

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
 Data File : VX012284.D
 Acq On : 11 Sep 2019 05:28
 Operator : SY/SP
 Sample : K4680-15
 Misc : 6.75g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-2-(1.5)

Quant Time: Sep 11 07:37:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	155691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	277066	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	230670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	89454	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	108861	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
35) Dibromofluoromethane	5.49	113	81803	46.06	ug/l	0.00
Spiked Amount			Recovery	=	92.12%	
50) Toluene-d8	8.71	98	321689	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	11.13	95	114690	39.71	ug/l	0.00
Spiked Amount			Recovery	=	79.42%	

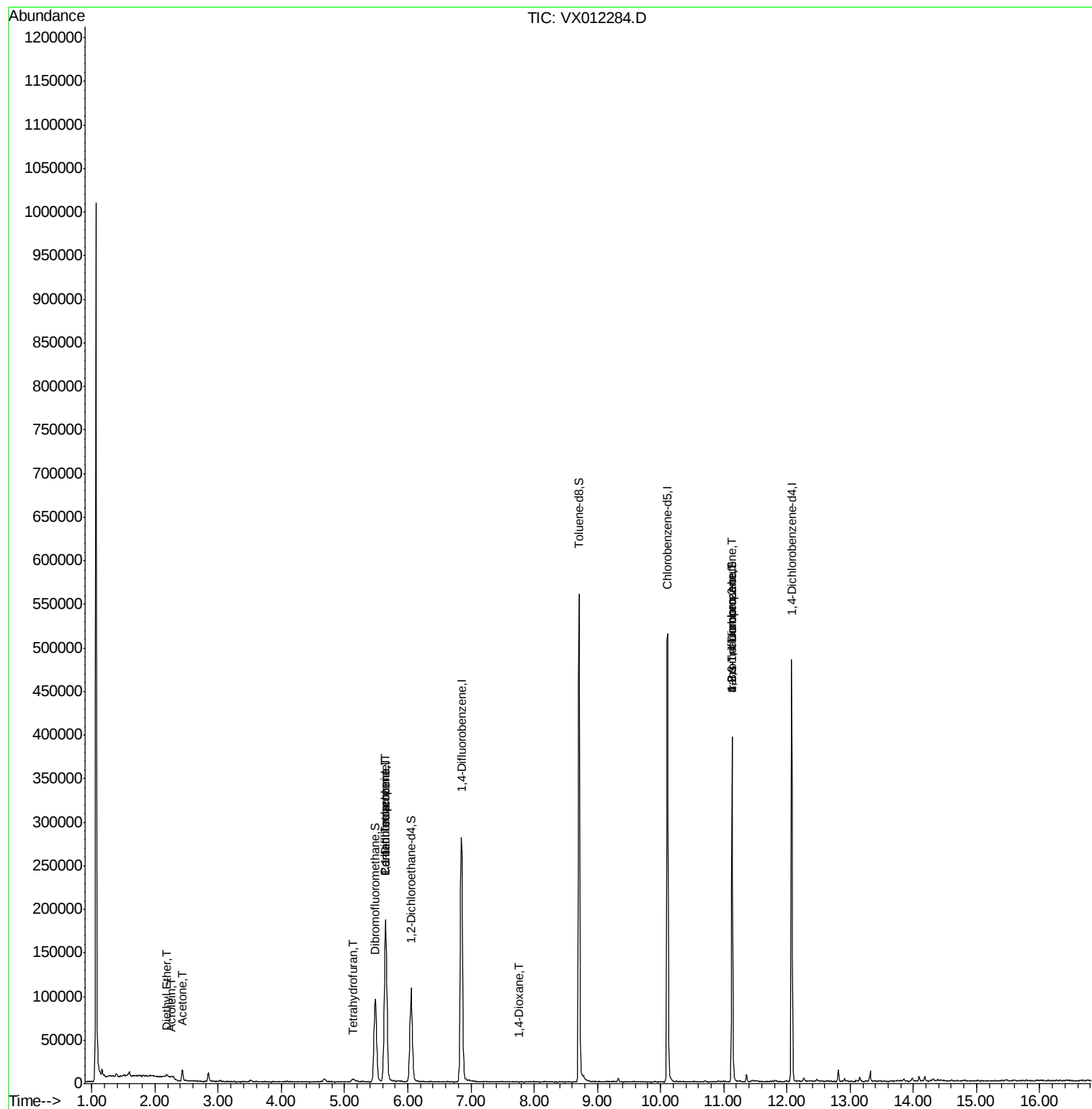
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	444	Below Cal	#	79
8) Diethyl Ether	2.17	74	986	1.403	ug/l	91
11) Tert butyl alcohol	3.03	59	1576	Below Cal	#	63
13) Acrolein	2.26	56	132	1.147	ug/l #	27
16) Acetone	2.43	43	13358	25.635	ug/l	96
20) Methylene Chloride	2.84	84	3926	Below Cal		92
29) Tetrahydrofuran	5.13	42	2913	8.105	ug/l #	83
36) 1,1-Dichloropropene	5.65	75	14583	7.218	ug/l #	53
38) Carbon Tetrachloride	5.65	117	18994	8.013	ug/l #	14
49) 1,4-Dioxane	7.75	88	42	2.470	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	61403	53.433	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	61403	160.096	ug/l #	5

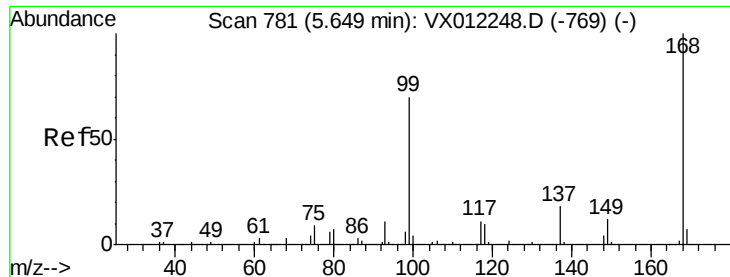
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012284.D

Acq: 11 Sep 2019 05:28

Instrument :

MSVOA_X

ClientSampleId :

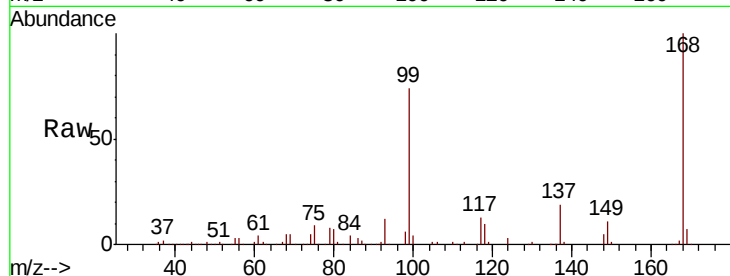
T3-2-(1.5)

Tgt Ion:168 Resp: 155691

Ion Ratio Lower Upper

168 100

99 73.6 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

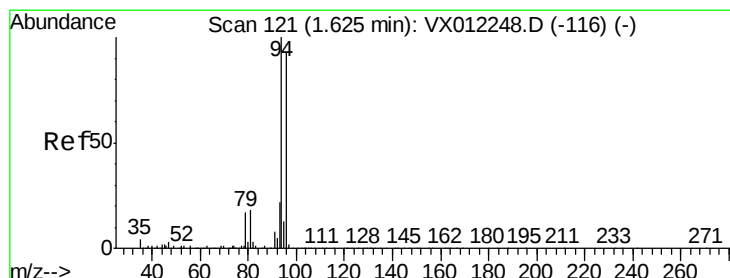
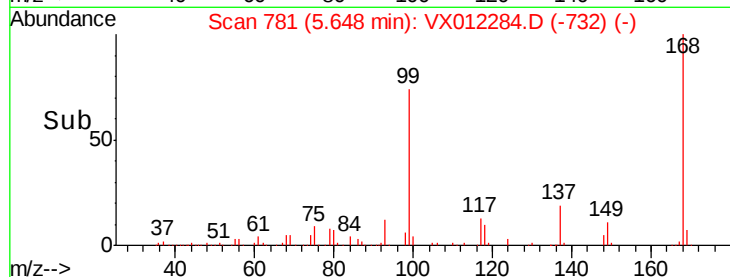
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012284.D

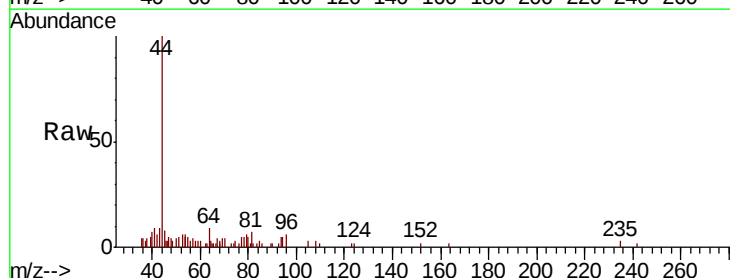
Acq: 11 Sep 2019 05:28

Tgt Ion: 94 Resp: 444

Ion Ratio Lower Upper

94 100

96 72.0 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

250

200

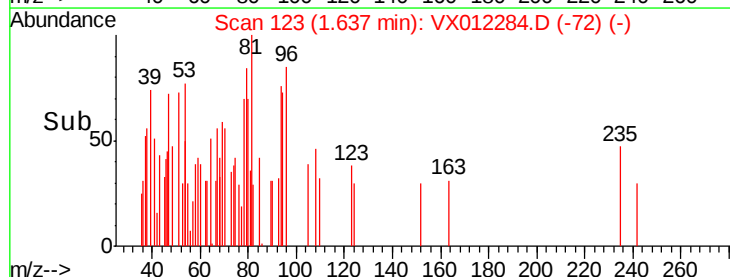
150

100

50

0

Time--> 1.60 1.65

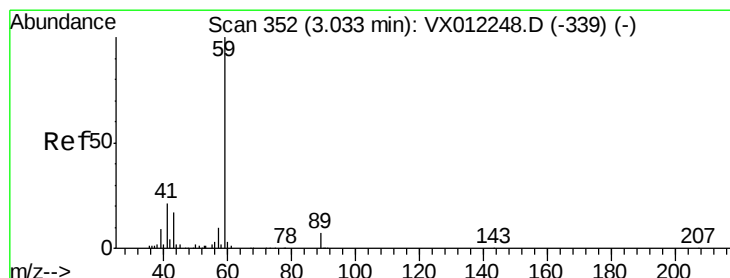
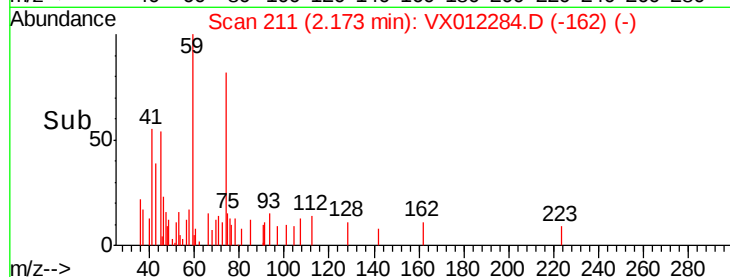
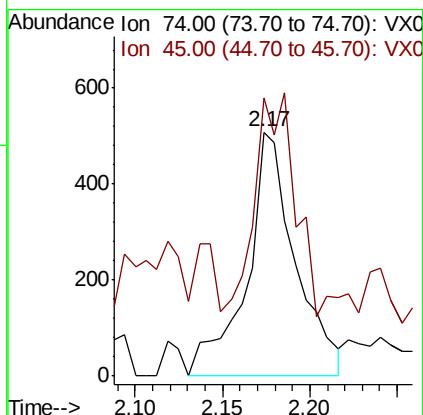
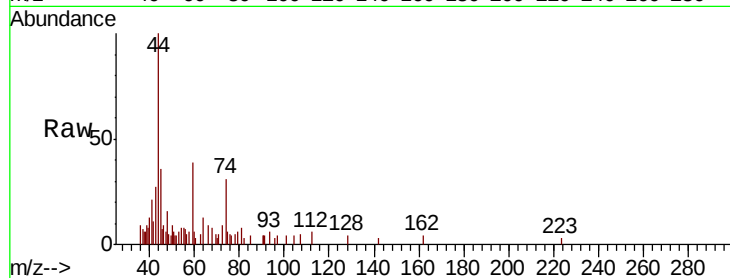




#8
Diethyl Ether
Concen: 1.403 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012284.D
Acq: 11 Sep 2019 05:28

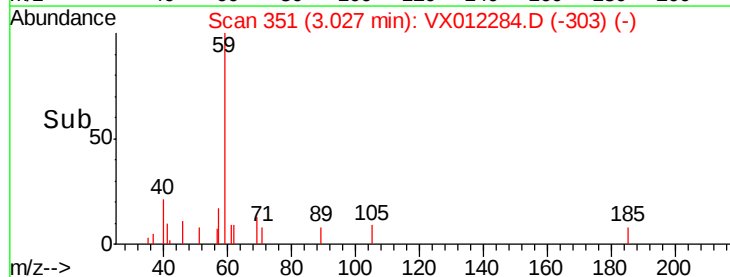
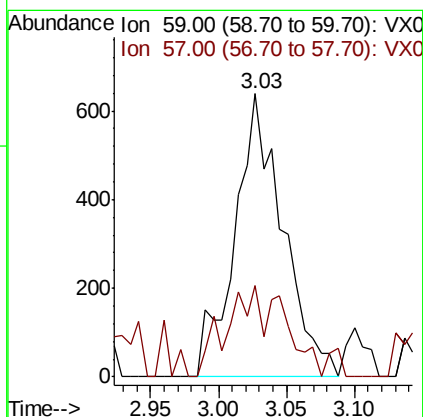
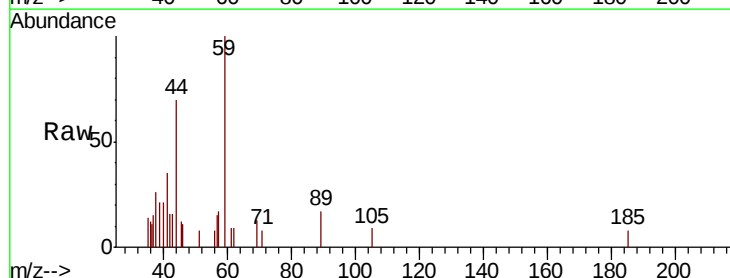
Instrument :
MSVOA_X
ClientSampled :
T3-2-(1.5)

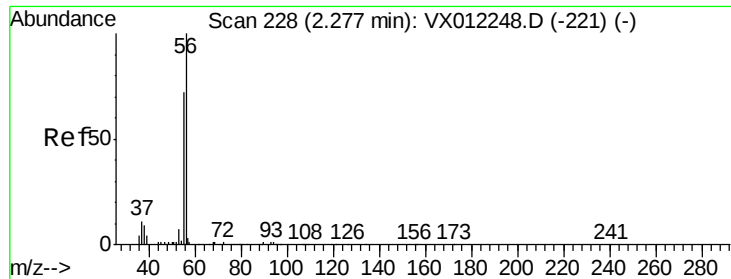
Tgt Ion: 74 Resp: 986
Ion Ratio Lower Upper
74 100
45 93.7 51.3 153.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012284.D
Acq: 11 Sep 2019 05:28

Tgt Ion: 59 Resp: 1576
Ion Ratio Lower Upper
59 100
57 23.4 7.8 11.6#





#13

Acrolein

Concen: 1.147 ug/l

RT: 2.26 min Scan# 225

Delta R.T. -0.02 min

Lab File: VX012284.D

Acq: 11 Sep 2019 05:28

Instrument :

MSVOA_X

ClientSampled :

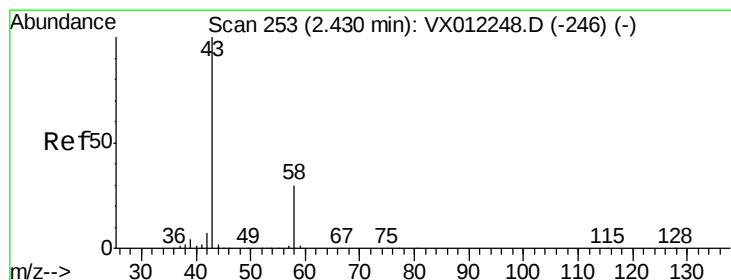
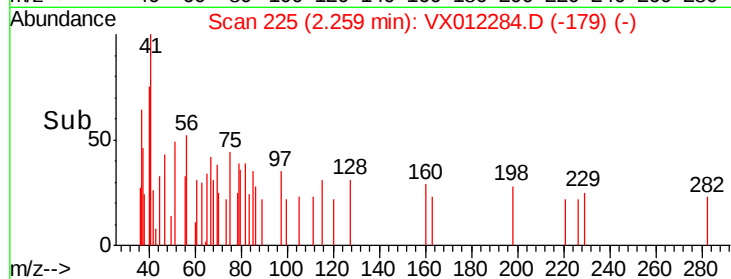
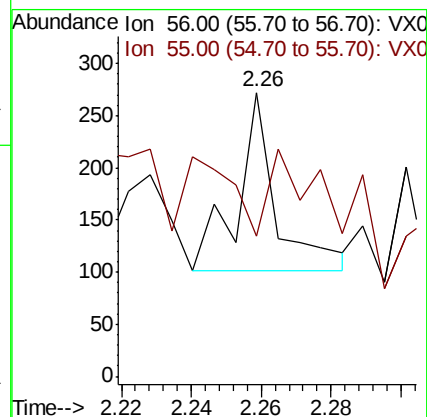
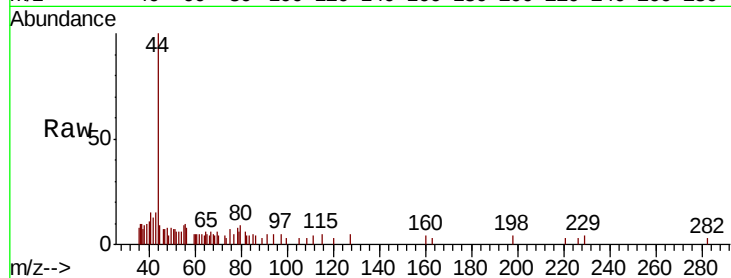
T3-2-(1.5)

Tgt Ion: 56 Resp: 132

Ion Ratio Lower Upper

56 100

55 137.1 59.8 89.6#



#16

Acetone

Concen: 25.635 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012284.D

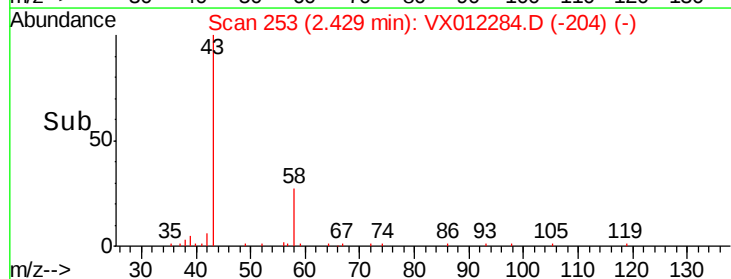
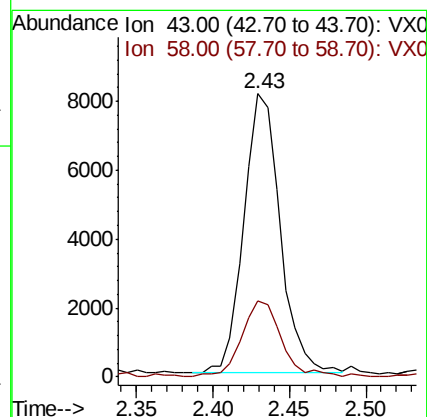
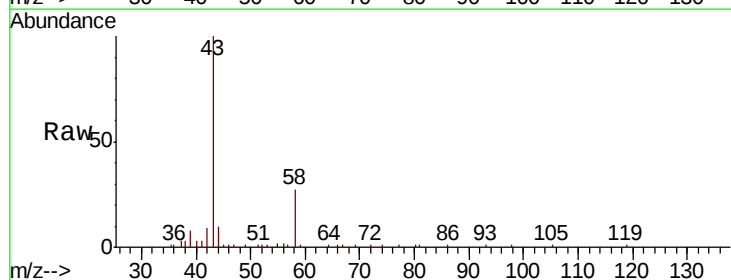
Acq: 11 Sep 2019 05:28

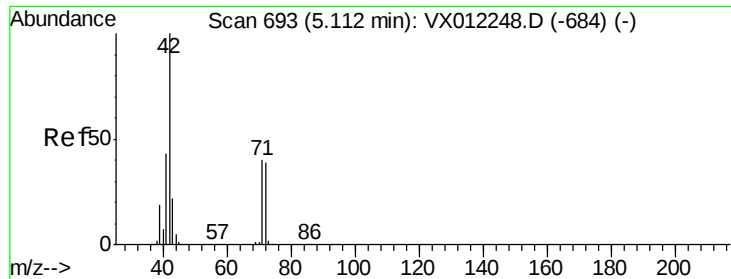
Tgt Ion: 43 Resp: 13358

Ion Ratio Lower Upper

43 100

58 27.4 23.6 35.4

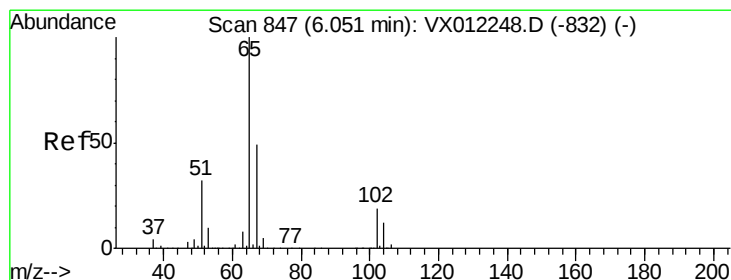
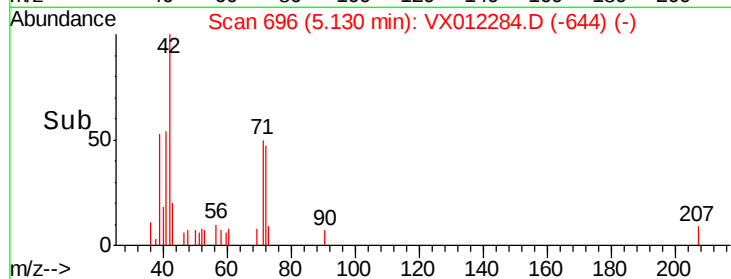
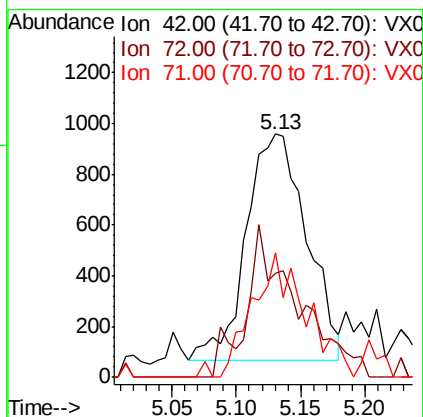
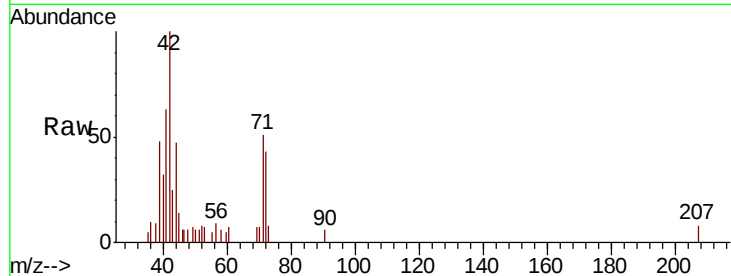




#29
Tetrahydrofuran
Concen: 8.105 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012284.D
Acq: 11 Sep 2019 05:28

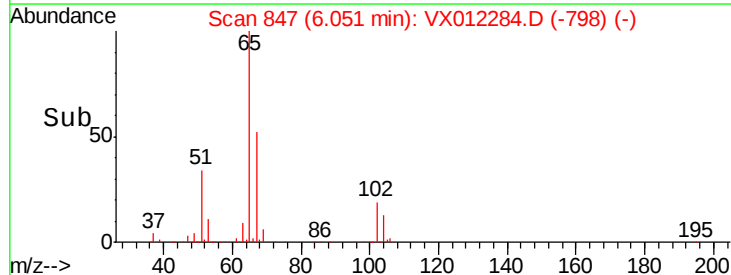
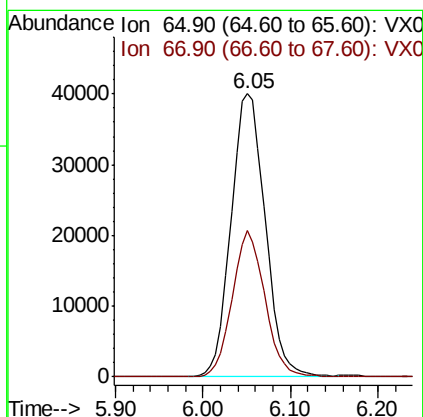
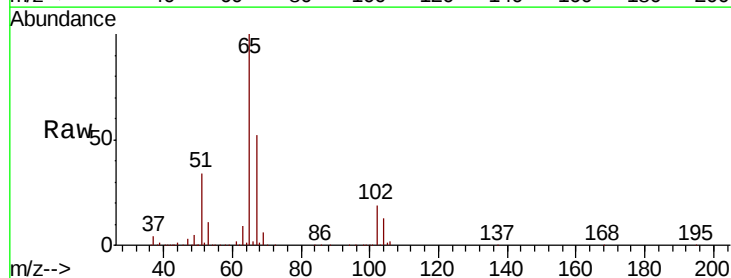
Instrument :
MSVOA_X
ClientSampled :
T3-2-(1.5)

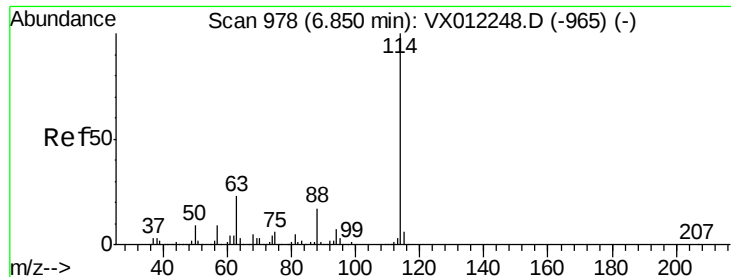
Tgt Ion: 42 Resp: 2913
Ion Ratio Lower Upper
42 100
72 57.1 35.2 52.8#
71 48.8 32.5 48.7#



#33
1,2-Dichloroethane-d4
Concen: 49.456 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012284.D
Acq: 11 Sep 2019 05:28

Tgt Ion: 65 Resp: 108861
Ion Ratio Lower Upper
65 100
67 49.1 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012284.D

Acq: 11 Sep 2019 05:28

Instrument :

MSVOA_X

ClientSampleId :

T3-2-(1.5)

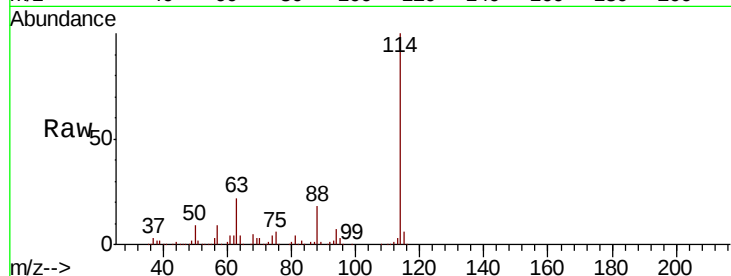
Tgt Ion:114 Resp: 277066

Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.2

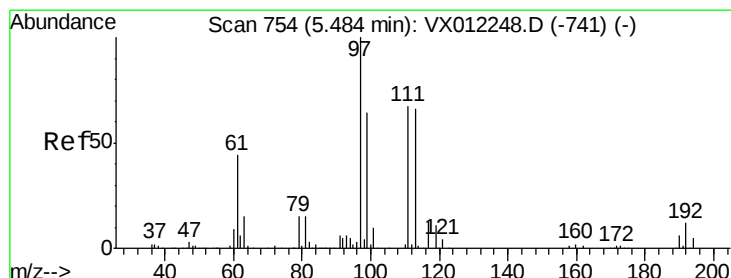
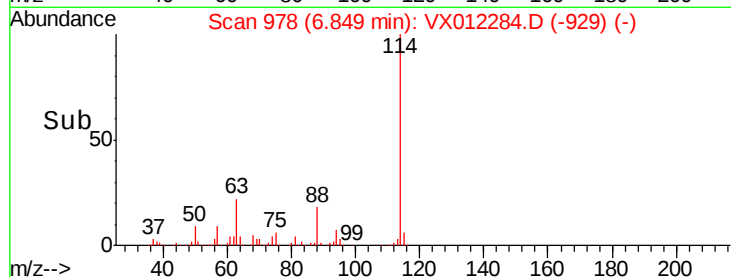
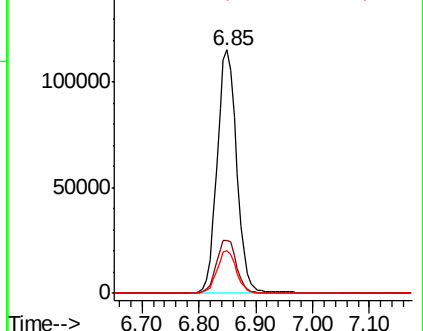
88 17.7 0.0 34.8



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: 46.057 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX012284.D

Acq: 11 Sep 2019 05:28

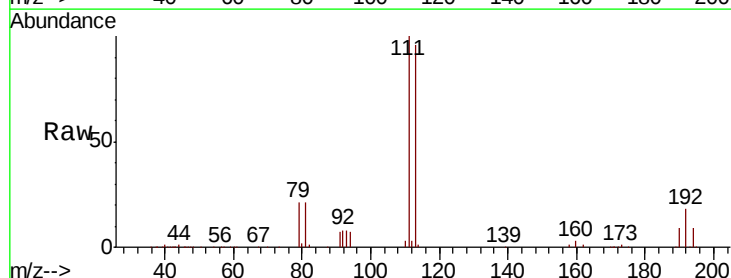
Tgt Ion:113 Resp: 81803

Ion Ratio Lower Upper

113 100

111 100.7 83.0 124.6

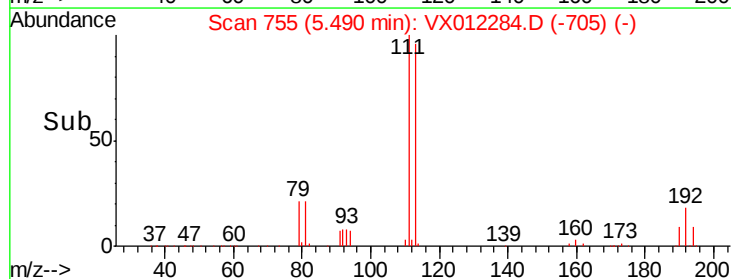
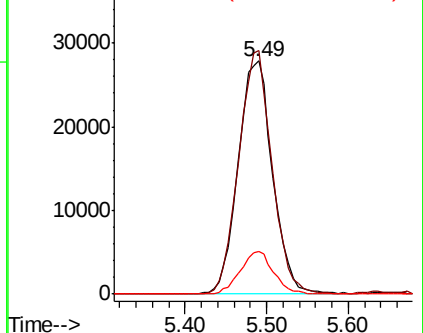
192 17.6 14.3 21.5

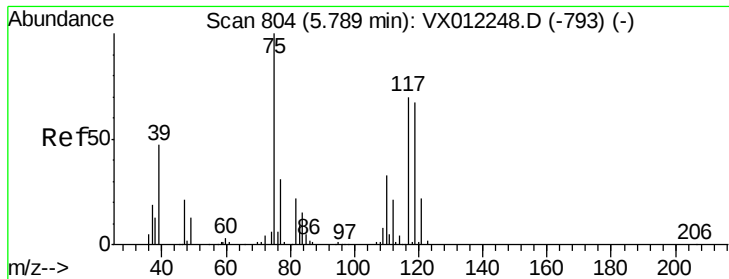


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 7.218 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012284.D

Acq: 11 Sep 2019 05:28

Instrument :

MSVOA_X

ClientSampleId :

T3-2-(1.5)

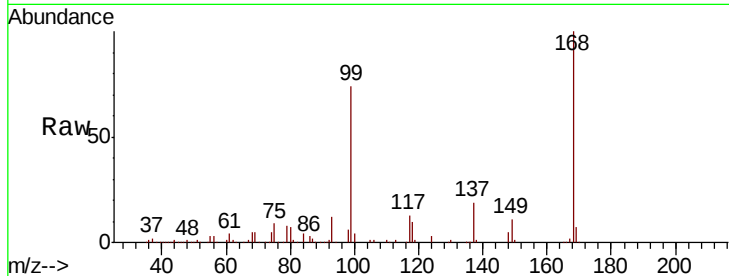
Tgt Ion: 75 Resp: 14583

Ion Ratio Lower Upper

75 100

110 10.9 16.8 50.4#

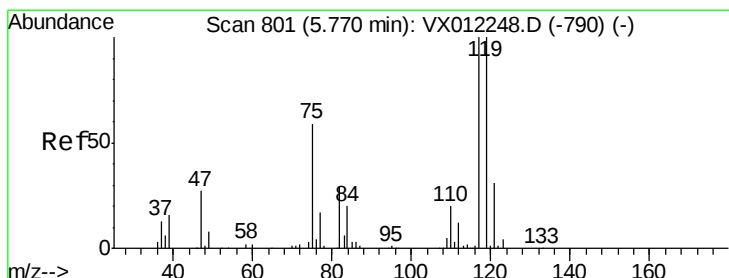
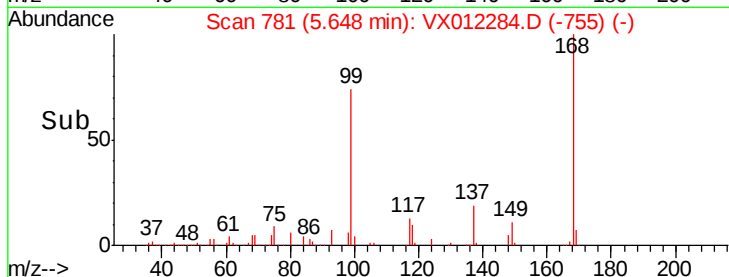
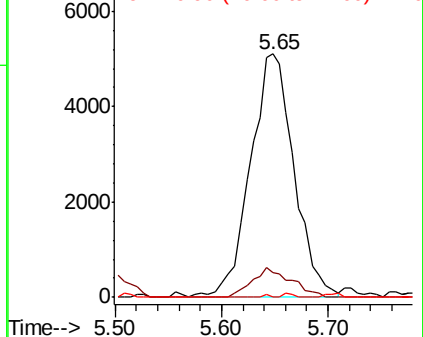
77 0.1 24.5 36.7#



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: 8.013 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012284.D

Acq: 11 Sep 2019 05:28

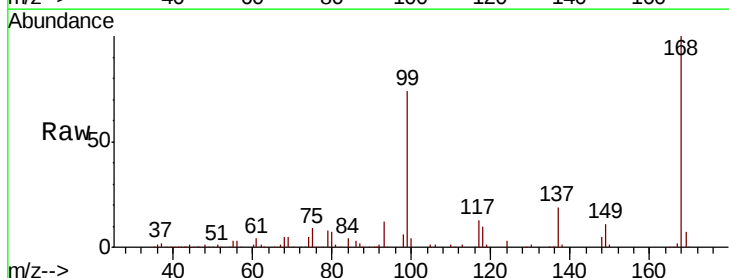
Tgt Ion: 117 Resp: 18994

Ion Ratio Lower Upper

117 100

119 5.0 79.6 119.4#

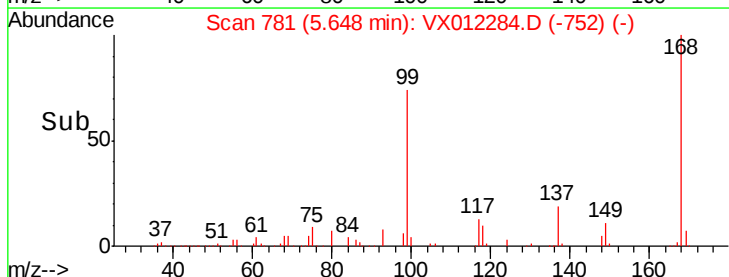
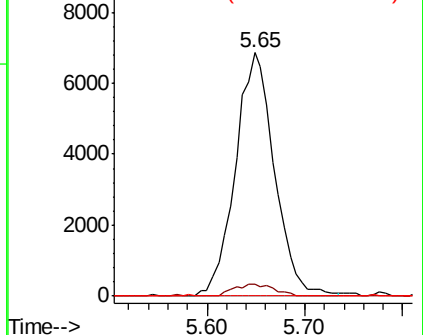
121 0.0 24.7 37.1#

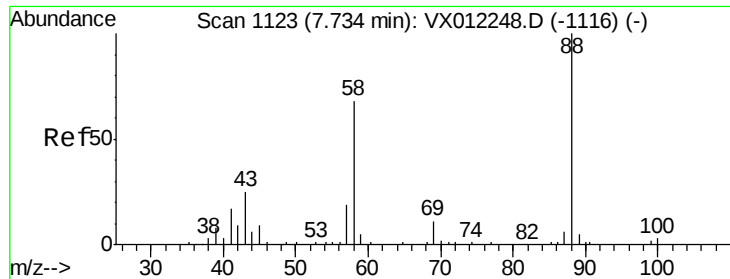


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



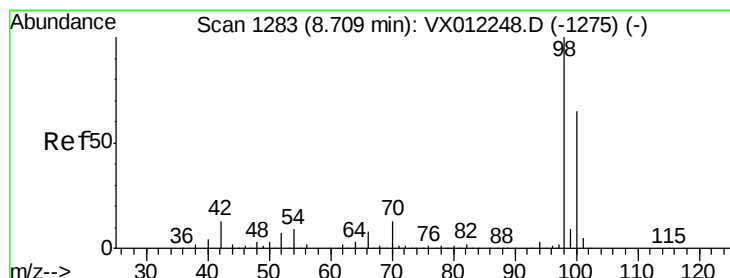
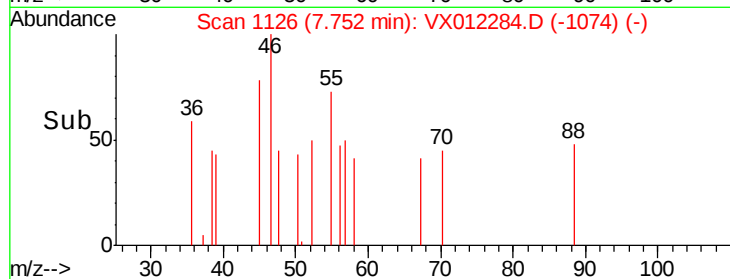
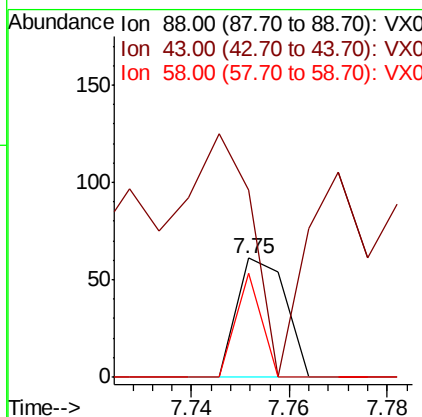
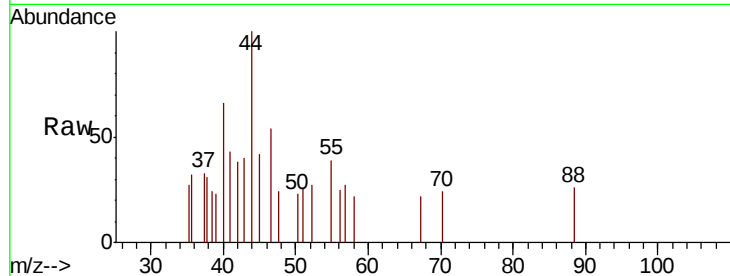


#49
 1,4-Dioxane
 Concen: 2.470 ug/l
 RT: 7.75 min Scan# 1126
 Delta R.T. 0.02 min
 Lab File: VX012284.D
 Acq: 11 Sep 2019 05:28

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-2-(1.5)

Tgt Ion: 88 Resp: 42

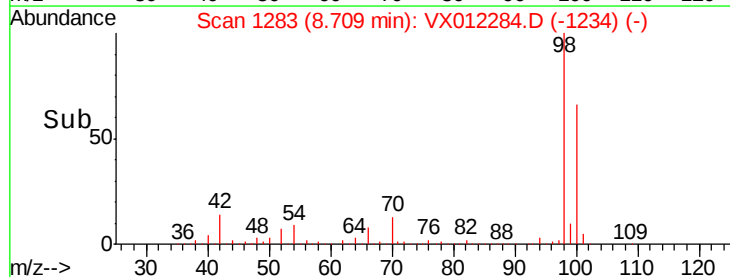
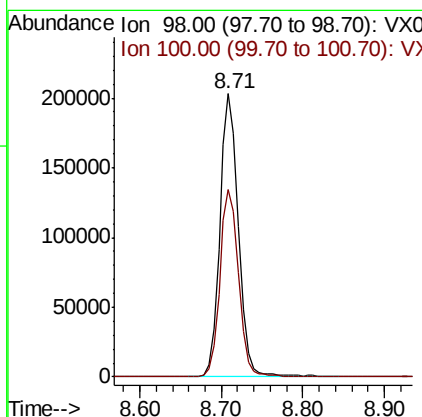
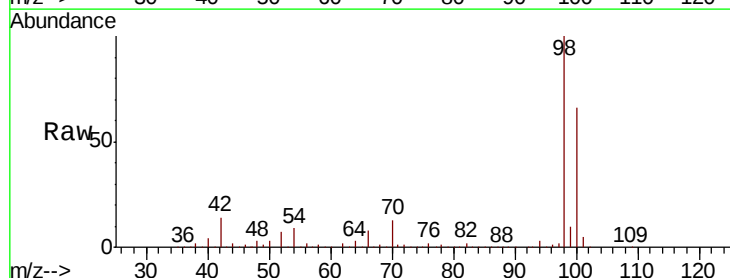
Ion	Ratio	Lower	Upper
88	100		
43	271.4	31.0	46.4#
58	45.2	61.5	92.3#

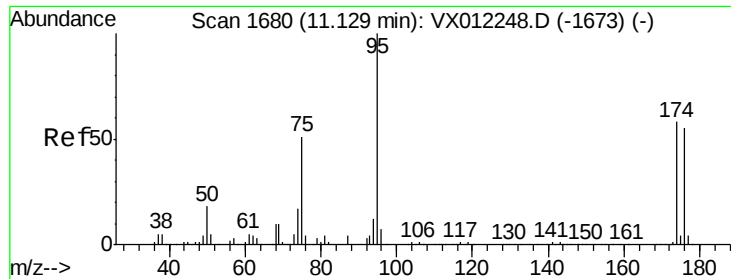


#50
 Toluene-d8
 Concen: 51.640 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012284.D
 Acq: 11 Sep 2019 05:28

Tgt Ion: 98 Resp: 321689

Ion	Ratio	Lower	Upper
98	100		
100	67.2	54.1	81.1





#62

4-Bromofluorobenzene

Concen: 39.713 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX012284.D

Acq: 11 Sep 2019 05:28

Instrument :

MSVOA_X

ClientSampled :

T3-2-(1.5)

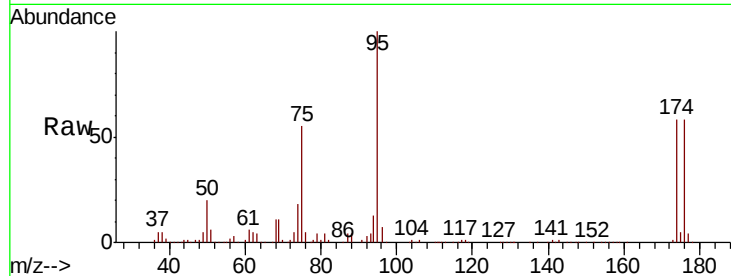
Tgt Ion: 95 Resp: 114690

Ion Ratio Lower Upper

95 100

174 65.4 0.0 127.0

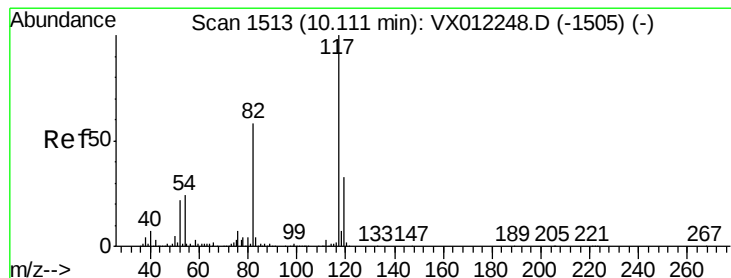
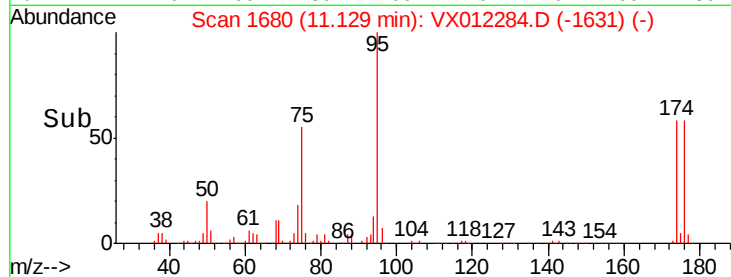
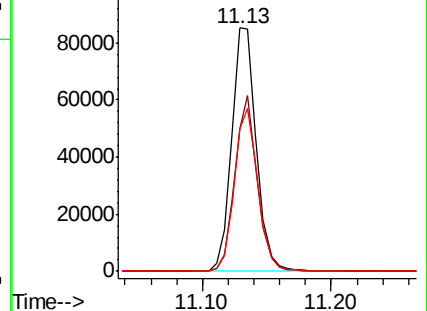
176 63.9 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX012284.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX012284.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX012284.D (-1673) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012284.D

Acq: 11 Sep 2019 05:28

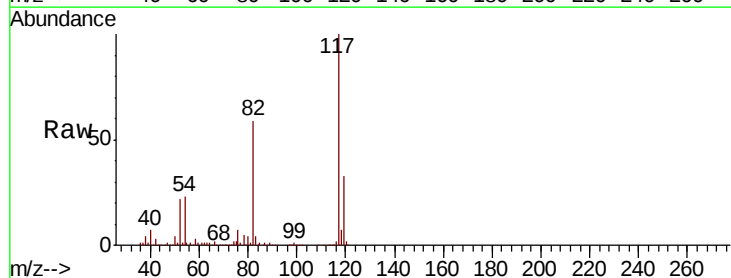
Tgt Ion: 117 Resp: 230670

Ion Ratio Lower Upper

117 100

82 59.3 46.4 69.6

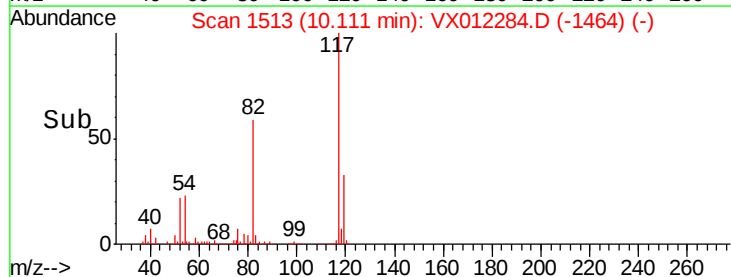
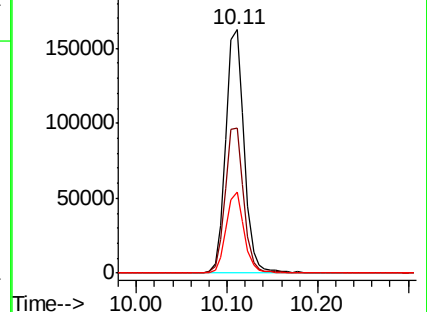
119 33.5 26.6 39.8

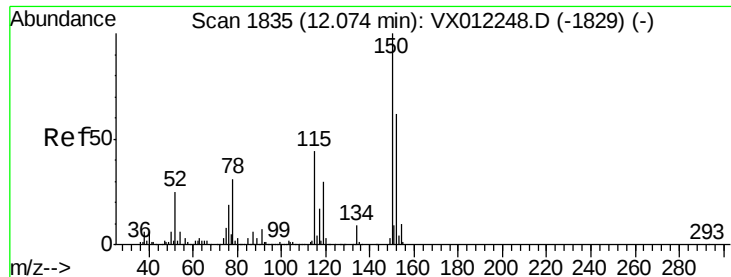


Abundance Ion 116.90 (116.60 to 117.60): VX012284.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012284.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012284.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012284.D

Acq: 11 Sep 2019 05:28

Instrument :

MSVOA_X

ClientSampleId :

T3-2-(1.5)

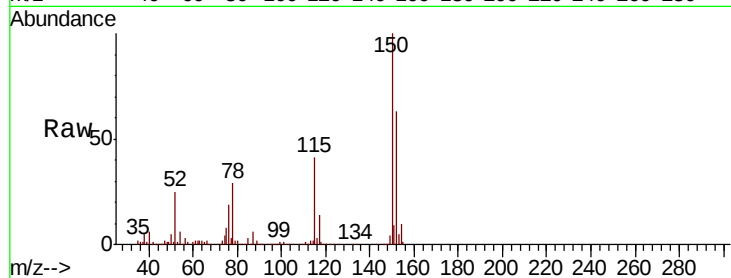
Tgt Ion:152 Resp: 89454

Ion Ratio Lower Upper

152 100

115 65.3 45.5 136.4

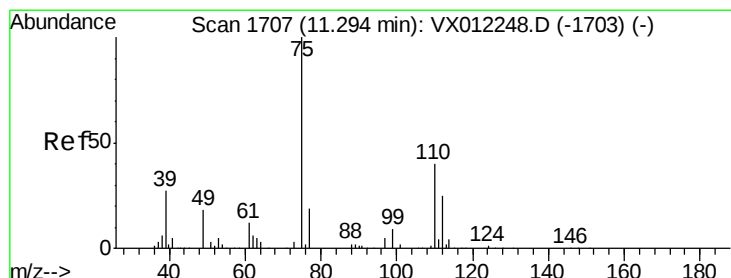
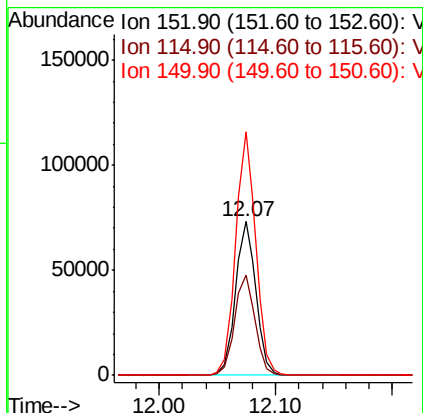
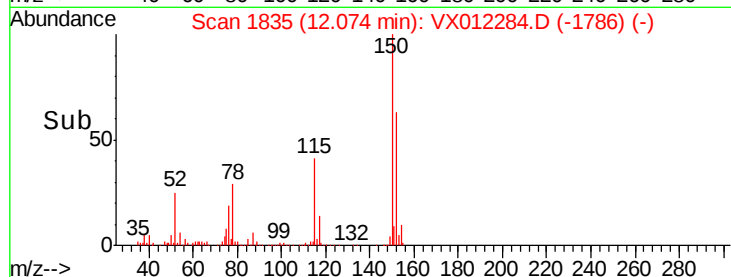
150 156.1 0.0 346.4



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



#76

1,2,3-Trichloropropane

Concen: 53.433 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012284.D

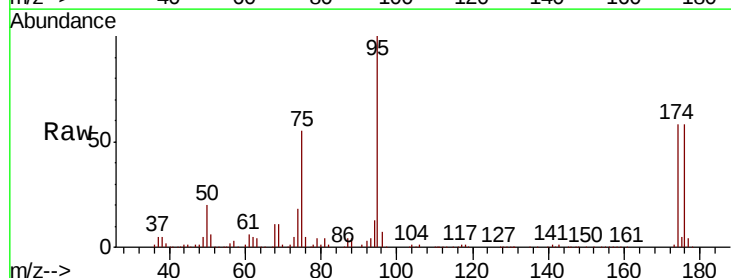
Acq: 11 Sep 2019 05:28

Tgt Ion: 75 Resp: 61403

Ion Ratio Lower Upper

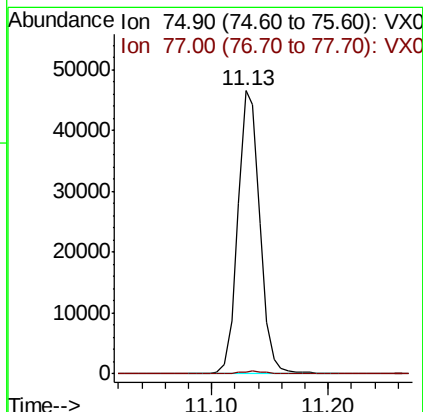
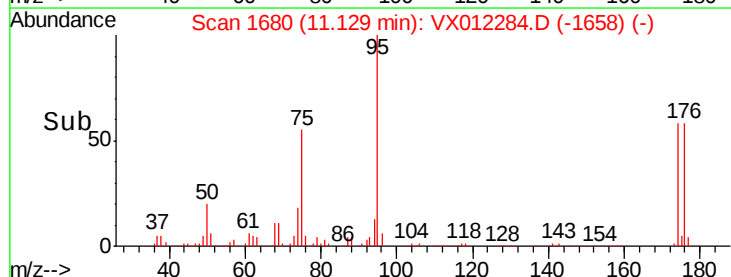
75 100

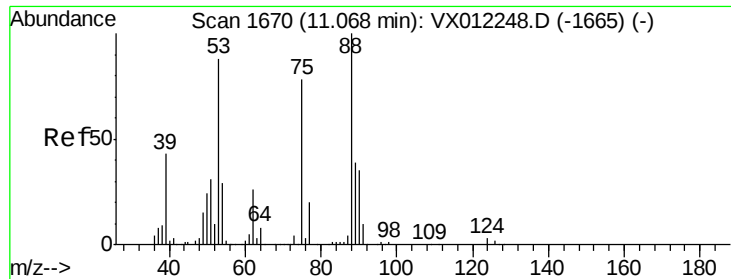
77 1.2 19.7 59.0#



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: 160.096 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012284.D

Acq: 11 Sep 2019 05:28

Instrument :

MSVOA_X

ClientSampleId :

T3-2-(1.5)

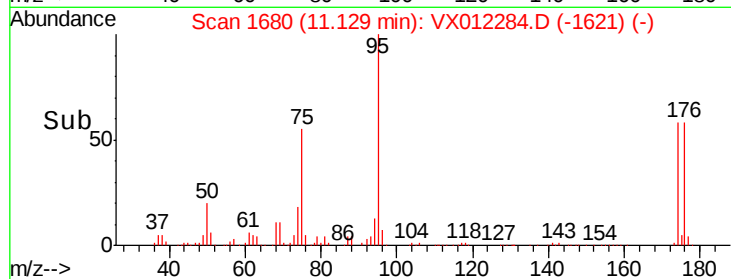
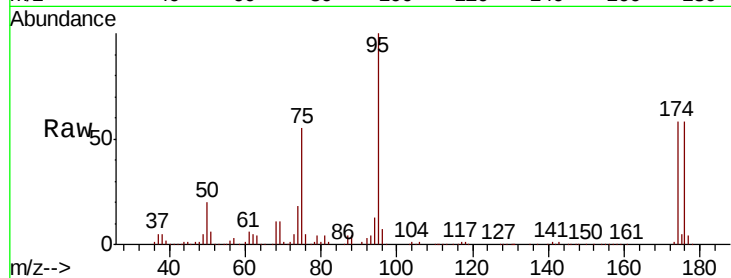
Tgt Ion: 75 Resp: 61403

Ion Ratio Lower Upper

75 100

53 0.2 88.1 132.1#

89 0.0 43.5 65.3#



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

