

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
 Data File : VX011916.D
 Acq On : 30 Aug 2019 19:14
 Operator : SY/SP
 Sample : K4472-14
 Misc : 5.44g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-S4-(2.5)

Quant Time: Aug 31 02:04:34 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	304750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	398804	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	320964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	124227	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	129896	44.49	ug/l	0.00
Spiked Amount			Recovery	=	88.98%	
35) Dibromofluoromethane	5.48	113	120467	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	
50) Toluene-d8	8.71	98	445469	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
62) 4-Bromofluorobenzene	11.14	95	136286	33.99	ug/l	0.00
Spiked Amount			Recovery	=	67.98%	

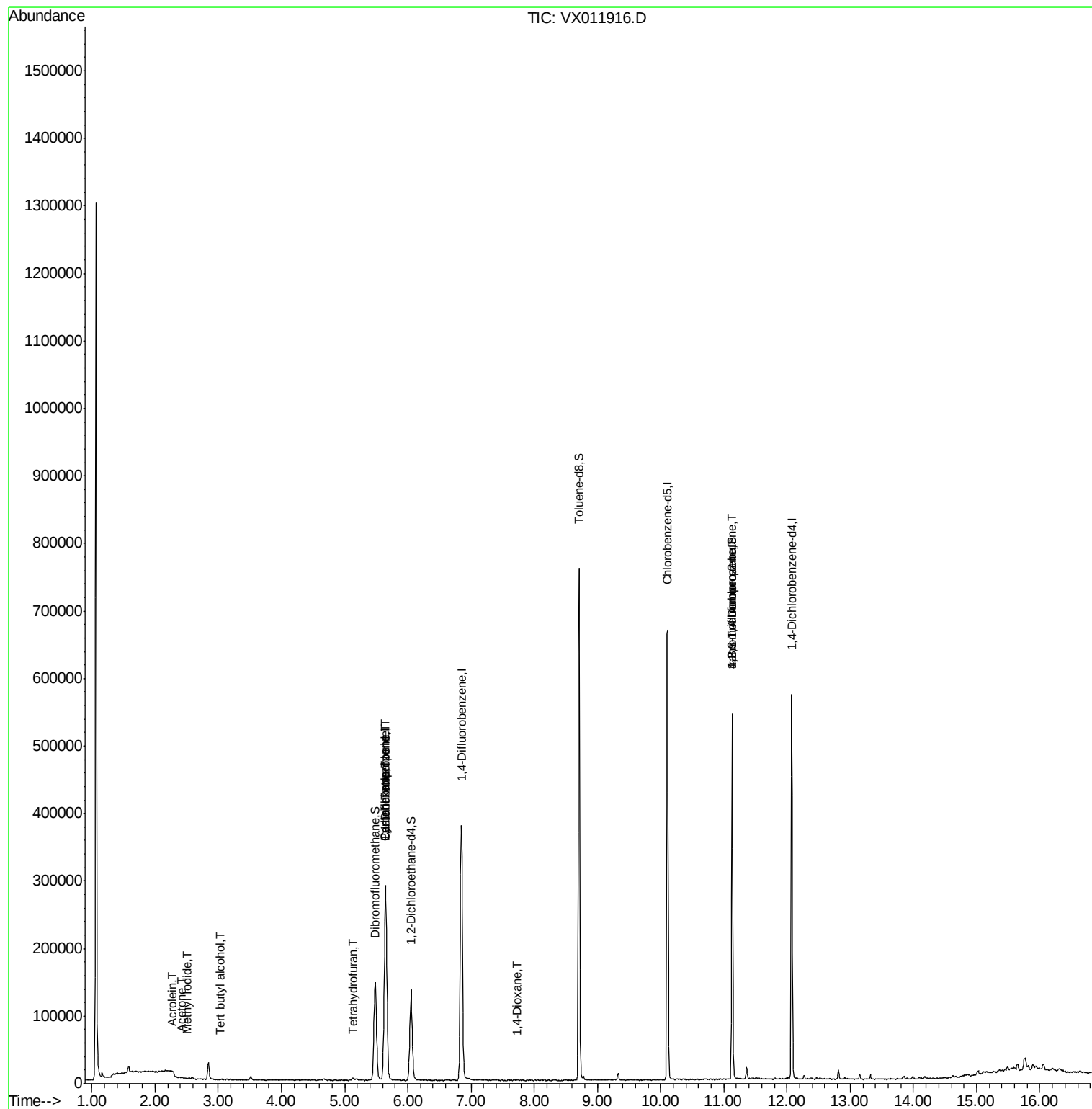
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	233	3.762	ug/l #	83
11) Tert butyl alcohol	3.02	59	1029	3.663	ug/l #	93
13) Acrolein	2.28	56	217	1.552	ug/l #	13
16) Acetone	2.42	43	2424	3.859	ug/l #	86
20) Methylene Chloride	2.84	84	12288	Below Cal		98
29) Tetrahydrofuran	5.13	42	3128	5.477	ug/l	93
31) Cyclohexane	5.64	56	4553	1.249	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	18824	5.958	ug/l #	51
38) Carbon Tetrachloride	5.65	117	26243	7.162	ug/l #	16
49) 1,4-Dioxane	7.72	88	40	1.577	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	67311	55.081	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	67311	138.374	ug/l #	11

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

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T2-S4-(2.5)

Quant Time: Aug 31 02:04:34 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: VX011916.D

Acq: 30 Aug 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

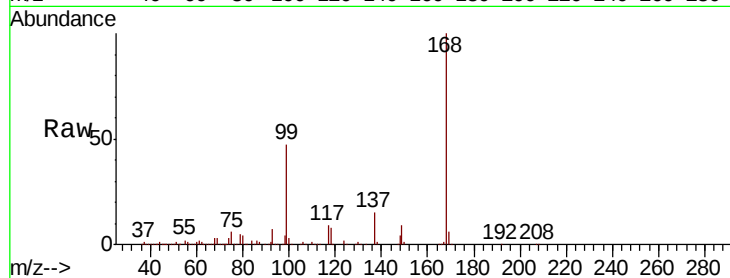
T2-S4-(2.5)

Tgt Ion:168 Resp: 304750

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

5.65

120000

100000

80000

60000

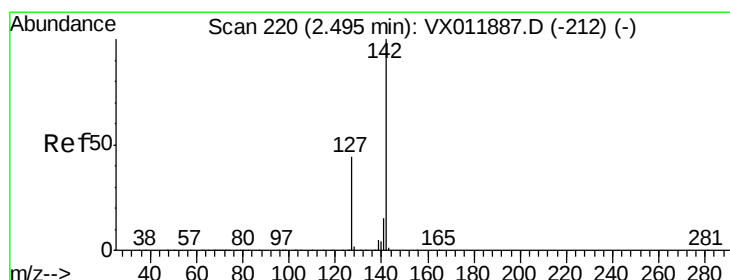
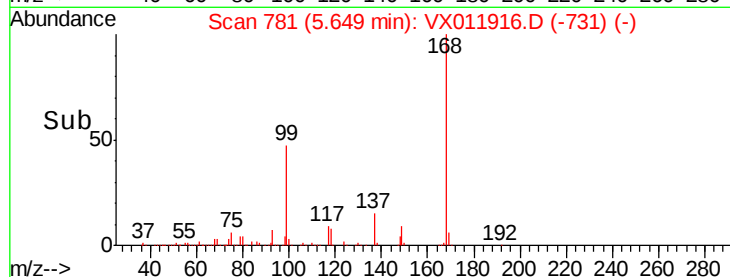
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 3.762 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX011916.D

Acq: 30 Aug 2019 19:14

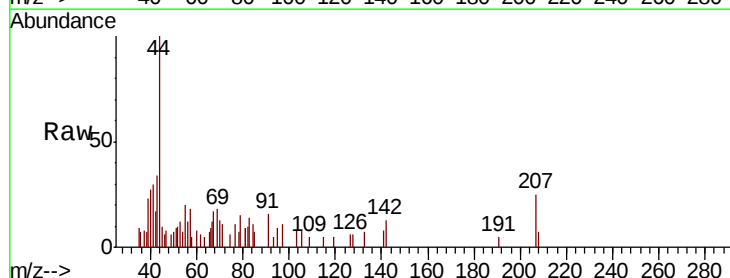
Tgt Ion:142 Resp: 233

Ion Ratio Lower Upper

142 100

127 54.5 35.7 53.5#

141 23.6 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

2.51

150

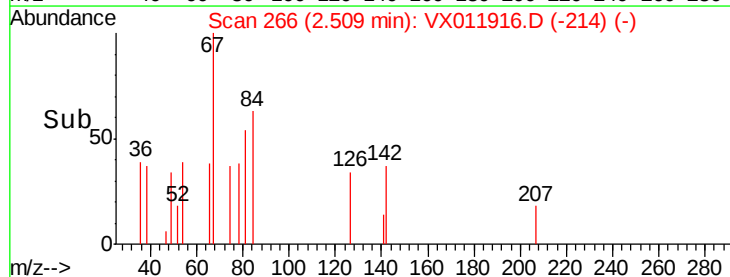
100

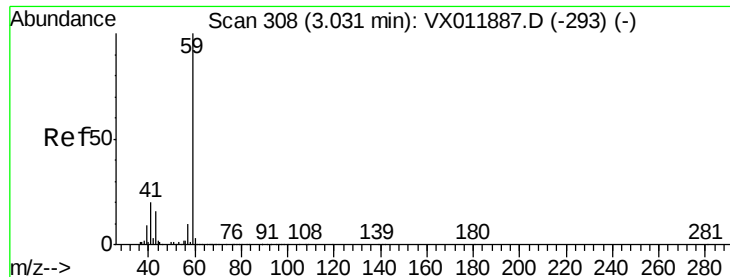
50

0

Time-->

2.45 2.50 2.55



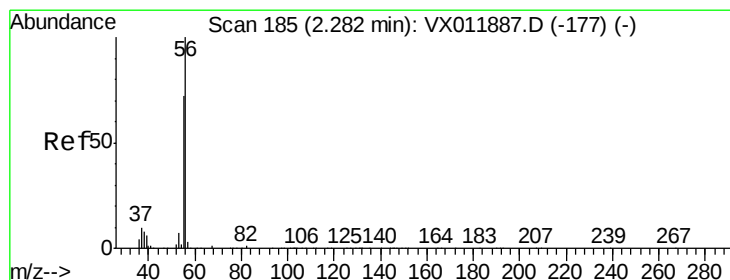
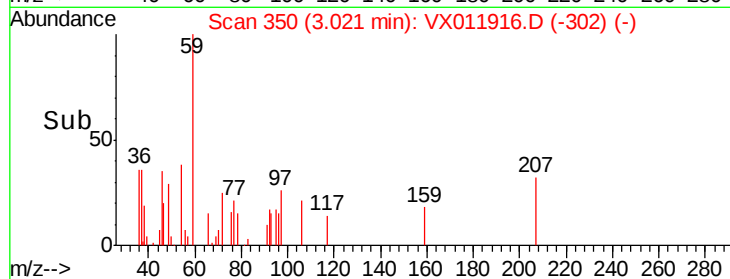
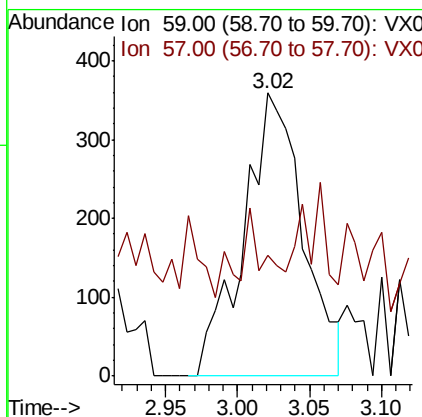
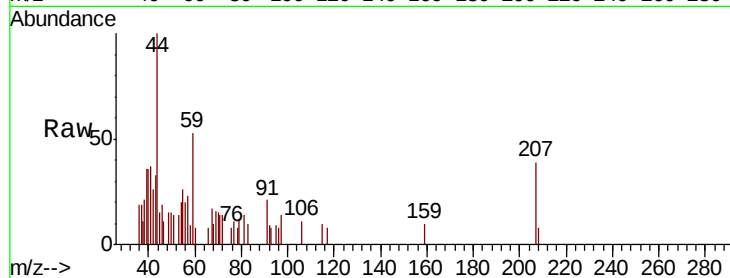


#11

Tert butyl alcohol
 Concen: 3.663 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VX011916.D
 Acq: 30 Aug 2019 19:14

Instrument :
 MSVOA_X
 ClientSampled :
 T2-S4-(2.5)

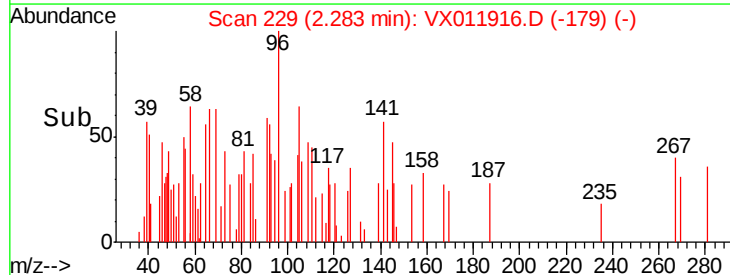
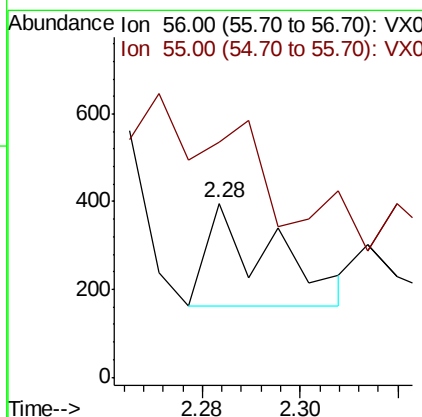
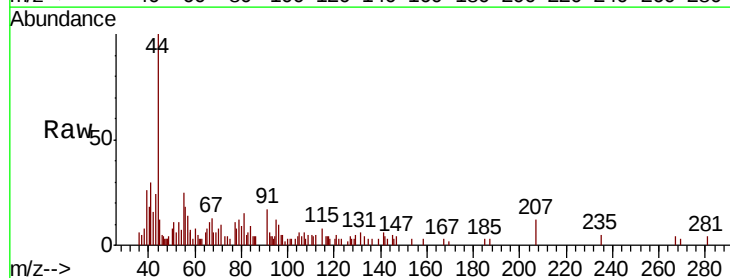
Tgt Ion: 59 Resp: 1029
 Ion Ratio Lower Upper
 59 100
 57 13.4 8.6 12.8#

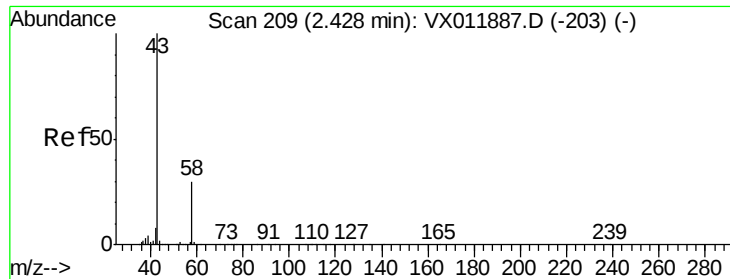


#13

Acrolein
 Concen: 1.552 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX011916.D
 Acq: 30 Aug 2019 19:14

Tgt Ion: 56 Resp: 217
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.6 88.0#





#16

Acetone

Concen: 3.859 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.00 min

Lab File: VX011916.D

Acq: 30 Aug 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

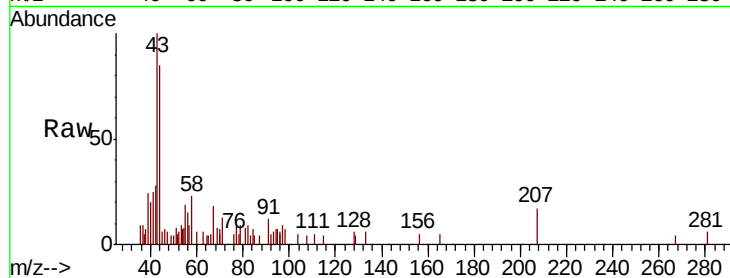
T2-S4-(2.5)

Tgt Ion: 43 Resp: 2424

Ion Ratio Lower Upper

43 100

58 22.4 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

1500

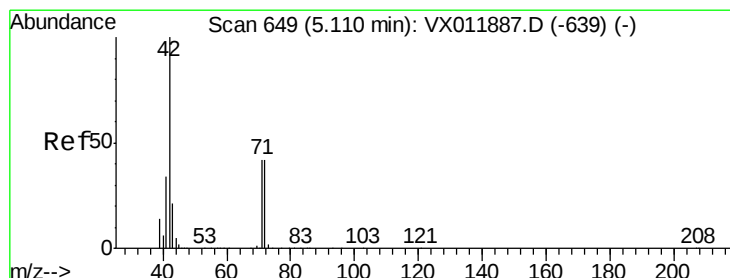
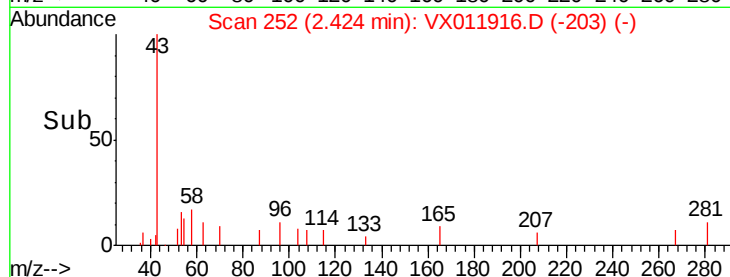
1000

500

0

2.35 2.40 2.45 2.50

Time-->



#29

Tetrahydrofuran

Concen: 5.477 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX011916.D

Acq: 30 Aug 2019 19:14

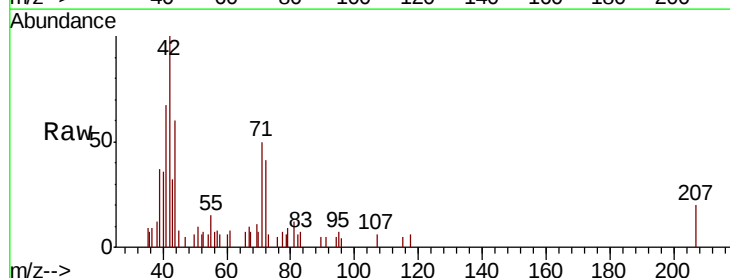
Tgt Ion: 42 Resp: 3128

Ion Ratio Lower Upper

42 100

72 53.6 36.2 54.4

71 41.8 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

1500

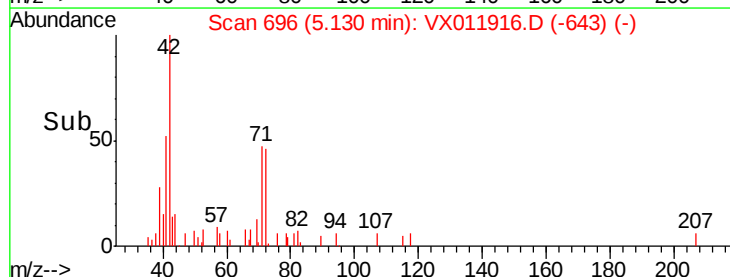
1000

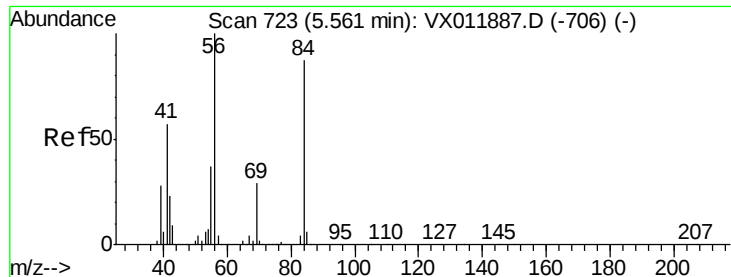
500

0

5.05 5.10 5.15 5.20

Time-->

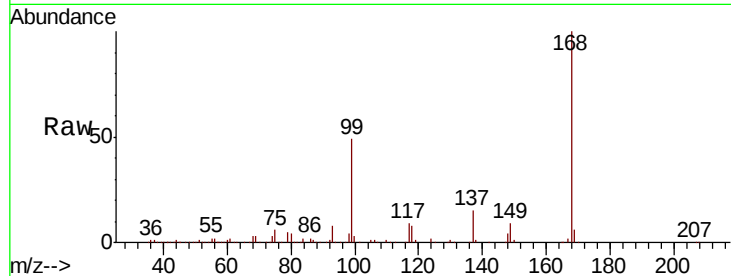




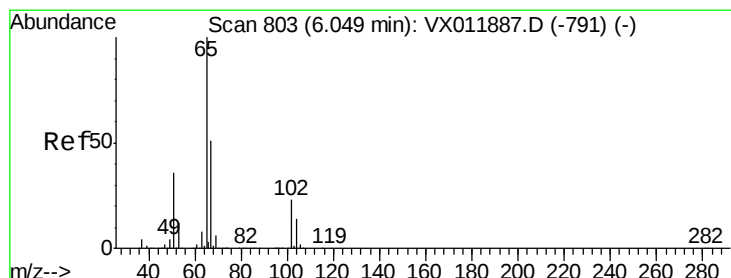
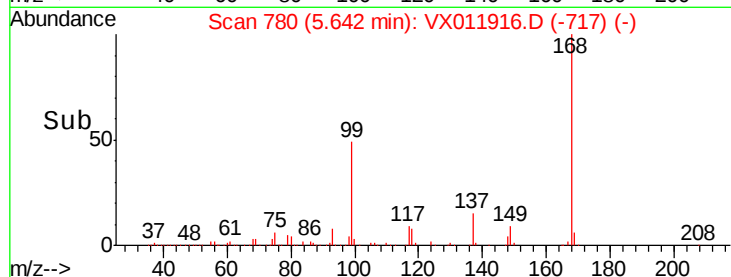
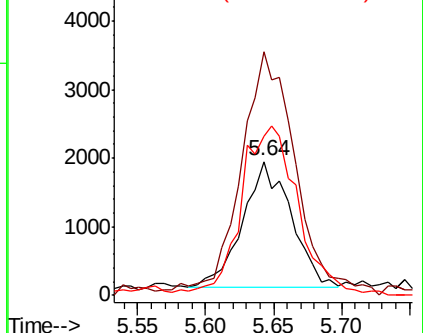
#31
Cyclohexane
Concen: 1.249 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.08 min
Lab File: VX011916.D
Acq: 30 Aug 2019 19:14

Instrument :
MSVOA_X
ClientSampled :
T2-S4-(2.5)

Tgt Ion: 56 Resp: 4553
Ion Ratio Lower Upper
56 100
69 186.2 23.1 34.7#
84 122.8 69.6 104.4#

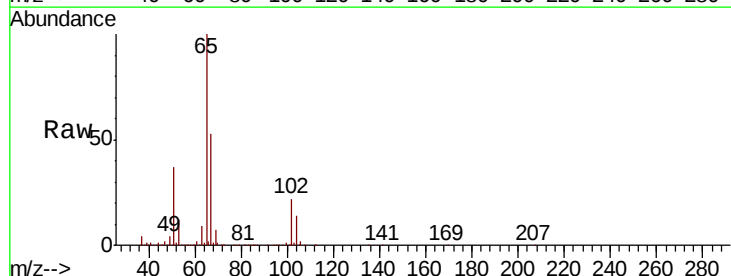


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

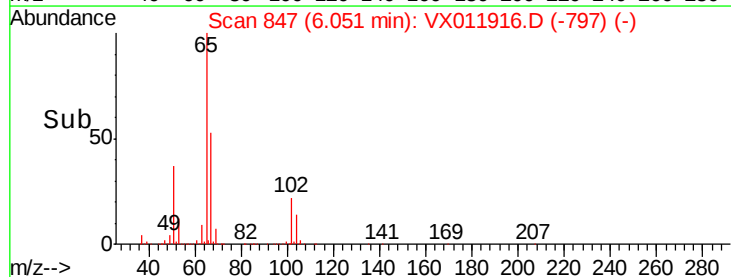
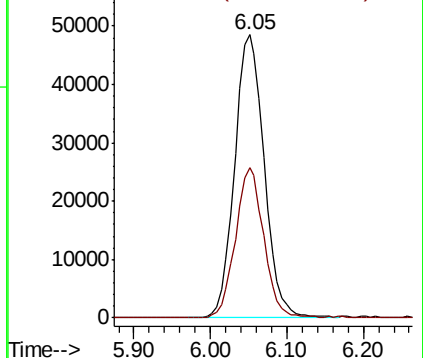


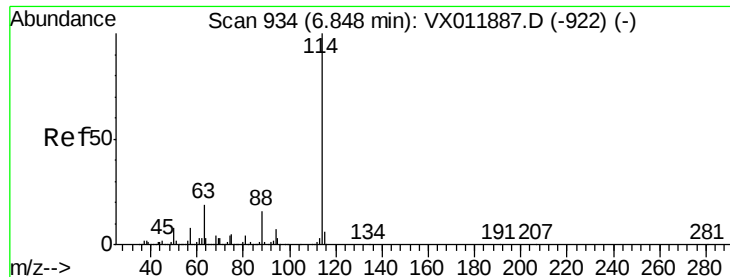
#33
1,2-Dichloroethane-d4
Concen: 44.488 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX011916.D
Acq: 30 Aug 2019 19:14

Tgt Ion: 65 Resp: 129896
Ion Ratio Lower Upper
65 100
67 50.0 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: VX011916.D

Acq: 30 Aug 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

T2-S4-(2.5)

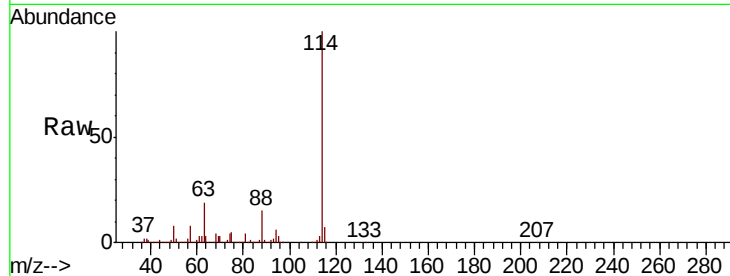
Tgt Ion:114 Resp: 398804

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.8

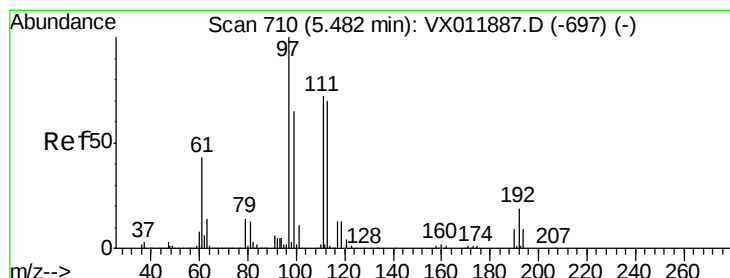
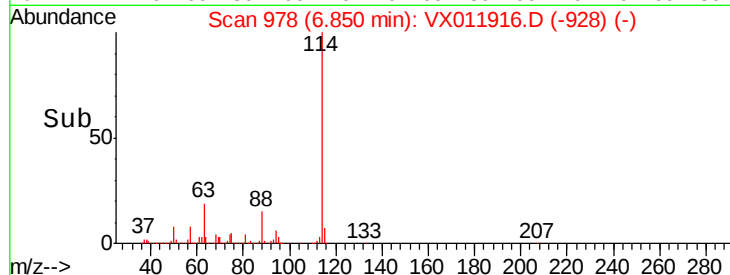
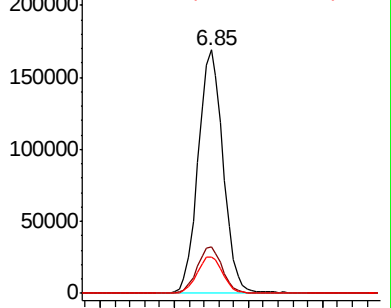
88 14.9 0.0 31.2



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: 47.107 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011916.D

Acq: 30 Aug 2019 19:14

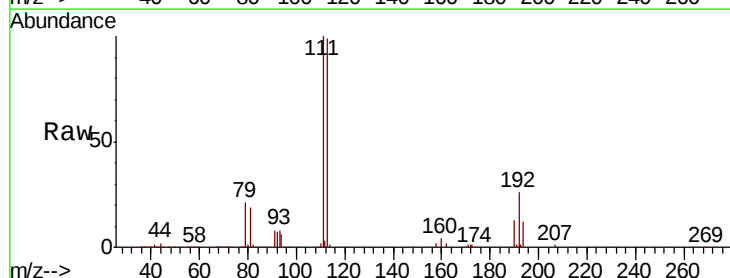
Tgt Ion:113 Resp: 120467

Ion Ratio Lower Upper

113 100

111 100.6 82.1 123.1

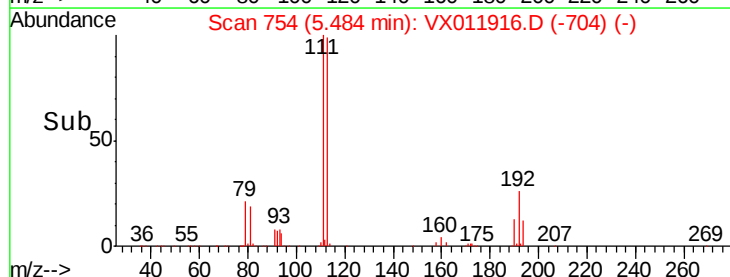
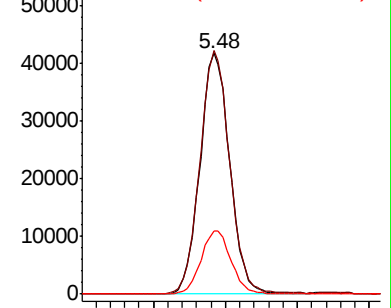
192 26.5 21.5 32.3

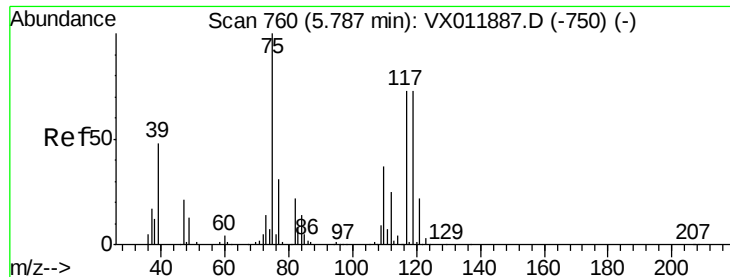


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

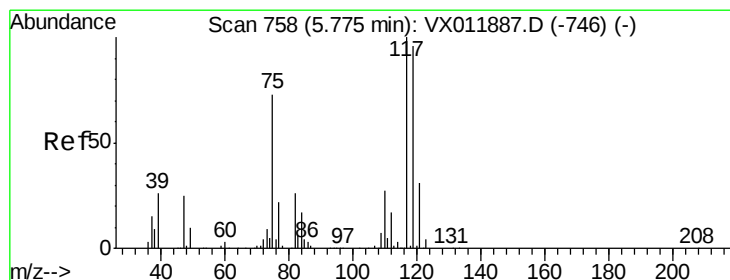
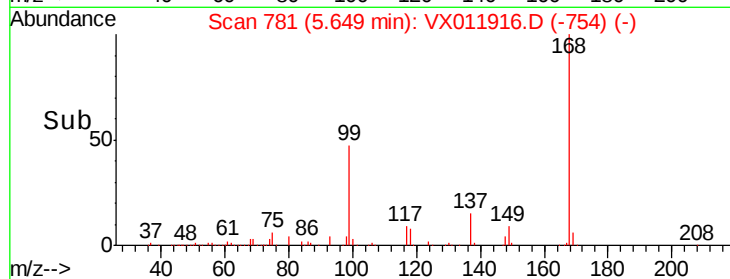
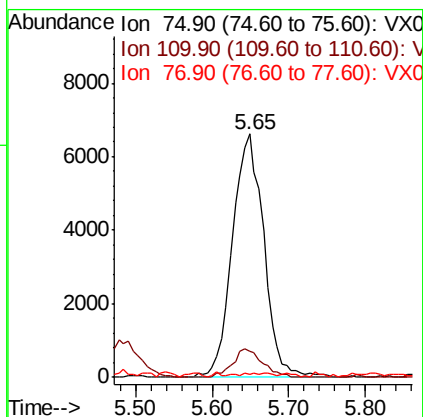
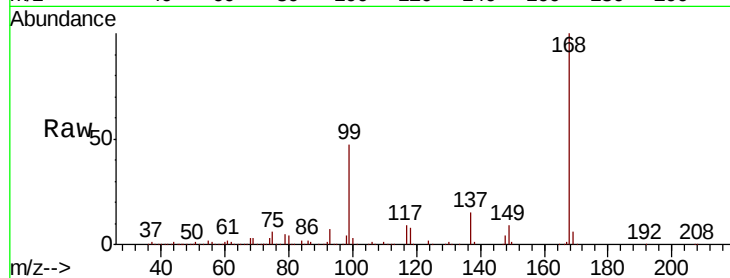




#36
 1,1-Dichloropropene
 Concen: 5.958 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX011916.D
 Acq: 30 Aug 2019 19:14

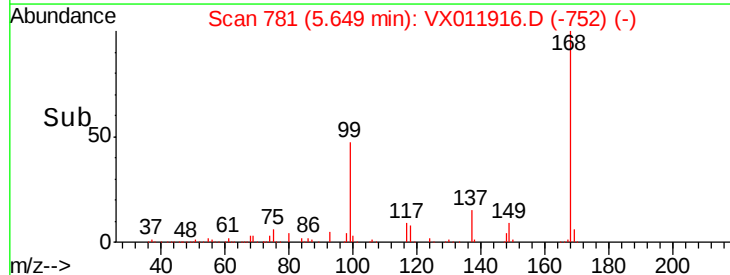
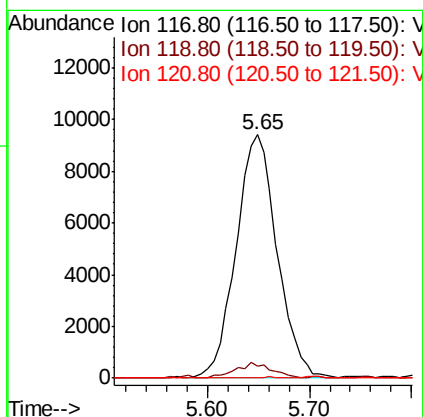
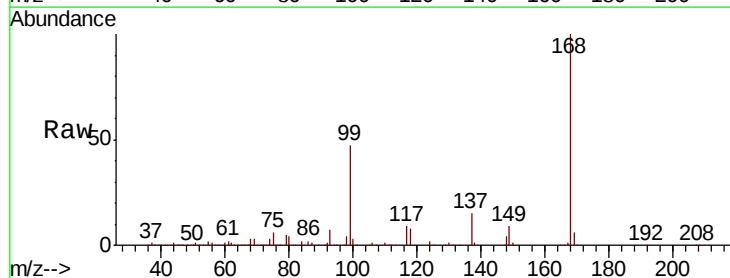
Instrument :
 MSVOA_X
 ClientSampled :
 T2-S4-(2.5)

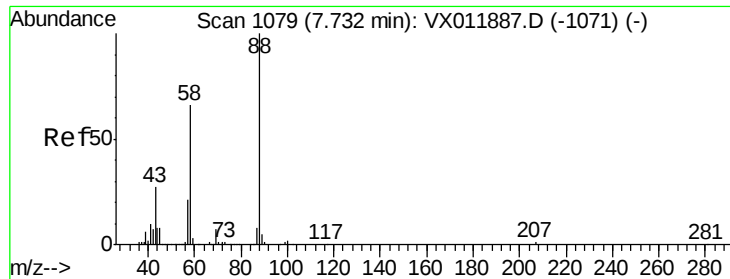
Tgt Ion: 75 Resp: 18824
 Ion Ratio Lower Upper
 75 100
 110 11.1 19.1 57.3#
 77 0.5 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 7.162 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX011916.D
 Acq: 30 Aug 2019 19:14

Tgt Ion: 117 Resp: 26243
 Ion Ratio Lower Upper
 117 100
 119 4.9 76.6 114.8#
 121 0.0 24.7 37.1#

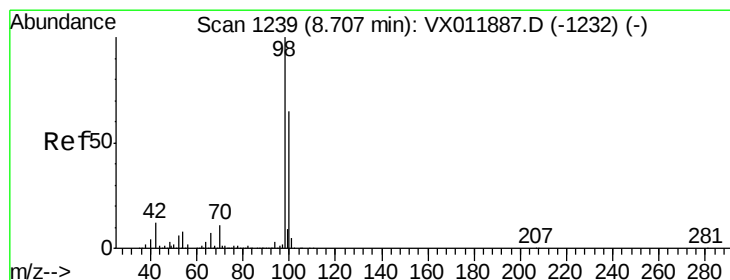
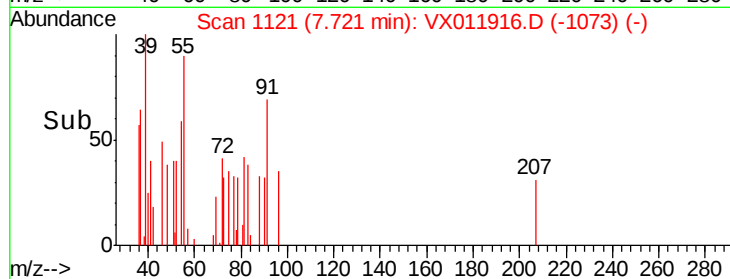
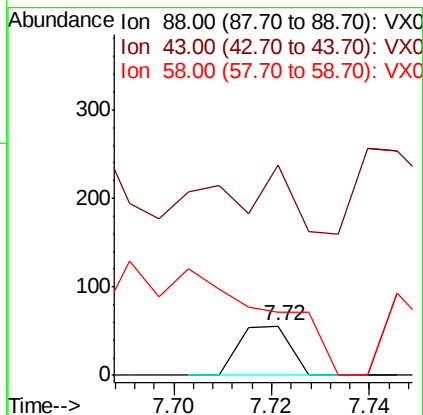
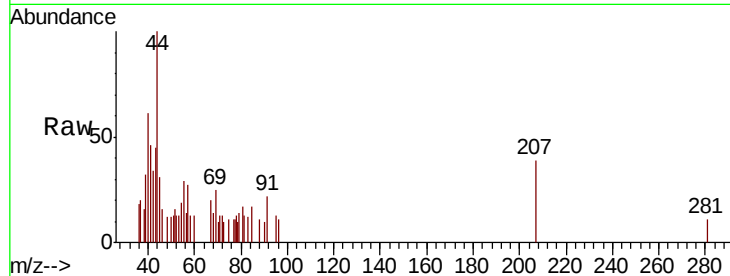




#49
1,4-Dioxane
Concen: 1.577 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX011916.D
Acq: 30 Aug 2019 19:14

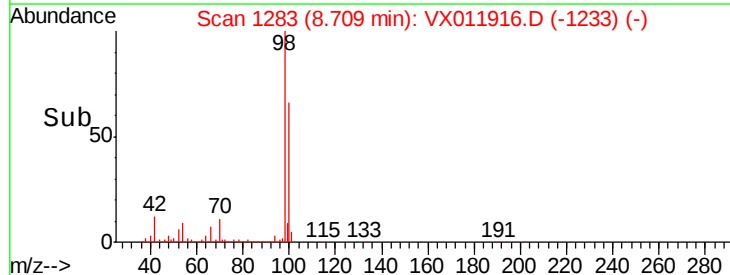
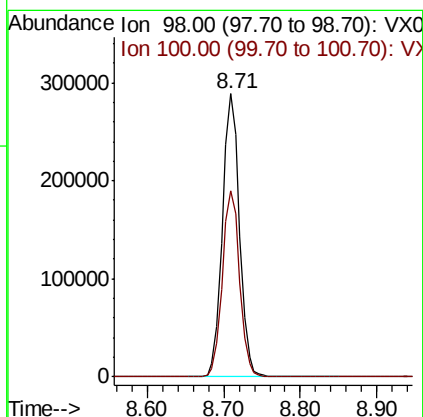
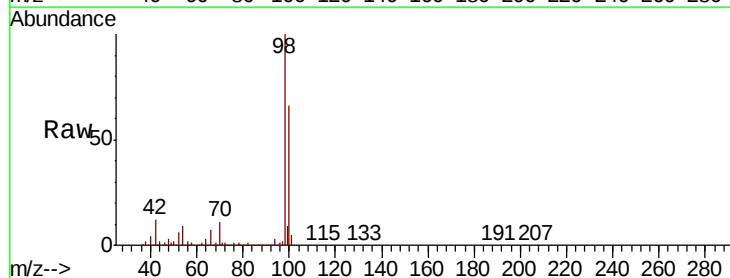
Instrument :
MSVOA_X
ClientSampled :
T2-S4-(2.5)

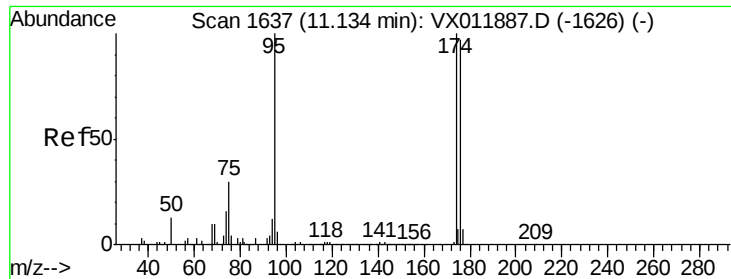
Tgt Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 192.5 27.3 40.9#
58 0.0 53.9 80.9#



#50
Toluene-d8
Concen: 48.730 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011916.D
Acq: 30 Aug 2019 19:14

Tgt Ion: 98 Resp: 445469
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.6

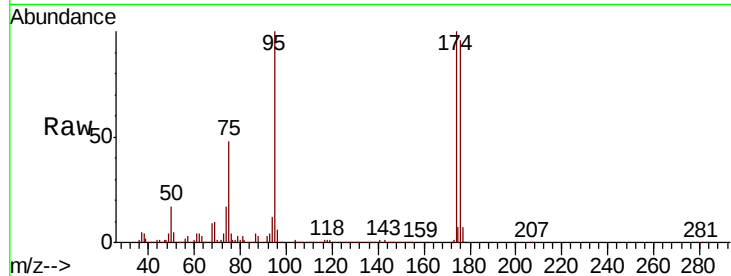




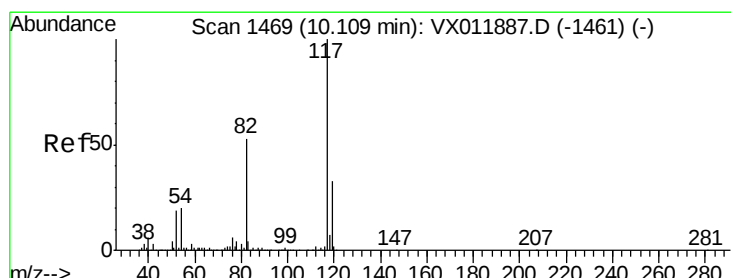
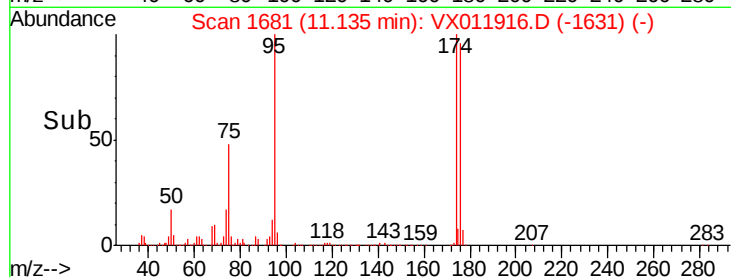
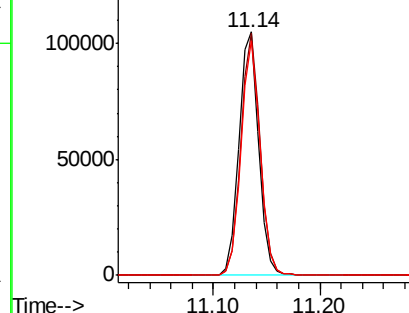
#62
4-Bromofluorobenzene
Concen: 33.986 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX011916.D
Acq: 30 Aug 2019 19:14

Instrument :
MSVOA_X
ClientSampled :
T2-S4-(2.5)

Tgt Ion: 95 Resp: 136286
Ion Ratio Lower Upper
95 100
174 97.5 0.0 196.0
176 93.7 0.0 191.4

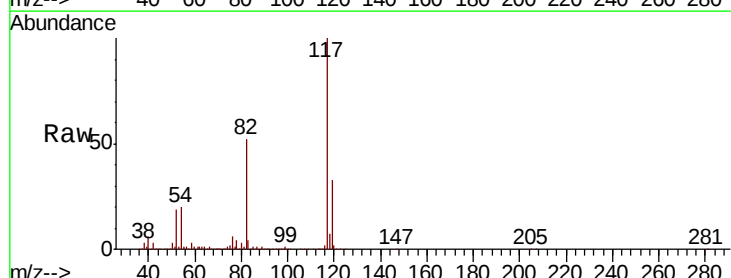


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

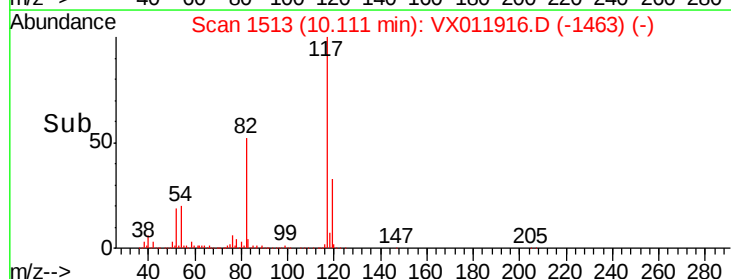
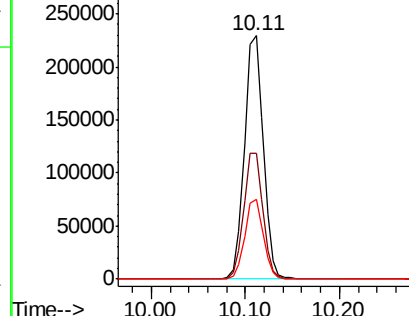


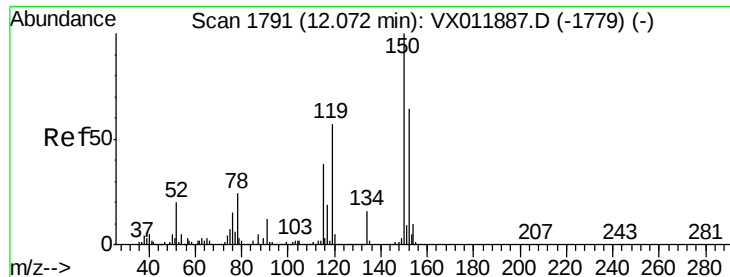
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011916.D
Acq: 30 Aug 2019 19:14

Tgt Ion: 117 Resp: 320964
Ion Ratio Lower Upper
117 100
82 51.6 42.0 63.0
119 32.6 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



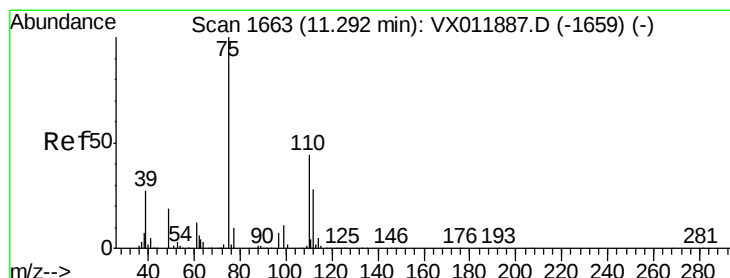
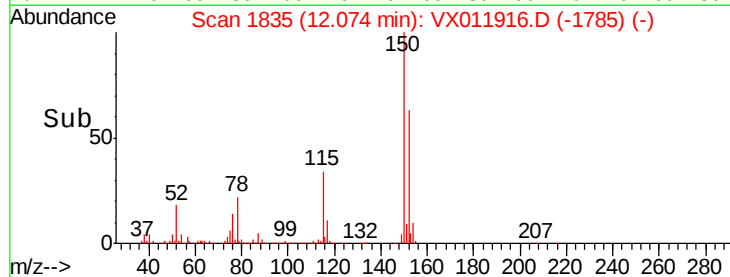
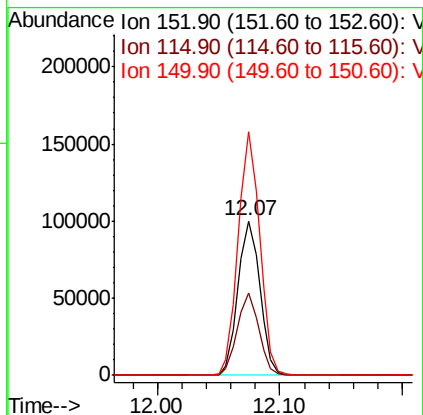
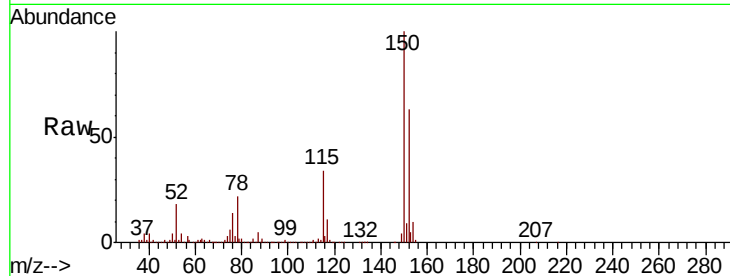


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011916.D
Acq: 30 Aug 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
T2-S4-(2.5)

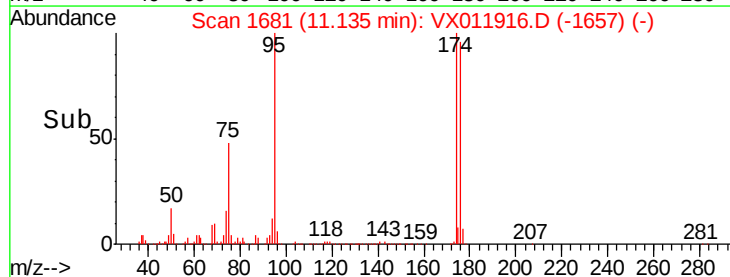
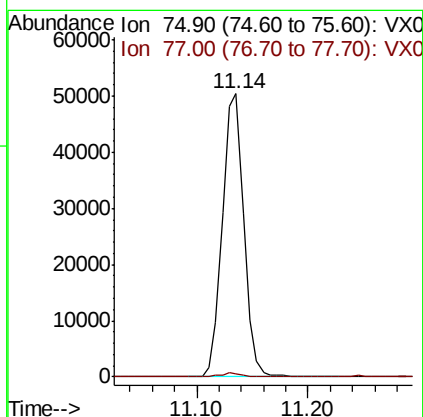
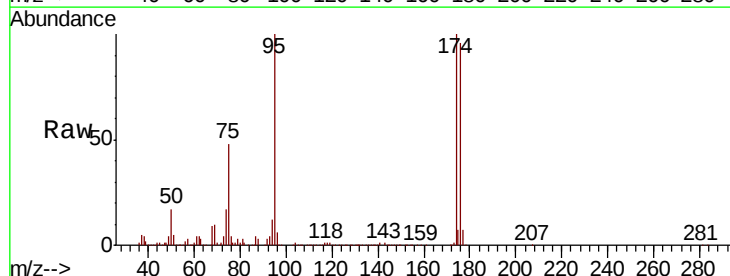
Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.4	37.1	111.3
150	155.1	0.0	339.6

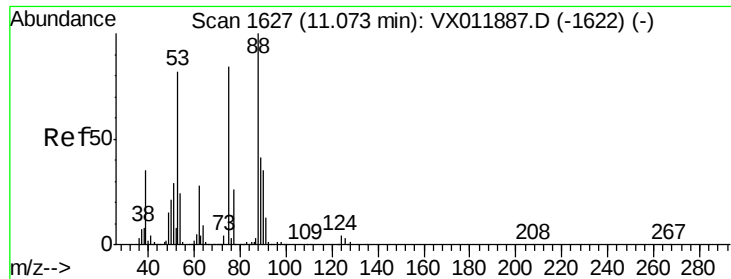


#76

1,2,3-Trichloropropane
Concen: 55.081 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.16 min
Lab File: VX011916.D
Acq: 30 Aug 2019 19:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	20.9	62.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 138.374 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.06 min

Lab File: VX011916.D

Acq: 30 Aug 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

T2-S4-(2.5)

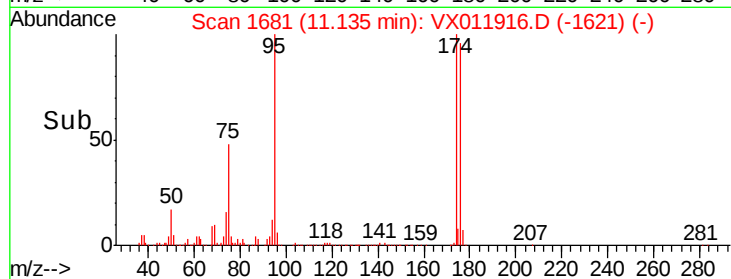
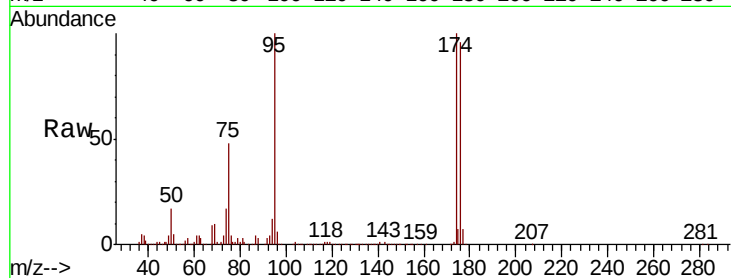
Tgt Ion: 75 Resp: 67311

Ion Ratio Lower Upper

75 100

53 0.3 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

