

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083119\
 Data File : VX011969.D
 Acq On : 01 Sep 2019 00:44
 Operator : SY/SP
 Sample : K4526-11
 Misc : 5.45g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-F2-(1.9)

Quant Time: Sep 01 01:55:47 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	431304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	544444	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	478413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	254839	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	169464	41.01	ug/l	0.00
Spiked Amount			Recovery	=	82.02%	
35) Dibromofluoromethane	5.48	113	157228	45.04	ug/l	0.00
Spiked Amount			Recovery	=	90.08%	
50) Toluene-d8	8.71	98	609496	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.13	95	228359	41.71	ug/l	0.00
Spiked Amount			Recovery	=	83.42%	

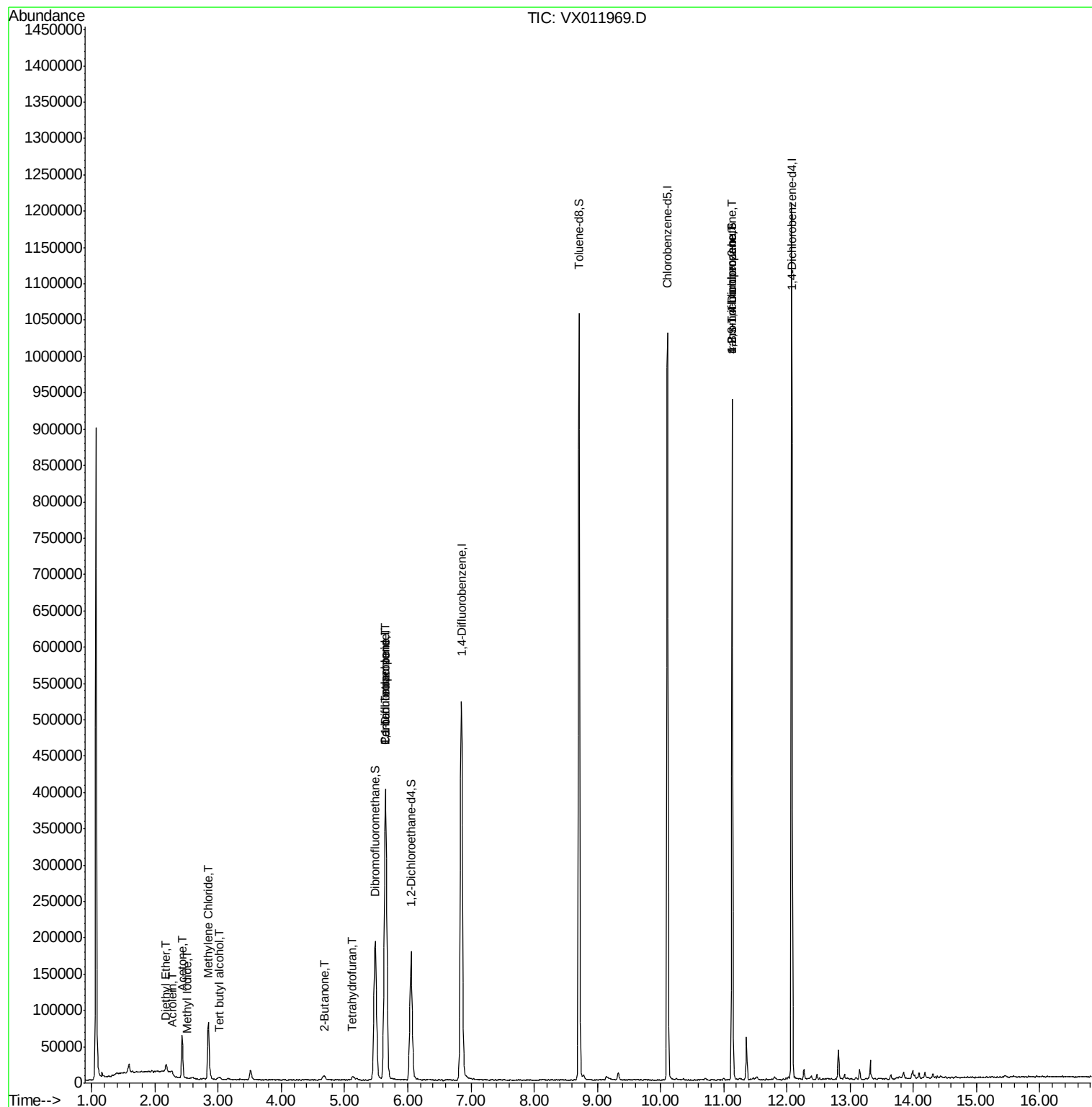
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	3986	2.318	ug/l	92
10) Methyl Iodide	2.51	142	705	3.860	ug/l	95
11) Tert butyl alcohol	3.02	59	3578	9.000	ug/l	96
13) Acrolein	2.28	56	261	1.319	ug/l #	46
16) Acetone	2.43	43	62568	70.372	ug/l	99
20) Methylene Chloride	2.84	84	37831	5.613	ug/l	95
25) 2-Butanone	4.68	43	1383	1.068	ug/l #	88
29) Tetrahydrofuran	5.12	42	4718	5.837	ug/l #	89
36) 1,1-Dichloropropene	5.65	75	25474	5.906	ug/l #	50
38) Carbon Tetrachloride	5.64	117	36730	7.342	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	112316	44.803	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	112316	112.554	ug/l #	11

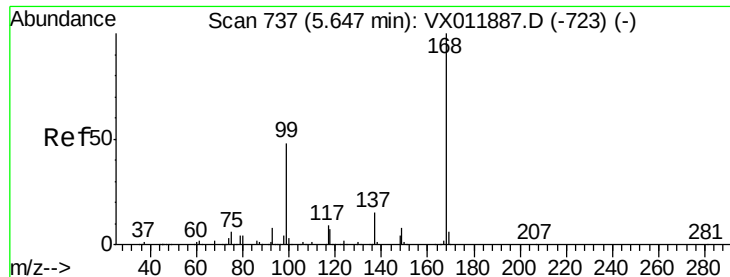
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX083119\
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Quant Title : SW846 8260
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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: VX011969.D

Acq: 01 Sep 2019 00:44

Instrument :

MSVOA_X

ClientSampleId :

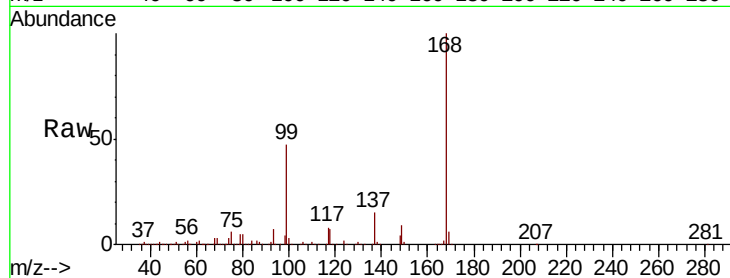
T9-12-13-F2-(1.9)

Tgt Ion:168 Resp: 431304

Ion Ratio Lower Upper

168 100

99 47.1 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

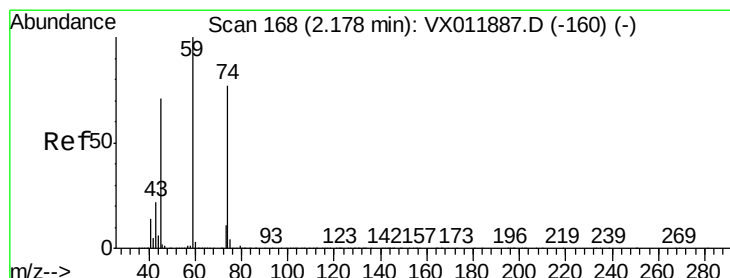
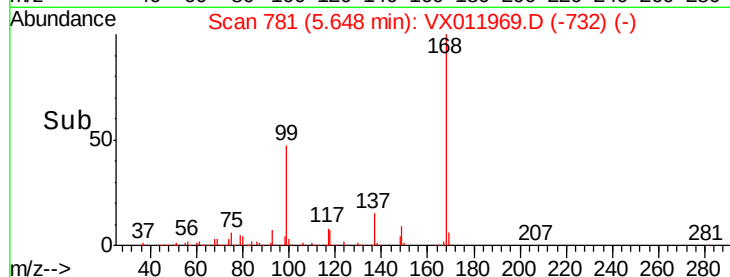
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#8

Diethyl Ether

Concen: 2.318 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX011969.D

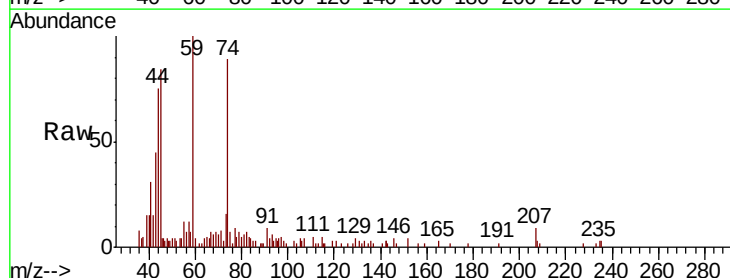
Acq: 01 Sep 2019 00:44

Tgt Ion: 74 Resp: 3986

Ion Ratio Lower Upper

74 100

45 85.5 46.7 140.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

3000

2500

2000

1500

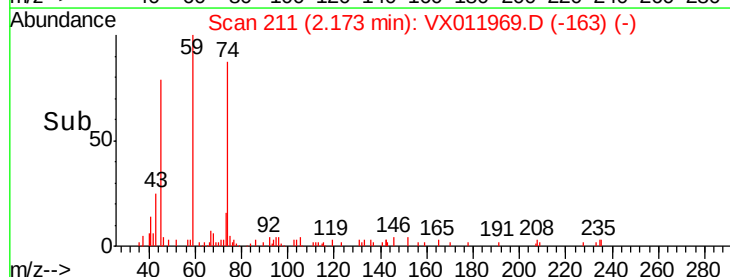
1000

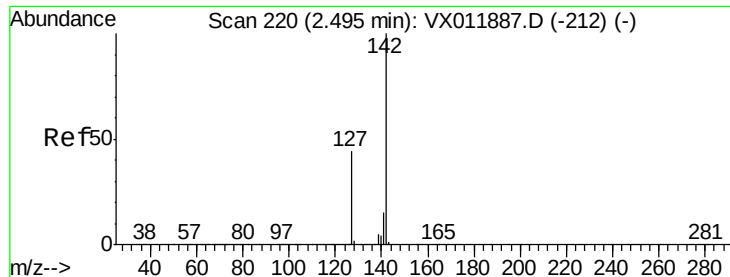
500

0

2.10 2.15 2.20 2.25

Time-->

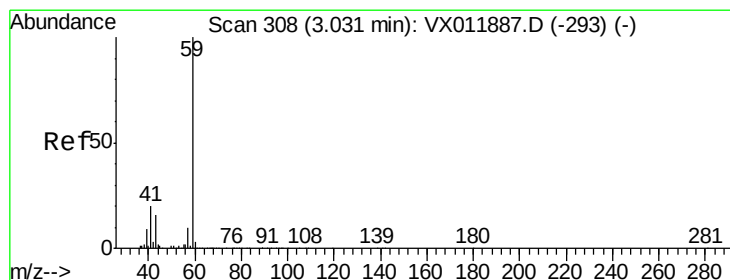
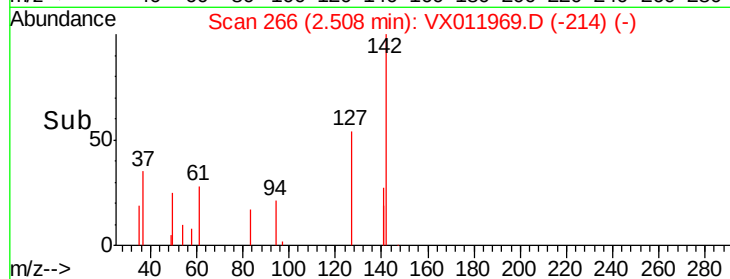
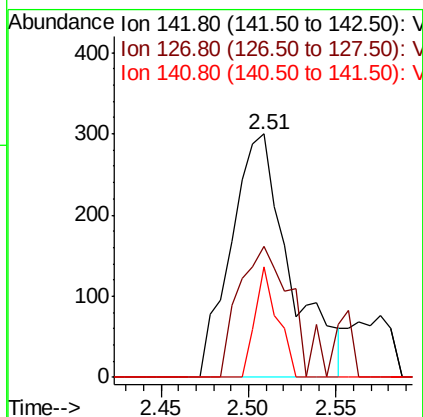
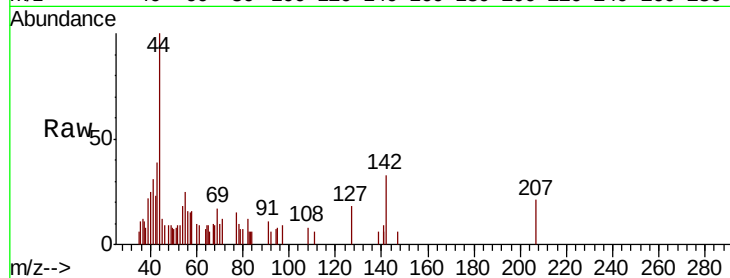




#10
Methyl Iodide
Concen: 3.860 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX011969.D
Acq: 01 Sep 2019 00:44

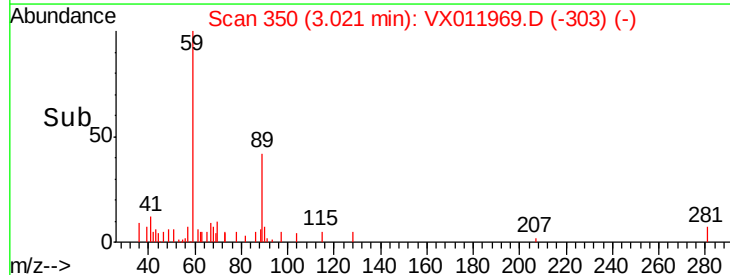
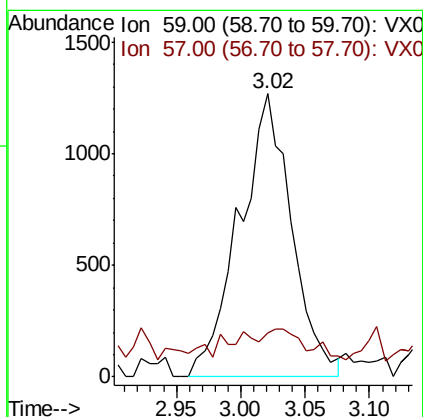
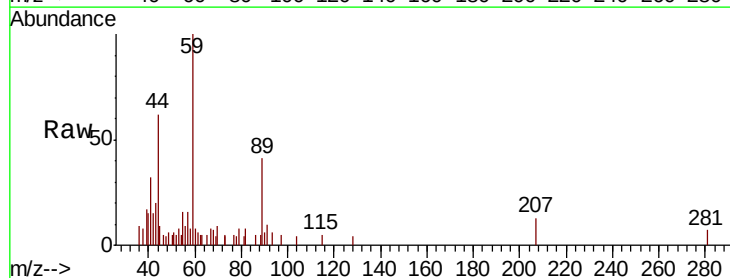
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-F2-(1.9)

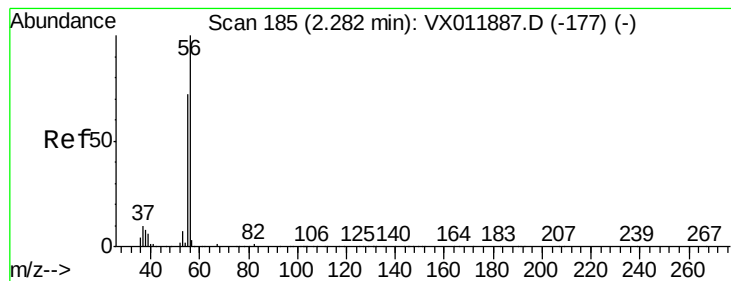
Tgt Ion: 142 Resp: 705
Ion Ratio Lower Upper
142 100
127 47.9 35.7 53.5
141 17.2 11.8 17.6



#11
Tert butyl alcohol
Concen: 9.000 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX011969.D
Acq: 01 Sep 2019 00:44

Tgt Ion: 59 Resp: 3578
Ion Ratio Lower Upper
59 100
57 9.2 8.6 12.8





#13

Acrolein

Concen: 1.319 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX011969.D

Acq: 01 Sep 2019 00:44

Instrument :

MSVOA_X

ClientSampleId :

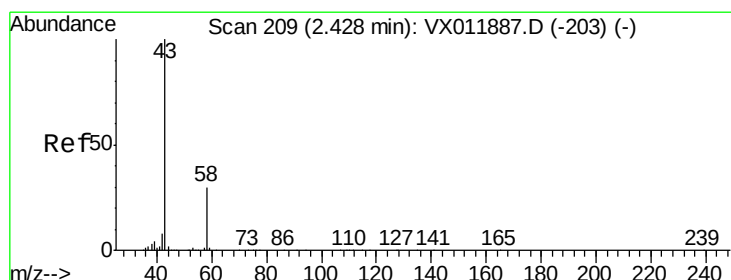
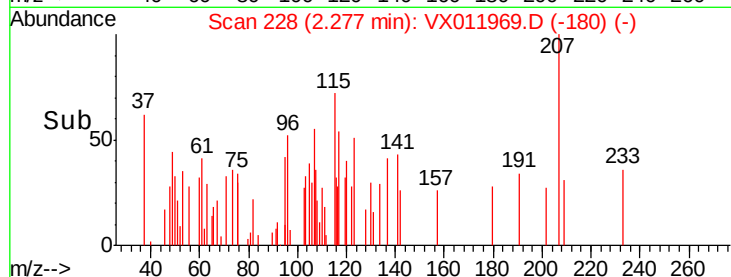
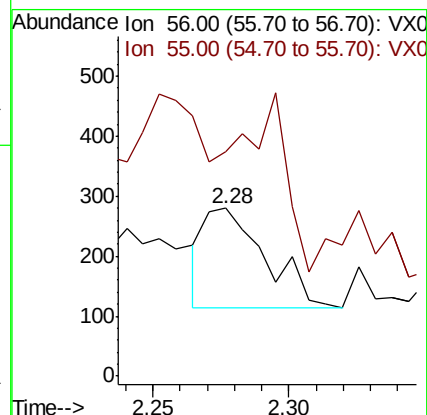
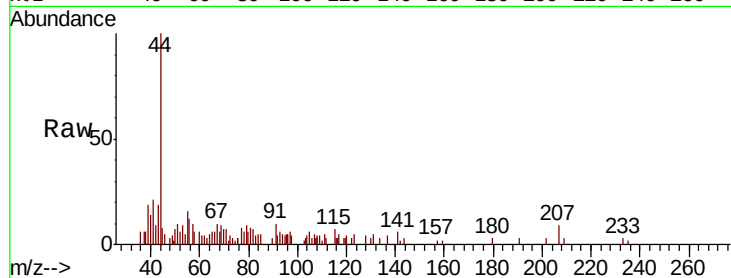
T9-12-13-F2-(1.9)

Tgt Ion: 56 Resp: 261

Ion Ratio Lower Upper

56 100

55 118.4 58.6 88.0#



#16

Acetone

Concen: 70.372 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011969.D

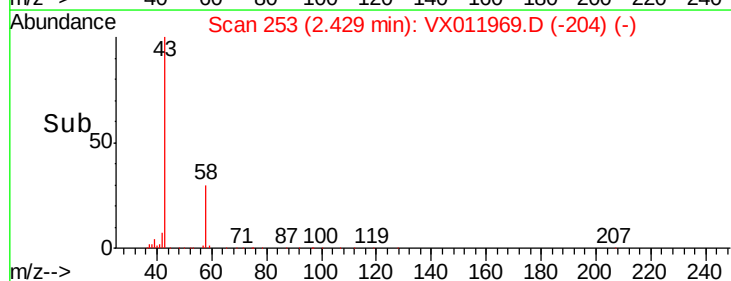
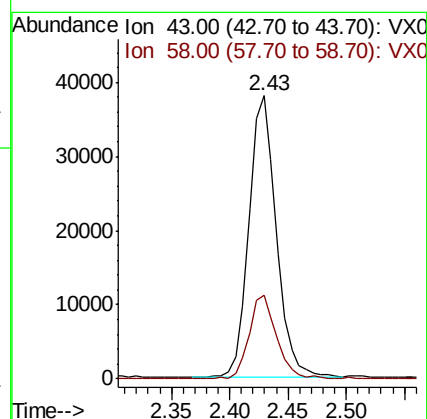
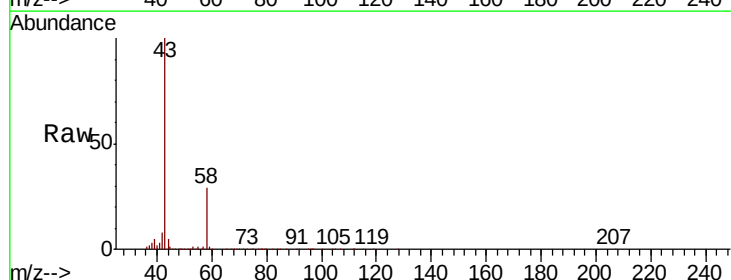
Acq: 01 Sep 2019 00:44

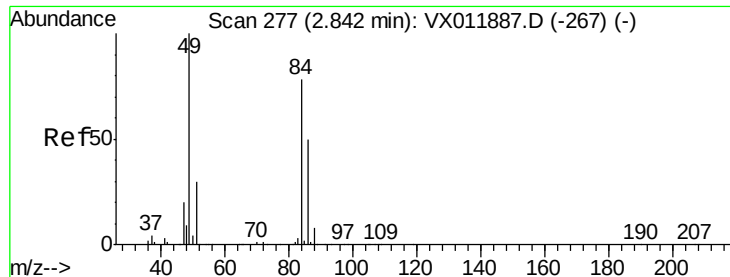
Tgt Ion: 43 Resp: 62568

Ion Ratio Lower Upper

43 100

58 29.5 23.8 35.8

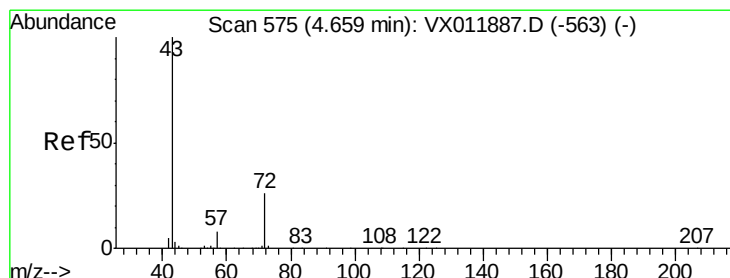
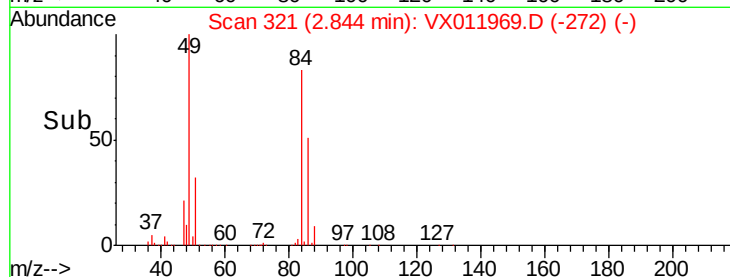
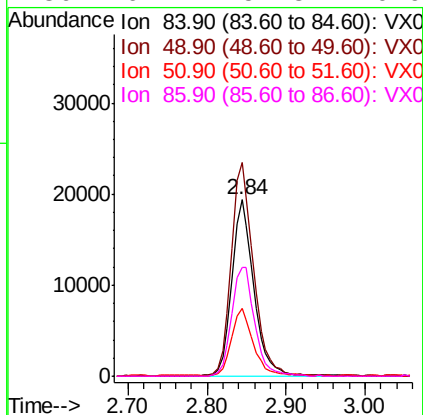
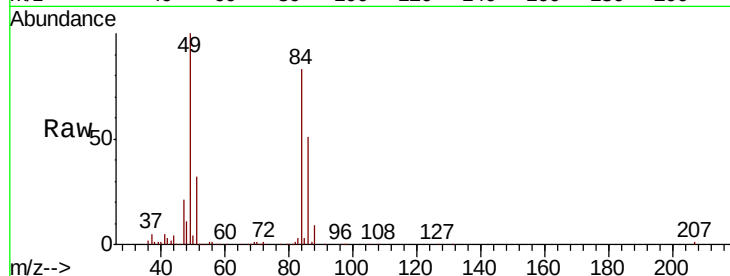




#20
Methylene Chloride
Concen: 5.613 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX011969.D
Acq: 01 Sep 2019 00:44

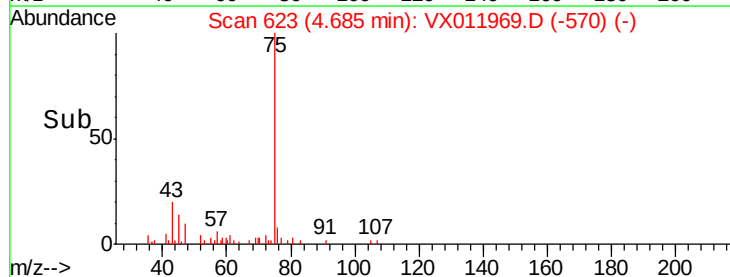
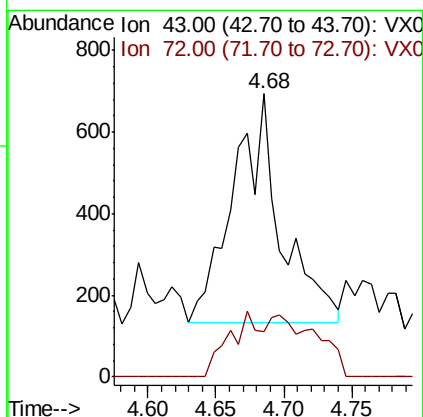
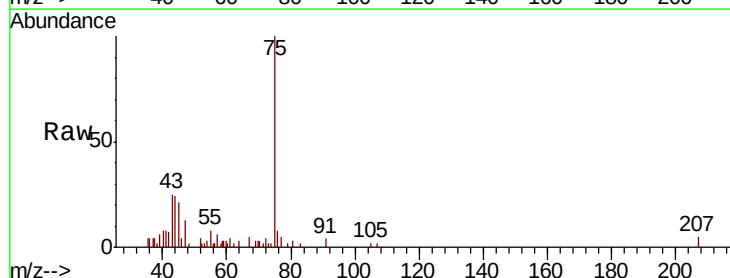
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-F2-(1.9)

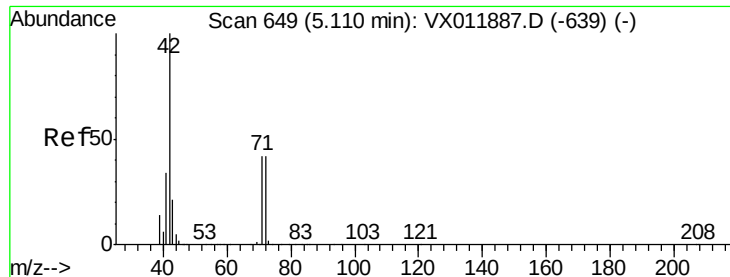
Tgt Ion: 84 Resp: 37831
Ion Ratio Lower Upper
84 100
49 120.6 103.0 154.4
51 38.2 30.8 46.2
86 61.4 51.3 76.9



#25
2-Butanone
Concen: 1.068 ug/l
RT: 4.68 min Scan# 623
Delta R.T. 0.03 min
Lab File: VX011969.D
Acq: 01 Sep 2019 00:44

Tgt Ion: 43 Resp: 1383
Ion Ratio Lower Upper
43 100
72 20.0 21.0 31.4#





#29

Tetrahydrofuran

Concen: 5.837 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX011969.D

Acq: 01 Sep 2019 00:44

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-F2-(1.9)

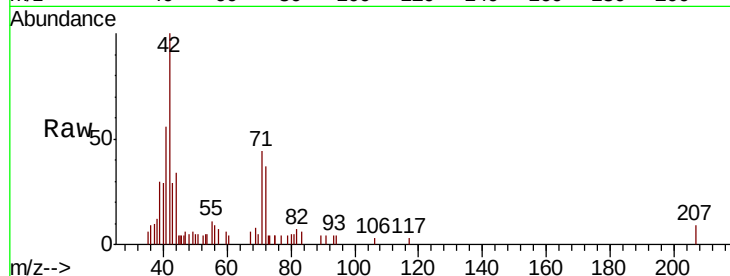
Tgt Ion: 42 Resp: 4718

Ion Ratio Lower Upper

42 100

72 47.5 36.2 54.4

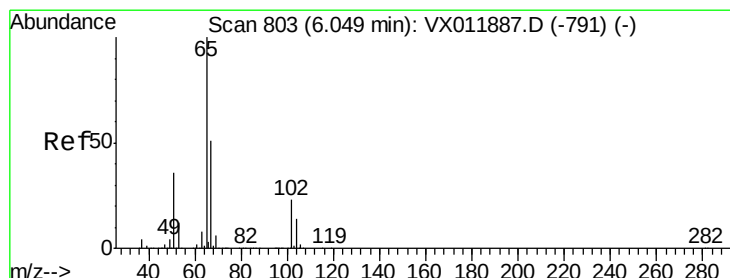
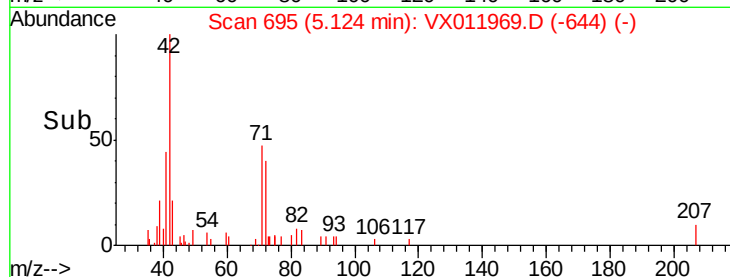
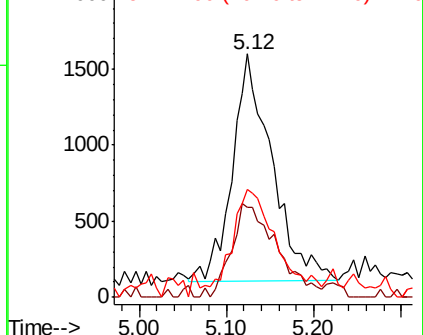
71 53.3 33.1 49.7#



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: 41.009 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011969.D

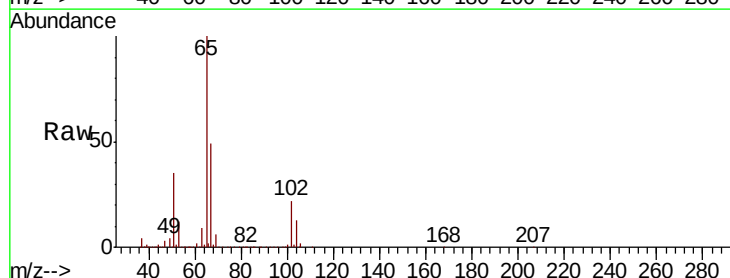
Acq: 01 Sep 2019 00:44

Tgt Ion: 65 Resp: 169464

Ion Ratio Lower Upper

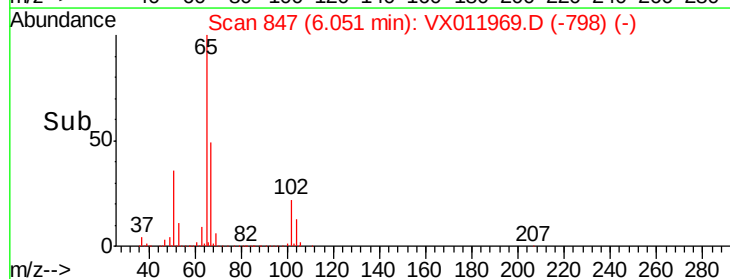
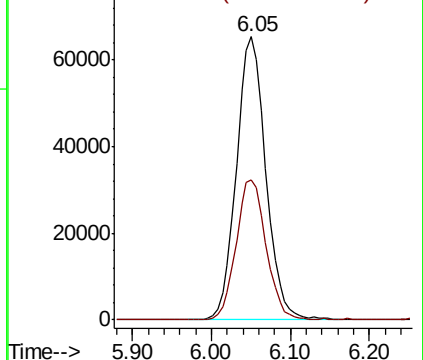
65 100

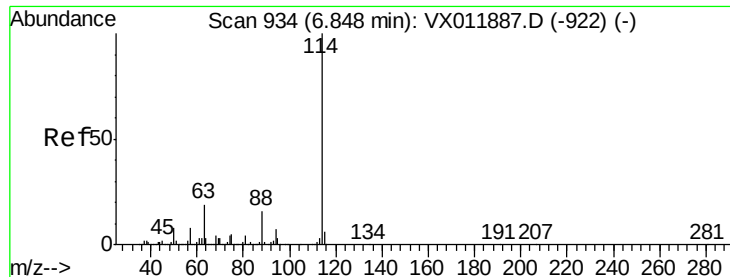
67 50.2 0.0 102.2



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: VX011969.D

Acq: 01 Sep 2019 00:44

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-F2-(1.9)

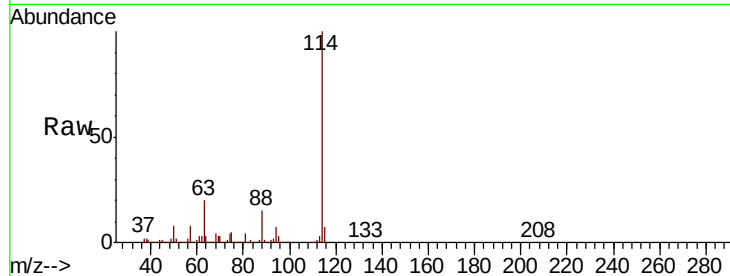
Tgt Ion:114 Resp: 544444

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.8

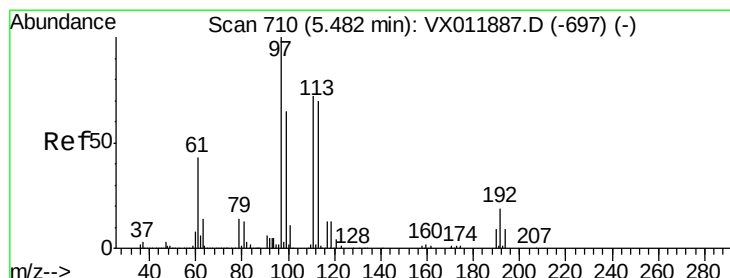
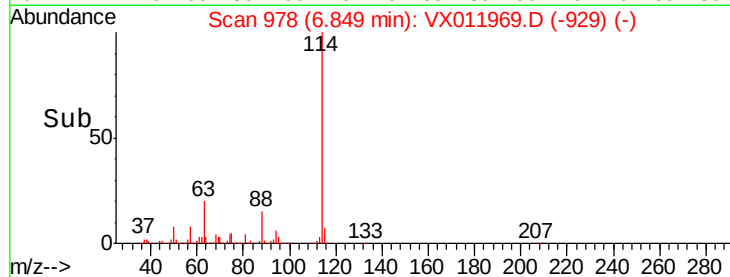
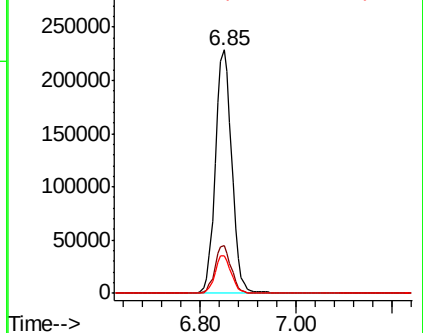
88 15.4 0.0 31.2



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: 45.036 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011969.D

Acq: 01 Sep 2019 00:44

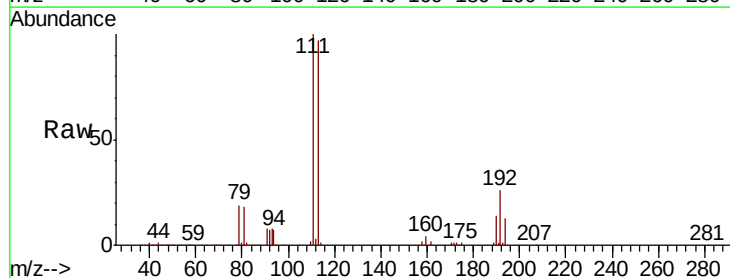
Tgt Ion:113 Resp: 157228

Ion Ratio Lower Upper

113 100

111 101.4 82.1 123.1

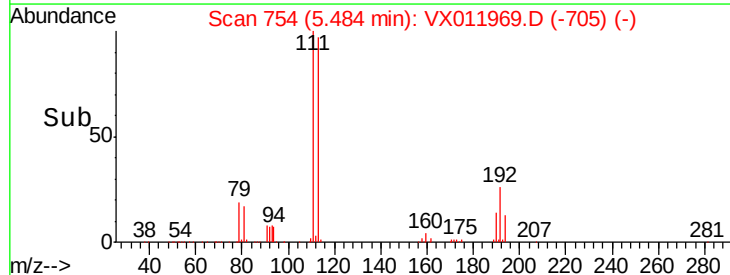
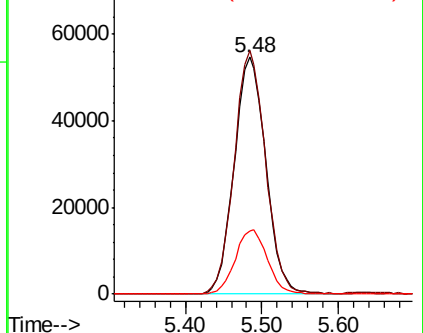
192 27.4 21.5 32.3

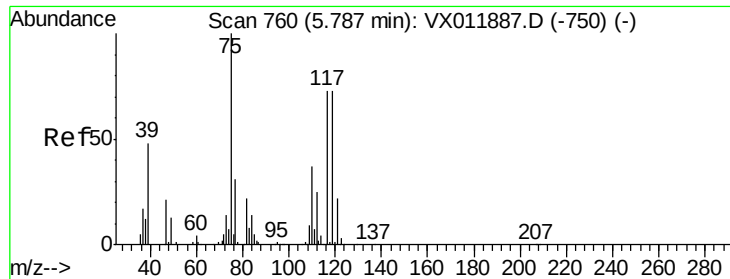


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

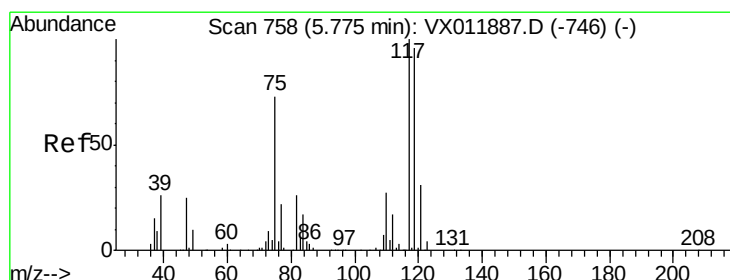
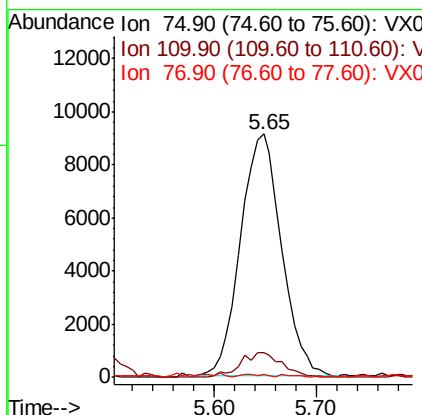
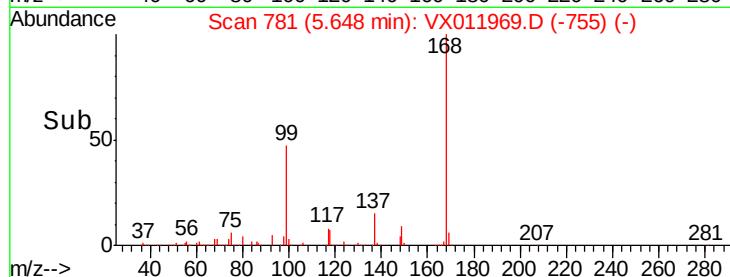
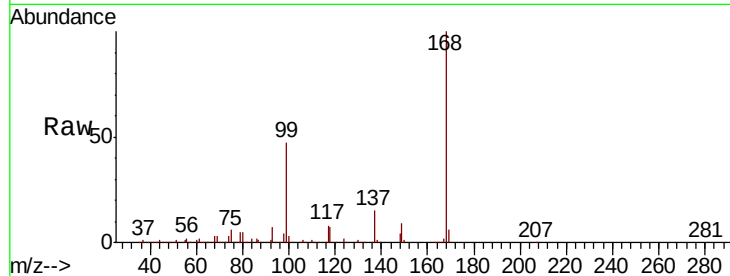




#36
 1,1-Dichloropropene
 Concen: 5.906 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX011969.D
 Acq: 01 Sep 2019 00:44

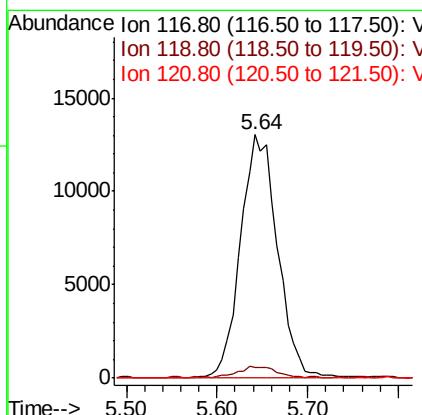
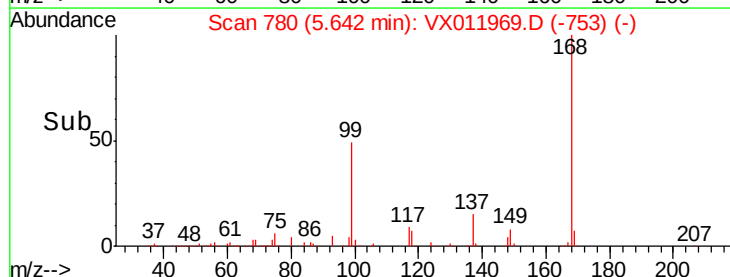
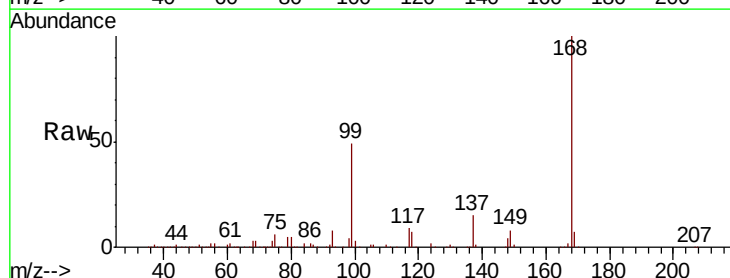
Instrument :
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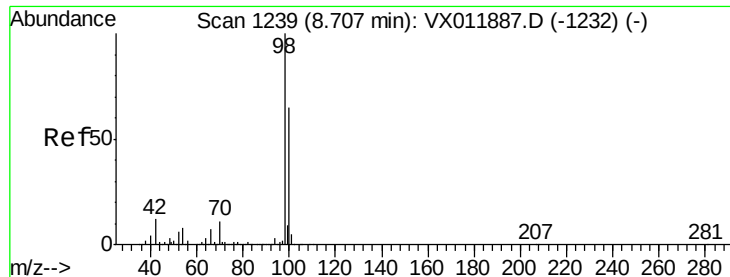
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	19.1	57.3#
77	0.7	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 7.342 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX011969.D
 Acq: 01 Sep 2019 00:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	76.6	114.8#
121	0.0	24.7	37.1#

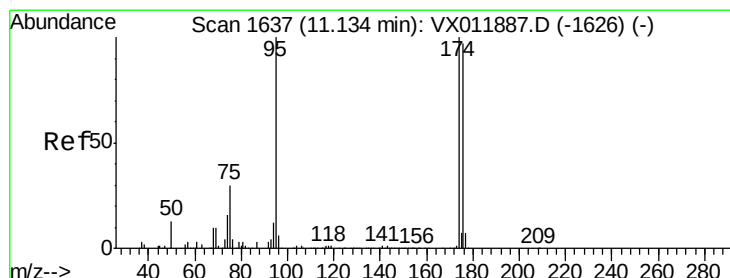
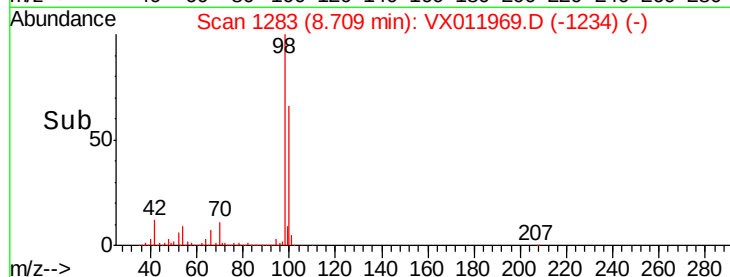
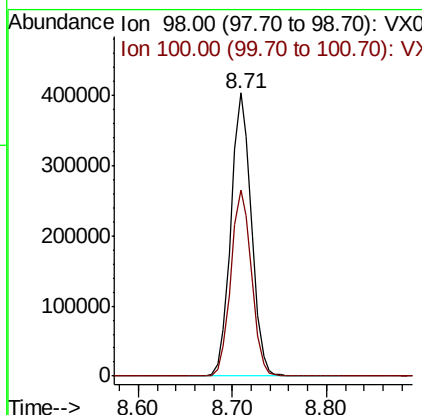
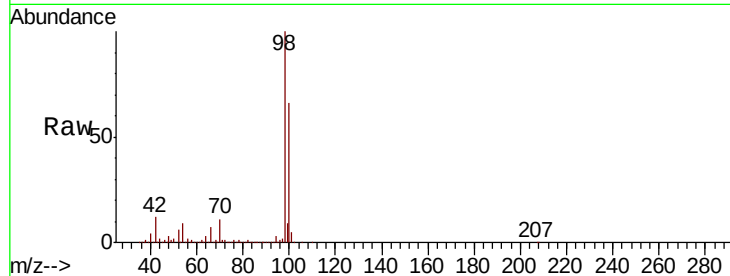




#50
Toluene-d8
Concen: 48.838 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011969.D
Acq: 01 Sep 2019 00:44

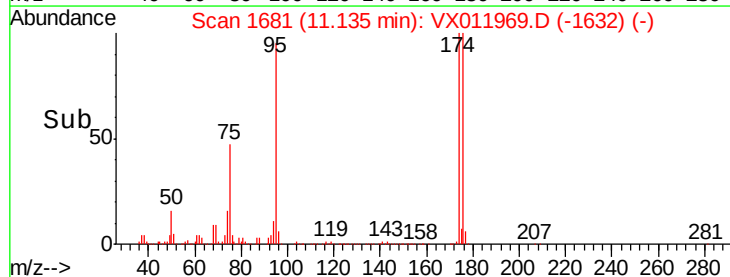
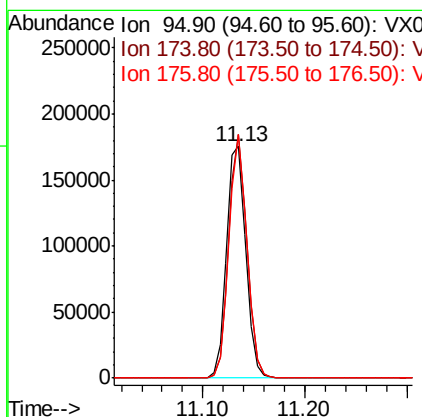
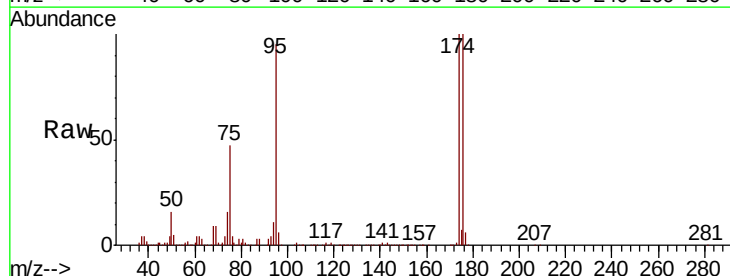
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-F2-(1.9)

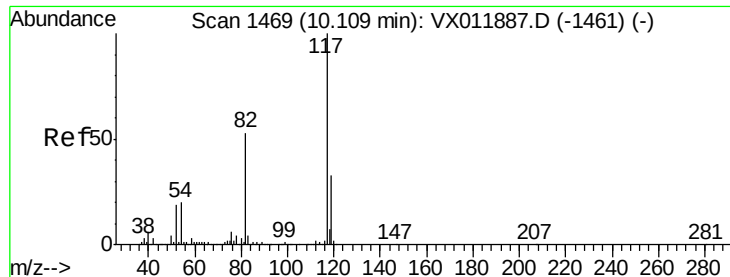
Tgt Ion: 98 Resp: 609496
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 41.713 ug/l
RT: 11.13 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX011969.D
Acq: 01 Sep 2019 00:44

Tgt Ion: 95 Resp: 228359
Ion Ratio Lower Upper
95 100
174 99.1 0.0 196.0
176 97.8 0.0 191.4

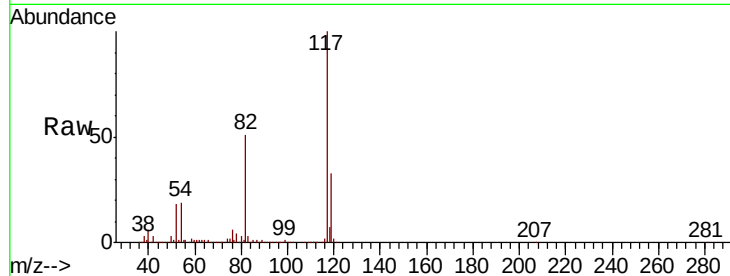




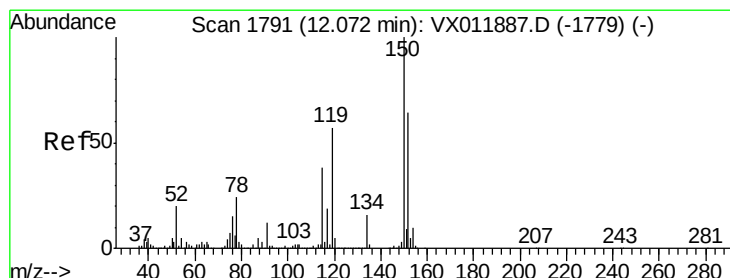
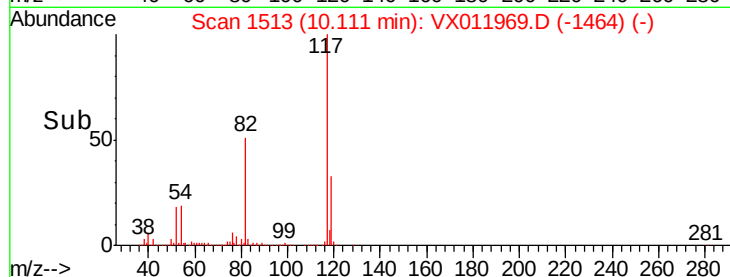
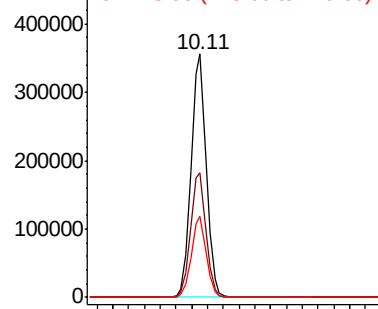
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011969.D
Acq: 01 Sep 2019 00:44

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-F2-(1.9)

Tgt Ion:117 Resp: 478413
Ion Ratio Lower Upper
117 100
82 50.9 42.0 63.0
119 33.2 26.2 39.4

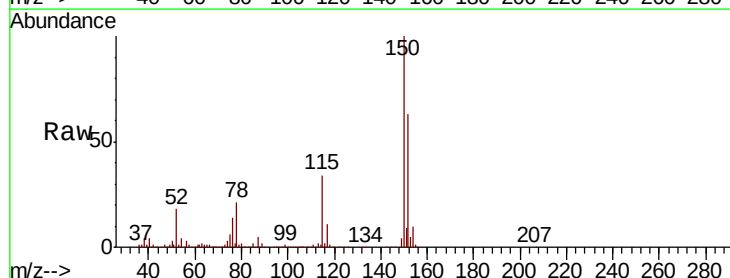


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

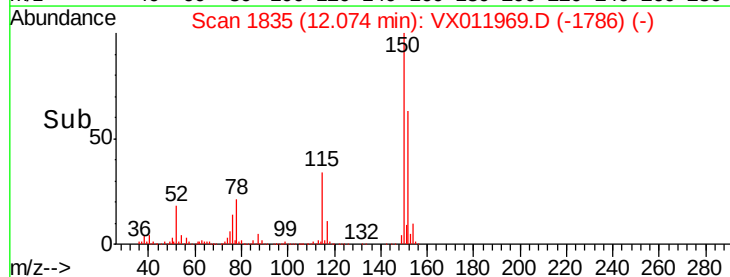
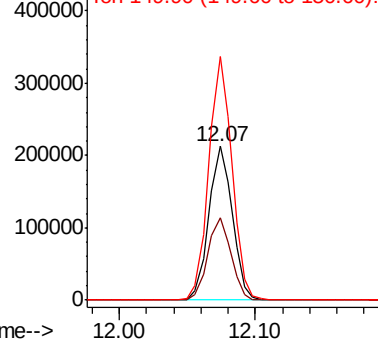


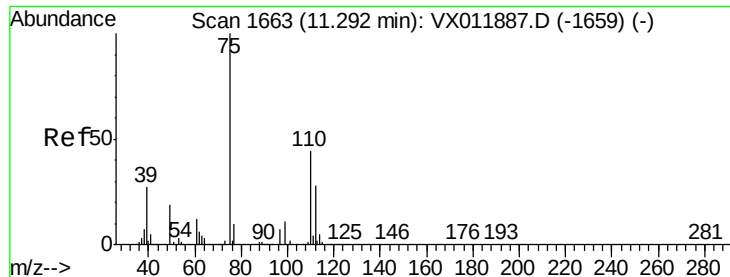
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011969.D
Acq: 01 Sep 2019 00:44

Tgt Ion:152 Resp: 254839
Ion Ratio Lower Upper
152 100
115 53.3 37.1 111.3
150 156.6 0.0 339.6



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: 44.803 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX011969.D

Acq: 01 Sep 2019 00:44

Instrument :

MSVOA_X

ClientSampleId :

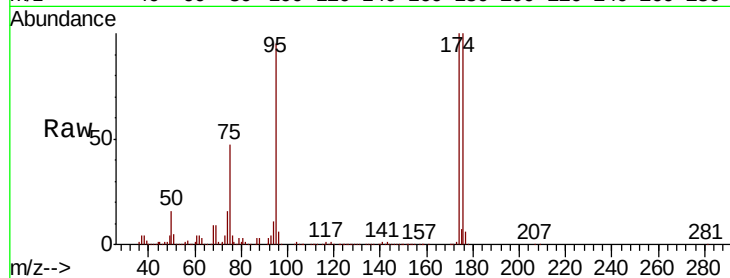
T9-12-13-F2-(1.9)

Tgt Ion: 75 Resp: 112316

Ion Ratio Lower Upper

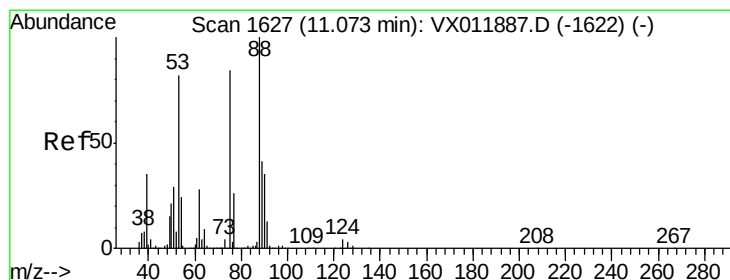
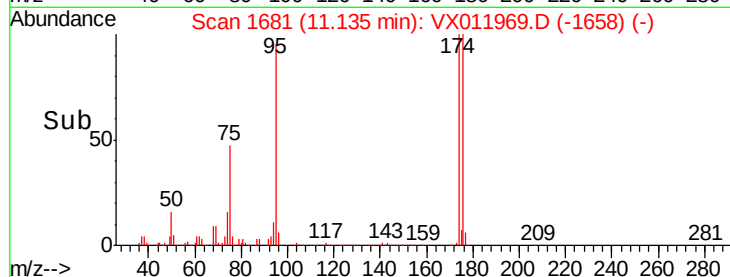
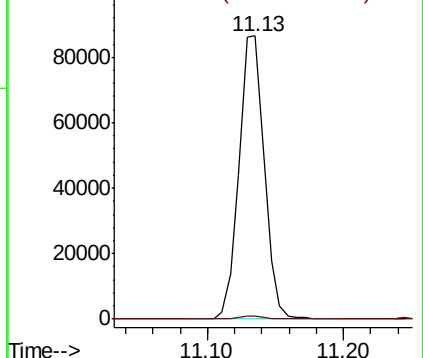
75 100

77 1.1 20.9 62.7#



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: 112.554 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. 0.06 min

Lab File: VX011969.D

Acq: 01 Sep 2019 00:44

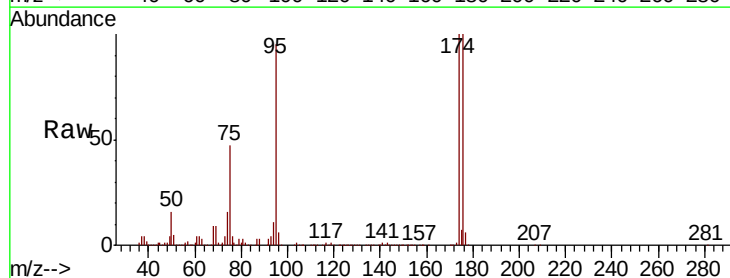
Tgt Ion: 75 Resp: 112316

Ion Ratio Lower Upper

75 100

53 0.1 77.1 115.7#

89 0.0 38.2 57.2#



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

