

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
 Data File : VX011927.D
 Acq On : 31 Aug 2019 01:23
 Operator : SY/SP
 Sample : K4472-18
 Misc : 4.93g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T6-S2-(2.5)

Quant Time: Aug 31 02:40:04 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	259718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	327031	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	282292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	139803	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	100124	40.24	ug/l	0.00
Spiked Amount			Recovery	=	80.48%	
35) Dibromofluoromethane	5.48	113	92583	44.15	ug/l	0.00
Spiked Amount			Recovery	=	88.30%	
50) Toluene-d8	8.71	98	367512	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	11.14	95	131538	40.00	ug/l	0.00
Spiked Amount			Recovery	=	80.00%	

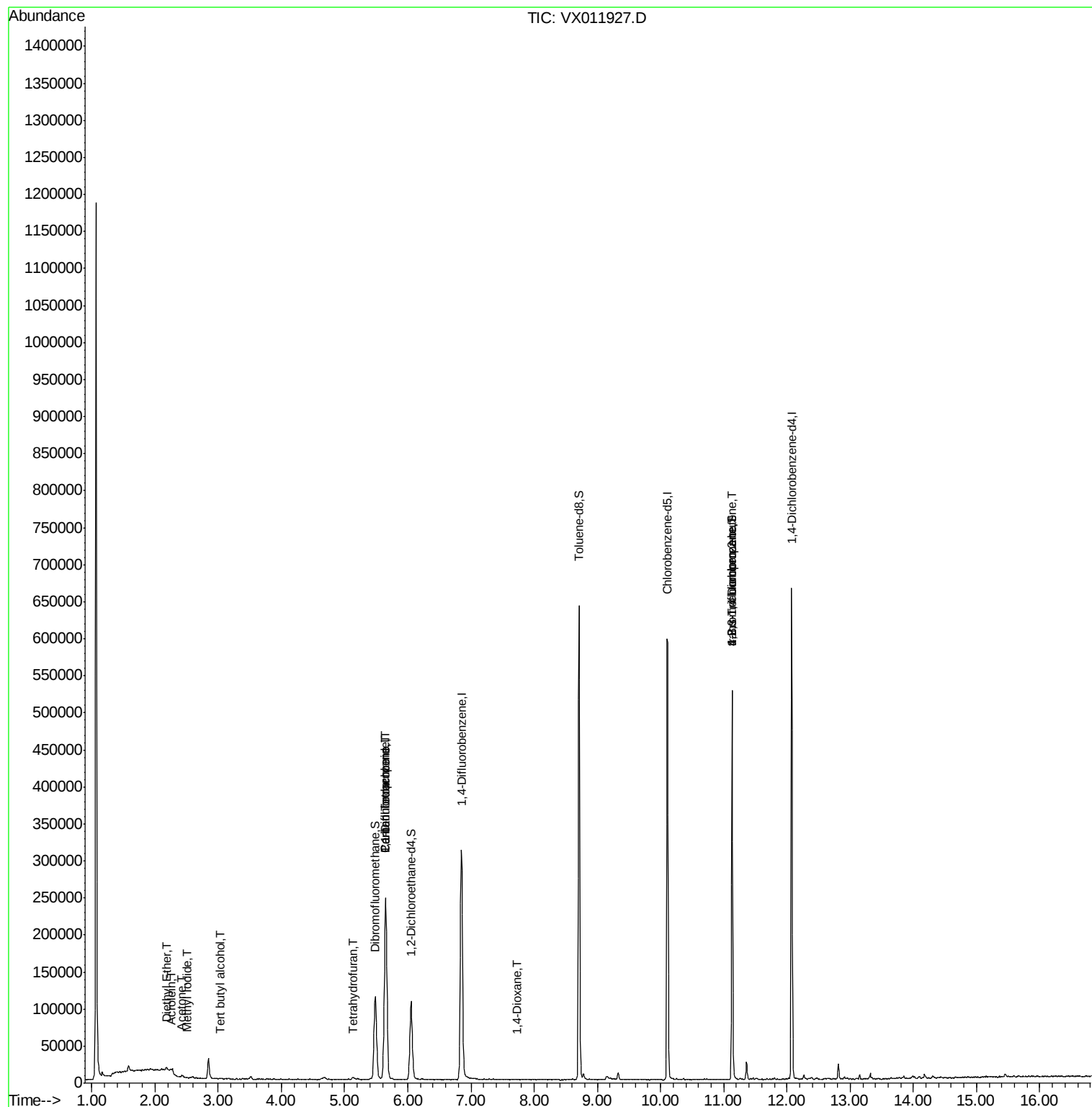
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	1602	1.547	ug/l	77
10) Methyl Iodide	2.50	142	354	3.829	ug/l	97
11) Tert butyl alcohol	3.03	59	1557	6.504	ug/l	96
13) Acrolein	2.26	56	548	4.599	ug/l #	78
16) Acetone	2.43	43	3993	7.458	ug/l #	86
29) Tetrahydrofuran	5.14	42	2306	4.738	ug/l #	77
36) 1,1-Dichloropropene	5.65	75	15920	6.145	ug/l #	51
38) Carbon Tetrachloride	5.65	117	22261	7.408	ug/l #	16
49) 1,4-Dioxane	7.73	88	50	2.403	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	65565	47.675	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	65565	119.768	ug/l #	11

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
Data File : VX011927.D
Acq On : 31 Aug 2019 01:23
Operator : SY/SP
Sample : K4472-18
Misc : 4.93g/5.0mL/MSVOA_X/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T6-S2-(2.5)

Quant Time: Aug 31 02:40:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
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: VX011927.D

Acq: 31 Aug 2019 01:23

Instrument :

MSVOA_X

ClientSampleId :

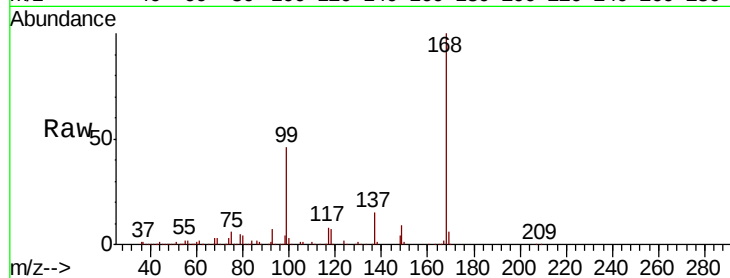
T6-S2-(2.5)

Tgt Ion:168 Resp: 259718

Ion Ratio Lower Upper

168 100

99 46.3 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

100000

80000

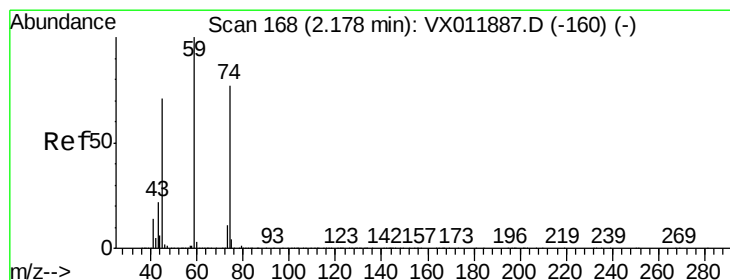
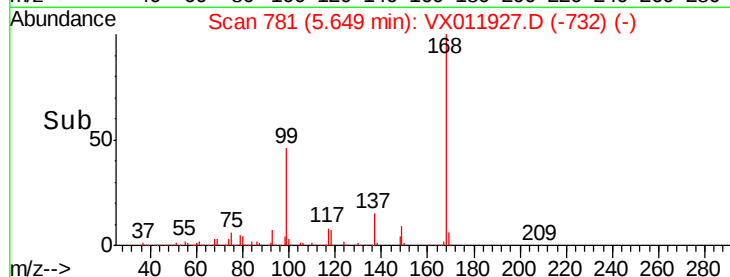
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.547 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX011927.D

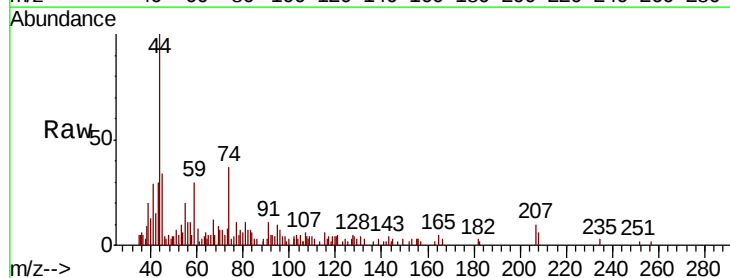
Acq: 31 Aug 2019 01:23

Tgt Ion: 74 Resp: 1602

Ion Ratio Lower Upper

74 100

45 71.7 46.7 140.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.18

1000

800

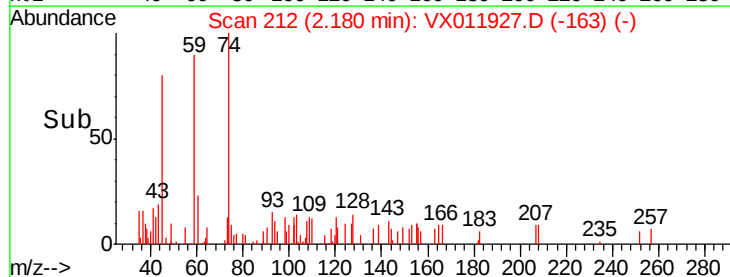
600

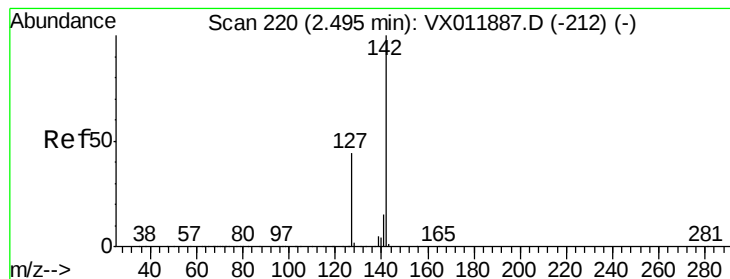
400

200

0

Time-->





#10

Methyl Iodide

Concen: 3.829 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011927.D

Acq: 31 Aug 2019 01:23

Instrument :

MSVOA_X

ClientSampleId :

T6-S2-(2.5)

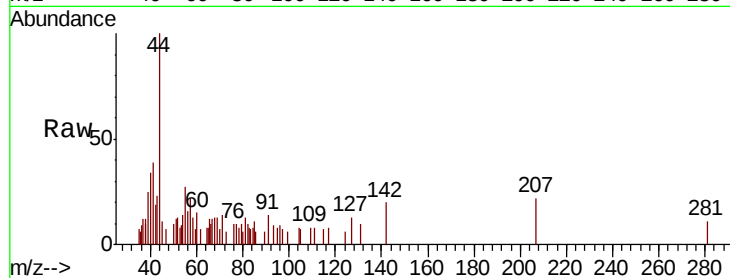
Tgt Ion:142 Resp: 354

Ion Ratio Lower Upper

142 100

127 42.7 35.7 53.5

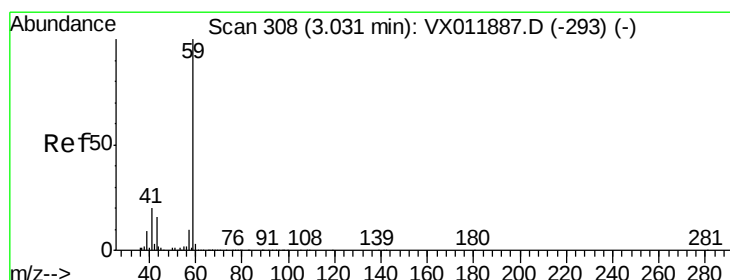
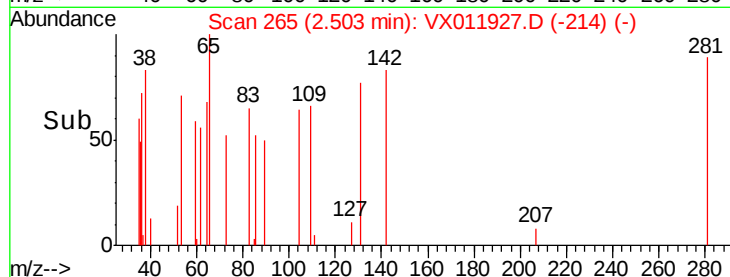
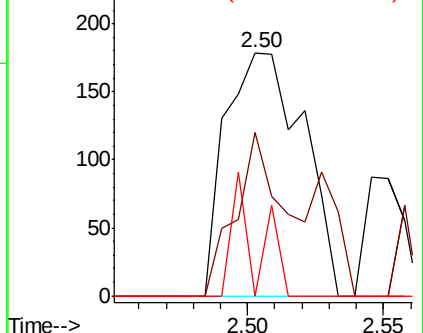
141 16.4 11.8 17.6



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: 6.504 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX011927.D

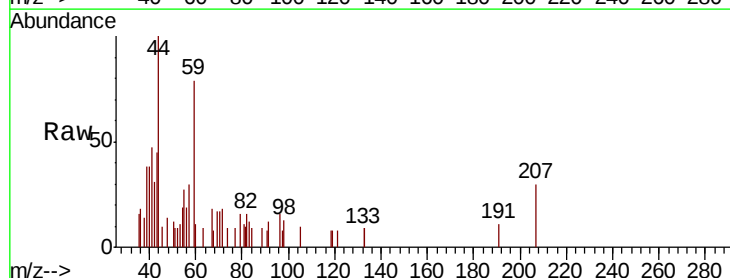
Acq: 31 Aug 2019 01:23

Tgt Ion: 59 Resp: 1557

Ion Ratio Lower Upper

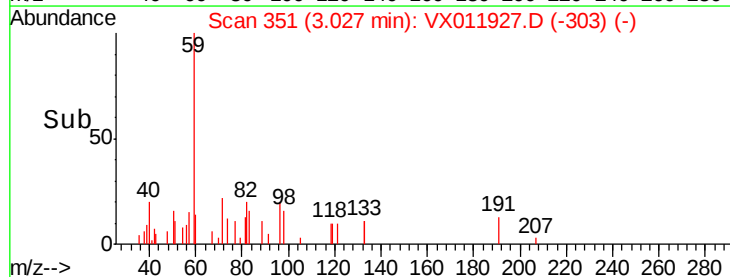
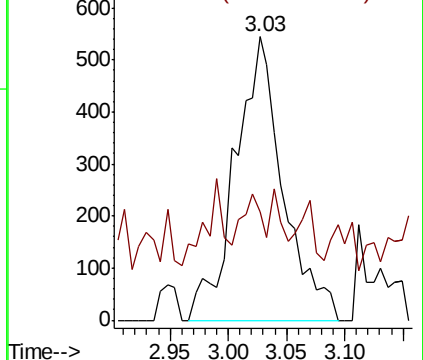
59 100

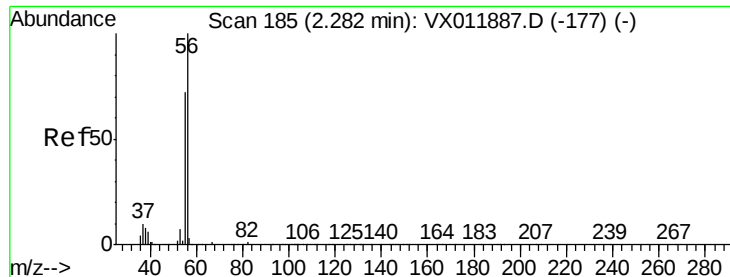
57 9.2 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 4.599 ug/l

RT: 2.26 min Scan# 226

Delta R.T. -0.02 min

Lab File: VX011927.D

Acq: 31 Aug 2019 01:23

Instrument :

MSVOA_X

ClientSampleId :

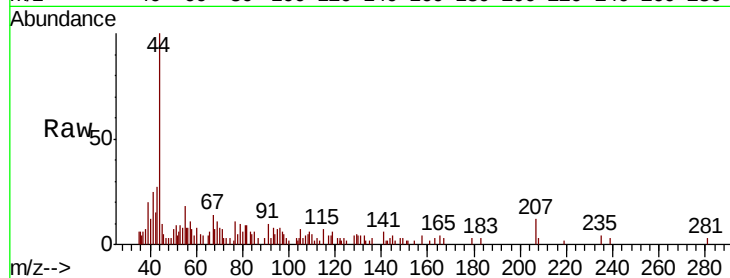
T6-S2-(2.5)

Tgt Ion: 56 Resp: 548

Ion Ratio Lower Upper

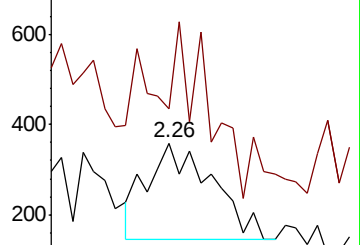
56 100

55 91.4 58.6 88.0#

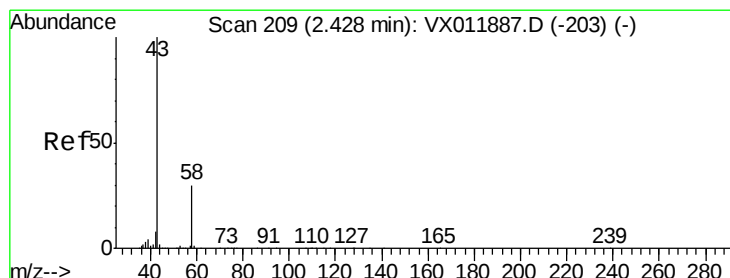
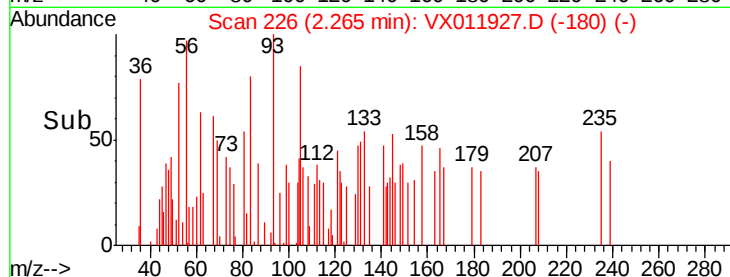


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 7.458 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011927.D

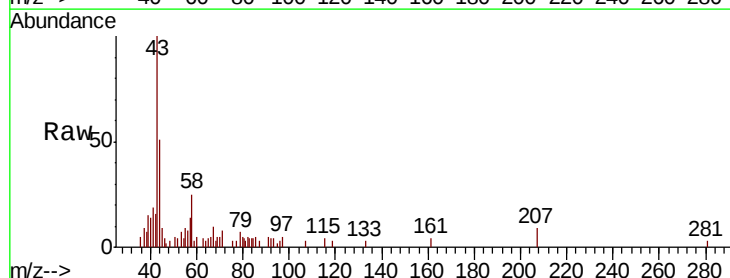
Acq: 31 Aug 2019 01:23

Tgt Ion: 43 Resp: 3993

Ion Ratio Lower Upper

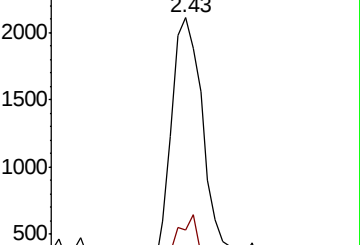
43 100

58 22.0 23.8 35.8#

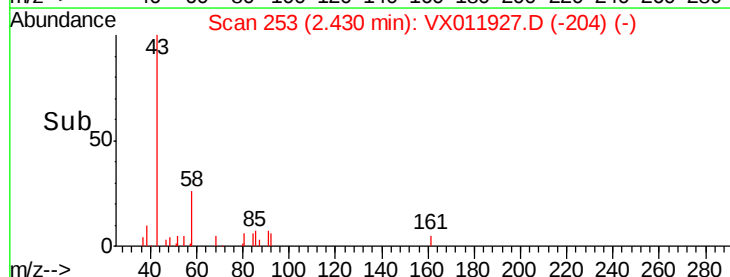


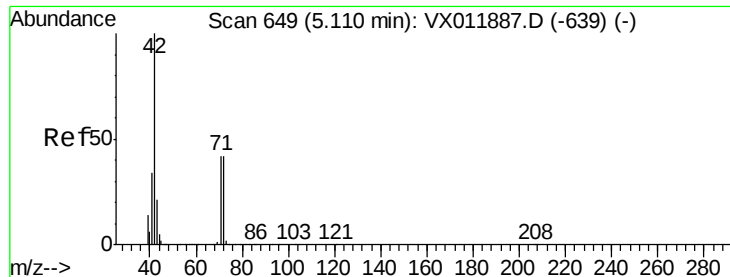
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#29

Tetrahydrofuran

Concen: 4.738 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.03 min

Lab File: VX011927.D

Acq: 31 Aug 2019 01:23

Instrument :

MSVOA_X

ClientSampleId :

T6-S2-(2.5)

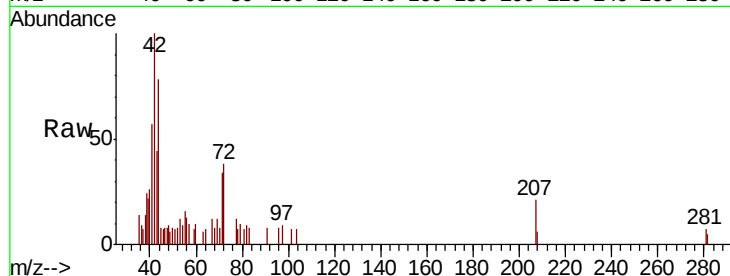
Tgt Ion: 42 Resp: 2306

Ion Ratio Lower Upper

42 100

72 25.5 36.2 54.4#

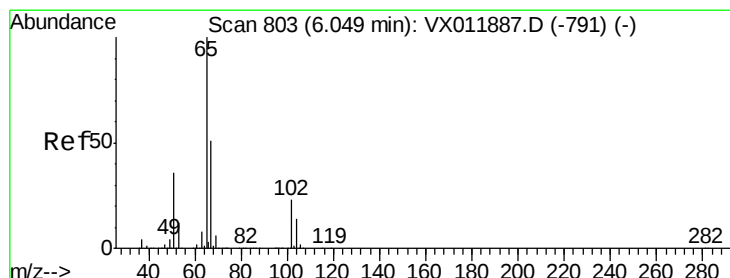
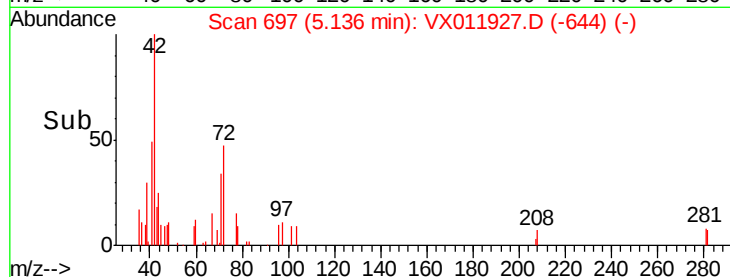
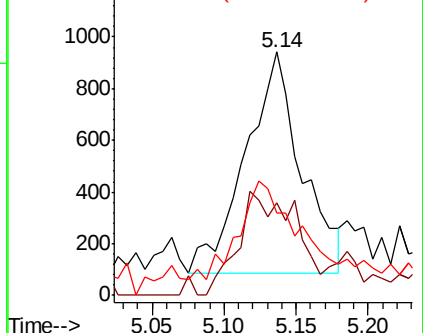
71 51.1 33.1 49.7#



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: 40.237 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011927.D

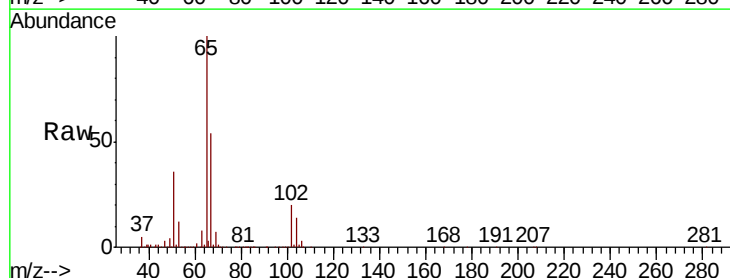
Acq: 31 Aug 2019 01:23

Tgt Ion: 65 Resp: 100124

Ion Ratio Lower Upper

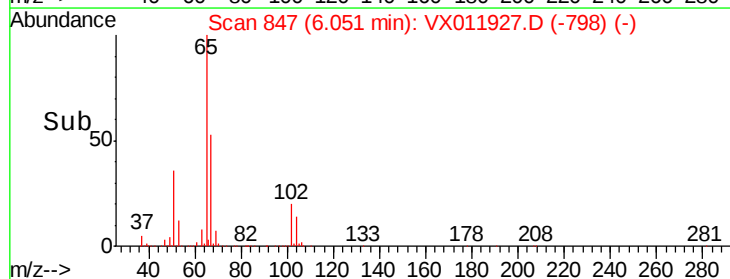
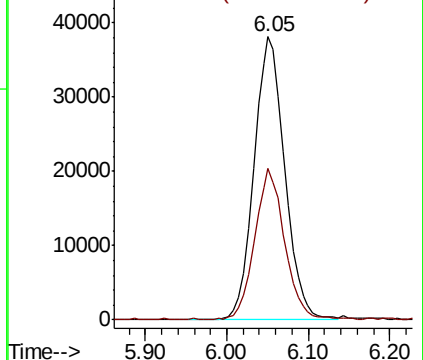
65 100

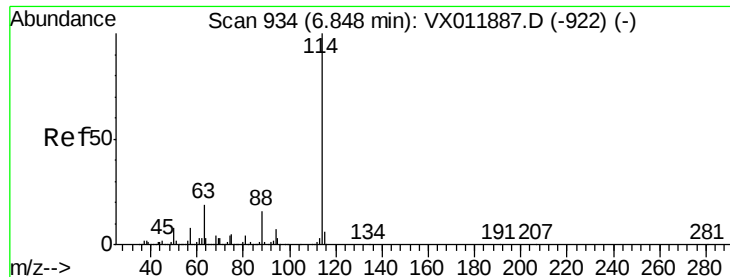
67 51.5 0.0 102.2



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: VX011927.D

Acq: 31 Aug 2019 01:23

Instrument :

MSVOA_X

ClientSampleId :

T6-S2-(2.5)

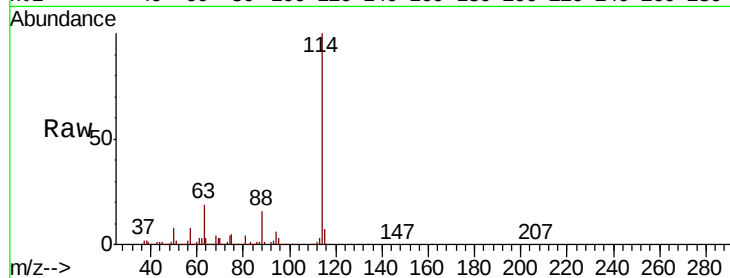
Tgt Ion:114 Resp: 327031

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.8

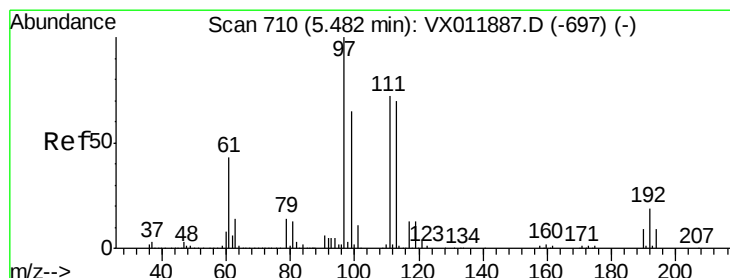
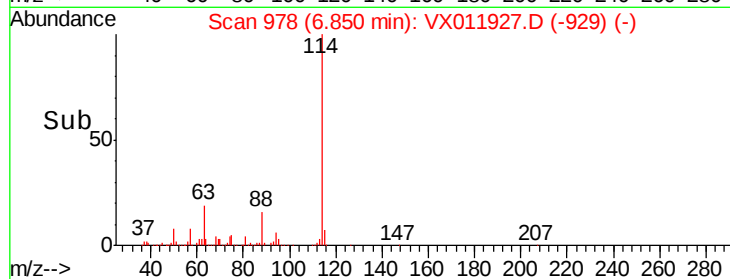
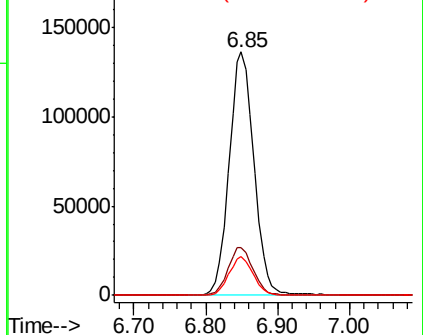
88 15.7 0.0 31.2



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: 44.149 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011927.D

Acq: 31 Aug 2019 01:23

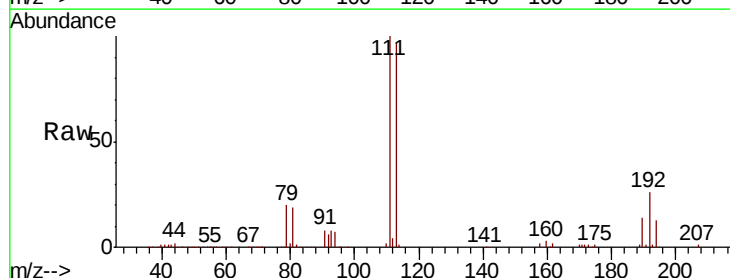
Tgt Ion:113 Resp: 92583

Ion Ratio Lower Upper

113 100

111 102.3 82.1 123.1

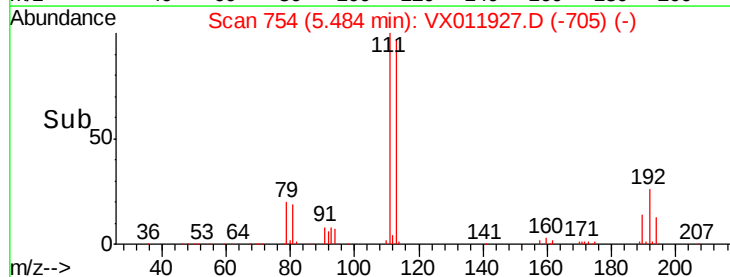
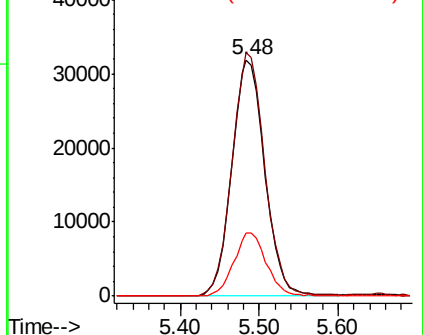
192 26.4 21.5 32.3

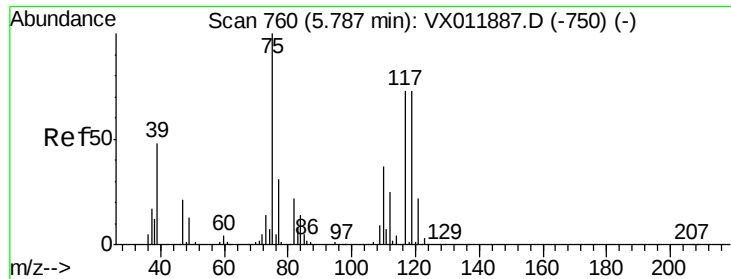


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

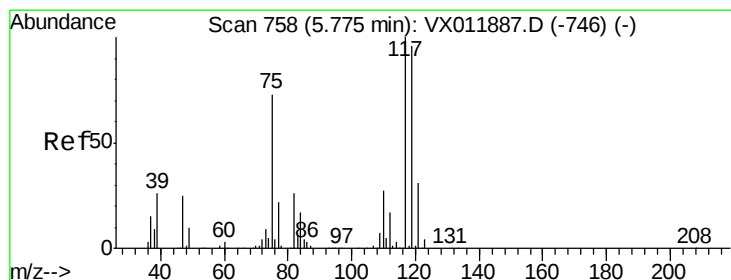
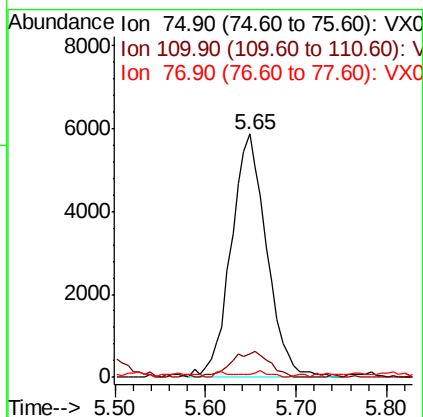
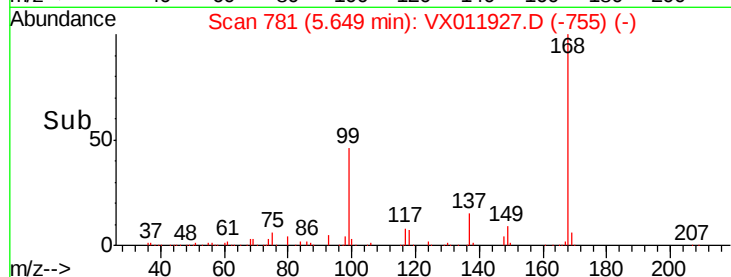
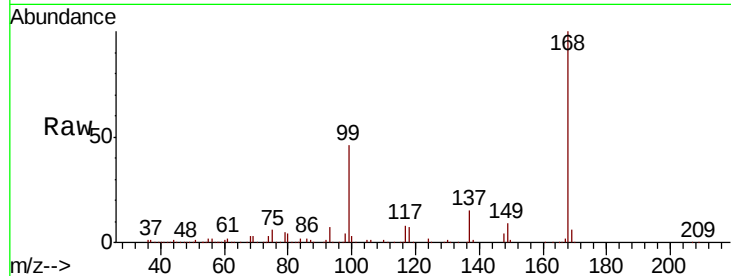




#36
 1,1-Dichloropropene
 Concen: 6.145 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX011927.D
 Acq: 31 Aug 2019 01:23

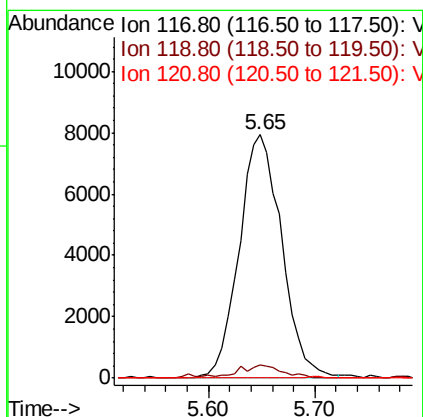
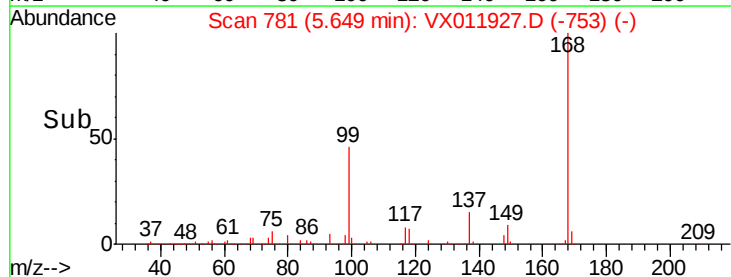
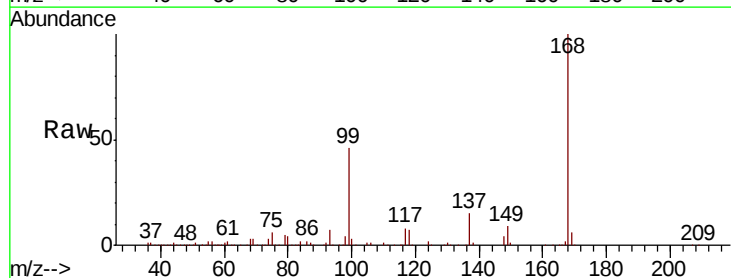
Instrument :
 MSVOA_X
 ClientSampleId :
 T6-S2-(2.5)

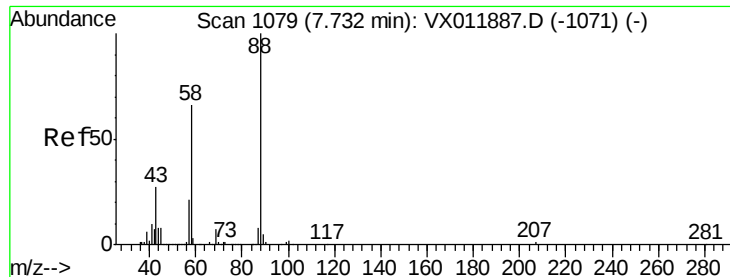
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.3	19.1	57.3#
77	1.3	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 7.408 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX011927.D
 Acq: 31 Aug 2019 01:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.6	114.8#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 2.403 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX011927.D

Acq: 31 Aug 2019 01:23

Instrument :

MSVOA_X

ClientSampled :

T6-S2-(2.5)

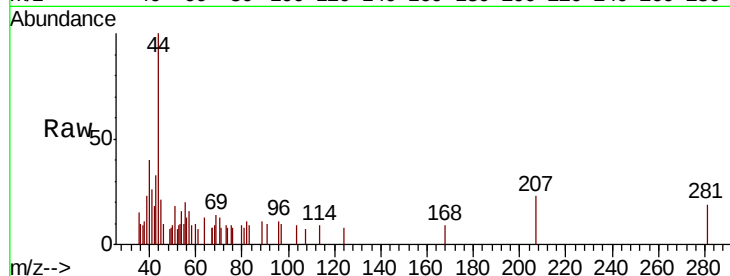
Tgt Ion: 88 Resp: 50

Ion Ratio Lower Upper

88 100

43 260.0 27.3 40.9#

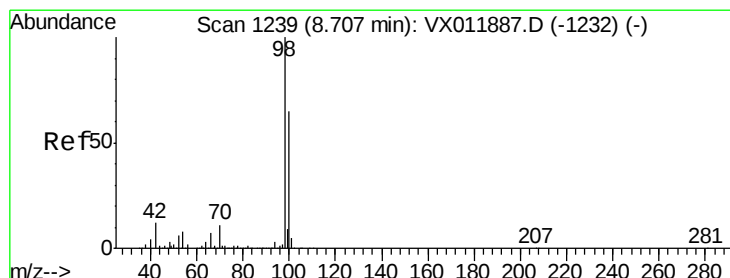
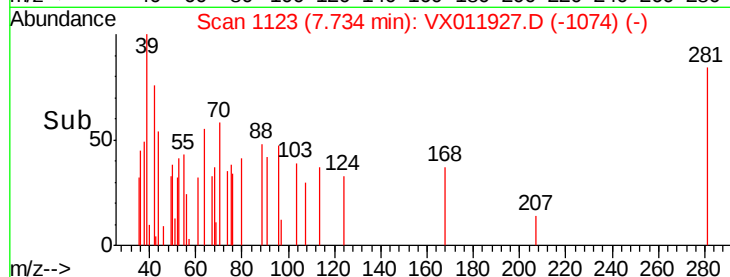
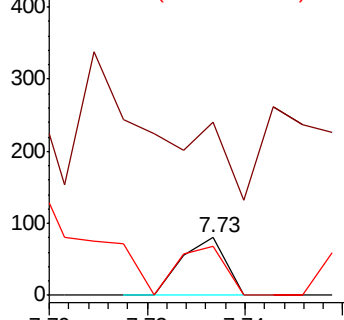
58 92.0 53.9 80.9#



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: 49.026 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX011927.D

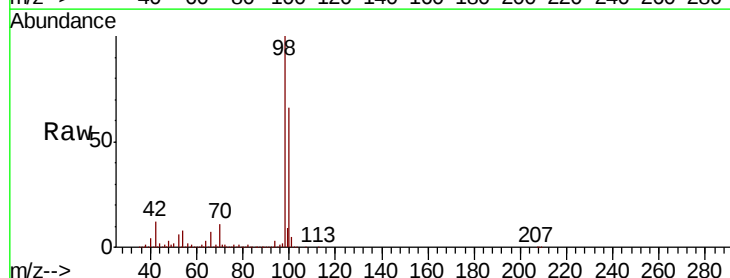
Acq: 31 Aug 2019 01:23

Tgt Ion: 98 Resp: 367512

Ion Ratio Lower Upper

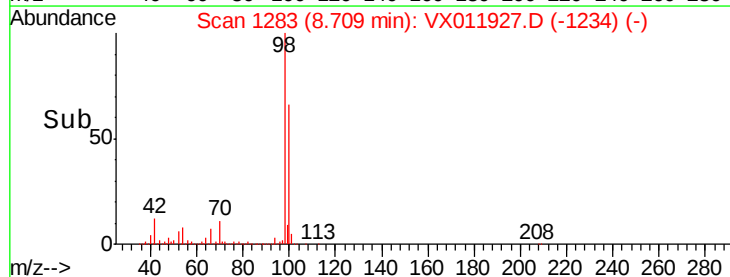
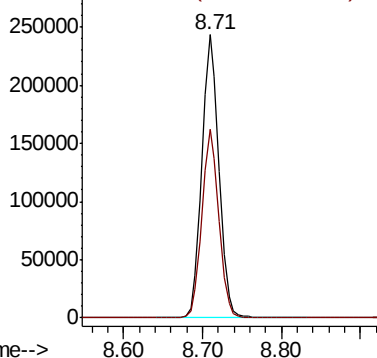
98 100

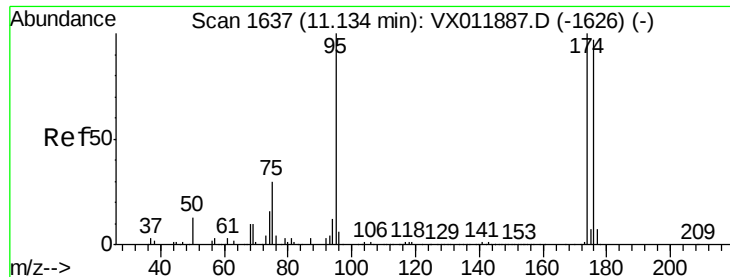
100 66.1 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 40.001 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011927.D

Acq: 31 Aug 2019 01:23

Instrument :

MSVOA_X

ClientSampleId :

T6-S2-(2.5)

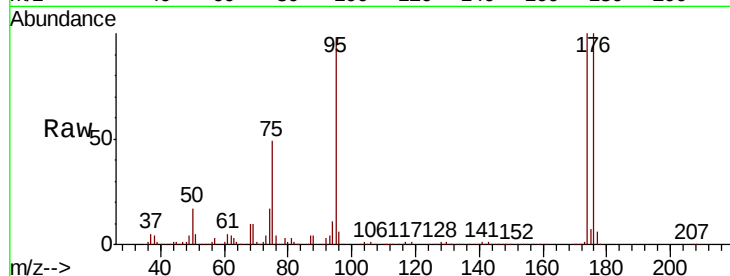
Tgt Ion: 95 Resp: 131538

Ion Ratio Lower Upper

95 100

174 96.9 0.0 196.0

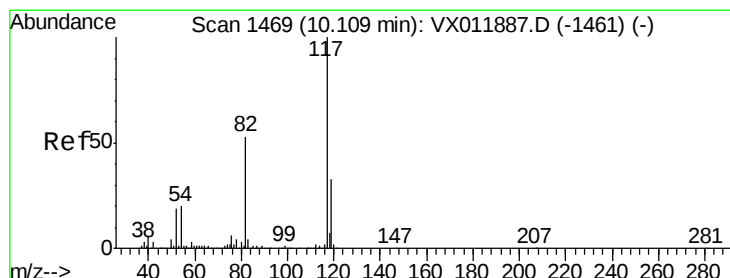
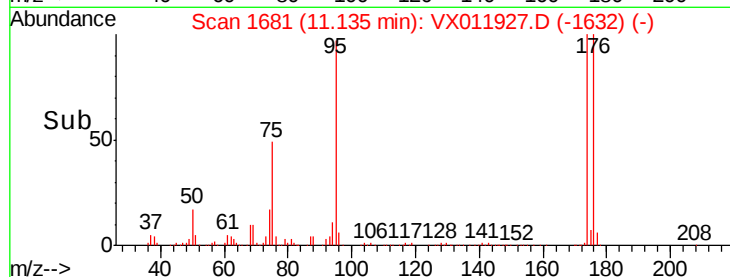
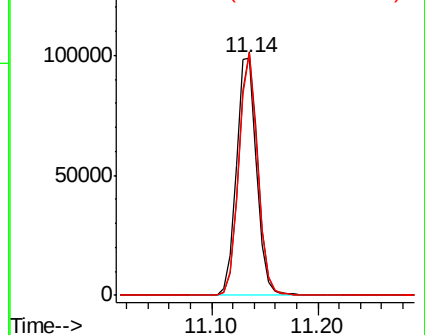
176 94.9 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX011927.D

Acq: 31 Aug 2019 01:23

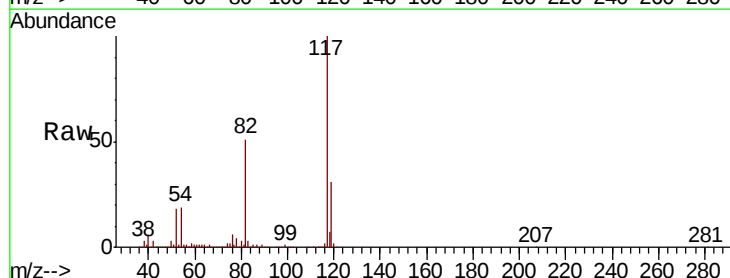
Tgt Ion: 117 Resp: 282292

Ion Ratio Lower Upper

117 100

82 50.5 42.0 63.0

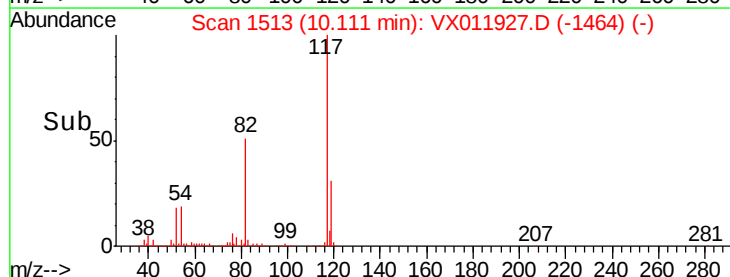
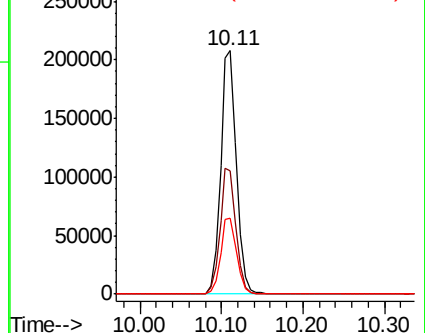
119 31.1 26.2 39.4

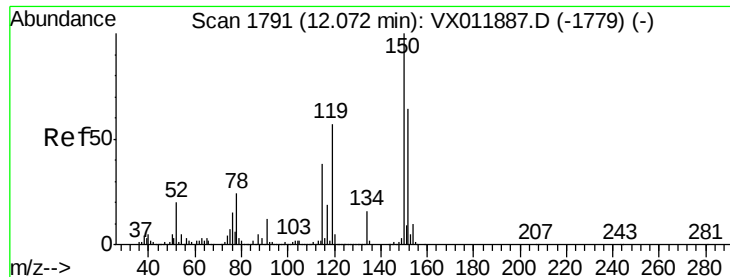


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



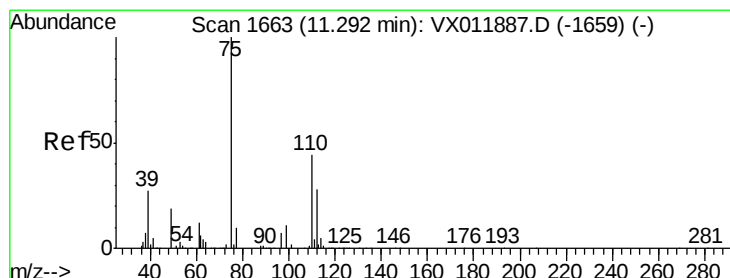
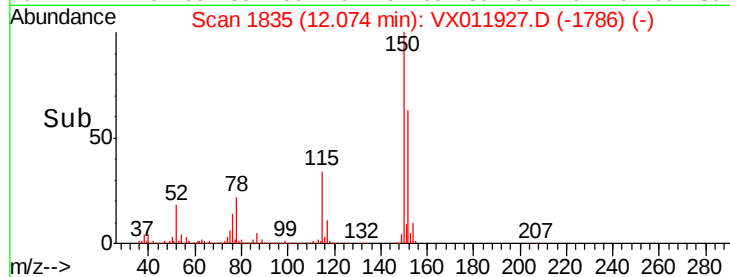
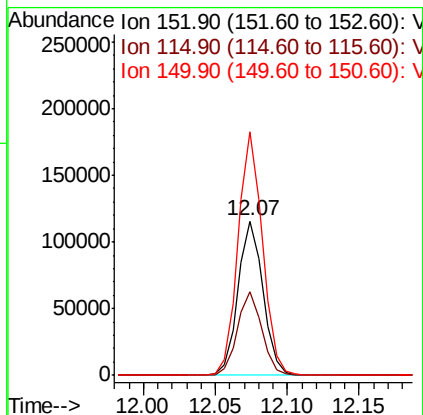
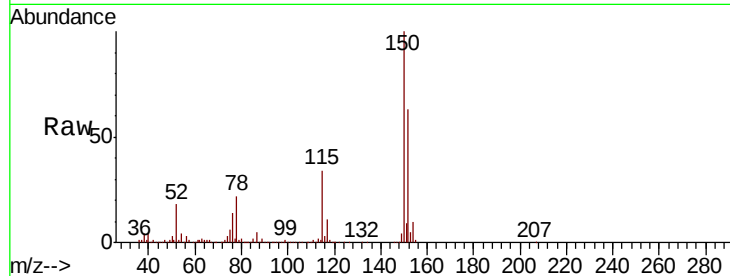


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011927.D
Acq: 31 Aug 2019 01:23

Instrument :
MSVOA_X
ClientSampleId :
T6-S2-(2.5)

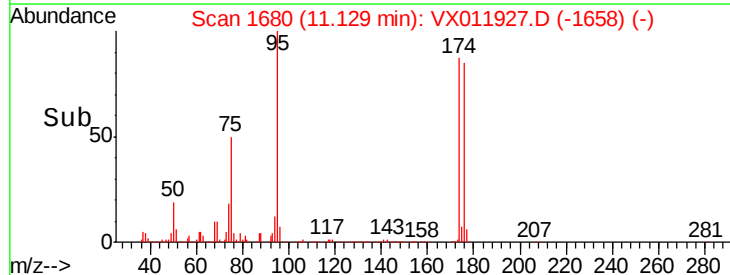
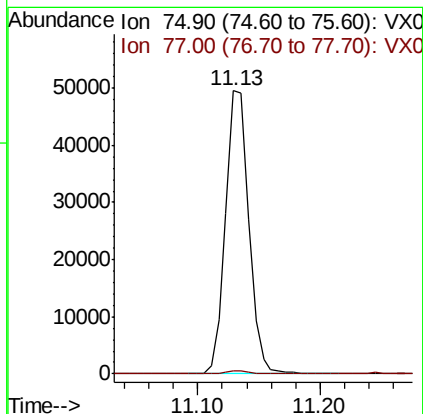
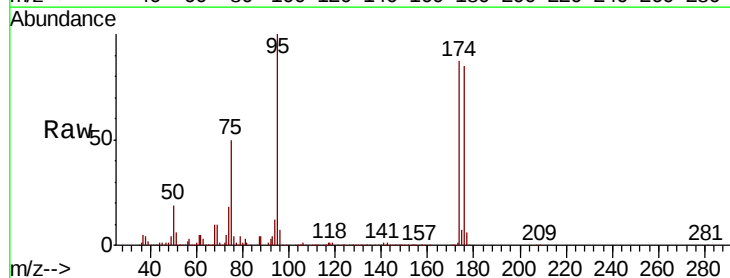
Tgt Ion: 152 Resp: 139803
Ion Ratio Lower Upper
152 100
115 53.2 37.1 111.3
150 154.7 0.0 339.6

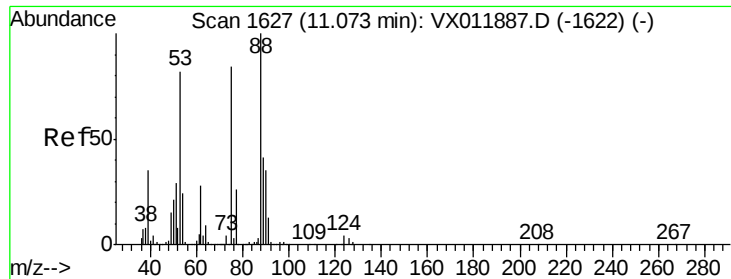


#76

1,2,3-Trichloropropane
Concen: 47.675 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX011927.D
Acq: 31 Aug 2019 01:23

Tgt Ion: 75 Resp: 65565
Ion Ratio Lower Upper
75 100
77 1.6 20.9 62.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.768 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX011927.D
 Acq: 31 Aug 2019 01:23

Instrument :
 MSVOA_X
 ClientSampleId :
 T6-S2-(2.5)

Tgt Ion: 75 Resp: 65565
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.1 115.7#
 89 0.0 38.2 57.2#

