

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
 Data File : VX012093.D
 Acq On : 05 Sep 2019 11:32
 Operator : SY/SP
 Sample : VX0905SBL01
 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBL01

Quant Time: Sep 06 05:40:08 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	5.64	168	154074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	265756	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	225787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99855	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	84793	39.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	79.78%	
35) Dibromofluoromethane	5.48	113	74886	45.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.64%	
50) Toluene-d8	8.71	98	312586	52.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	11.14	95	119003	42.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	85.34%	

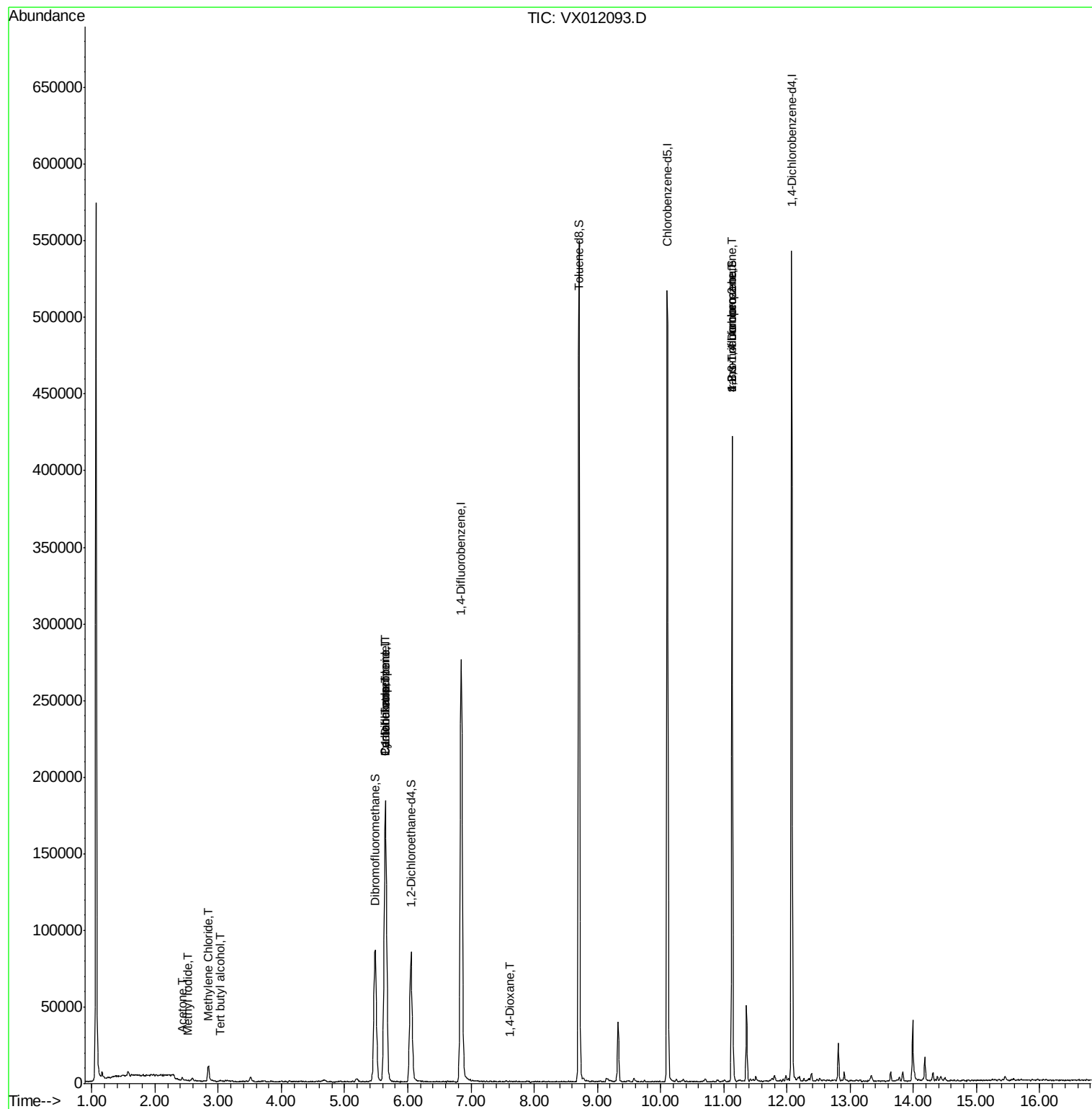
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	305	7.153	ug/l #	70
11) Tert butyl alcohol	3.03	59	350	1.714	ug/l #	1
13) Acrolein	2.30	56	39	Below Cal	#	1
16) Acetone	2.43	43	1951	3.839	ug/l	97
20) Methylene Chloride	2.84	84	4561	2.235	ug/l	90
31) Cyclohexane	5.65	56	4525	1.736	ug/l #	4
36) 1,1-Dichloropropene	5.65	75	14233	6.081	ug/l #	49
38) Carbon Tetrachloride	5.64	117	17350	7.035	ug/l #	16
49) 1,4-Dioxane	7.62	88	19	1.071	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	63595	52.124	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	63595	123.229	ug/l #	10

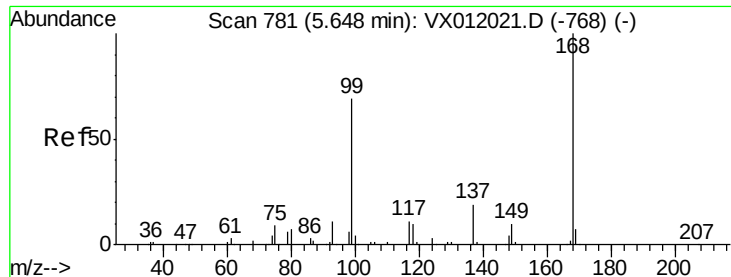
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
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Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VX0905SBL01

Quant Time: Sep 06 05:40:08 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: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012093.D

Acq: 05 Sep 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

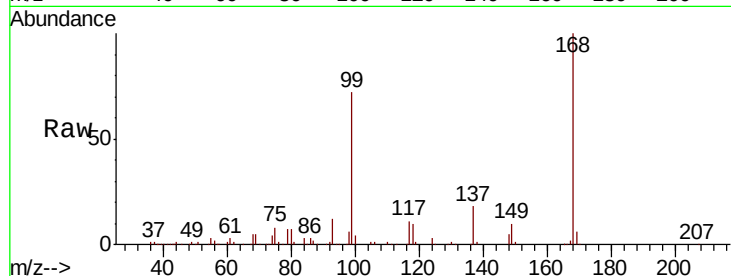
VX0905SBL01

Tgt Ion:168 Resp: 154074

Ion Ratio Lower Upper

168 100

99 71.6 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

60000

50000

40000

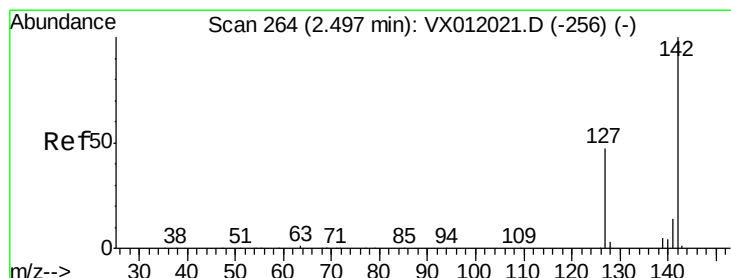
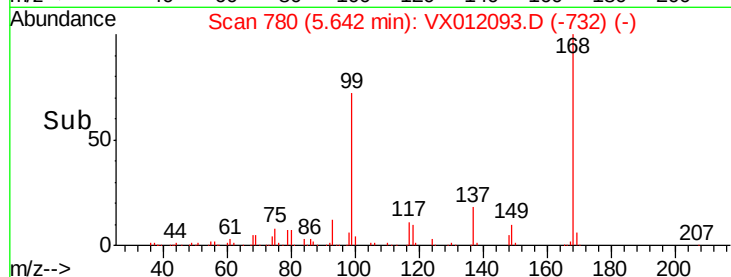
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 7.153 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX012093.D

Acq: 05 Sep 2019 11:32

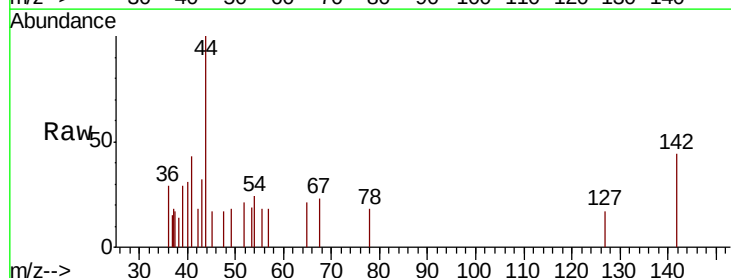
Tgt Ion:142 Resp: 305

Ion Ratio Lower Upper

142 100

127 63.0 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

200

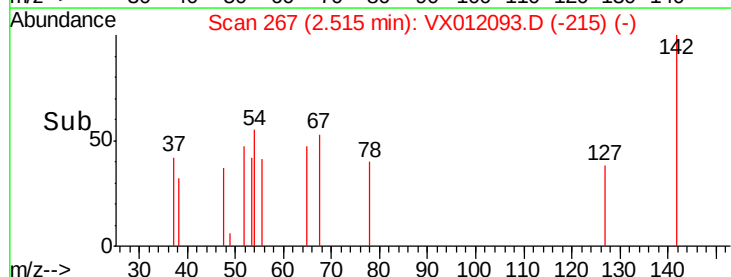
150

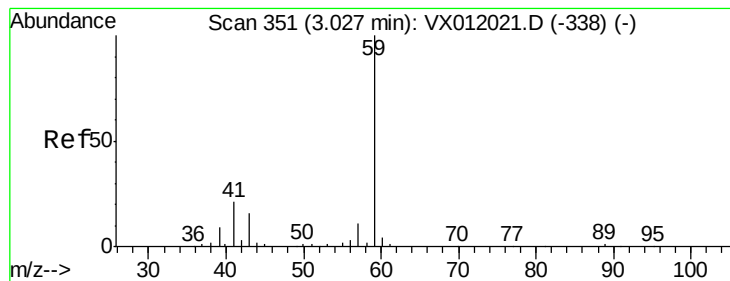
100

50

0

Time--> 2.45 2.50 2.55





#11

Tert butyl alcohol

Concen: 1.714 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX012093.D

Acq: 05 Sep 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

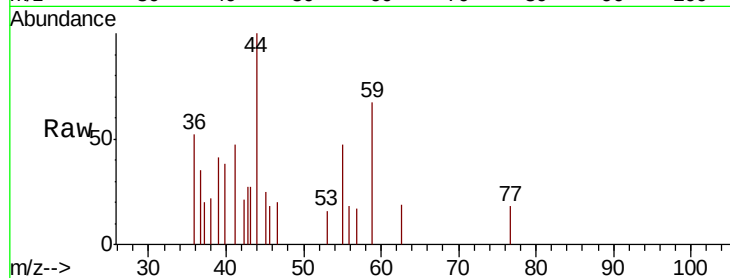
VX0905SBL01

Tgt Ion: 59 Resp: 350

Ion Ratio Lower Upper

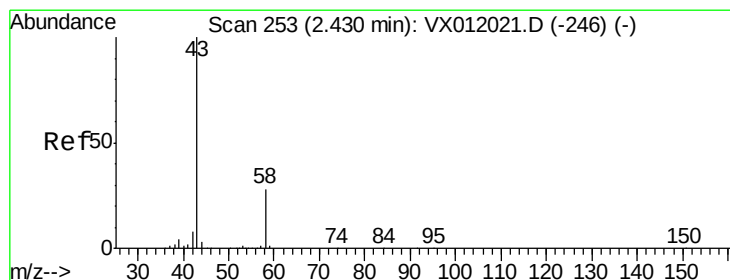
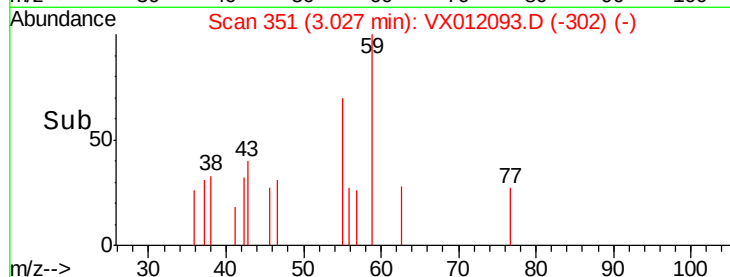
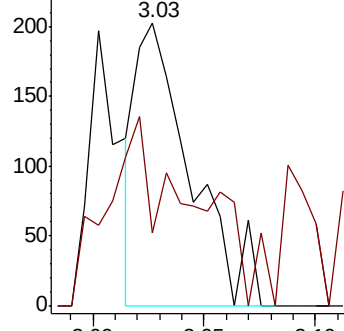
59 100

57 83.1 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: 3.839 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012093.D

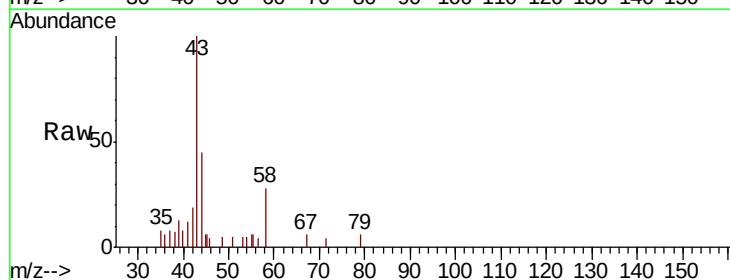
Acq: 05 Sep 2019 11:32

Tgt Ion: 43 Resp: 1951

Ion Ratio Lower Upper

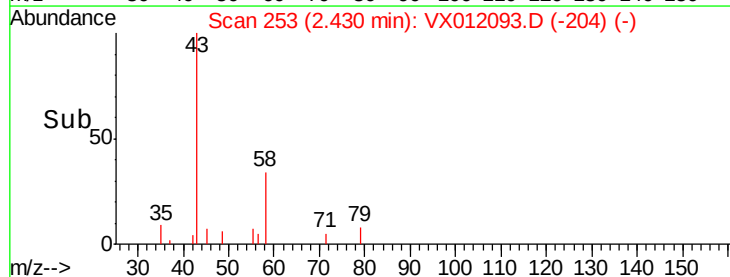
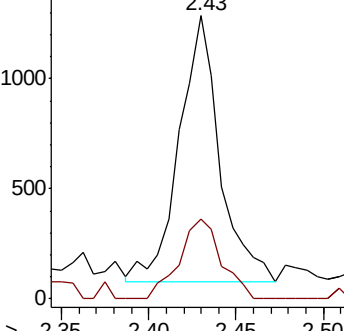
43 100

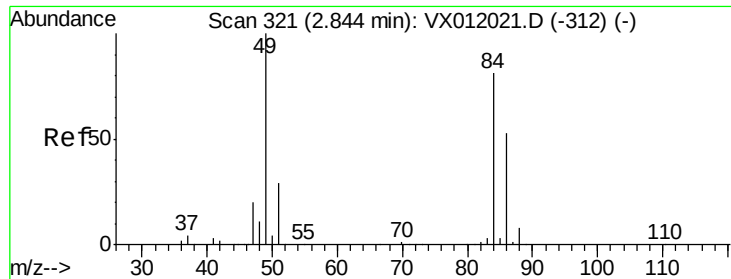
58 29.9 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

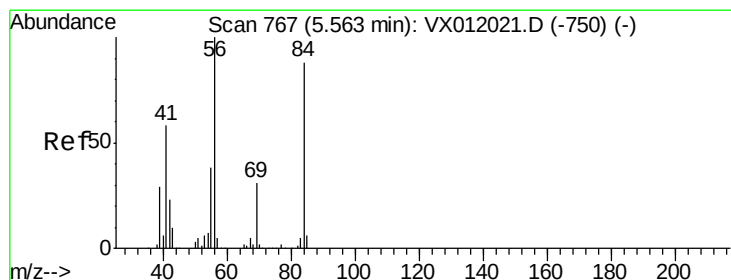
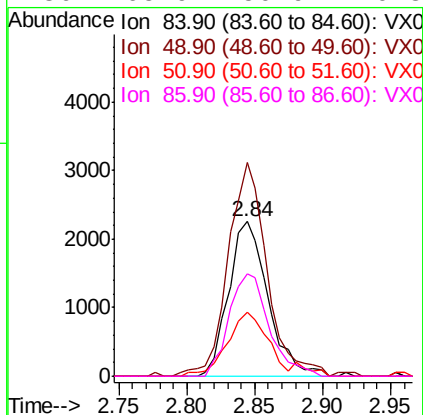
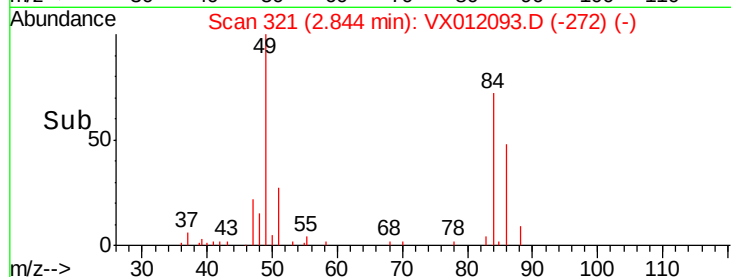
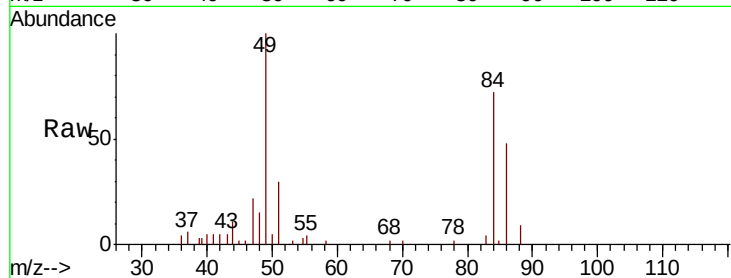




#20
Methylene Chloride
Concen: 2.235 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012093.D
Acq: 05 Sep 2019 11:32

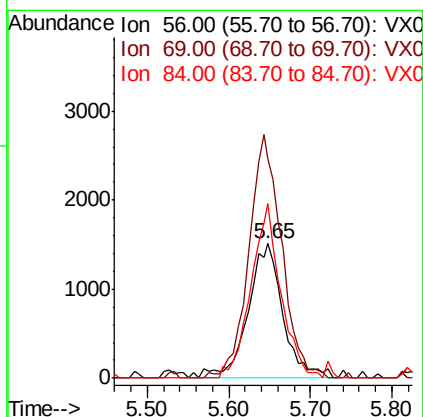
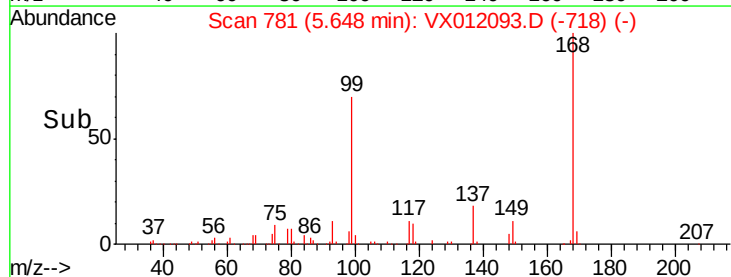
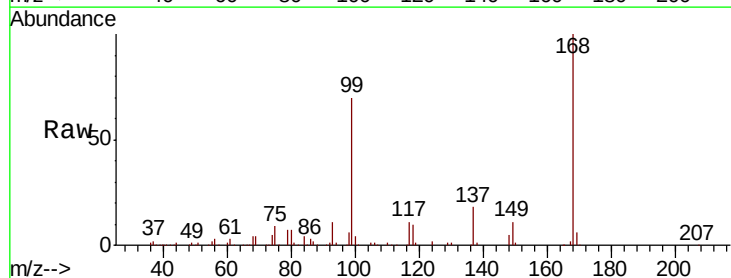
Instrument :
MSVOA_X
ClientSampleId :
VX0905SBL01

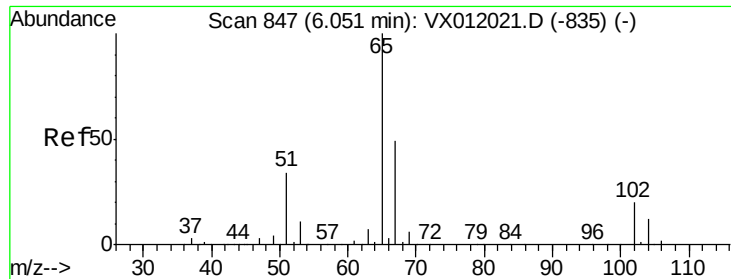
Tgt Ion:	84	Resp:	4561
Ion	Ratio	Lower	Upper
84	100		
49	135.5	95.8	143.8
51	41.1	28.6	43.0
86	65.9	50.9	76.3



#31
Cyclohexane
Concen: 1.736 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.09 min
Lab File: VX012093.D
Acq: 05 Sep 2019 11:32

Tgt Ion:	56	Resp:	4525
Ion	Ratio	Lower	Upper
56	100		
69	162.6	25.7	38.5#
84	129.8	70.3	105.5#

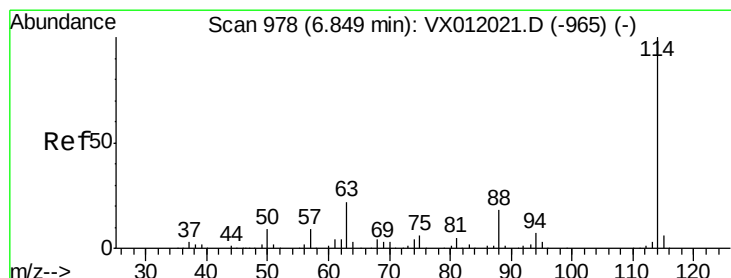
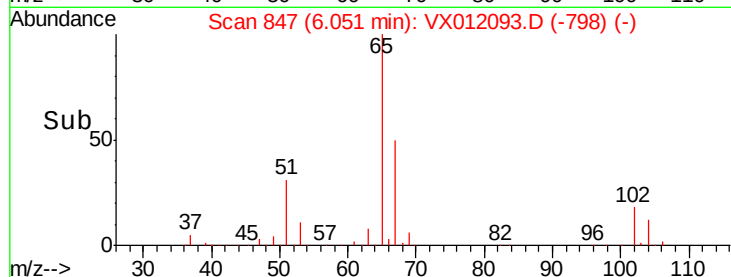
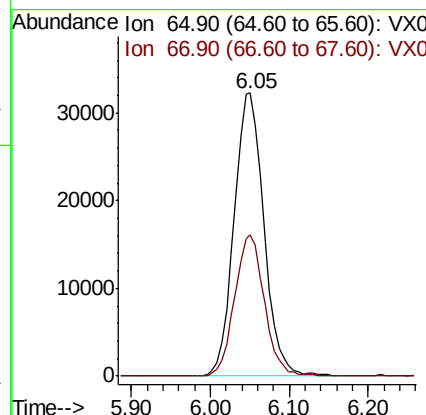
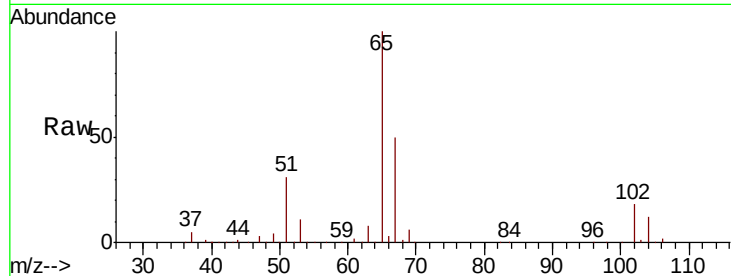




#33
 1,2-Dichloroethane-d4
 Concen: 39.885 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012093.D
 Acq: 05 Sep 2019 11:32

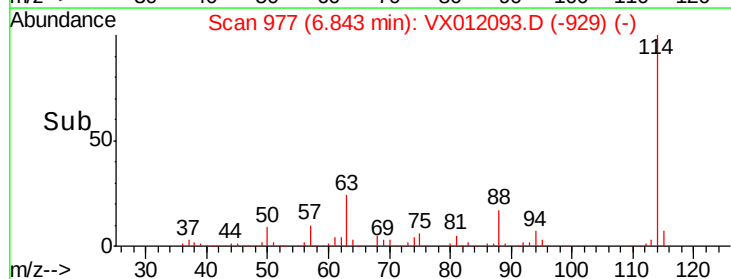
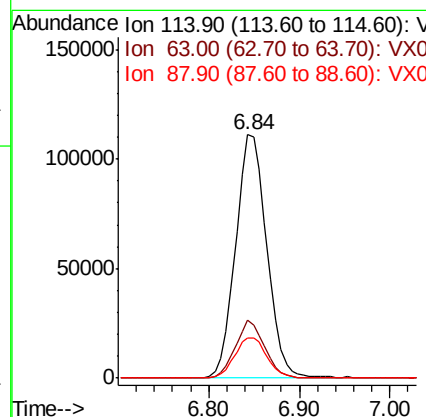
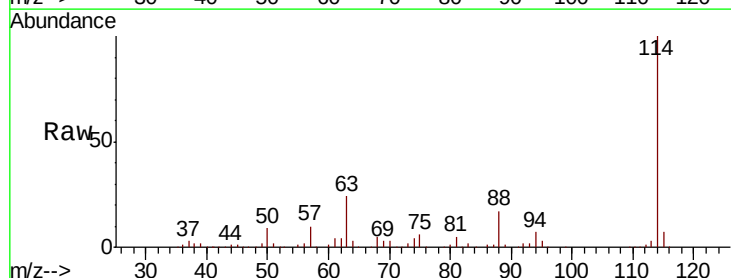
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBL01

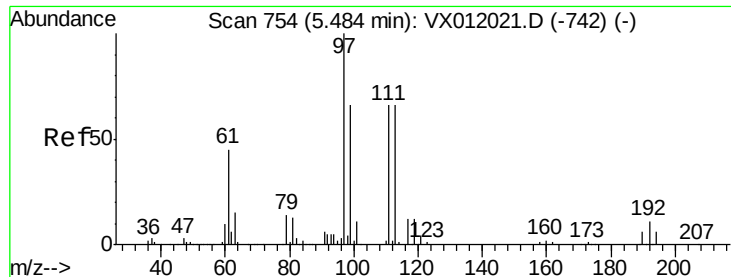
Tgt Ion: 65 Resp: 84793
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX012093.D
 Acq: 05 Sep 2019 11:32

Tgt Ion: 114 Resp: 265756
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 37.4
 88 16.6 0.0 29.6

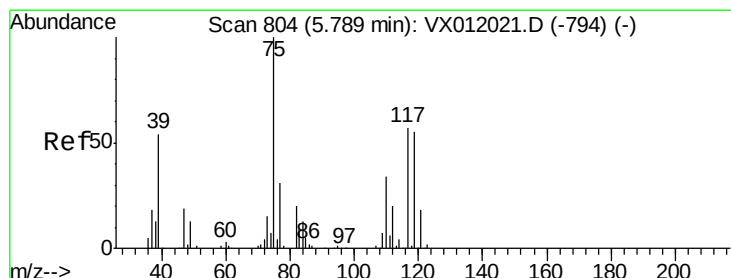
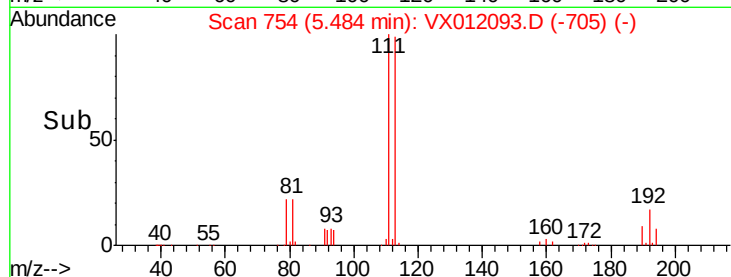
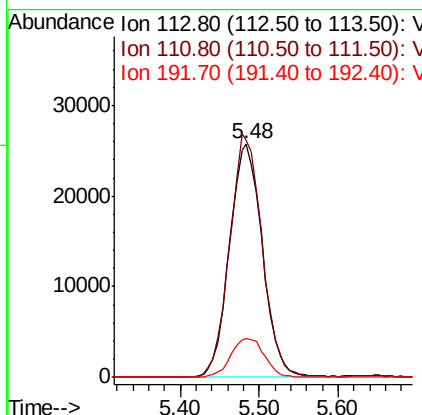
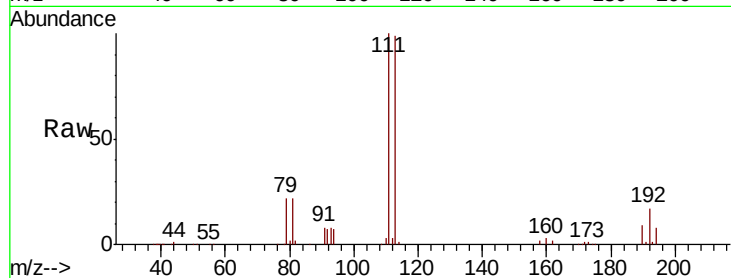




#35
 Dibromofluoromethane
 Concen: 45.821 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012093.D
 Acq: 05 Sep 2019 11:32

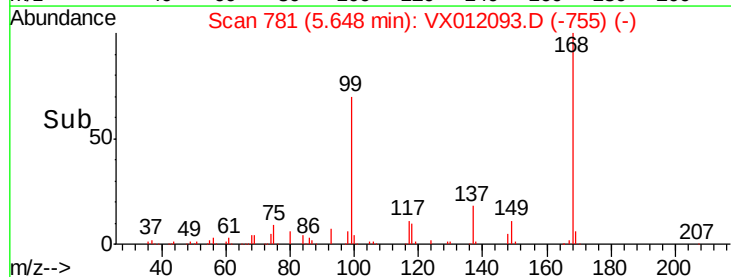
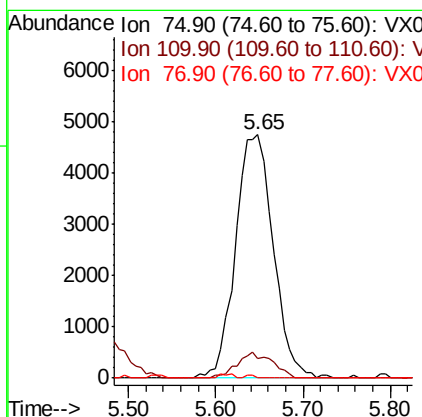
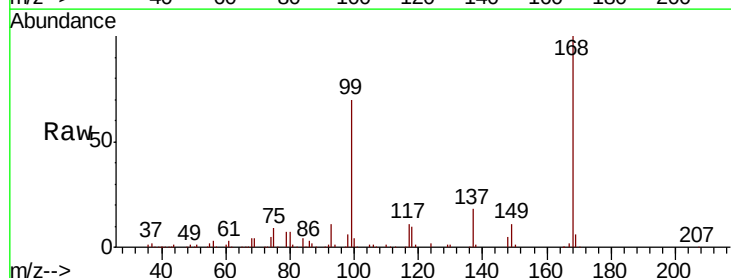
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBL01

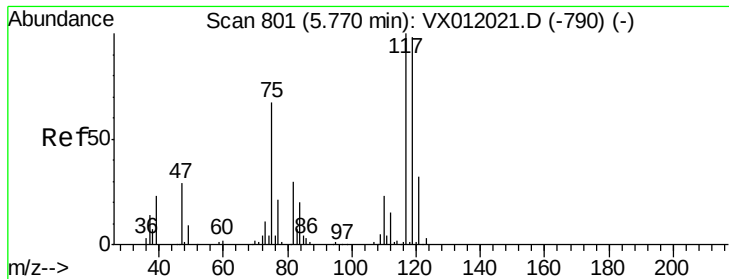
Tgt Ion:113 Resp: 74886
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.7 122.5
 192 17.1 22.5 33.7#



#36
 1,1-Dichloropropene
 Concen: 6.081 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012093.D
 Acq: 05 Sep 2019 11:32

Tgt Ion: 75 Resp: 14233
 Ion Ratio Lower Upper
 75 100
 110 9.9 19.5 58.5#
 77 0.3 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 7.035 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012093.D

Acq: 05 Sep 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBL01

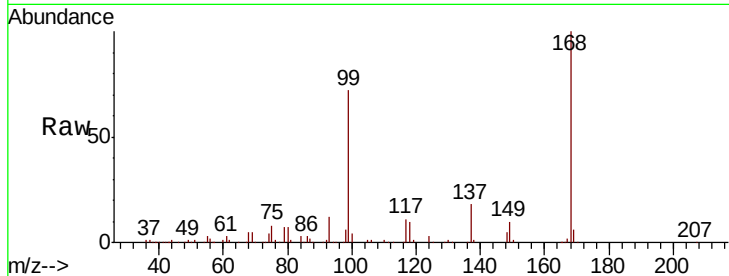
Tgt Ion:117 Resp: 17350

Ion Ratio Lower Upper

117 100

119 5.6 78.3 117.5#

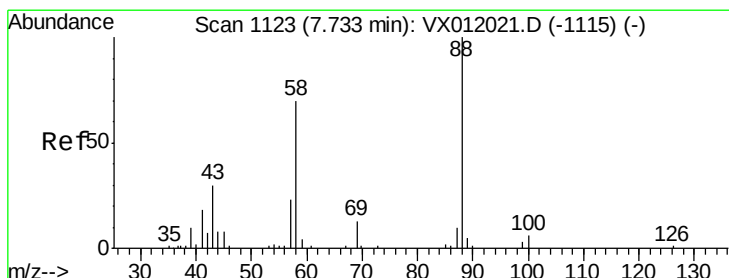
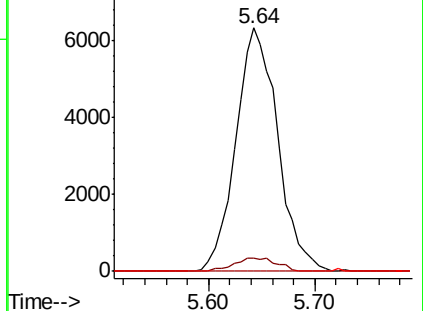
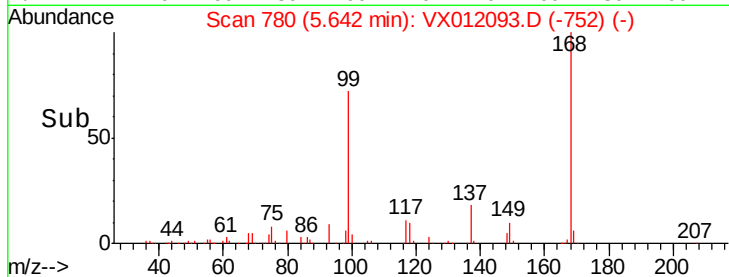
121 0.0 24.2 36.2#



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



#49

1,4-Dioxane

Concen: 1.071 ug/l

RT: 7.62 min Scan# 1104

Delta R.T. -0.11 min

Lab File: VX012093.D

Acq: 05 Sep 2019 11:32

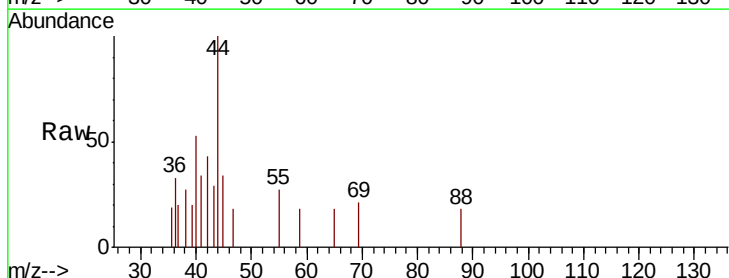
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 147.4 29.8 44.6#

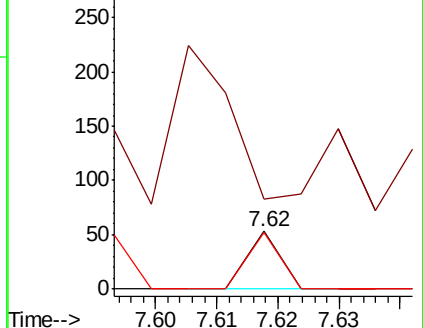
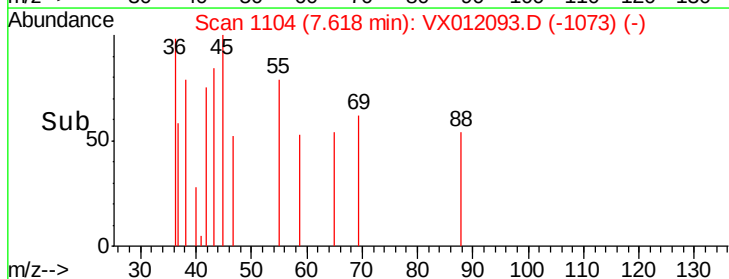
58 100.0 55.4 83.2#

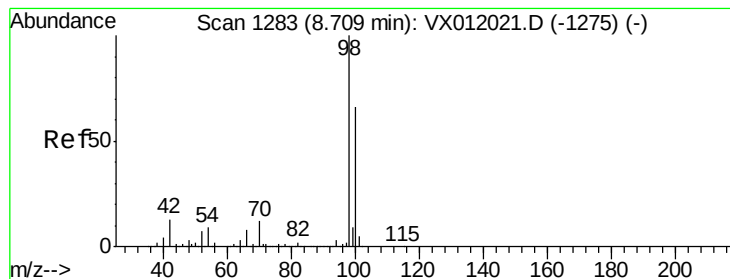


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 52.122 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012093.D

Acq: 05 Sep 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

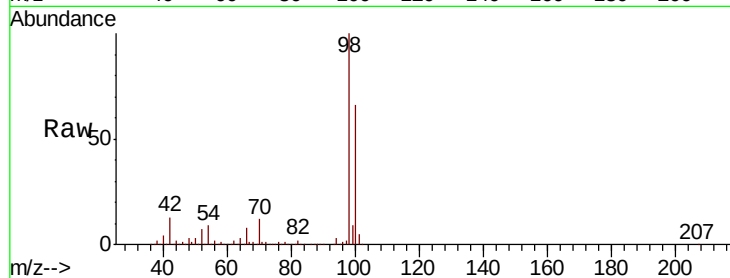
VX0905SBL01

Tgt Ion: 98 Resp: 312586

Ion Ratio Lower Upper

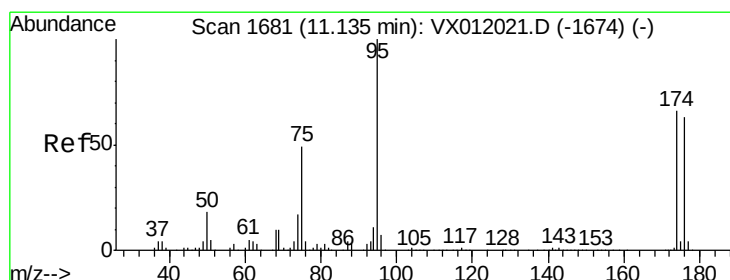
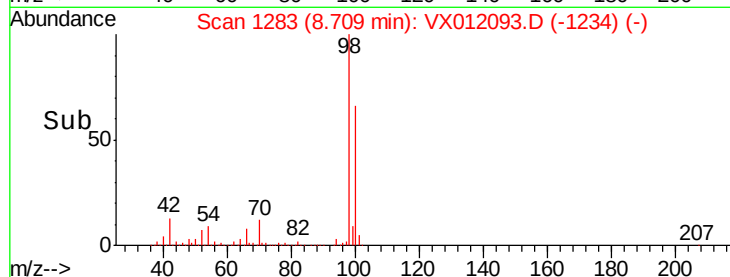
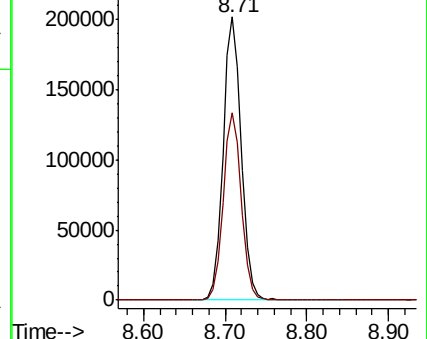
98 100

100 66.1 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: 42.668 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012093.D

Acq: 05 Sep 2019 11:32

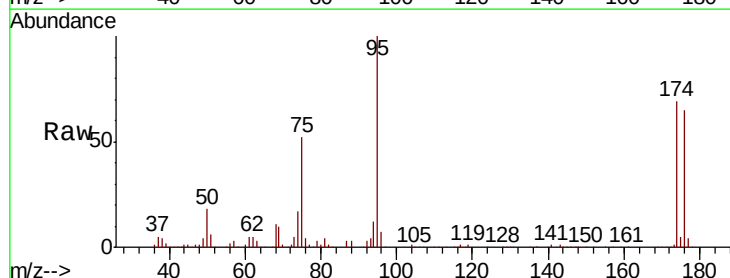
Tgt Ion: 95 Resp: 119003

Ion Ratio Lower Upper

95 100

174 65.1 0.0 205.4

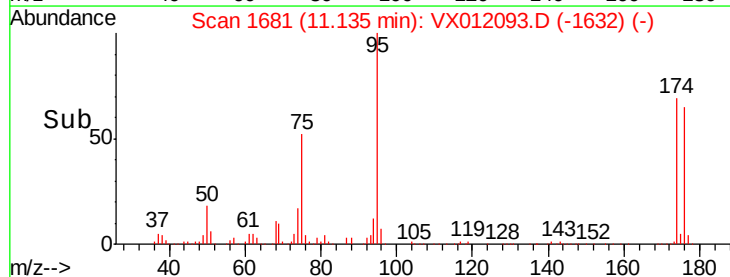
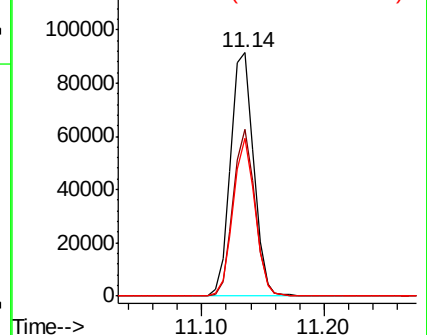
176 61.4 0.0 201.8

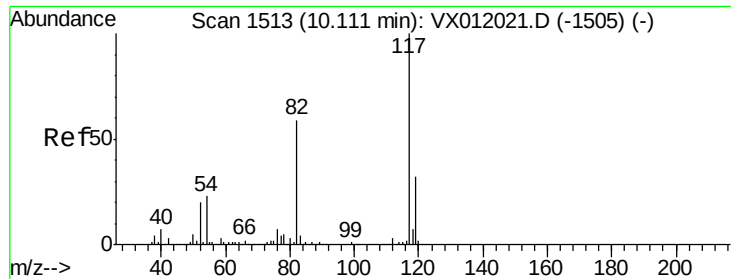


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

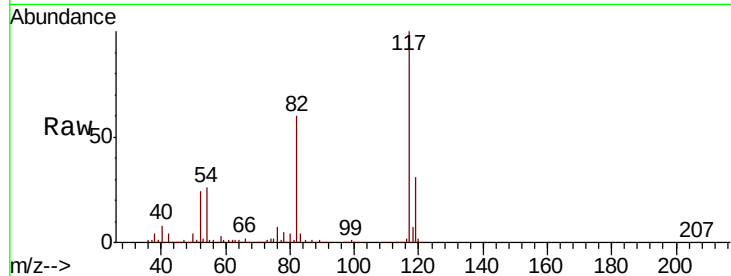




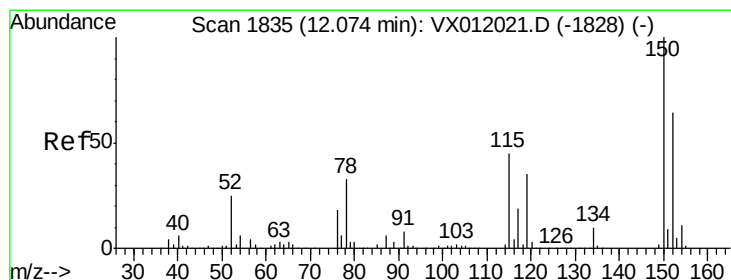
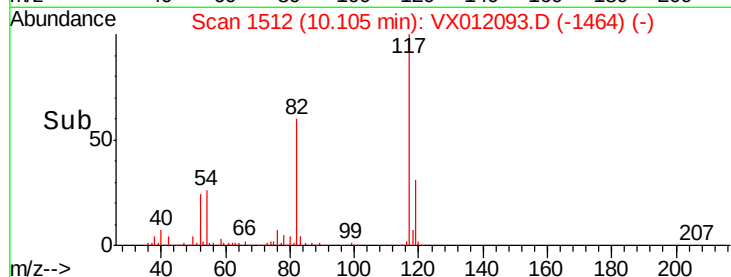
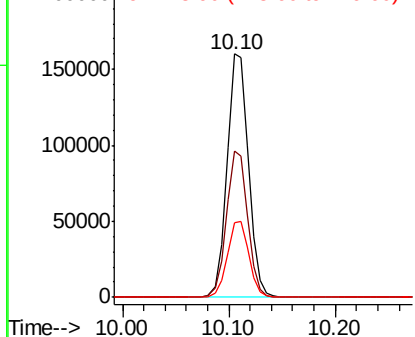
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012093.D
Acq: 05 Sep 2019 11:32

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBL01

Tgt Ion:117 Resp: 225787
Ion Ratio Lower Upper
117 100
82 60.2 39.4 59.0#
119 30.8 26.1 39.1

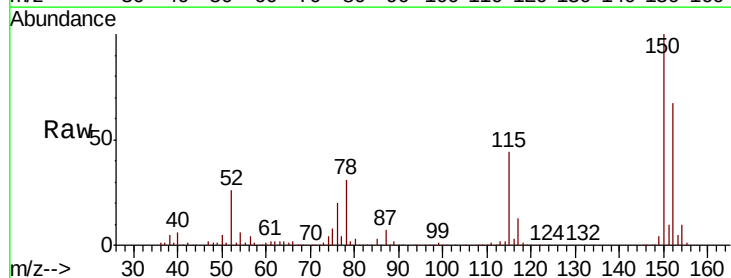


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

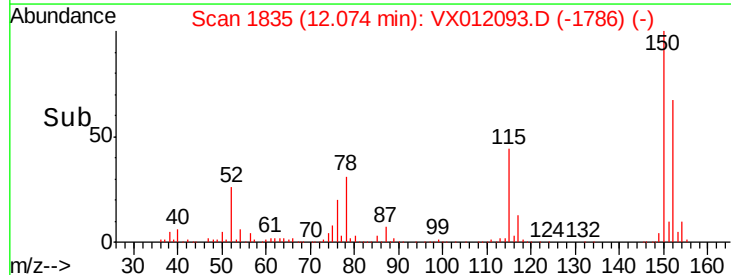
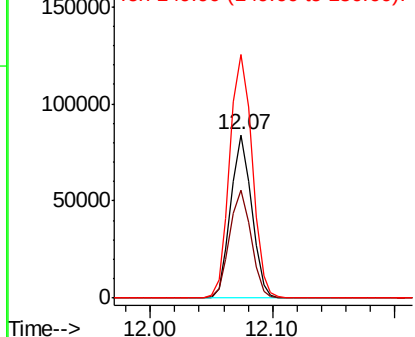


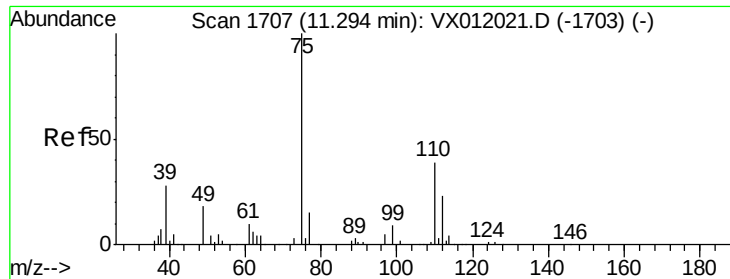
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012093.D
Acq: 05 Sep 2019 11:32

Tgt Ion:152 Resp: 99855
Ion Ratio Lower Upper
152 100
115 67.5 36.4 109.3
150 158.8 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

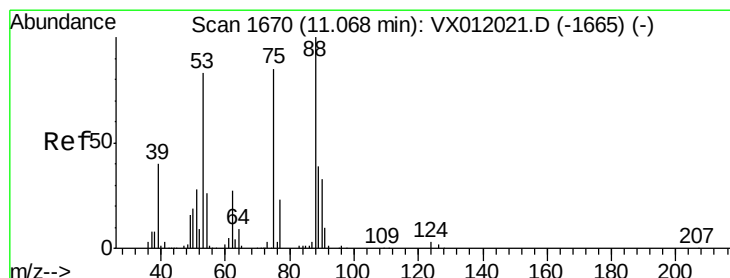
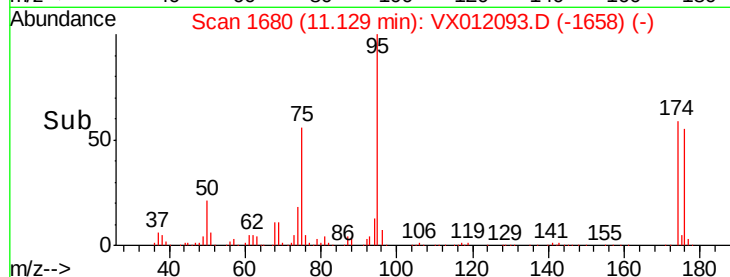
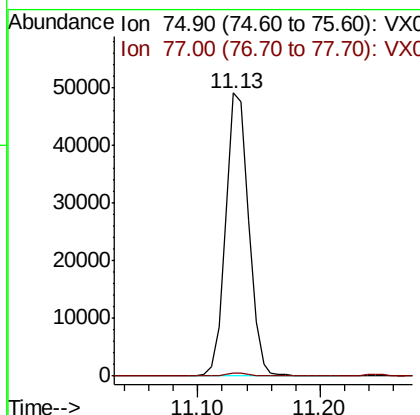
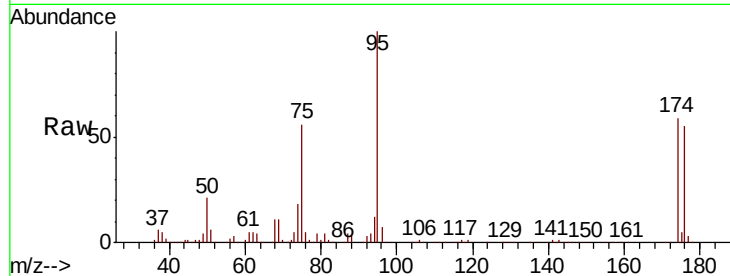




#76
 1,2,3-Trichloropropane
 Concen: 52.124 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX012093.D
 Acq: 05 Sep 2019 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBL01

Tgt Ion: 75 Resp: 63595
 Ion Ratio Lower Upper
 75 100
 77 1.3 23.5 70.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.229 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX012093.D
 Acq: 05 Sep 2019 11:32

Tgt Ion: 75 Resp: 63595
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.6 117.8#
 89 0.0 38.8 58.2#

