.472	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.12	83	184	2.111	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	109422	21.909	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	109422	52.212	ug/l #	13
94) Hexachlorobutadiene	13.77	225	46	0.543	ug/l #	18

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

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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: VX016125.D

Acq: 08 May 2020 16:49

Instrument :

MSVOA_X

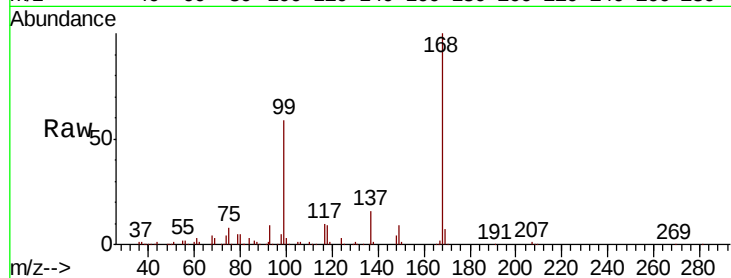
ClientSampled :

Tot Ion:168 Resp: 265208

Ion Ratio Lower Upper

168 100

99 59.3 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

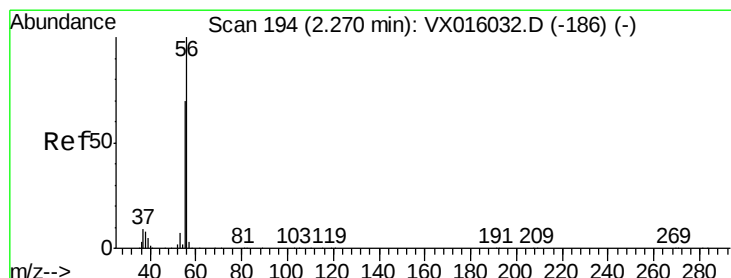
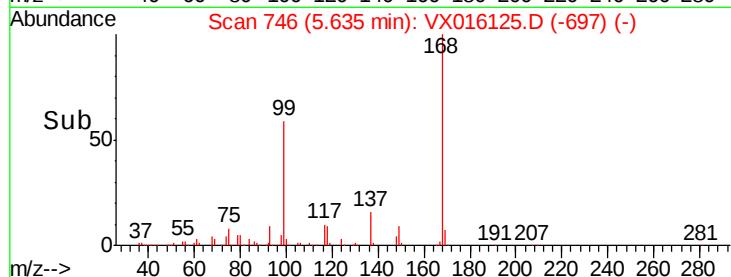
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 0.496 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016125.D

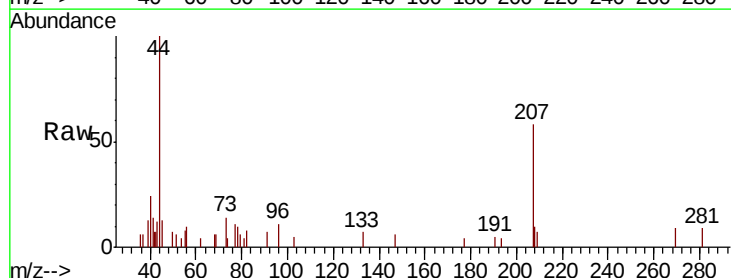
Acq: 08 May 2020 16:49

Tgt Ion: 56 Resp: 274

Ion Ratio Lower Upper

56 100

55 0.0 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

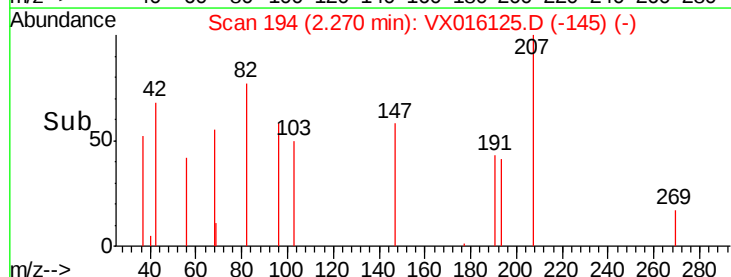
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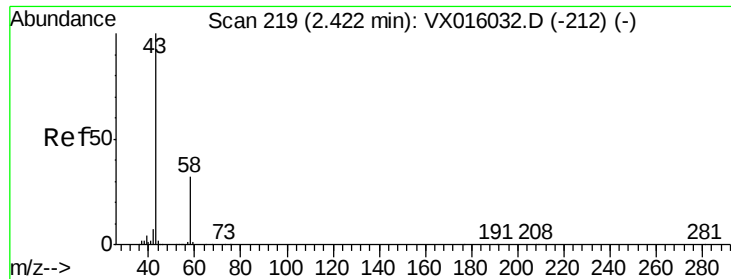
100

50

0

Time-->

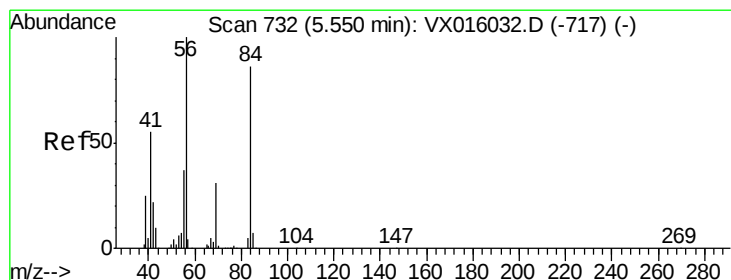
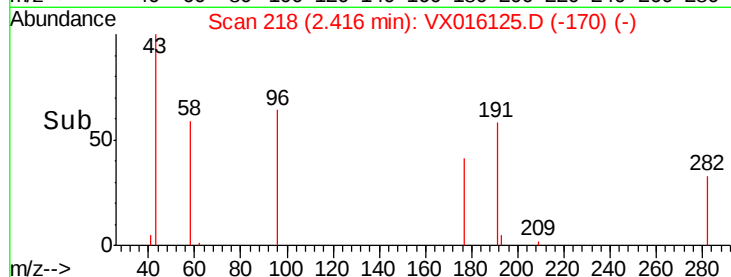
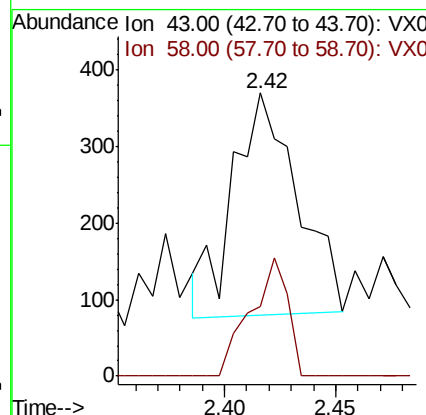
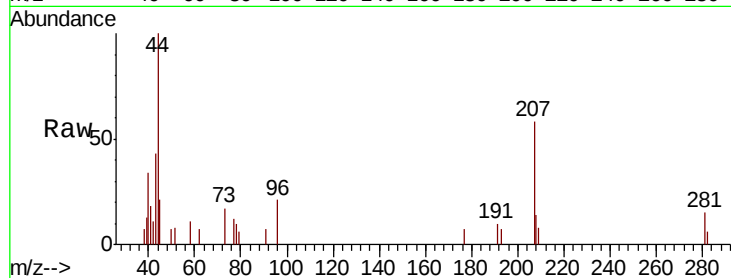




#16
Acetone
Concen: 0.376 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX016125.D
Acq: 08 May 2020 16:49

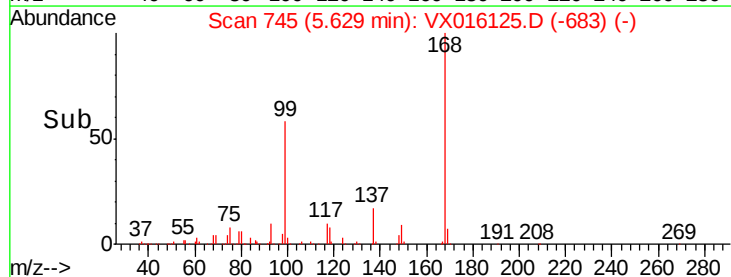
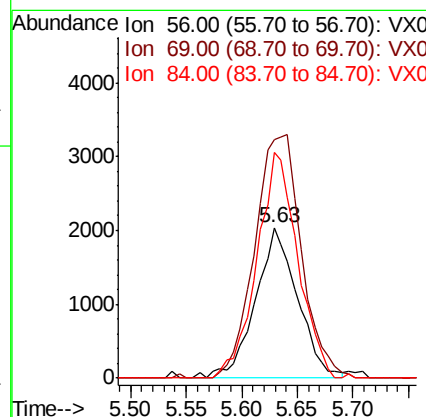
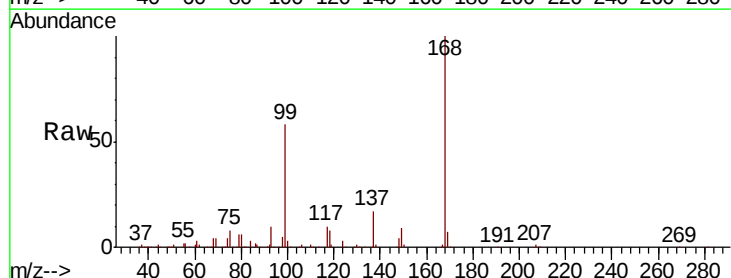
Instrument :
MSVOA_X
ClientSampled :

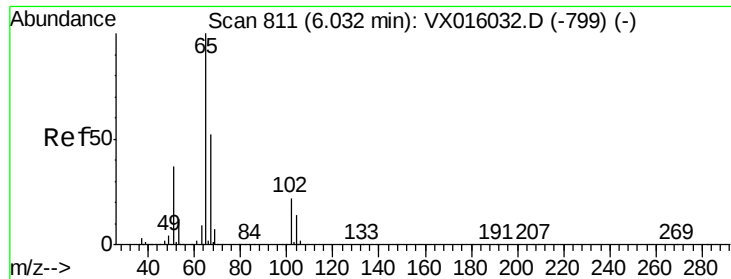
Tot Ion: 43 Resp: 586
Ion Ratio Lower Upper
43 100
58 31.9 25.4 38.0



#31
Cyclohexane
Concen: 1.109 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016125.D
Acq: 08 May 2020 16:49

Tgt Ion: 56 Resp: 5378
Ion Ratio Lower Upper
56 100
69 159.0 25.0 37.6#
84 150.0 69.0 103.6#

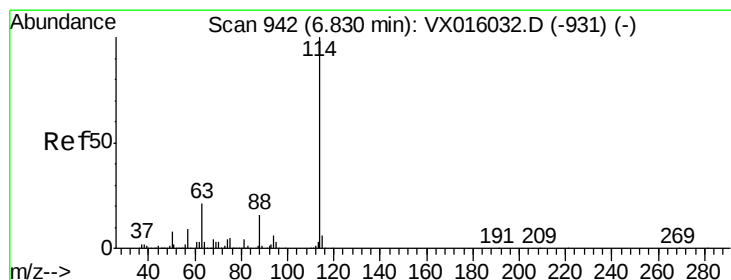
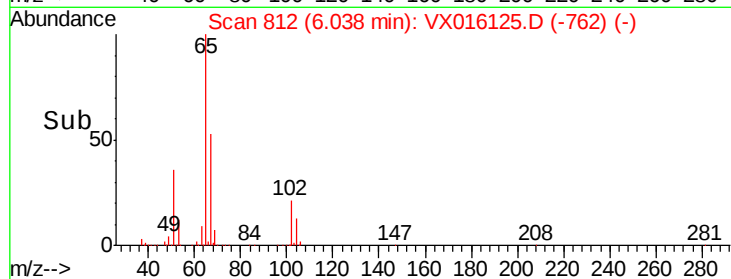
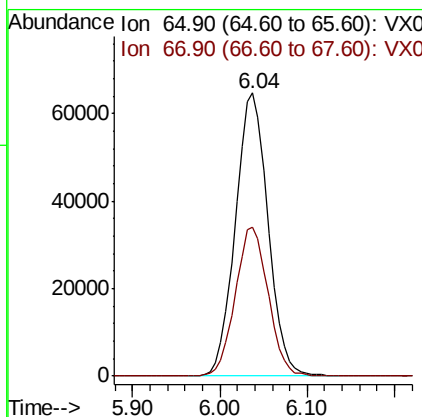
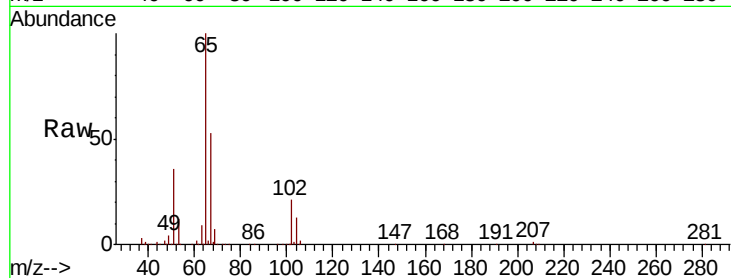




#33
 1,2-Dichloroethane-d4
 Concen: 48.100 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX016125.D
 Acq: 08 May 2020 16:49

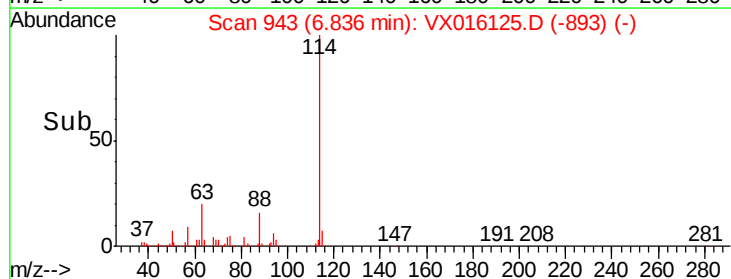
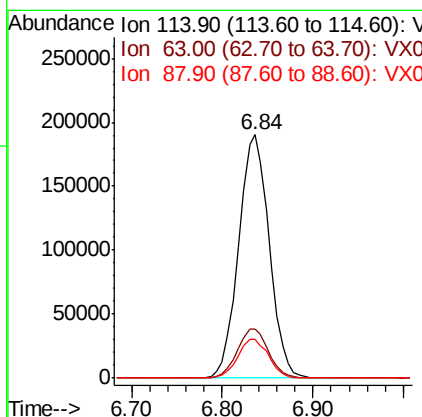
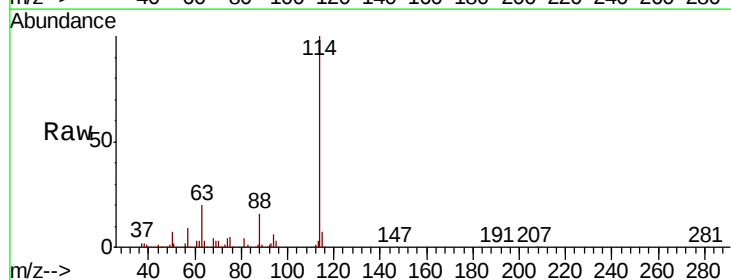
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 65 Resp: 167862
 Ion Ratio Lower Upper
 65 100
 67 53.0 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: VX016125.D
 Acq: 08 May 2020 16:49

Tgt Ion: 114 Resp: 444224
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 42.8
 88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.799 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016125.D

Acq: 08 May 2020 16:49

Instrument :
MSVOA_X
ClientSampleId :

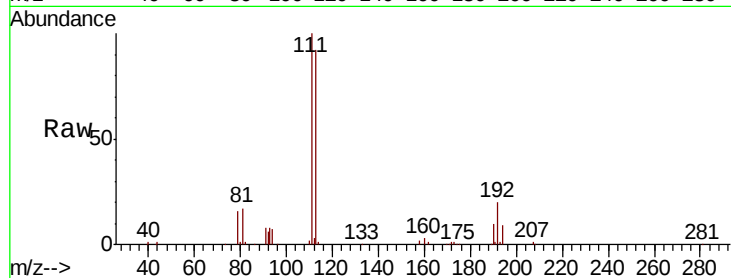
Tot Ion:113 Resp: 131709

Ion Ratio Lower Upper

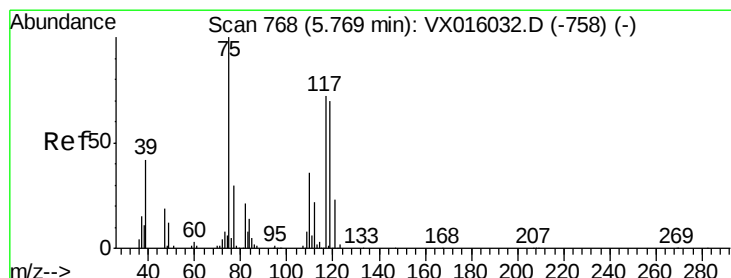
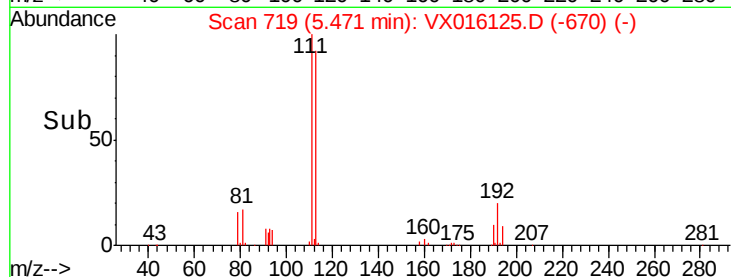
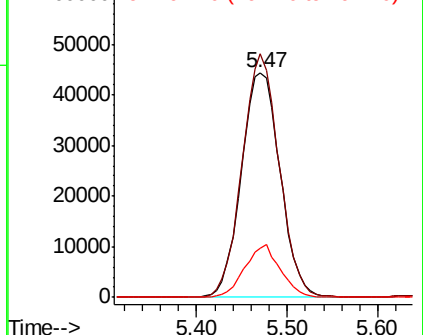
113 100

111 103.2 81.6 122.4

192 21.2 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.704 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016125.D

Acq: 08 May 2020 16:49

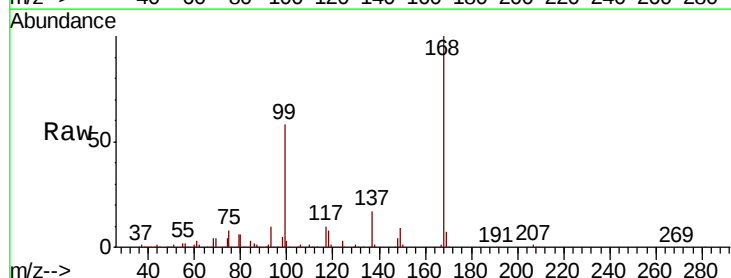
Tgt Ion: 75 Resp: 20568

Ion Ratio Lower Upper

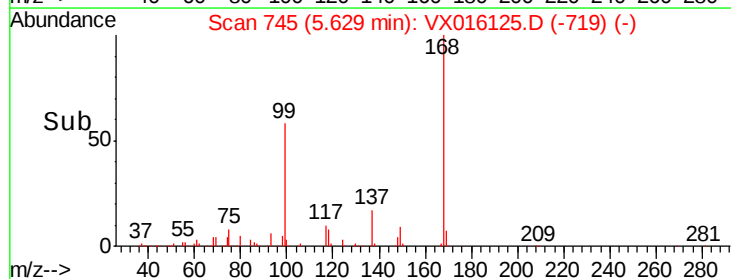
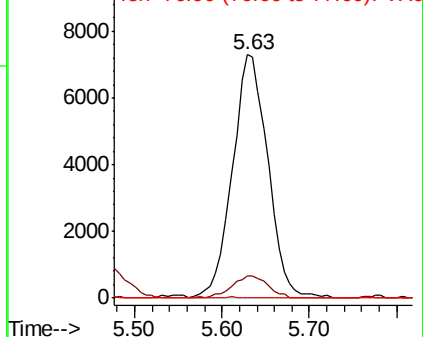
75 100

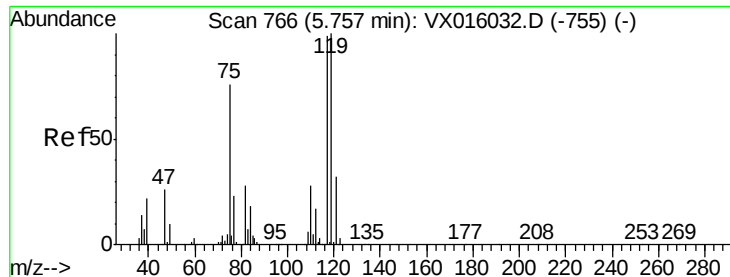
110 9.2 18.1 54.1#

77 0.1 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0

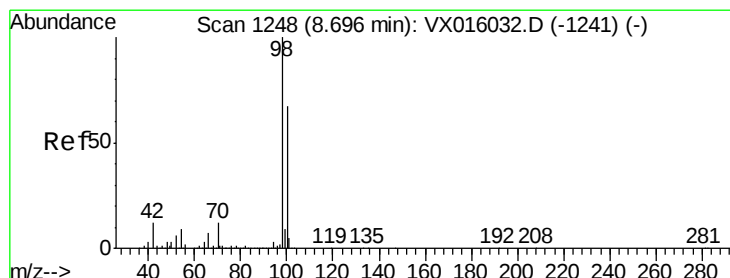
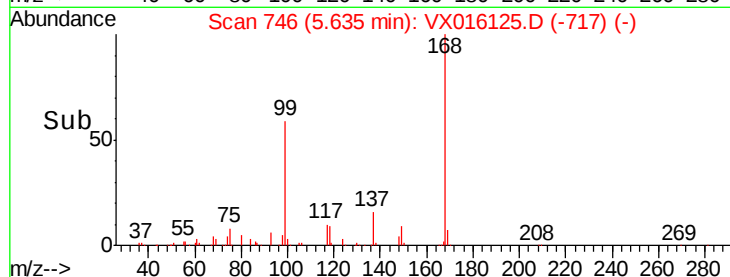
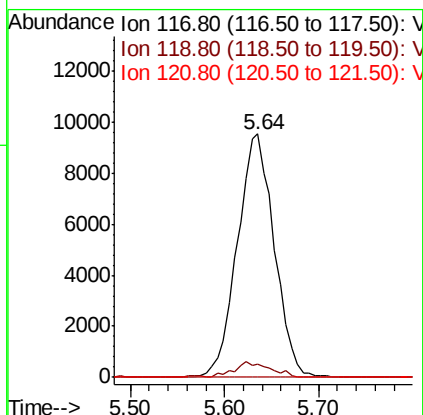
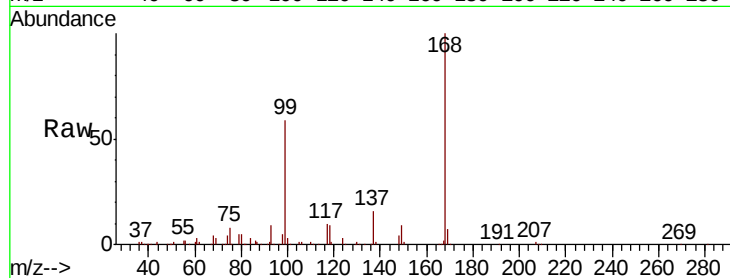




#38
Carbon Tetrachloride
Concen: 5.857 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX016125.D
Acq: 08 May 2020 16:49

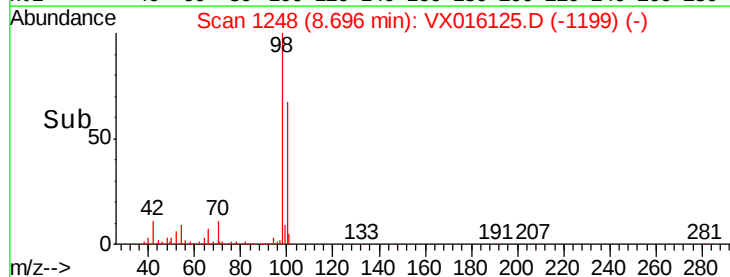
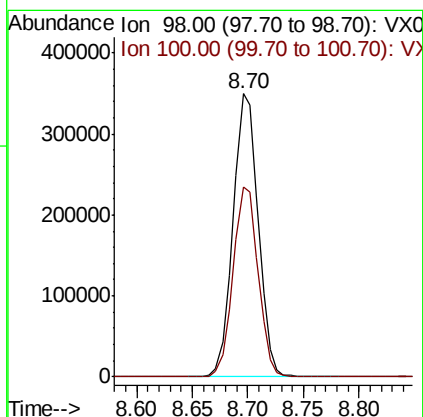
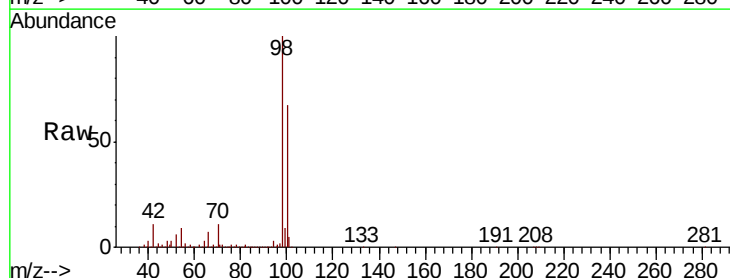
Instrument :
MSVOA_X
ClientSampleId :

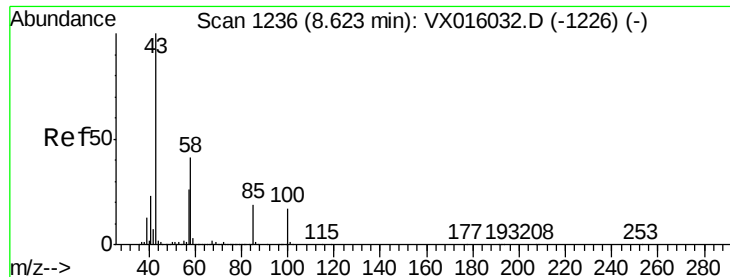
Tot Ion:117 Resp: 26032
Ion Ratio Lower Upper
117 100
119 5.4 80.3 120.5#
121 0.0 25.7 38.5#



#50
Toluene-d8
Concen: 50.390 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016125.D
Acq: 08 May 2020 16:49

Tgt Ion: 98 Resp: 546422
Ion Ratio Lower Upper
98 100
100 67.2 53.7 80.5

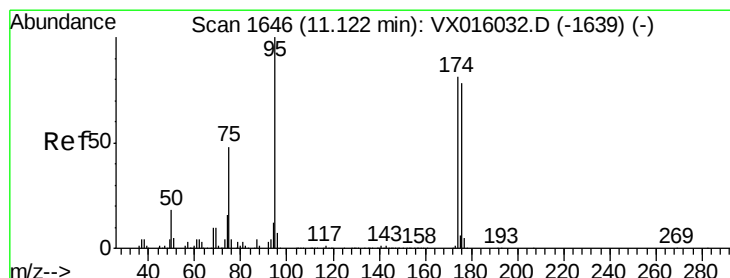
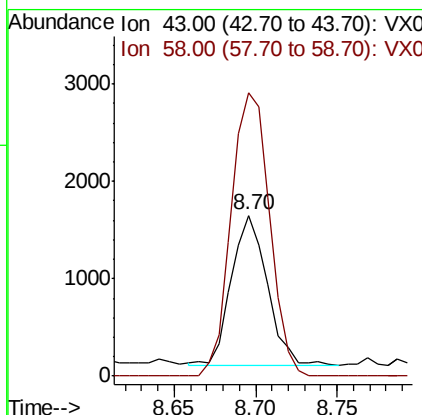
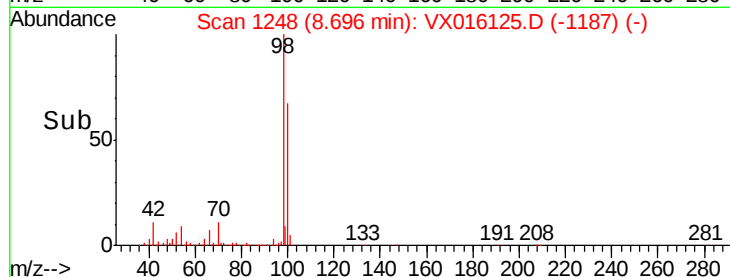
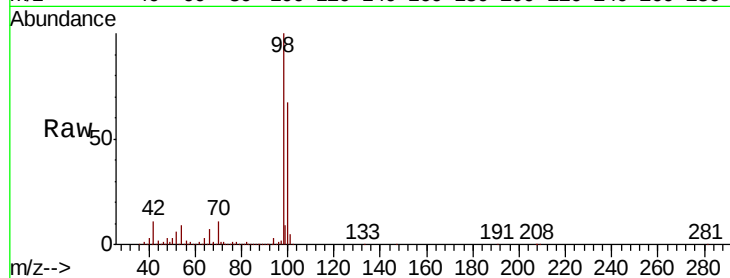




#51
4-Methyl-2-Pentanone
Concen: 0.472 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.07 min
Lab File: VX016125.D
Acq: 08 May 2020 16:49

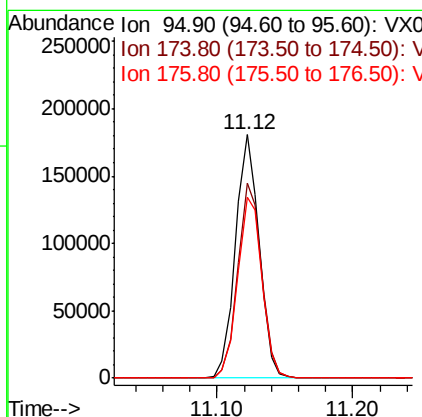
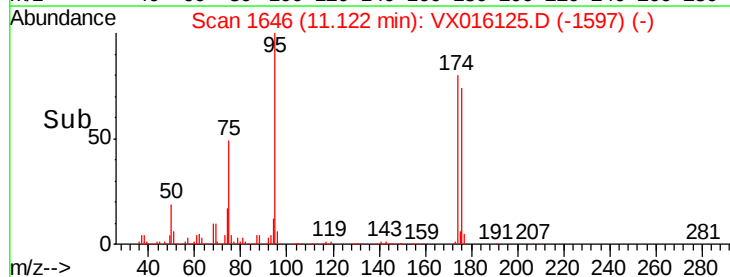
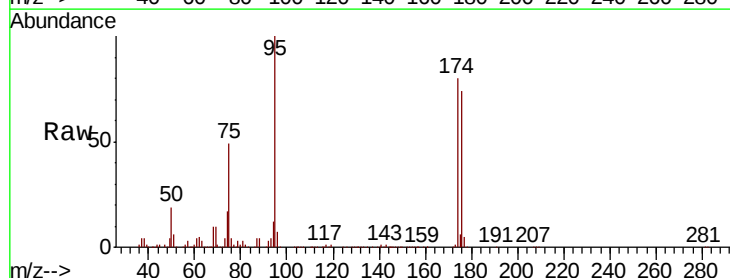
Instrument :
MSVOA_X
ClientSampleId :

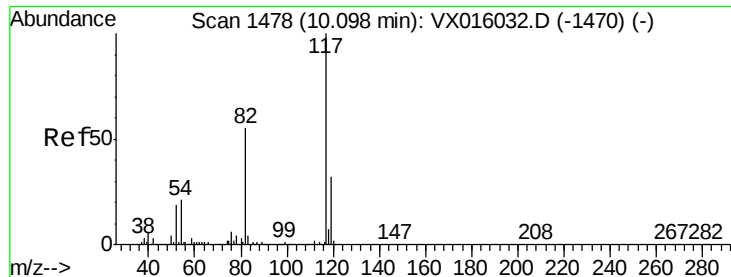
Tot Ion: 43 Resp: 2336
Ion Ratio Lower Upper
43 100
58 204.4 33.0 49.4#



#62
4-Bromofluorobenzene
Concen: 52.956 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016125.D
Acq: 08 May 2020 16:49

Tgt Ion: 95 Resp: 218417
Ion Ratio Lower Upper
95 100
174 80.9 0.0 159.4
176 76.7 0.0 157.6

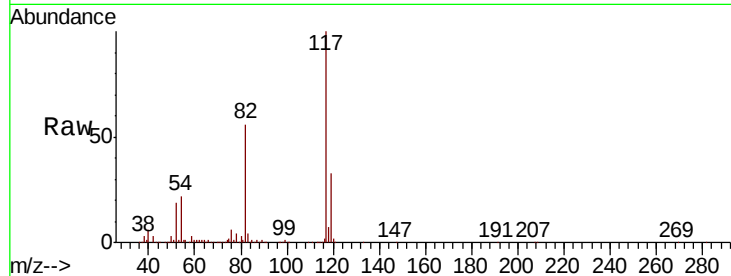




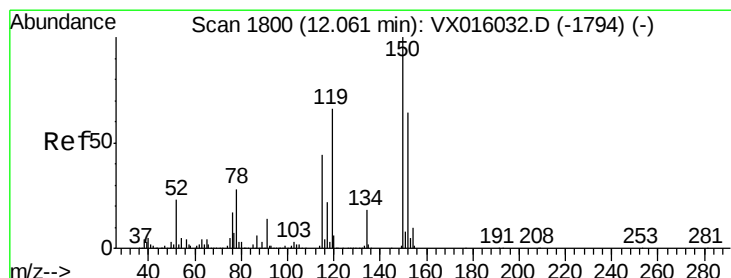
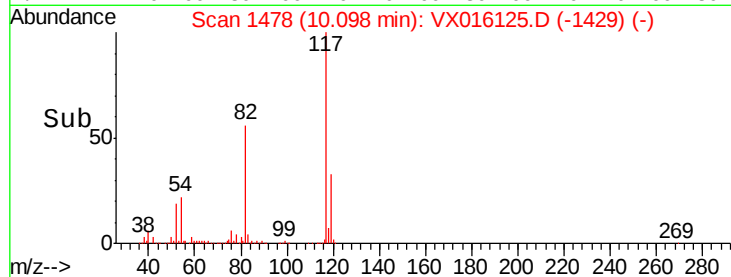
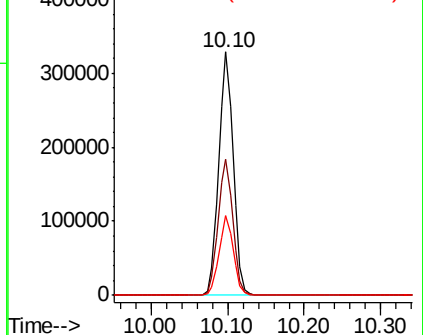
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016125.D
Acq: 08 May 2020 16:49

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.4	66.6
119	32.7	25.5	38.3

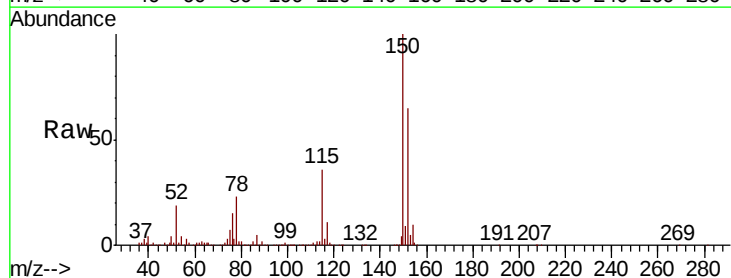


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

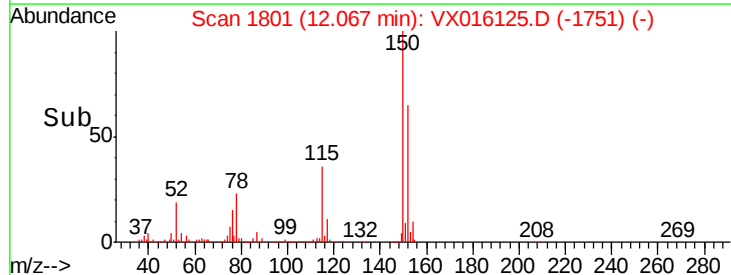
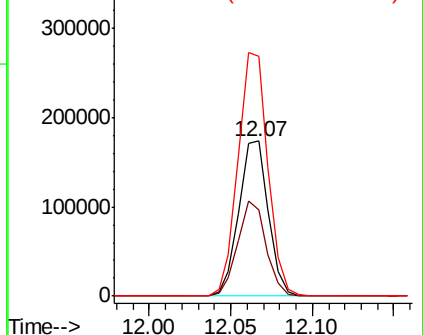


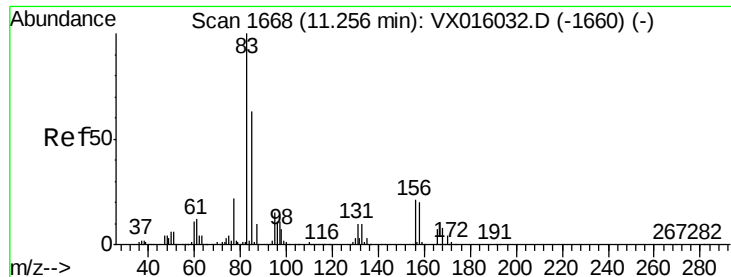
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VX016125.D
Acq: 08 May 2020 16:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	41.3	124.1
150	158.2	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: 2.111 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016125.D

Acq: 08 May 2020 16:49

Instrument :

MSVOA_X

ClientSampleId :

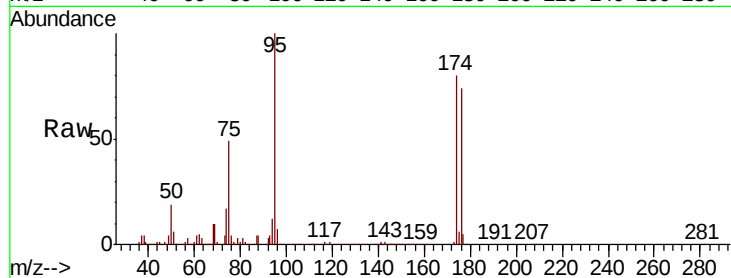
Tot Ion: 83 Resp: 184

Ion Ratio Lower Upper

83 100

131 154.9 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

400

300

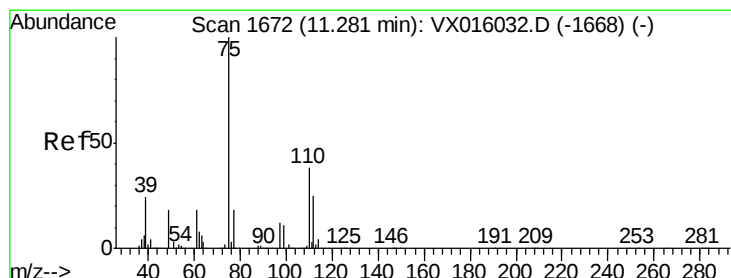
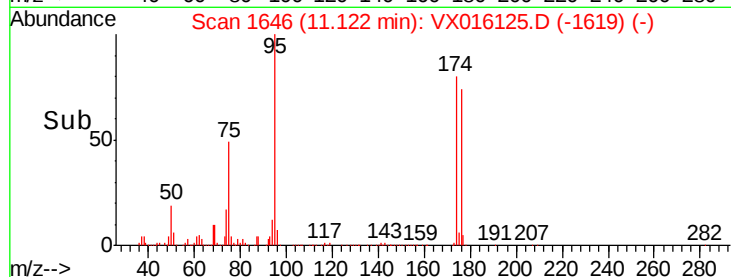
200

100

0

11.10 11.12 11.15

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.909 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016125.D

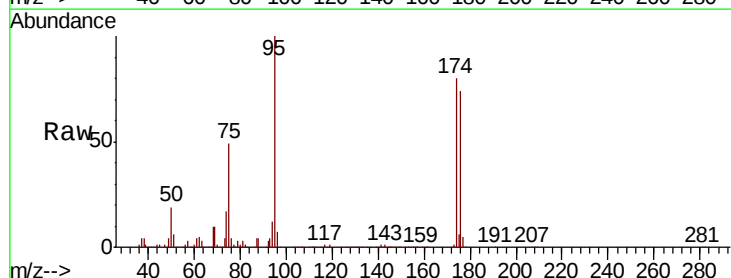
Acq: 08 May 2020 16:49

Tgt Ion: 75 Resp: 109422

Ion Ratio Lower Upper

75 100

77 1.2 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

100000

80000

60000

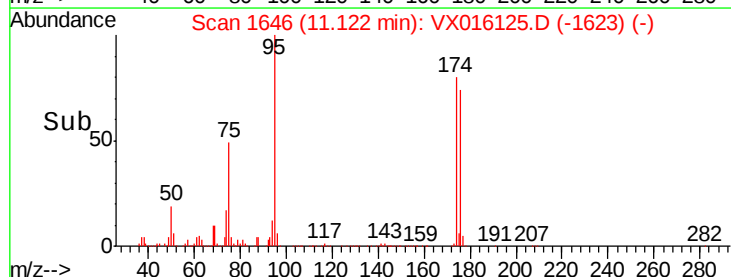
40000

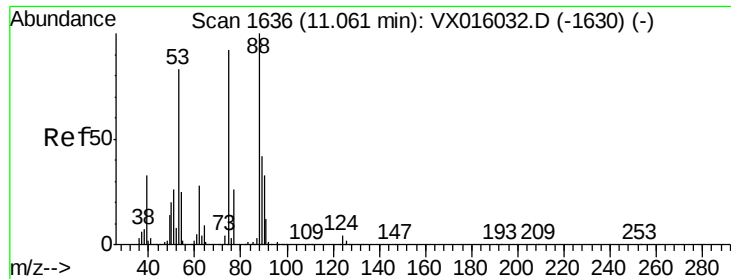
20000

0

11.10 11.12 11.20

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 52.212 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016125.D

Acq: 08 May 2020 16:49

Instrument :

MSVOA_X

ClientSampleId :

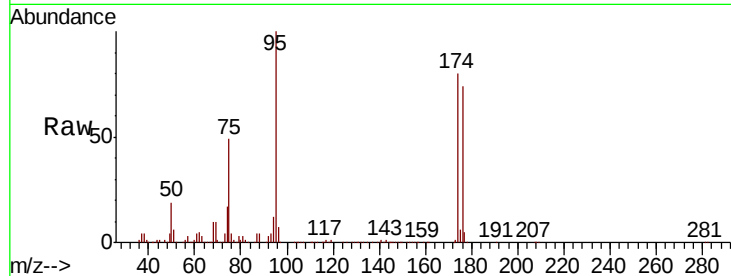
Tot Ion: 75 Resp: 109422

Ion Ratio Lower Upper

75 100

53 0.1 73.1 109.7#

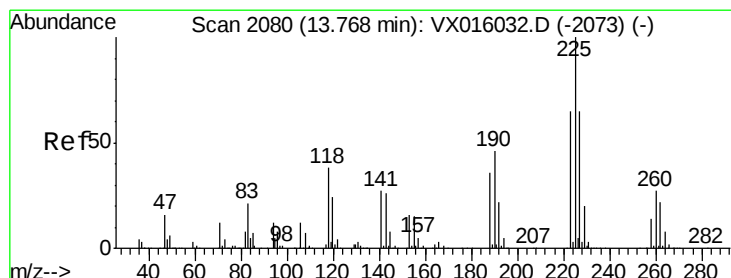
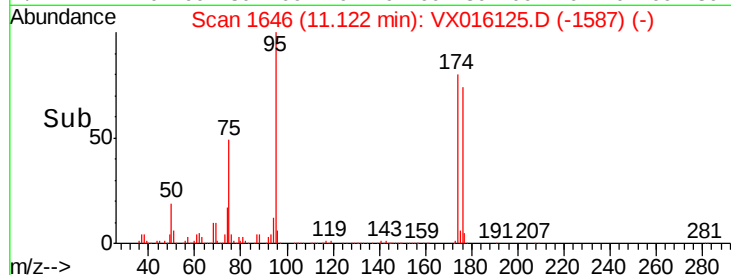
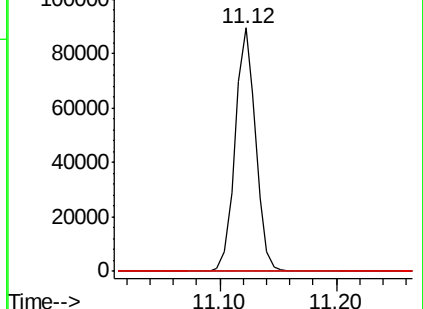
89 0.0 36.7 55.1#



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: 0.543 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016125.D

Acq: 08 May 2020 16:49

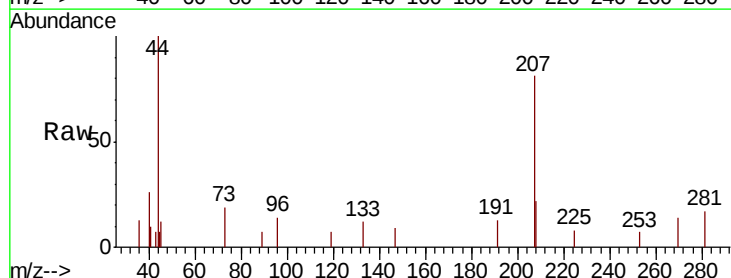
Tgt Ion: 225 Resp: 46

Ion Ratio Lower Upper

225 100

223 0.0 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

