

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090419\
 Data File : VX012087.D
 Acq On : 05 Sep 2019 08:29
 Operator : SY/SP
 Sample : K4548-05
 Misc : 4.41g/5.0mL/MSVOA X/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 05 14:36:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	134290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	228650	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	196553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	86559	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	85817	46.31	ug/l	0.00
Spiked Amount						
			Recovery	=	92.62%	
35) Dibromofluoromethane	5.48	113	66484	47.28	ug/l	0.00
Spiked Amount						
			Recovery	=	94.56%	
50) Toluene-d8	8.71	98	270324	52.39	ug/l	0.00
Spiked Amount						
			Recovery	=	104.78%	
62) 4-Bromofluorobenzene	11.14	95	105603	44.01	ug/l	0.00
Spiked Amount						
			Recovery	=	88.02%	

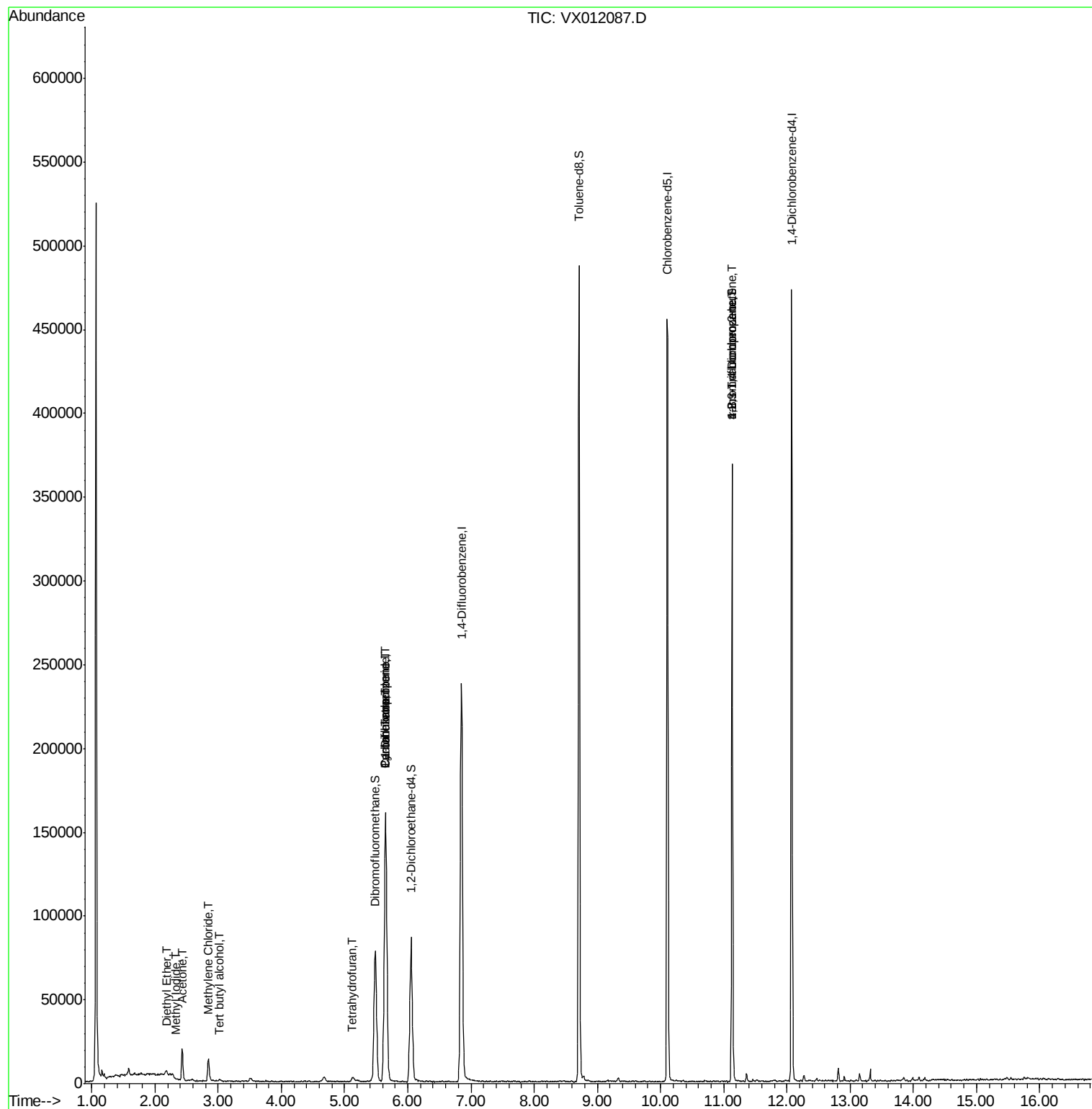
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.19	74	925	1.444	ug/l	89
10) Methyl Iodide	2.33	142	52	7.020	ug/l #	40
11) Tert butyl alcohol	3.02	59	1126	6.327	ug/l #	63
13) Acrolein	2.29	56	343	Below Cal	#	12
16) Acetone	2.43	43	19798	44.702	ug/l	98
20) Methylene Chloride	2.84	84	6211	3.492	ug/l	90
29) Tetrahydrofuran	5.12	42	2826	8.320	ug/l	95
31) Cyclohexane	5.65	56	3840	1.690	ug/l #	12
36) 1,1-Dichloropropene	5.65	75	12772	6.342	ug/l #	49
38) Carbon Tetrachloride	5.65	117	15667	7.383	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	55235	52.226	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	55235	123.470	ug/l #	10

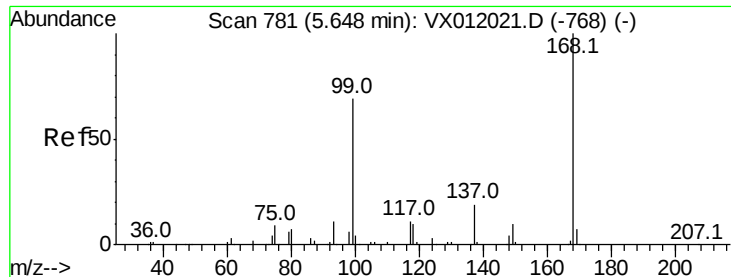
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090419\
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Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 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: VX012087.D

Acq: 05 Sep 2019 08:29

Instrument :

MSVOA_X

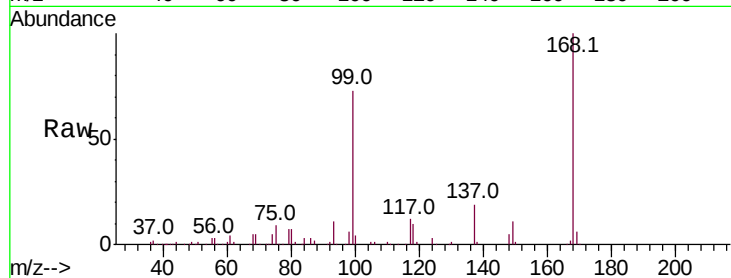
ClientSampleId :

Tot Ion:168 Resp: 134290

Ion Ratio Lower Upper

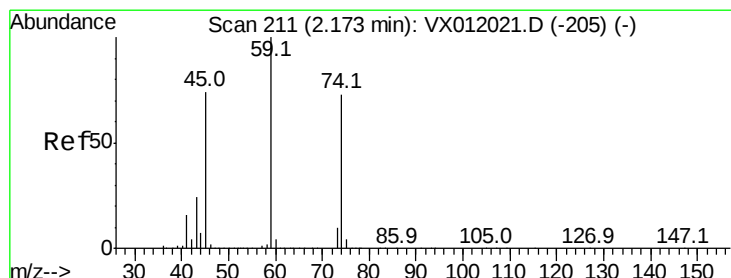
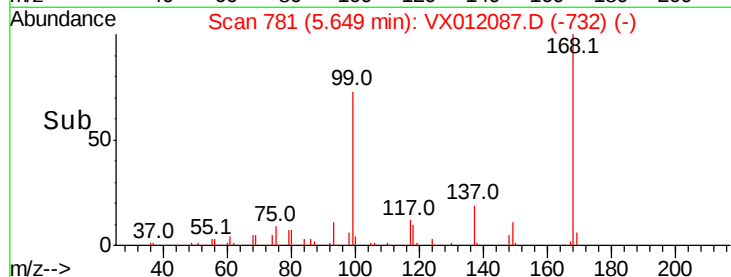
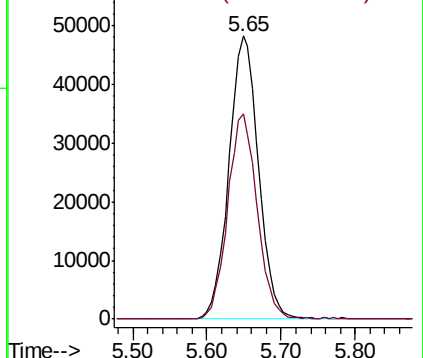
168 100

99 72.7 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 1.444 ug/l

RT: 2.19 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX012087.D

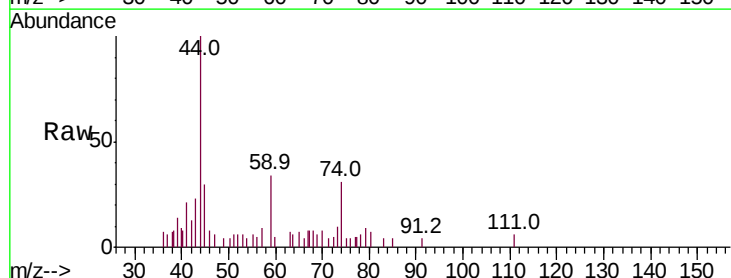
Acq: 05 Sep 2019 08:29

Tgt Ion: 74 Resp: 925

Ion Ratio Lower Upper

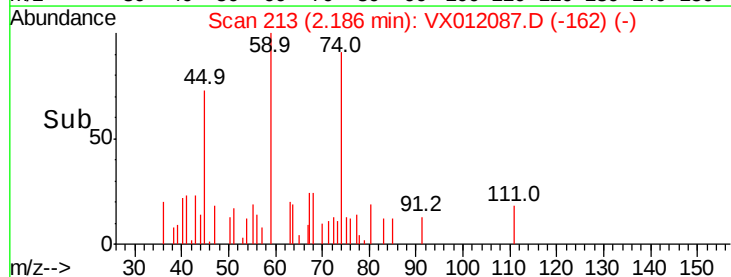
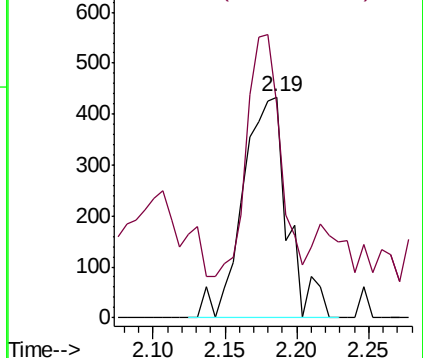
74 100

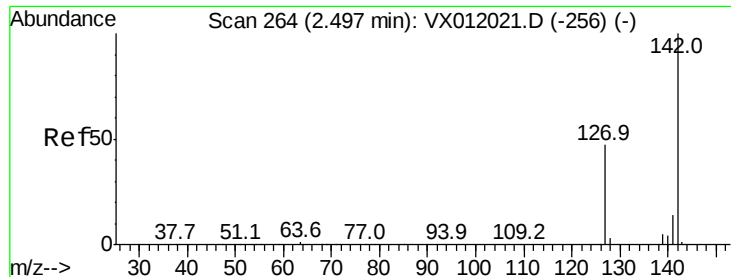
45 81.1 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

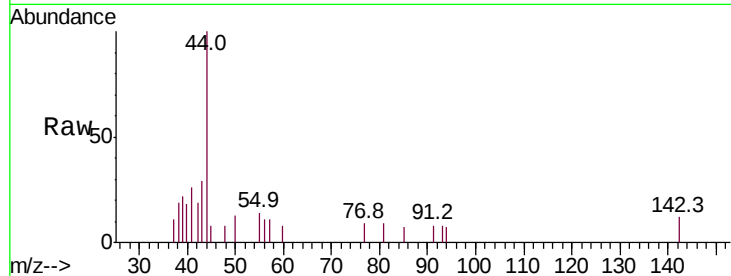




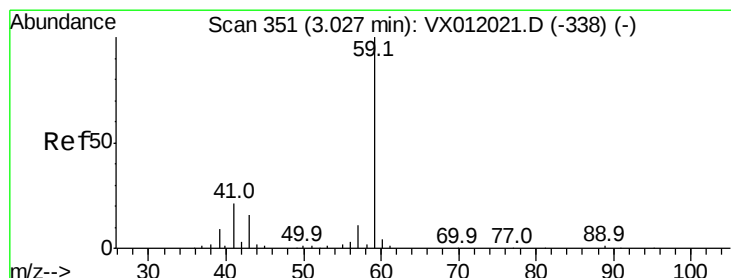
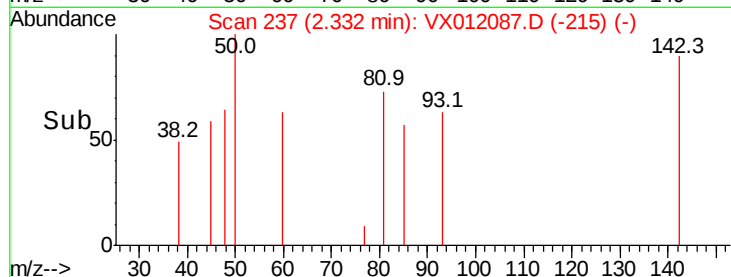
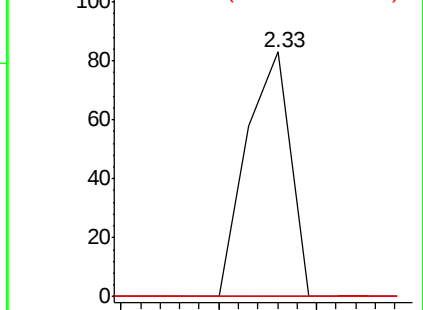
#10
Methyl Iodide
Concen: 7.020 ug/l
RT: 2.33 min Scan# 237
Delta R.T. -0.16 min
Lab File: VX012087.D
Acq: 05 Sep 2019 08:29

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 52
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.4 17.2#

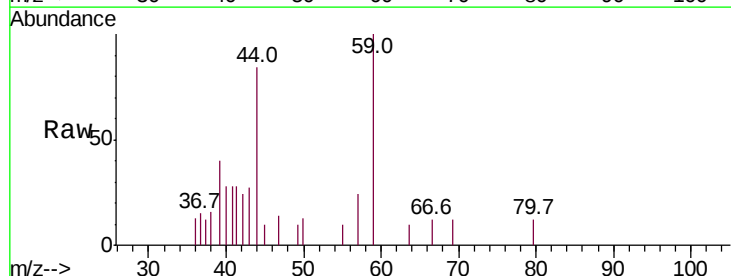


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

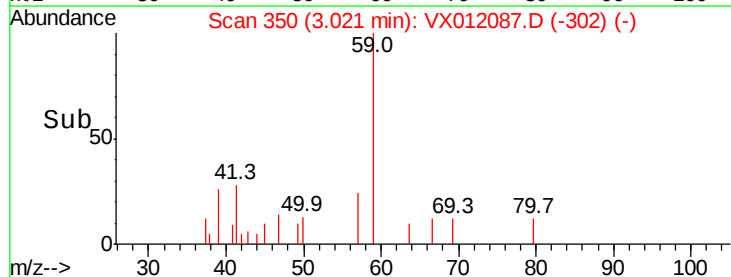
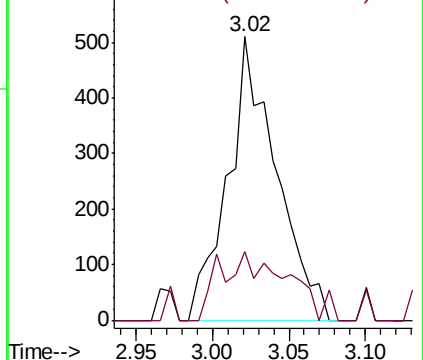


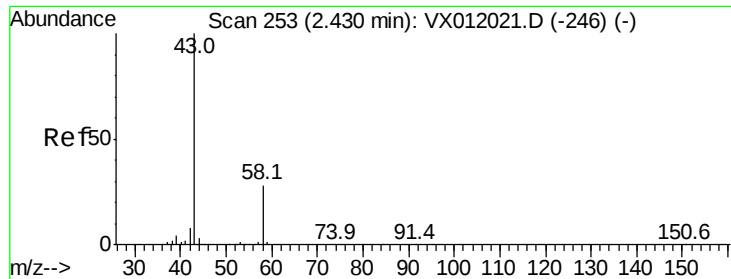
#11
Tert butyl alcohol
Concen: 6.327 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012087.D
Acq: 05 Sep 2019 08:29

Tgt Ion: 59 Resp: 1126
Ion Ratio Lower Upper
59 100
57 23.4 7.9 11.9#



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





#16

Acetone

Concen: 44.702 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012087.D

Acq: 05 Sep 2019 08:29

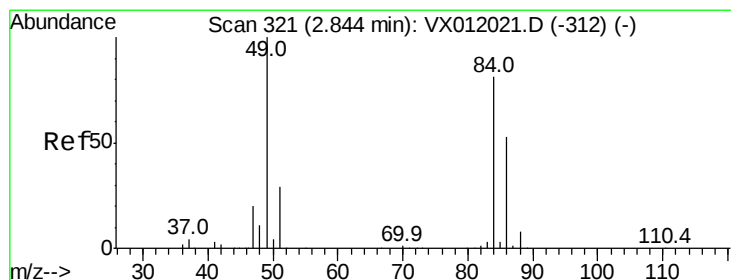
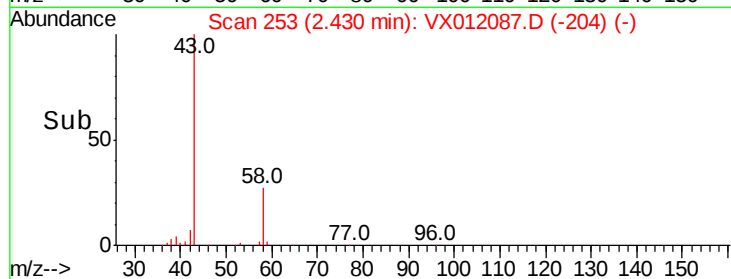
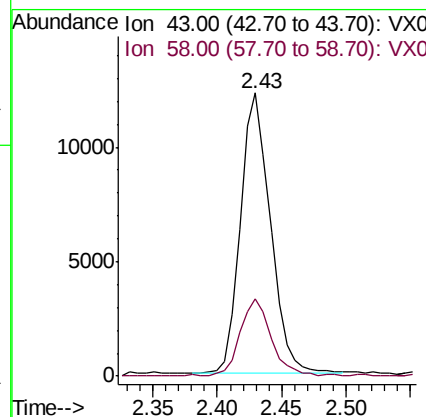
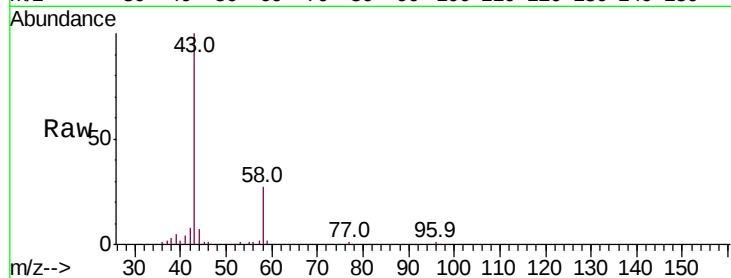
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 19798

Ion Ratio Lower Upper

43 100

58 27.5 22.8 34.2



#20

Methylene Chloride

Concen: 3.492 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012087.D

Acq: 05 Sep 2019 08:29

Tgt Ion: 84 Resp: 6211

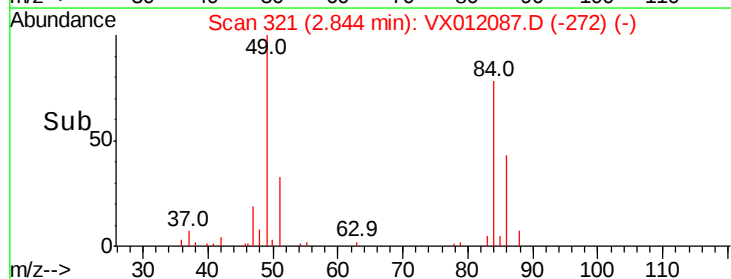
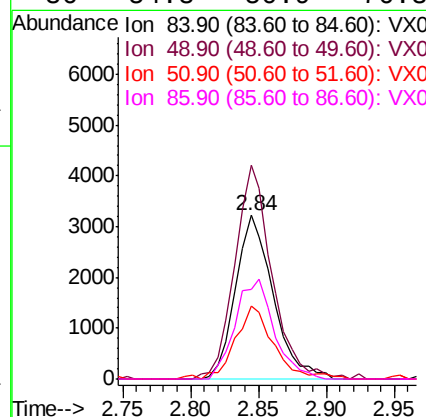
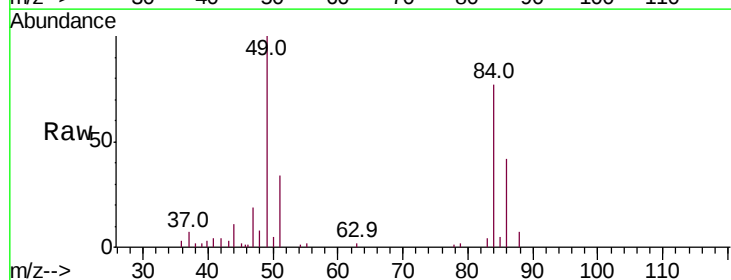
Ion Ratio Lower Upper

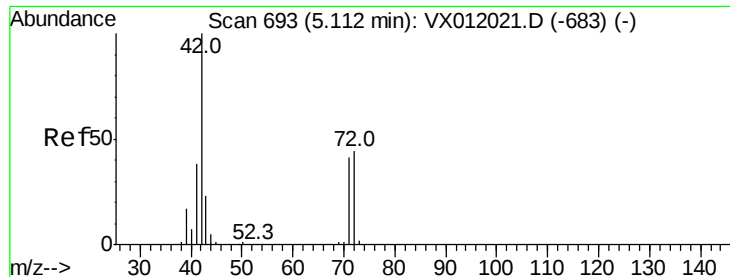
84 100

49 130.4 95.8 143.8

51 42.6 28.6 43.0

86 54.8 50.9 76.3

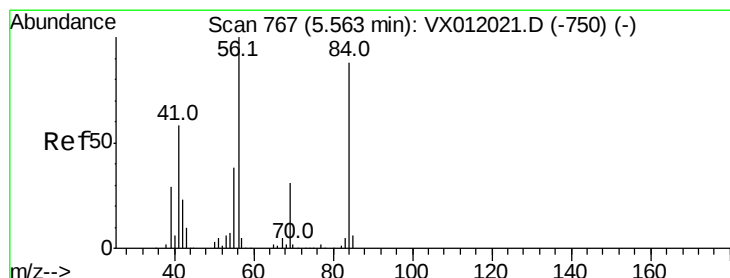
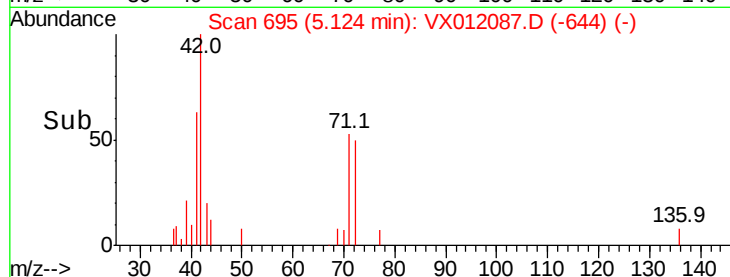
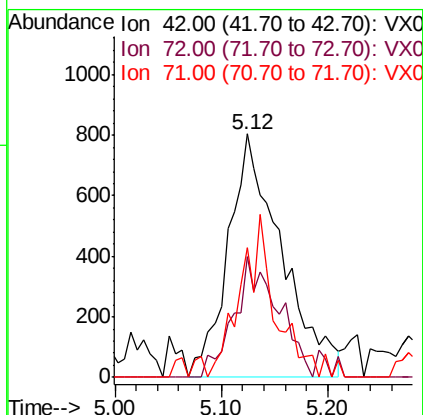
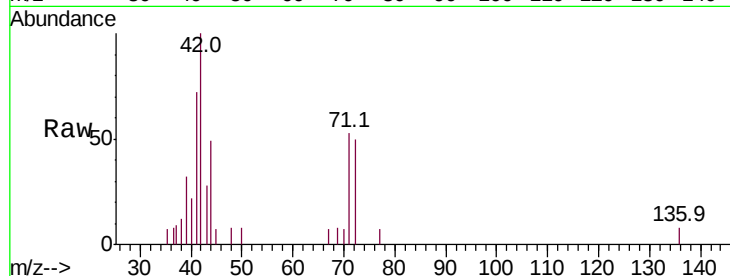




#29
Tetrahydrofuran
Concen: 8.320 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012087.D
Acq: 05 Sep 2019 08:29

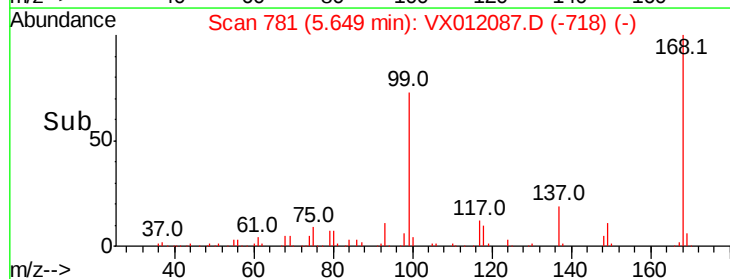
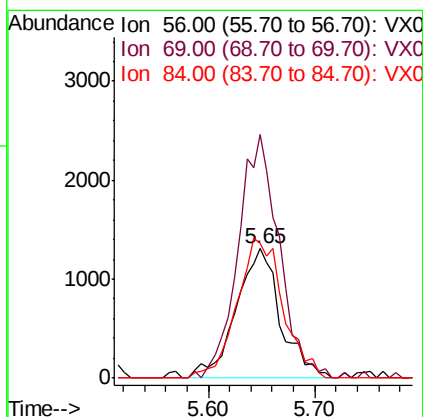
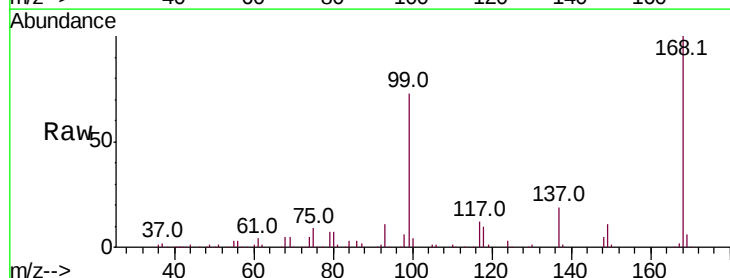
Instrument :
MSVOA_X
ClientSampled :

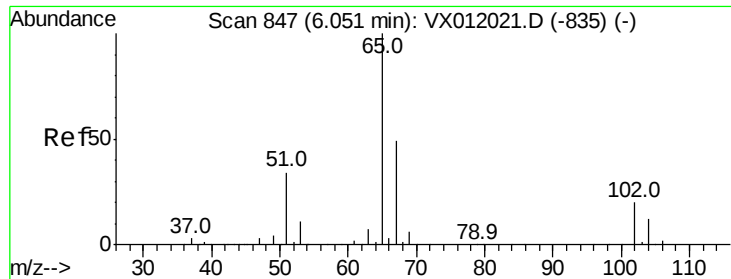
Tot Ion: 42 Resp: 2826
Ion Ratio Lower Upper
42 100
72 40.6 37.0 55.4
71 42.9 33.8 50.8



#31
Cyclohexane
Concen: 1.690 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.09 min
Lab File: VX012087.D
Acq: 05 Sep 2019 08:29

Tgt Ion: 56 Resp: 3840
Ion Ratio Lower Upper
56 100
69 188.4 25.7 38.5#
84 104.7 70.3 105.5

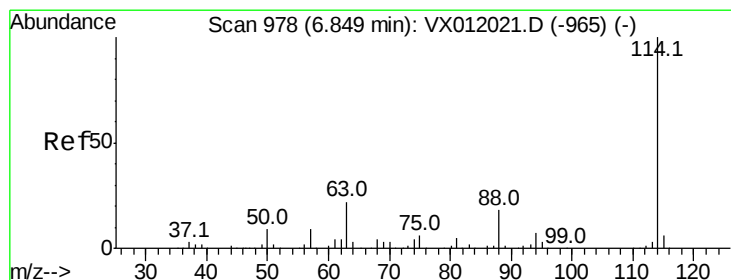
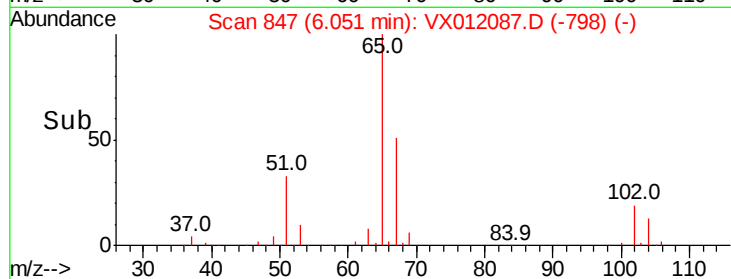
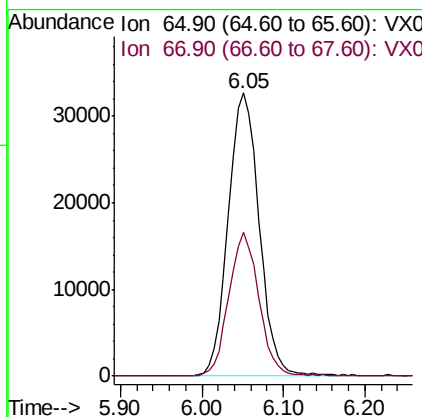
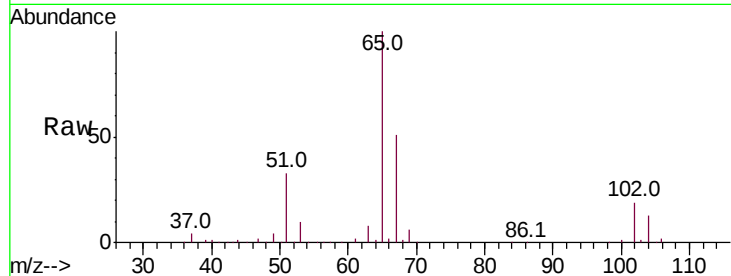




#33
 1,2-Dichloroethane-d4
 Concen: 46.314 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012087.D
 Acq: 05 Sep 2019 08:29

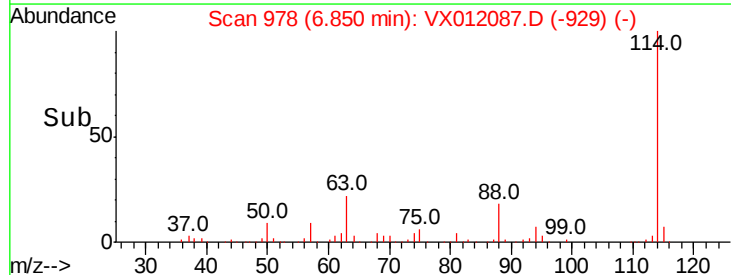
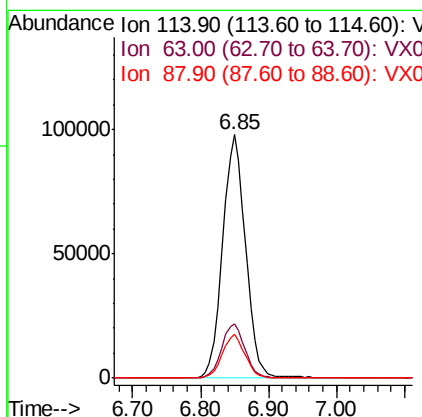
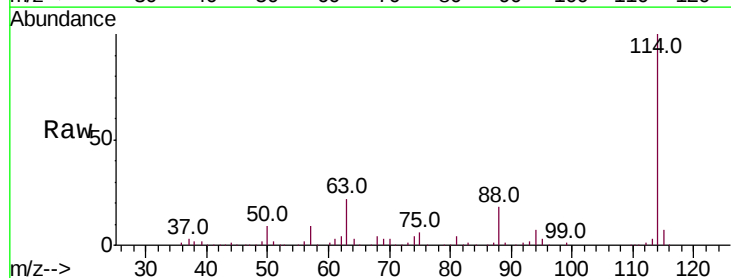
Instrument :
 MSVOA_X
 ClientSampleId :

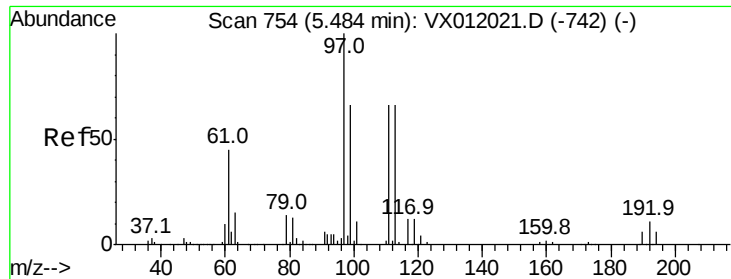
Tot Ion: 65 Resp: 85817
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012087.D
 Acq: 05 Sep 2019 08:29

Tgt Ion:114 Resp: 228650
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 37.4
 88 17.9 0.0 29.6





#35

Dibromofluoromethane

Concen: 47.281 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012087.D

Acq: 05 Sep 2019 08:29

Instrument :

MSVOA_X

ClientSampleId :

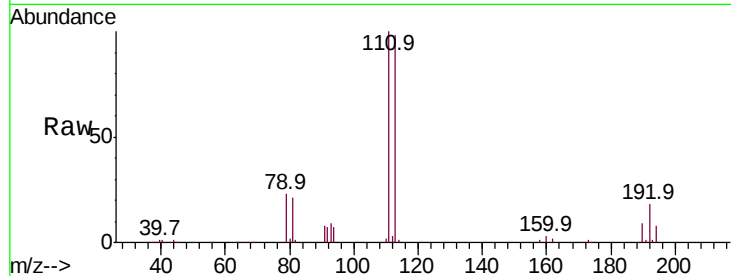
Tot Ion:113 Resp: 66484

Ion Ratio Lower Upper

113 100

111 102.4 81.7 122.5

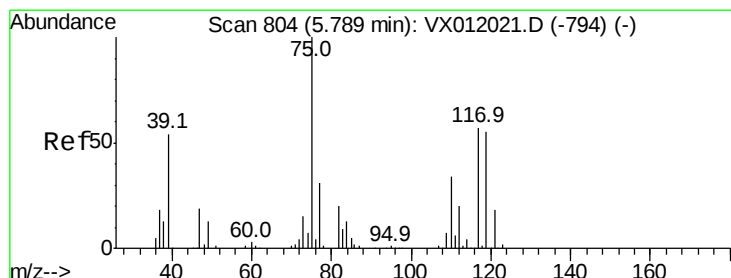
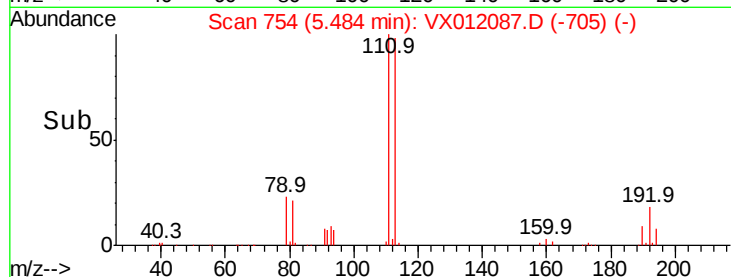
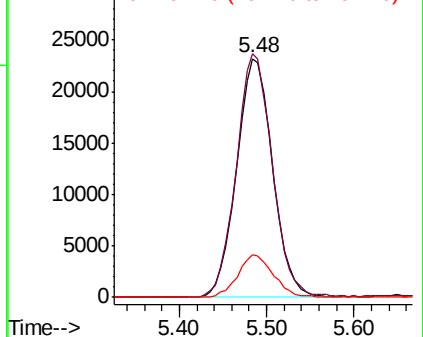
192 17.4 22.5 33.7#



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: 6.342 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012087.D

Acq: 05 Sep 2019 08:29

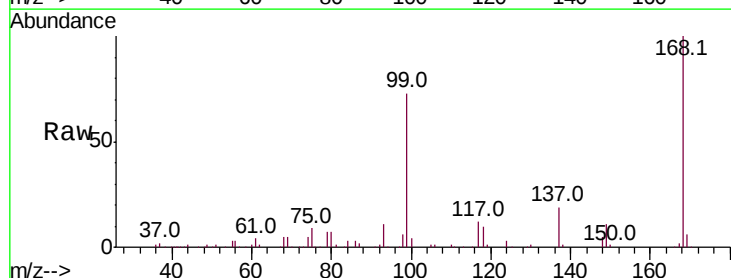
Tgt Ion: 75 Resp: 12772

Ion Ratio Lower Upper

75 100

110 9.9 19.5 58.5#

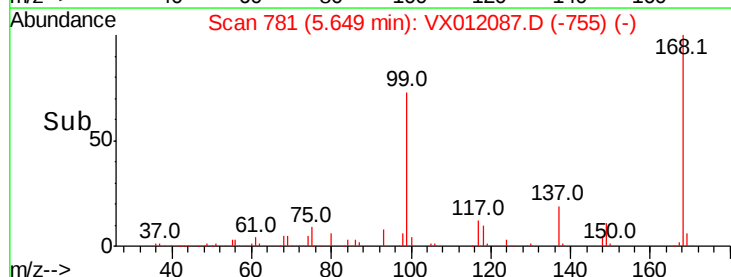
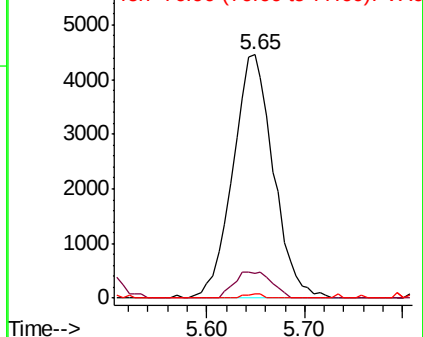
77 0.8 24.6 37.0#

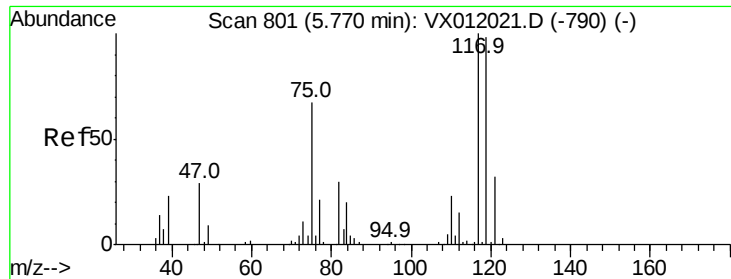


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

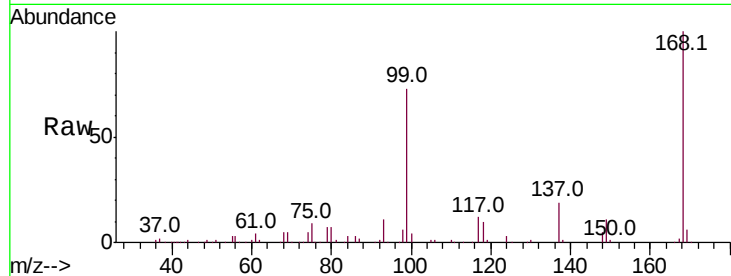




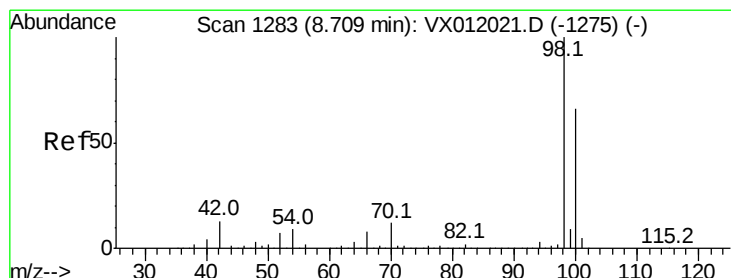
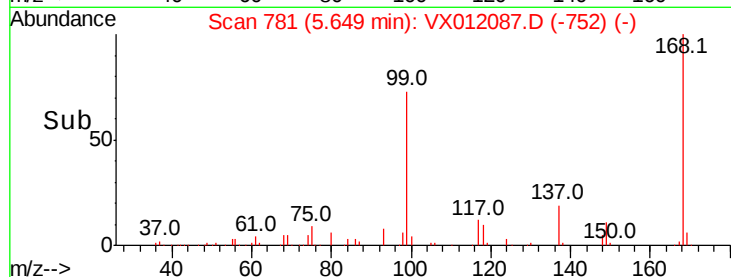
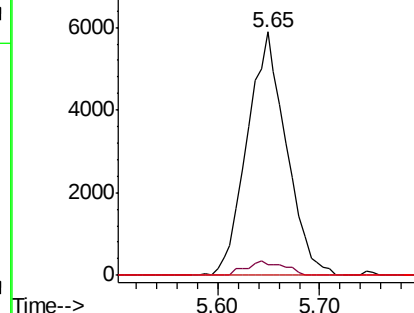
#38
Carbon Tetrachloride
Concen: 7.383 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.12 min
Lab File: VX012087.D
Acq: 05 Sep 2019 08:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 15667
Ion Ratio Lower Upper
117 100
119 4.6 78.3 117.5#
121 0.0 24.2 36.2#

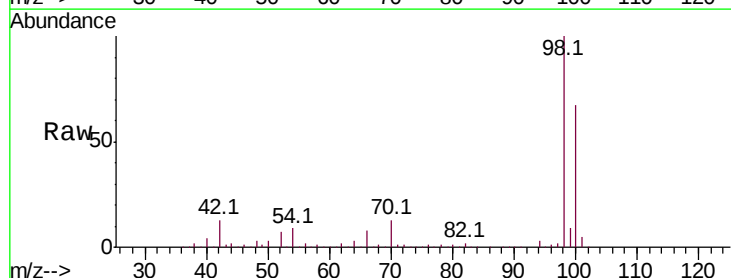


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

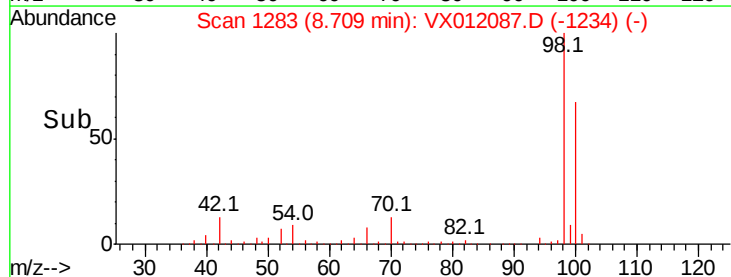
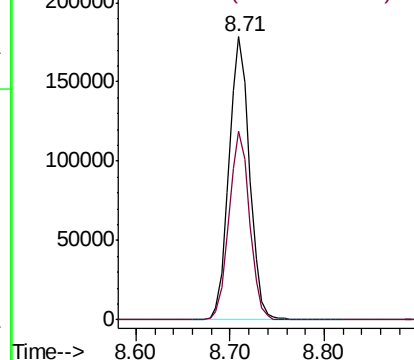


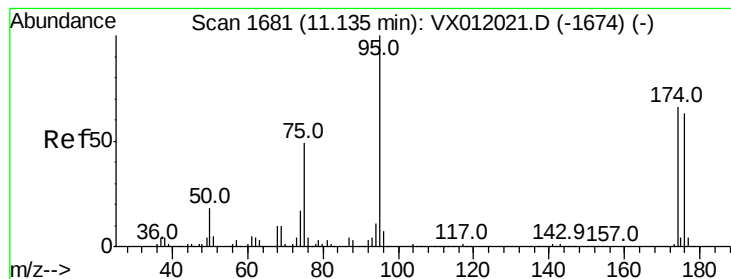
#50
Toluene-d8
Concen: 52.390 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012087.D
Acq: 05 Sep 2019 08:29

Tgt Ion: 98 Resp: 270324
Ion Ratio Lower Upper
98 100
100 66.7 53.3 79.9



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





#62

4-Bromofluorobenzene

Concen: 44.008 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012087.D

Acq: 05 Sep 2019 08:29

Instrument :

MSVOA_X

ClientSampleId :

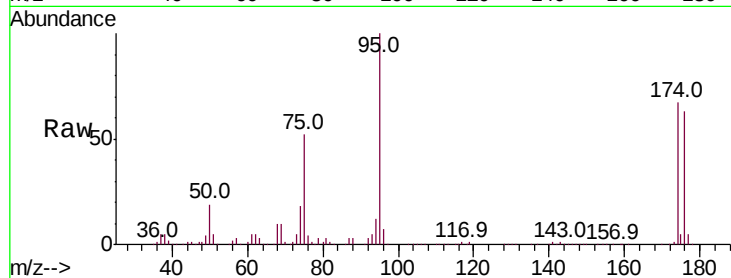
Tot Ion: 95 Resp: 105603

Ion Ratio Lower Upper

95 100

174 62.8 0.0 205.4

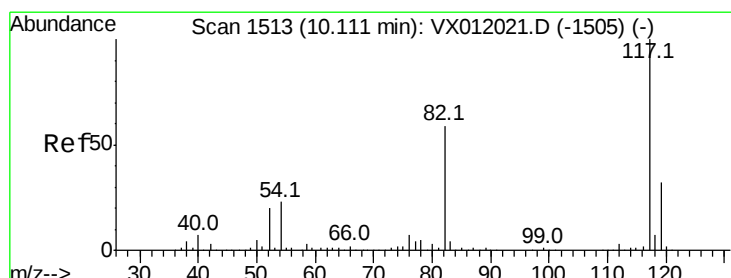
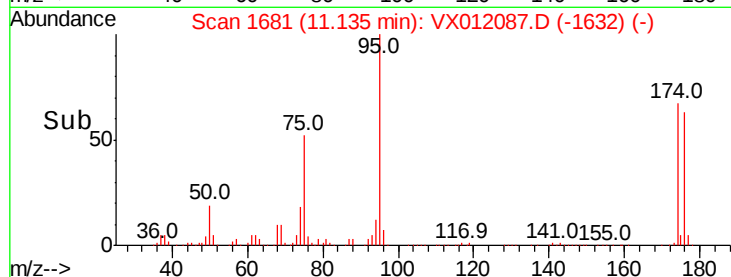
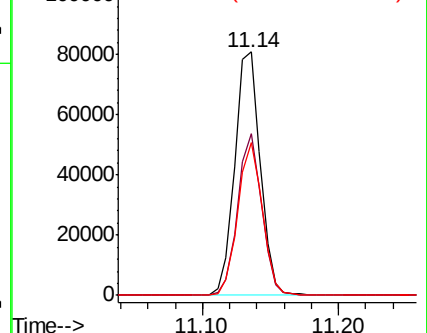
176 60.7 0.0 201.8



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: VX012087.D

Acq: 05 Sep 2019 08:29

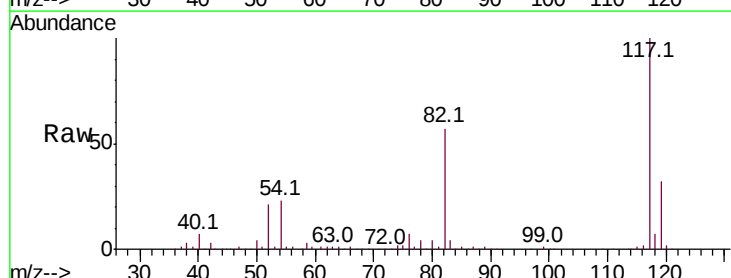
Tgt Ion: 117 Resp: 196553

Ion Ratio Lower Upper

117 100

82 57.3 39.4 59.0

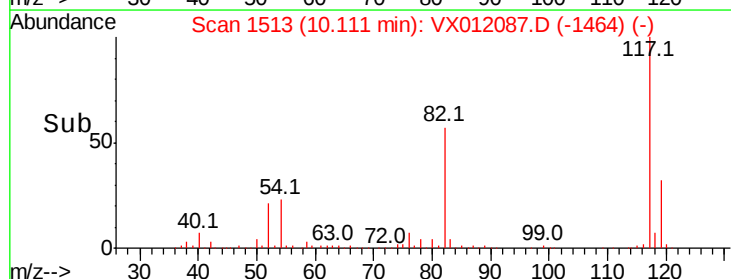
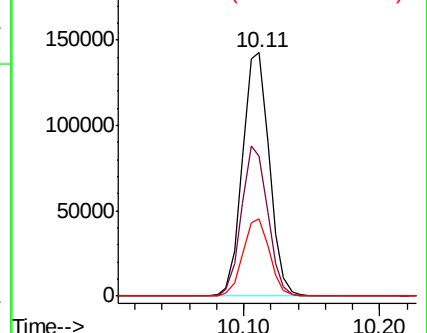
119 31.8 26.1 39.1

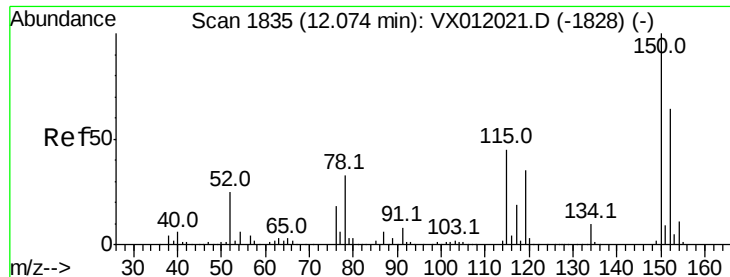


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX012087.D

Acq: 05 Sep 2019 08:29

Instrument :

MSVOA_X

ClientSampleId :

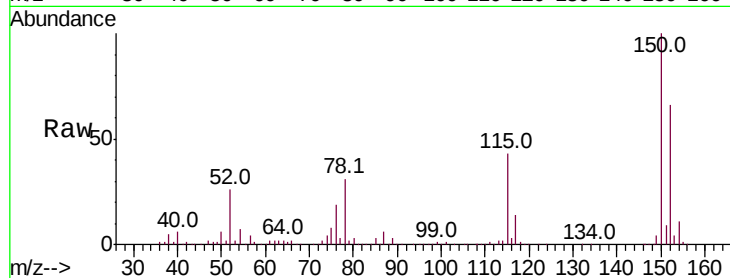
Tot Ion:152 Resp: 86559

Ion Ratio Lower Upper

152 100

115 67.1 36.4 109.3

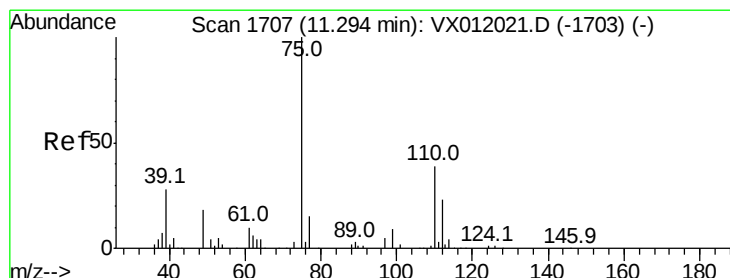
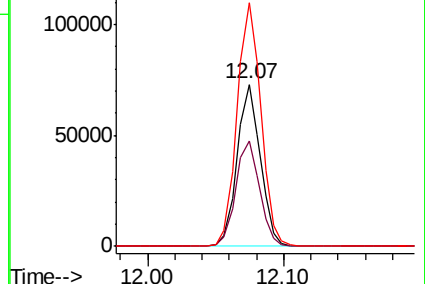
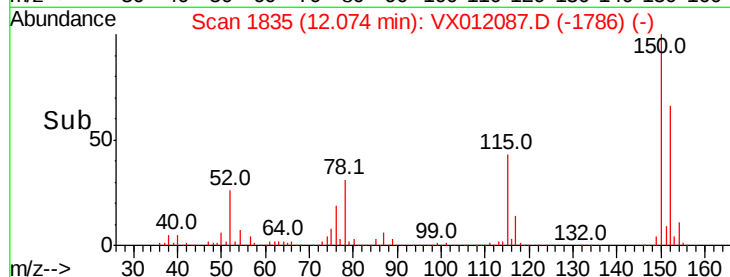
150 154.7 0.0 341.2



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: 52.226 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012087.D

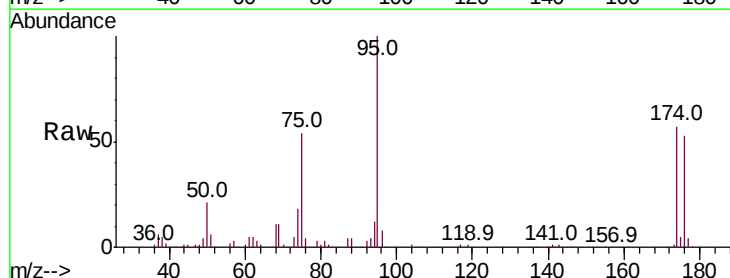
Acq: 05 Sep 2019 08:29

Tgt Ion: 75 Resp: 55235

Ion Ratio Lower Upper

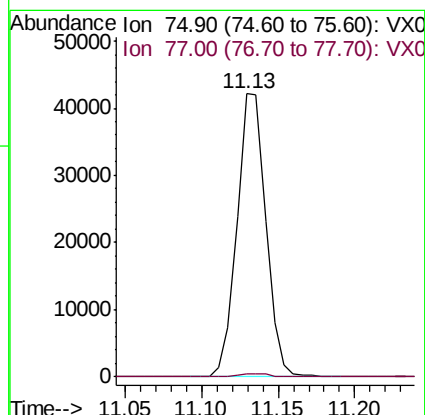
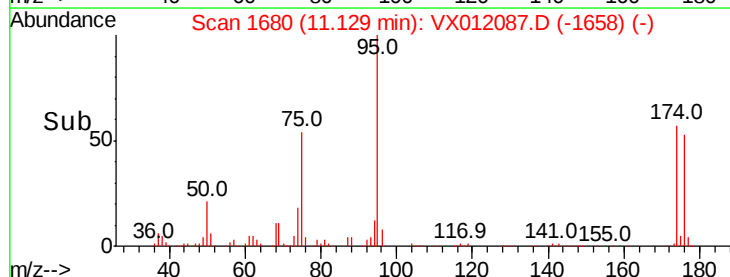
75 100

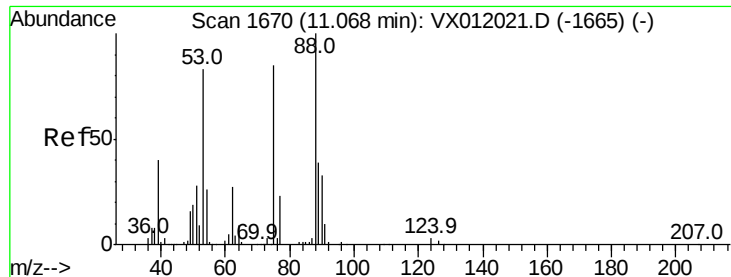
77 1.1 23.5 70.5#



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: 123.470 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012087.D

Acq: 05 Sep 2019 08:29

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 55235

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.0 38.8 58.2#

