

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090519\
 Data File : VX012138.D
 Acq On : 06 Sep 2019 09:51
 Operator : SY/SP
 Sample : K4580-13
 Misc : 3.55g/5.0mL/MSVOA X/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 06 11:32:14 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	141607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	251090	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	213649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	84741	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	100240	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
35) Dibromofluoromethane	5.48	113	73775	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
50) Toluene-d8	8.71	98	293077	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
62) 4-Bromofluorobenzene	11.13	95	111763	42.41	ug/l	0.00
Spiked Amount			Recovery	=	84.82%	

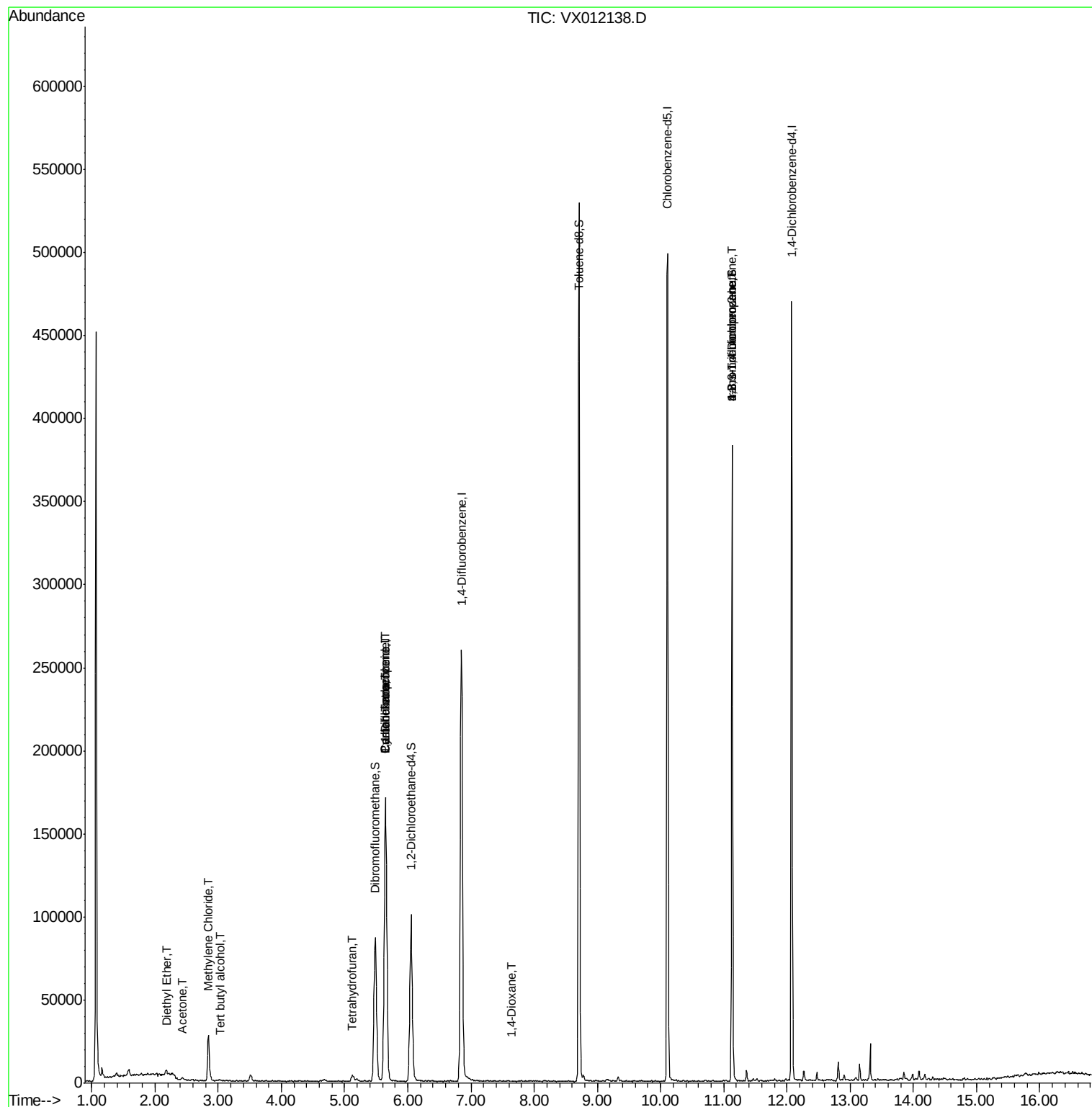
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.19	74	965	1.429	ug/l	70
11) Tert butyl alcohol	3.03	59	807	4.300	ug/l	100
13) Acrolein	2.28	56	432	Below Cal	#	66
16) Acetone	2.43	43	1626	3.482	ug/l	91
20) Methylene Chloride	2.84	84	13483	7.189	ug/l	95
29) Tetrahydrofuran	5.12	42	3636	10.151	ug/l #	82
31) Cyclohexane	5.64	56	3953	1.650	ug/l #	23
36) 1,1-Dichloropropene	5.64	75	12878	5.823	ug/l #	50
38) Carbon Tetrachloride	5.65	117	17107	7.341	ug/l #	15
49) 1,4-Dioxane	7.63	88	43	2.566	ug/l #	18
76) 1,2,3-Trichloropropane	11.13	75	59277	57.250	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	59277	135.348	ug/l #	10

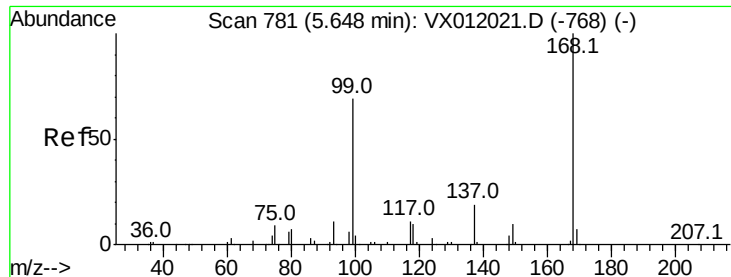
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090519\
Data File : VX012138.D
Acq On : 06 Sep 2019 09:51
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MSVOA_X
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Quant Time: Sep 06 11:32:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
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: VX012138.D

Acq: 06 Sep 2019 09:51

Instrument :

MSVOA_X

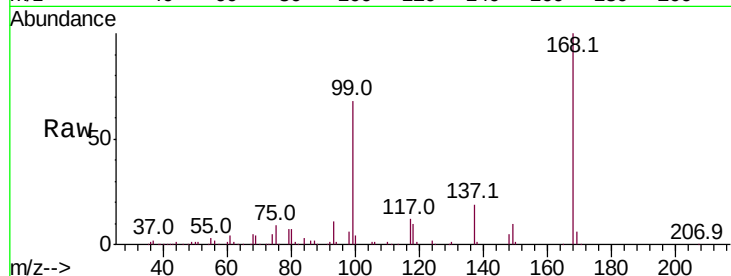
ClientSampled :

Tot Ion:168 Resp: 141607

Ion Ratio Lower Upper

168 100

99 68.0 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

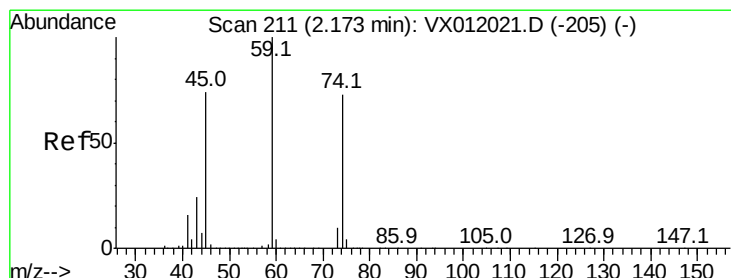
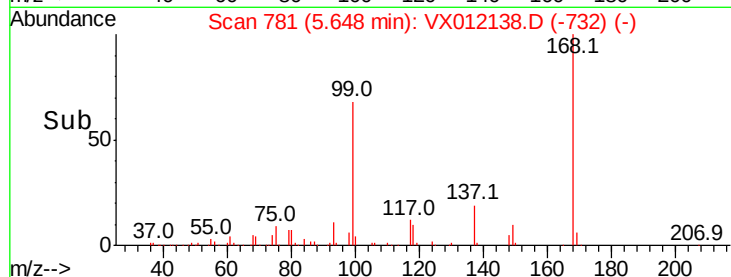
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.429 ug/l

RT: 2.19 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX012138.D

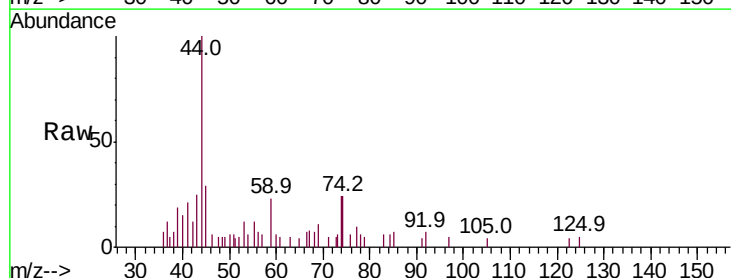
Acq: 06 Sep 2019 09:51

Tgt Ion: 74 Resp: 965

Ion Ratio Lower Upper

74 100

45 119.9 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

800

600

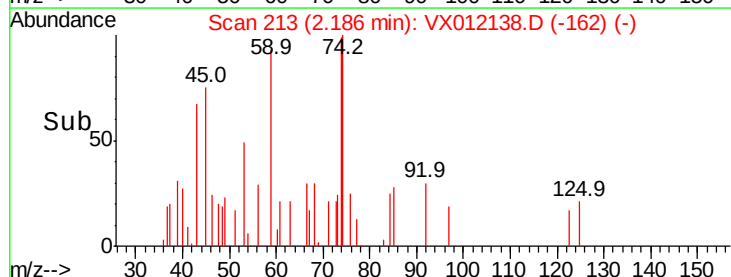
400

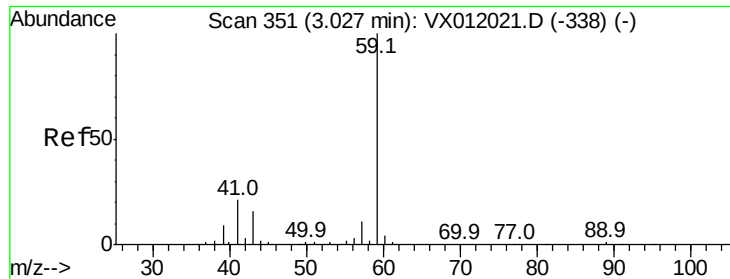
200

0

Time-->

2.10 2.15 2.20

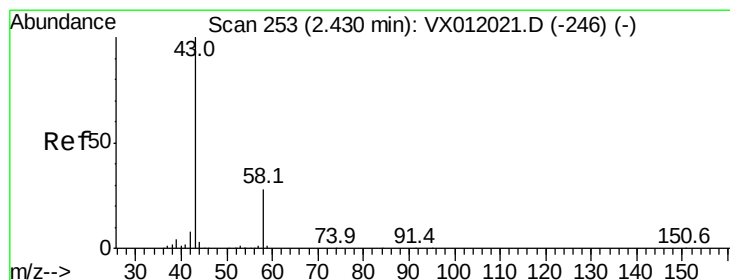
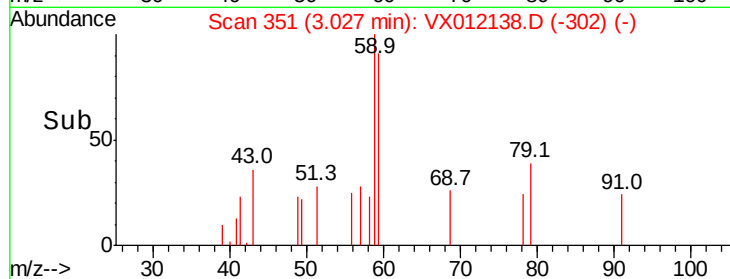
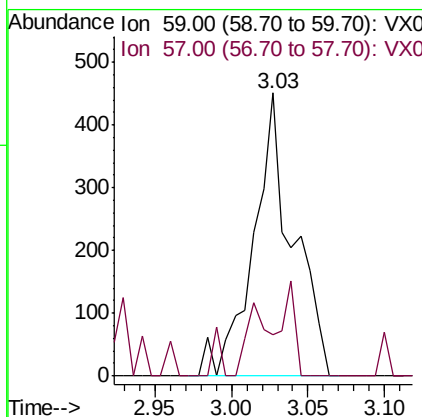
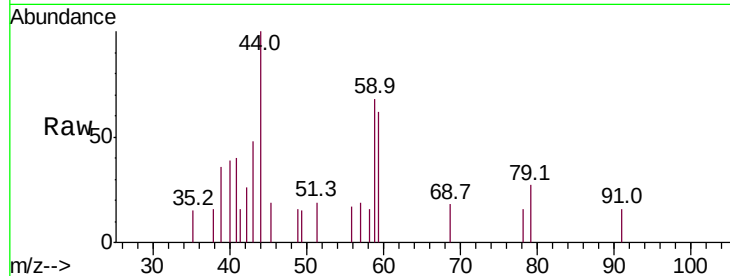




#11
Tert butyl alcohol
Concen: 4.300 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX012138.D
Acq: 06 Sep 2019 09:51

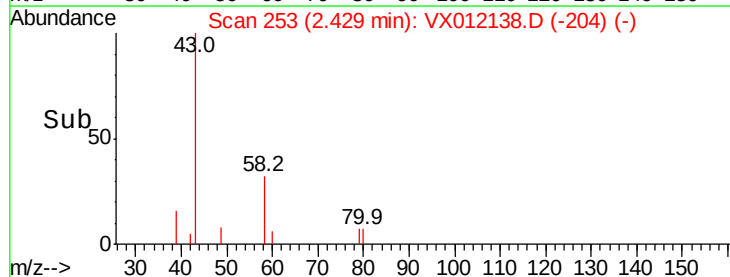
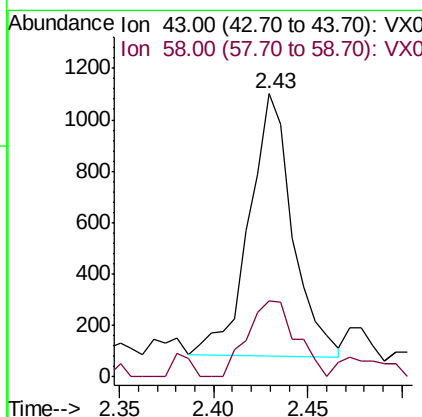
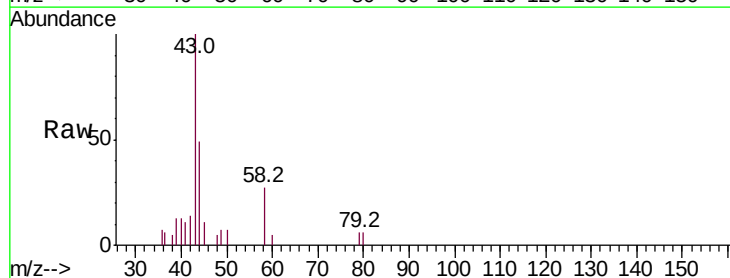
Instrument :
MSVOA_X
ClientSampled :

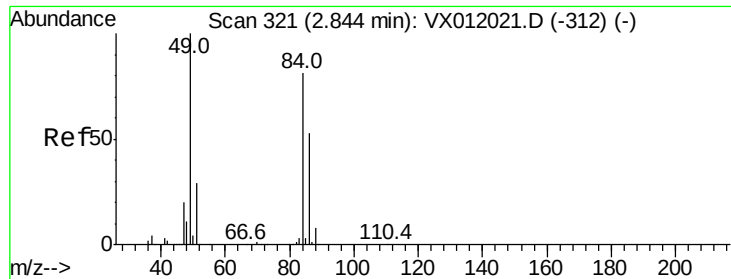
Tot Ion: 59 Resp: 807
Ion Ratio Lower Upper
59 100
57 10.0 7.9 11.9



#16
Acetone
Concen: 3.482 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX012138.D
Acq: 06 Sep 2019 09:51

Tgt Ion: 43 Resp: 1626
Ion Ratio Lower Upper
43 100
58 23.9 22.8 34.2

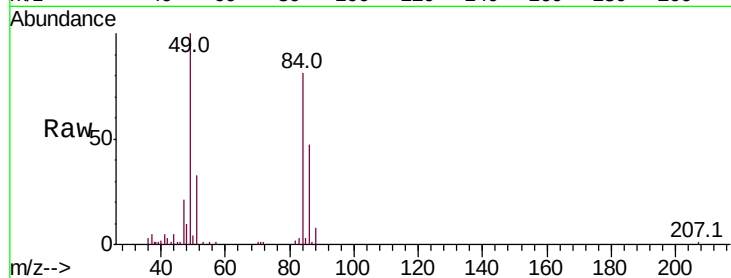




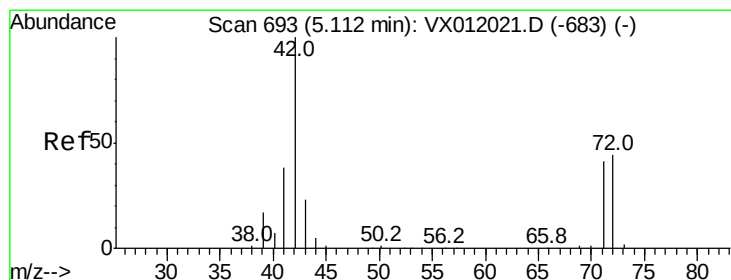
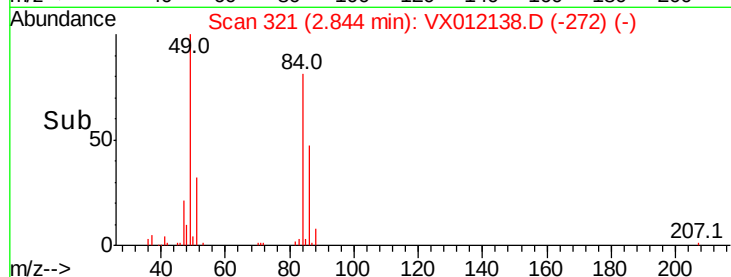
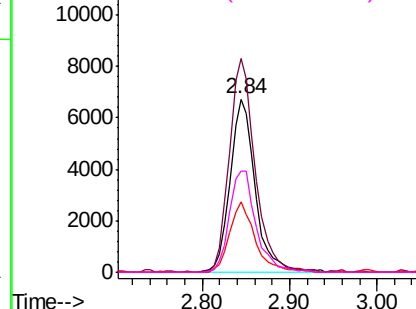
#20
Methylene Chloride
Concen: 7.189 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012138.D
Acq: 06 Sep 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 13483
Ion Ratio Lower Upper
84 100
49 123.3 95.8 143.8
51 40.7 28.6 43.0
86 58.2 50.9 76.3

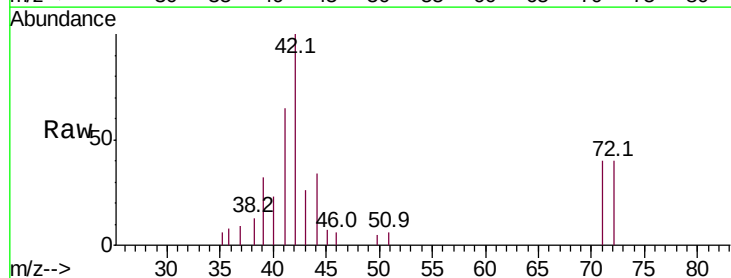


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

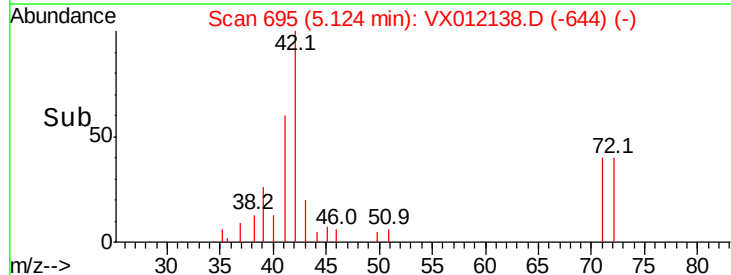
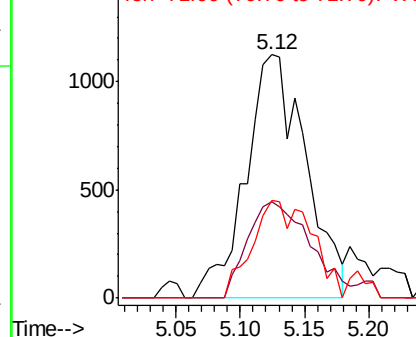


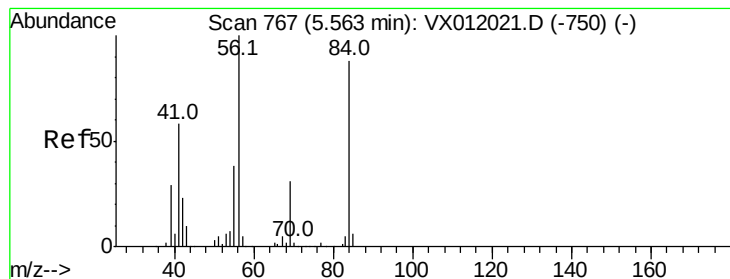
#29
Tetrahydrofuran
Concen: 10.151 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012138.D
Acq: 06 Sep 2019 09:51

Tgt Ion: 42 Resp: 3636
Ion Ratio Lower Upper
42 100
72 41.4 37.0 55.4
71 23.3 33.8 50.8#



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





#31

Cyclohexane

Concen: 1.650 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.08 min

Lab File: VX012138.D

Acq: 06 Sep 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

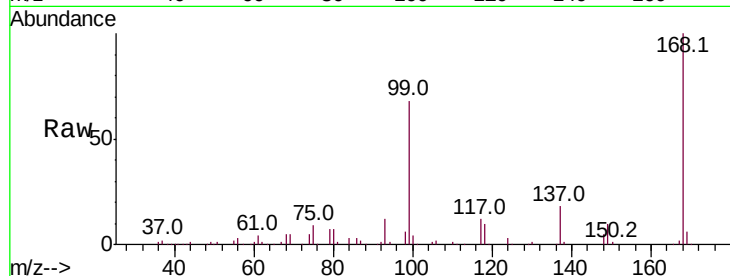
Tot Ion: 56 Resp: 3953

Ion Ratio Lower Upper

56 100

69 167.1 25.7 38.5#

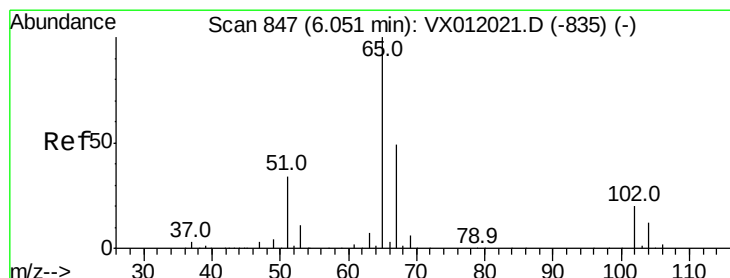
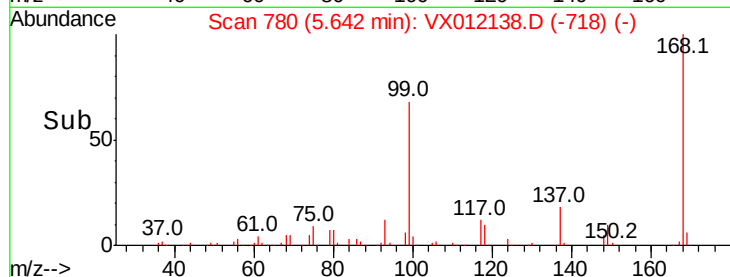
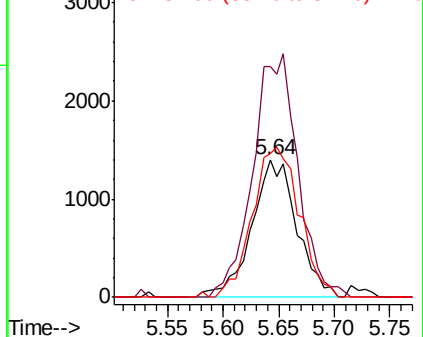
84 104.0 70.3 105.5



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: 51.303 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012138.D

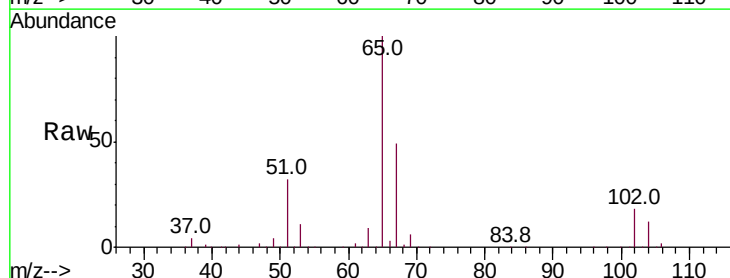
Acq: 06 Sep 2019 09:51

Tgt Ion: 65 Resp: 100240

Ion Ratio Lower Upper

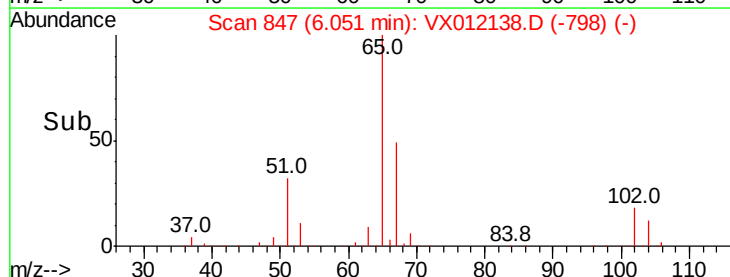
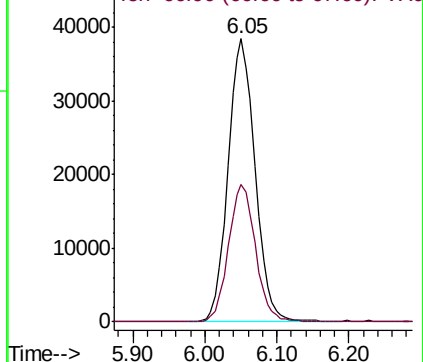
65 100

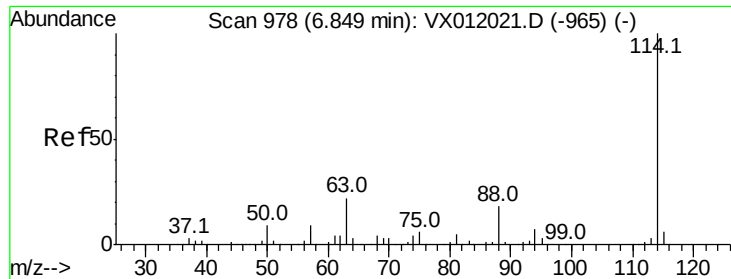
67 48.8 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

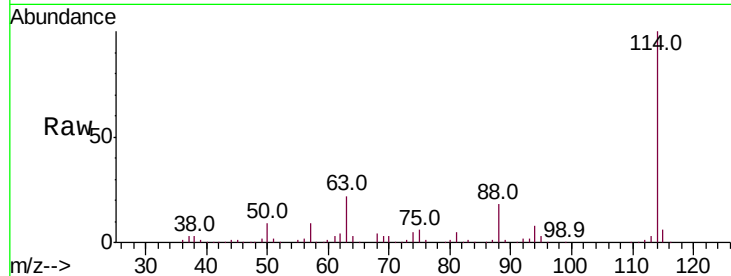




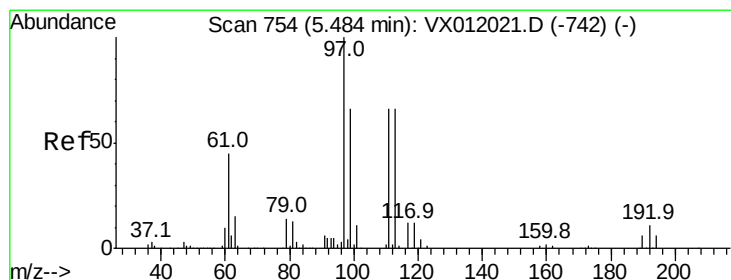
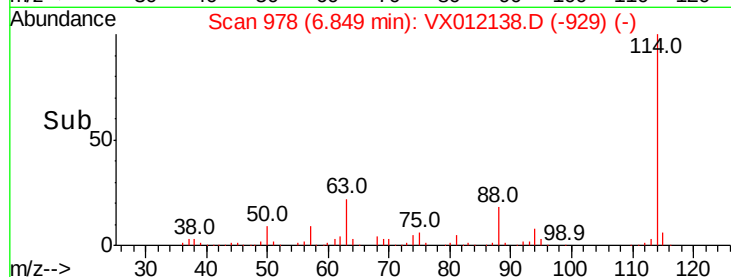
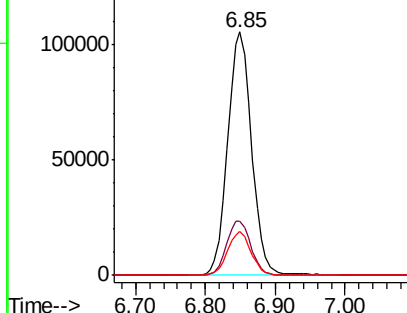
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012138.D
 Acq: 06 Sep 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	37.4
88	18.1	0.0	29.6

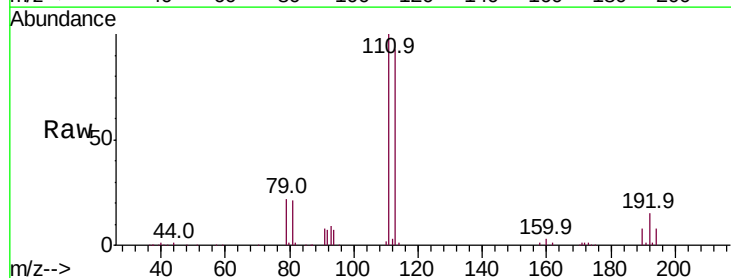


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

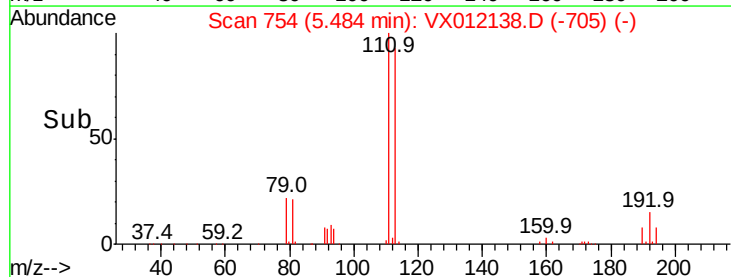
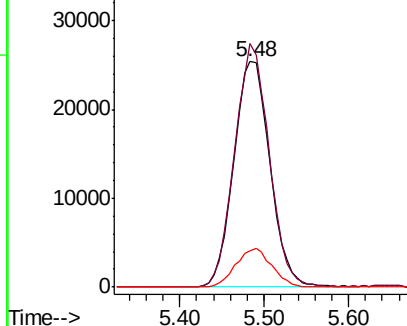


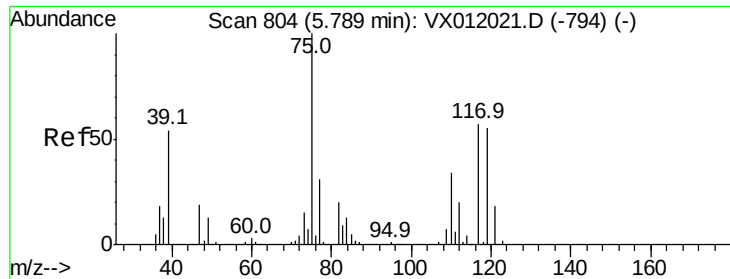
#35
 Dibromofluoromethane
 Concen: 47.778 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012138.D
 Acq: 06 Sep 2019 09:51

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.7	122.5
192	17.0	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

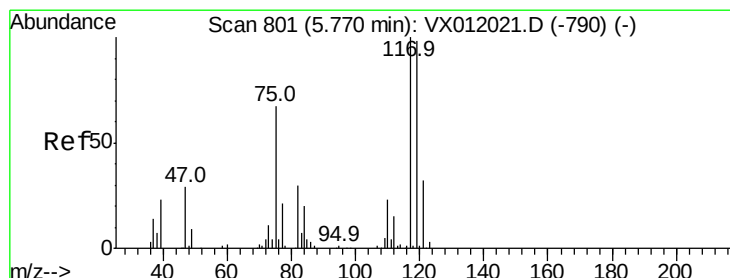
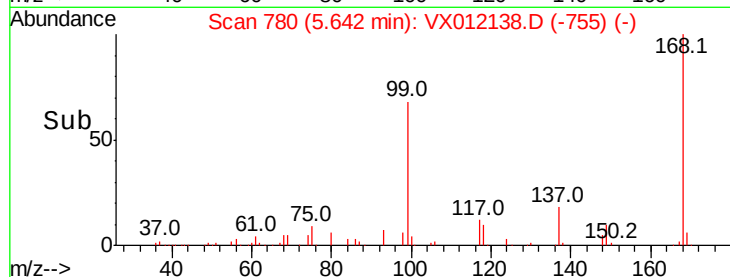
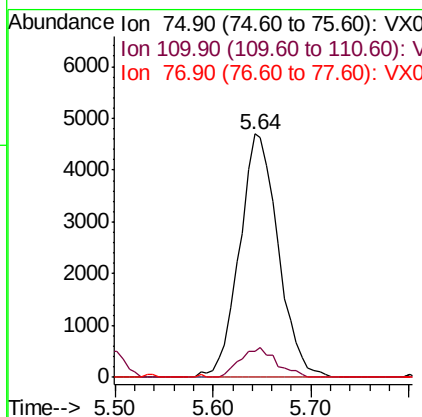
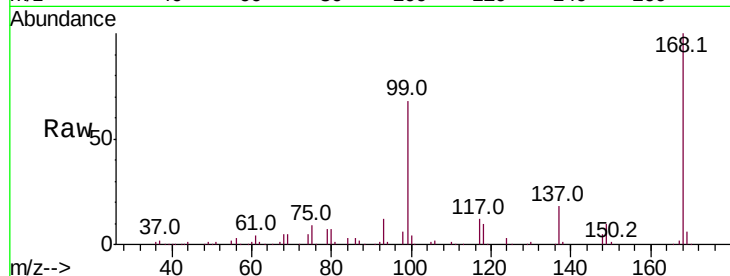




#36
 1,1-Dichloropropene
 Concen: 5.823 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012138.D
 Acq: 06 Sep 2019 09:51

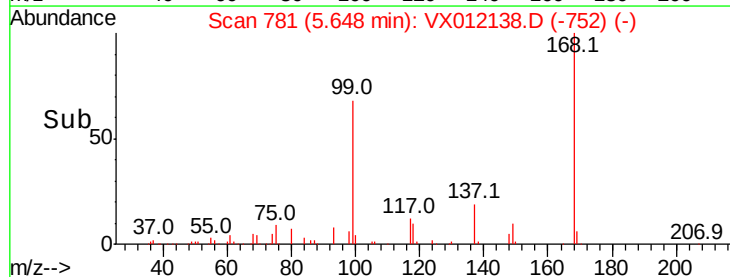
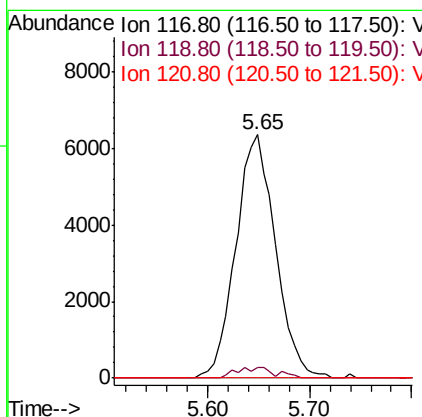
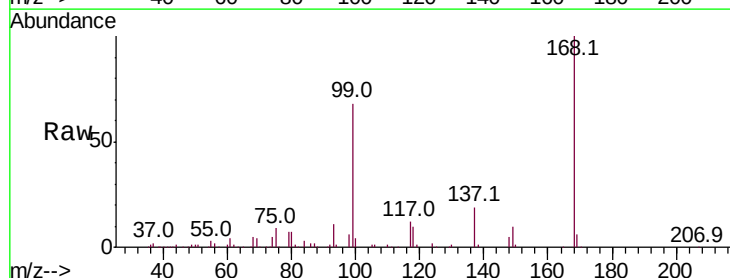
Instrument :
 MSVOA_X
 ClientSampleId :

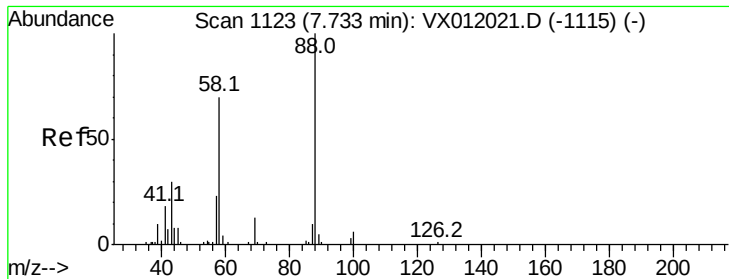
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.6	19.5	58.5#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 7.341 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012138.D
 Acq: 06 Sep 2019 09:51

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

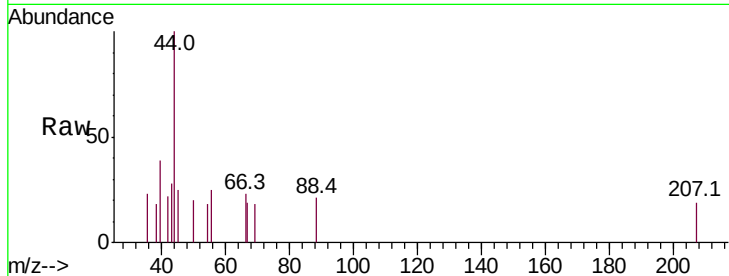




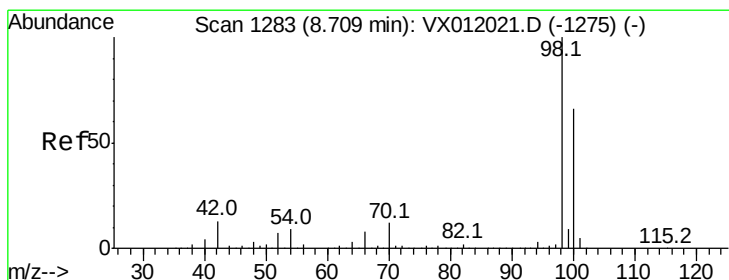
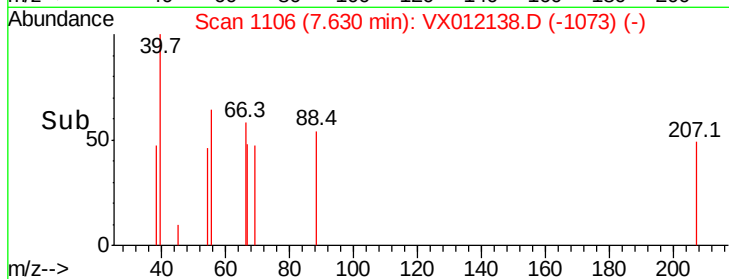
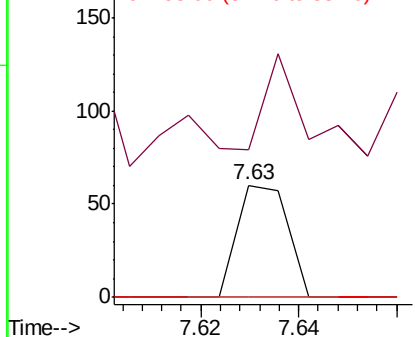
#49
1,4-Dioxane
Concen: 2.566 ug/l
RT: 7.63 min Scan# 1106
Delta R.T. -0.10 min
Lab File: VX012138.D
Acq: 06 Sep 2019 09:51

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 43
Ion Ratio Lower Upper
88 100
43 83.7 29.8 44.6#
58 0.0 55.4 83.2#

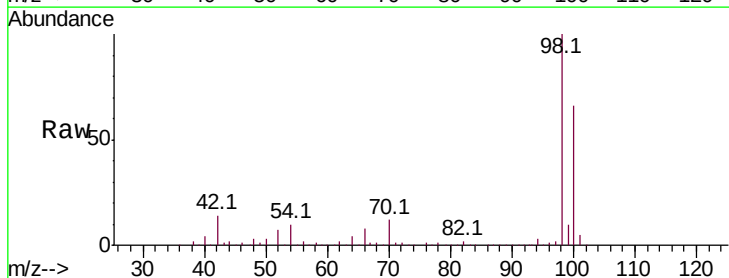


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

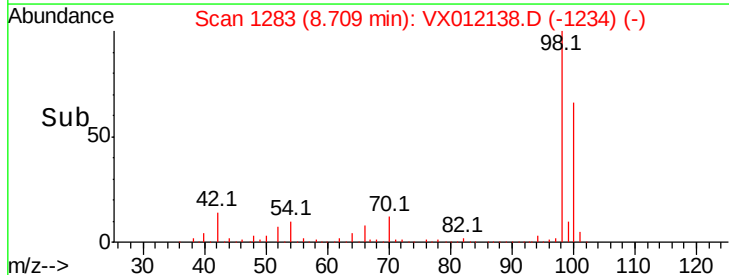
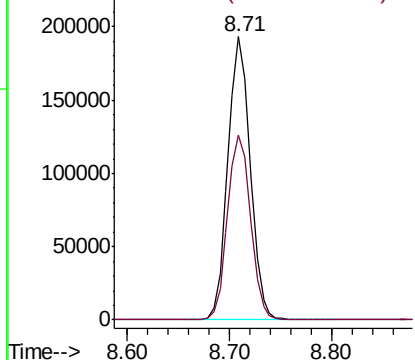


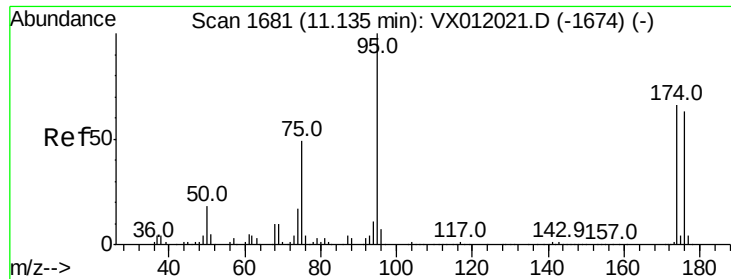
#50
Toluene-d8
Concen: 51.723 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012138.D
Acq: 06 Sep 2019 09:51

Tgt Ion: 98 Resp: 293077
Ion Ratio Lower Upper
98 100
100 67.4 53.3 79.9



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





#62

4-Bromofluorobenzene

Concen: 42.412 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012138.D

Acq: 06 Sep 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

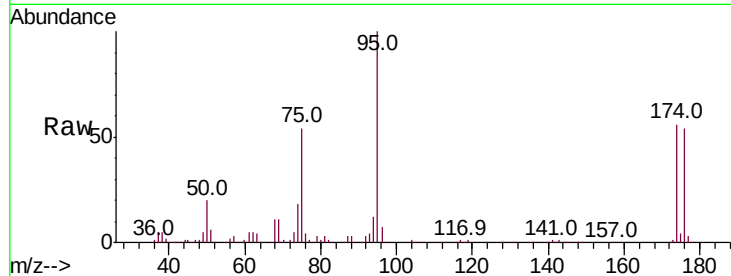
Tot Ion: 95 Resp: 111763

Ion Ratio Lower Upper

95 100

174 64.0 0.0 205.4

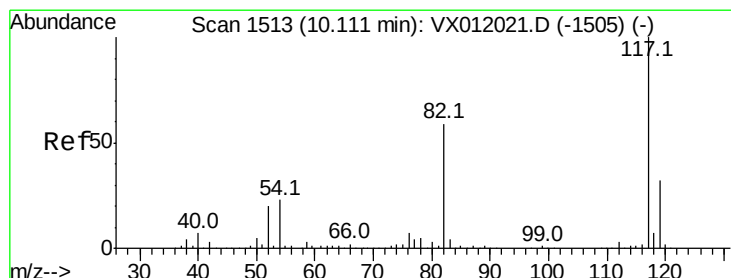
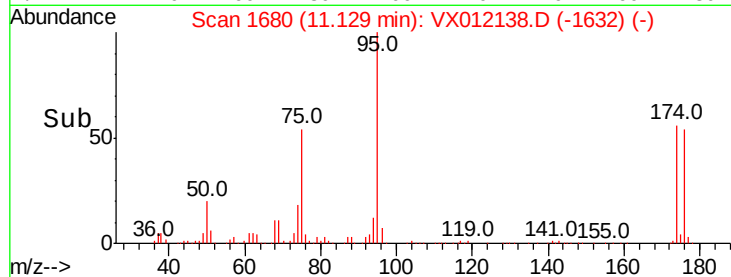
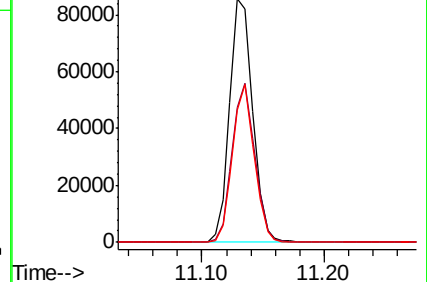
176 61.1 0.0 201.8



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: VX012138.D

Acq: 06 Sep 2019 09:51

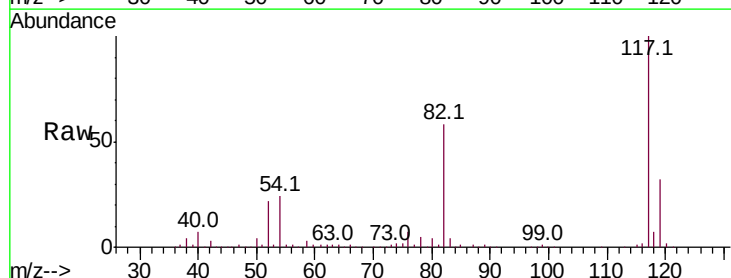
Tgt Ion: 117 Resp: 213649

Ion Ratio Lower Upper

117 100

82 58.0 39.4 59.0

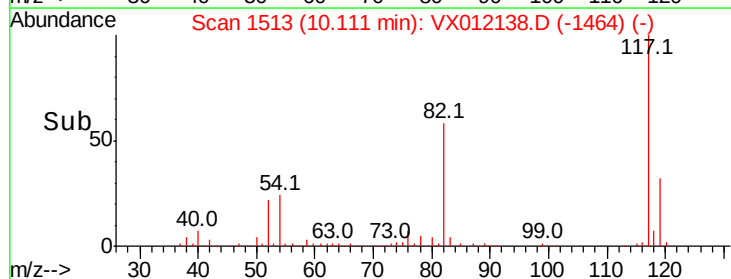
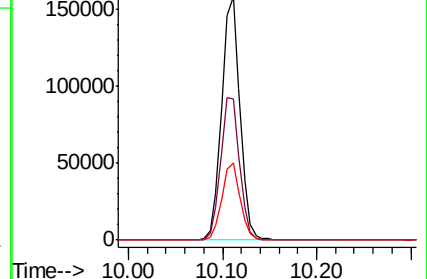
119 32.0 26.1 39.1

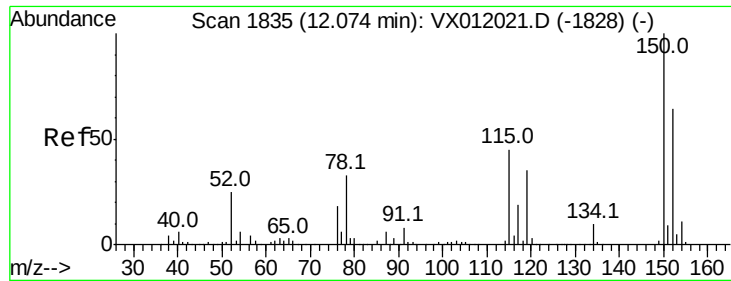


Abundance Ion 116.90 (116.60 to 117.60): VX012021.D (-1505) (-)

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: VX012138.D

Acq: 06 Sep 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

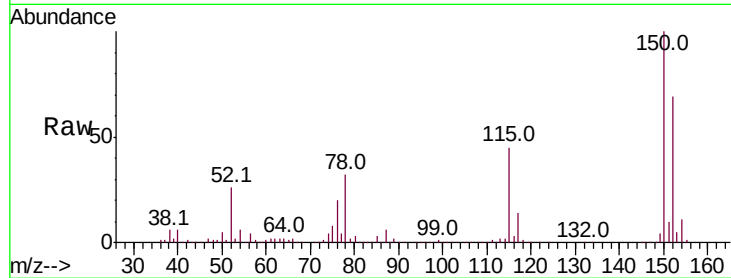
Tot Ion:152 Resp: 84741

Ion Ratio Lower Upper

152 100

115 67.1 36.4 109.3

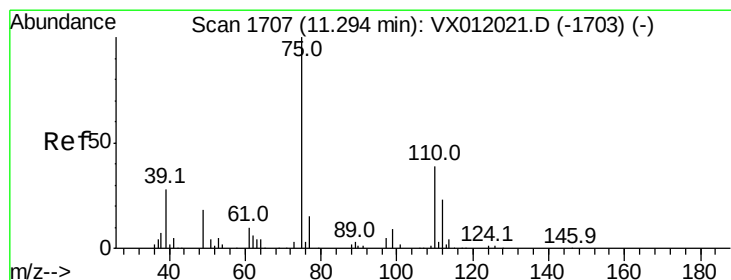
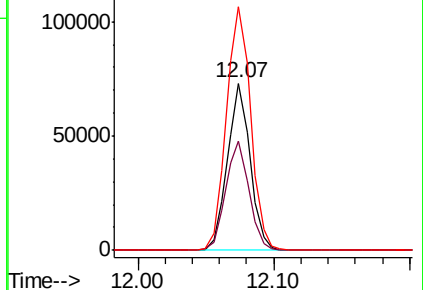
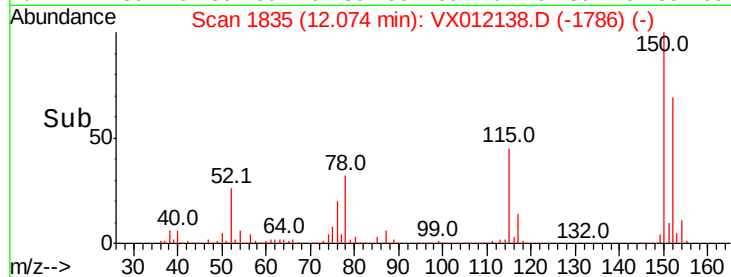
150 155.9 0.0 341.2



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: 57.250 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012138.D

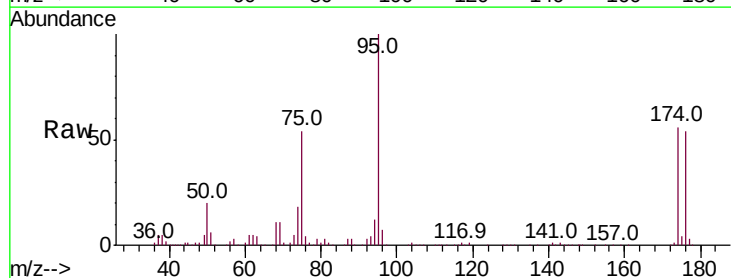
Acq: 06 Sep 2019 09:51

Tgt Ion: 75 Resp: 59277

Ion Ratio Lower Upper

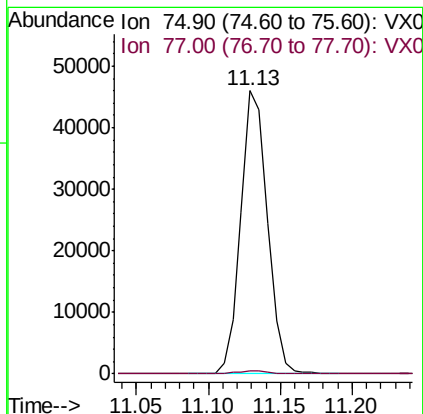
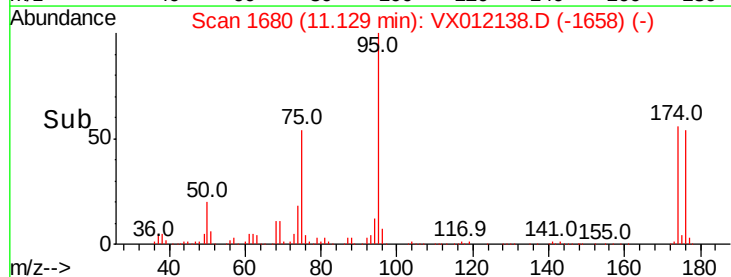
75 100

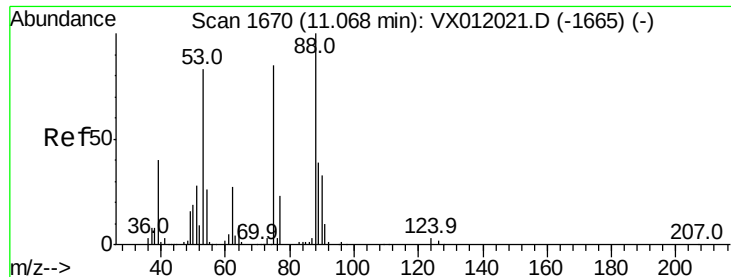
77 1.3 23.5 70.5#



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: 135.348 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX012138.D
 Acq: 06 Sep 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 59277
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.6 117.8#
 89 0.1 38.8 58.2#

