

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090419\
 Data File : VX012088.D
 Acq On : 05 Sep 2019 08:57
 Operator : SY/SP
 Sample : K4548-06
 Misc : 6.84g/5.0mL/MSVOA X/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 05 14:36:37 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	152913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	264507	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	97838	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	103313	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
35) Dibromofluoromethane	5.48	113	77995	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	
50) Toluene-d8	8.71	98	314261	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
62) 4-Bromofluorobenzene	11.13	95	122134	44.00	ug/l	0.00
Spiked Amount			Recovery	=	88.00%	

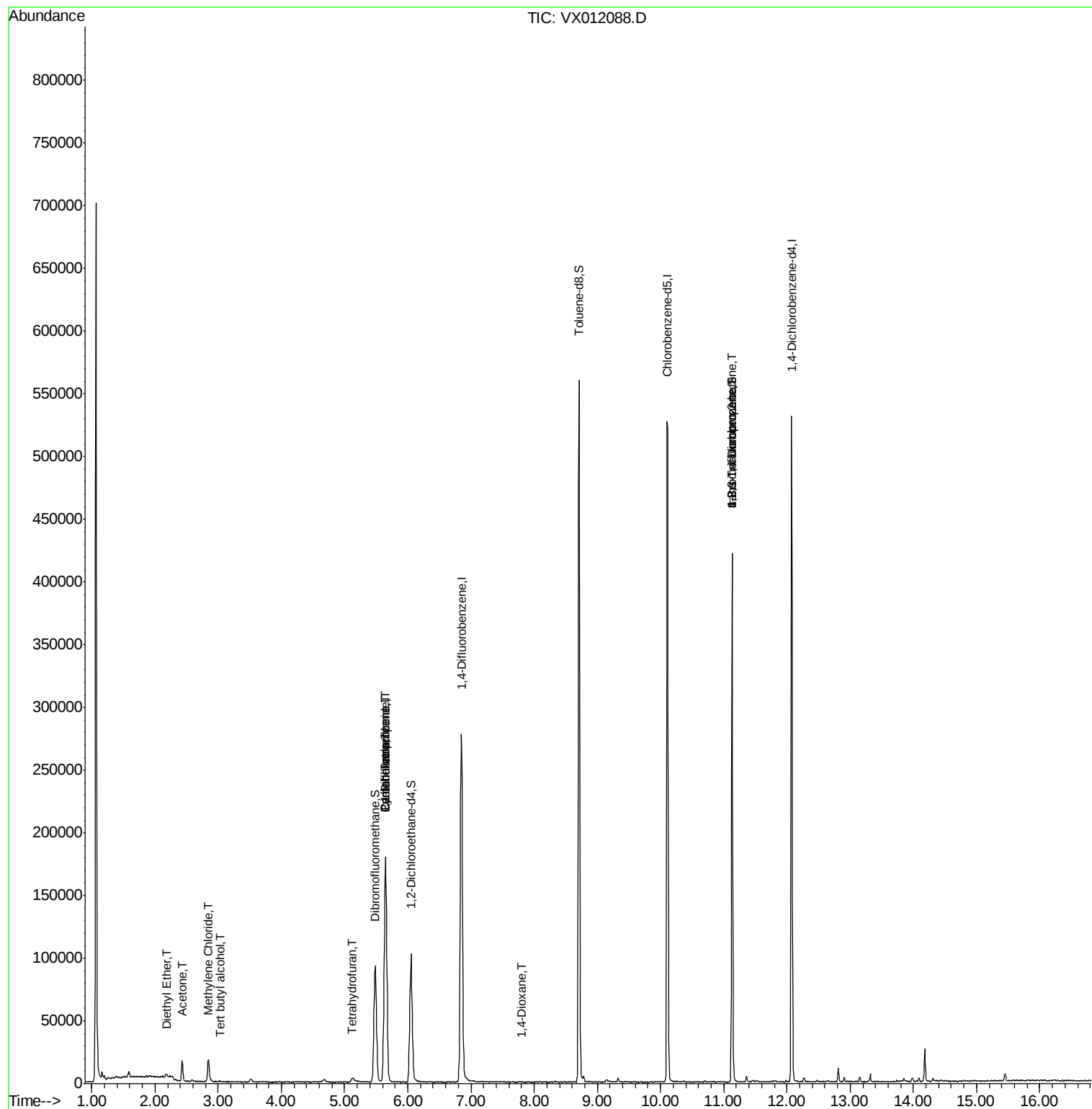
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	927	1.271	ug/l	89
11) Tert butyl alcohol	3.03	59	841	4.150	ug/l #	38
13) Acrolein	2.25	56	28	Below Cal	#	1
16) Acetone	2.43	43	16830	33.372	ug/l	98
20) Methylene Chloride	2.85	84	8833	4.362	ug/l	95
29) Tetrahydrofuran	5.13	42	3596	9.297	ug/l #	84
31) Cyclohexane	5.65	56	4143	1.602	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14088	6.047	ug/l #	49
38) Carbon Tetrachloride	5.64	117	17962	7.317	ug/l #	15
49) 1,4-Dioxane	7.79	88	45	2.549	ug/l #	57
76) 1,2,3-Trichloropropane	11.13	75	64259	53.754	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	64259	127.082	ug/l #	10

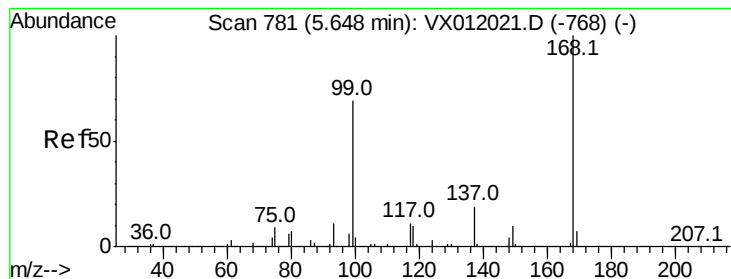
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VX012088.D

Acq: 05 Sep 2019 08:57

Instrument :

MSVOA_X

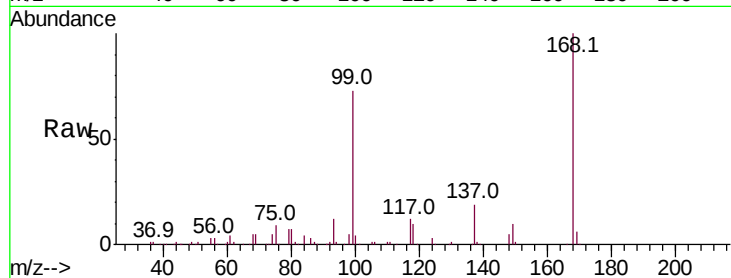
ClientSampleId :

Tot Ion:168 Resp: 152913

Ion Ratio Lower Upper

168 100

99 73.5 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

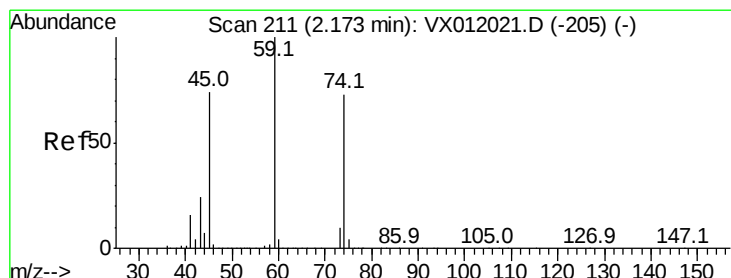
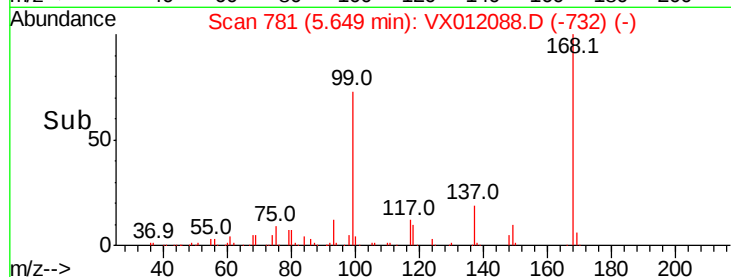
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.271 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012088.D

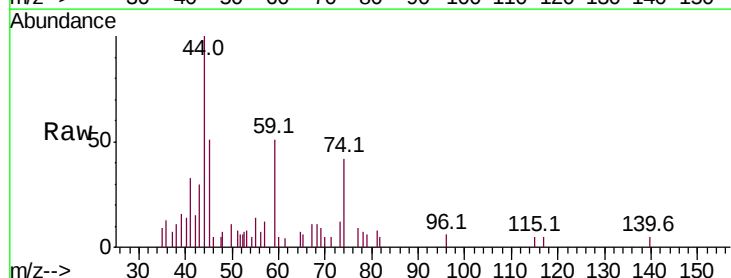
Acq: 05 Sep 2019 08:57

Tgt Ion: 74 Resp: 927

Ion Ratio Lower Upper

74 100

45 102.0 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.18

600

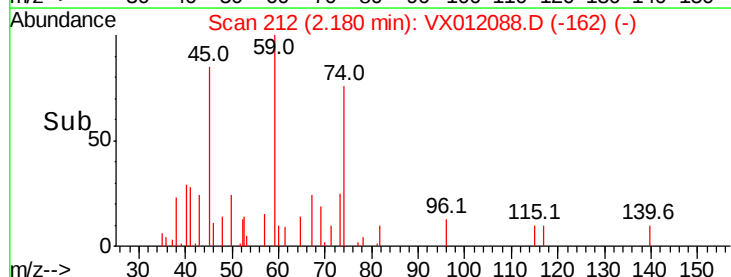
400

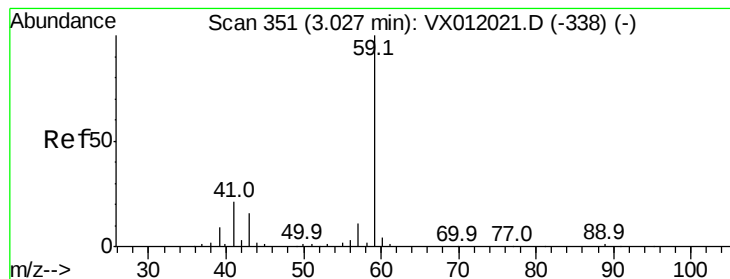
200

0

Time-->

2.10 2.15 2.20



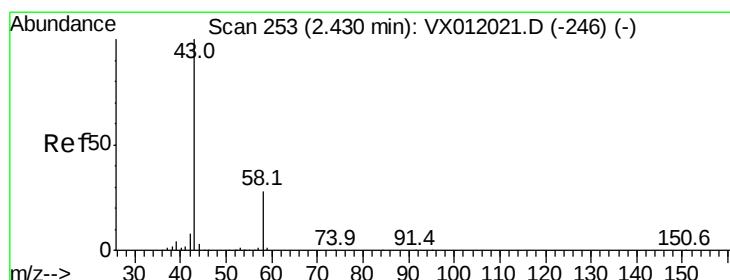
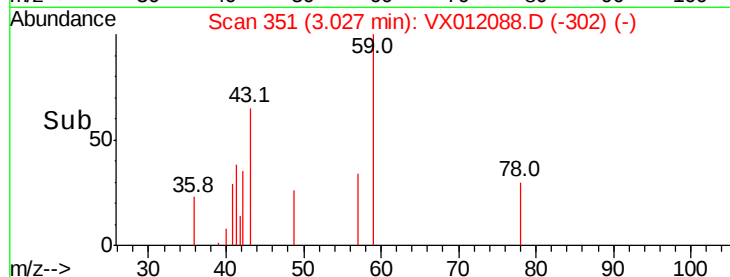
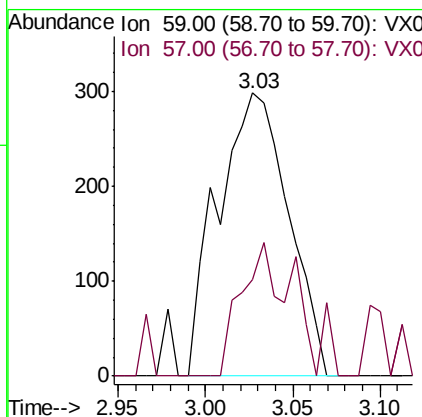
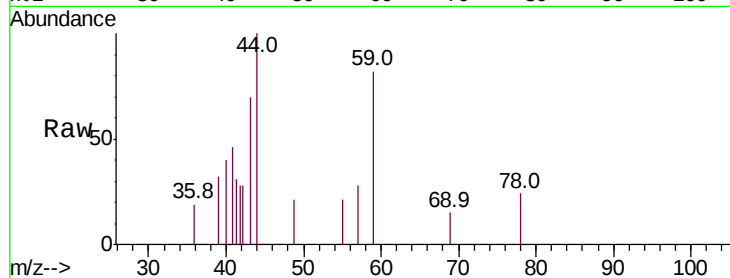


#11

Tert butyl alcohol
Concen: 4.150 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX012088.D
Acq: 05 Sep 2019 08:57

Instrument :
MSVOA_X
ClientSampled :

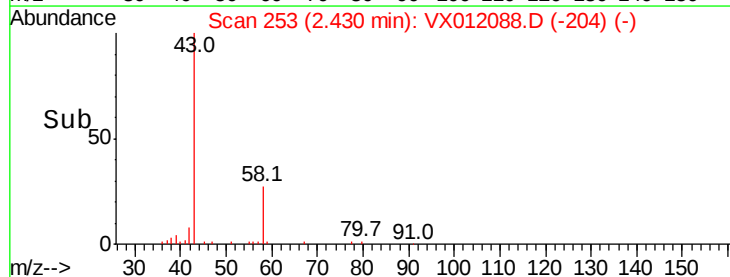
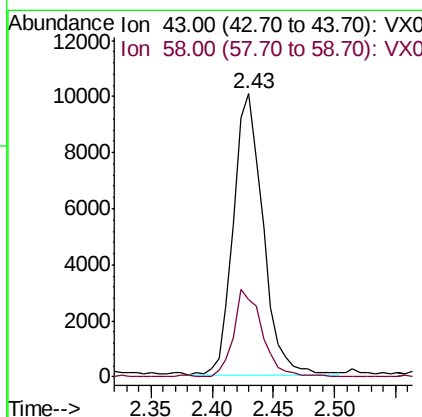
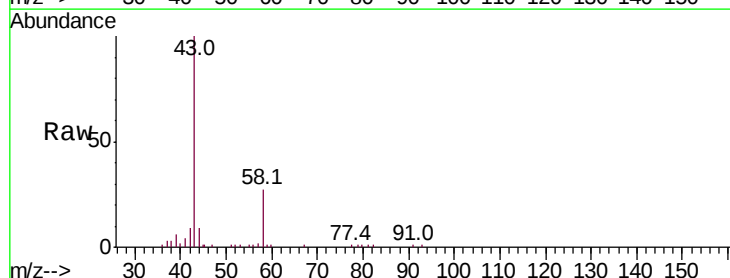
Tot Ion: 59 Resp: 841
Ion Ratio Lower Upper
59 100
57 32.7 7.9 11.9#

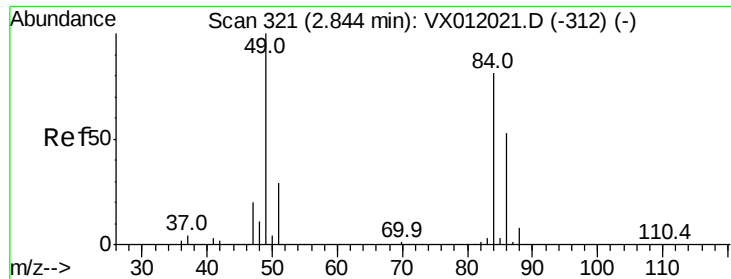


#16

Acetone
Concen: 33.372 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX012088.D
Acq: 05 Sep 2019 08:57

Tgt Ion: 43 Resp: 16830
Ion Ratio Lower Upper
43 100
58 27.7 22.8 34.2

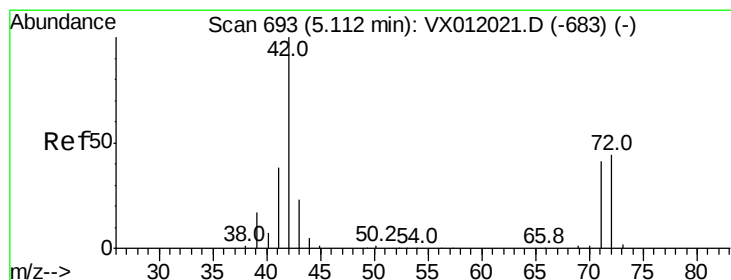
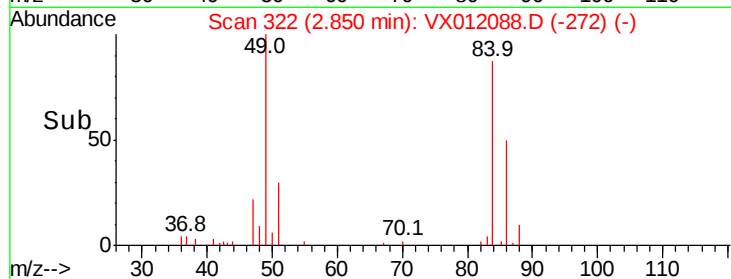
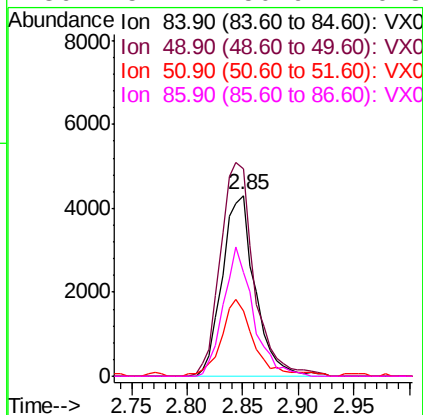
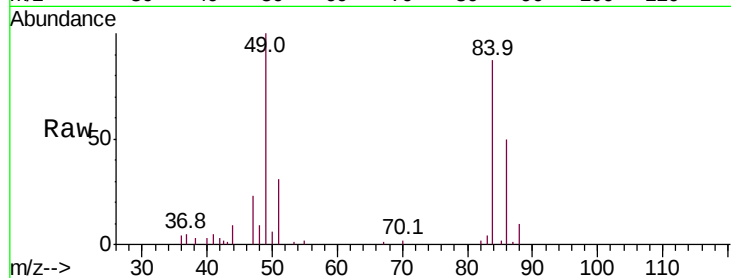




#20
Methvlene Chloride
Concen: 4.362 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012088.D
Acq: 05 Sep 2019 08:57

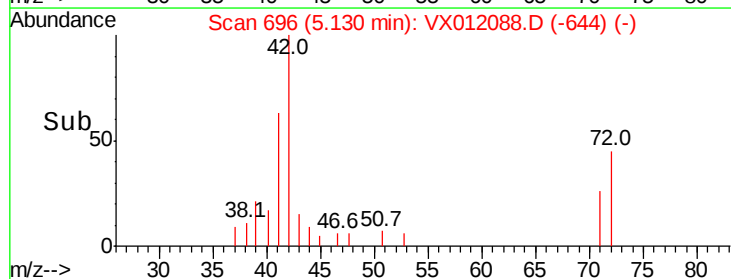
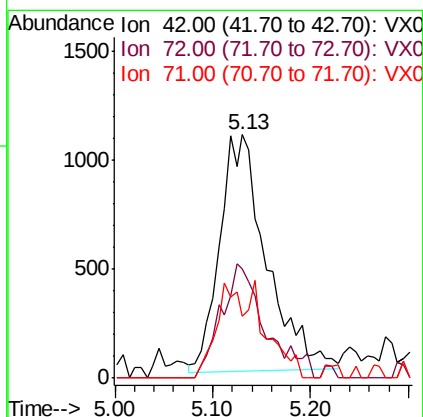
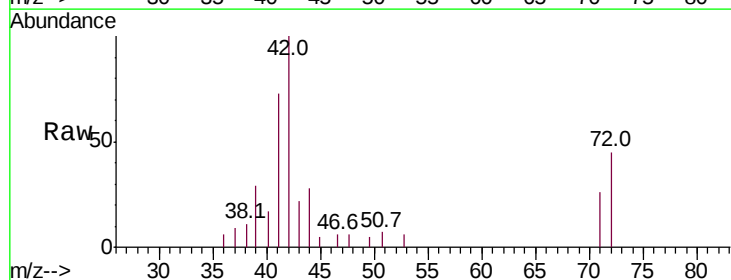
Instrument :
MSVOA_X
ClientSampleId :

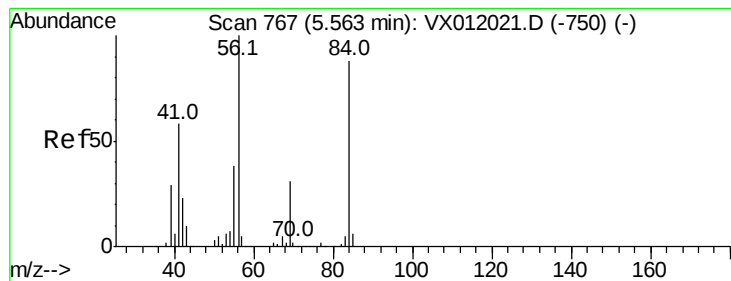
Tot Ion: 84 Resp: 8833
Ion Ratio Lower Upper
84 100
49 114.9 95.8 143.8
51 36.1 28.6 43.0
86 57.2 50.9 76.3



#29
Tetrahydrofuran
Concen: 9.297 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012088.D
Acq: 05 Sep 2019 08:57

Tgt Ion: 42 Resp: 3596
Ion Ratio Lower Upper
42 100
72 45.8 37.0 55.4
71 21.3 33.8 50.8#





#31

Cyclohexane

Concen: 1.602 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.09 min

Lab File: VX012088.D

Acq: 05 Sep 2019 08:57

Instrument :
MSVOA_X
ClientSampleId :

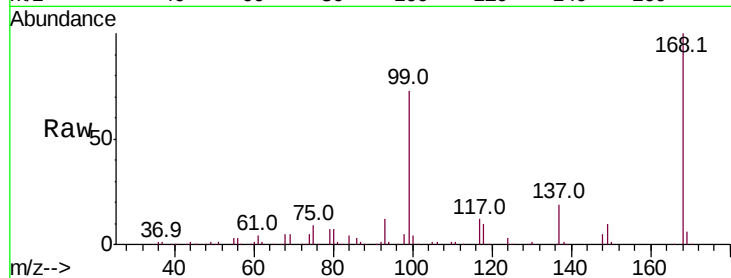
Tot Ion: 56 Resp: 4143

Ion Ratio Lower Upper

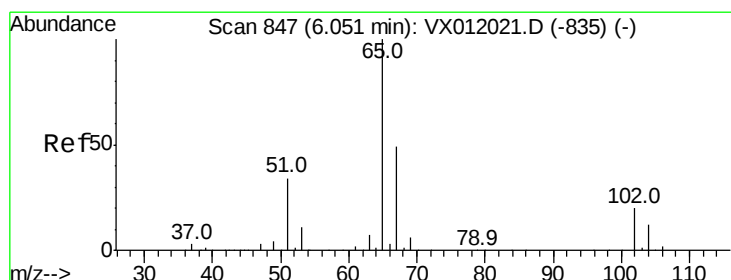
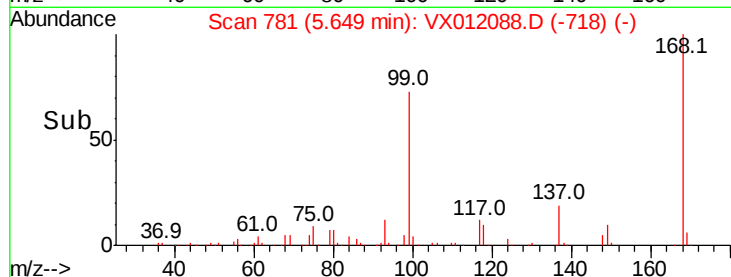
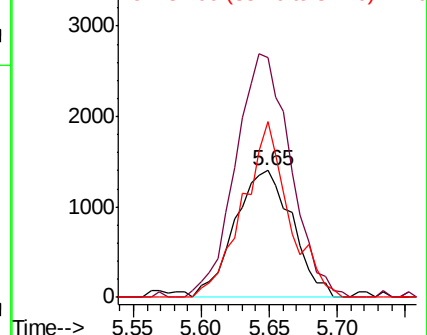
56 100

69 175.8 25.7 38.5#

84 132.3 70.3 105.5#



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: 48.966 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012088.D

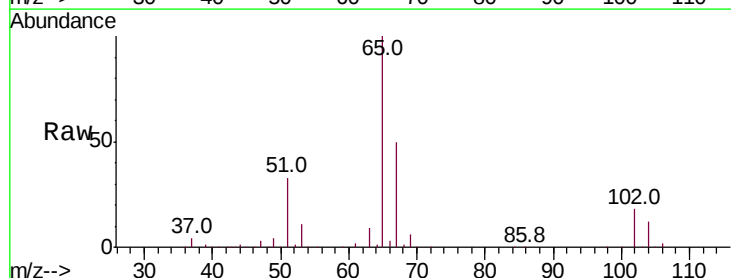
Acq: 05 Sep 2019 08:57

Tgt Ion: 65 Resp: 103313

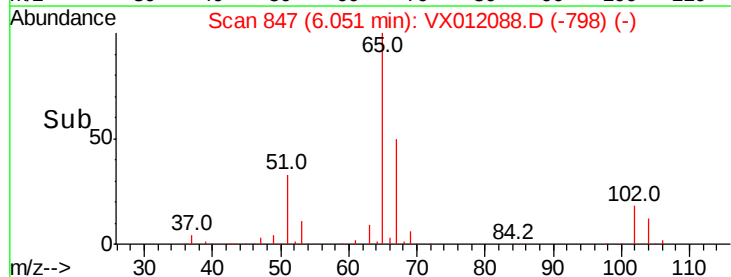
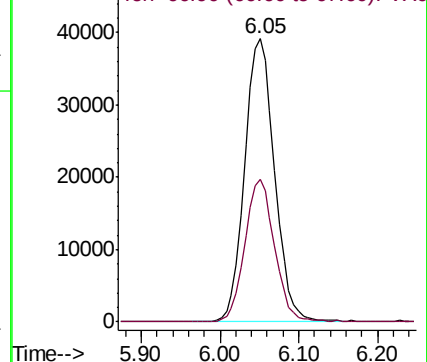
Ion Ratio Lower Upper

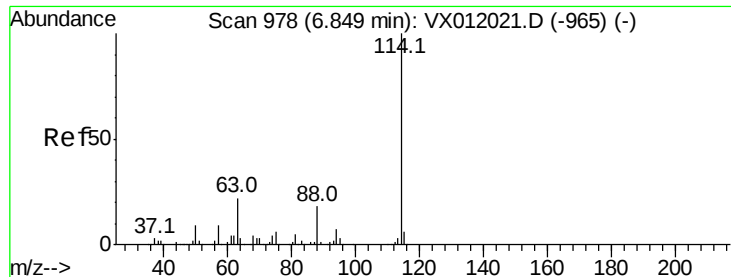
65 100

67 49.9 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

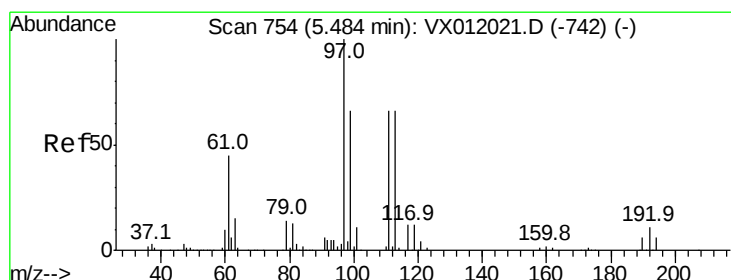
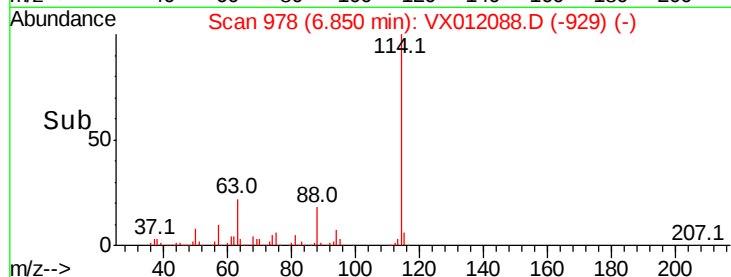
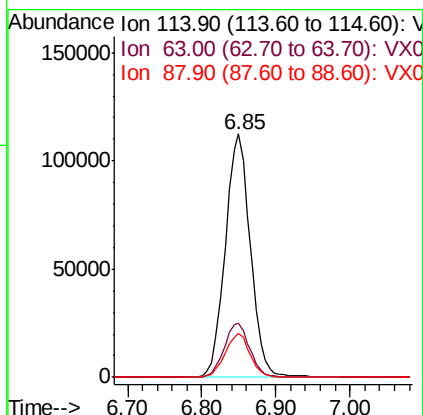
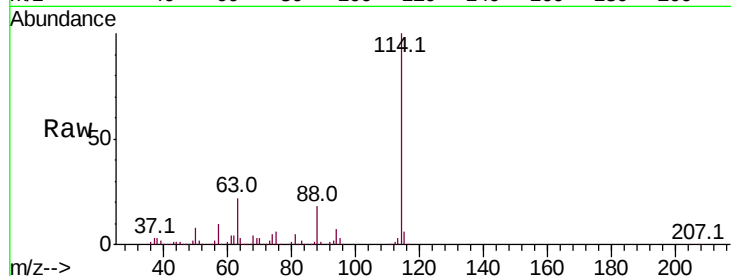




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012088.D
 Acq: 05 Sep 2019 08:57

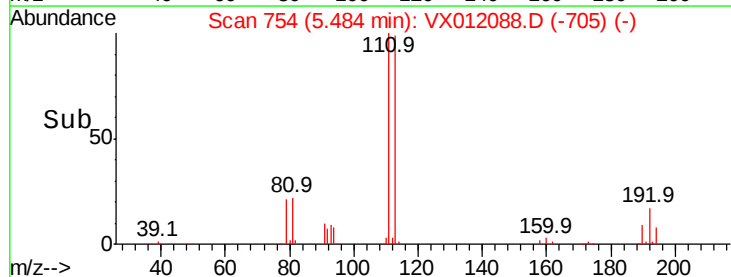
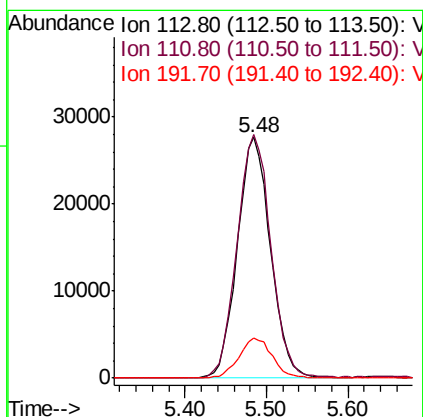
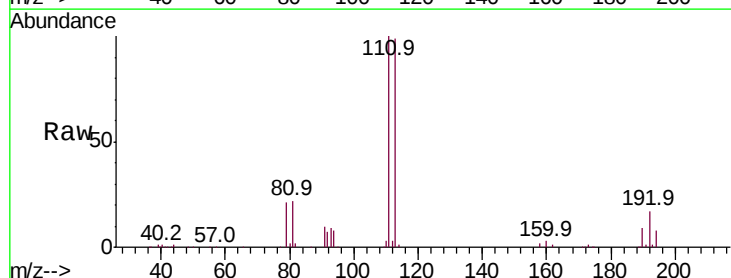
Instrument :
 MSVOA_X
 ClientSampleId :

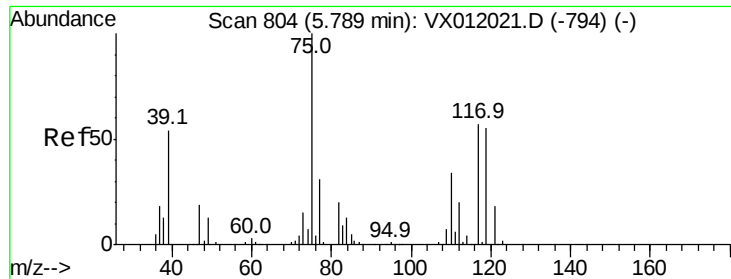
Tot Ion:114 Resp: 264507
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 37.4
 88 17.8 0.0 29.6



#35
 Dibromofluoromethane
 Concen: 47.948 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012088.D
 Acq: 05 Sep 2019 08:57

Tgt Ion:113 Resp: 77995
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.7 122.5
 192 16.7 22.5 33.7#

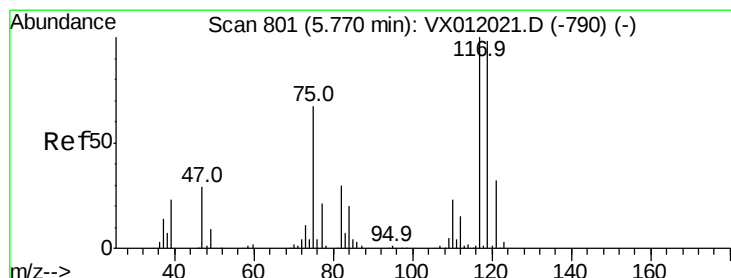
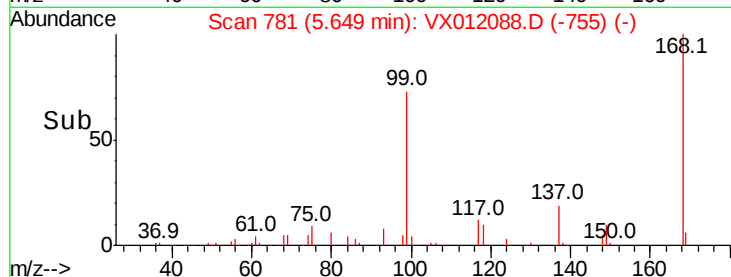
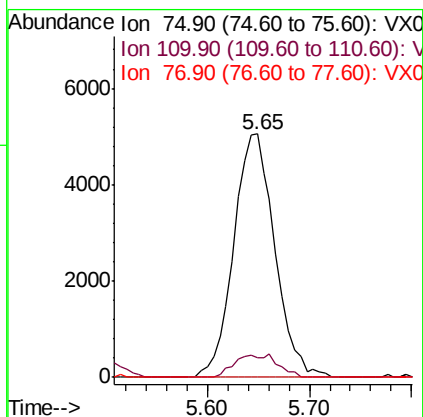
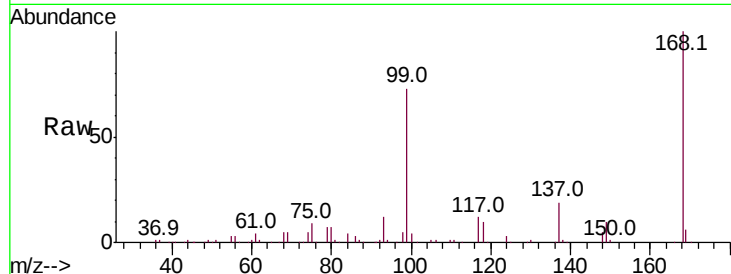




#36
 1,1-Dichloropropene
 Concen: 6.047 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012088.D
 Acq: 05 Sep 2019 08:57

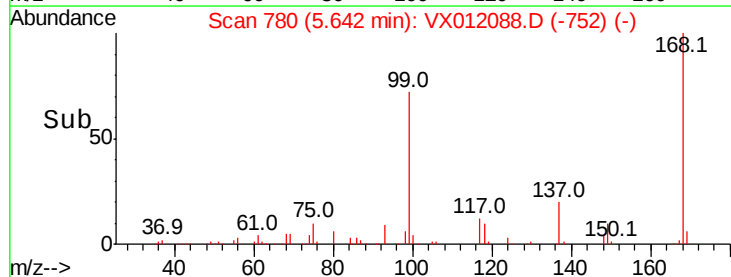
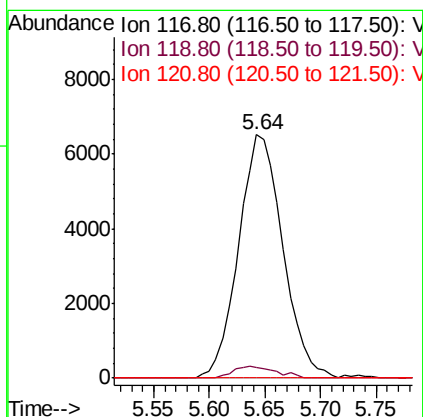
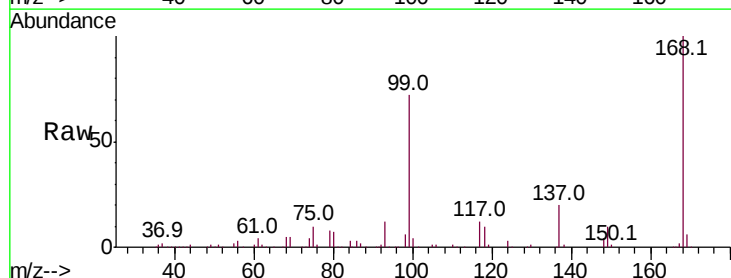
Instrument :
 MSVOA_X
 ClientSampleId :

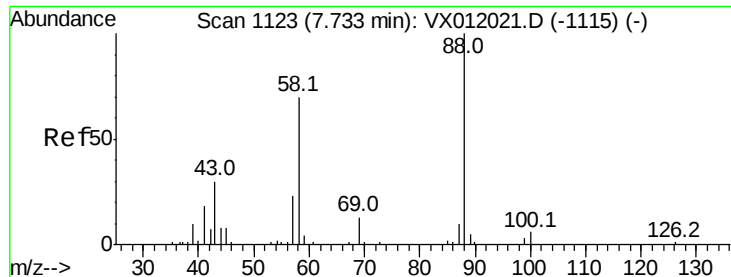
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	19.5	58.5#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 7.317 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012088.D
 Acq: 05 Sep 2019 08:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	78.3	117.5#
121	0.0	24.2	36.2#

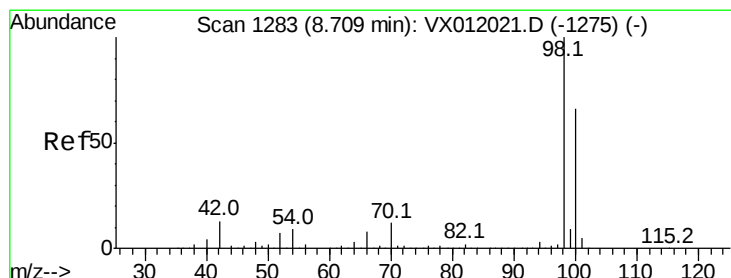
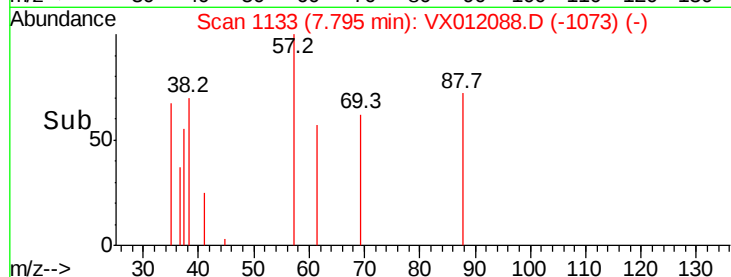
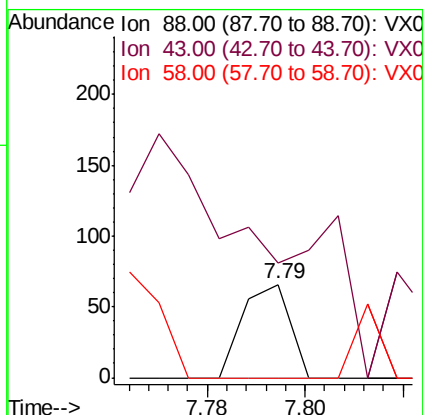
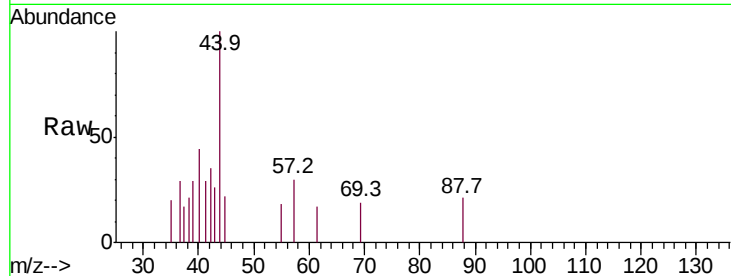




#49
 1,4-Dioxane
 Concen: 2.549 ug/l
 RT: 7.79 min Scan# 1133
 Delta R.T. 0.07 min
 Lab File: VX012088.D
 Acq: 05 Sep 2019 08:57

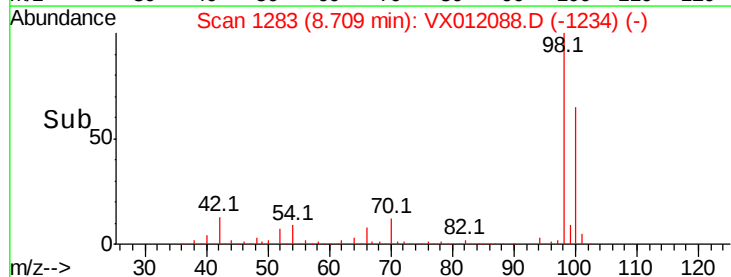
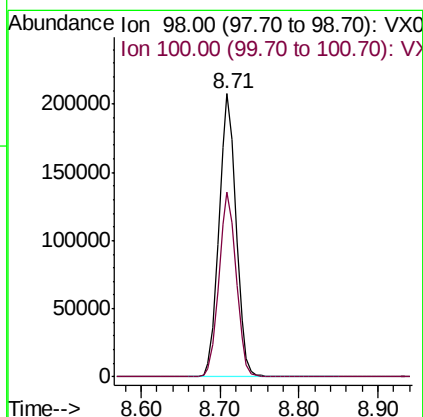
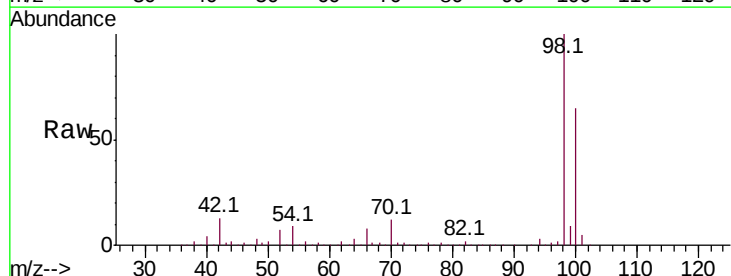
Instrument :
 MSVOA_X
 ClientSampled :

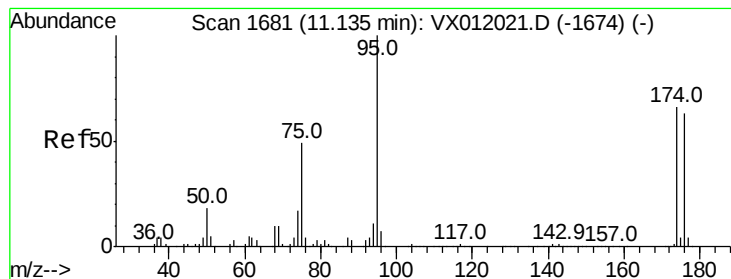
Tot Ion: 88 Resp: 45
 Ion Ratio Lower Upper
 88 100
 43 0.0 29.8 44.6#
 58 42.2 55.4 83.2#



#50
 Toluene-d8
 Concen: 52.649 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012088.D
 Acq: 05 Sep 2019 08:57

Tgt Ion: 98 Resp: 314261
 Ion Ratio Lower Upper
 98 100
 100 65.8 53.3 79.9





#62

4-Bromofluorobenzene

Concen: 43.997 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012088.D

Acq: 05 Sep 2019 08:57

Instrument :

MSVOA_X

ClientSampleId :

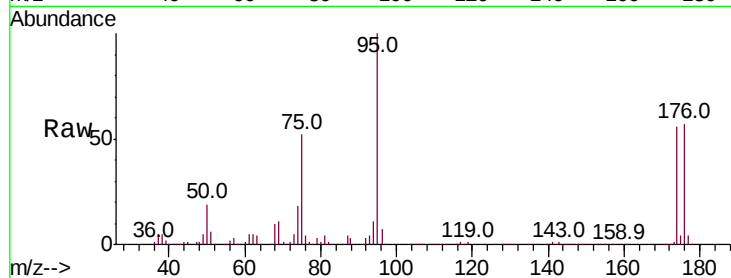
Tot Ion: 95 Resp: 122134

Ion Ratio Lower Upper

95 100

174 63.5 0.0 205.4

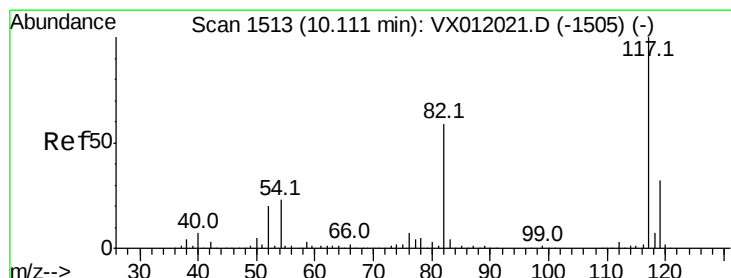
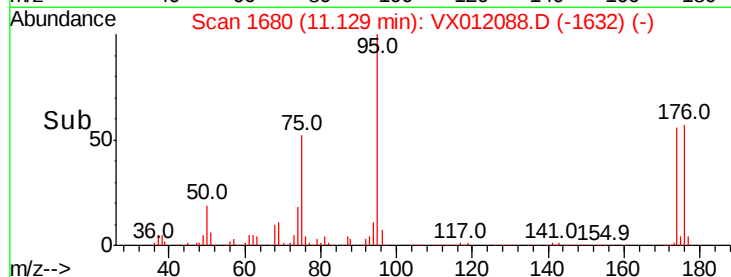
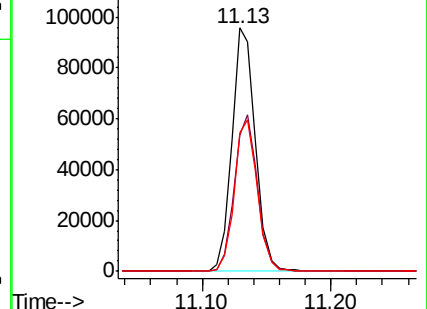
176 61.3 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX012021.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012021.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012021.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012088.D

Acq: 05 Sep 2019 08:57

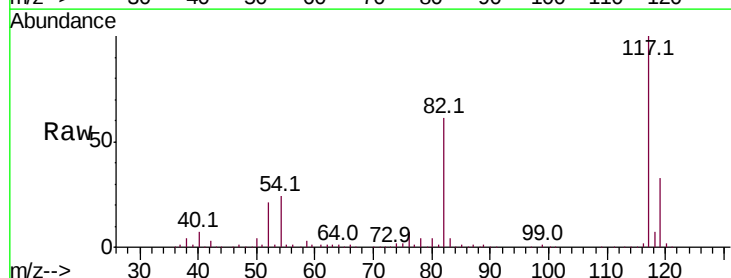
Tgt Ion: 117 Resp: 229811

Ion Ratio Lower Upper

117 100

82 60.9 39.4 59.0#

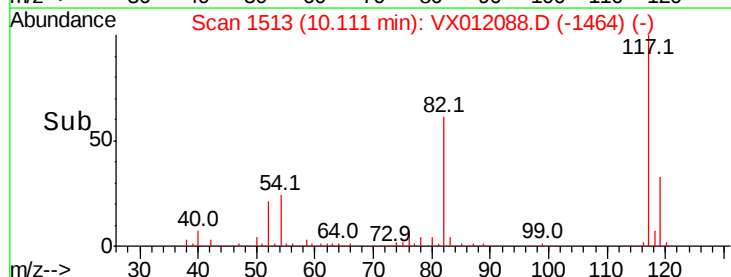
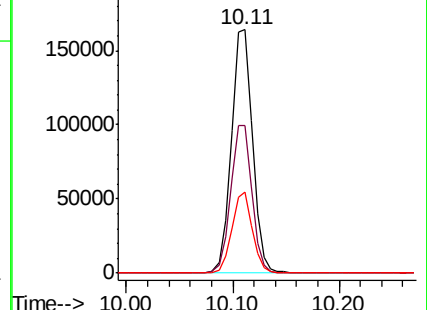
119 33.3 26.1 39.1

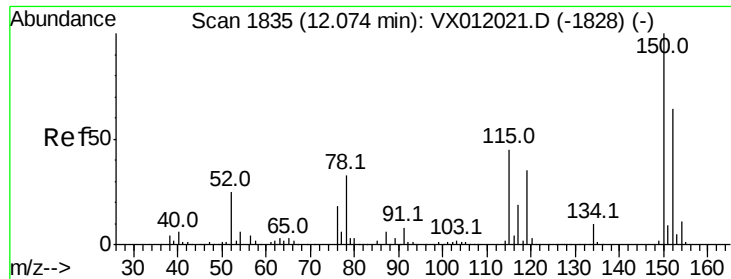


Abundance Ion 116.90 (116.60 to 117.60): VX012021.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012021.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012021.D (-1505) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012088.D

Acq: 05 Sep 2019 08:57

Instrument :

MSVOA_X

ClientSampleId :

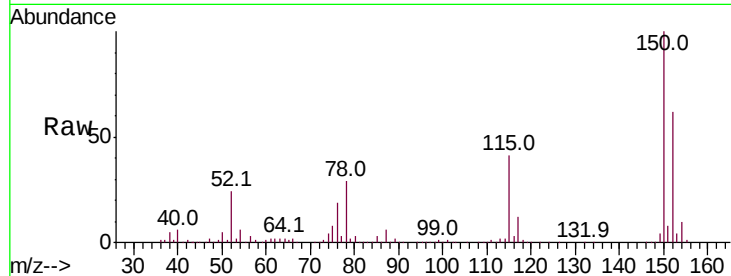
Tot Ion:152 Resp: 97838

Ion Ratio Lower Upper

152 100

115 65.7 36.4 109.3

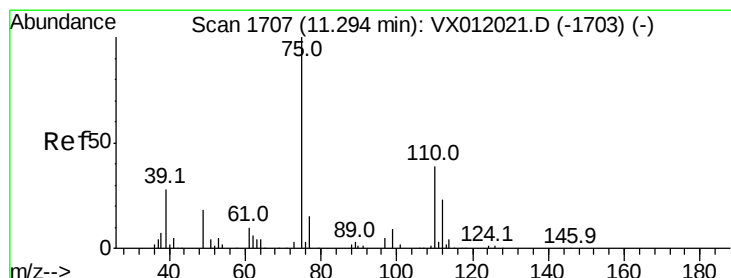
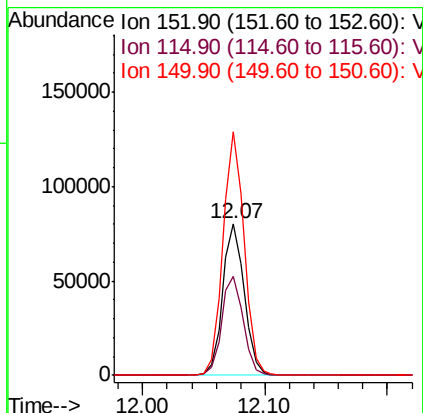
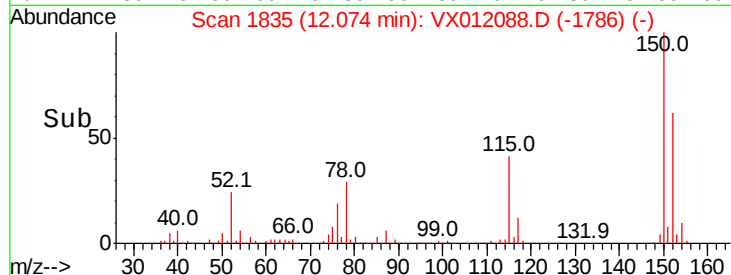
150 157.7 0.0 341.2



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: 53.754 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012088.D

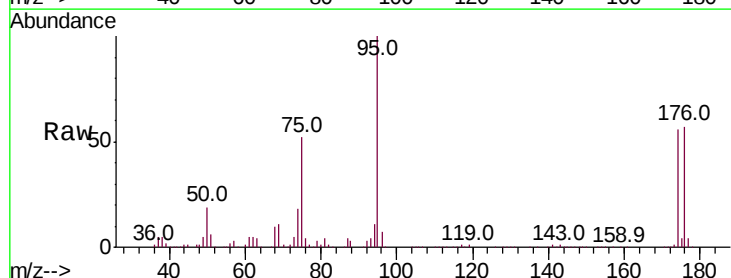
Acq: 05 Sep 2019 08:57

Tgt Ion: 75 Resp: 64259

Ion Ratio Lower Upper

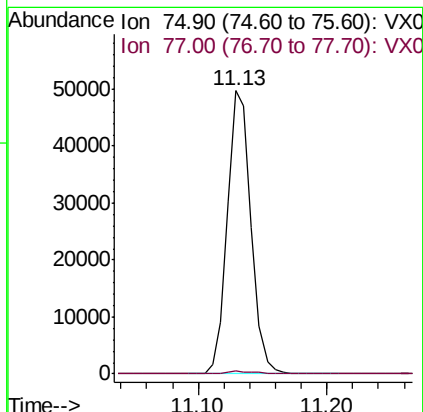
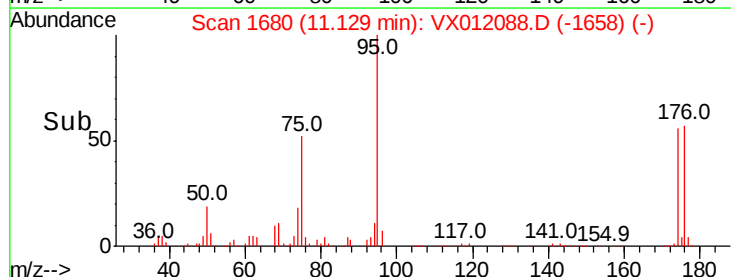
75 100

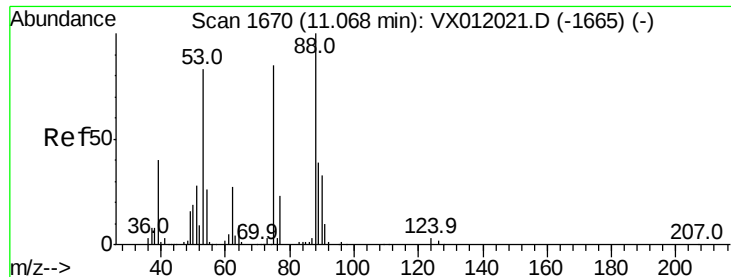
77 1.2 23.5 70.5#



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: 127.082 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX012088.D
 Acq: 05 Sep 2019 08:57

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 64259
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.6 117.8#
 89 0.0 38.8 58.2#

