

Data File : VX011939.D
Acq On : 31 Aug 2019 07:00
Operator : SY/SP
Sample : K4493-14
Misc : 6.81g/5.0mL/MSVOA_X/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-K4-(0)

Quant Time: Aug 31 08:14:21 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	438597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	583443	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	500926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	240720	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	185660	44.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.36%	
35) Dibromofluoromethane	5.48	113	169022	45.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.36%	
50) Toluene-d8	8.71	98	661245	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	11.13	95	229415	39.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.20%	

Target Compounds

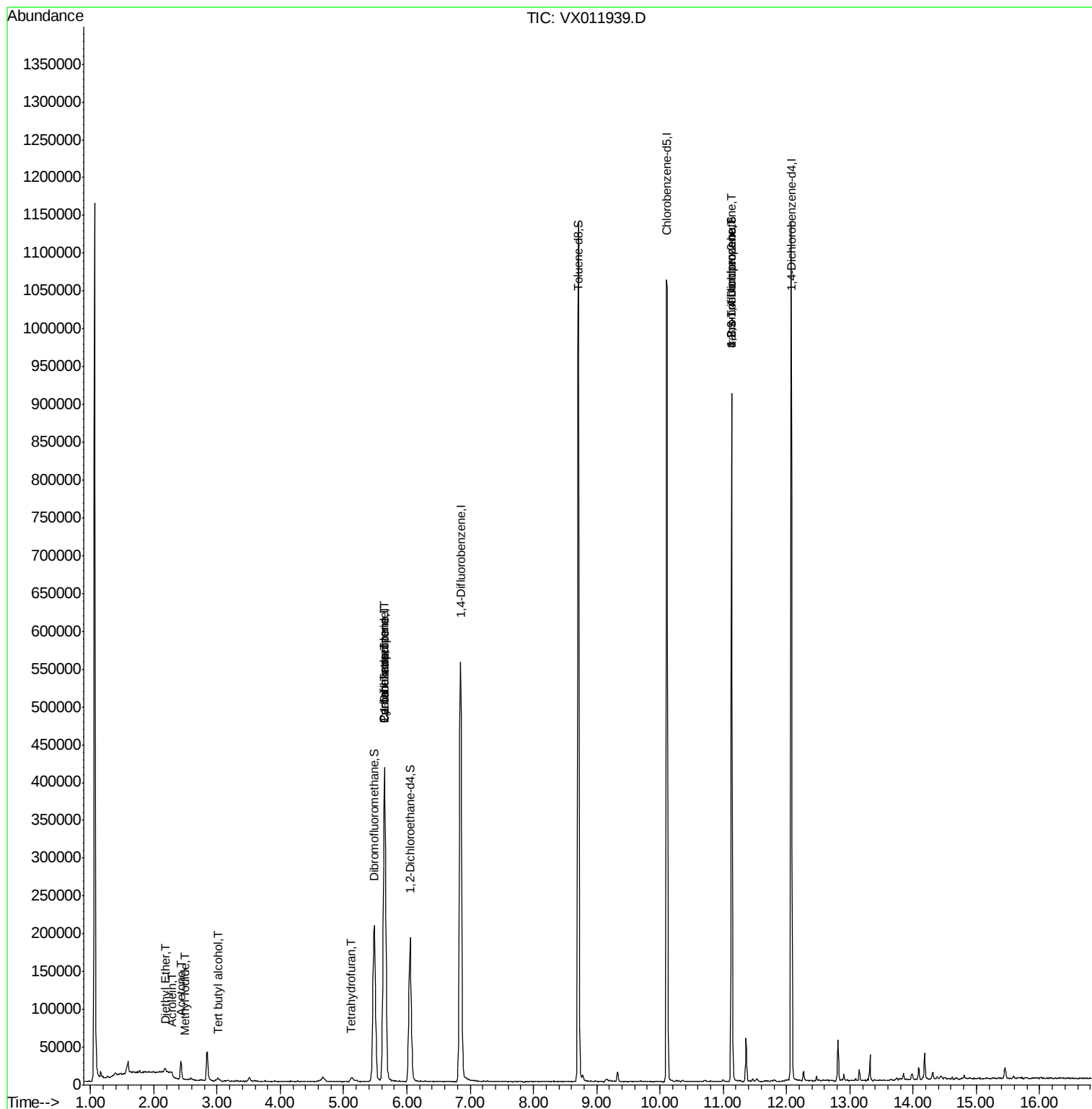
						Qvalue
8) Diethyl Ether	2.17	74	2005	1.146	ug/l	83
10) Methyl Iodide	2.50	142	327	3.760	ug/l #	83
11) Tert butyl alcohol	3.02	59	3735	9.239	ug/l #	90
13) Acrolein	2.28	56	356	1.769	ug/l #	13
16) Acetone	2.43	43	26527	29.340	ug/l	98
20) Methylene Chloride	2.84	84	18575	Below Cal		93
29) Tetrahydrofuran	5.12	42	5063	6.160	ug/l #	84
31) Cyclohexane	5.65	56	7321	1.395	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	26561	5.746	ug/l #	50
38) Carbon Tetrachloride	5.65	117	37606	7.015	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	115514	48.782	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	115514	122.549	ug/l #	11

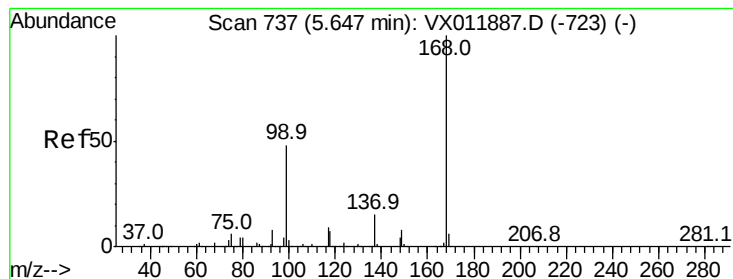
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VX011939.D
Acq On : 31 Aug 2019 07:00
Operator : SY/SP
Sample : K4493-14
Misc : 6.81g/5.0mL/MSVOA_X/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-K4-(0)

Quant Time: Aug 31 08:14:21 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX011939.D

Acq: 31 Aug 2019 07:00

Instrument :

MSVOA_X

ClientSampleId :

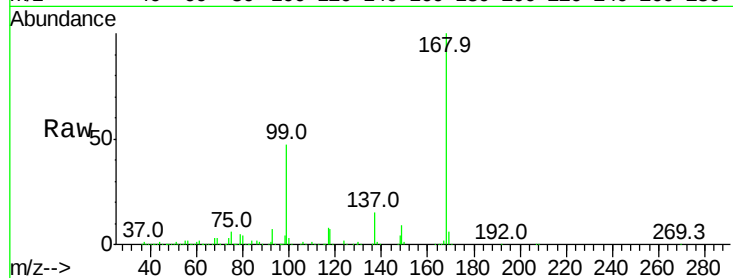
T9-12-13-K4-(0)

Tgt Ion:168 Resp: 438597

Ion Ratio Lower Upper

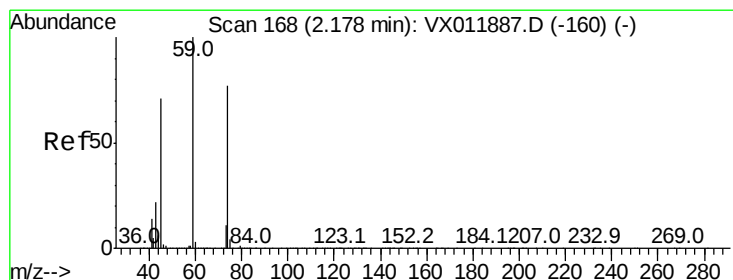
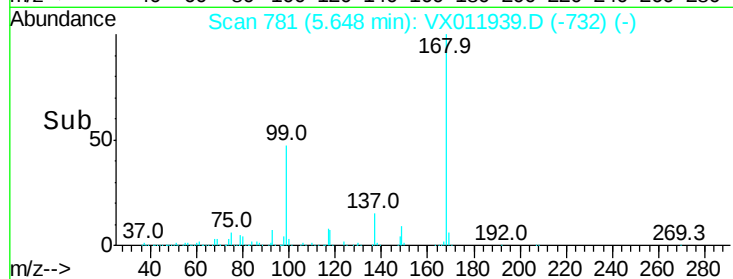
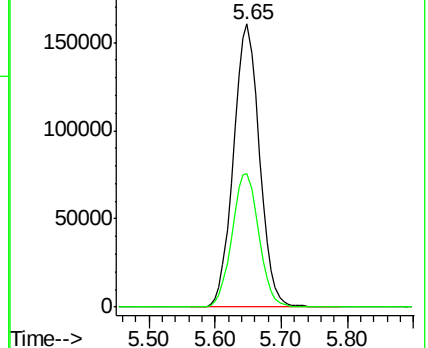
168 100

99 47.0 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: 1.146 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX011939.D

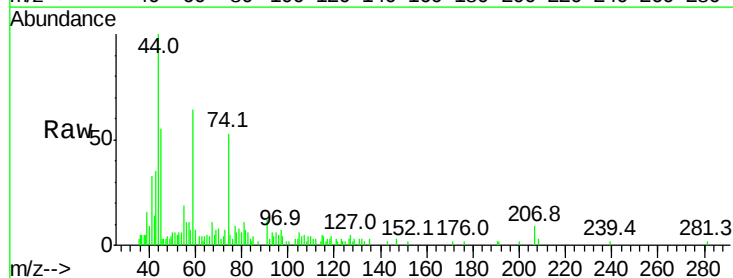
Acq: 31 Aug 2019 07:00

Tgt Ion: 74 Resp: 2005

Ion Ratio Lower Upper

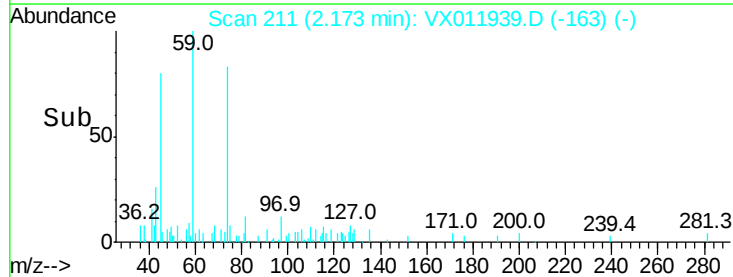
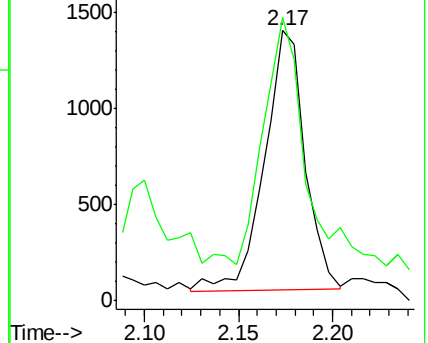
74 100

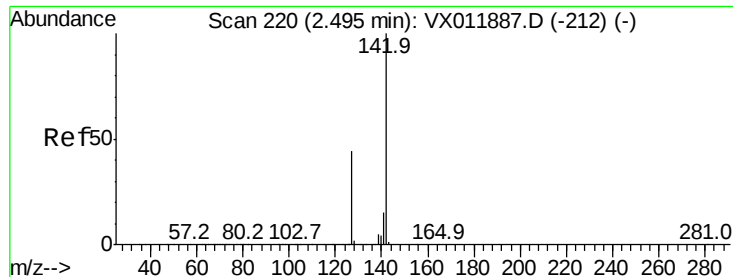
45 109.7 46.7 140.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

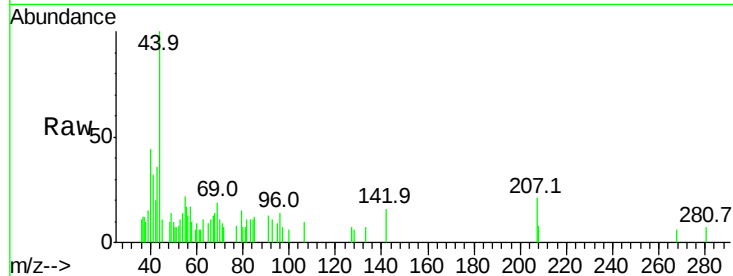




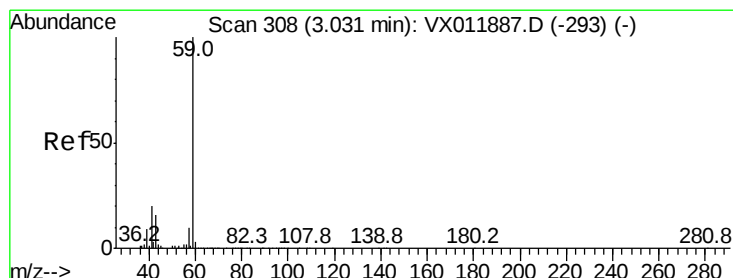
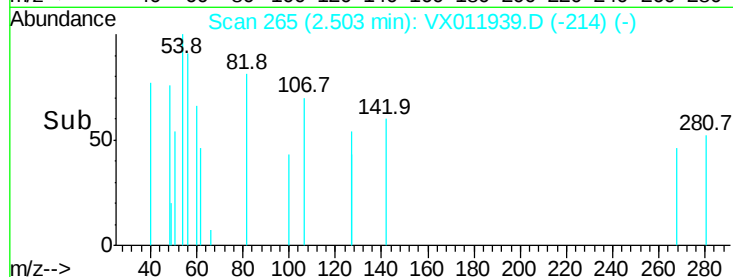
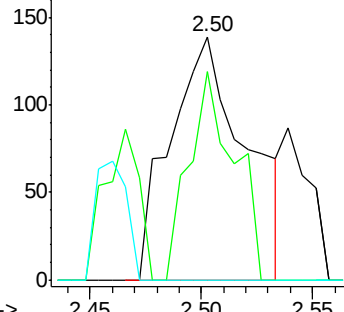
#10
Methyl Iodide
Concen: 3.760 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011939.D
Acq: 31 Aug 2019 07:00

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-K4-(0)

Tgt Ion:142 Resp: 327
Ion Ratio Lower Upper
142 100
127 51.7 35.7 53.5
141 0.0 11.8 17.6#

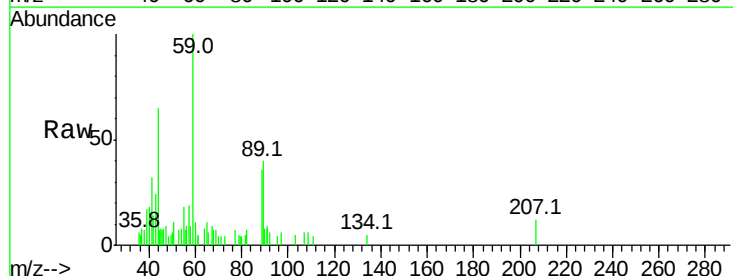


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

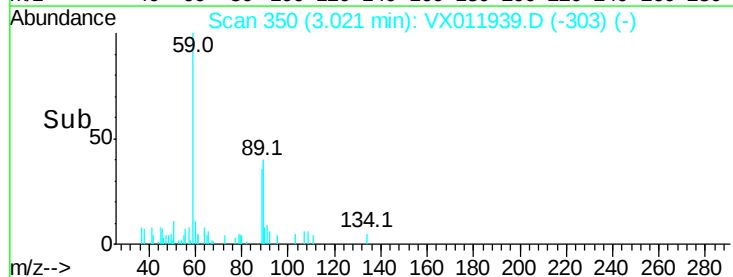
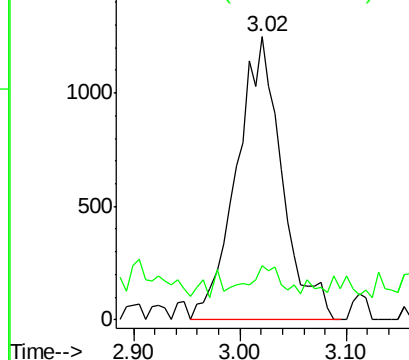


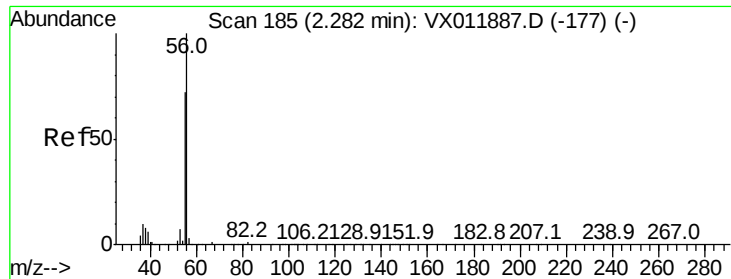
#11
Tert butyl alcohol
Concen: 9.239 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX011939.D
Acq: 31 Aug 2019 07:00

Tgt Ion: 59 Resp: 3735
Ion Ratio Lower Upper
59 100
57 7.1 8.6 12.8#



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

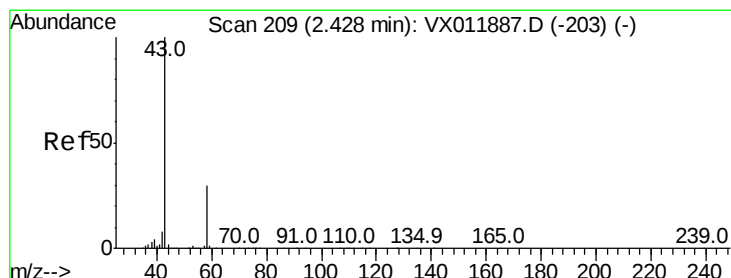
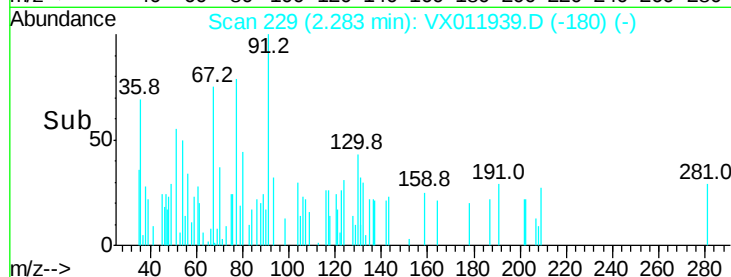
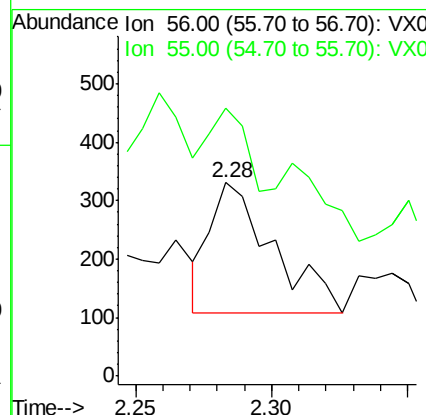
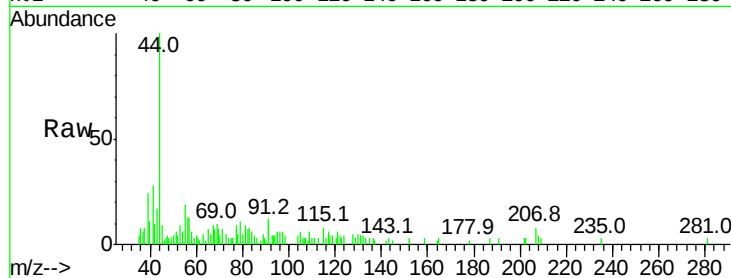




#13
Acrolein
Concen: 1.769 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX011939.D
Acq: 31 Aug 2019 07:00

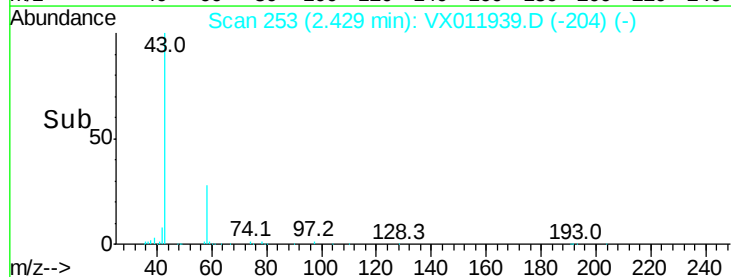
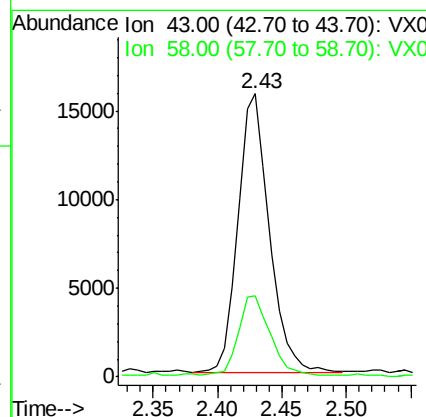
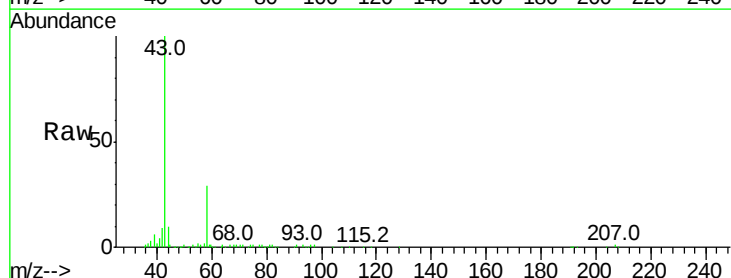
Instrument :
MSVOA_X
ClientSampled :
T9-12-13-K4-(0)

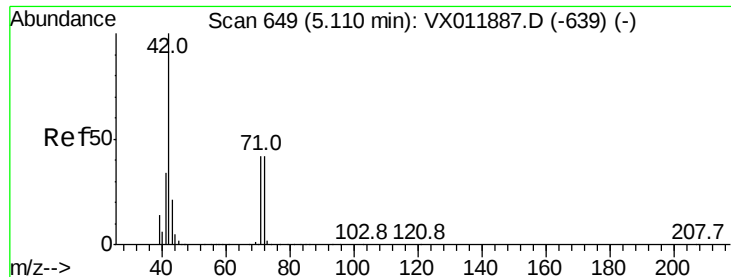
Tgt Ion: 56 Resp: 356
Ion Ratio Lower Upper
56 100
55 0.0 58.6 88.0#



#16
Acetone
Concen: 29.340 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX011939.D
Acq: 31 Aug 2019 07:00

Tgt Ion: 43 Resp: 26527
Ion Ratio Lower Upper
43 100
58 28.5 23.8 35.8





#29

Tetrahydrofuran

Concen: 6.160 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX011939.D

Acq: 31 Aug 2019 07:00

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-K4-(0)

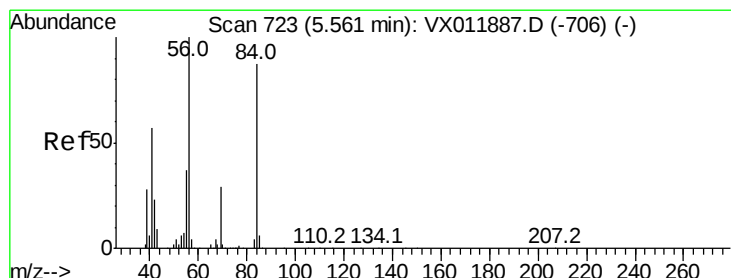
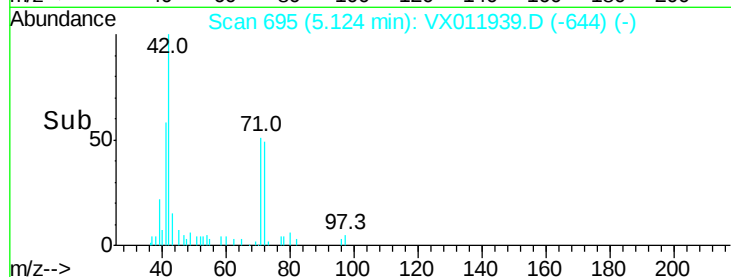
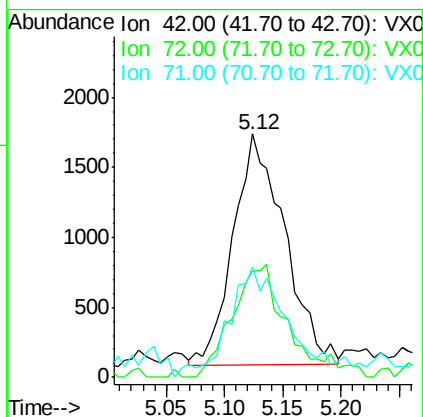
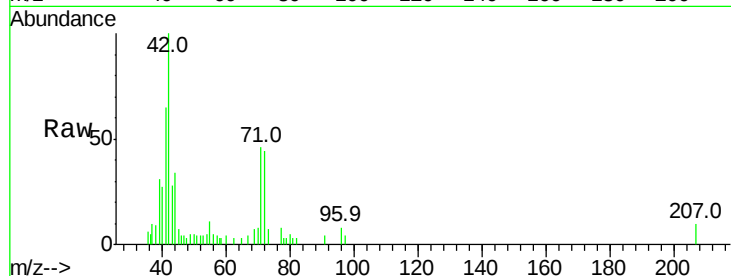
Tgt Ion: 42 Resp: 5063

Ion Ratio Lower Upper

42 100

72 53.2 36.2 54.4

71 54.2 33.1 49.7#



#31

Cyclohexane

Concen: 1.395 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.09 min

Lab File: VX011939.D

Acq: 31 Aug 2019 07:00

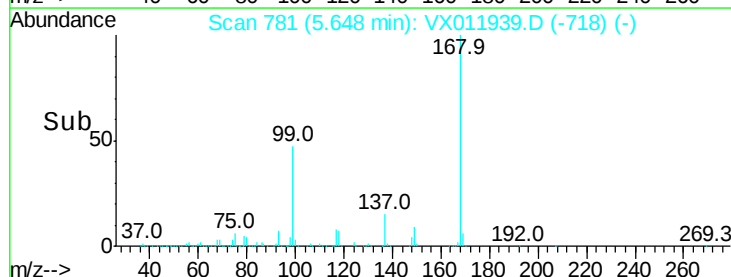
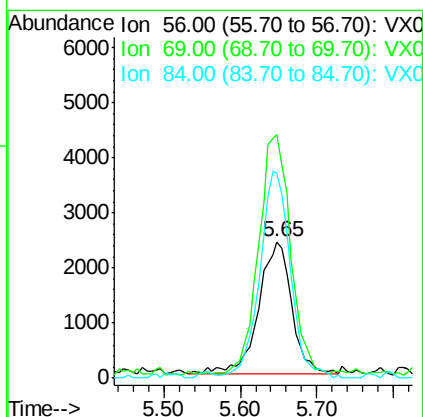
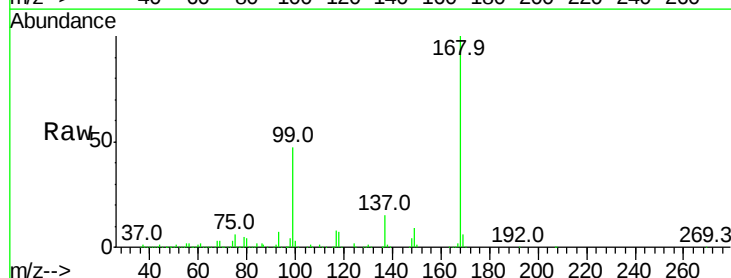
Tgt Ion: 56 Resp: 7321

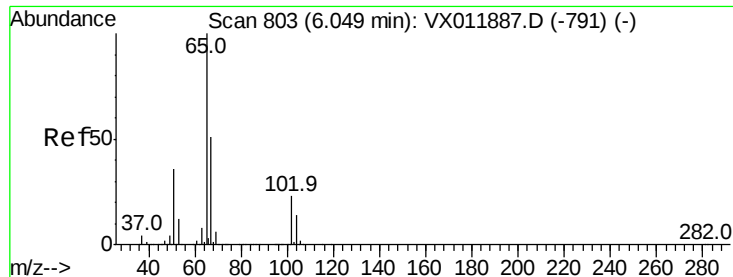
Ion Ratio Lower Upper

56 100

69 179.3 23.1 34.7#

84 155.4 69.6 104.4#





#33

1,2-Dichloroethane-d4

Concen: 44.182 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011939.D

Acq: 31 Aug 2019 07:00

Instrument :

MSVOA_X

ClientSampleId :

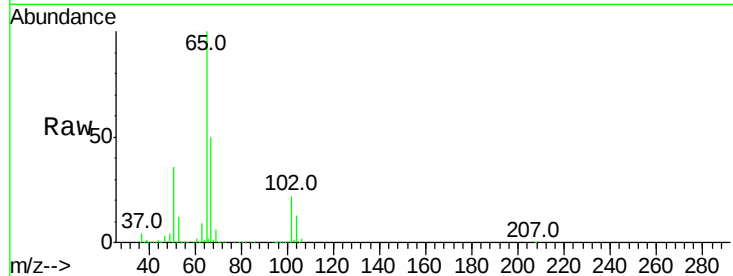
T9-12-13-K4-(0)

Tgt Ion: 65 Resp: 185660

Ion Ratio Lower Upper

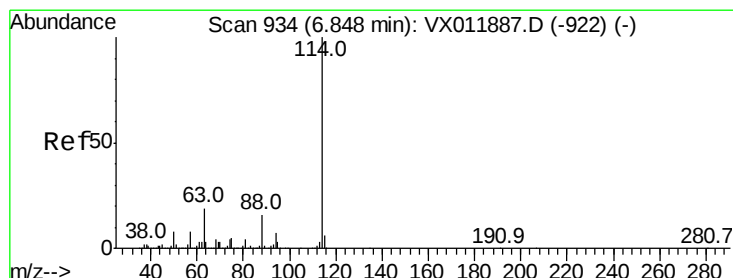
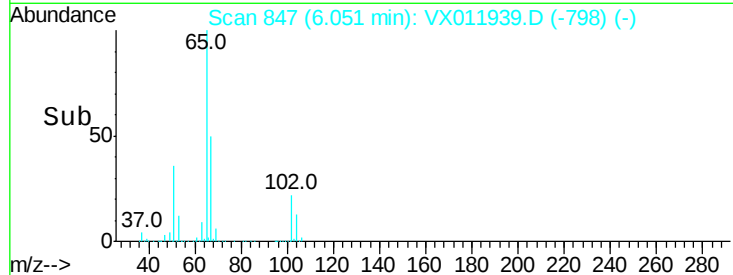
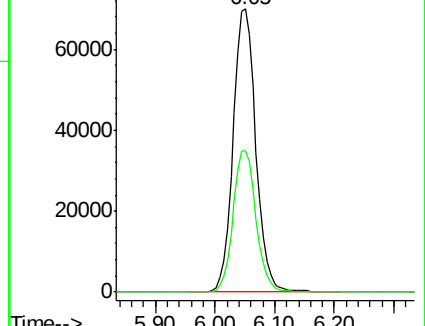
65 100

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: VX011939.D

Acq: 31 Aug 2019 07:00

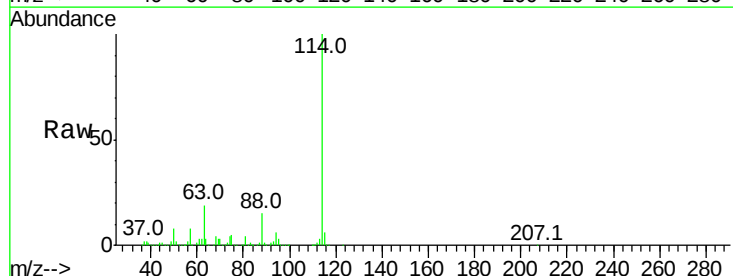
Tgt Ion: 114 Resp: 583443

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.8

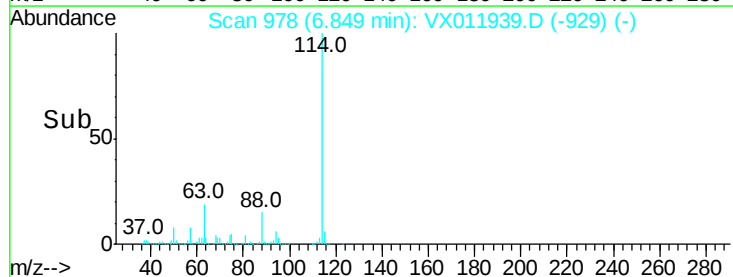
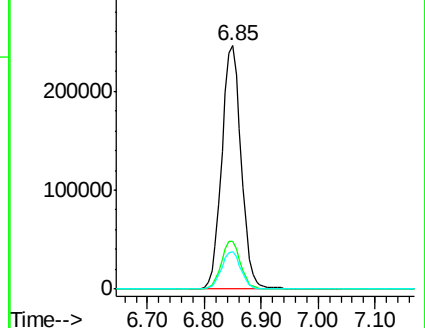
88 15.4 0.0 31.2

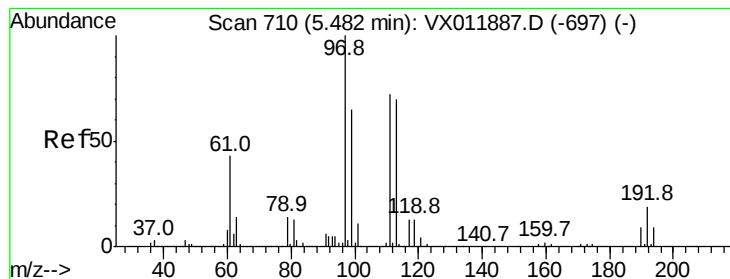


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.178 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011939.D

Acq: 31 Aug 2019 07:00

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-K4-(0)

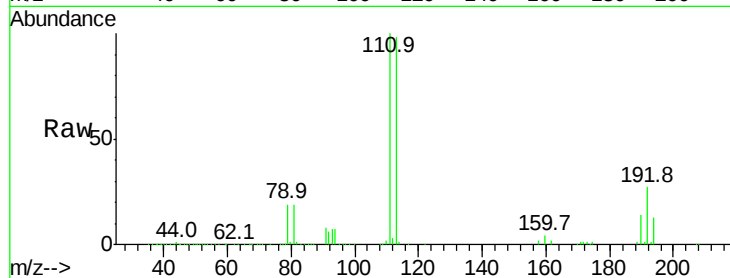
Tgt Ion:113 Resp: 169022

Ion Ratio Lower Upper

113 100

111 101.8 82.1 123.1

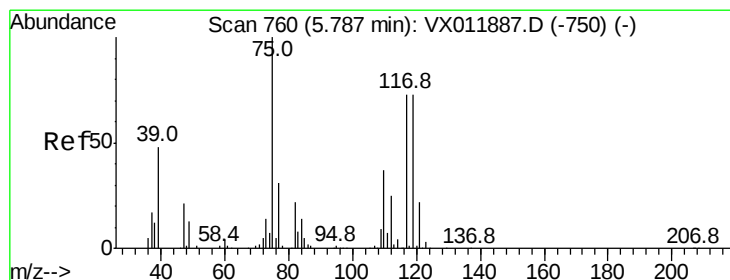
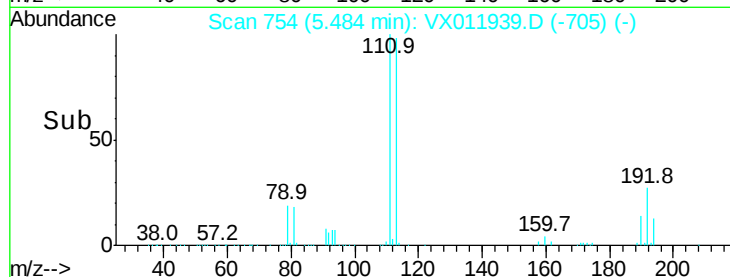
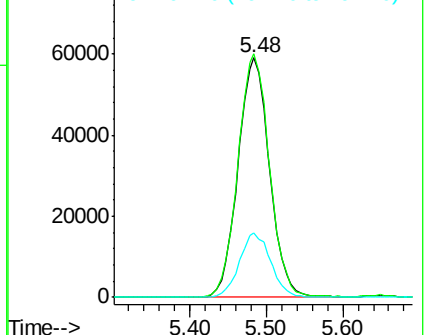
192 26.7 21.5 32.3



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: 5.746 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.14 min

Lab File: VX011939.D

Acq: 31 Aug 2019 07:00

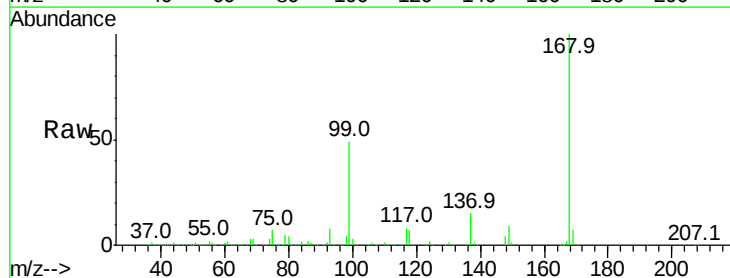
Tgt Ion: 75 Resp: 26561

Ion Ratio Lower Upper

75 100

110 10.3 19.1 57.3#

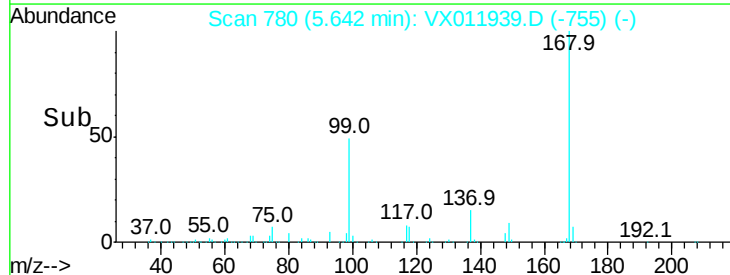
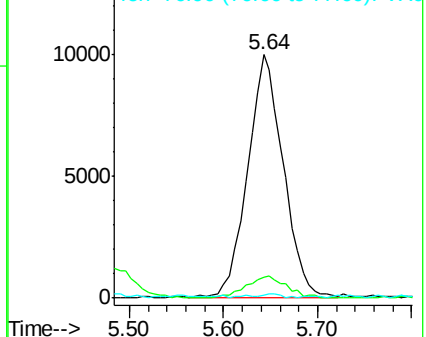
77 0.8 24.4 36.6#

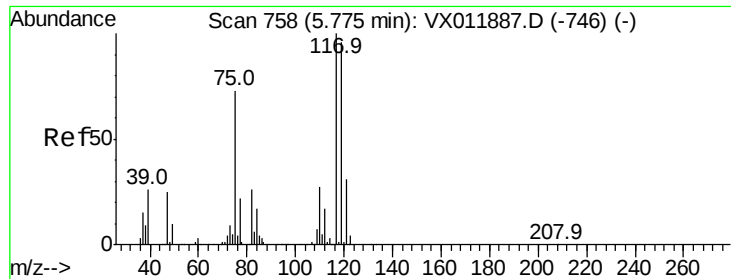


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

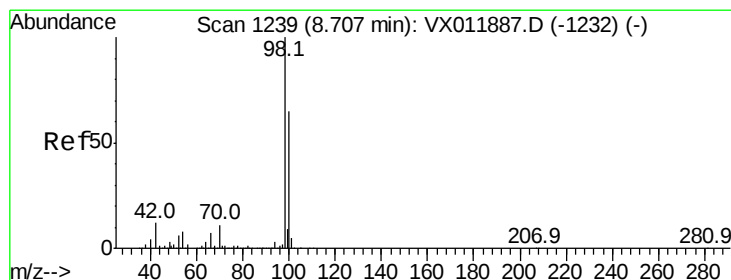
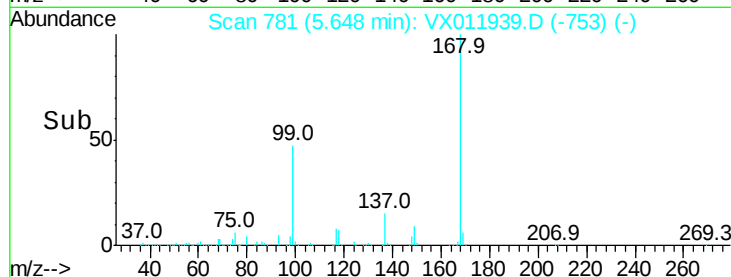
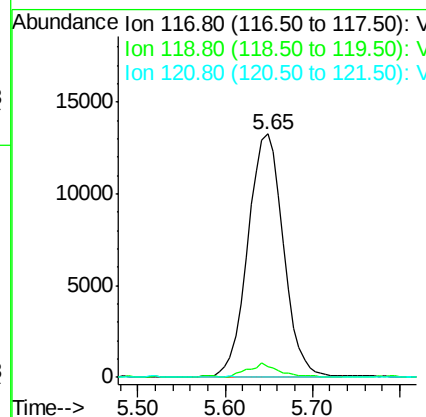
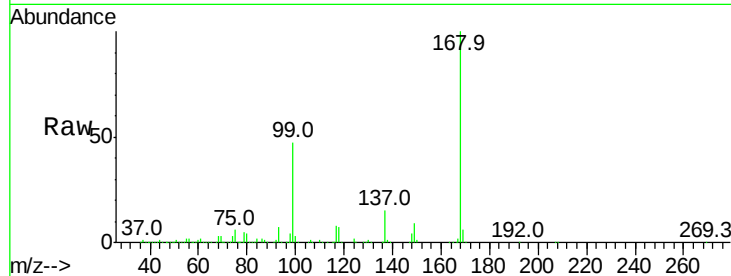




#38
Carbon Tetrachloride
Concen: 7.015 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX011939.D
Acq: 31 Aug 2019 07:00

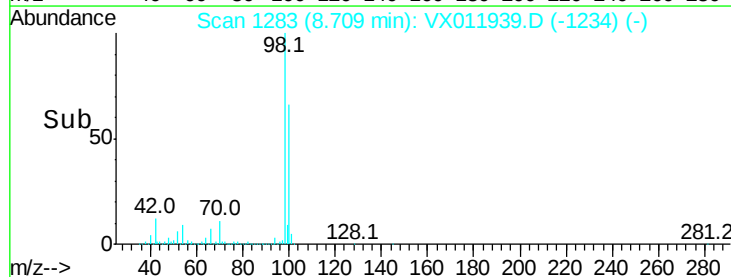
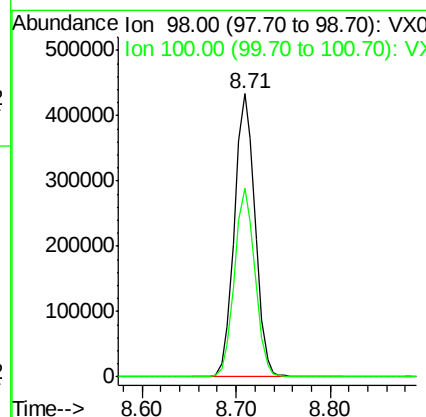
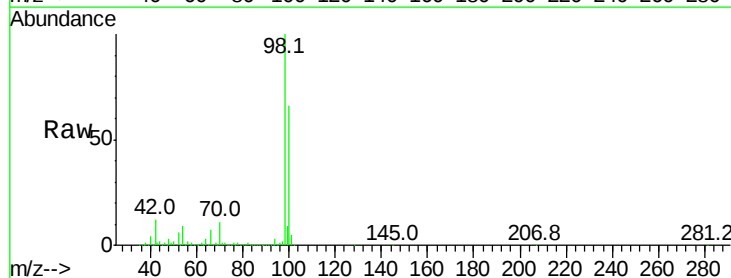
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-K4-(0)

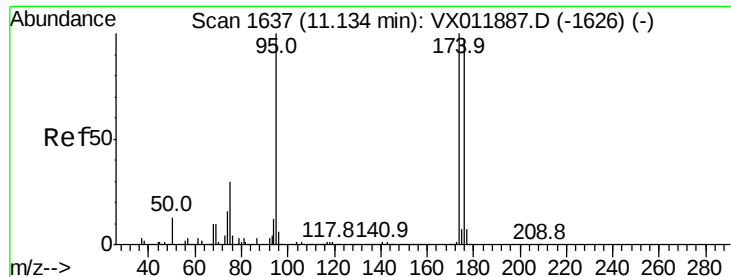
Tgt Ion:117 Resp: 37606
Ion Ratio Lower Upper
117 100
119 4.3 76.6 114.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 49.443 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011939.D
Acq: 31 Aug 2019 07:00

Tgt Ion: 98 Resp: 661245
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.6





#62

4-Bromofluorobenzene

Concen: 39.105 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX011939.D

Acq: 31 Aug 2019 07:00

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-K4-(0)

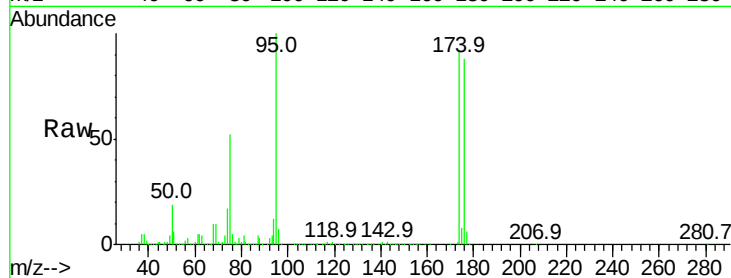
Tgt Ion: 95 Resp: 229415

Ion Ratio Lower Upper

95 100

174 99.4 0.0 196.0

176 97.2 0.0 191.4



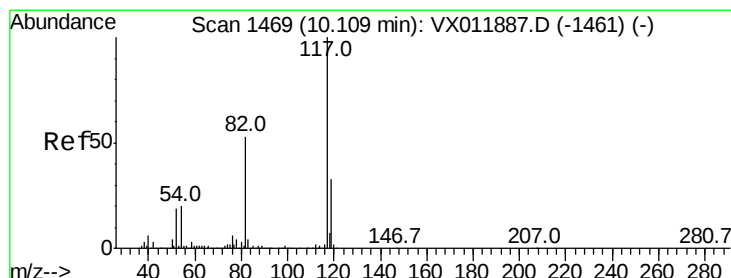
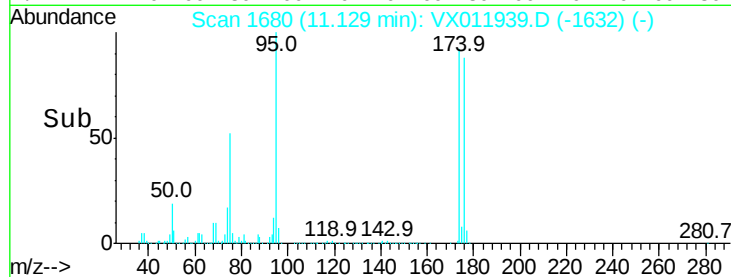
Abundance Ion 94.90 (94.60 to 95.60): VX011887.D (-1626) (-)

Ion 173.80 (173.50 to 174.50): VX011887.D (-1626) (-)

Ion 175.80 (175.50 to 176.50): VX011887.D (-1626) (-)

11.13

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX011939.D

Acq: 31 Aug 2019 07:00

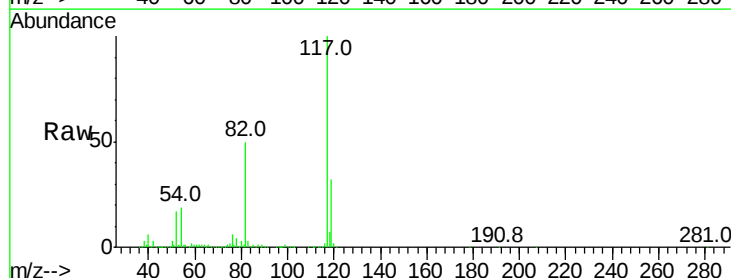
Tgt Ion: 117 Resp: 500926

Ion Ratio Lower Upper

117 100

82 49.8 42.0 63.0

119 32.3 26.2 39.4



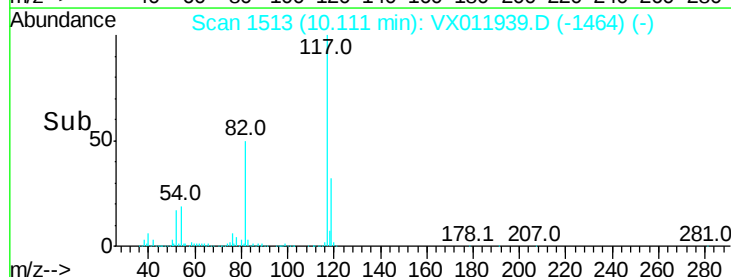
Abundance Ion 116.90 (116.60 to 117.60): VX011887.D (-1461) (-)

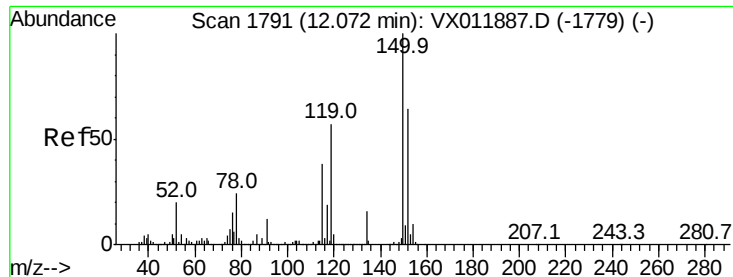
Ion 82.00 (81.70 to 82.70): VX011887.D (-1461) (-)

Ion 118.90 (118.60 to 119.60): VX011887.D (-1461) (-)

10.11

Time-->



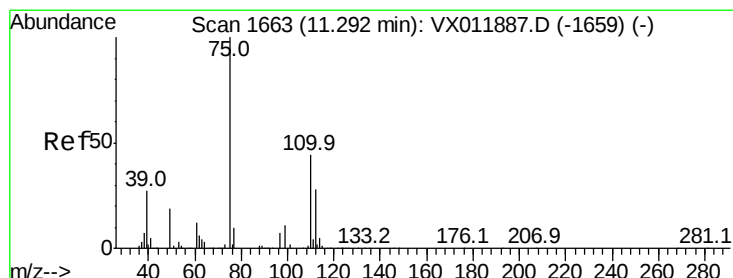
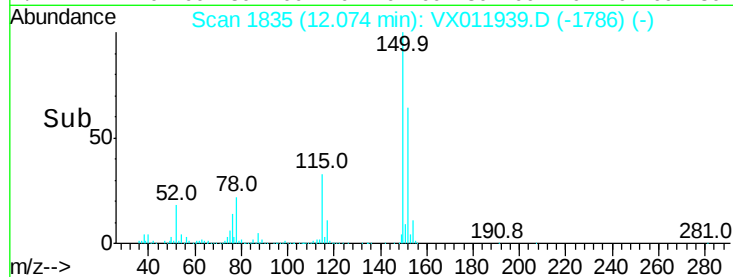
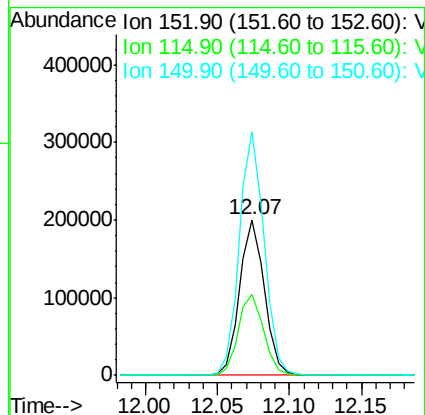
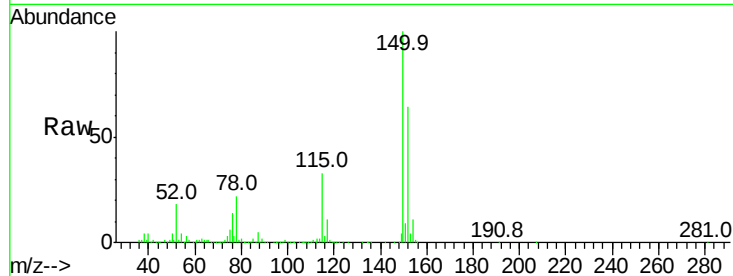


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011939.D
Acq: 31 Aug 2019 07:00

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-K4-(0)

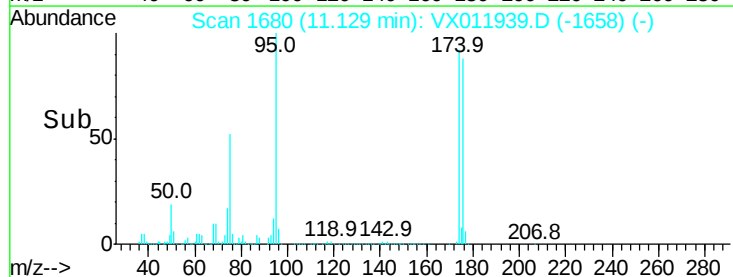
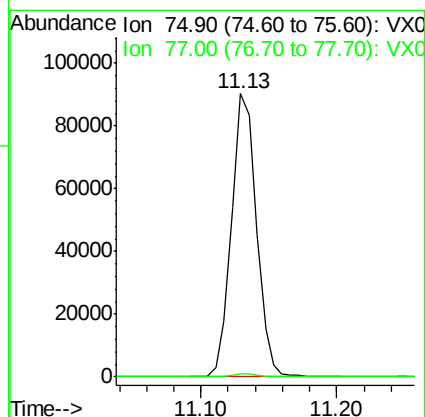
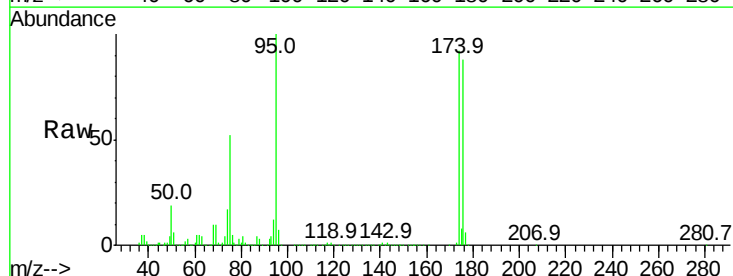
Tgt Ion: 152 Resp: 240720
Ion Ratio Lower Upper
152 100
115 53.3 37.1 111.3
150 156.5 0.0 339.6

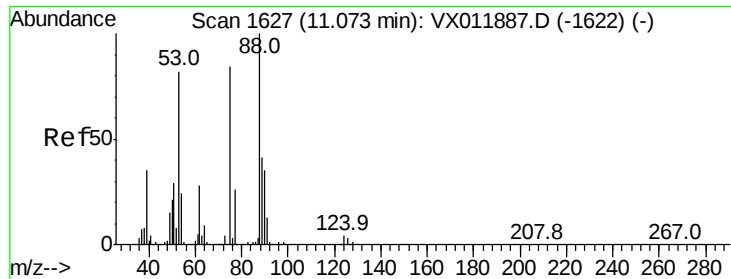


#76

1,2,3-Trichloropropane
Concen: 48.782 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX011939.D
Acq: 31 Aug 2019 07:00

Tgt Ion: 75 Resp: 115514
Ion Ratio Lower Upper
75 100
77 1.3 20.9 62.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 122.549 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX011939.D

Acq: 31 Aug 2019 07:00

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-K4-(0)

Tgt Ion: 75 Resp: 115514

Ion Ratio Lower Upper

75 100

53 0.2 77.1 115.7#

89 0.0 38.2 57.2#

