

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050420\
 Data File : VX016045.D
 Acq On : 04 May 2020 19:01
 Operator : JC/SP
 Sample : L2469-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW125-20200428

Quant Time: May 05 07:32:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:11:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	297868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	486113	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	480004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	245705	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	185629	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	
35) Dibromofluoromethane	5.47	113	143724	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	
50) Toluene-d8	8.70	98	593168	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	11.12	95	242468	53.72	ug/l	0.00
Spiked Amount			Recovery	=	107.44%	

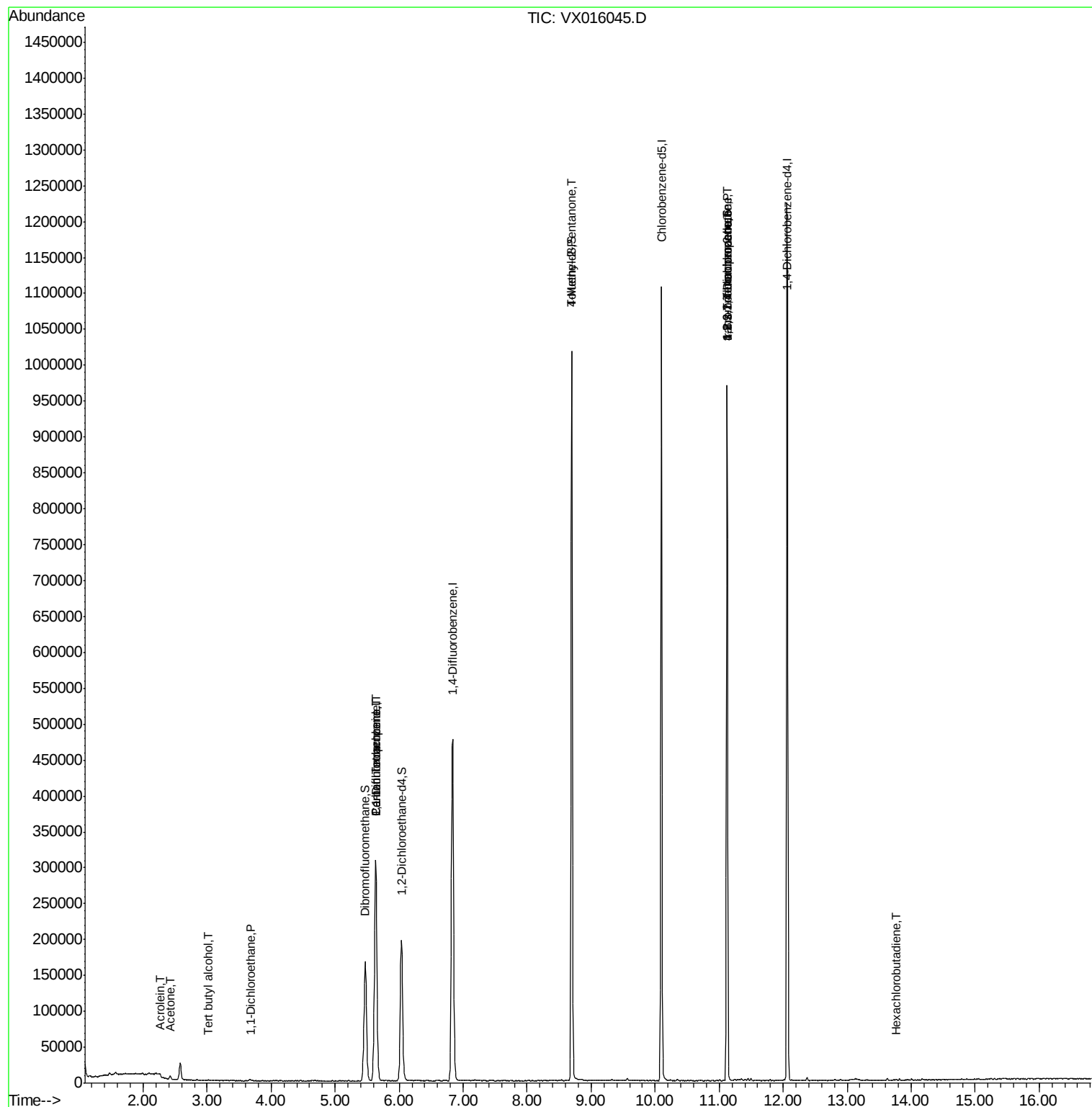
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	626	0.632	ug/l #	48
13) Acrolein	2.28	56	623	1.004	ug/l #	77
16) Acetone	2.42	43	4613	2.638	ug/l	94
24) 1,1-Dichloroethane	3.68	63	1780	0.297	ug/l #	82
36) 1,1-Dichloropropene	5.63	75	22308	4.662	ug/l #	50
38) Carbon Tetrachloride	5.63	117	28632	5.887	ug/l #	14
51) 4-Methyl-2-Pentanone	8.69	43	2650	0.489	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.12	83	242	4.868	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	124847	22.392	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	124847	53.361	ug/l #	13
94) Hexachlorobutadiene	13.77	225	245	0.619	ug/l	86

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

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Quant Title : SW846 8260
QLast Update : Tue May 05 07:11:41 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016045.D

Acq: 04 May 2020 19:01

Instrument :

MSVOA_X

ClientSampleId :

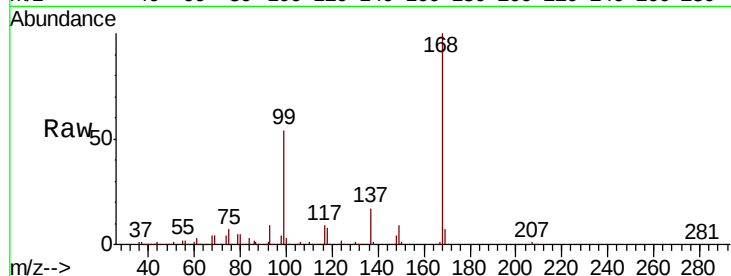
SA-SW125-20200428

Tot Ion:168 Resp: 297868

Ion Ratio Lower Upper

168 100

99 53.9 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

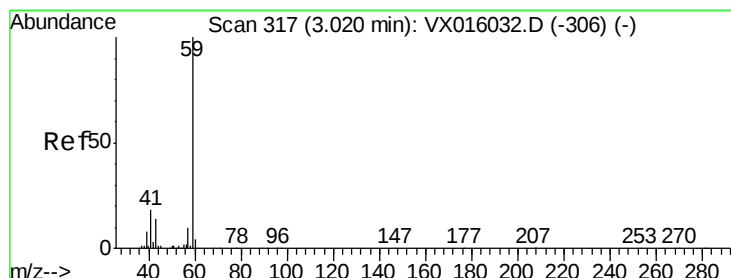
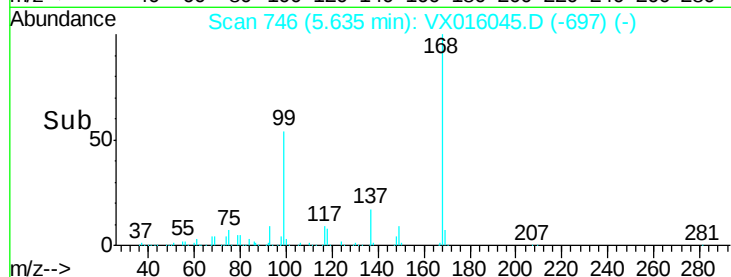
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.632 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX016045.D

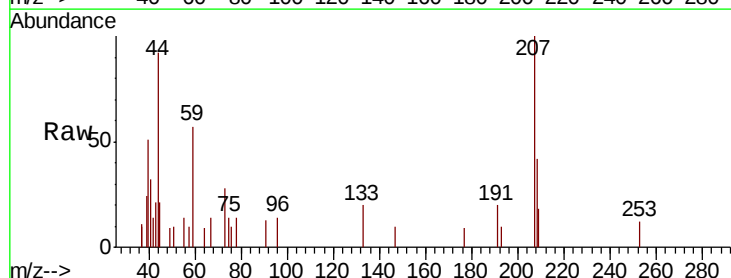
Acq: 04 May 2020 19:01

Tgt Ion: 59 Resp: 626

Ion Ratio Lower Upper

59 100

57 29.9 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

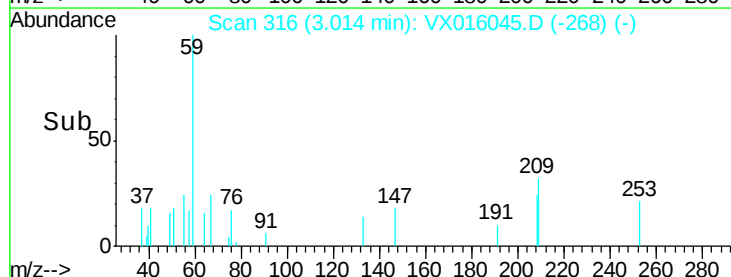
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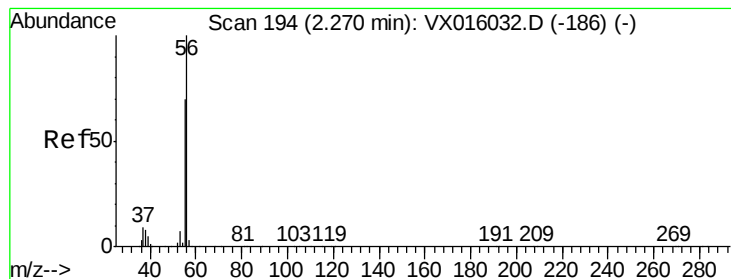
200

100

0

Time-->





#13

Acrolein

Concen: 1.004 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016045.D

Acq: 04 May 2020 19:01

Instrument :

MSVOA_X

ClientSampleId :

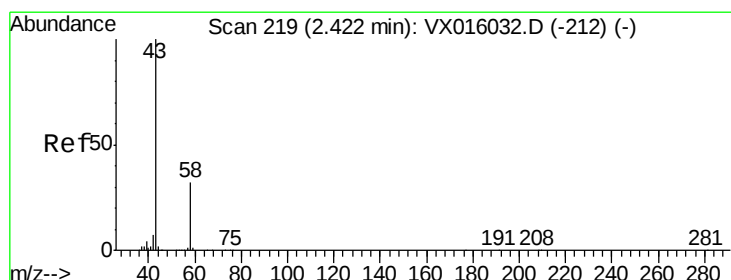
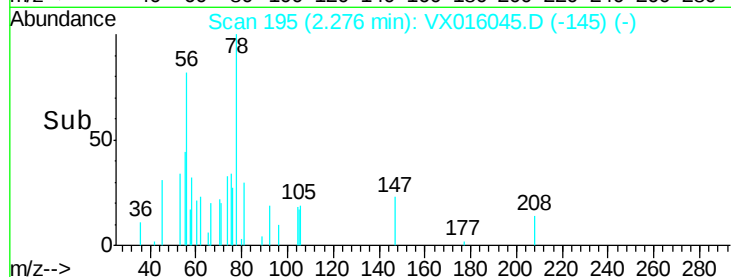
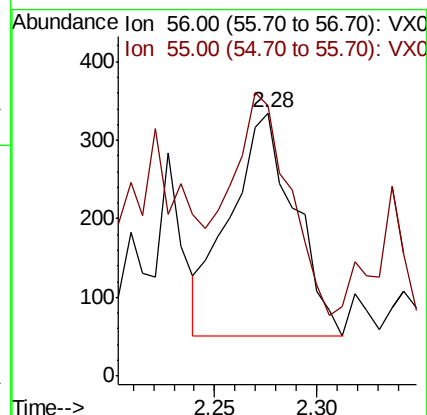
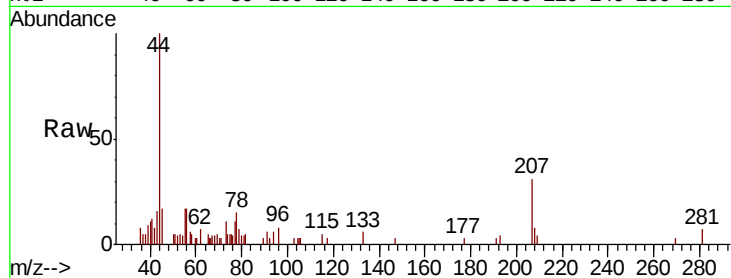
SA-SW125-20200428

Tot Ion: 56 Resp: 623

Ion Ratio Lower Upper

56 100

55 89.4 56.5 84.7#



#16

Acetone

Concen: 2.638 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016045.D

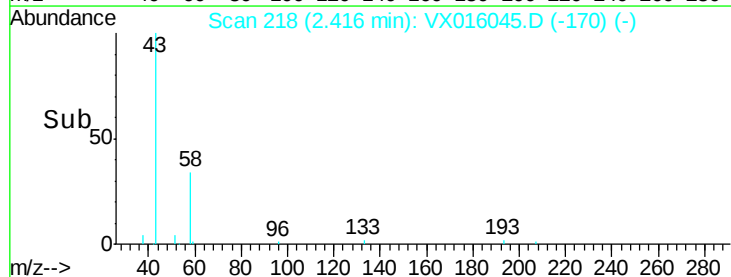
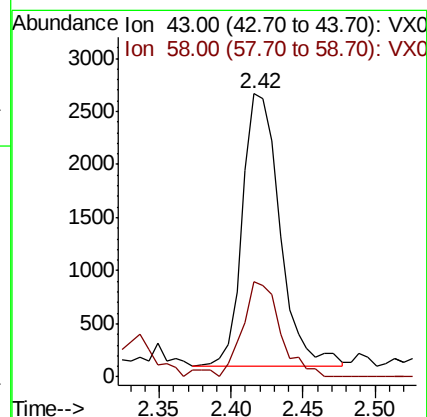
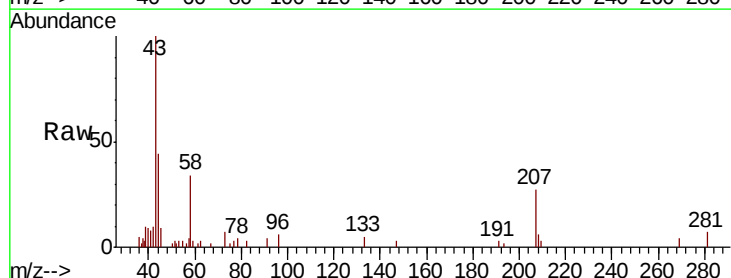
Acq: 04 May 2020 19:01

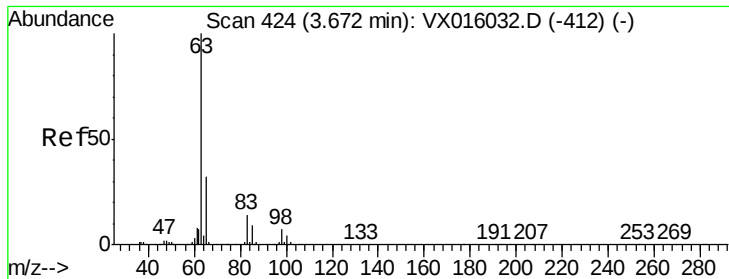
Tgt Ion: 43 Resp: 4613

Ion Ratio Lower Upper

43 100

58 35.2 25.4 38.0





#24

1,1-Dichloroethane

Concen: 0.297 ug/l

RT: 3.68 min Scan# 425

Delta R.T. 0.01 min

Lab File: VX016045.D

Acq: 04 May 2020 19:01

Instrument :

MSVOA_X

ClientSampleId :

SA-SW125-20200428

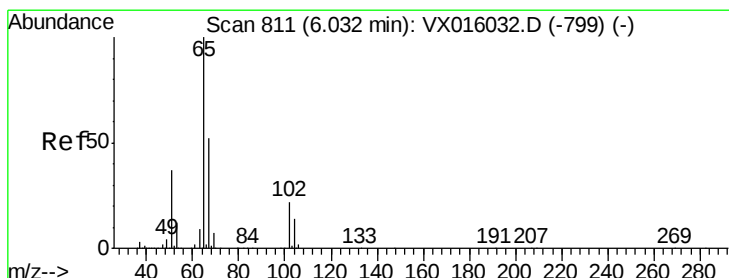
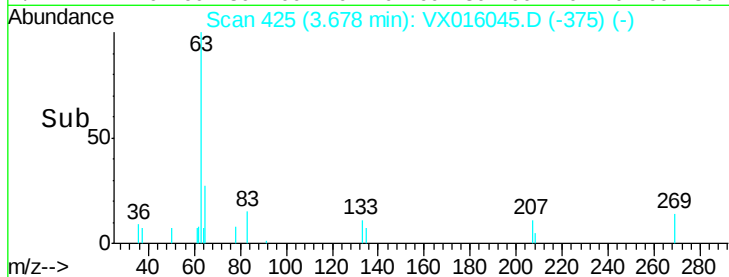
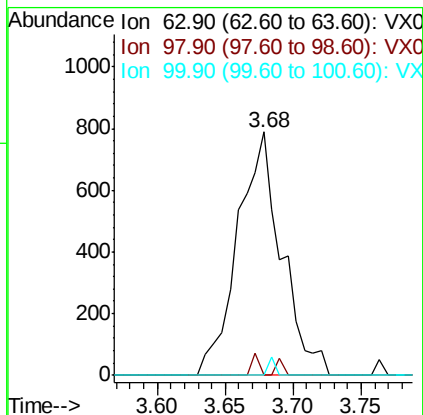
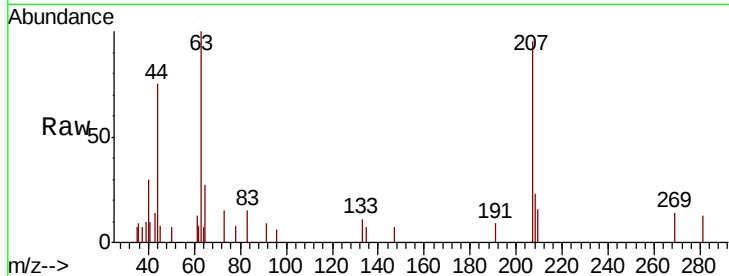
Tot Ion: 63 Resp: 1780

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.5#

100 0.0 2.1 6.5#



#33

1,2-Dichloroethane-d4

Concen: 47.359 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016045.D

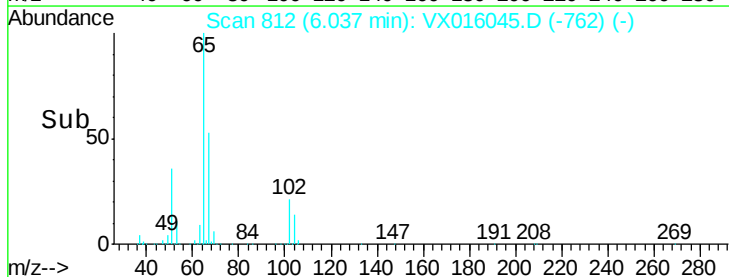
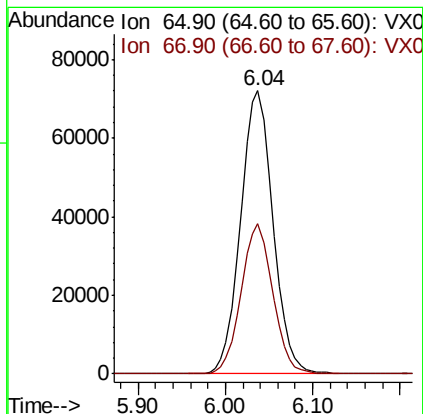
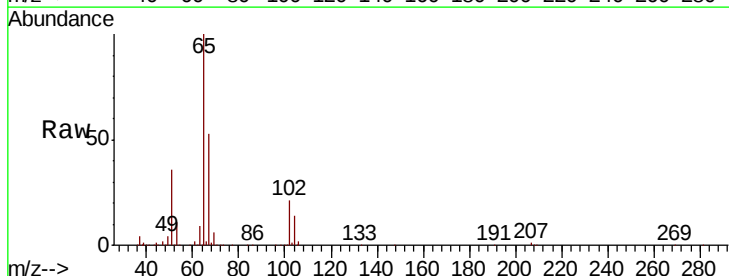
Acq: 04 May 2020 19:01

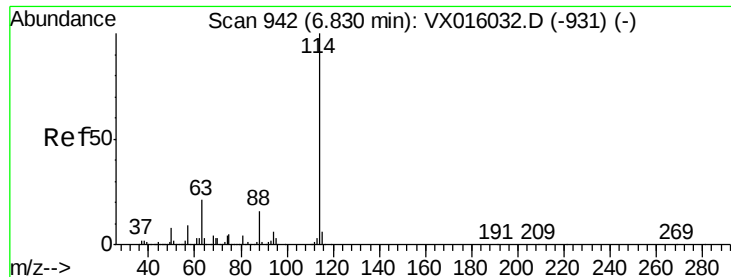
Tgt Ion: 65 Resp: 185629

Ion Ratio Lower Upper

65 100

67 51.9 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: VX016045.D

Acq: 04 May 2020 19:01

Instrument :

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ClientSampleId :

SA-SW125-20200428

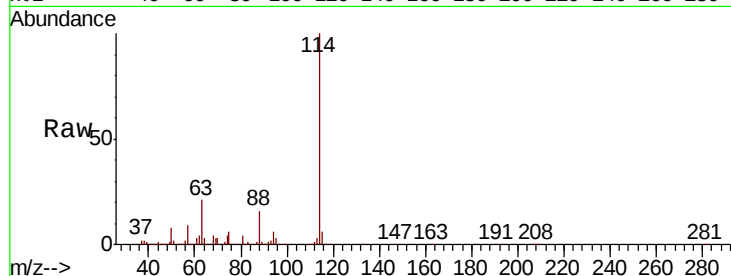
Tot Ion:114 Resp: 486113

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.8

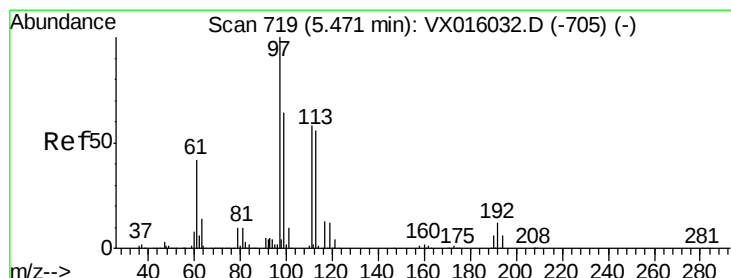
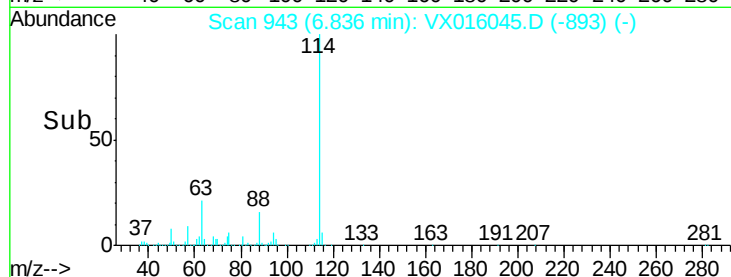
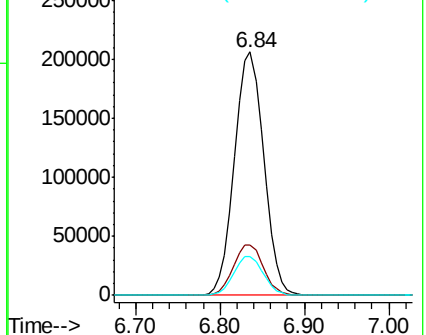
88 15.8 0.0 31.4



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: 46.668 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016045.D

Acq: 04 May 2020 19:01

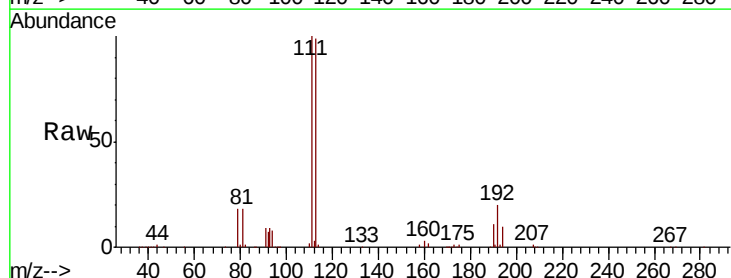
Tgt Ion:113 Resp: 143724

Ion Ratio Lower Upper

113 100

111 101.0 81.6 122.4

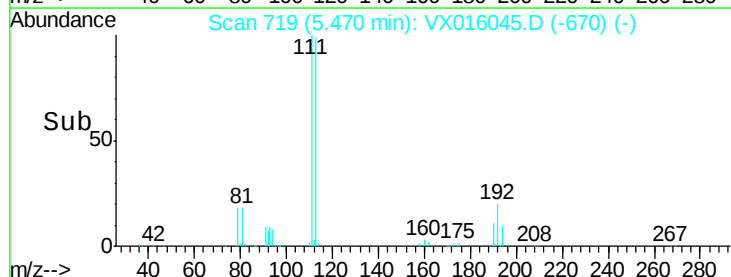
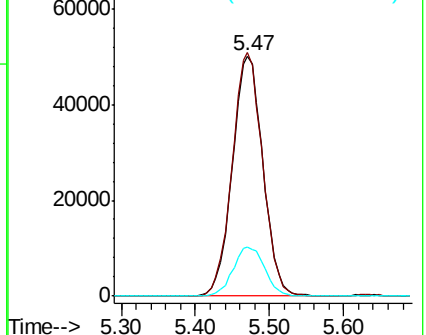
192 21.3 17.0 25.4

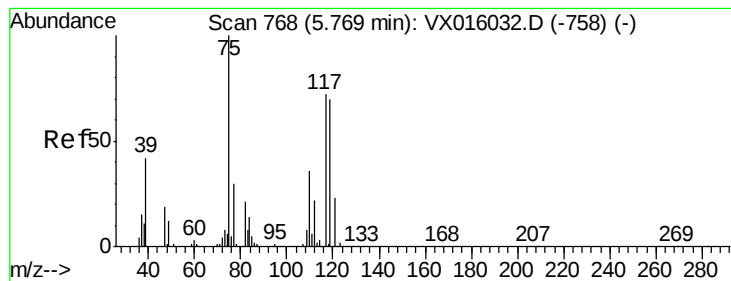


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.662 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016045.D

Acq: 04 May 2020 19:01

Instrument :

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ClientSampleId :

SA-SW125-20200428

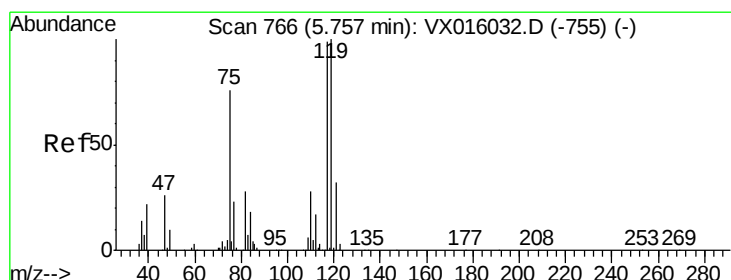
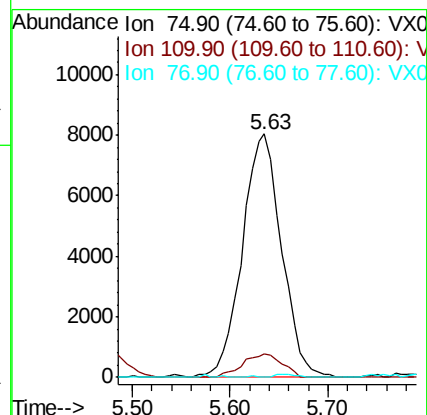
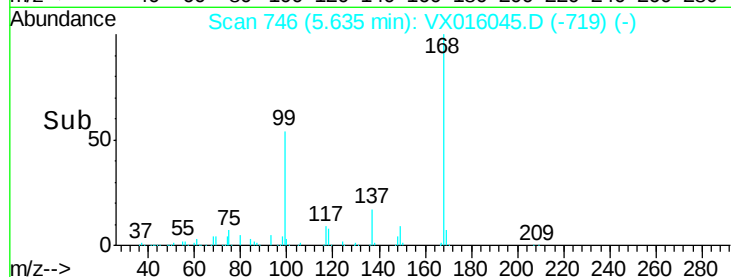
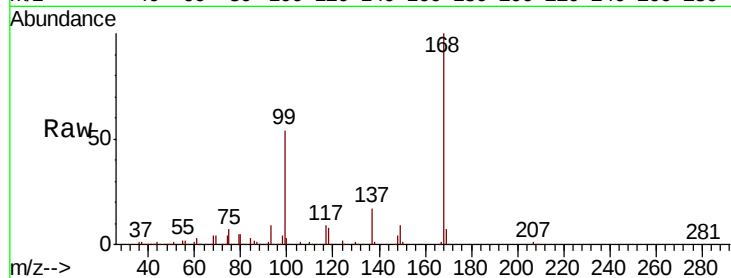
Tot Ion: 75 Resp: 22308

Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.1#

77 0.1 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.887 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016045.D

Acq: 04 May 2020 19:01

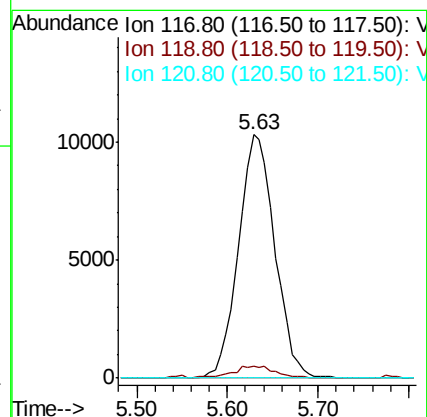
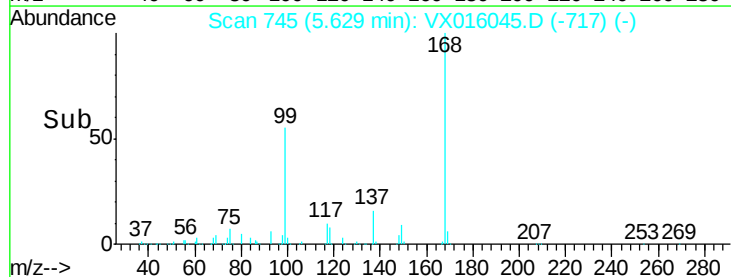
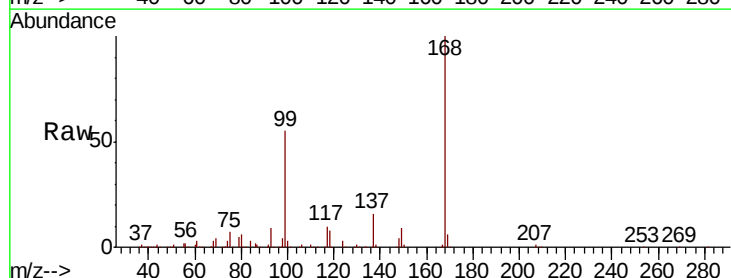
Tgt Ion: 117 Resp: 28632

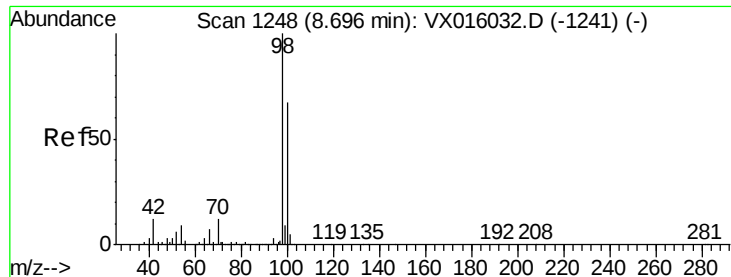
Ion Ratio Lower Upper

117 100

119 5.1 80.3 120.5#

121 0.0 25.7 38.5#





#50

Toluene-d8

Concen: 49.987 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016045.D

Acq: 04 May 2020 19:01

Instrument :

MSVOA_X

ClientSampleId :

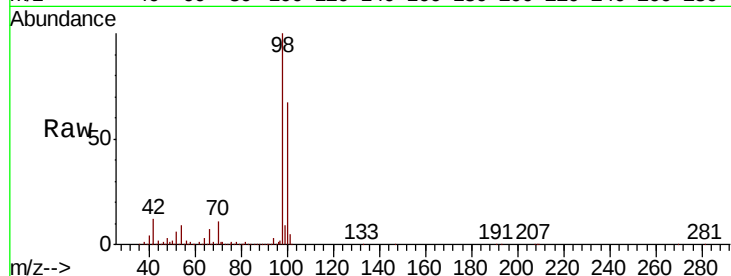
SA-SW125-20200428

Tot Ion: 98 Resp: 593168

Ion Ratio Lower Upper

98 100

100 67.4 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.70

400000

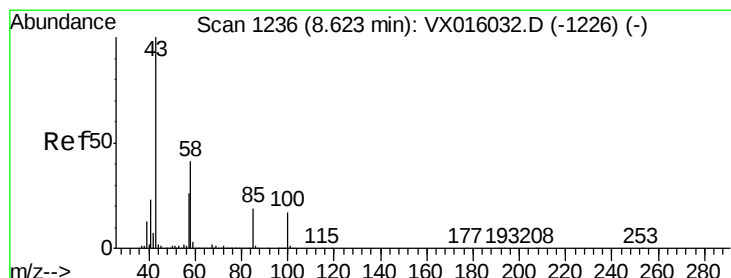
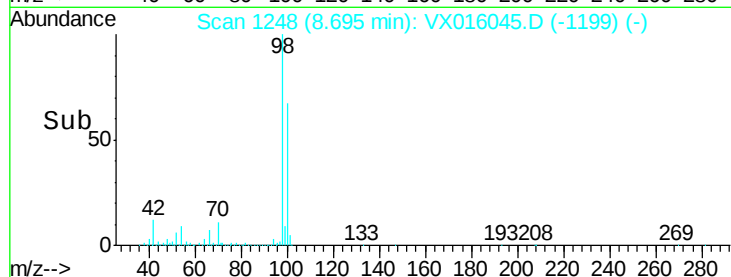
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.489 ug/l

RT: 8.69 min Scan# 1247

Delta R.T. 0.07 min

Lab File: VX016045.D

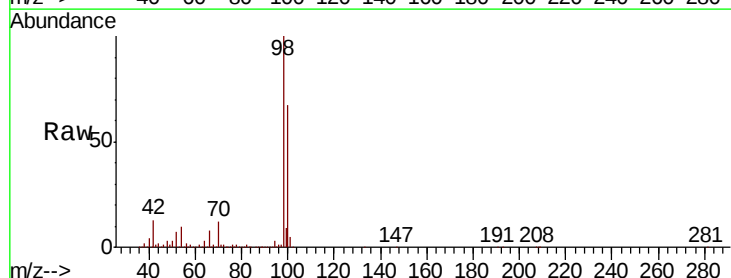
Acq: 04 May 2020 19:01

Tgt Ion: 43 Resp: 2650

Ion Ratio Lower Upper

43 100

58 190.4 33.0 49.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

4000

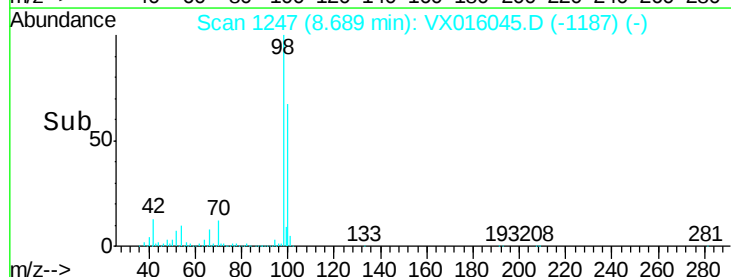
3000

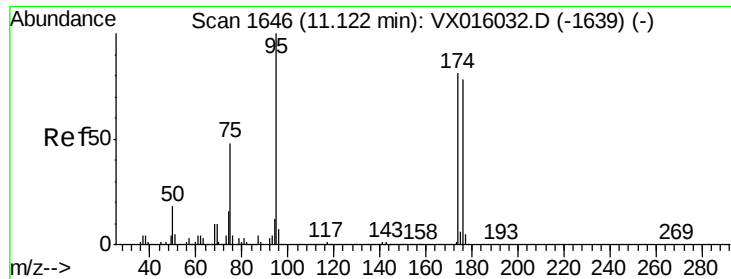
2000

1000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 53.721 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016045.D

Acq: 04 May 2020 19:01

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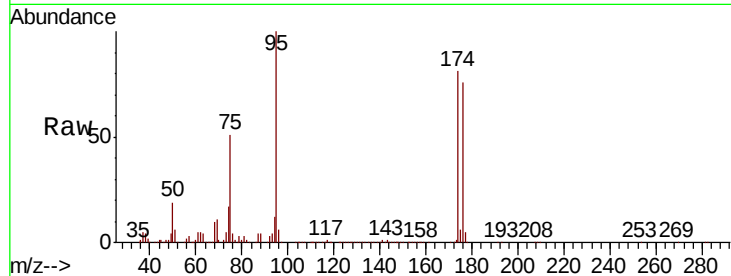
Tot Ion: 95 Resp: 242468

Ion Ratio Lower Upper

95 100

174 81.4 0.0 159.4

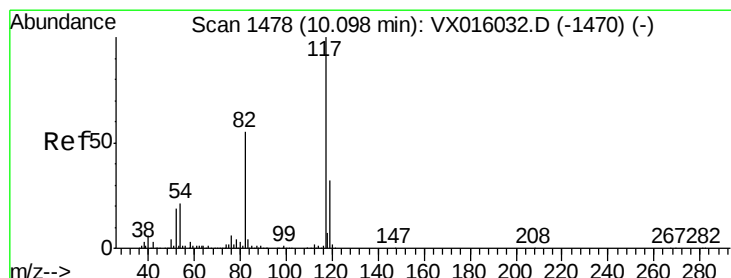
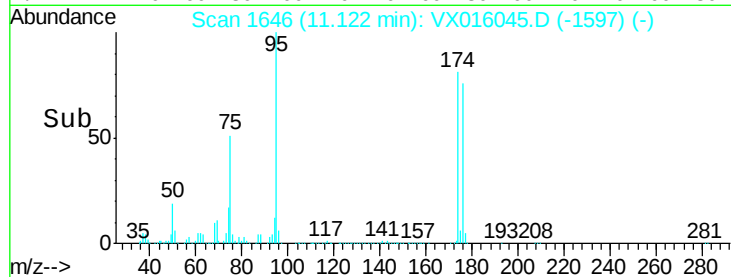
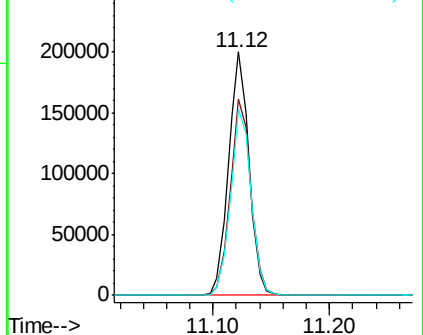
176 77.8 0.0 157.6



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: VX016045.D

Acq: 04 May 2020 19:01

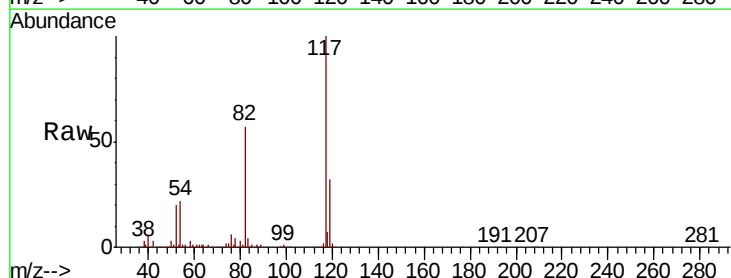
Tgt Ion: 117 Resp: 480004

Ion Ratio Lower Upper

117 100

82 57.2 44.4 66.6

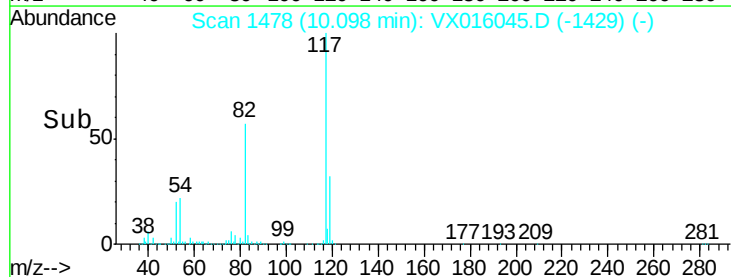
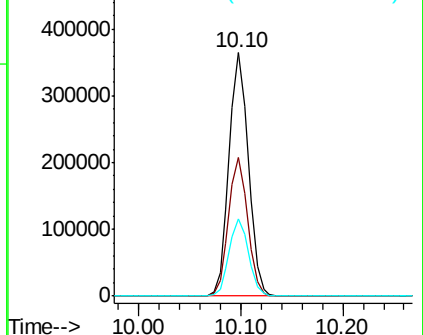
119 31.9 25.5 38.3

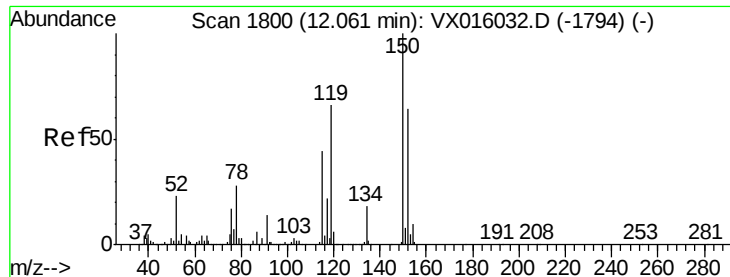


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX016045.D

Acq: 04 May 2020 19:01

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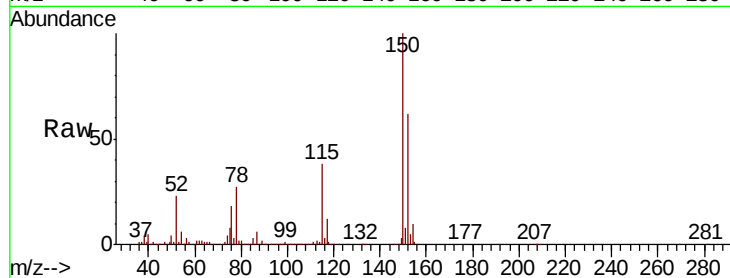
Tot Ion:152 Resp: 245705

Ion Ratio Lower Upper

152 100

115 59.3 41.3 124.1

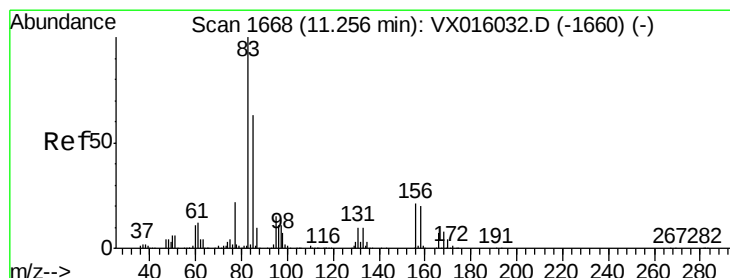
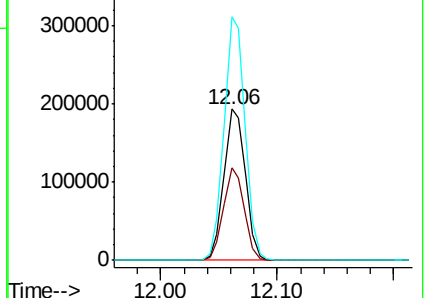
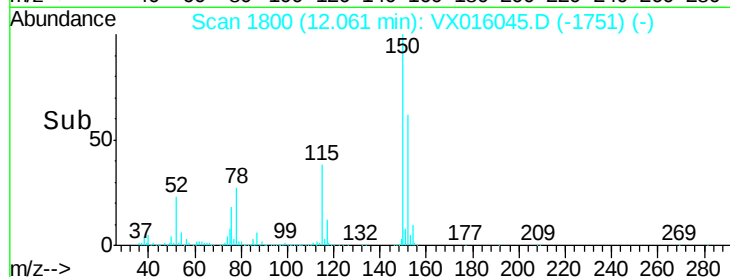
150 158.3 0.0 352.2



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: 4.868 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016045.D

Acq: 04 May 2020 19:01

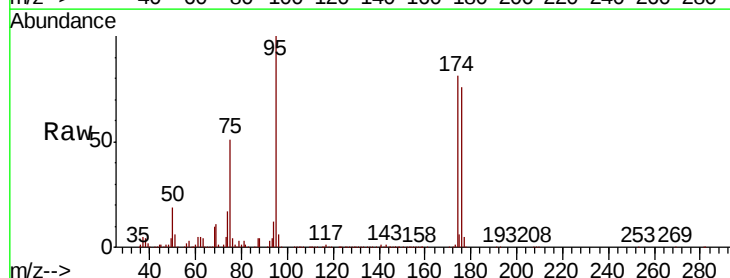
Tgt Ion: 83 Resp: 242

Ion Ratio Lower Upper

83 100

131 144.2 5.1 15.4#

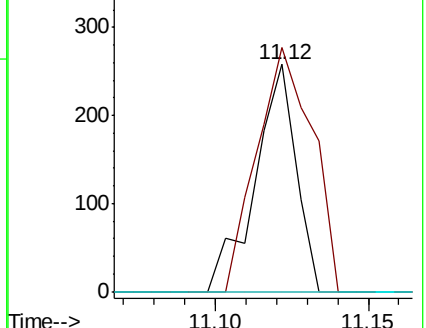
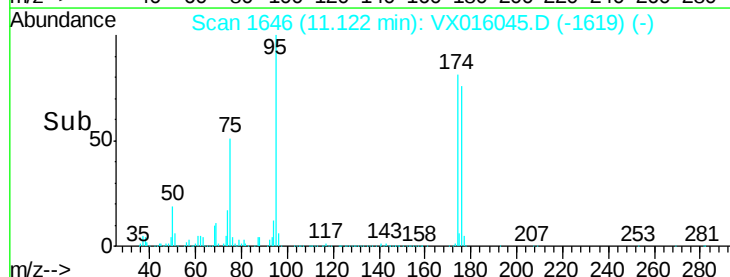
85 0.0 32.0 96.0#

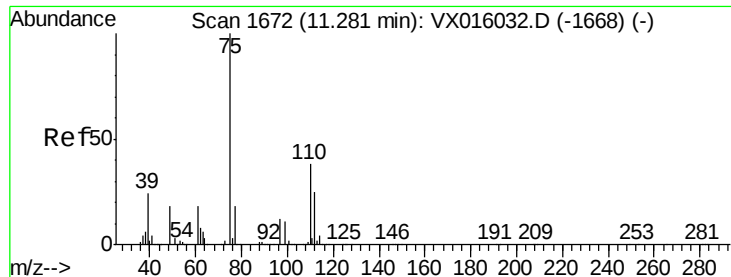


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 22.392 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016045.D

Acq: 04 May 2020 19:01

Instrument :

MSVOA_X

ClientSampleId :

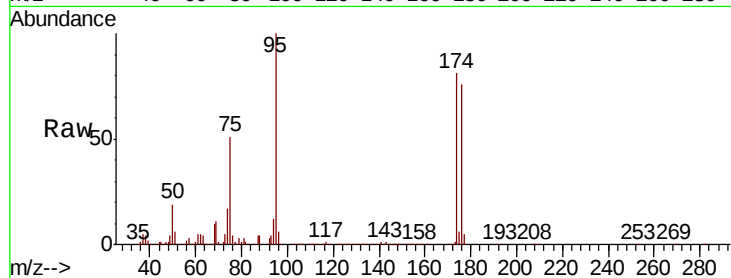
SA-SW125-20200428

Tot Ion: 75 Resp: 124847

Ion Ratio Lower Upper

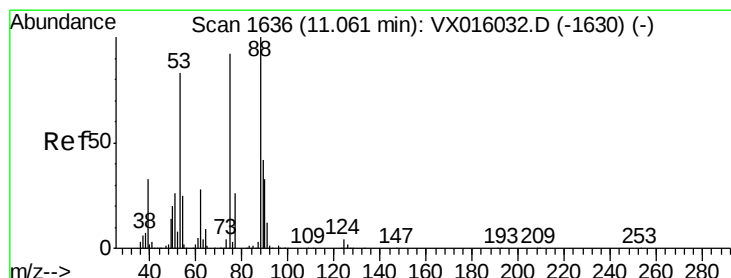
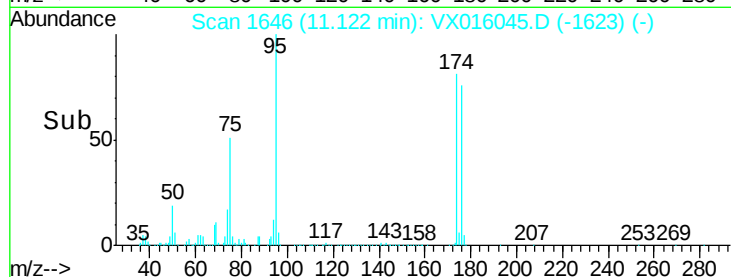
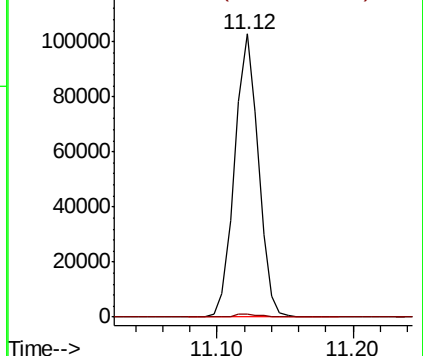
75 100

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: 53.361 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016045.D

Acq: 04 May 2020 19:01

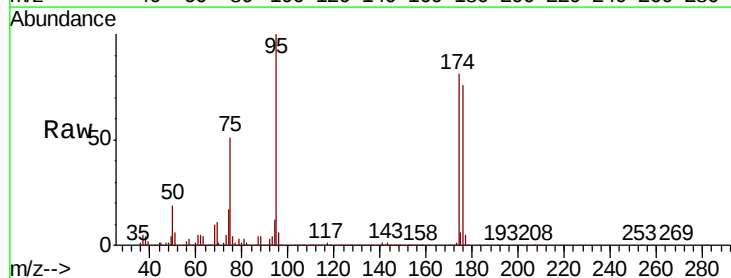
Tgt Ion: 75 Resp: 124847

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

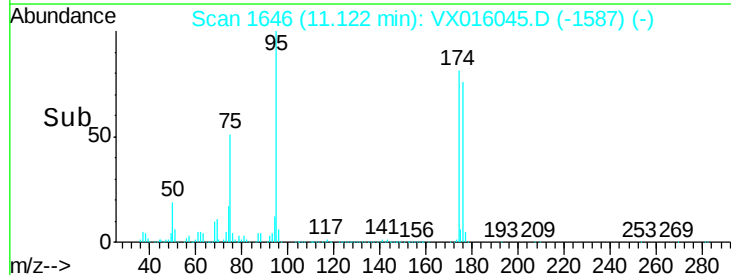
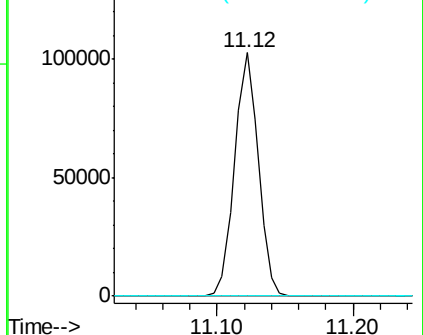
89 0.0 36.7 55.1#

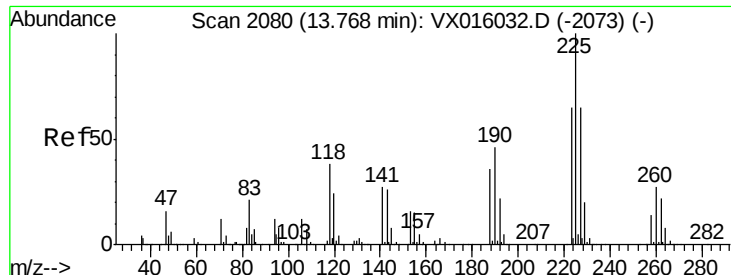


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#94

Hexachlorobutadiene

Concen: 0.619 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016045.D

Acq: 04 May 2020 19:01

Instrument :

MSVOA_X

ClientSampleId :

SA-SW125-20200428

Tot Ion: 225 Resp: 245

Ion Ratio Lower Upper

225 100

223 60.4 32.3 96.9

227 45.7 31.8 95.4

