

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083119\
 Data File : VX011958.D
 Acq On : 31 Aug 2019 18:39
 Operator : SY/SP
 Sample : K4526-06
 Misc : 4.91g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-F1-(0)

Quant Time: Sep 01 01:52:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	215670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	271495	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	113744	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	85470	41.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.72%	
35) Dibromofluoromethane	5.48	113	78828	45.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.56%	
50) Toluene-d8	8.71	98	306667	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	11.13	95	106134	38.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.76%	

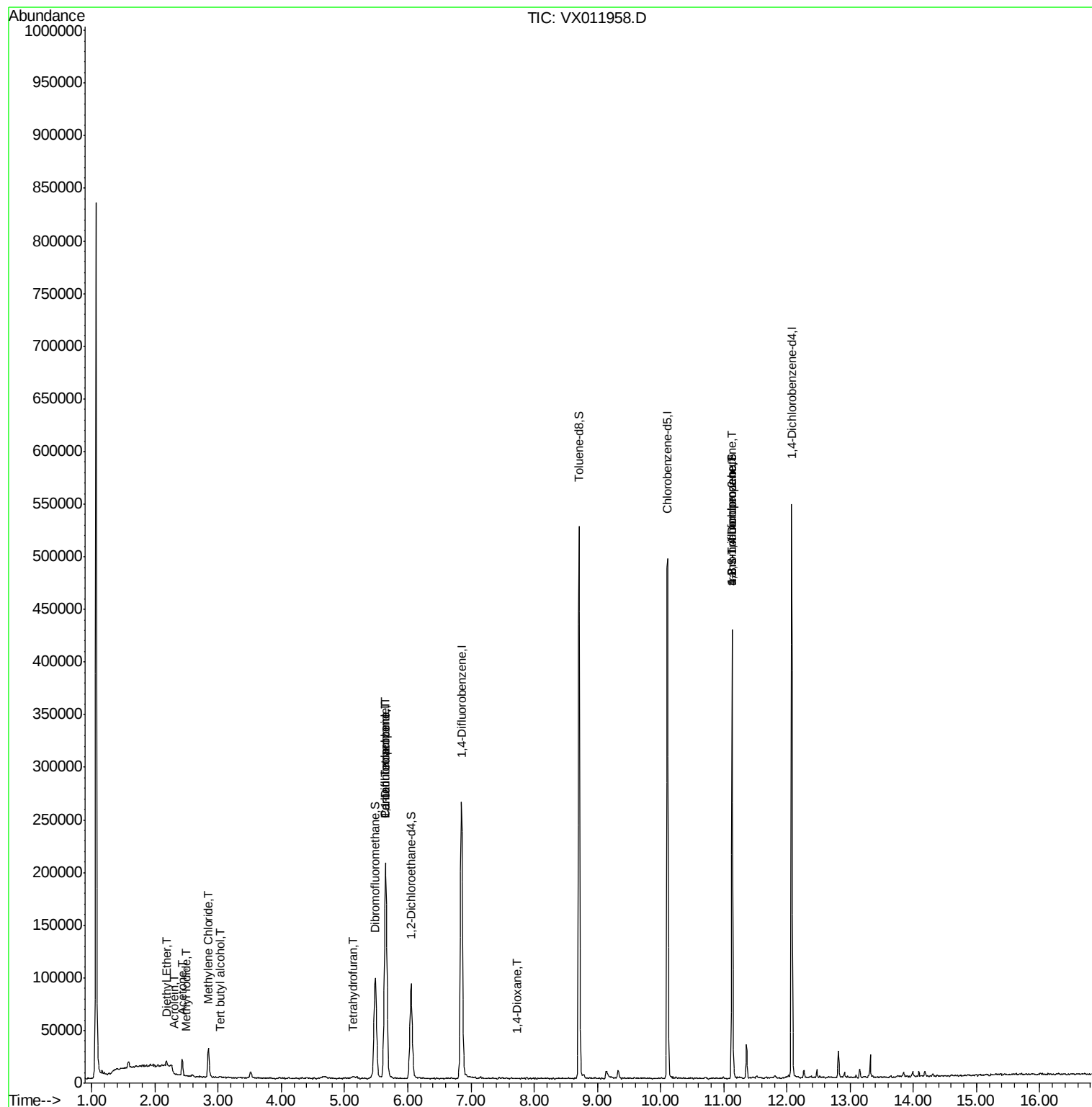
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1366	1.588	ug/l	90
10) Methyl Iodide	2.50	142	278	3.821	ug/l #	50
11) Tert butyl alcohol	3.03	59	1274	6.409	ug/l	99
13) Acrolein	2.31	56	122	1.233	ug/l #	45
16) Acetone	2.43	43	17282	38.872	ug/l	97
20) Methylene Chloride	2.84	84	12984	2.144	ug/l	93
29) Tetrahydrofuran	5.13	42	2550	6.309	ug/l #	87
36) 1,1-Dichloropropene	5.64	75	13160	6.118	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18237	7.311	ug/l #	16
49) 1,4-Dioxane	7.73	88	22	1.274	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	53313	47.648	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	53313	119.699	ug/l #	11

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

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T9-12-13-F1-(0)

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Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:59:05 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: VX011958.D

Acq: 31 Aug 2019 18:39

Instrument :

MSVOA_X

ClientSampleId :

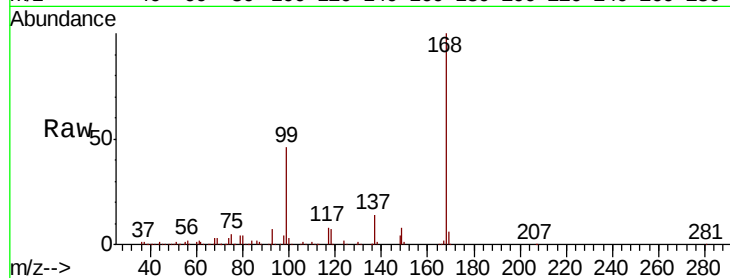
T9-12-13-F1-(0)

Tgt Ion:168 Resp: 215670

Ion Ratio Lower Upper

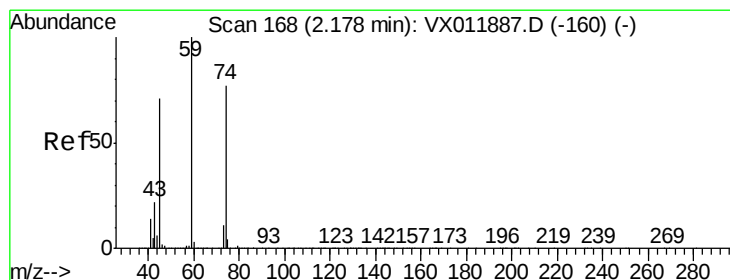
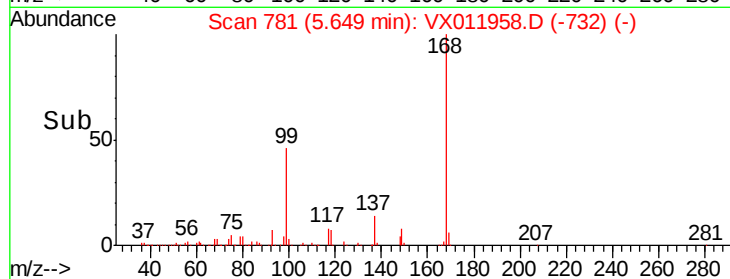
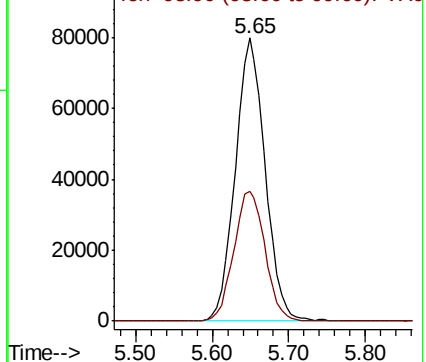
168 100

99 45.8 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 1.588 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX011958.D

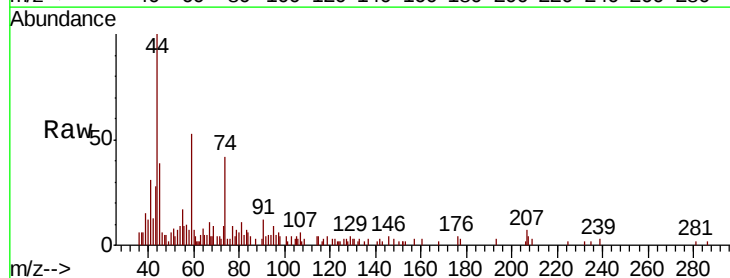
Acq: 31 Aug 2019 18:39

Tgt Ion: 74 Resp: 1366

Ion Ratio Lower Upper

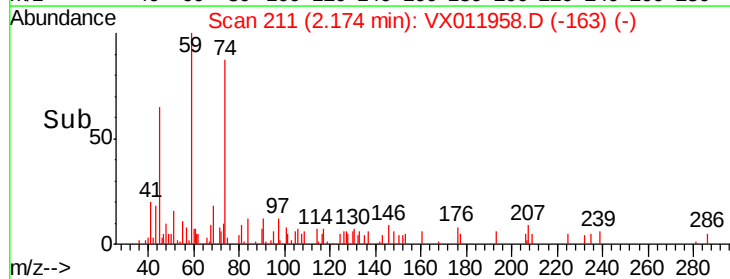
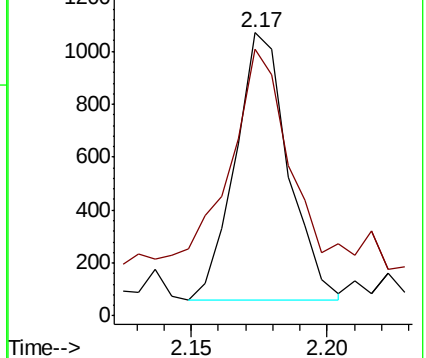
74 100

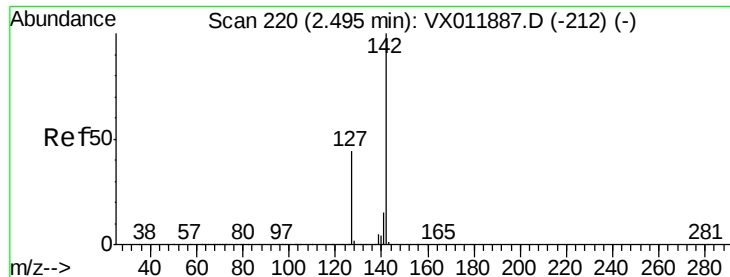
45 103.4 46.7 140.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

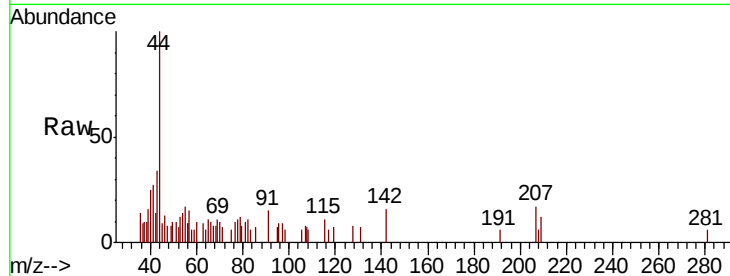




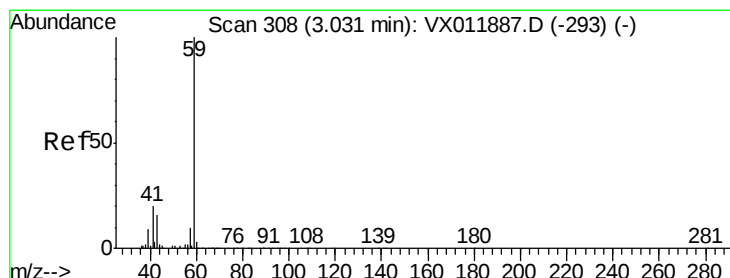
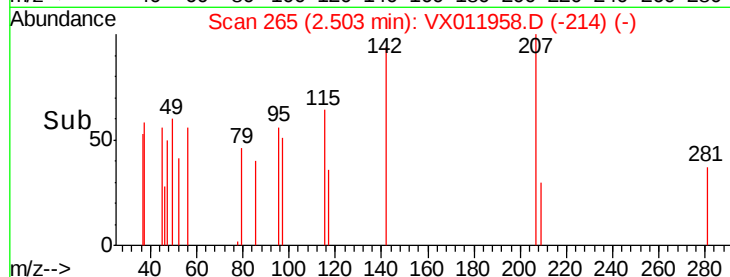
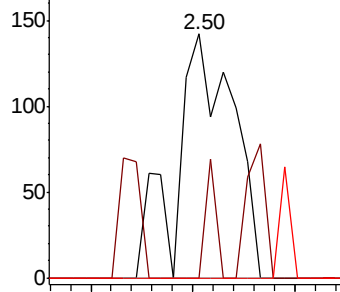
#10
Methyl Iodide
Concen: 3.821 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011958.D
Acq: 31 Aug 2019 18:39

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-F1-(0)

Tgt Ion:142 Resp: 278
Ion Ratio Lower Upper
142 100
127 9.0 35.7 53.5#
141 0.0 11.8 17.6#

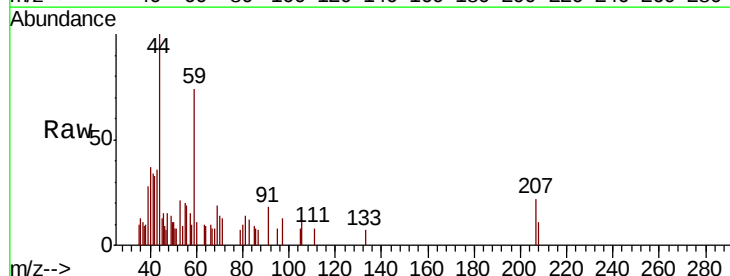


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

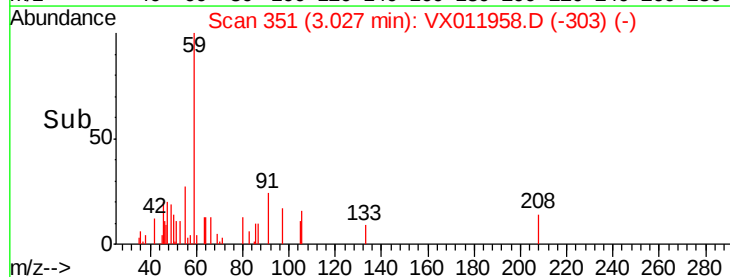
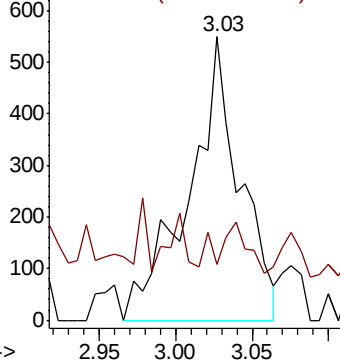


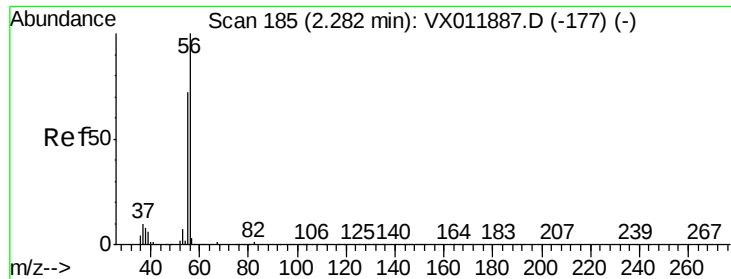
#11
Tert butyl alcohol
Concen: 6.409 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX011958.D
Acq: 31 Aug 2019 18:39

Tgt Ion: 59 Resp: 1274
Ion Ratio Lower Upper
59 100
57 10.4 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

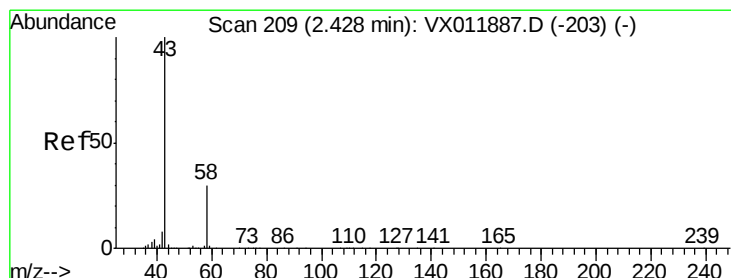
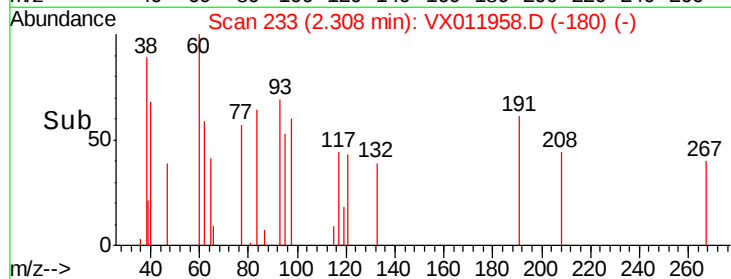
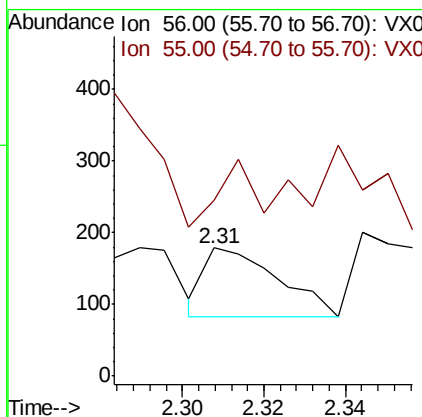
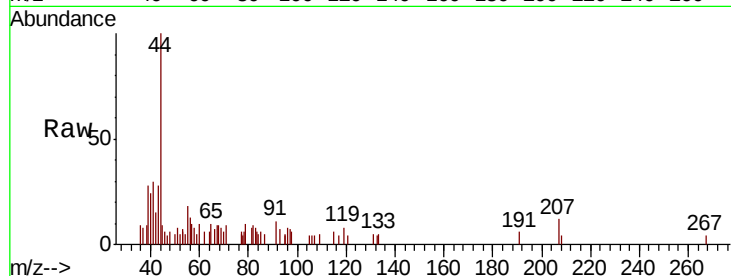




#13
Acrolein
Concen: 1.233 ug/l
RT: 2.31 min Scan# 233
Delta R.T. 0.03 min
Lab File: VX011958.D
Acq: 31 Aug 2019 18:39

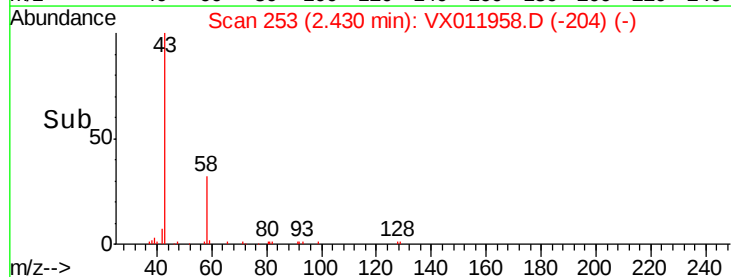
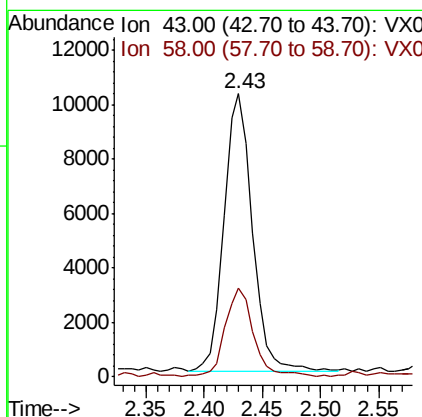
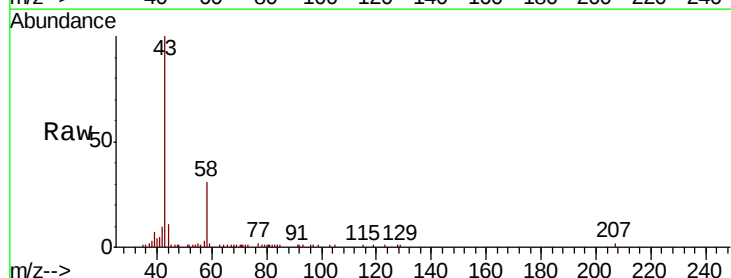
Instrument :
MSVOA_X
ClientSampled :
T9-12-13-F1-(0)

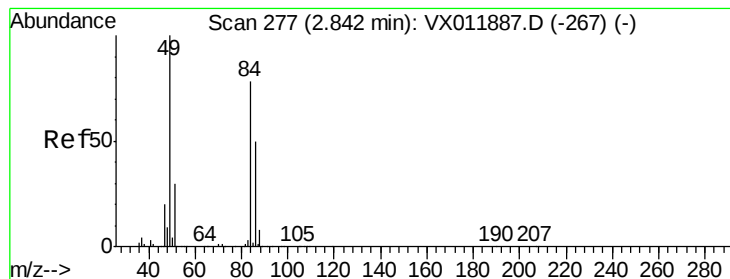
Tgt Ion: 56 Resp: 122
Ion Ratio Lower Upper
56 100
55 27.0 58.6 88.0#



#16
Acetone
Concen: 38.872 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX011958.D
Acq: 31 Aug 2019 18:39

Tgt Ion: 43 Resp: 17282
Ion Ratio Lower Upper
43 100
58 31.5 23.8 35.8





#20

Methylene Chloride

Concen: 2.144 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX011958.D

Acq: 31 Aug 2019 18:39

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-F1-(0)

Tgt Ion: 84 Resp: 12984

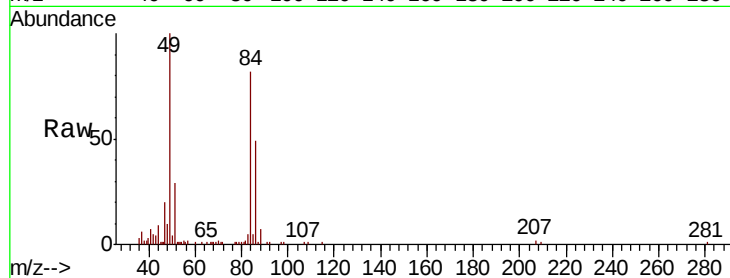
Ion Ratio Lower Upper

84 100

49 120.7 103.0 154.4

51 32.1 30.8 46.2

86 60.2 51.3 76.9

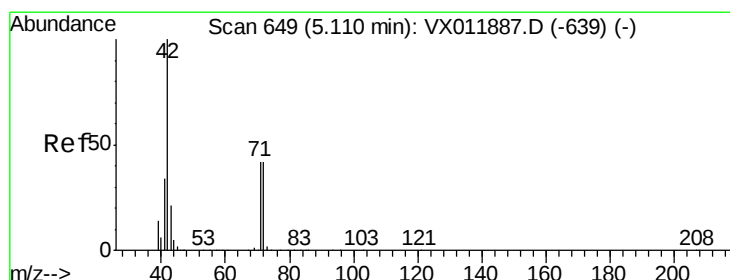
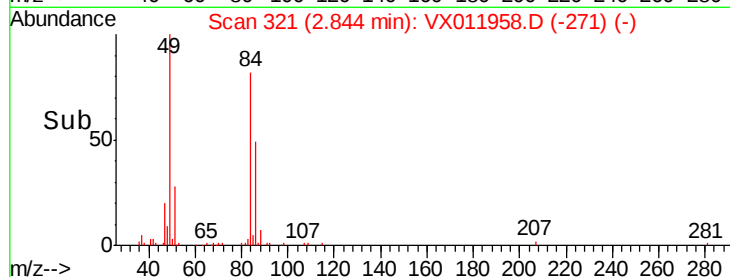
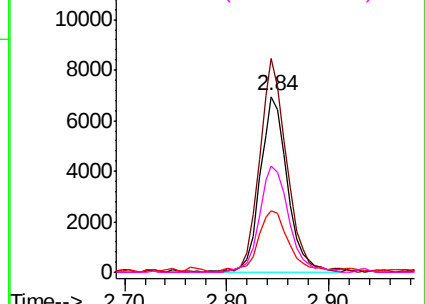


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#29

Tetrahydrofuran

Concen: 6.309 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX011958.D

Acq: 31 Aug 2019 18:39

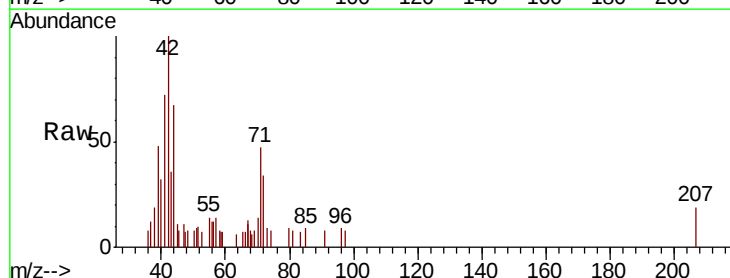
Tgt Ion: 42 Resp: 2550

Ion Ratio Lower Upper

42 100

72 30.7 36.2 54.4#

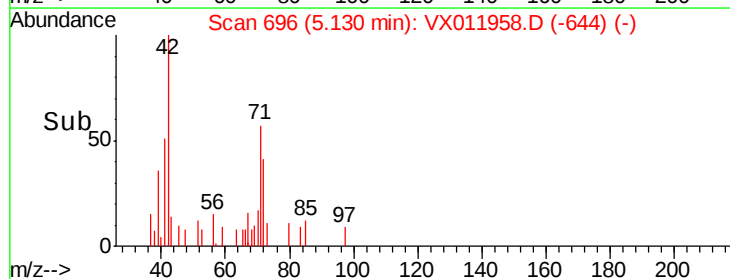
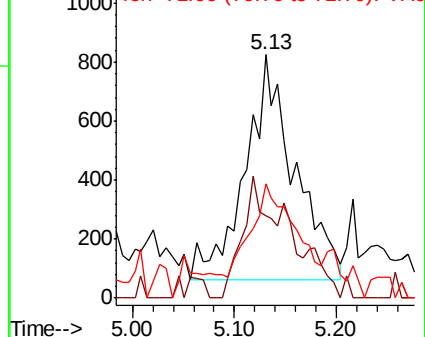
71 42.9 33.1 49.7

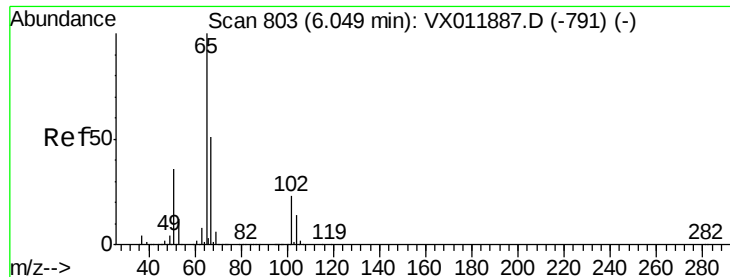


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 41.363 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011958.D

Acq: 31 Aug 2019 18:39

Instrument :

MSVOA_X

ClientSampleId :

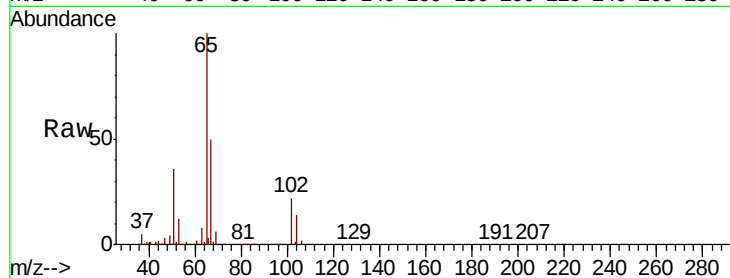
T9-12-13-F1-(0)

Tgt Ion: 65 Resp: 85470

Ion Ratio Lower Upper

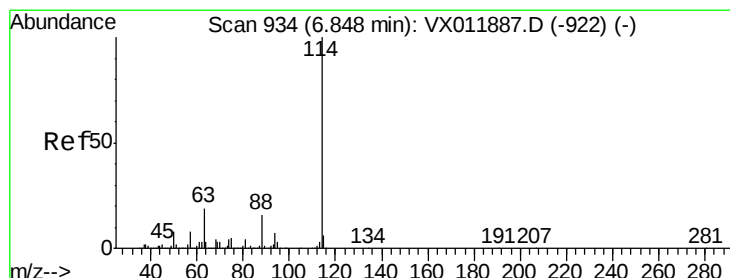
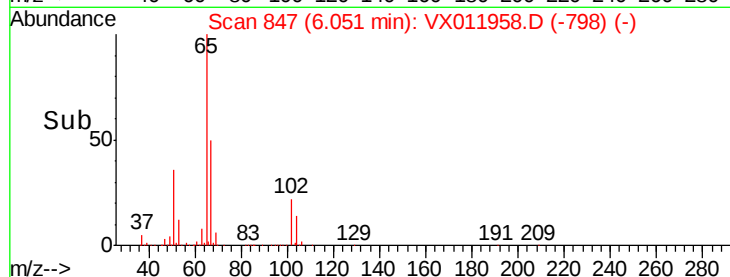
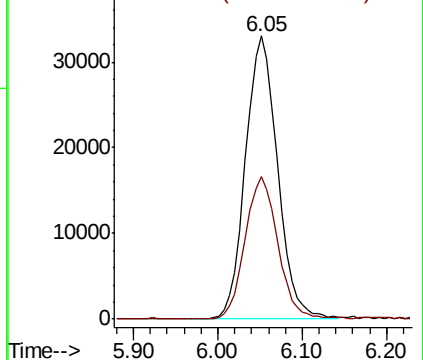
65 100

67 50.7 0.0 102.2



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: VX011958.D

Acq: 31 Aug 2019 18:39

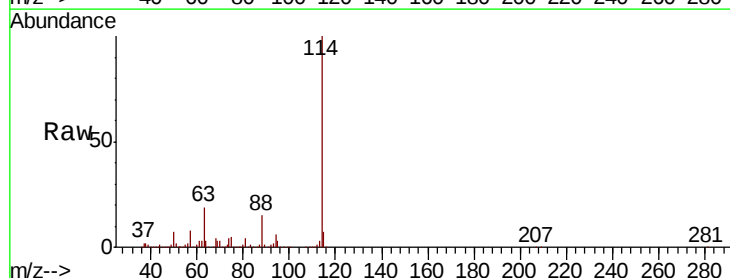
Tgt Ion: 114 Resp: 271495

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.8

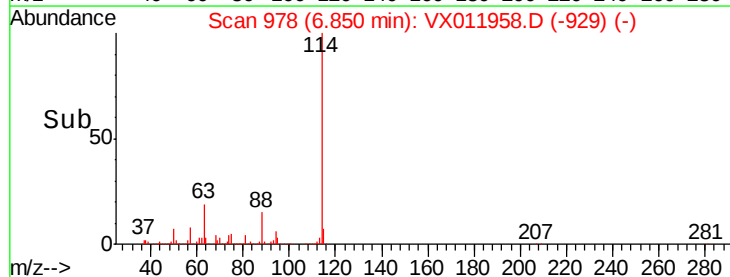
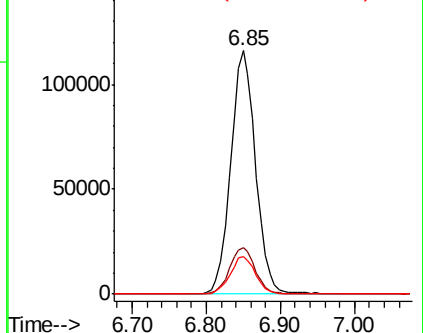
88 15.2 0.0 31.2

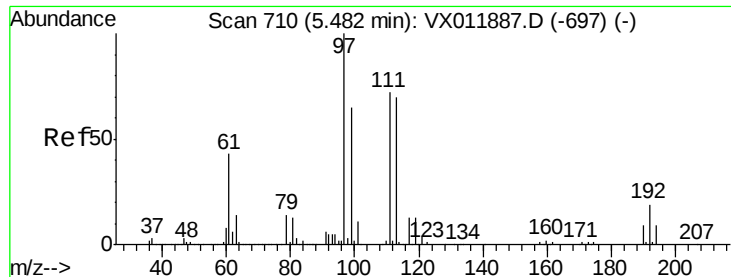


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.279 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011958.D

Acq: 31 Aug 2019 18:39

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T9-12-13-F1-(0)

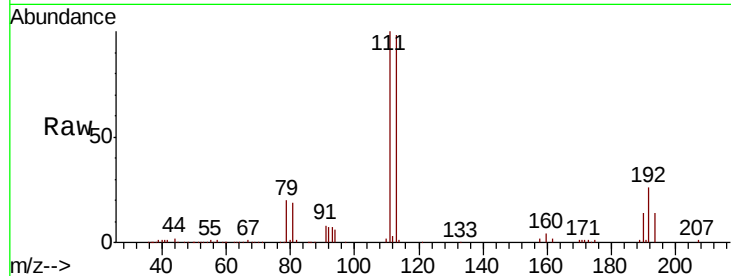
Tgt Ion:113 Resp: 78828

Ion Ratio Lower Upper

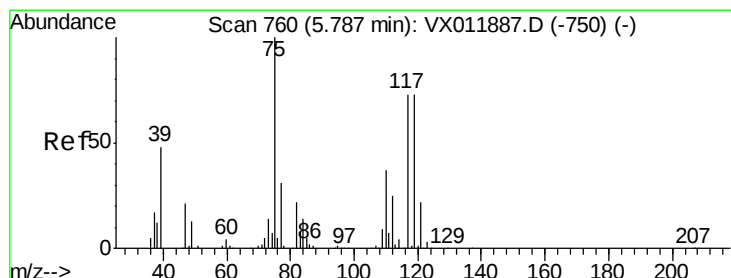
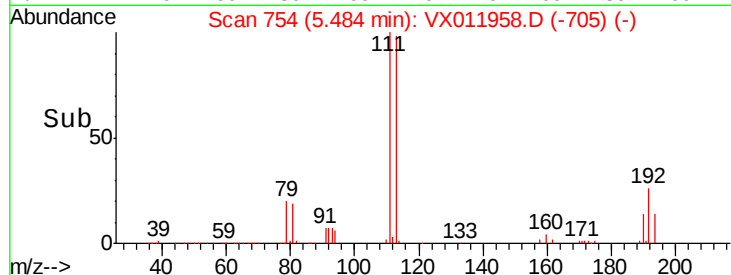
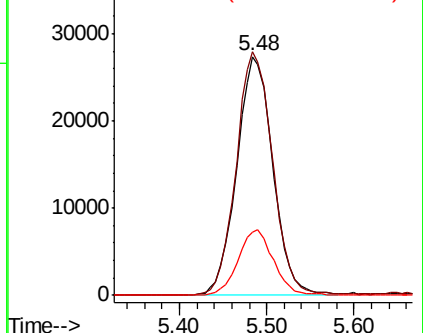
113 100

111 102.6 82.1 123.1

192 26.7 21.5 32.3



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: 6.118 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.14 min

Lab File: VX011958.D

Acq: 31 Aug 2019 18:39

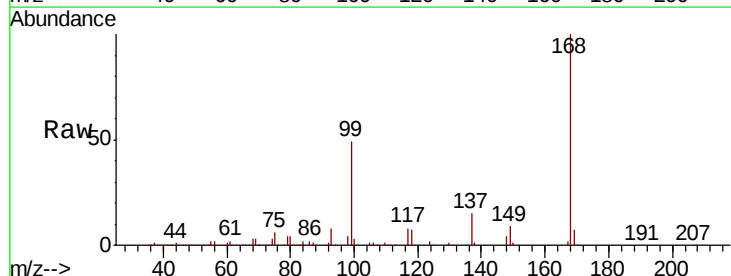
Tgt Ion: 75 Resp: 13160

Ion Ratio Lower Upper

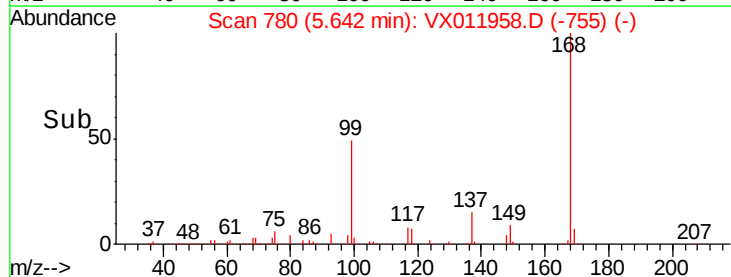
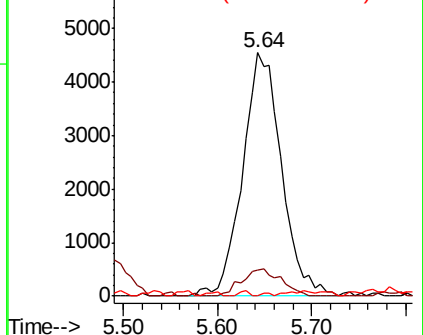
75 100

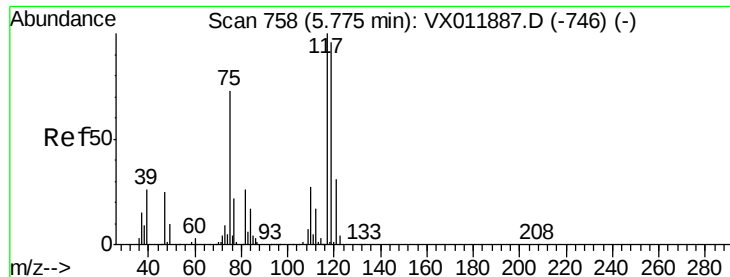
110 11.2 19.1 57.3#

77 0.3 24.4 36.6#



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: 7.311 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX011958.D

Acq: 31 Aug 2019 18:39

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-F1-(0)

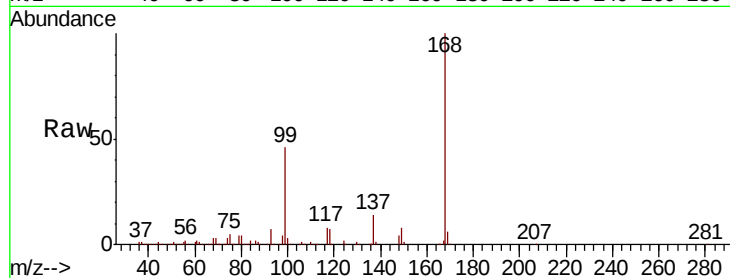
Tgt Ion:117 Resp: 18237

Ion Ratio Lower Upper

117 100

119 5.3 76.6 114.8#

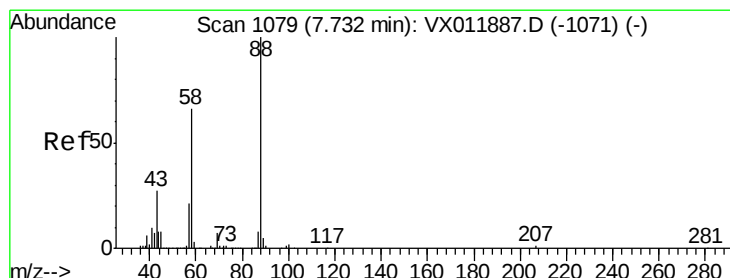
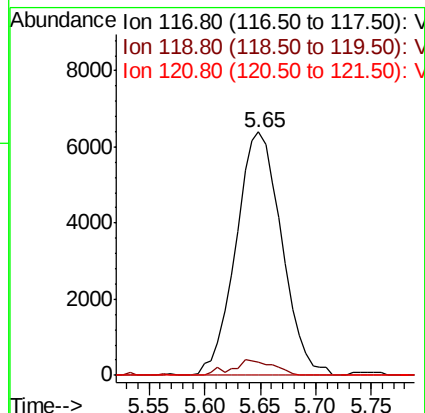
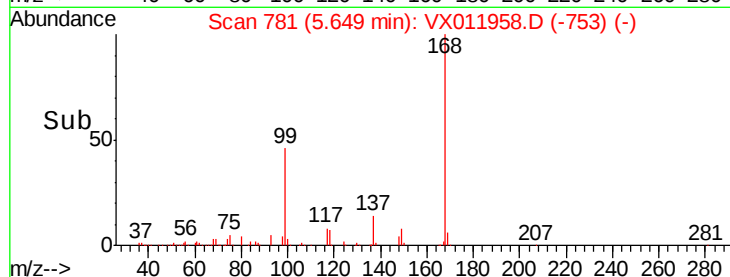
121 0.0 24.7 37.1#



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: 1.274 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX011958.D

Acq: 31 Aug 2019 18:39

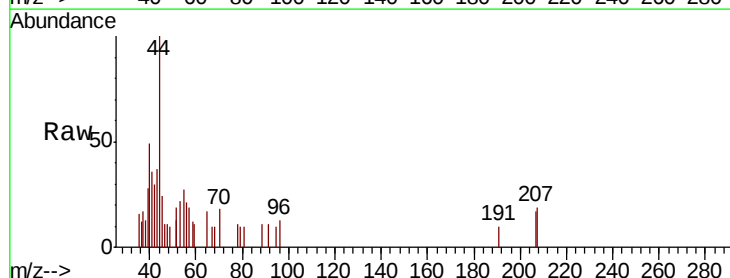
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 500.0 27.3 40.9#

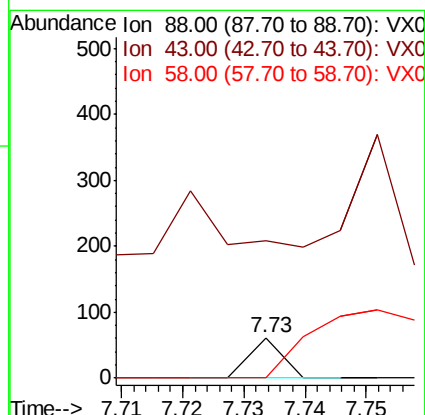
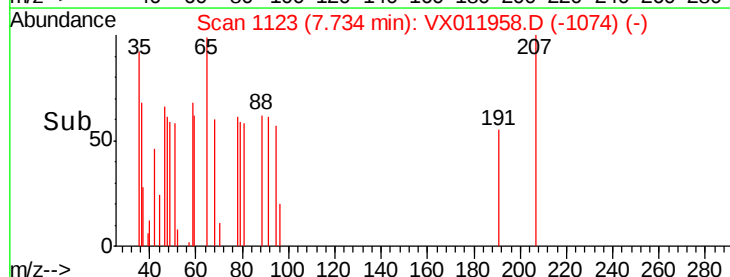
58 0.0 53.9 80.9#

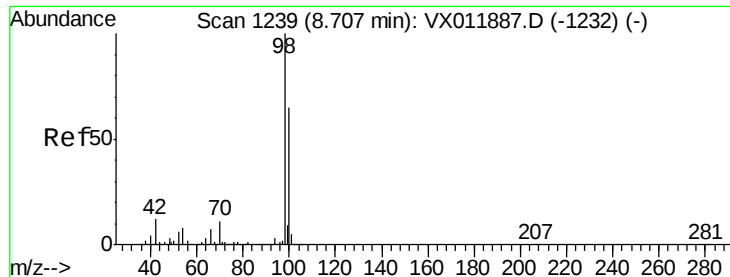


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

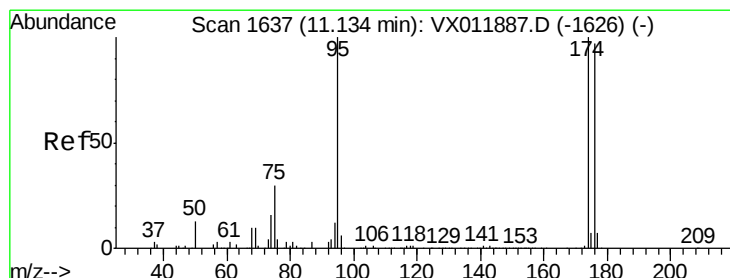
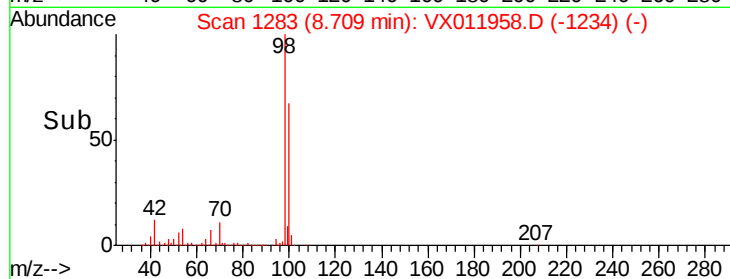
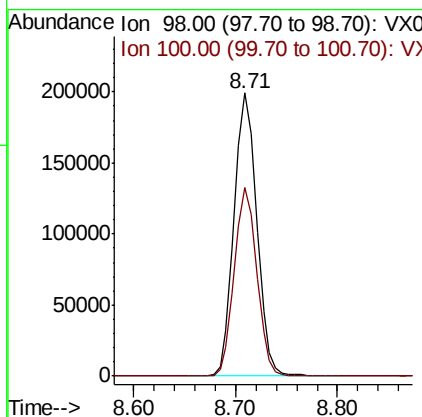
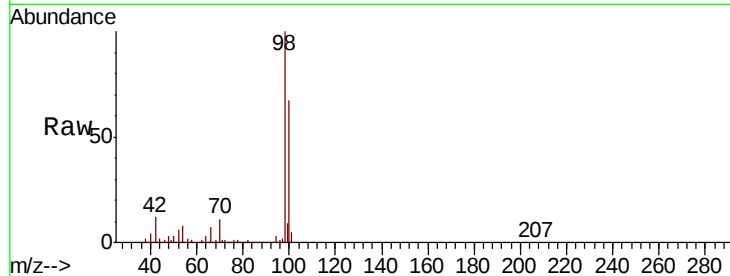




#50
Toluene-d8
Concen: 49.277 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011958.D
Acq: 31 Aug 2019 18:39

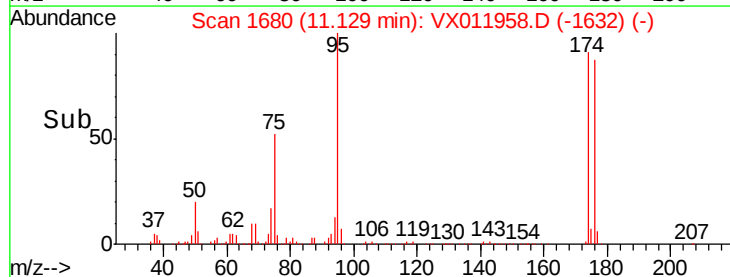
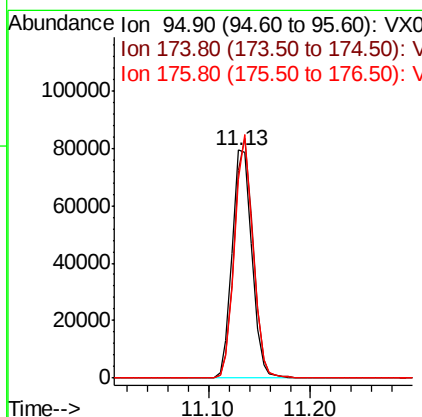
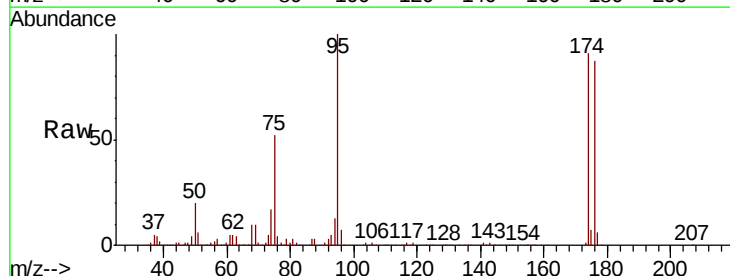
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-F1-(0)

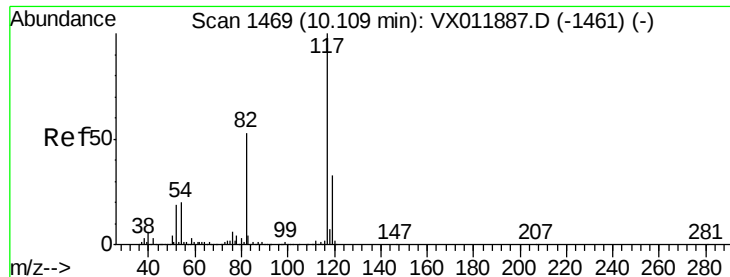
Tgt Ion: 98 Resp: 306667
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 38.878 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX011958.D
Acq: 31 Aug 2019 18:39

Tgt Ion: 95 Resp: 106134
Ion Ratio Lower Upper
95 100
174 100.0 0.0 196.0
176 98.0 0.0 191.4

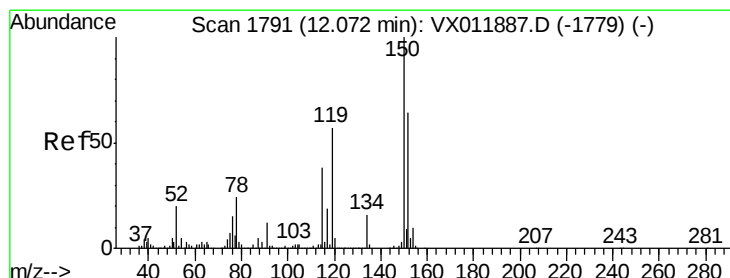
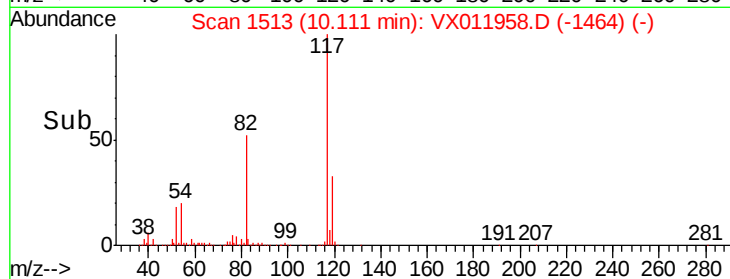
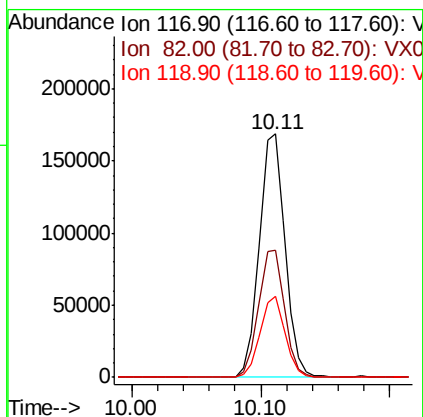
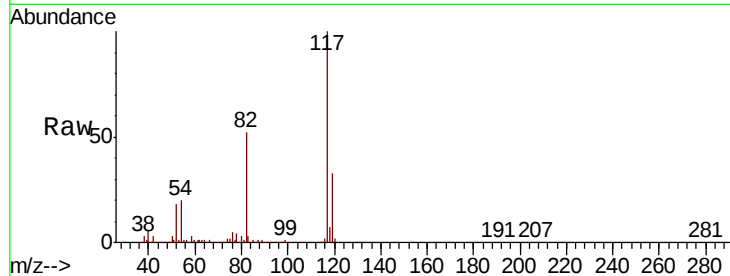




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011958.D
Acq: 31 Aug 2019 18:39

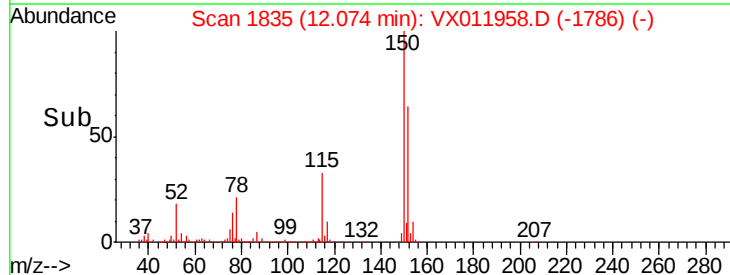
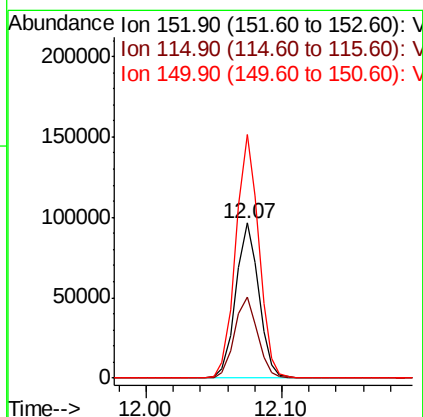
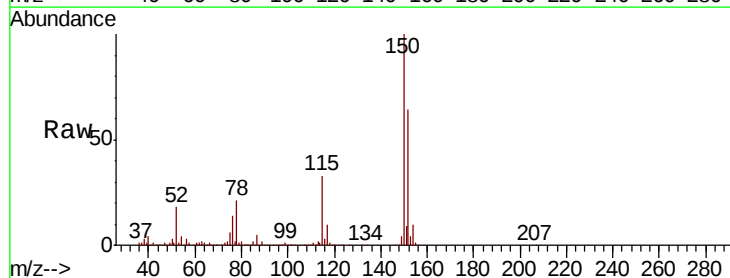
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-F1-(0)

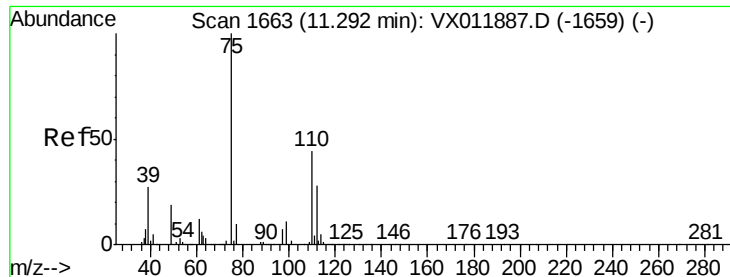
Tgt Ion:117 Resp: 231716
Ion Ratio Lower Upper
117 100
82 52.3 42.0 63.0
119 33.3 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011958.D
Acq: 31 Aug 2019 18:39

Tgt Ion:152 Resp: 113744
Ion Ratio Lower Upper
152 100
115 52.7 37.1 111.3
150 157.8 0.0 339.6

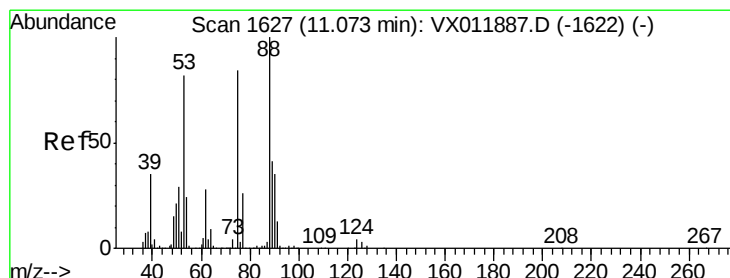
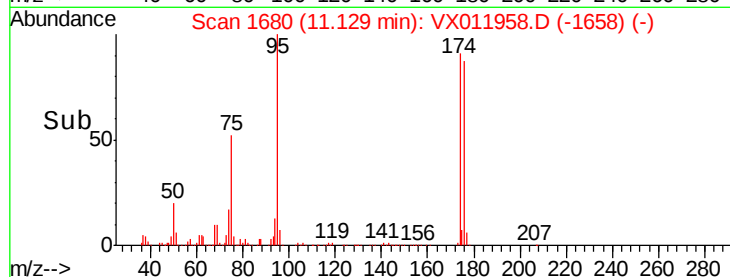
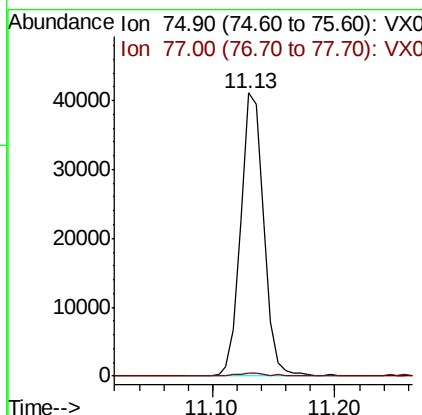
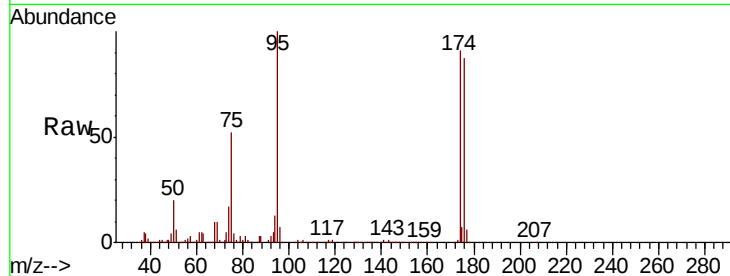




#76
 1,2,3-Trichloropropane
 Concen: 47.648 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX011958.D
 Acq: 31 Aug 2019 18:39

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-F1-(0)

Tgt Ion: 75 Resp: 53313
 Ion Ratio Lower Upper
 75 100
 77 1.6 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.699 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX011958.D
 Acq: 31 Aug 2019 18:39

Tgt Ion: 75 Resp: 53313
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.1 115.7#
 89 0.0 38.2 57.2#

