

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083119\
 Data File : VX011949.D
 Acq On : 31 Aug 2019 14:27
 Operator : SY/SP
 Sample : K4516-13
 Misc : 6.69g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-S-B3-(0)

Quant Time: Sep 01 01:50:16 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	5.64	168	433195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	576786	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	495453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	242171	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	181191	43.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.32%	
35) Dibromofluoromethane	5.48	113	166901	45.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.26%	
50) Toluene-d8	8.71	98	652193	49.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	11.14	95	226464	39.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.10%	

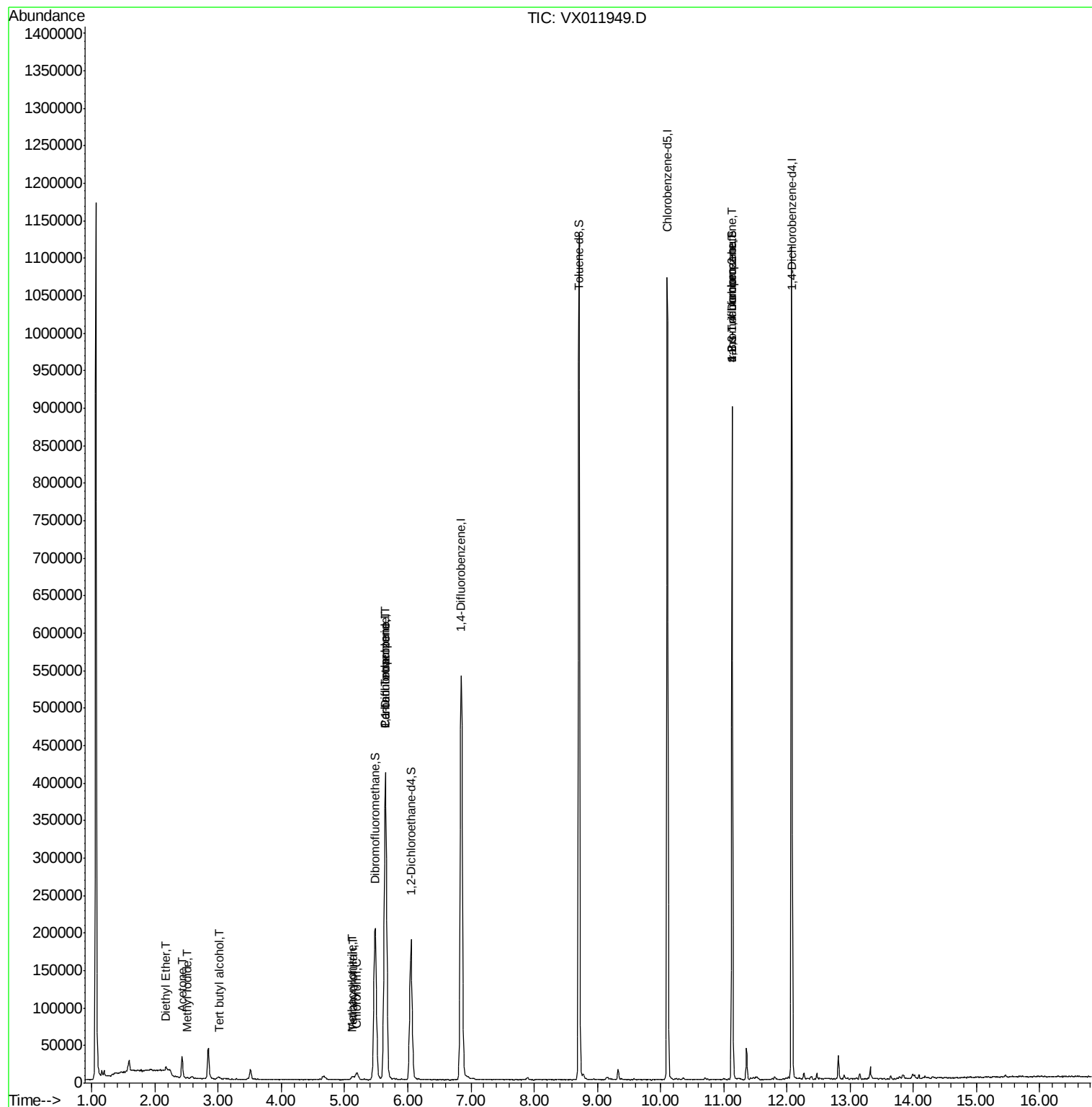
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	2216	1.283	ug/l	82
10) Methyl Iodide	2.50	142	739	3.868	ug/l	90
11) Tert butyl alcohol	3.02	59	3563	8.923	ug/l	98
16) Acetone	2.43	43	30714	34.394	ug/l	99
29) Tetrahydrofuran	5.12	42	4349	5.357	ug/l #	81
30) Chloroform	5.19	83	10660	1.552	ug/l	95
36) 1,1-Dichloropropene	5.64	75	26598	5.821	ug/l #	41
38) Carbon Tetrachloride	5.65	117	37475	7.071	ug/l #	16
41) Methacrylonitrile	5.12	41	3201	2.010	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	113548	47.664	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	113548	119.741	ug/l #	11

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

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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: 5.64 min Scan# 780

Delta R.T. -0.00 min

Lab File: VX011949.D

Acq: 31 Aug 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

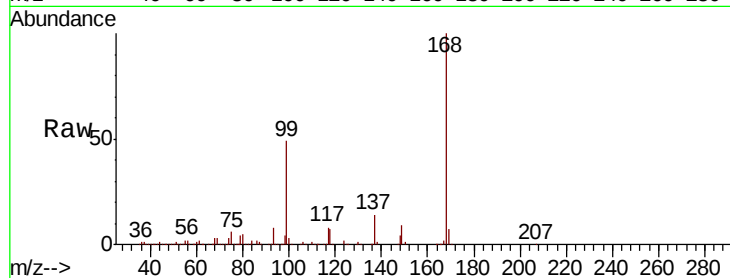
T2-S-B3-(0)

Tgt Ion:168 Resp: 433195

Ion Ratio Lower Upper

168 100

99 48.5 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

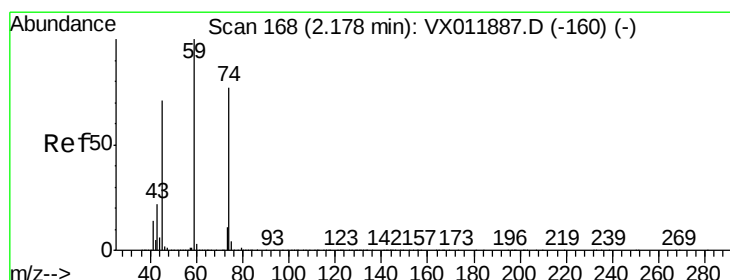
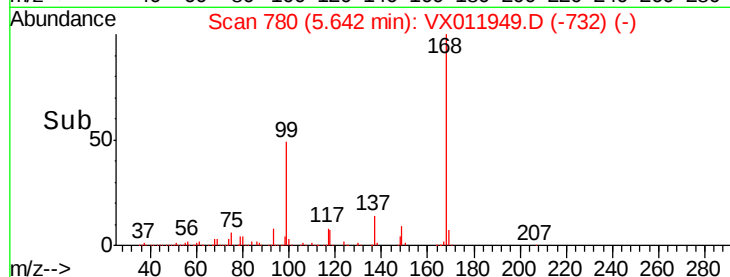
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#8

Diethyl Ether

Concen: 1.283 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX011949.D

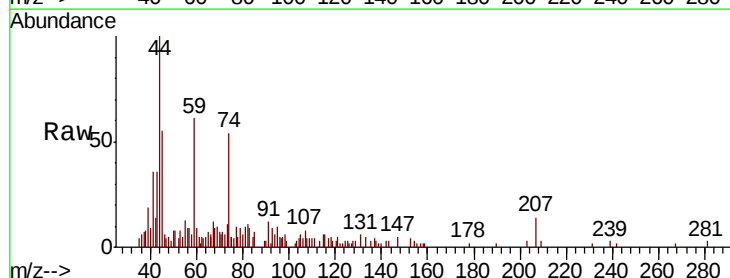
Acq: 31 Aug 2019 14:27

Tgt Ion: 74 Resp: 2216

Ion Ratio Lower Upper

74 100

45 76.2 46.7 140.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

1500

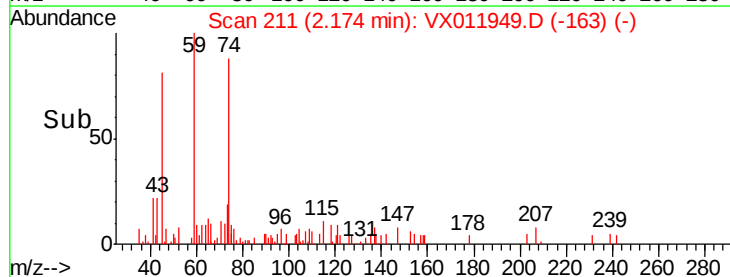
1000

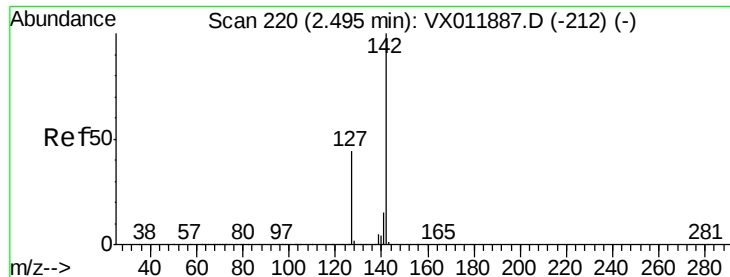
500

0

2.10 2.15 2.20 2.25

Time-->

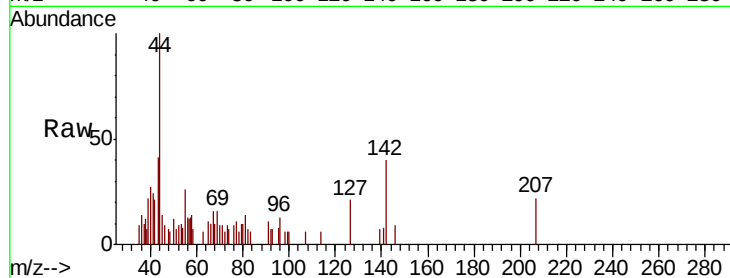




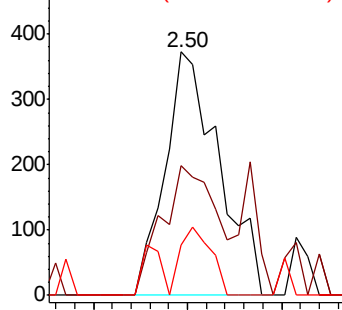
#10
Methyl Iodide
Concen: 3.868 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011949.D
Acq: 31 Aug 2019 14:27

Instrument :
MSVOA_X
ClientSampleId :
T2-S-B3-(0)

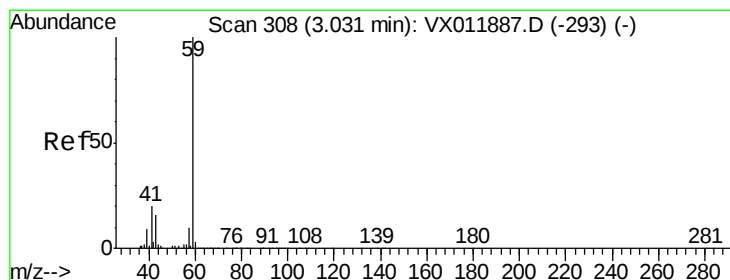
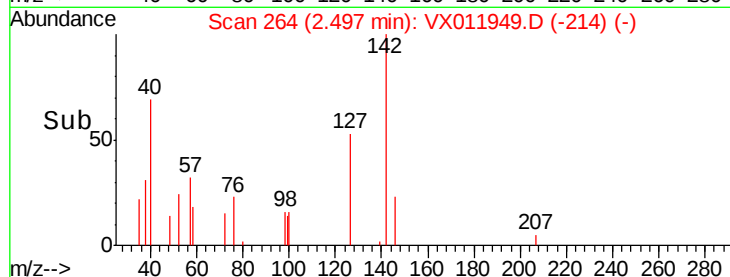
Tgt Ion:142 Resp: 739
Ion Ratio Lower Upper
142 100
127 52.9 35.7 53.5
141 16.1 11.8 17.6



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

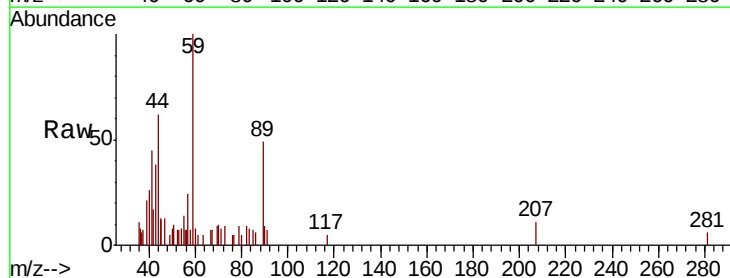


Time-->

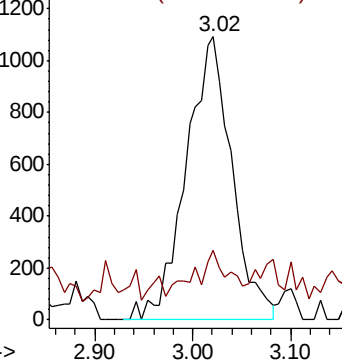


#11
Tert butyl alcohol
Concen: 8.923 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX011949.D
Acq: 31 Aug 2019 14:27

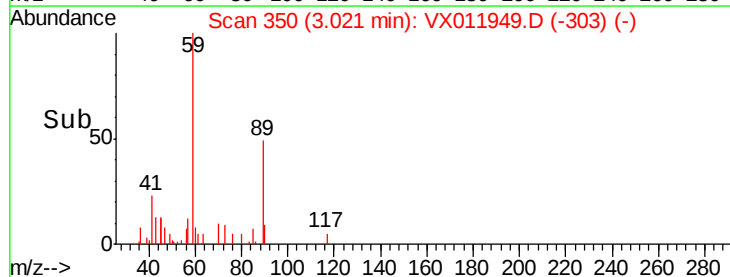
Tgt Ion: 59 Resp: 3563
Ion Ratio Lower Upper
59 100
57 11.3 8.6 12.8

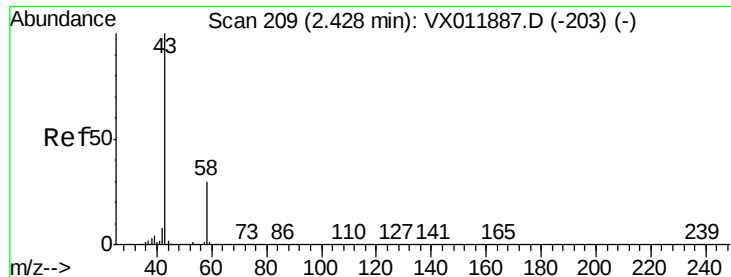


Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



Time-->





#16

Acetone

Concen: 34.394 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011949.D

Acq: 31 Aug 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

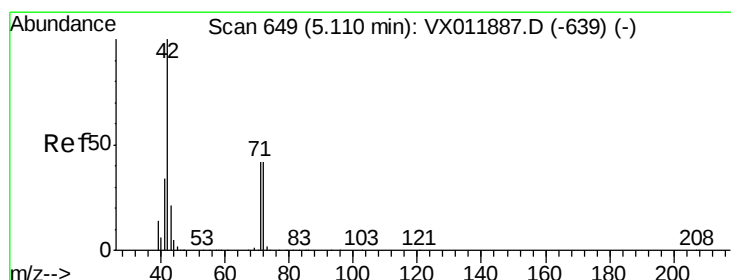
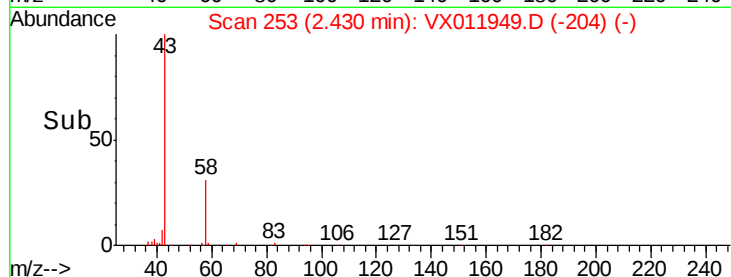
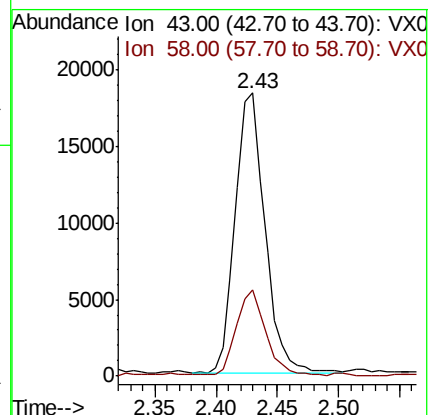
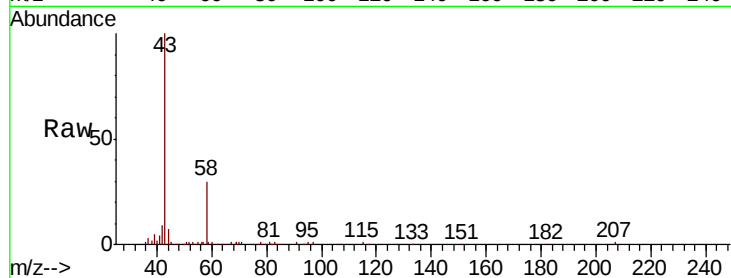
T2-S-B3-(0)

Tgt Ion: 43 Resp: 30714

Ion Ratio Lower Upper

43 100

58 30.1 23.8 35.8



#29

Tetrahydrofuran

Concen: 5.357 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX011949.D

Acq: 31 Aug 2019 14:27

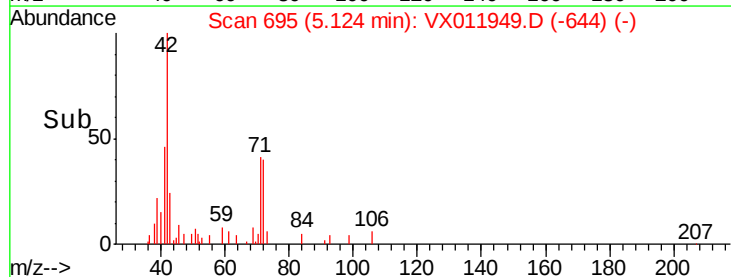
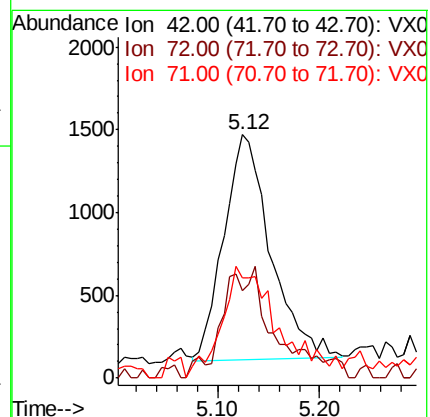
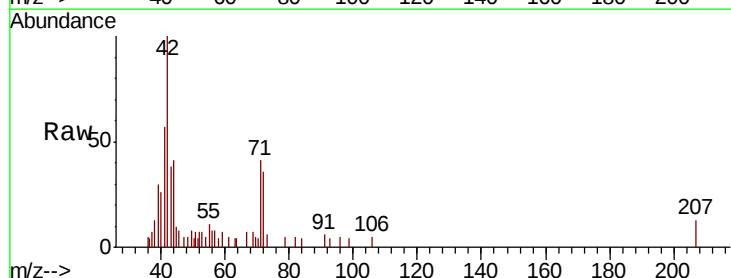
Tgt Ion: 42 Resp: 4349

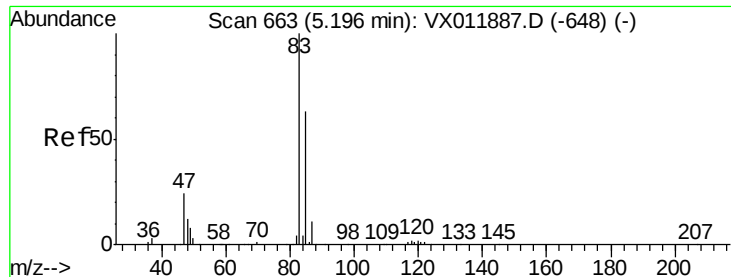
Ion Ratio Lower Upper

42 100

72 52.7 36.2 54.4

71 58.1 33.1 49.7#

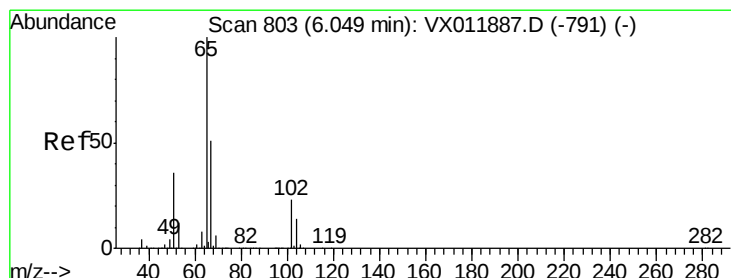
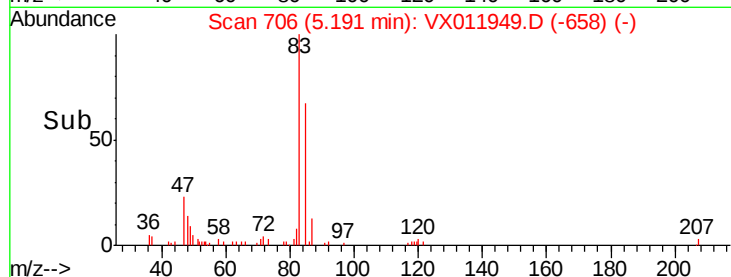
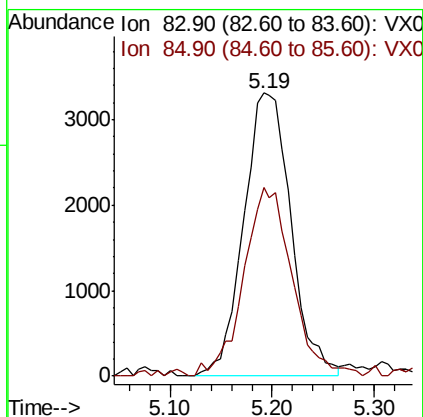
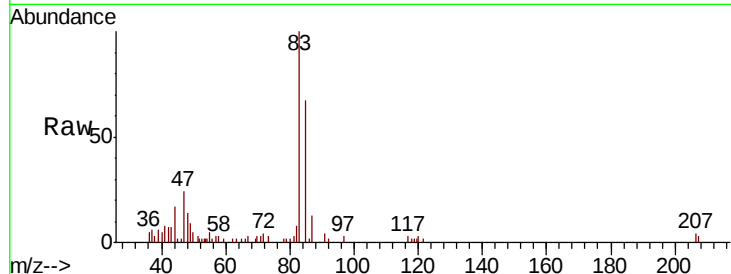




#30
Chloroform
Concen: 1.552 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX011949.D
Acq: 31 Aug 2019 14:27

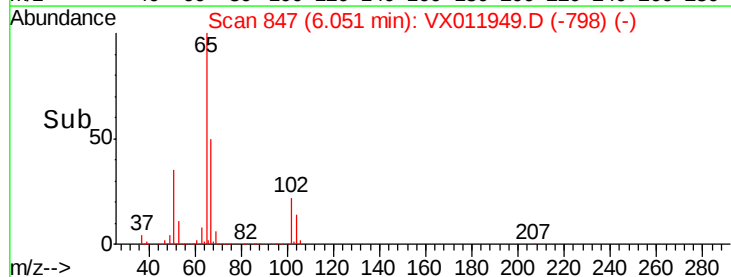
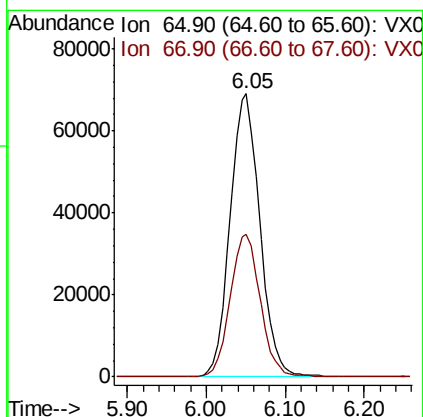
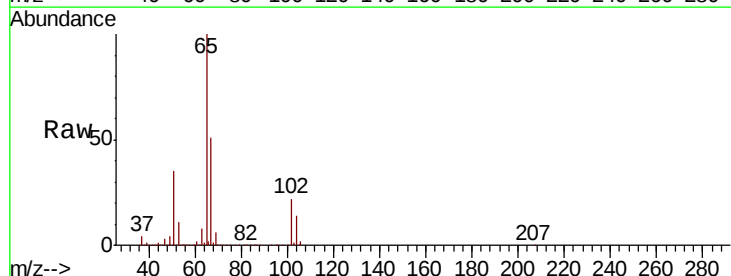
Instrument :
MSVOA_X
ClientSampleId :
T2-S-B3-(0)

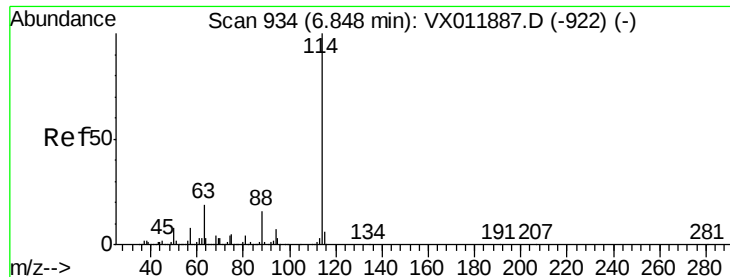
Tgt Ion: 83 Resp: 10660
Ion Ratio Lower Upper
83 100
85 66.7 50.6 75.8



#33
1,2-Dichloroethane-d4
Concen: 43.656 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX011949.D
Acq: 31 Aug 2019 14:27

Tgt Ion: 65 Resp: 181191
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.2

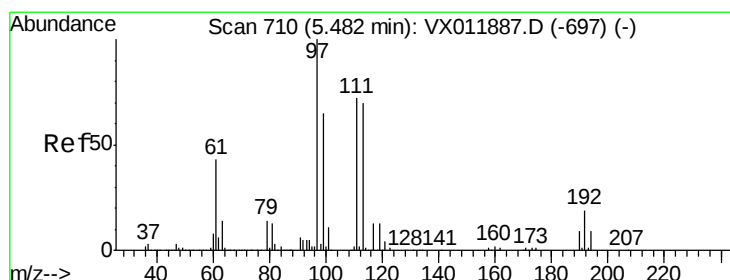
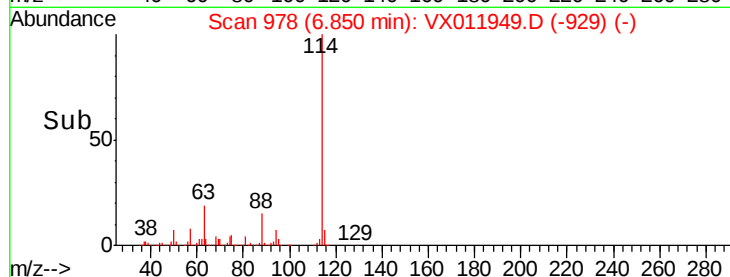
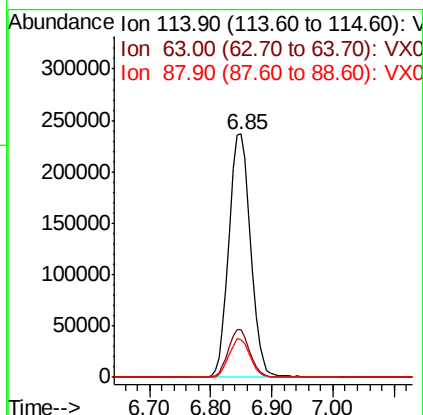
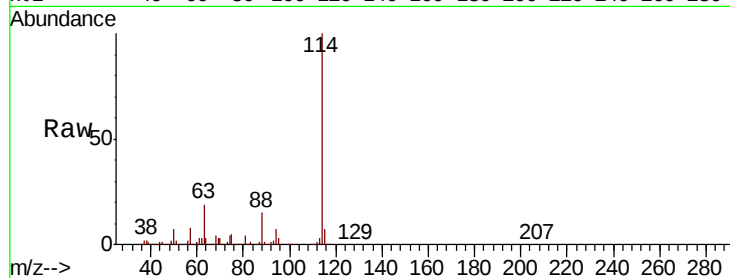




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX011949.D
 Acq: 31 Aug 2019 14:27

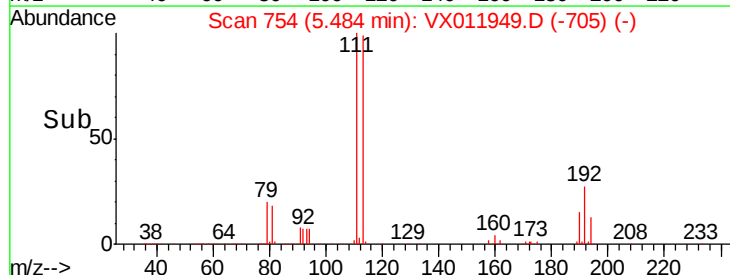
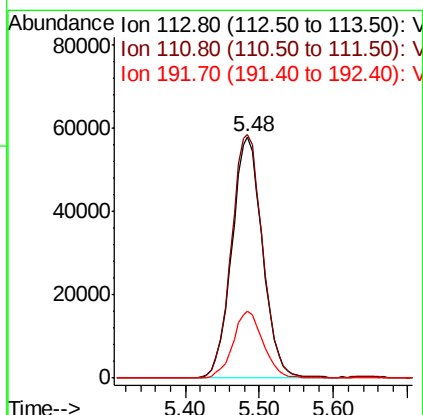
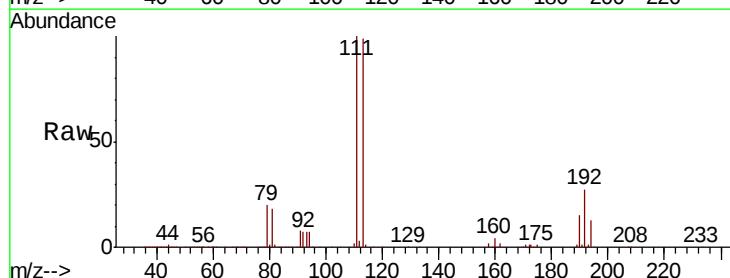
Instrument :
 MSVOA_X
 ClientSampleId :
 T2-S-B3-(0)

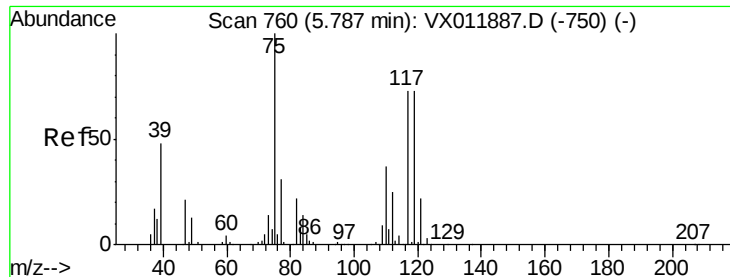
Tgt Ion:114 Resp: 576786
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.8
 88 15.4 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 45.126 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX011949.D
 Acq: 31 Aug 2019 14:27

Tgt Ion:113 Resp: 166901
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.1 123.1
 192 27.3 21.5 32.3





#36

1,1-Dichloropropene

Concen: 5.821 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.14 min

Lab File: VX011949.D

Acq: 31 Aug 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

T2-S-B3-(0)

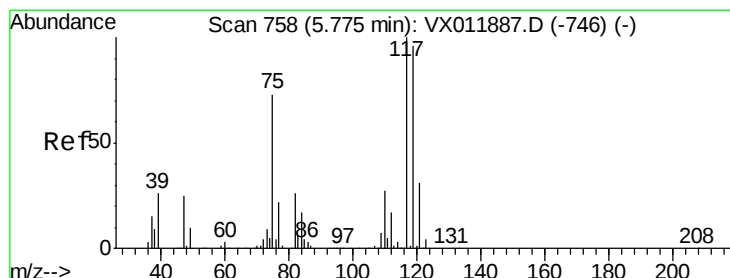
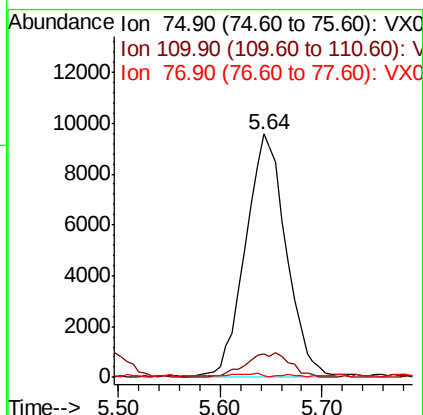
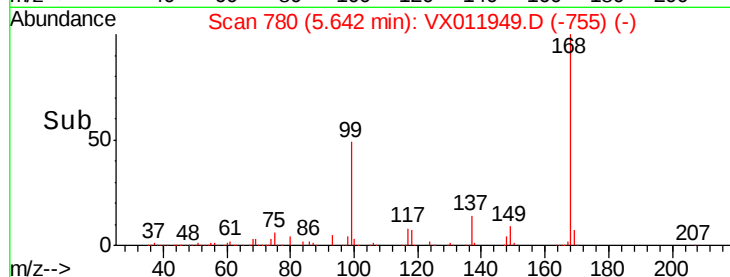
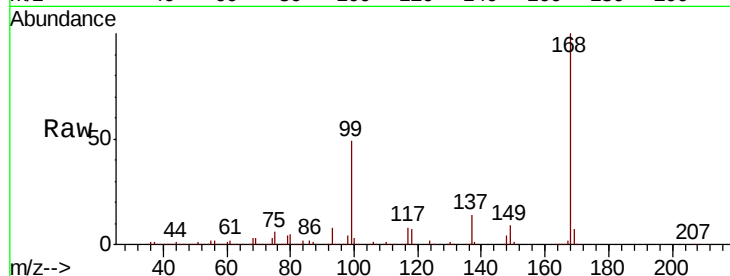
Tgt Ion: 75 Resp: 26598

Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.3#

77 1.2 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 7.071 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX011949.D

Acq: 31 Aug 2019 14:27

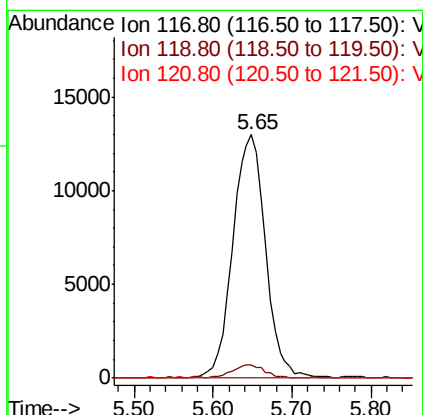
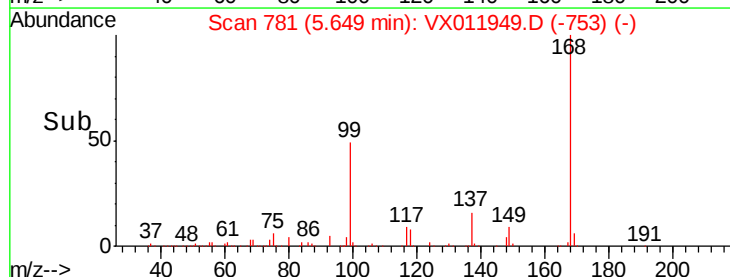
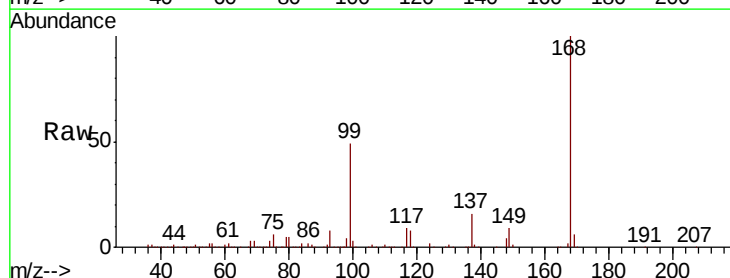
Tgt Ion: 117 Resp: 37475

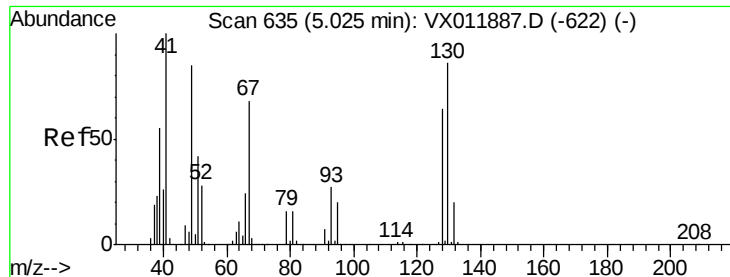
Ion Ratio Lower Upper

117 100

119 5.2 76.6 114.8#

121 0.0 24.7 37.1#

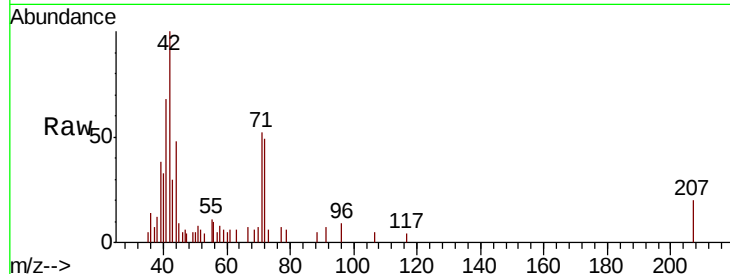




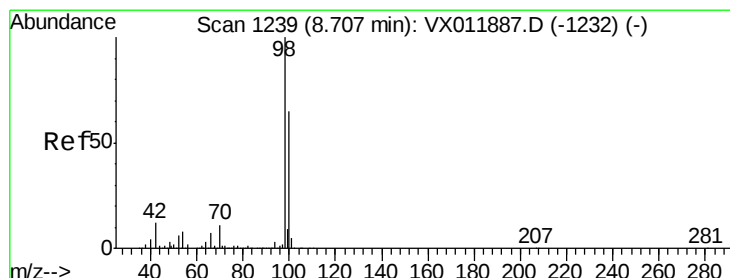
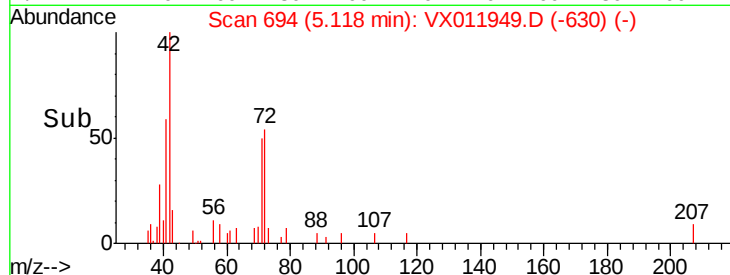
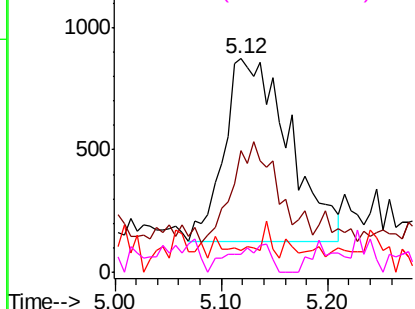
#41
Methacrylonitrile
Concen: 2.010 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.09 min
Lab File: VX011949.D
Acq: 31 Aug 2019 14:27

Instrument :
MSVOA_X
ClientSampled :
T2-S-B3-(0)

Tgt Ion: 41 Resp: 3201
Ion Ratio Lower Upper
41 100
39 38.7 45.0 67.6#
67 0.0 55.0 82.4#
52 0.0 24.1 36.1#

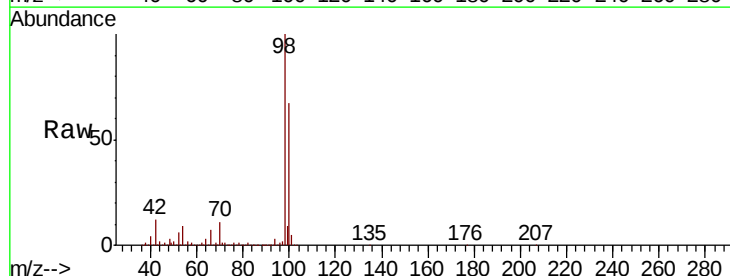


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

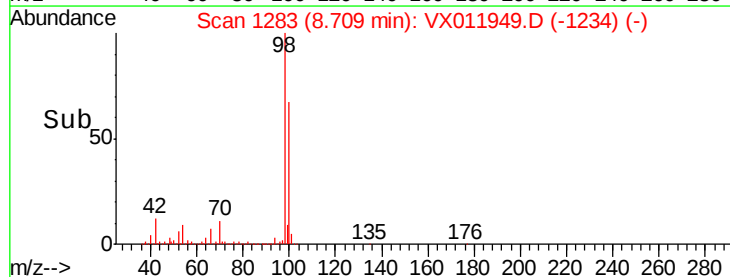
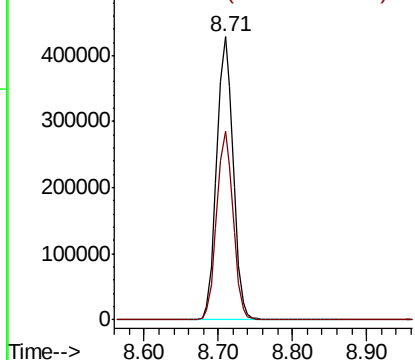


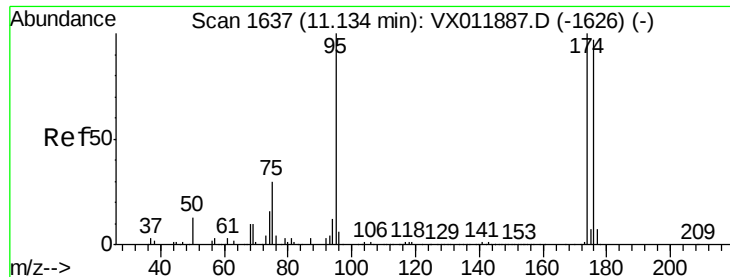
#50
Toluene-d8
Concen: 49.329 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011949.D
Acq: 31 Aug 2019 14:27

Tgt Ion: 98 Resp: 652193
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

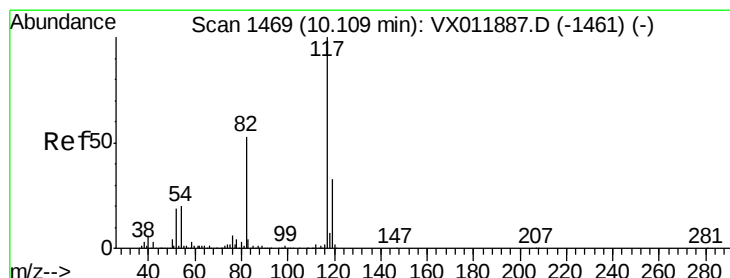
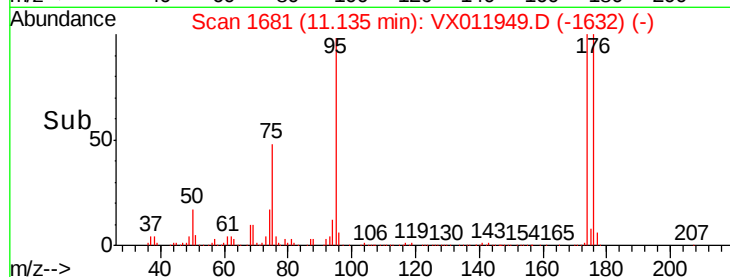
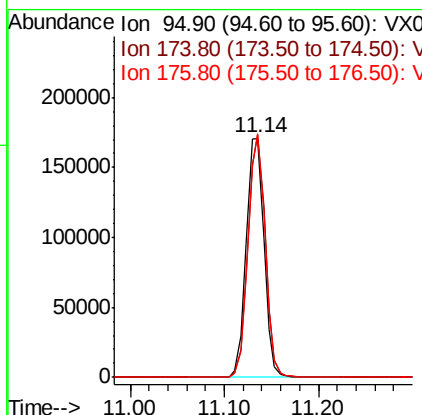
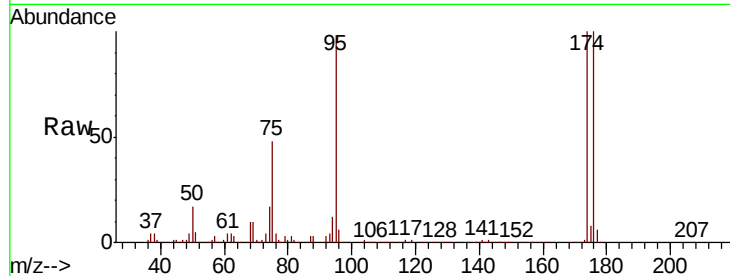




#62
4-Bromofluorobenzene
Concen: 39.047 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX011949.D
Acq: 31 Aug 2019 14:27

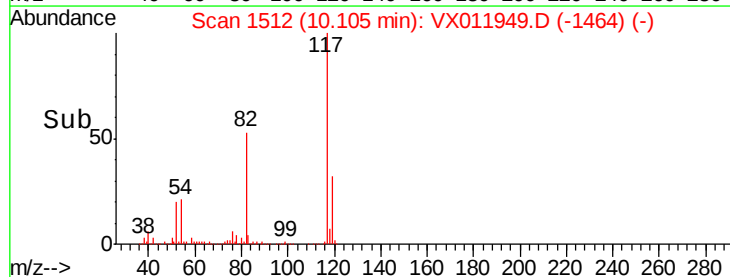
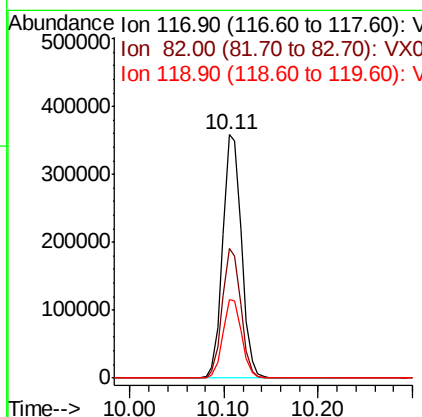
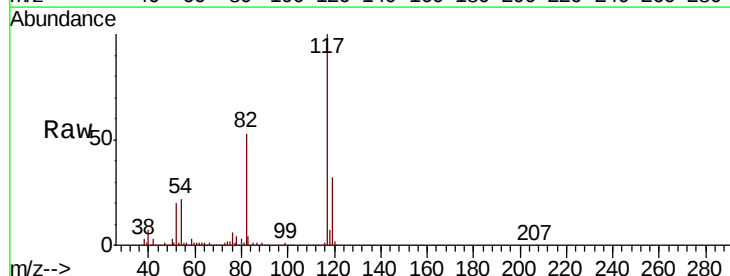
Instrument :
MSVOA_X
ClientSampleId :
T2-S-B3-(0)

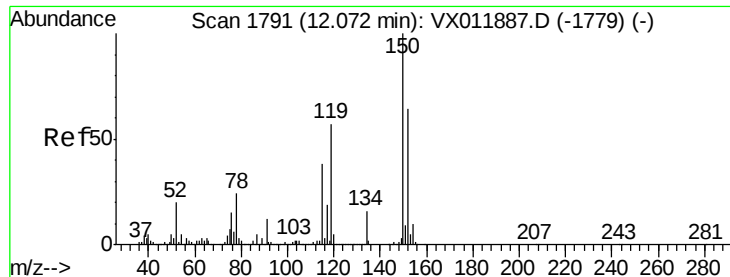
Tgt Ion: 95 Resp: 226464
Ion Ratio Lower Upper
95 100
174 98.9 0.0 196.0
176 97.5 0.0 191.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.00 min
Lab File: VX011949.D
Acq: 31 Aug 2019 14:27

Tgt Ion: 117 Resp: 495453
Ion Ratio Lower Upper
117 100
82 53.4 42.0 63.0
119 32.3 26.2 39.4



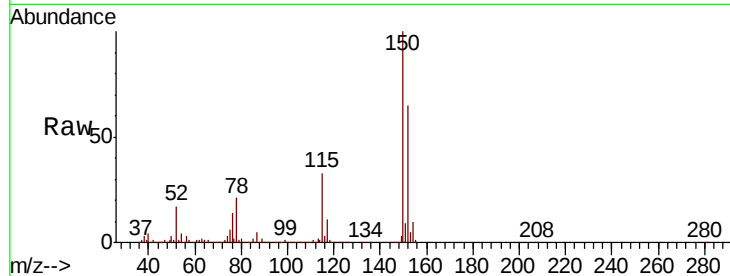


#72

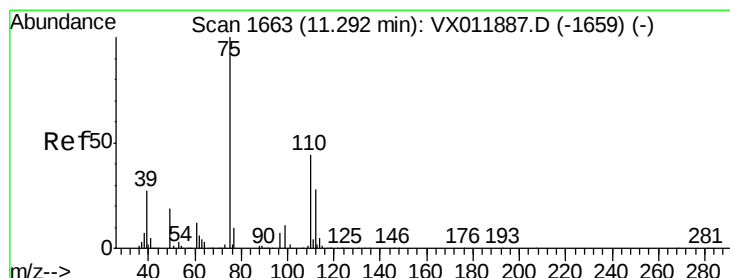
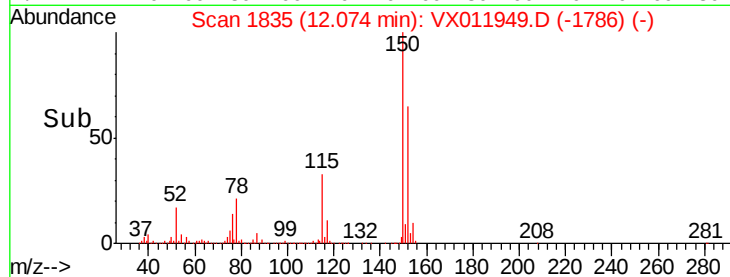
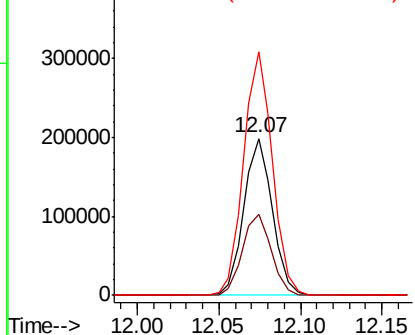
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011949.D
Acq: 31 Aug 2019 14:27

Instrument :
MSVOA_X
ClientSampleId :
T2-S-B3-(0)

Tgt Ion: 152 Resp: 242171
Ion Ratio Lower Upper
152 100
115 52.5 37.1 111.3
150 156.7 0.0 339.6



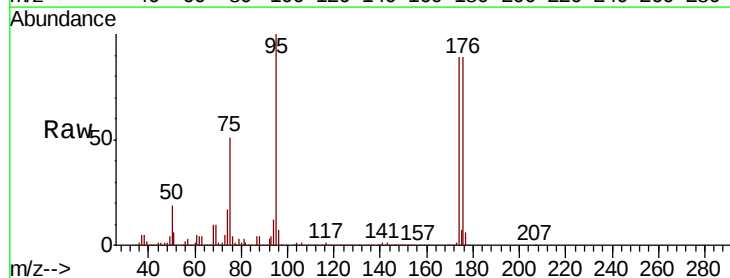
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



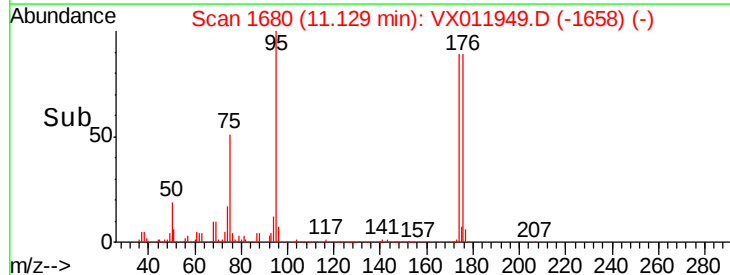
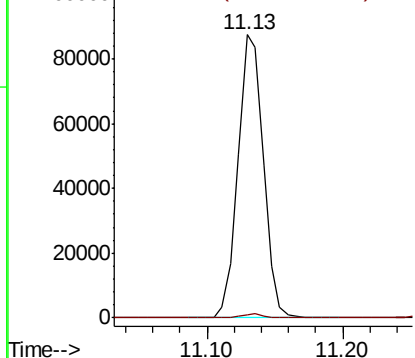
#76

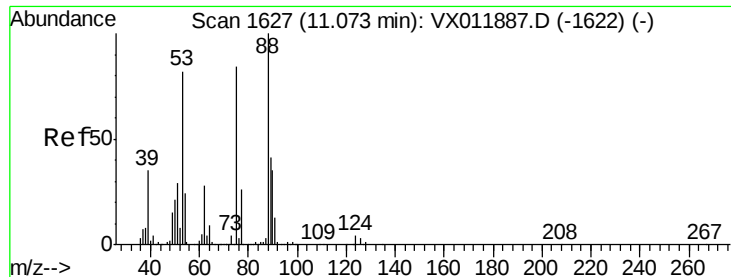
1,2,3-Trichloropropane
Concen: 47.664 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX011949.D
Acq: 31 Aug 2019 14:27

Tgt Ion: 75 Resp: 113548
Ion Ratio Lower Upper
75 100
77 1.6 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: 119.741 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX011949.D

Acq: 31 Aug 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

T2-S-B3-(0)

Tgt Ion: 75 Resp: 113548

Ion Ratio Lower Upper

75 100

53 0.1 77.1 115.7#

89 0.0 38.2 57.2#

