

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
 Data File : VX012310.D
 Acq On : 11 Sep 2019 18:54
 Operator : SY/SP
 Sample : K4643-20
 Misc : 2.72g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-D1-(0)

Quant Time: Sep 12 05:41:10 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	166944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	291613	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103301	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	114025	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
35) Dibromofluoromethane	5.48	113	87735	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	
50) Toluene-d8	8.71	98	343638	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	
62) 4-Bromofluorobenzene	11.14	95	127181	41.84	ug/l	0.00
Spiked Amount			Recovery	=	83.68%	

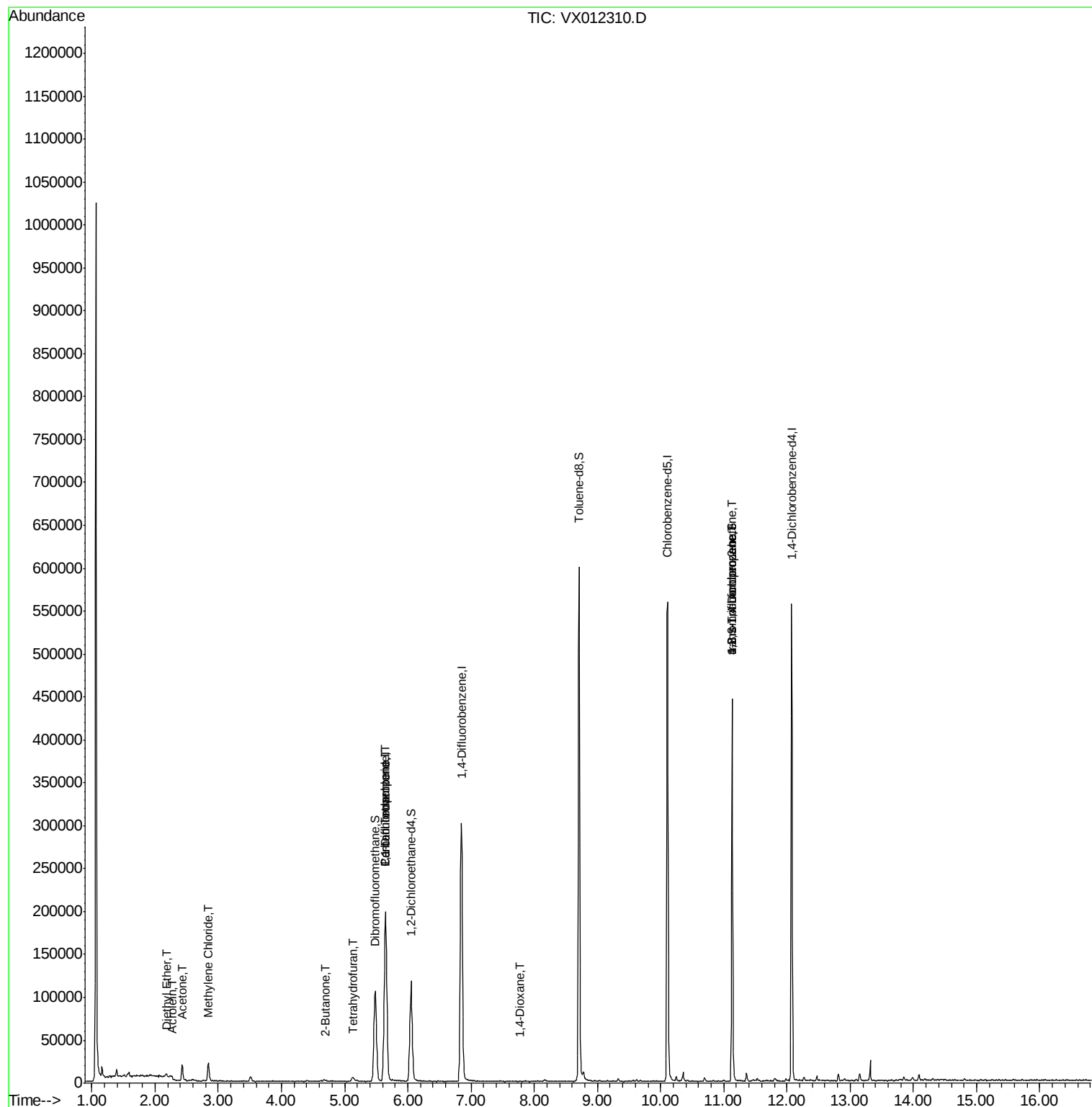
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	165	Below Cal	#	69
8) Diethyl Ether	2.18	74	905	1.201	ug/l	94
11) Tert butyl alcohol	3.03	59	855	Below Cal	#	20
13) Acrolein	2.28	56	168	1.362	ug/l #	12
16) Acetone	2.43	43	19934	35.676	ug/l	94
20) Methylene Chloride	2.84	84	9317	2.861	ug/l	94
25) 2-Butanone	4.70	43	1544	2.162	ug/l #	50
29) Tetrahydrofuran	5.12	42	4437	11.513	ug/l	95
36) 1,1-Dichloropropene	5.64	75	15278	7.185	ug/l #	53
38) Carbon Tetrachloride	5.65	117	19318	7.743	ug/l #	15
49) 1,4-Dioxane	7.77	88	40	2.235	ug/l #	66
76) 1,2,3-Trichloropropane	11.14	75	65240	49.162	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	65240	147.299	ug/l #	5

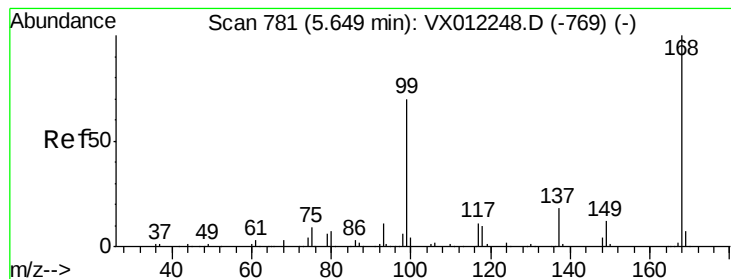
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
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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: VX012310.D

Acq: 11 Sep 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

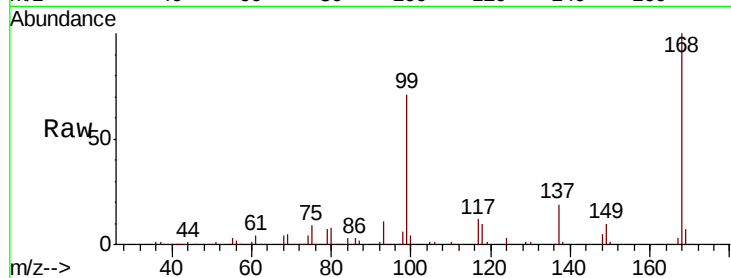
T11-D1-(0)

Tgt Ion:168 Resp: 166944

Ion Ratio Lower Upper

168 100

99 71.2 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

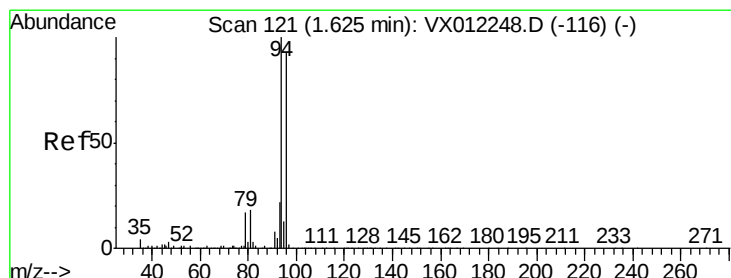
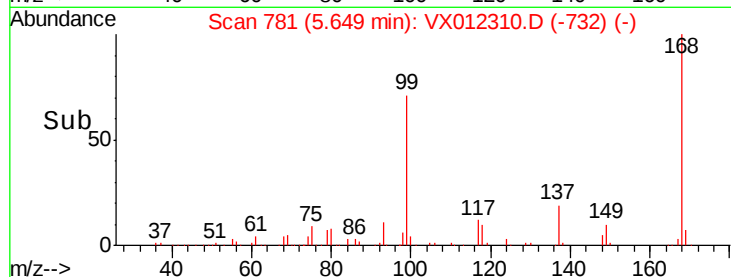
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX012310.D

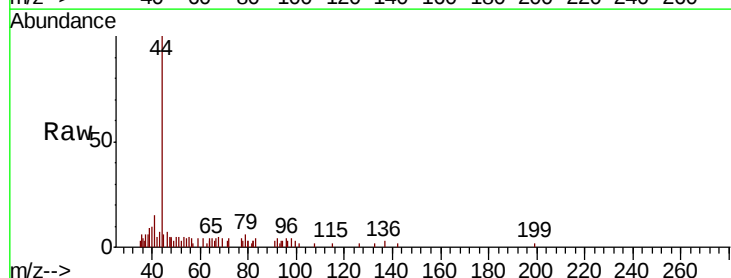
Acq: 11 Sep 2019 18:54

Tgt Ion: 94 Resp: 165

Ion Ratio Lower Upper

94 100

96 62.9 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

200

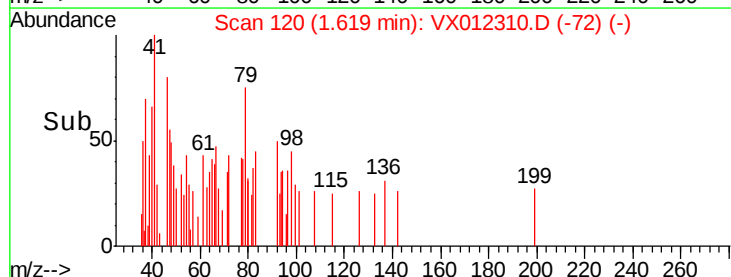
150

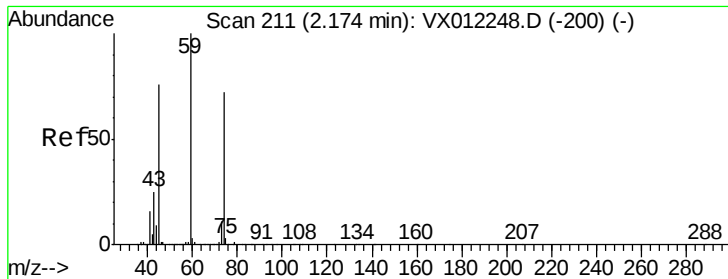
100

50

0

Time--> 1.58 1.60 1.62





#8

Diethyl Ether

Concen: 1.201 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012310.D

Acq: 11 Sep 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

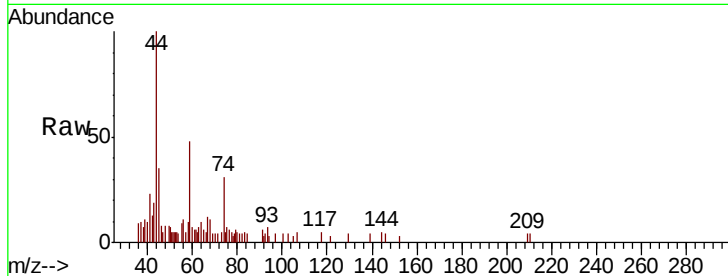
T11-D1-(0)

Tgt Ion: 74 Resp: 905

Ion Ratio Lower Upper

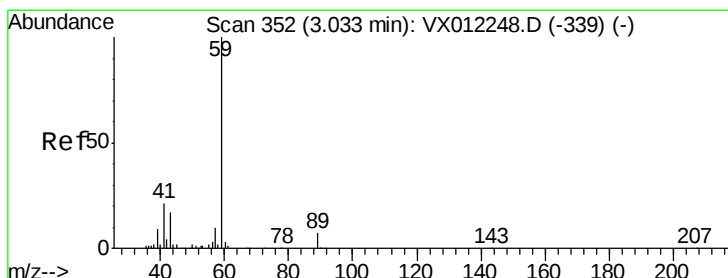
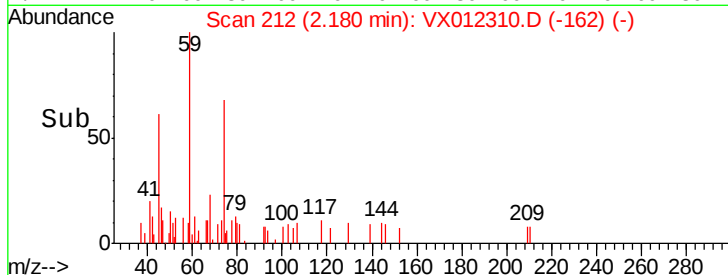
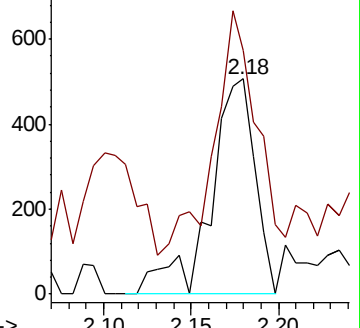
74 100

45 96.6 51.3 153.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX012310.D

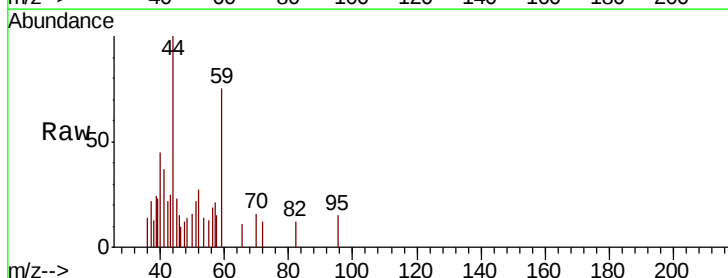
Acq: 11 Sep 2019 18:54

Tgt Ion: 59 Resp: 855

Ion Ratio Lower Upper

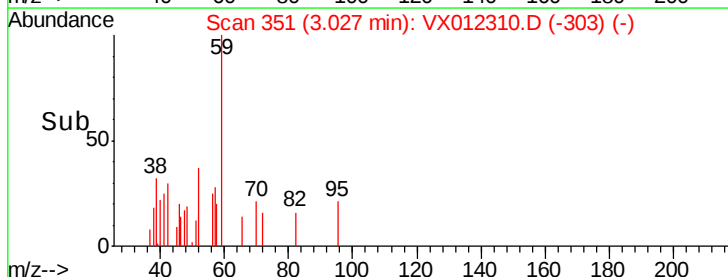
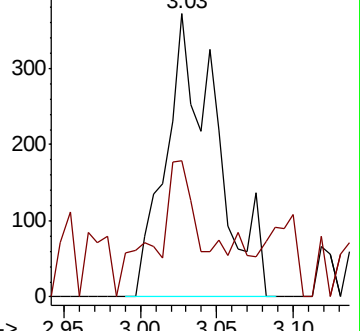
59 100

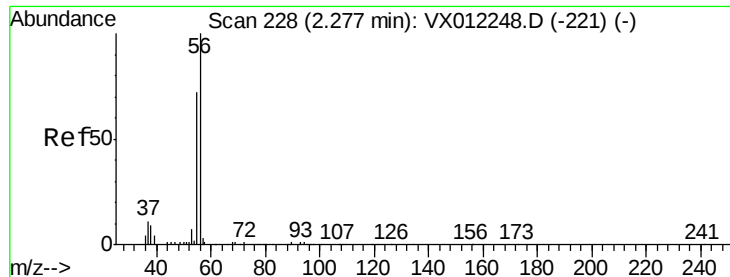
57 38.9 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.362 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012310.D

Acq: 11 Sep 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

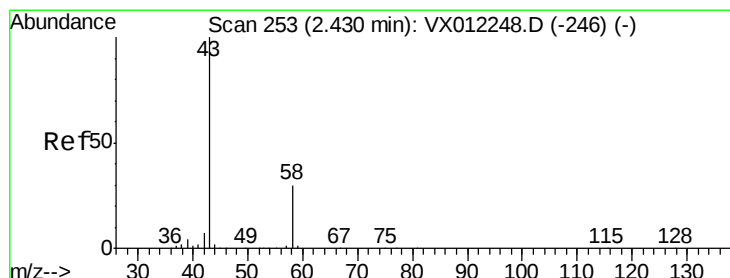
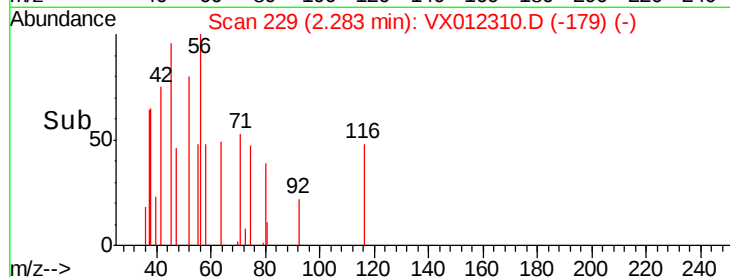
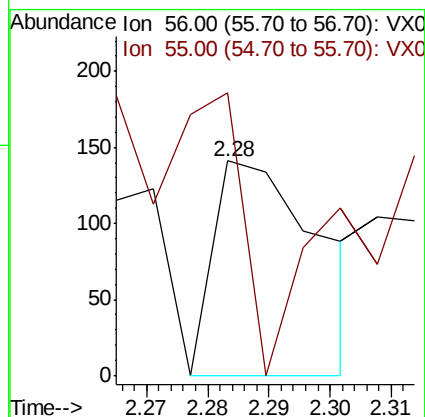
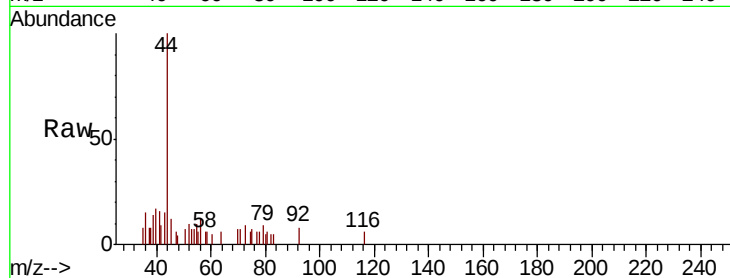
T11-D1-(0)

Tgt Ion: 56 Resp: 168

Ion Ratio Lower Upper

56 100

55 0.0 59.8 89.6#



#16

Acetone

Concen: 35.676 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012310.D

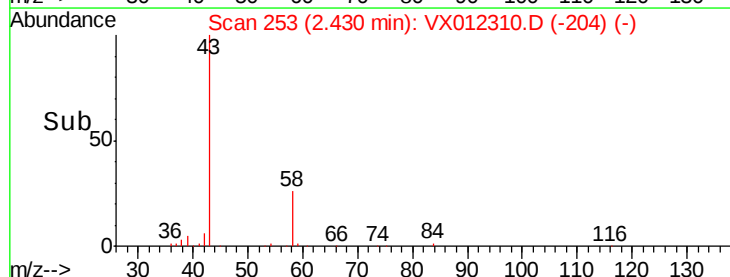
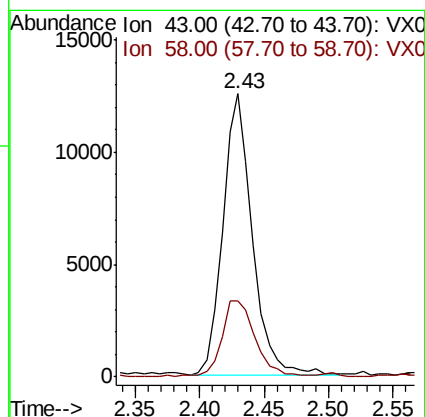
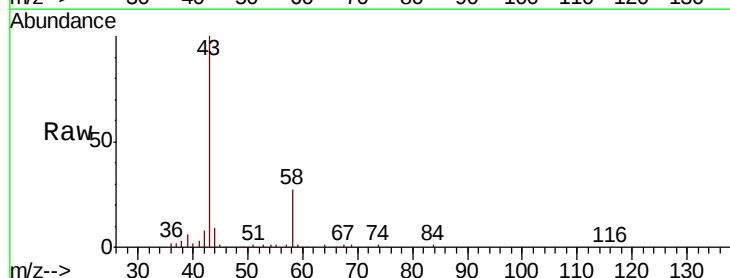
Acq: 11 Sep 2019 18:54

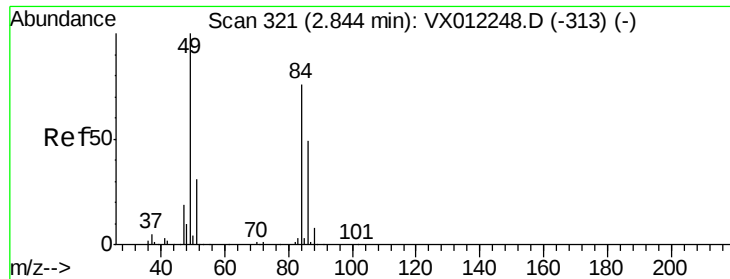
Tgt Ion: 43 Resp: 19934

Ion Ratio Lower Upper

43 100

58 26.5 23.6 35.4

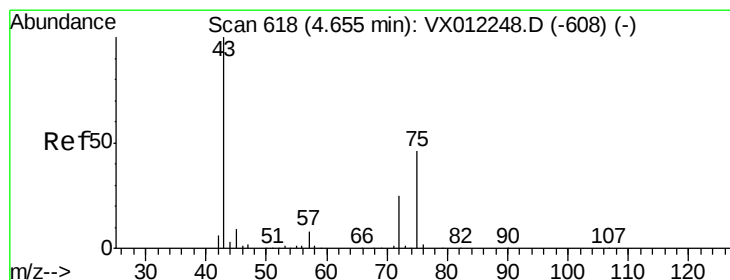
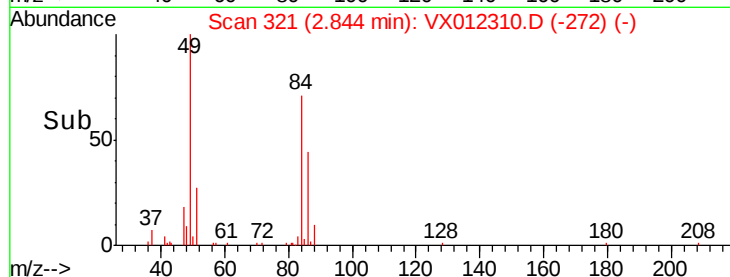
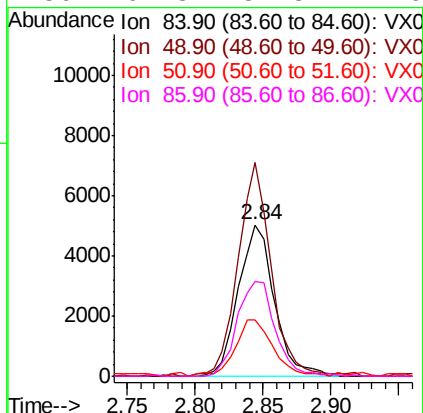
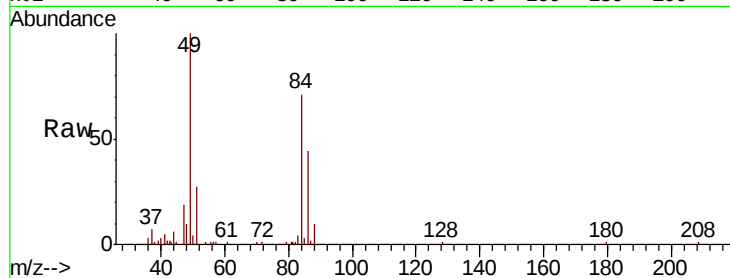




#20
Methylene Chloride
Concen: 2.861 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012310.D
Acq: 11 Sep 2019 18:54

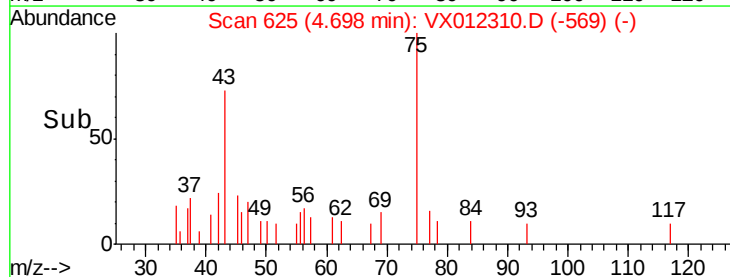
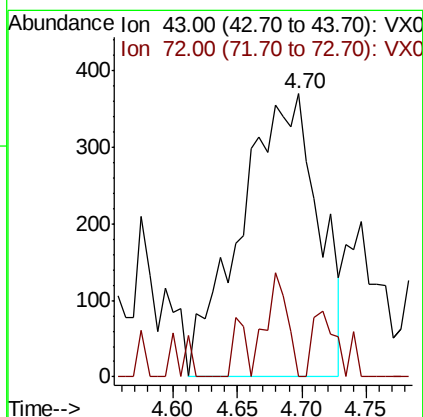
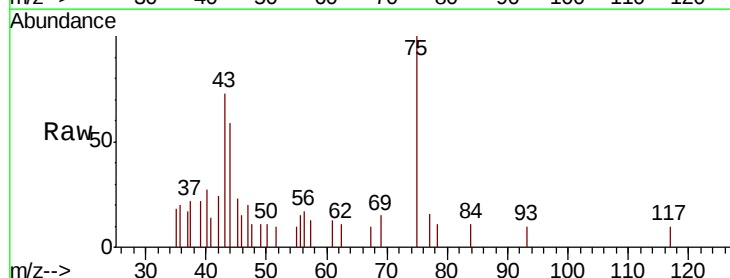
Instrument :
MSVOA_X
ClientSampleId :
T11-D1-(0)

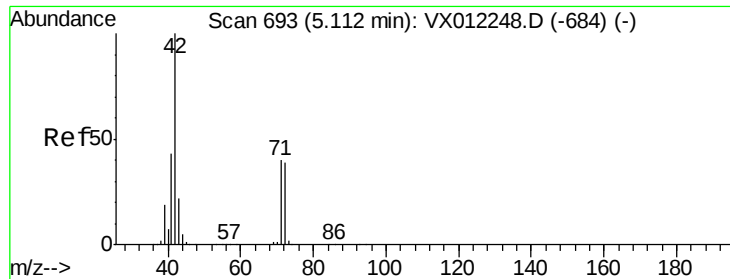
Tgt Ion: 84 Resp: 9317
Ion Ratio Lower Upper
84 100
49 139.3 105.0 157.6
51 37.5 32.6 48.8
86 62.3 51.8 77.6



#25
2-Butanone
Concen: 2.162 ug/l
RT: 4.70 min Scan# 625
Delta R.T. 0.04 min
Lab File: VX012310.D
Acq: 11 Sep 2019 18:54

Tgt Ion: 43 Resp: 1544
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#





#29

Tetrahydrofuran

Concen: 11.513 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012310.D

Acq: 11 Sep 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

T11-D1-(0)

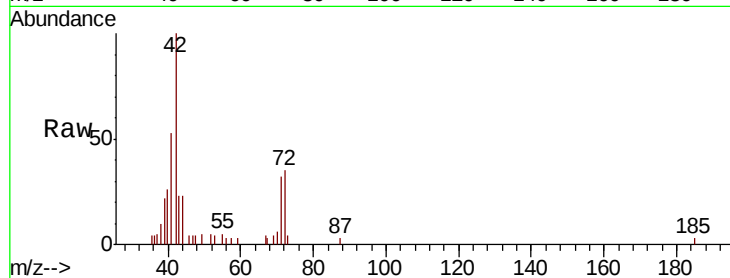
Tgt Ion: 42 Resp: 4437

Ion Ratio Lower Upper

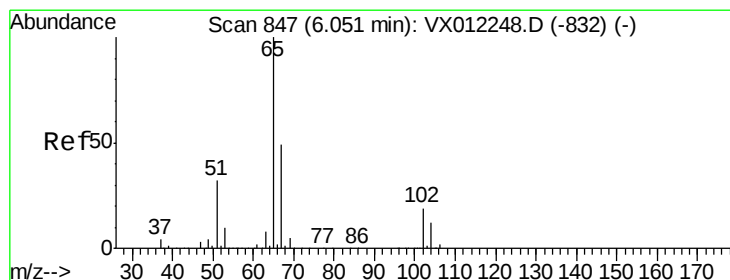
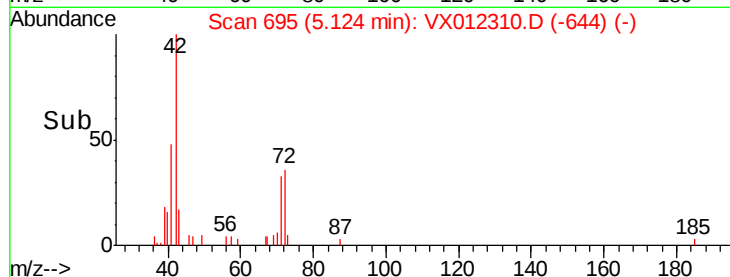
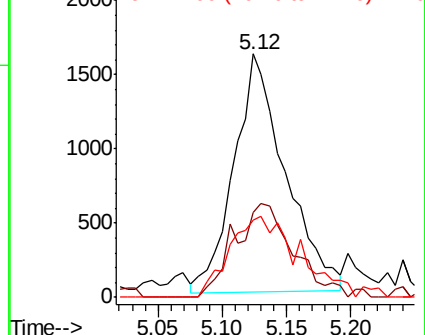
42 100

72 45.2 35.2 52.8

71 46.1 32.5 48.7



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.310 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012310.D

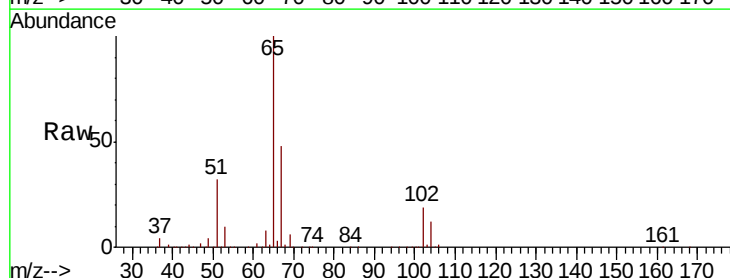
Acq: 11 Sep 2019 18:54

Tgt Ion: 65 Resp: 114025

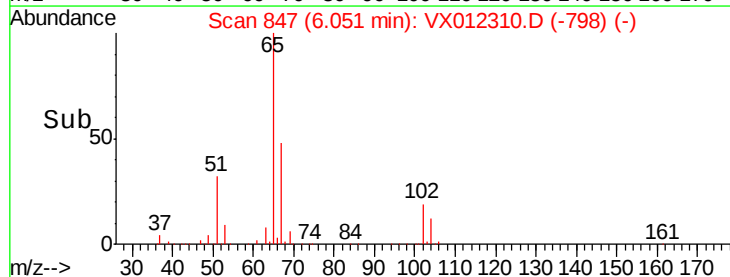
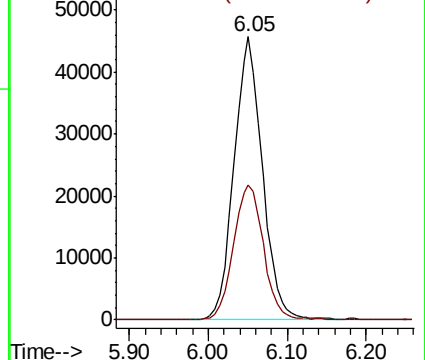
Ion Ratio Lower Upper

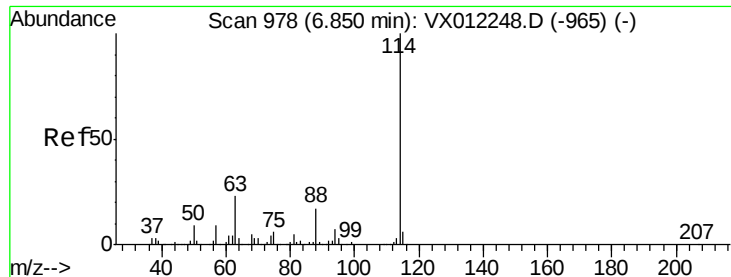
65 100

67 50.6 0.0 99.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012310.D

Acq: 11 Sep 2019 18:54

Instrument :

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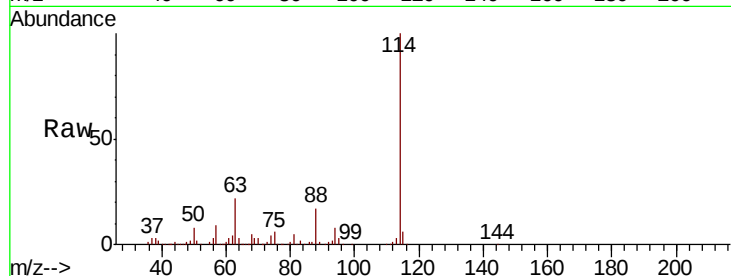
Tgt Ion:114 Resp: 291613

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.2

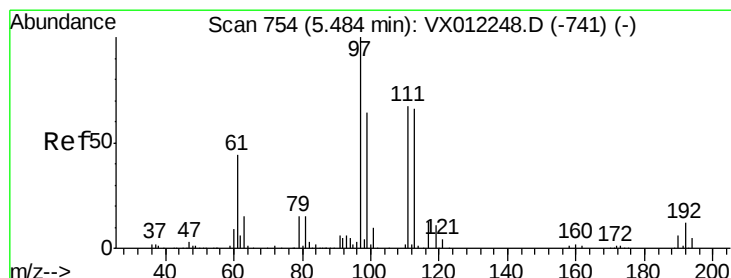
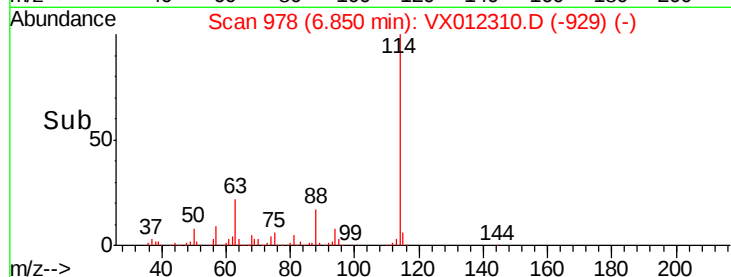
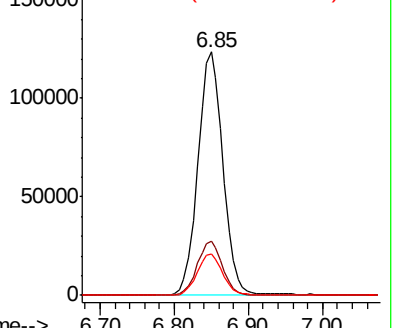
88 16.8 0.0 34.8



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: 46.933 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012310.D

Acq: 11 Sep 2019 18:54

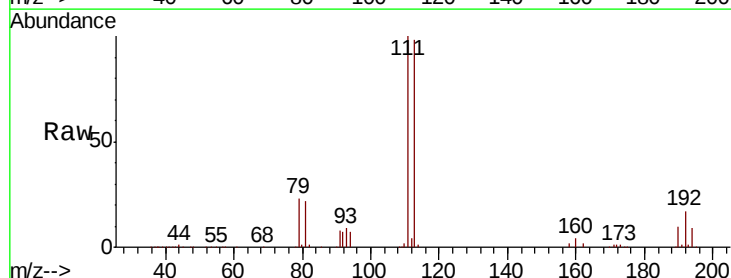
Tgt Ion:113 Resp: 87735

Ion Ratio Lower Upper

113 100

111 103.4 83.0 124.6

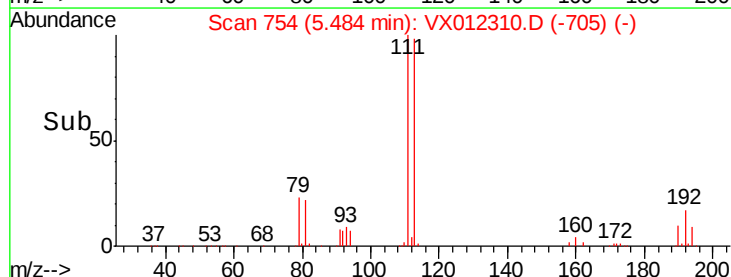
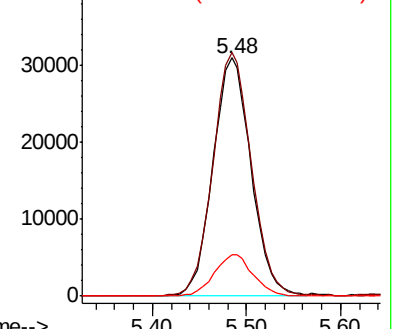
192 17.7 14.3 21.5

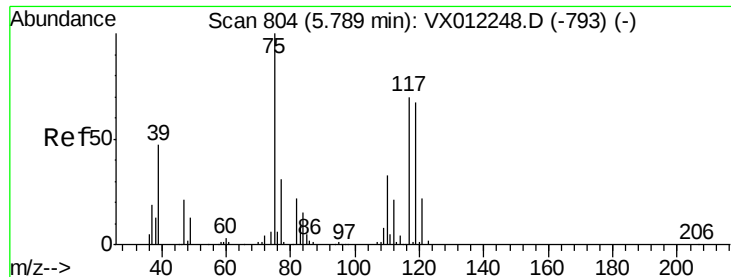


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 7.185 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012310.D

Acq: 11 Sep 2019 18:54

Instrument :

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ClientSampleId :

T11-D1-(0)

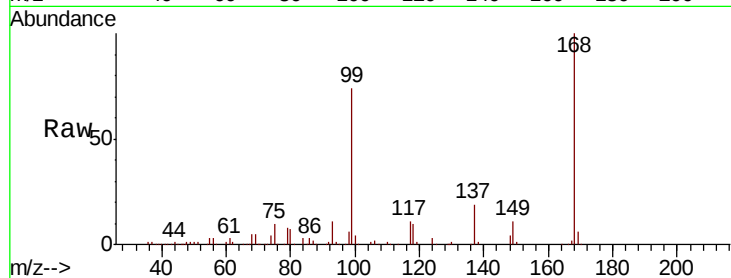
Tgt Ion: 75 Resp: 15278

Ion Ratio Lower Upper

75 100

110 11.0 16.8 50.4#

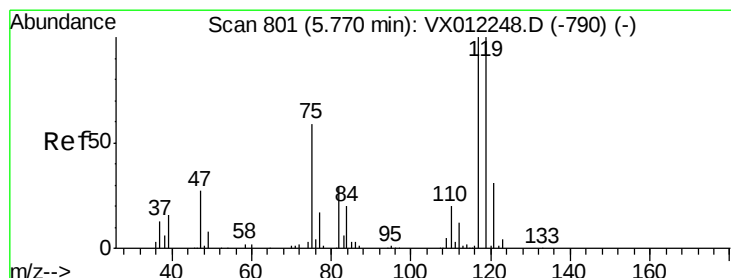
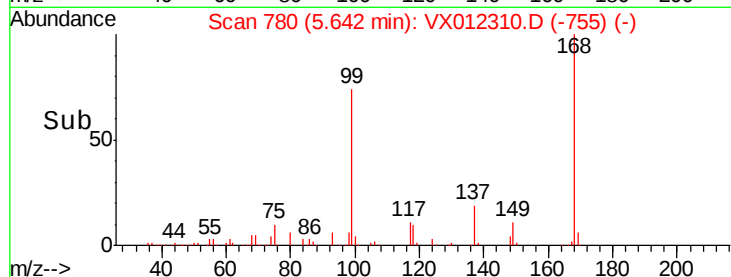
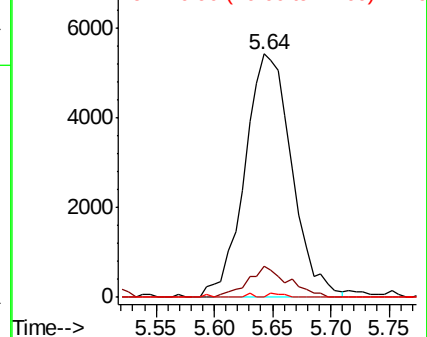
77 0.5 24.5 36.7#



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: 7.743 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012310.D

Acq: 11 Sep 2019 18:54

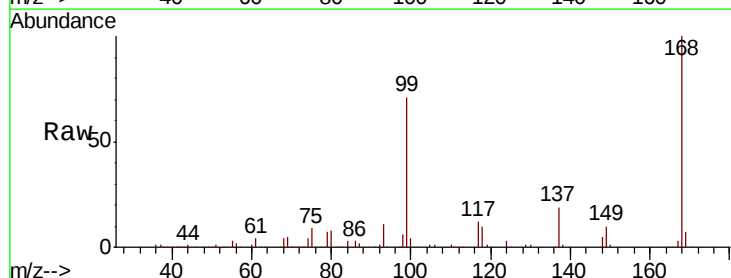
Tgt Ion: 117 Resp: 19318

Ion Ratio Lower Upper

117 100

119 5.4 79.6 119.4#

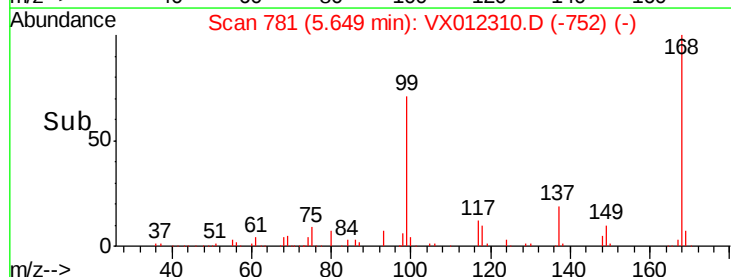
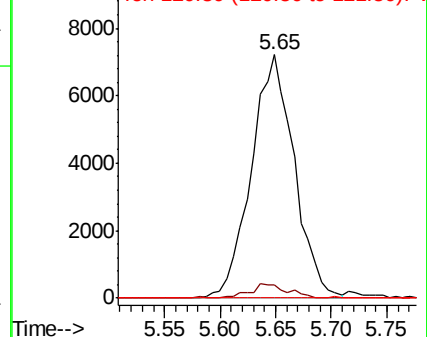
121 0.0 24.7 37.1#

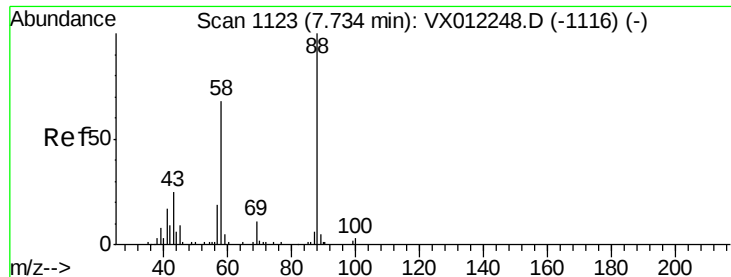


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

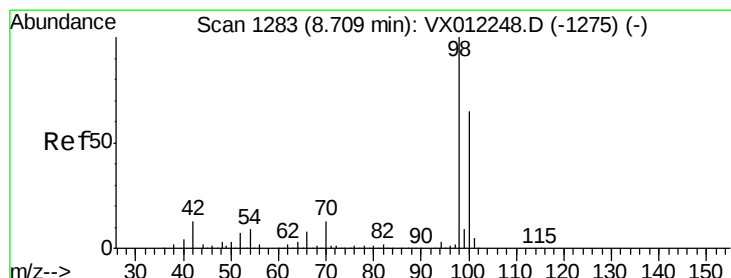
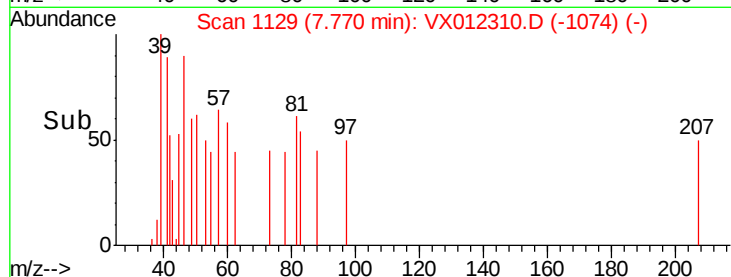
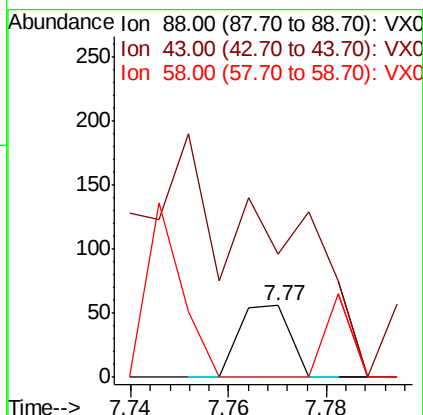
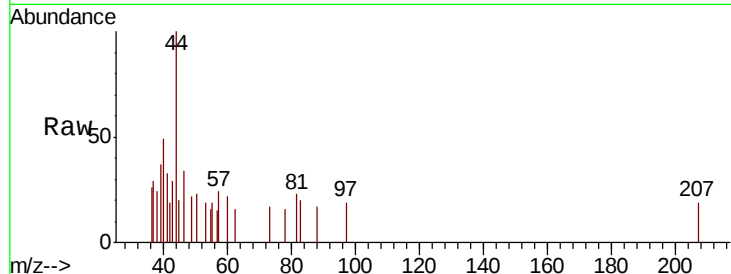




#49
1,4-Dioxane
Concen: 2.235 ug/l
RT: 7.77 min Scan# 1129
Delta R.T. 0.04 min
Lab File: VX012310.D
Acq: 11 Sep 2019 18:54

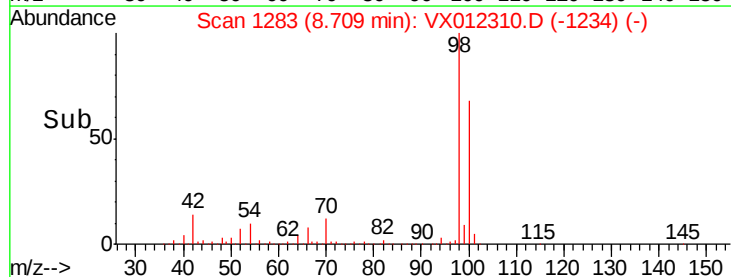
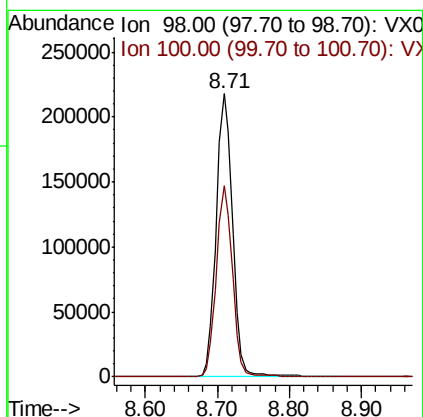
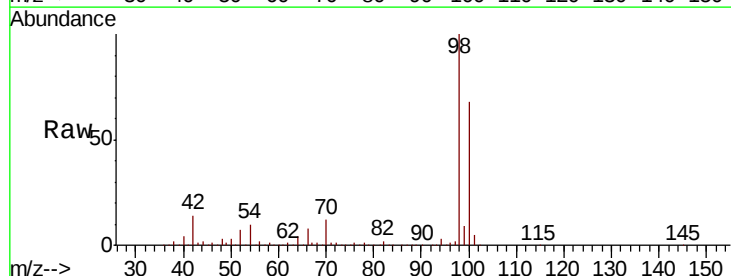
Instrument :
MSVOA_X
ClientSampled :
T11-D1-(0)

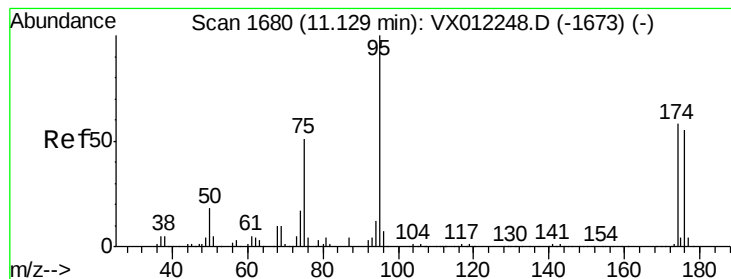
Tgt Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.4#
58 60.0 61.5 92.3#



#50
Toluene-d8
Concen: 52.411 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012310.D
Acq: 11 Sep 2019 18:54

Tgt Ion: 98 Resp: 343638
Ion Ratio Lower Upper
98 100
100 67.1 54.1 81.1





#62

4-Bromofluorobenzene

Concen: 41.841 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012310.D

Acq: 11 Sep 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

T11-D1-(0)

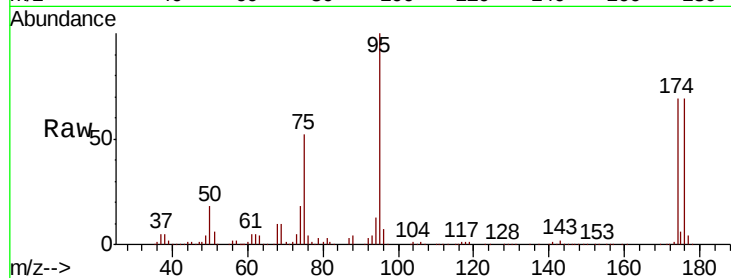
Tgt Ion: 95 Resp: 127181

Ion Ratio Lower Upper

95 100

174 66.4 0.0 127.0

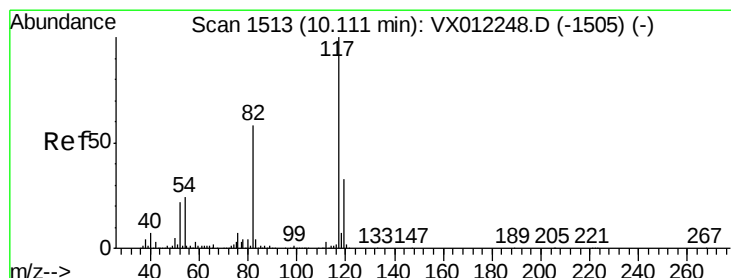
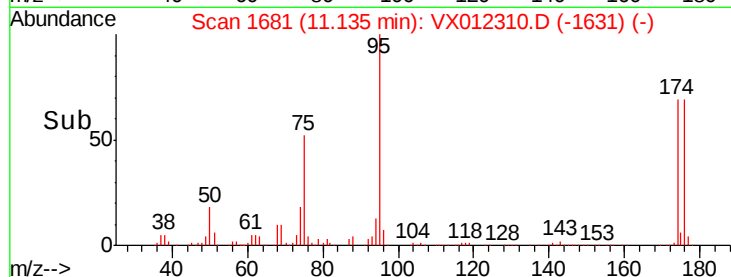
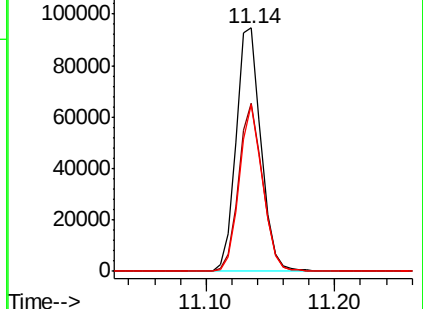
176 64.0 0.0 125.8



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: VX012310.D

Acq: 11 Sep 2019 18:54

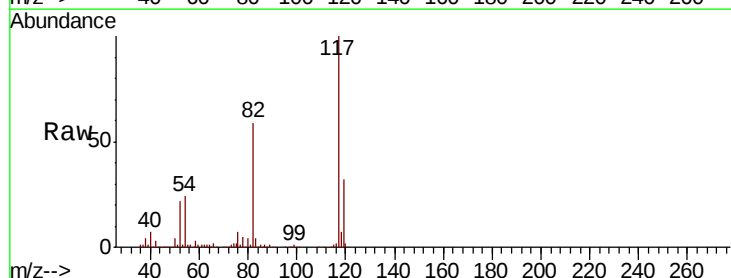
Tgt Ion: 117 Resp: 248163

Ion Ratio Lower Upper

117 100

82 58.6 46.4 69.6

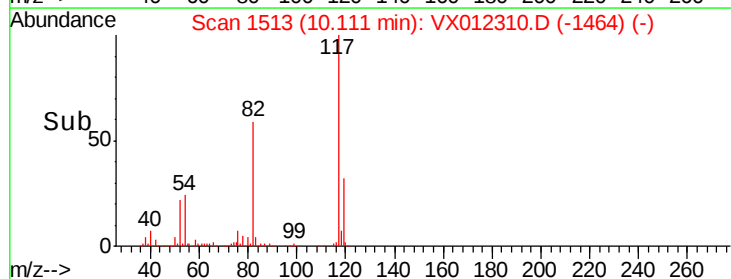
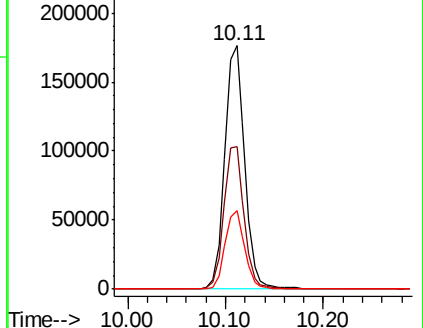
119 32.4 26.6 39.8

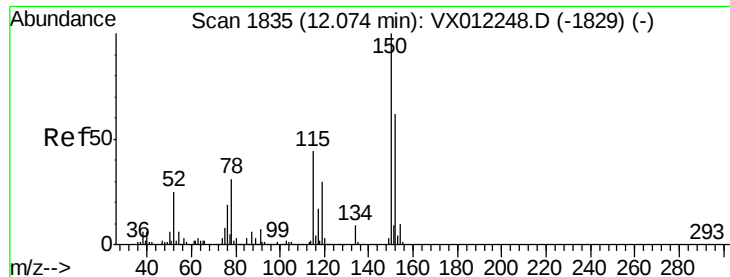


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

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: VX012310.D

Acq: 11 Sep 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

T11-D1-(0)

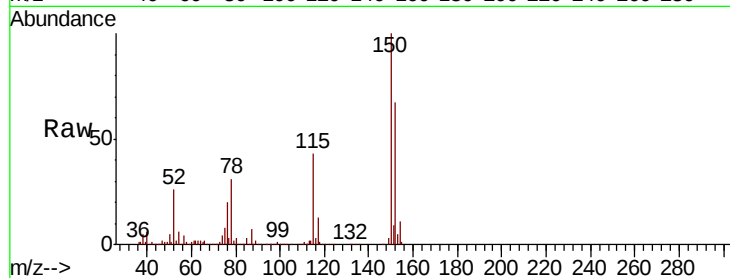
Tgt Ion:152 Resp: 103301

Ion Ratio Lower Upper

152 100

115 64.6 45.5 136.4

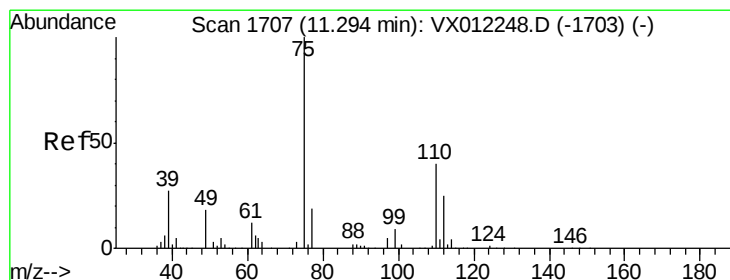
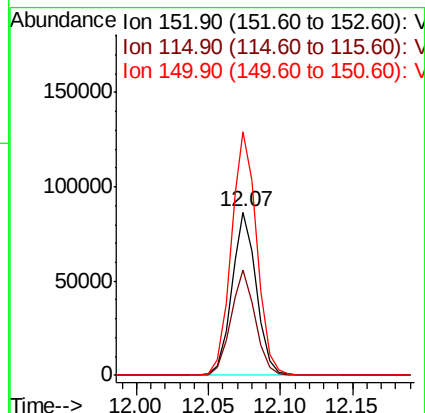
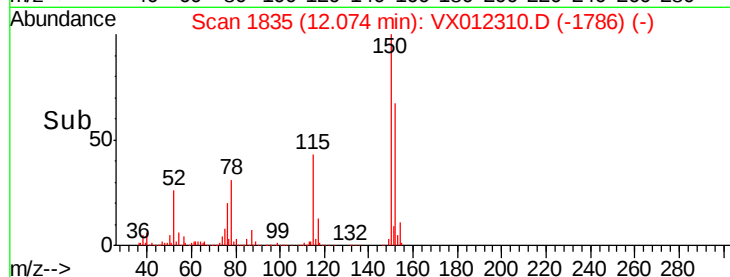
150 154.7 0.0 346.4



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: 49.162 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012310.D

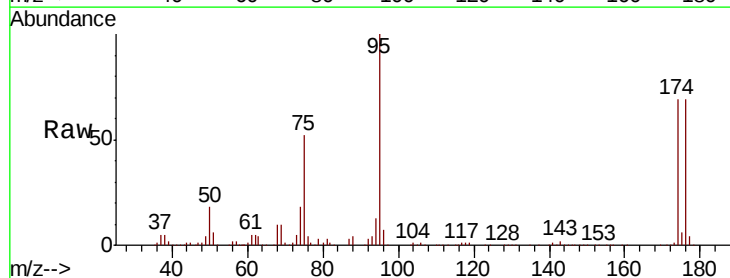
Acq: 11 Sep 2019 18:54

Tgt Ion: 75 Resp: 65240

Ion Ratio Lower Upper

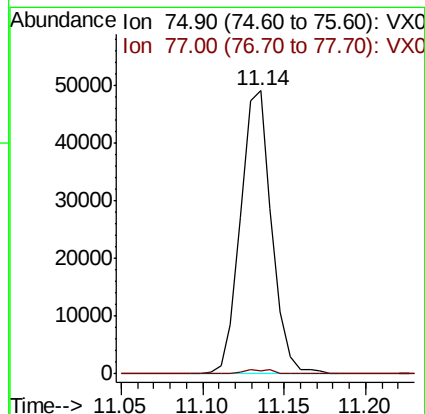
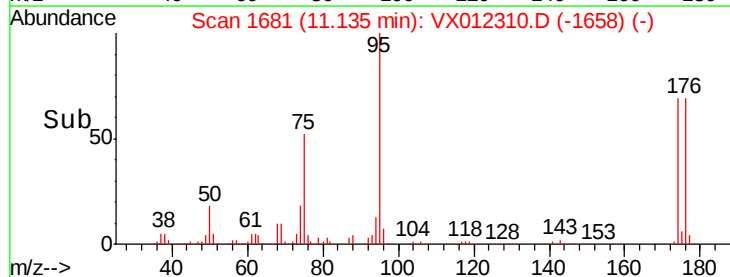
75 100

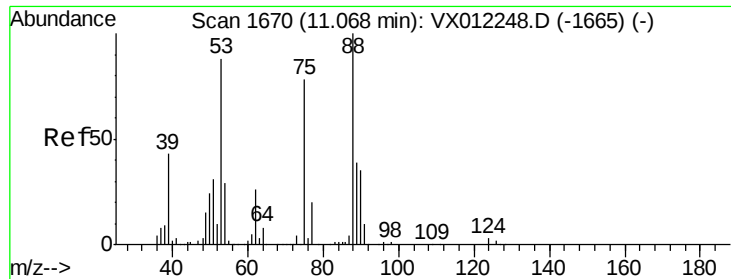
77 1.6 19.7 59.0#



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: 147.299 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012310.D

Acq: 11 Sep 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

T11-D1-(0)

Tgt Ion: 75 Resp: 65240

Ion Ratio Lower Upper

75 100

53 0.1 88.1 132.1#

89 0.0 43.5 65.3#

