

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091219\
 Data File : VX012342.D
 Acq On : 12 Sep 2019 11:45
 Operator : SY/SP
 Sample : K4716-03
 Misc : 5.60g/5.0mL/MSVOA X/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 12 12:55:30 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	150114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	261949	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	104303	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	106071	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
35) Dibromofluoromethane	5.48	113	78389	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	
50) Toluene-d8	8.71	98	309556	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
62) 4-Bromofluorobenzene	11.14	95	121002	44.32	ug/l	0.00
Spiked Amount			Recovery	=	88.64%	

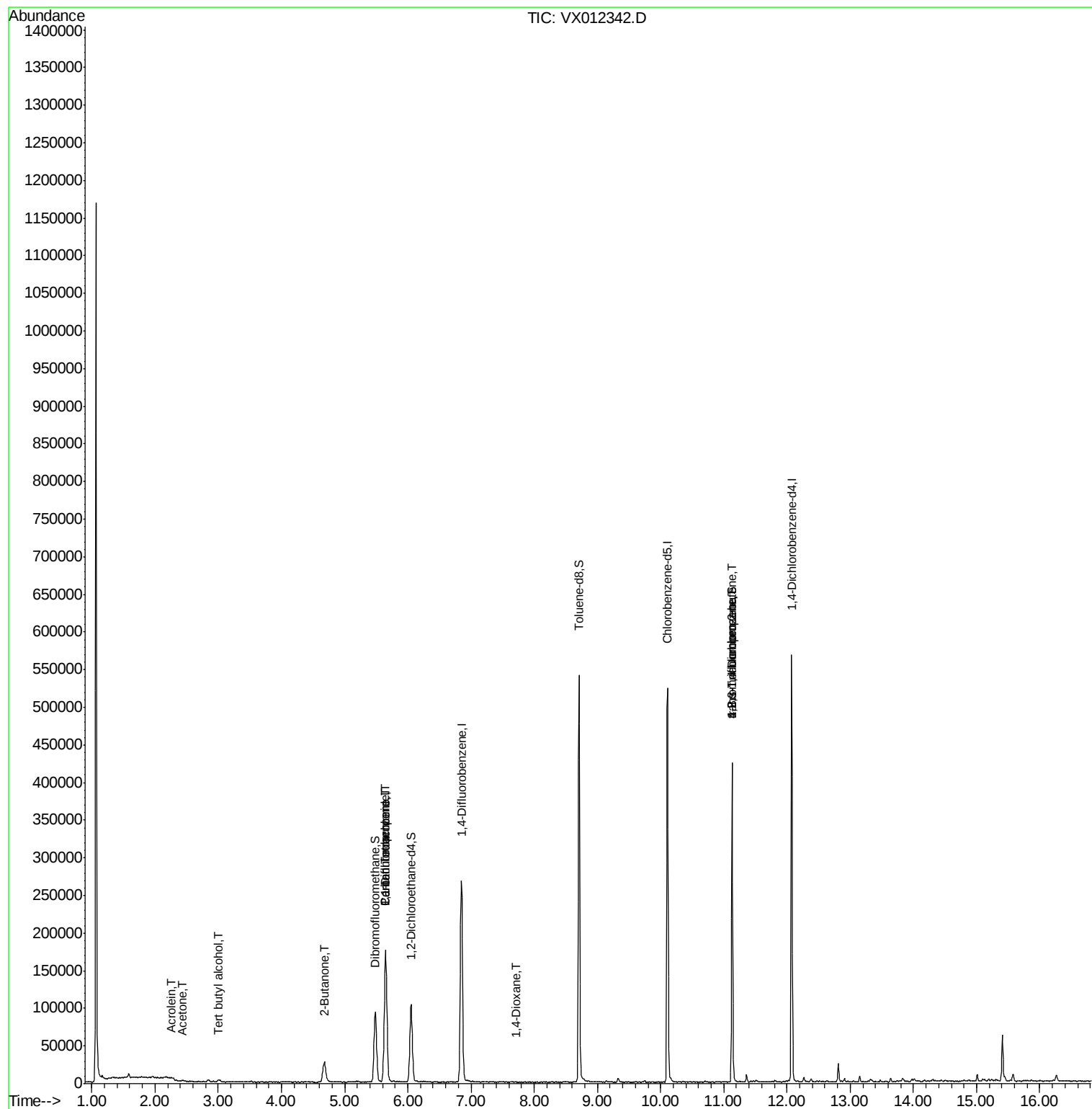
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	304	Below Cal		82
11) Tert butyl alcohol	3.01	59	2646	2.597	ug/l #	78
13) Acrolein	2.26	56	188	1.695	ug/l #	12
16) Acetone	2.43	43	1664	3.312	ug/l	97
20) Methylene Chloride	2.84	84	1130	Below Cal	#	79
25) 2-Butanone	4.69	43	1574	2.451	ug/l	100
36) 1,1-Dichloropropene	5.65	75	13818	7.234	ug/l #	53
38) Carbon Tetrachloride	5.64	117	17012	7.591	ug/l #	13
49) 1,4-Dioxane	7.72	88	80	4.976	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	63640	47.495	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	63640	142.306	ug/l #	5

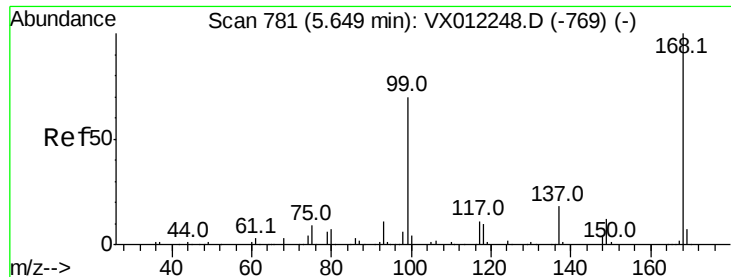
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091219\
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Quant Time: Sep 12 12:55:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012342.D

Acq: 12 Sep 2019 11:45

Instrument :

MSVOA_X

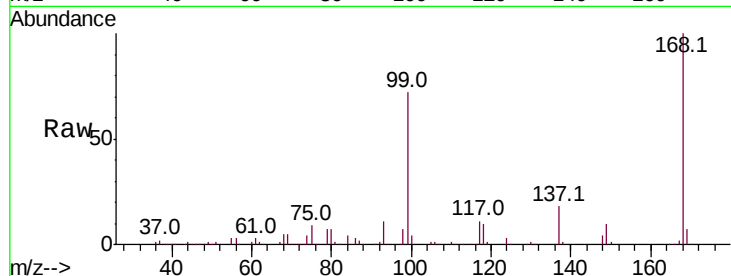
ClientSampleId :

Tot Ion:168 Resp: 150114

Ion Ratio Lower Upper

168 100

99 71.7 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

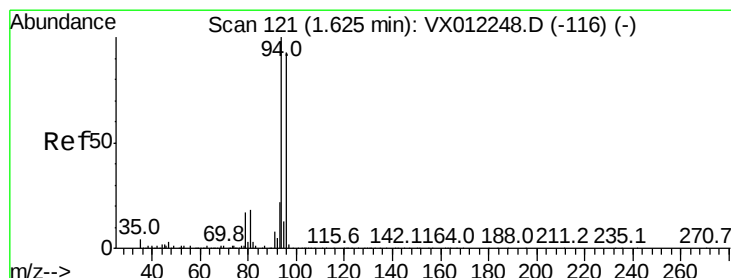
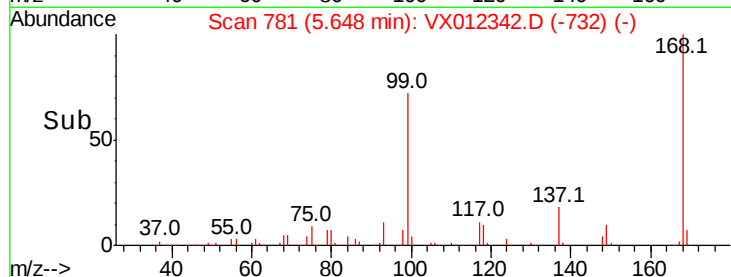
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012342.D

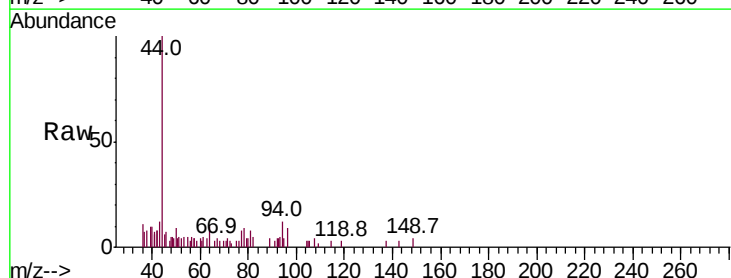
Acq: 12 Sep 2019 11:45

Tgt Ion: 94 Resp: 304

Ion Ratio Lower Upper

94 100

96 75.5 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

250

200

150

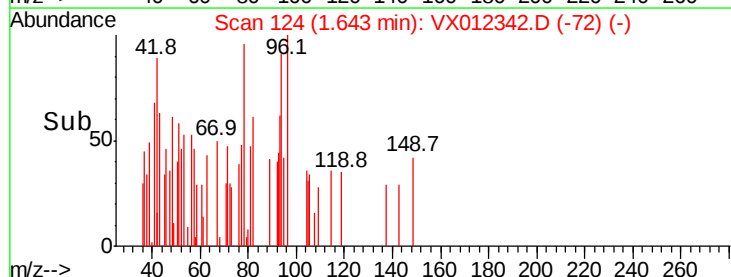
100

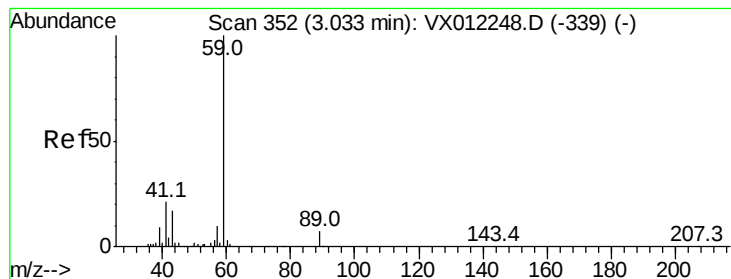
50

0

Time-->

1.60 1.62 1.64 1.66



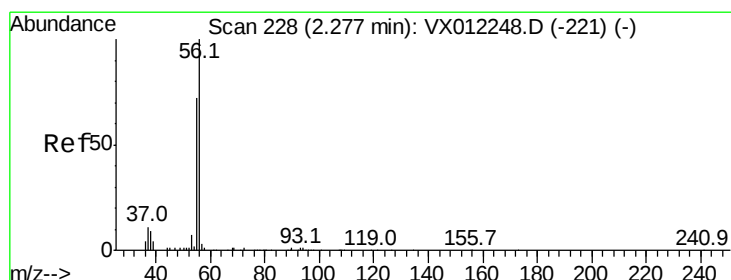
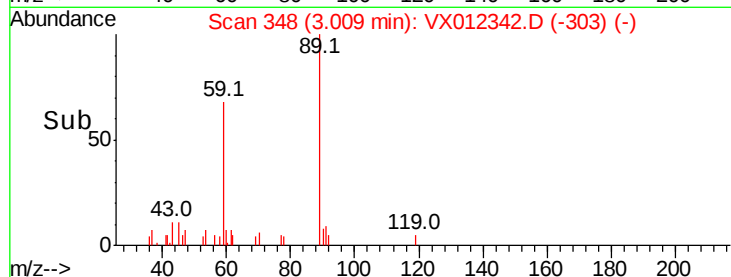
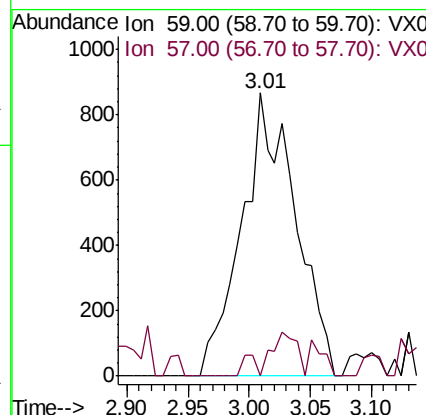
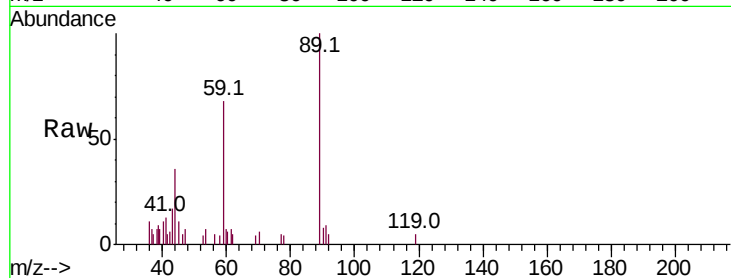


#11

Tert butyl alcohol
 Concen: 2.597 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.02 min
 Lab File: VX012342.D
 Acq: 12 Sep 2019 11:45

Instrument :
 MSVOA_X
 ClientSampleId :

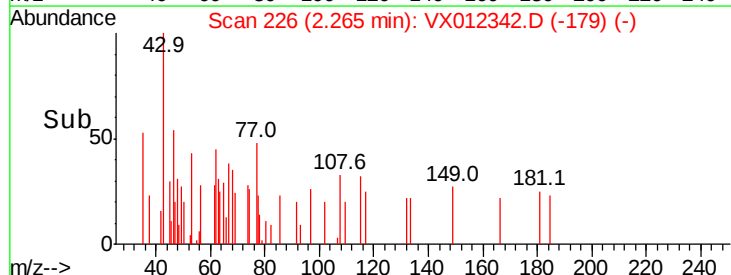
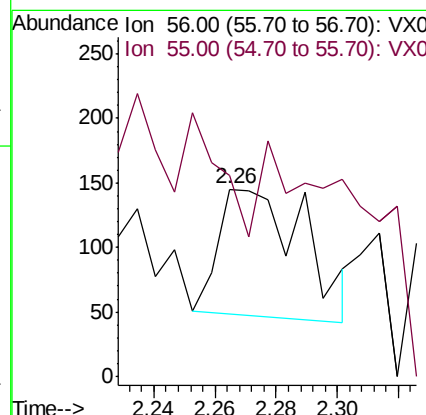
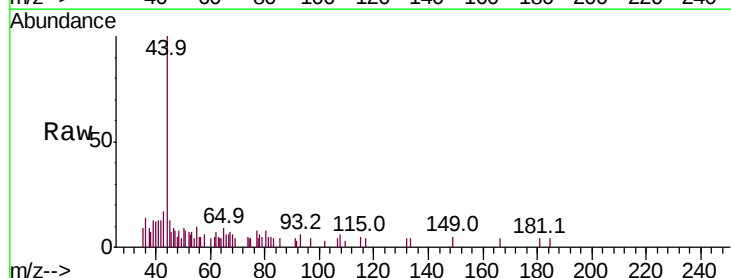
Tot Ion: 59 Resp: 2646
 Ion Ratio Lower Upper
 59 100
 57 1.7 7.8 11.6#

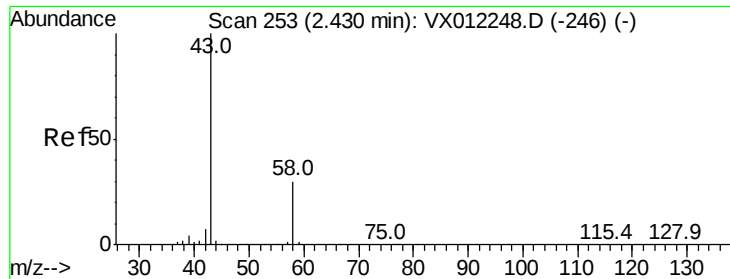


#13

Acrolein
 Concen: 1.695 ug/l
 RT: 2.26 min Scan# 226
 Delta R.T. -0.01 min
 Lab File: VX012342.D
 Acq: 12 Sep 2019 11:45

Tgt Ion: 56 Resp: 188
 Ion Ratio Lower Upper
 56 100
 55 0.0 59.8 89.6#





#16

Acetone

Concen: 3.312 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012342.D

Acq: 12 Sep 2019 11:45

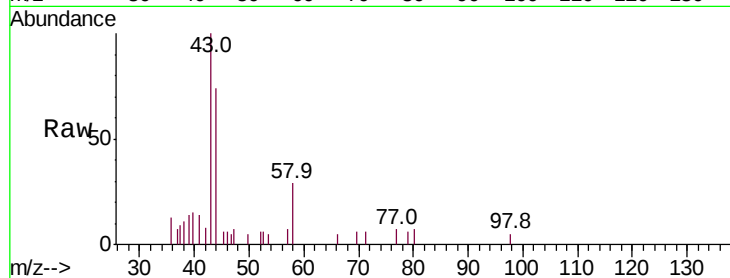
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1664

Ion Ratio Lower Upper

43 100

58 31.0 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

1200

1000

800

600

400

200

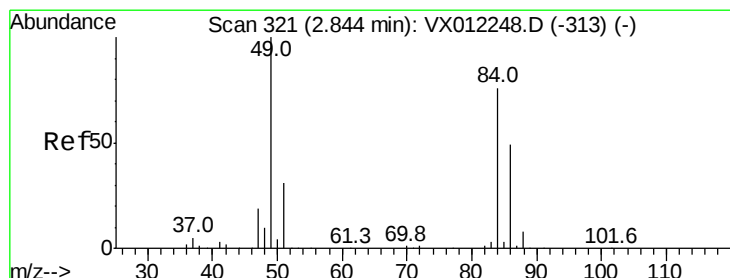
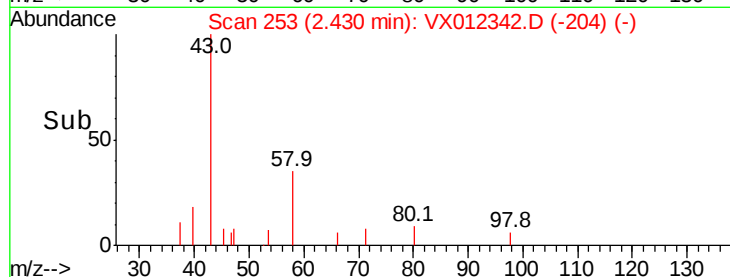
0

Time-->

2.40

2.45

2.50



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012342.D

Acq: 12 Sep 2019 11:45

Tgt Ion: 84 Resp: 1130

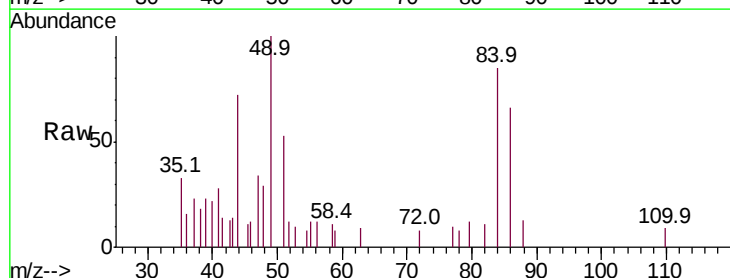
Ion Ratio Lower Upper

84 100

49 100.4 105.0 157.6#

51 47.1 32.6 48.8

86 77.0 51.8 77.6



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

1000

800

600

400

200

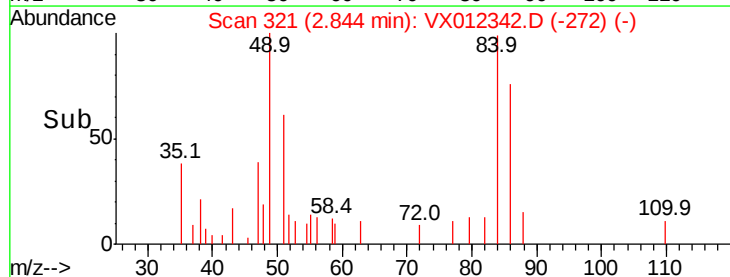
0

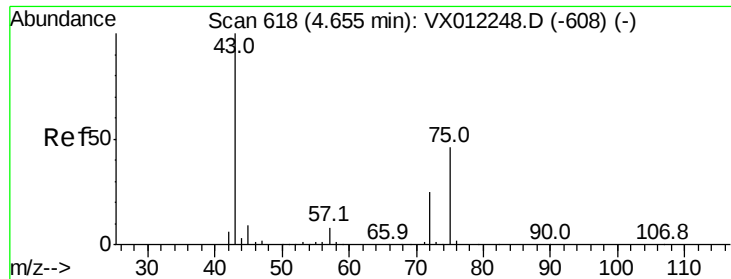
Time-->

2.80

2.85

2.90





#25

2-Butanone

Concen: 2.451 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.03 min

Lab File: VX012342.D

Acq: 12 Sep 2019 11:45

Instrument :

MSVOA_X

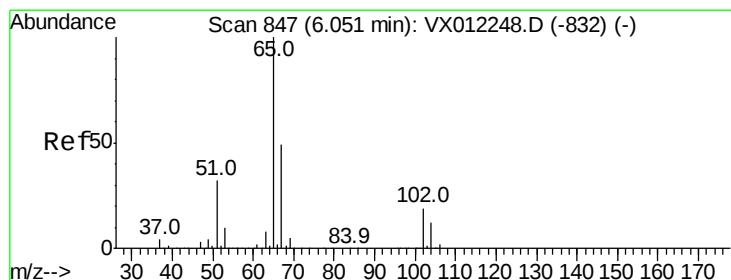
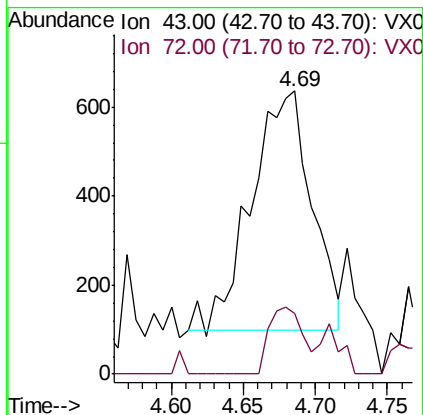
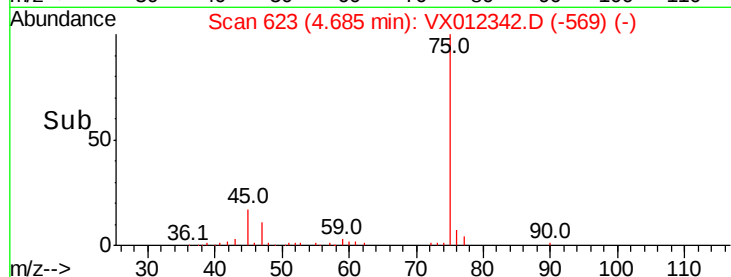
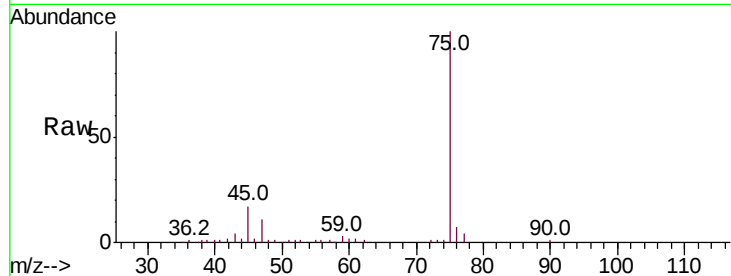
ClientSampleId :

Tot Ion: 43 Resp: 1574

Ion Ratio Lower Upper

43 100

72 25.3 20.2 30.2



#33

1,2-Dichloroethane-d4

Concen: 49.979 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012342.D

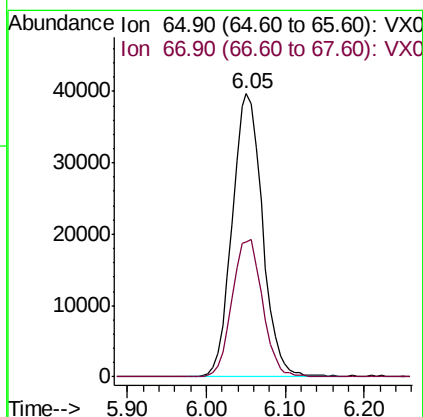
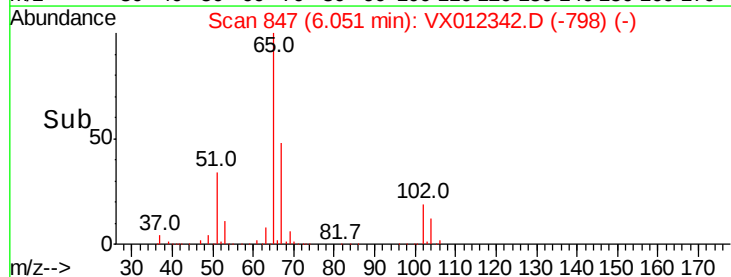
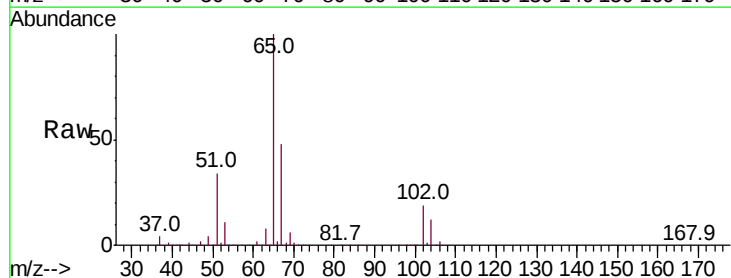
Acq: 12 Sep 2019 11:45

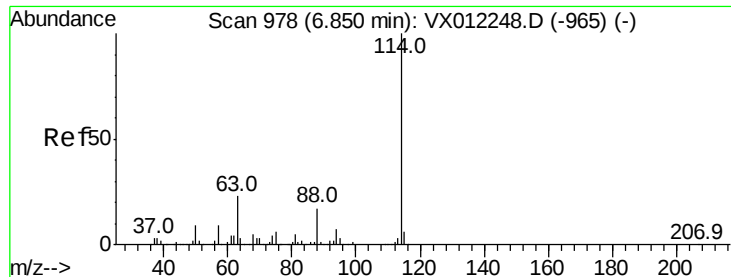
Tgt Ion: 65 Resp: 106071

Ion Ratio Lower Upper

65 100

67 48.9 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: VX012342.D

Acq: 12 Sep 2019 11:45

Instrument :

MSVOA_X

ClientSampleId :

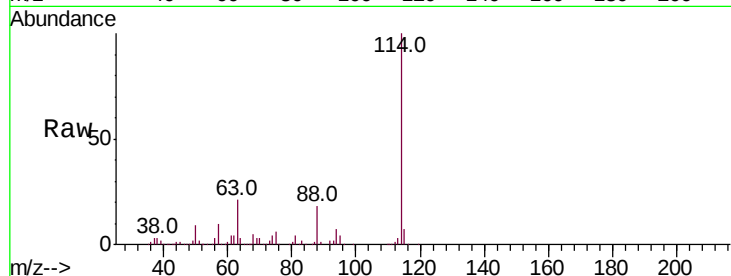
Tot Ion:114 Resp: 261949

Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.2

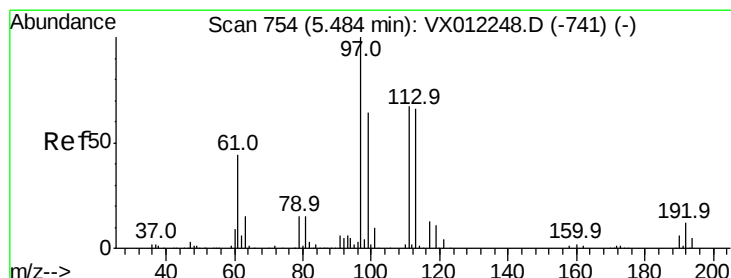
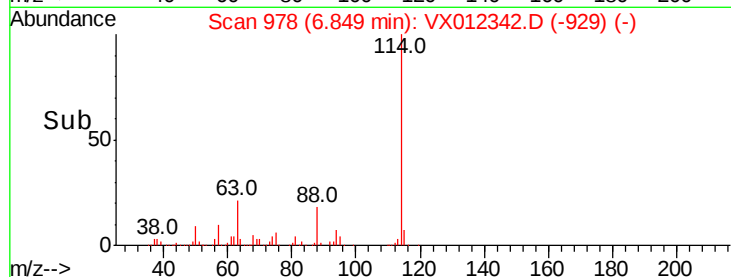
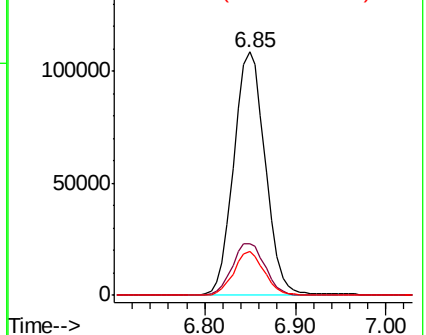
88 18.0 0.0 34.8



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: 46.682 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012342.D

Acq: 12 Sep 2019 11:45

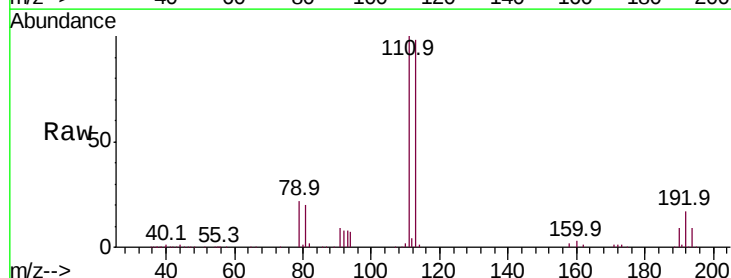
Tgt Ion:113 Resp: 78389

Ion Ratio Lower Upper

113 100

111 101.8 83.0 124.6

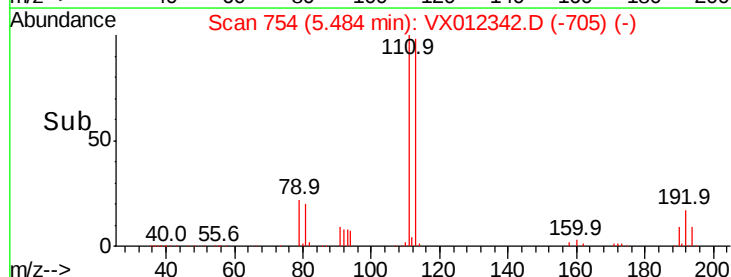
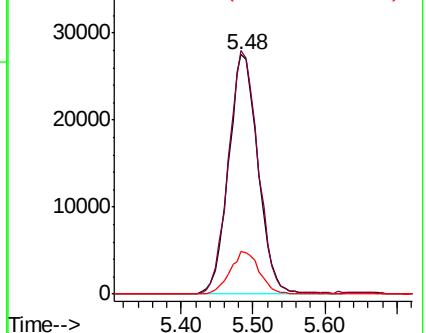
192 17.5 14.3 21.5

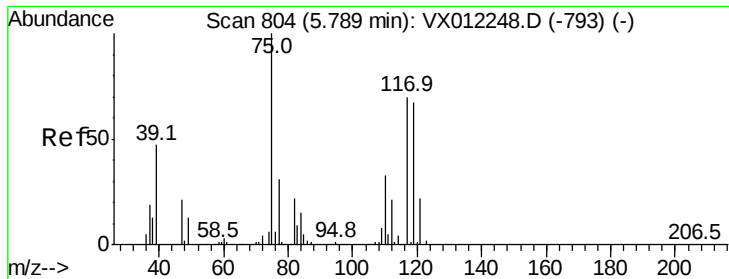


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 7.234 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012342.D

Acq: 12 Sep 2019 11:45

Instrument :
MSVOA_X
ClientSampleId :

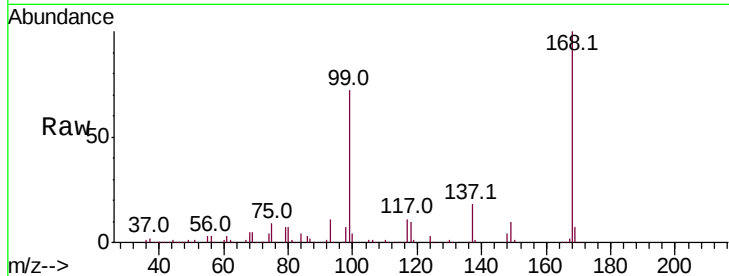
Tot Ion: 75 Resp: 13818

Ion Ratio Lower Upper

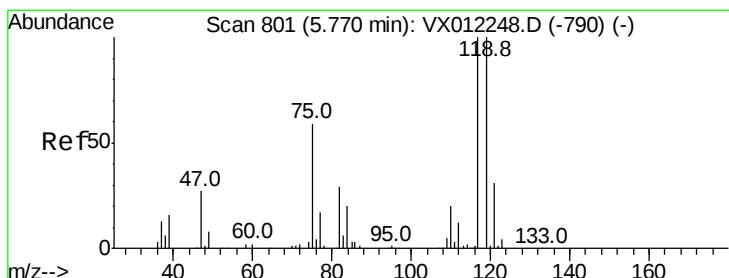
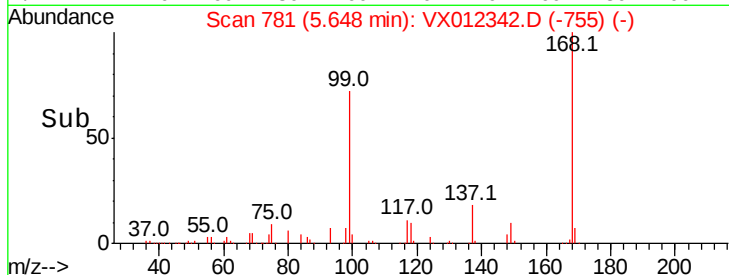
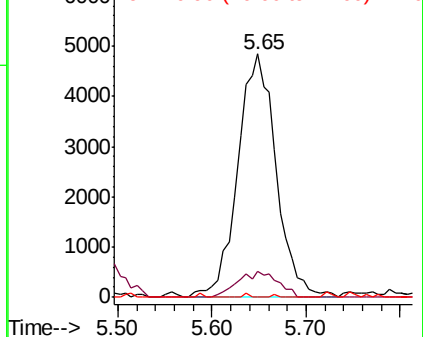
75 100

110 11.1 16.8 50.4#

77 0.2 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: 7.591 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012342.D

Acq: 12 Sep 2019 11:45

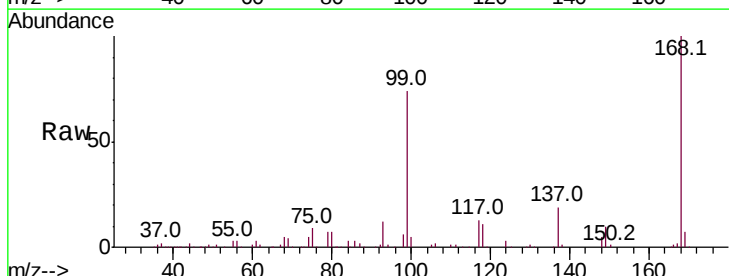
Tgt Ion: 117 Resp: 17012

Ion Ratio Lower Upper

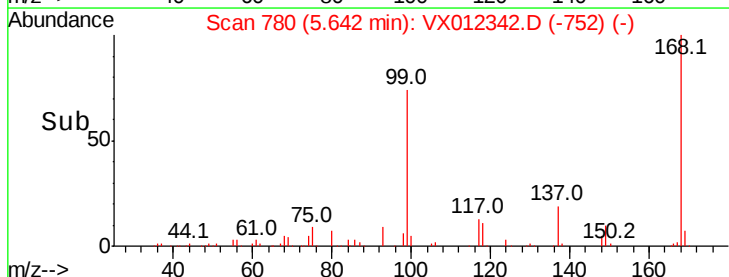
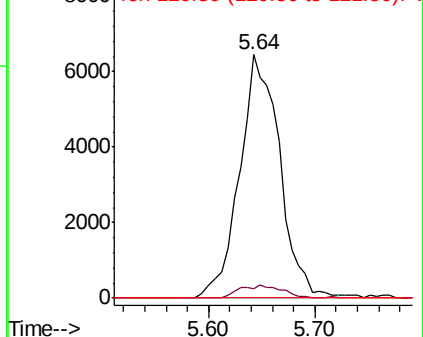
117 100

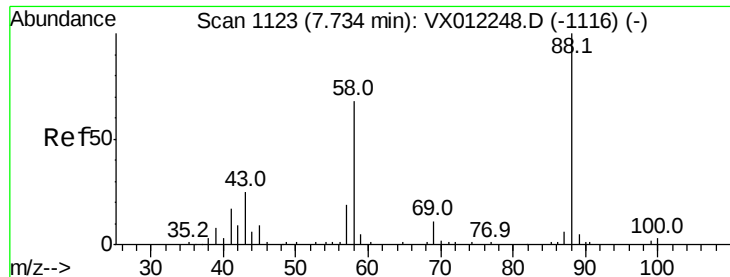
119 3.8 79.6 119.4#

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

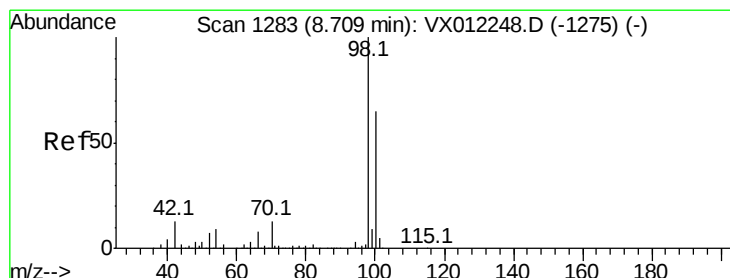
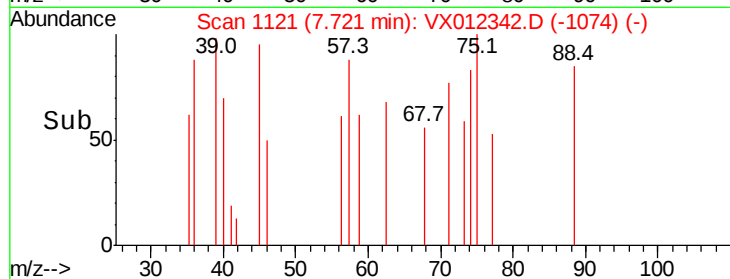
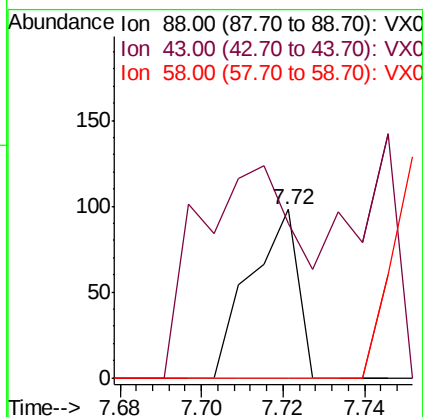
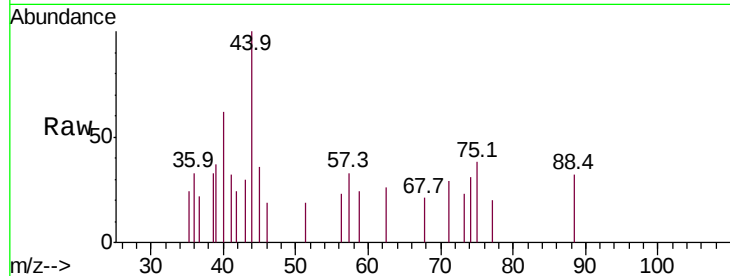




#49
1,4-Dioxane
Concen: 4.976 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX012342.D
Acq: 12 Sep 2019 11:45

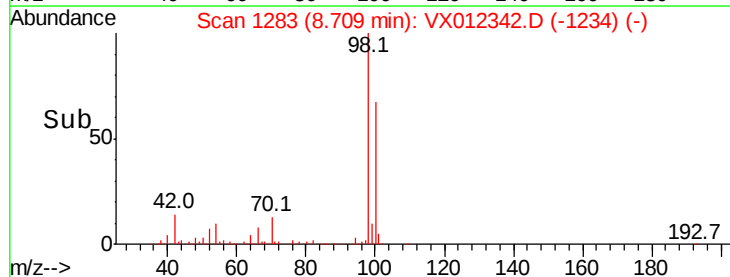
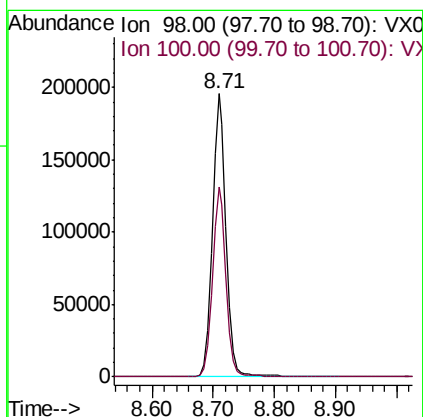
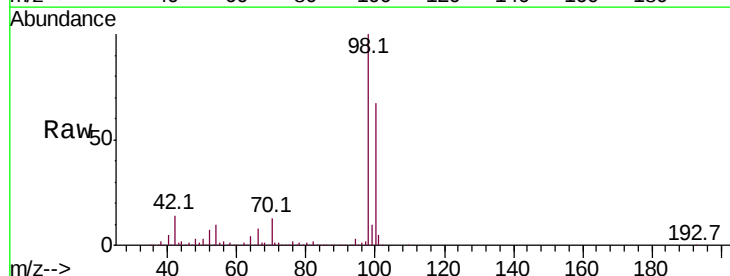
Instrument :
MSVOA_X
ClientSampleId :

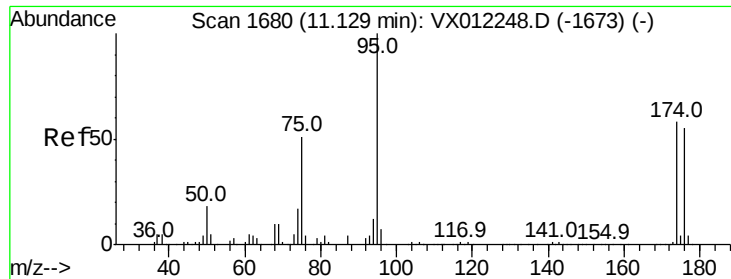
Tot Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 263.8 31.0 46.4#
58 0.0 61.5 92.3#



#50
Toluene-d8
Concen: 52.560 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012342.D
Acq: 12 Sep 2019 11:45

Tgt Ion: 98 Resp: 309556
Ion Ratio Lower Upper
98 100
100 67.0 54.1 81.1





#62

4-Bromofluorobenzene

Concen: 44.316 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012342.D

Acq: 12 Sep 2019 11:45

Instrument :

MSVOA_X

ClientSampleId :

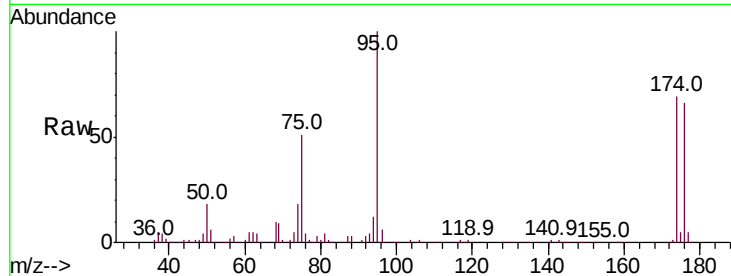
Tot Ion: 95 Resp: 121002

Ion Ratio Lower Upper

95 100

174 68.3 0.0 127.0

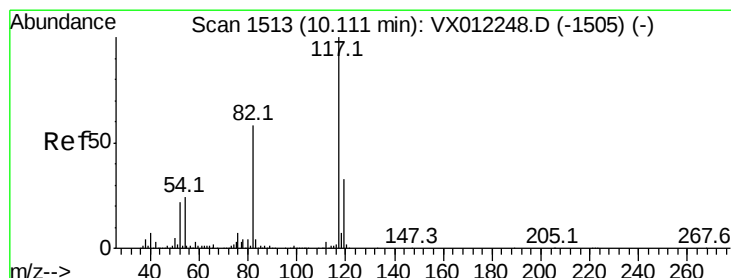
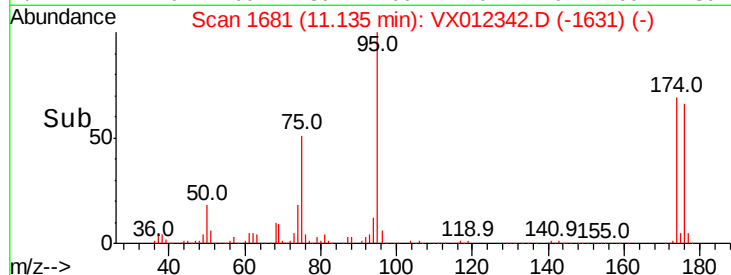
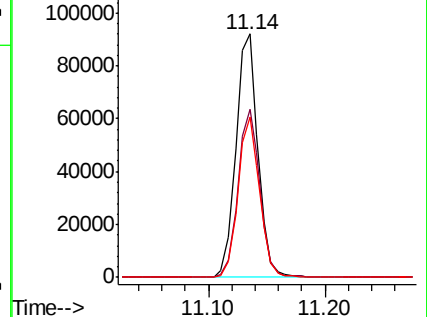
176 64.3 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX012248.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX012248.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX012248.D (-1673) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012342.D

Acq: 12 Sep 2019 11:45

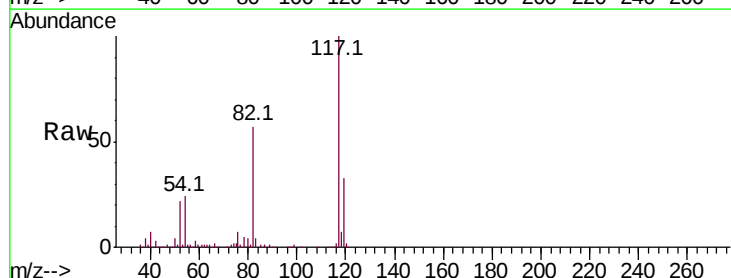
Tgt Ion: 117 Resp: 229703

Ion Ratio Lower Upper

117 100

82 57.4 46.4 69.6

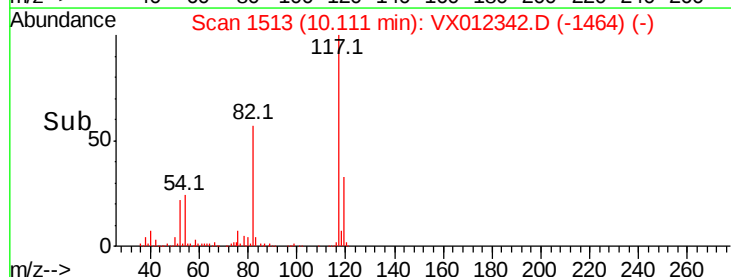
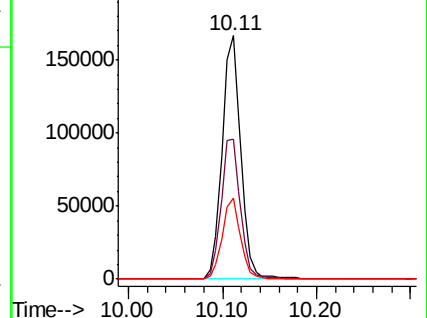
119 33.1 26.6 39.8

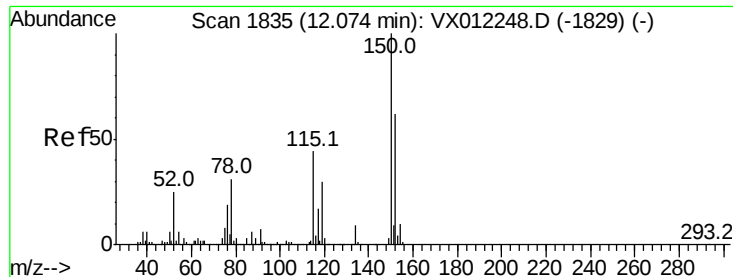


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012248.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012248.D (-1505) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012342.D

Acq: 12 Sep 2019 11:45

Instrument :

MSVOA_X

ClientSampleId :

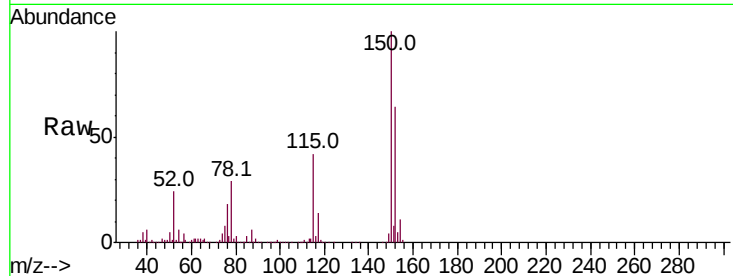
Tot Ion:152 Resp: 104303

Ion Ratio Lower Upper

152 100

115 64.4 45.5 136.4

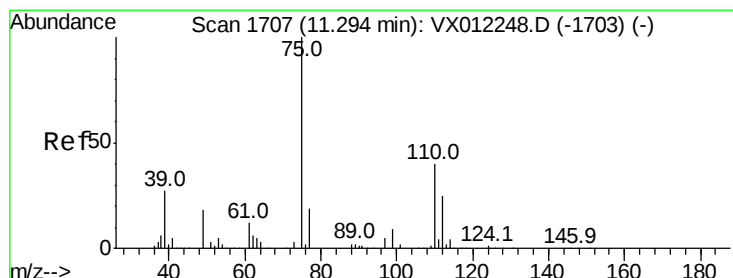
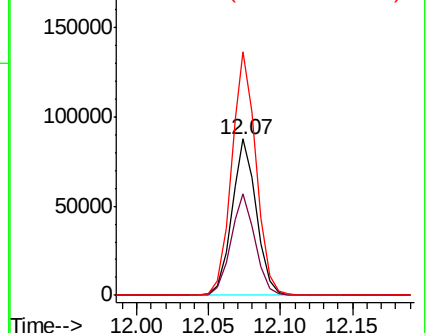
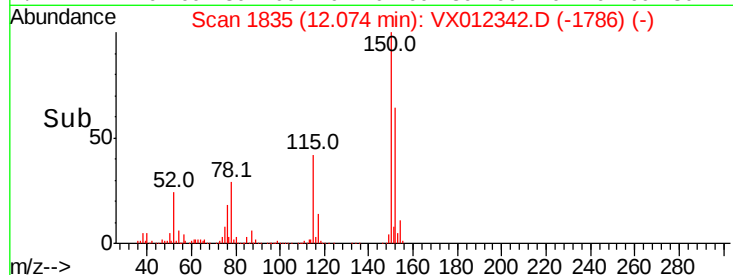
150 155.7 0.0 346.4



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: 47.495 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012342.D

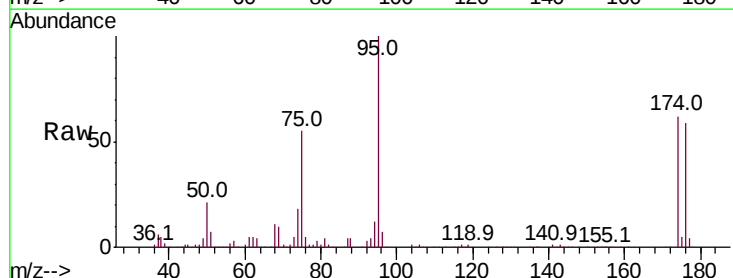
Acq: 12 Sep 2019 11:45

Tgt Ion: 75 Resp: 63640

Ion Ratio Lower Upper

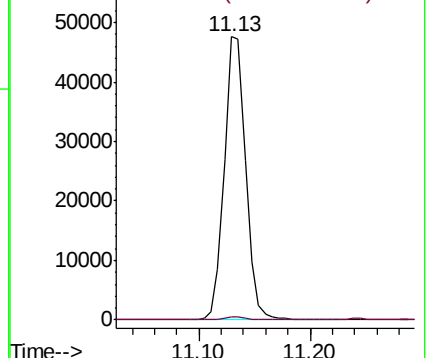
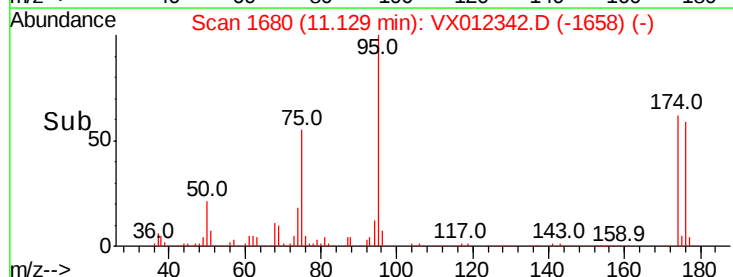
75 100

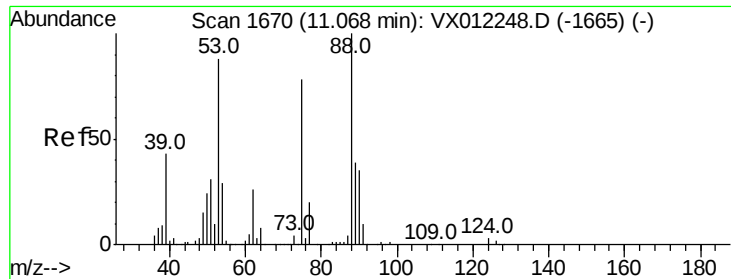
77 1.1 19.7 59.0#



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: 142.306 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012342.D

Acq: 12 Sep 2019 11:45

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 63640

Ion Ratio Lower Upper

75 100

53 0.2 88.1 132.1#

89 0.0 43.5 65.3#

