

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
 Data File : VX011915.D
 Acq On : 30 Aug 2019 18:46
 Operator : SY/SP
 Sample : K4472-13
 Misc : 5.57g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-S4-(0)

Quant Time: Aug 31 02:04:22 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	426850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	565940	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	440262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	154334	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	184424	45.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.20%	
35) Dibromofluoromethane	5.48	113	170195	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	
50) Toluene-d8	8.71	98	620244	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
62) 4-Bromofluorobenzene	11.13	95	178942	31.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.88%	

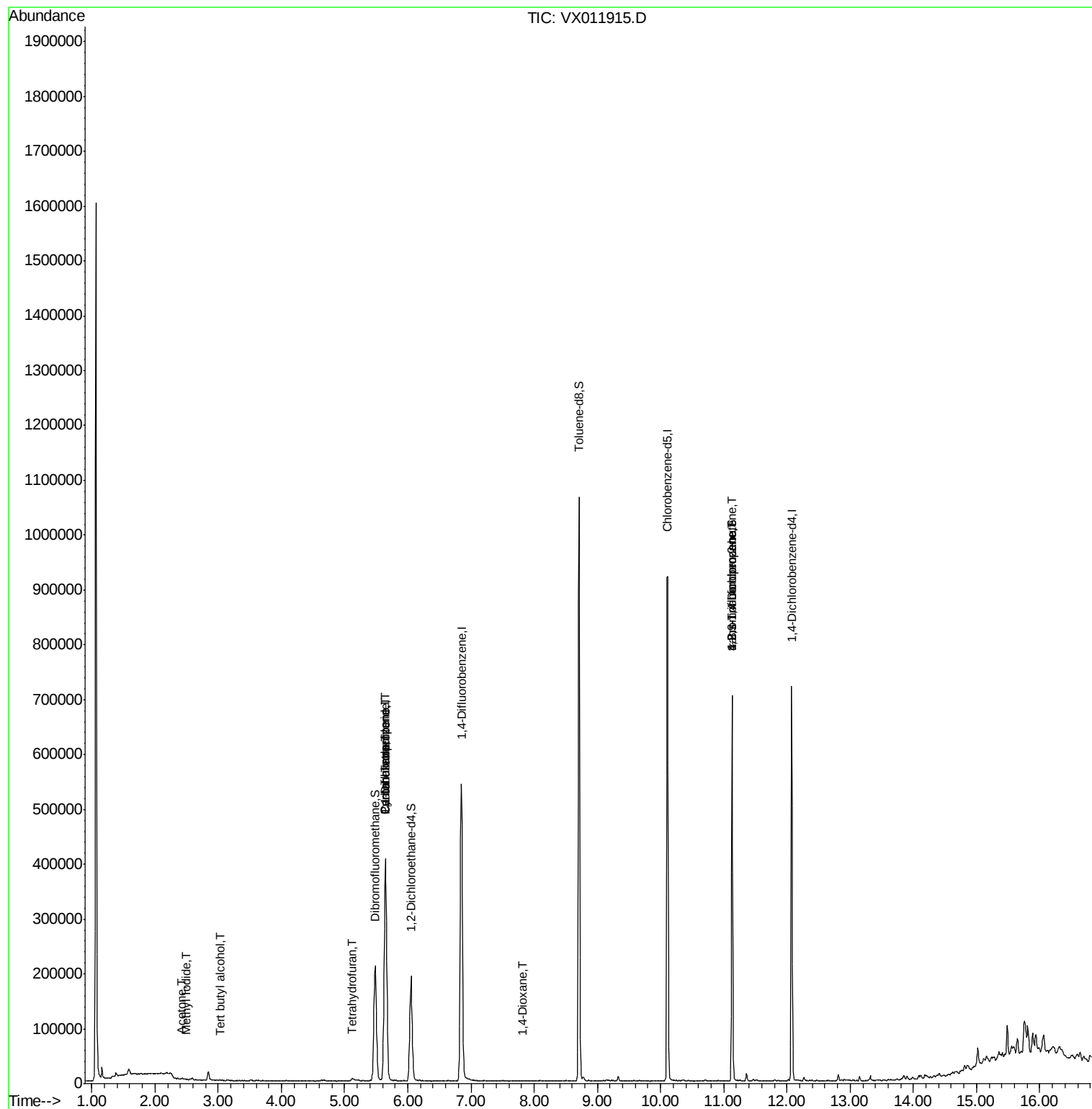
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	269	3.747	ug/l	96
11) Tert butyl alcohol	3.02	59	1131	2.875	ug/l #	94
16) Acetone	2.43	43	2955	3.358	ug/l	93
20) Methylene Chloride	2.84	84	7980	Below Cal		97
29) Tetrahydrofuran	5.12	42	4645	5.807	ug/l #	87
31) Cyclohexane	5.65	56	6876	1.347	ug/l #	6
36) 1,1-Dichloropropene	5.64	75	26397	5.887	ug/l #	50
38) Carbon Tetrachloride	5.65	117	36248	6.971	ug/l #	16
49) 1,4-Dioxane	7.82	88	49	1.361	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	89463	58.927	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	89463	148.036	ug/l #	11

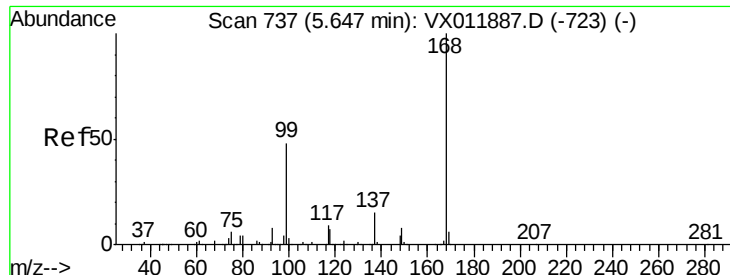
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
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Quant Time: Aug 31 02:04:22 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: VX011915.D

Acq: 30 Aug 2019 18:46

Instrument :

MSVOA_X

ClientSampleId :

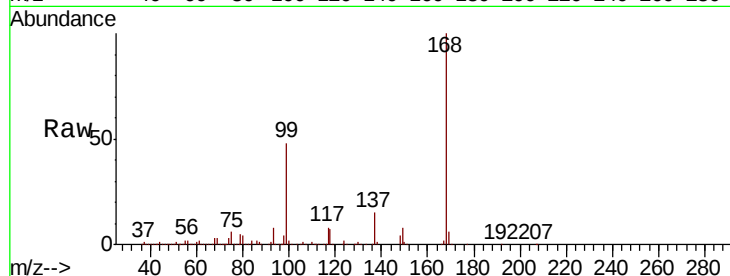
T2-S4-(0)

Tgt Ion:168 Resp: 426850

Ion Ratio Lower Upper

168 100

99 48.3 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

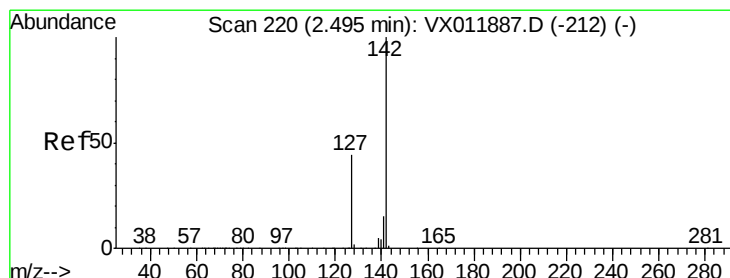
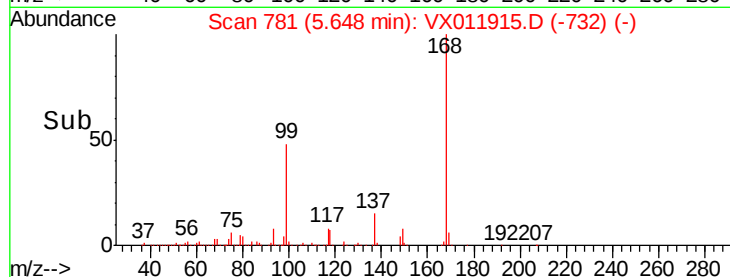
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#10

Methyl Iodide

Concen: 3.747 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011915.D

Acq: 30 Aug 2019 18:46

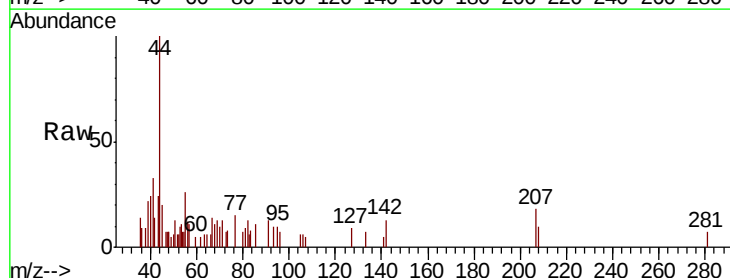
Tgt Ion:142 Resp: 269

Ion Ratio Lower Upper

142 100

127 48.3 35.7 53.5

141 14.5 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

150

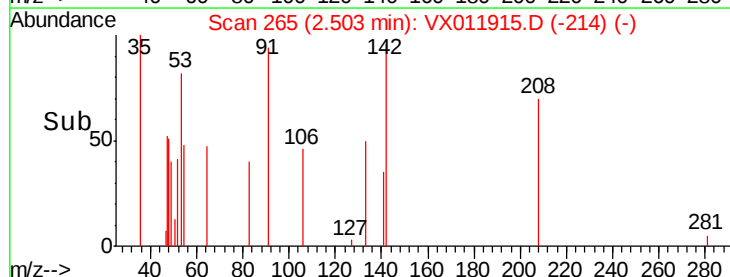
100

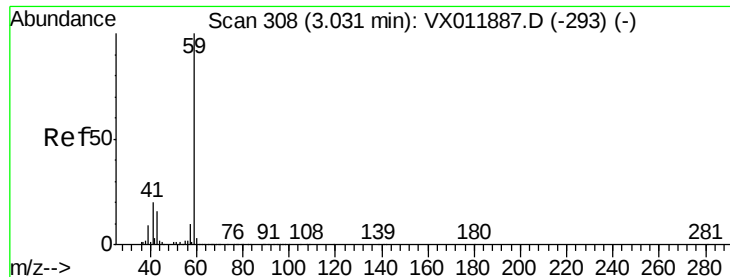
50

0

2.45 2.50 2.55

Time-->



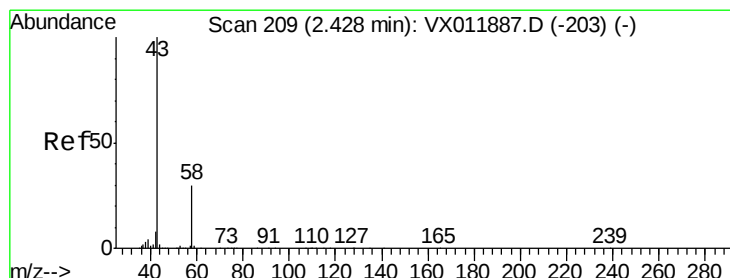
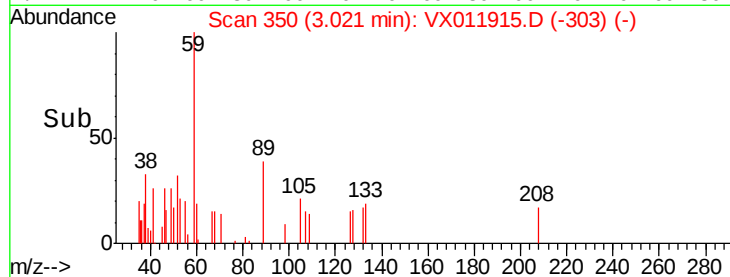
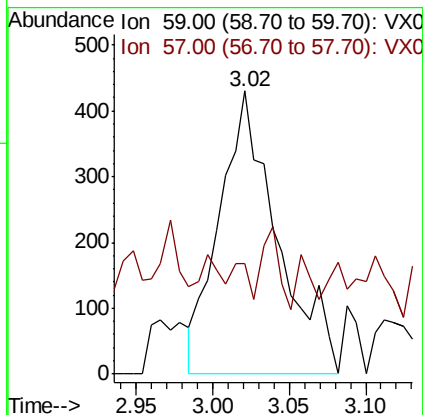
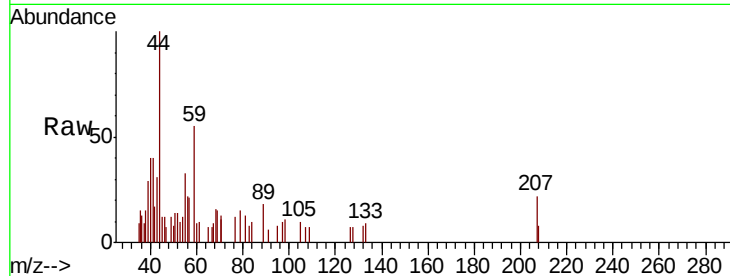


#11

Tert butyl alcohol
 Concen: 2.875 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VX011915.D
 Acq: 30 Aug 2019 18:46

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-S4-(0)

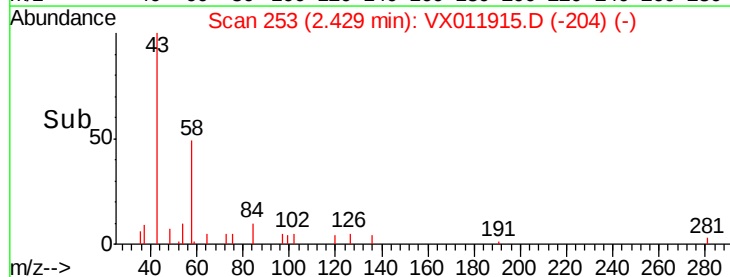
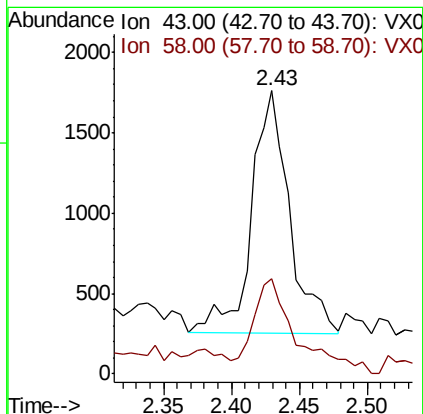
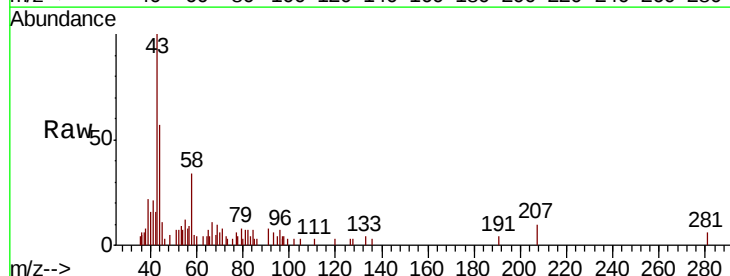
Tgt Ion: 59 Resp: 1131
 Ion Ratio Lower Upper
 59 100
 57 8.5 8.6 12.8#

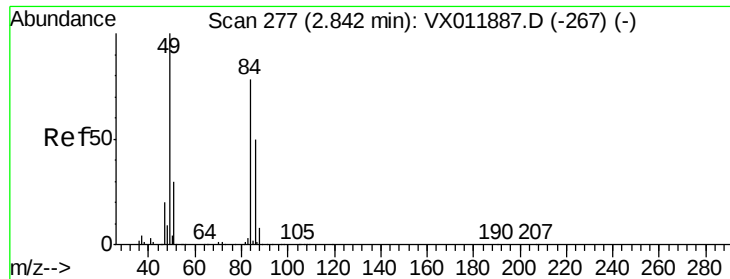


#16

Acetone
 Concen: 3.358 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VX011915.D
 Acq: 30 Aug 2019 18:46

Tgt Ion: 43 Resp: 2955
 Ion Ratio Lower Upper
 43 100
 58 33.8 23.8 35.8

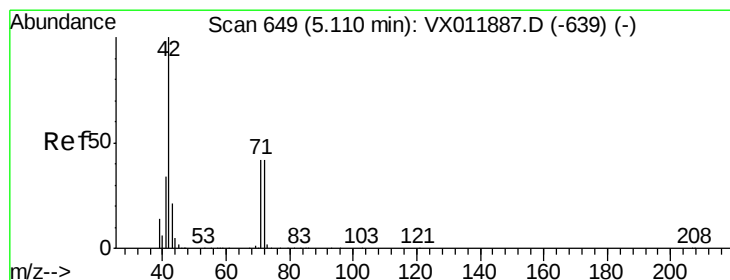
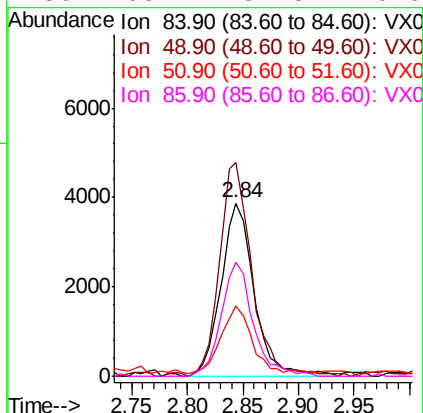
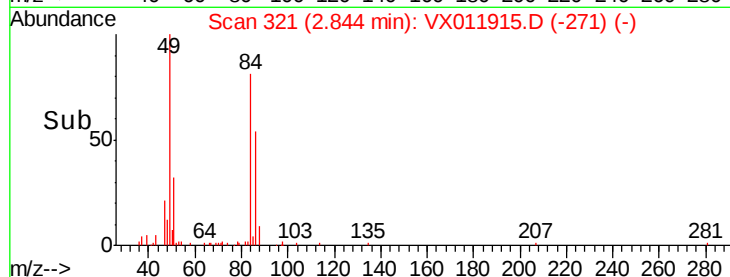
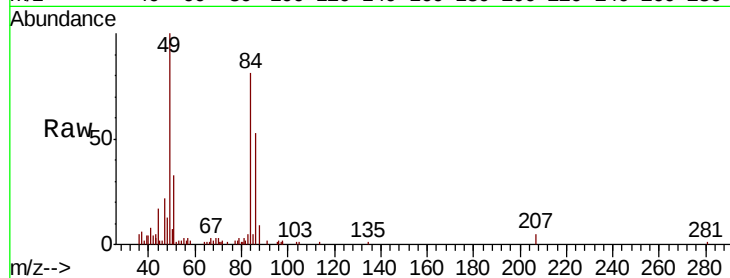




#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX011915.D
Acq: 30 Aug 2019 18:46

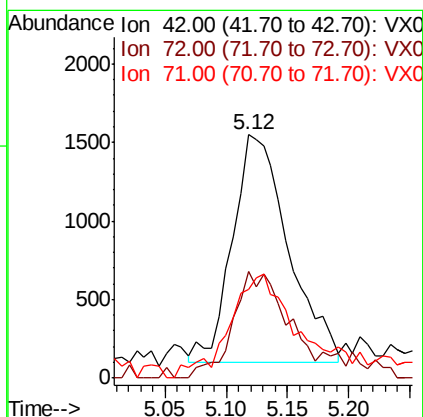
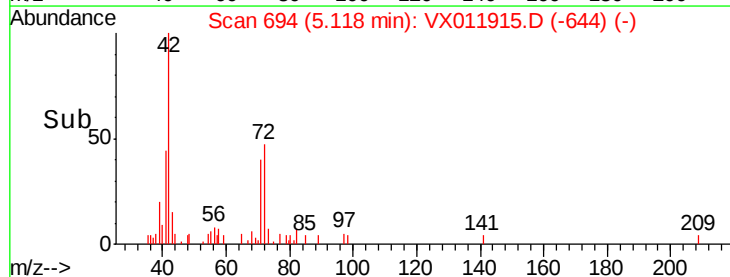
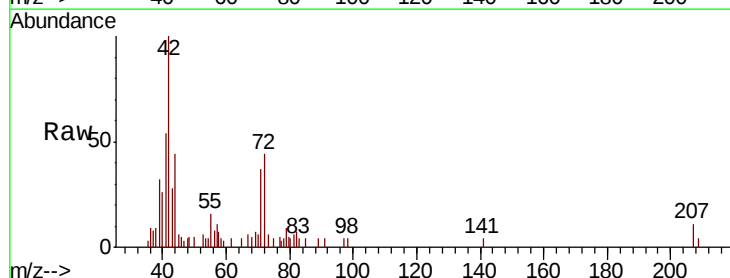
Instrument :
MSVOA_X
ClientSampleId :
T2-S4-(0)

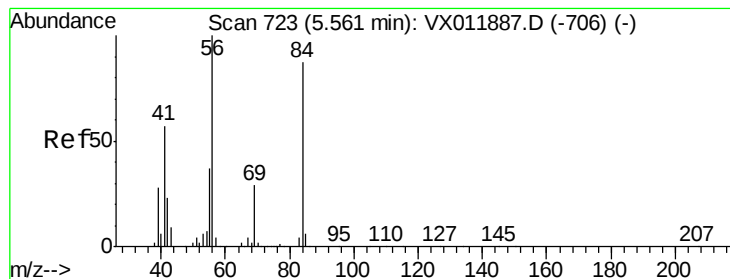
Tgt Ion:	84	Resp:	7980
Ion	Ratio	Lower	Upper
84	100		
49	123.3	103.0	154.4
51	38.5	30.8	46.2
86	65.7	51.3	76.9



#29
Tetrahydrofuran
Concen: 5.807 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX011915.D
Acq: 30 Aug 2019 18:46

Tgt Ion:	42	Resp:	4645
Ion	Ratio	Lower	Upper
42	100		
72	44.7	36.2	54.4
71	57.4	33.1	49.7#





#31

Cyclohexane

Concen: 1.347 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.09 min

Lab File: VX011915.D

Acq: 30 Aug 2019 18:46

Instrument :

MSVOA_X

ClientSampleId :

T2-S4-(0)

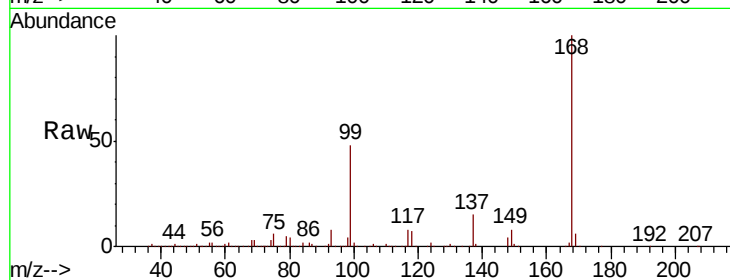
Tgt Ion: 56 Resp: 6876

Ion Ratio Lower Upper

56 100

69 183.5 23.1 34.7#

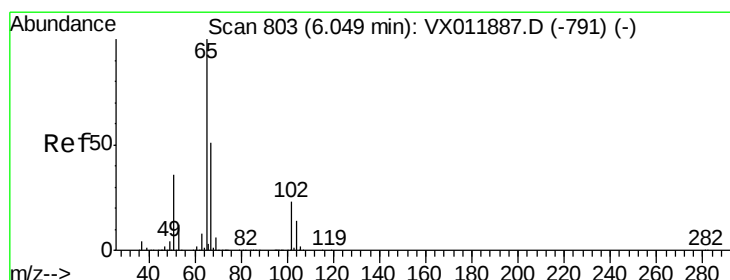
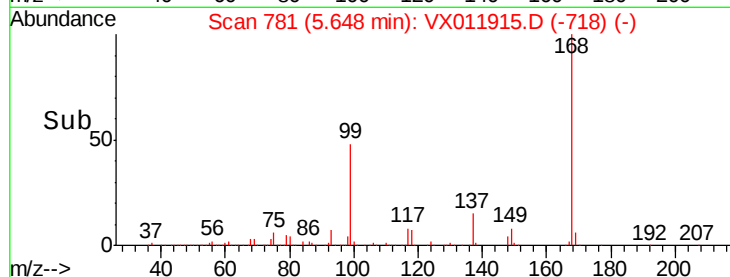
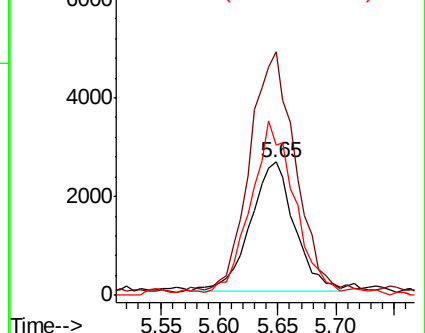
84 113.2 69.6 104.4#



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: 45.095 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011915.D

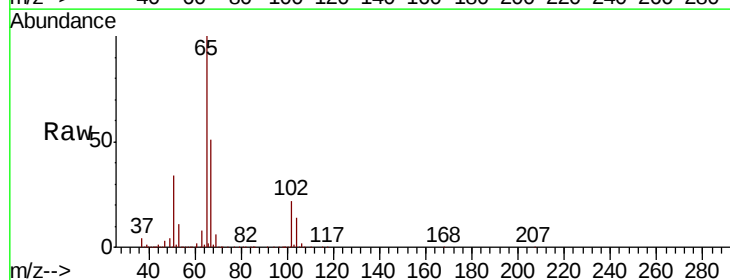
Acq: 30 Aug 2019 18:46

Tgt Ion: 65 Resp: 184424

Ion Ratio Lower Upper

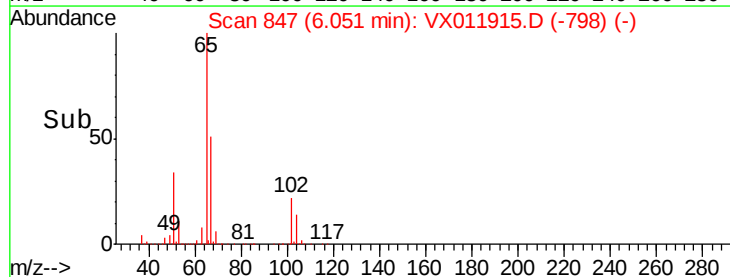
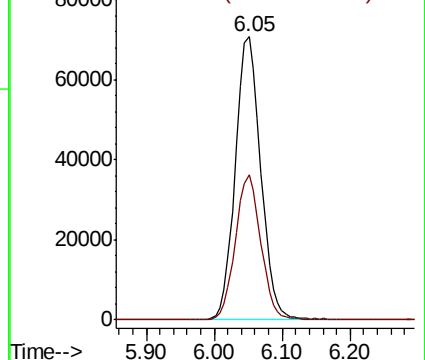
65 100

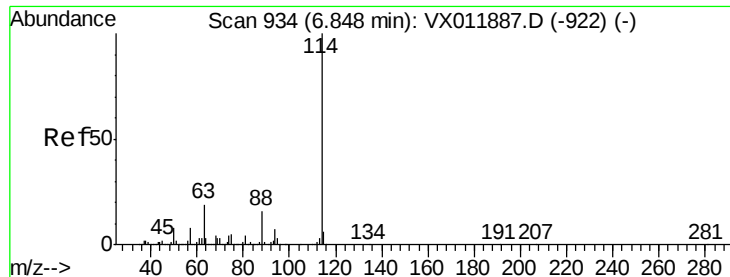
67 50.6 0.0 102.2



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: VX011915.D

Acq: 30 Aug 2019 18:46

Instrument :

MSVOA_X

ClientSampleId :

T2-S4-(0)

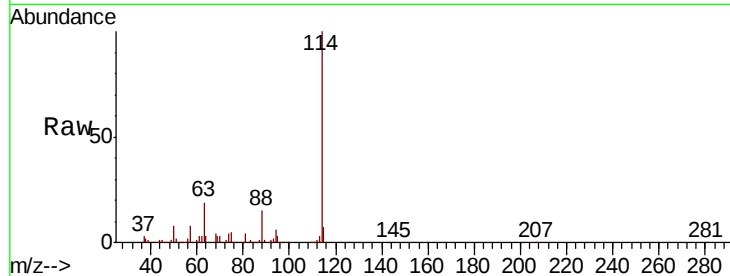
Tgt Ion:114 Resp: 565940

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.8

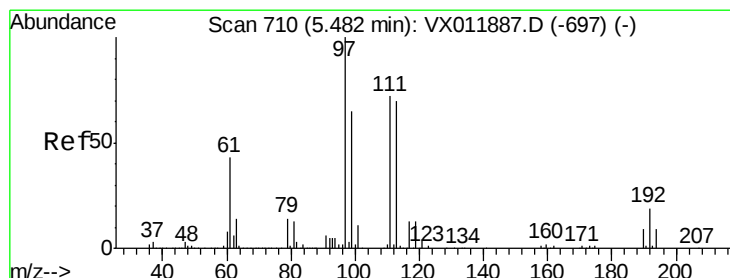
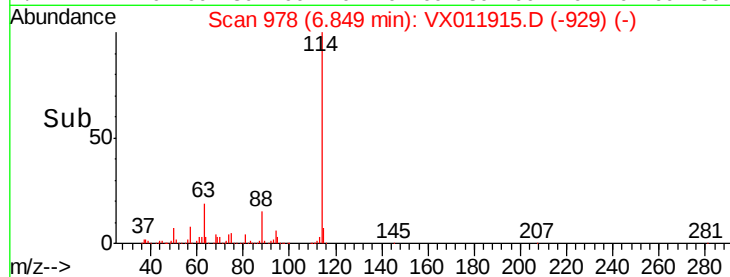
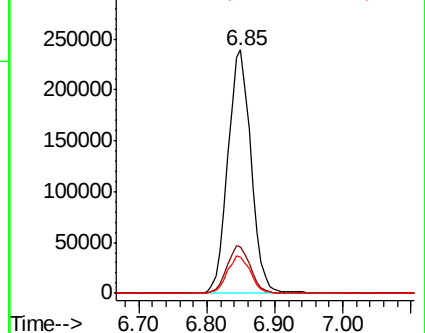
88 15.1 0.0 31.2



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: 46.898 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011915.D

Acq: 30 Aug 2019 18:46

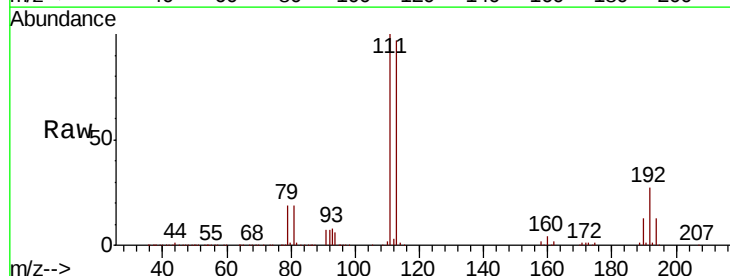
Tgt Ion:113 Resp: 170195

Ion Ratio Lower Upper

113 100

111 102.6 82.1 123.1

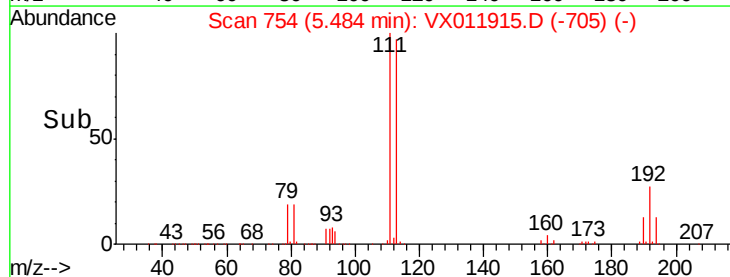
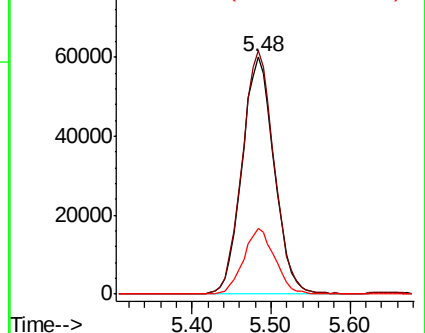
192 26.9 21.5 32.3

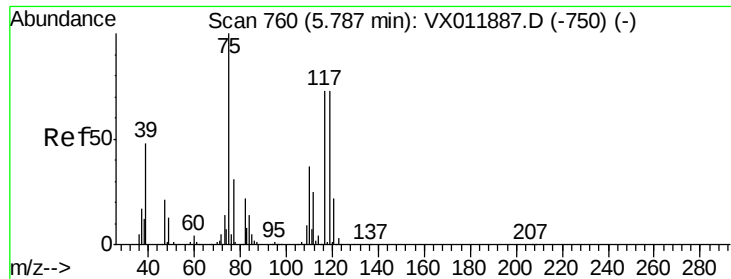


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

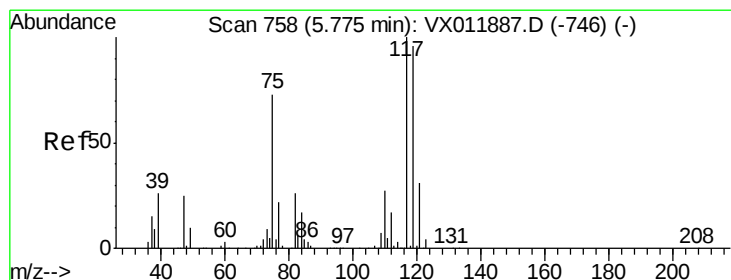
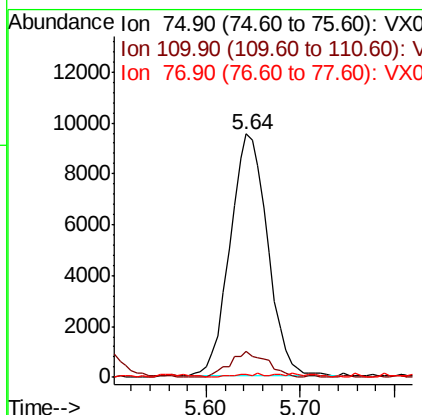
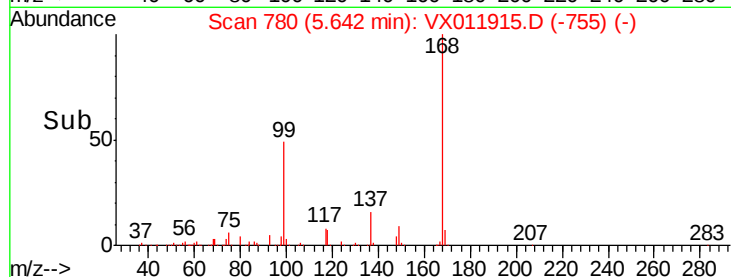
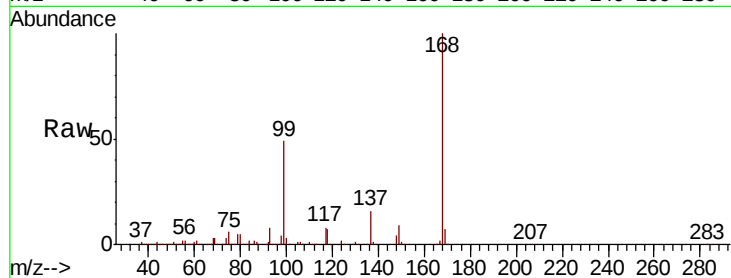




#36
 1,1-Dichloropropene
 Concen: 5.887 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.14 min
 Lab File: VX011915.D
 Acq: 30 Aug 2019 18:46

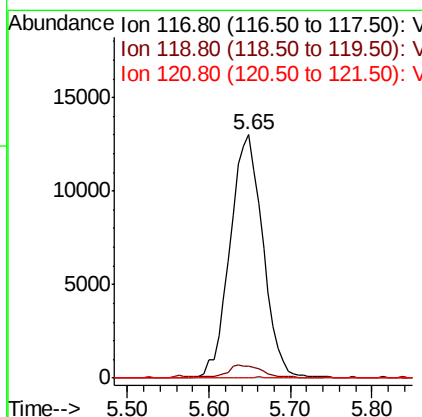
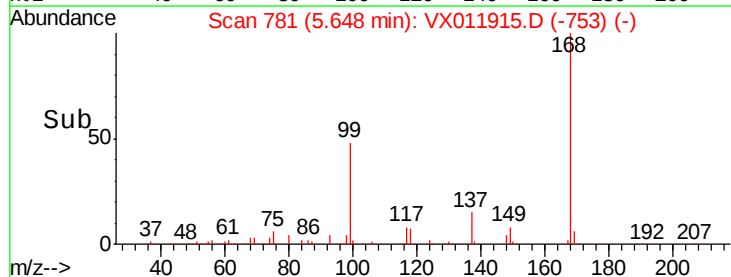
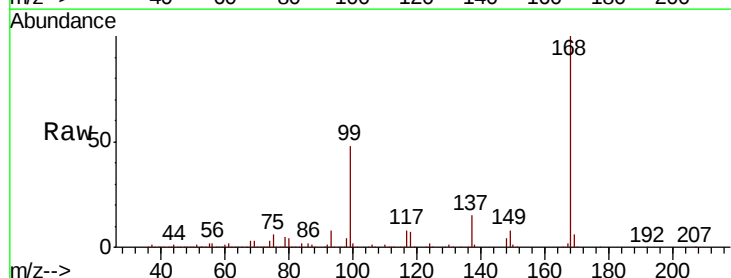
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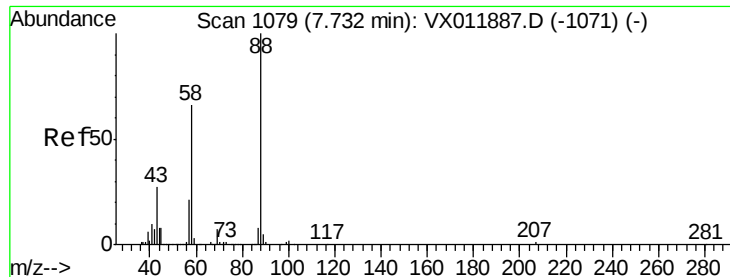
Tgt Ion: 75 Resp: 26397
 Ion Ratio Lower Upper
 75 100
 110 10.6 19.1 57.3#
 77 0.7 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.971 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX011915.D
 Acq: 30 Aug 2019 18:46

Tgt Ion: 117 Resp: 36248
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.6 114.8#
 121 0.0 24.7 37.1#

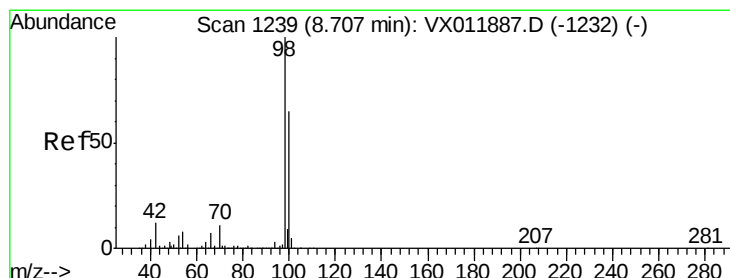
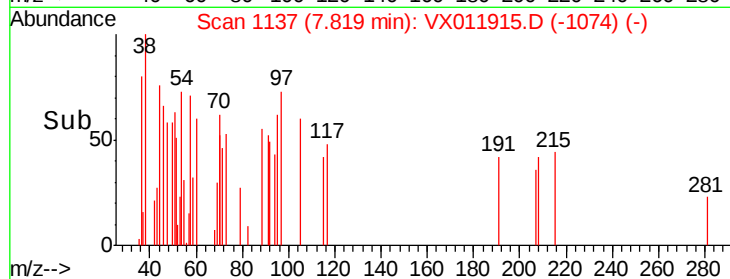
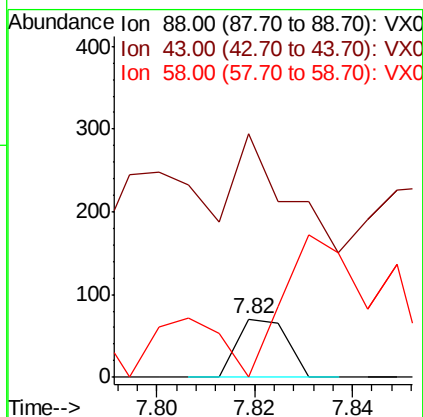
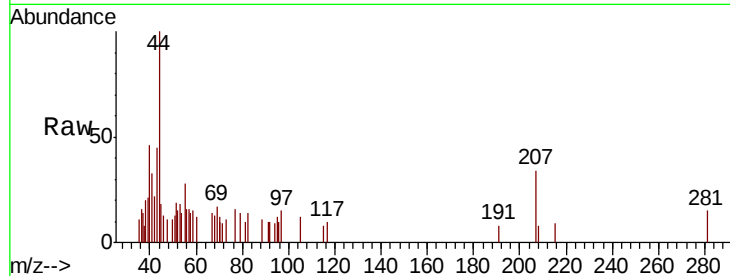




#49
1,4-Dioxane
Concen: 1.361 ug/l
RT: 7.82 min Scan# 1137
Delta R.T. 0.09 min
Lab File: VX011915.D
Acq: 30 Aug 2019 18:46

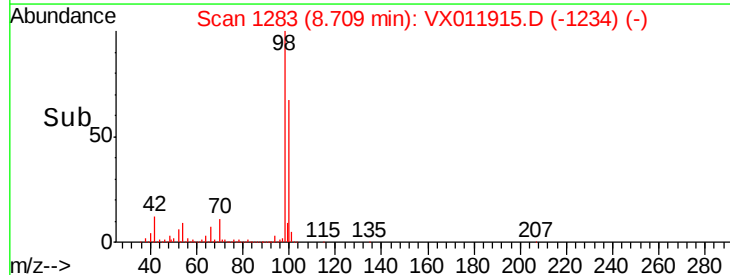
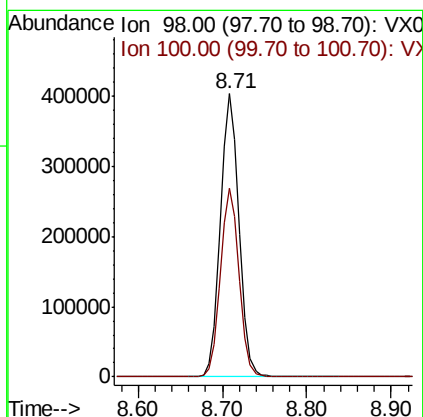
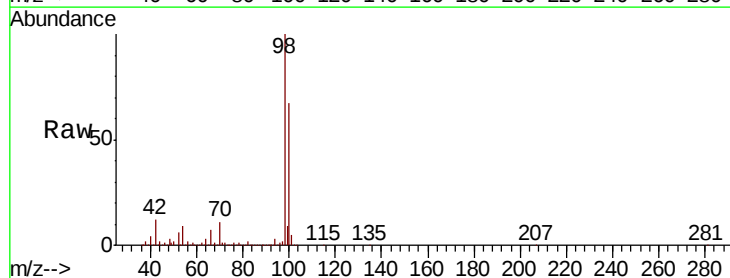
Instrument :
MSVOA_X
ClientSampleId :
T2-S4-(0)

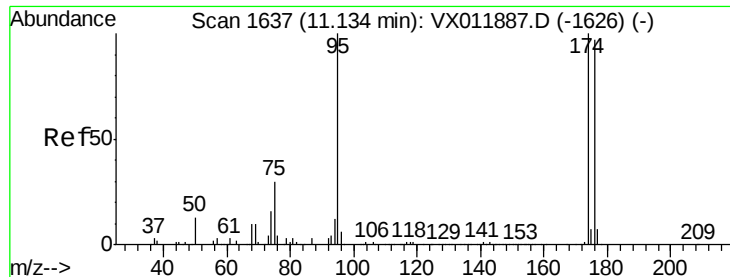
Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 198.0 27.3 40.9#
58 467.3 53.9 80.9#



#50
Toluene-d8
Concen: 47.812 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011915.D
Acq: 30 Aug 2019 18:46

Tgt Ion: 98 Resp: 620244
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.6





#62

4-Bromofluorobenzene

Concen: 31.445 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX011915.D

Acq: 30 Aug 2019 18:46

Instrument :

MSVOA_X

ClientSampleId :

T2-S4-(0)

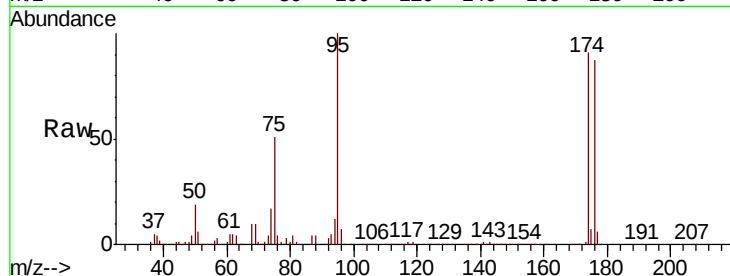
Tgt Ion: 95 Resp: 178942

Ion Ratio Lower Upper

95 100

174 98.3 0.0 196.0

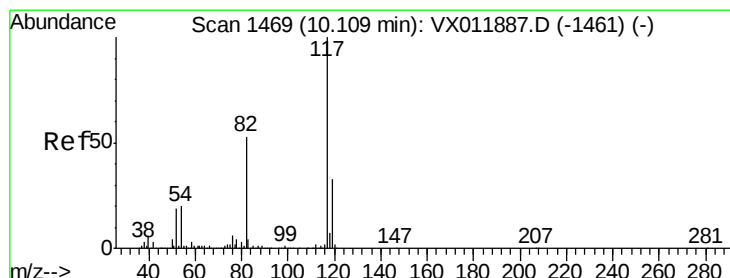
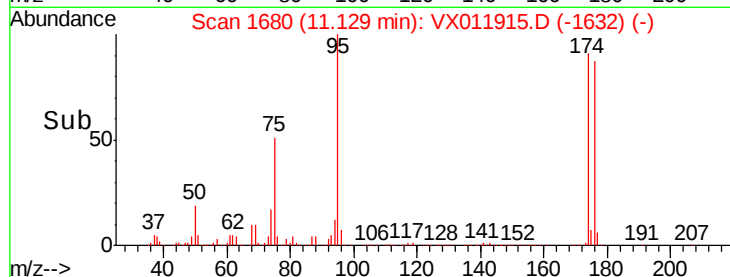
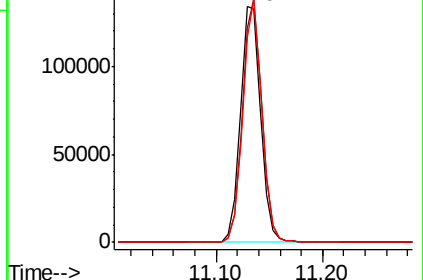
176 96.6 0.0 191.4



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX011915.D

Acq: 30 Aug 2019 18:46

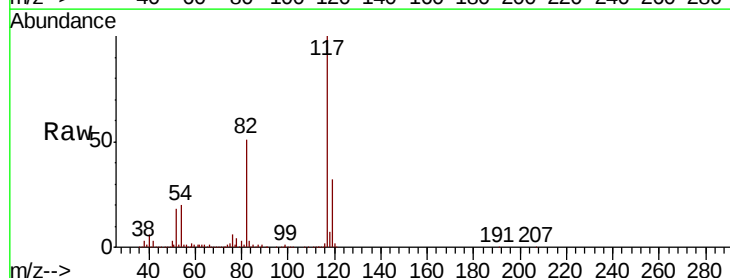
Tgt Ion: 117 Resp: 440262

Ion Ratio Lower Upper

117 100

82 51.4 42.0 63.0

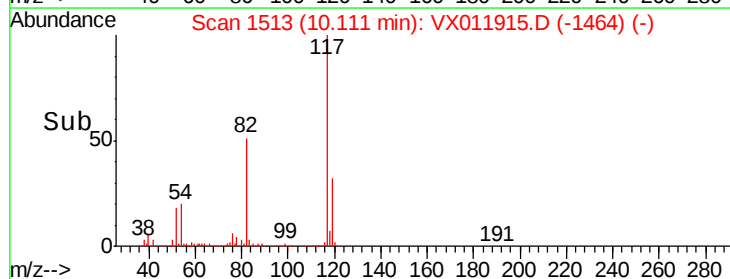
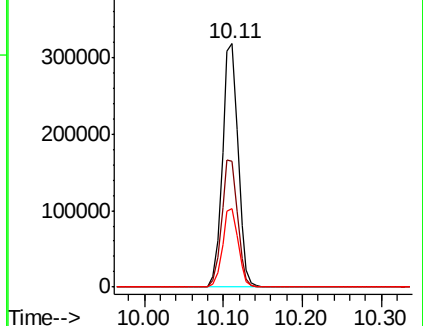
119 32.4 26.2 39.4

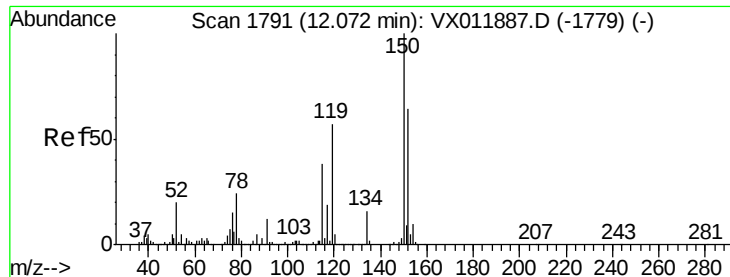


Abundance Ion 116.90 (116.60 to 117.60): VX011887.D (-1461) (-)

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

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



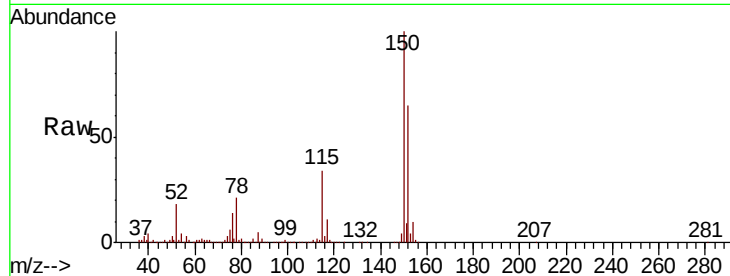


#72

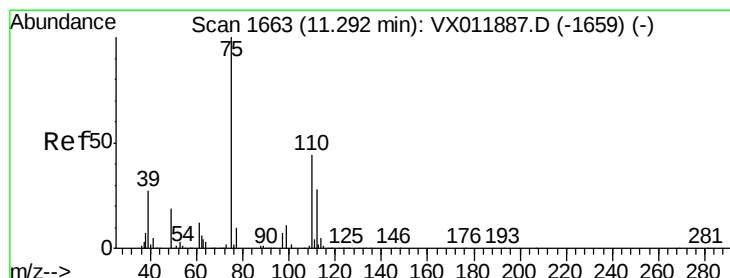
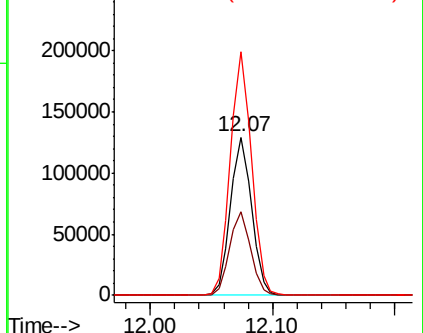
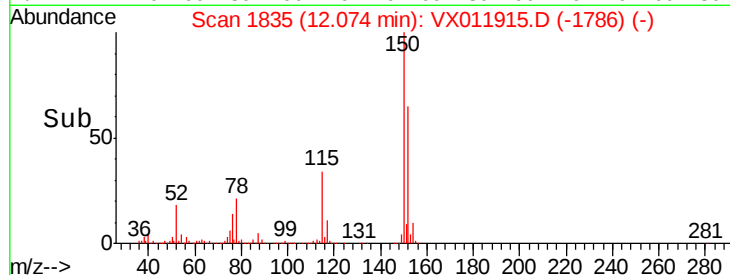
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011915.D
Acq: 30 Aug 2019 18:46

Instrument :
MSVOA_X
ClientSampled :
T2-S4-(0)

Tgt Ion: 152 Resp: 154334
Ion Ratio Lower Upper
152 100
115 53.0 37.1 111.3
150 154.1 0.0 339.6



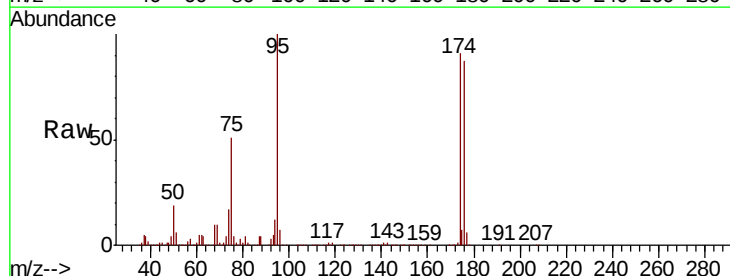
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



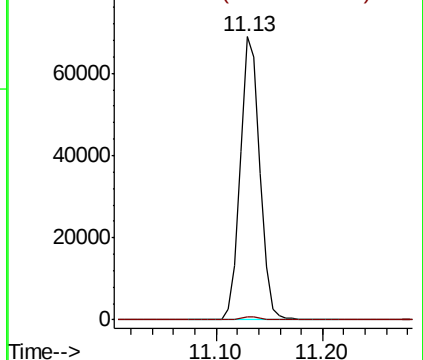
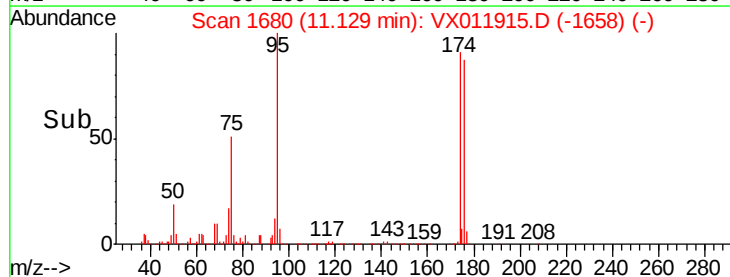
#76

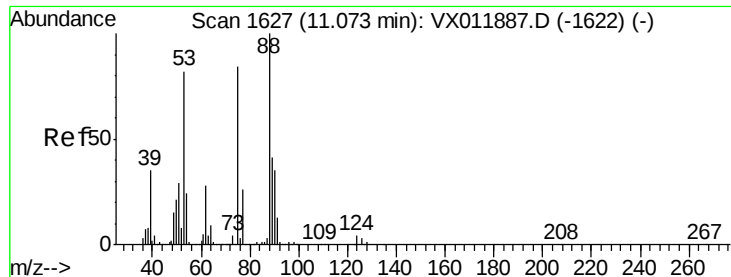
1,2,3-Trichloropropane
Concen: 58.927 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX011915.D
Acq: 30 Aug 2019 18:46

Tgt Ion: 75 Resp: 89463
Ion Ratio Lower Upper
75 100
77 1.4 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: 148.036 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX011915.D
 Acq: 30 Aug 2019 18:46

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-S4-(0)

Tgt Ion: 75 Resp: 89463
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.1 115.7#
 89 0.1 38.2 57.2#

