

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
 Data File : VX012099.D
 Acq On : 05 Sep 2019 14:23
 Operator : SY/SP
 Sample : K4538-05
 Misc : 4.97g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-5

Quant Time: Sep 06 05:41:51 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	152201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	269839	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	110759	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	104915	49.96	ug/l	0.00
Spiked Amount						
			Recovery	=	99.92%	
35) Dibromofluoromethane	5.48	113	81584	49.16	ug/l	0.00
Spiked Amount						
			Recovery	=	98.32%	
50) Toluene-d8	8.71	98	321341	52.77	ug/l	0.00
Spiked Amount						
			Recovery	=	105.54%	
62) 4-Bromofluorobenzene	11.14	95	130541	46.10	ug/l	0.00
Spiked Amount						
			Recovery	=	92.20%	

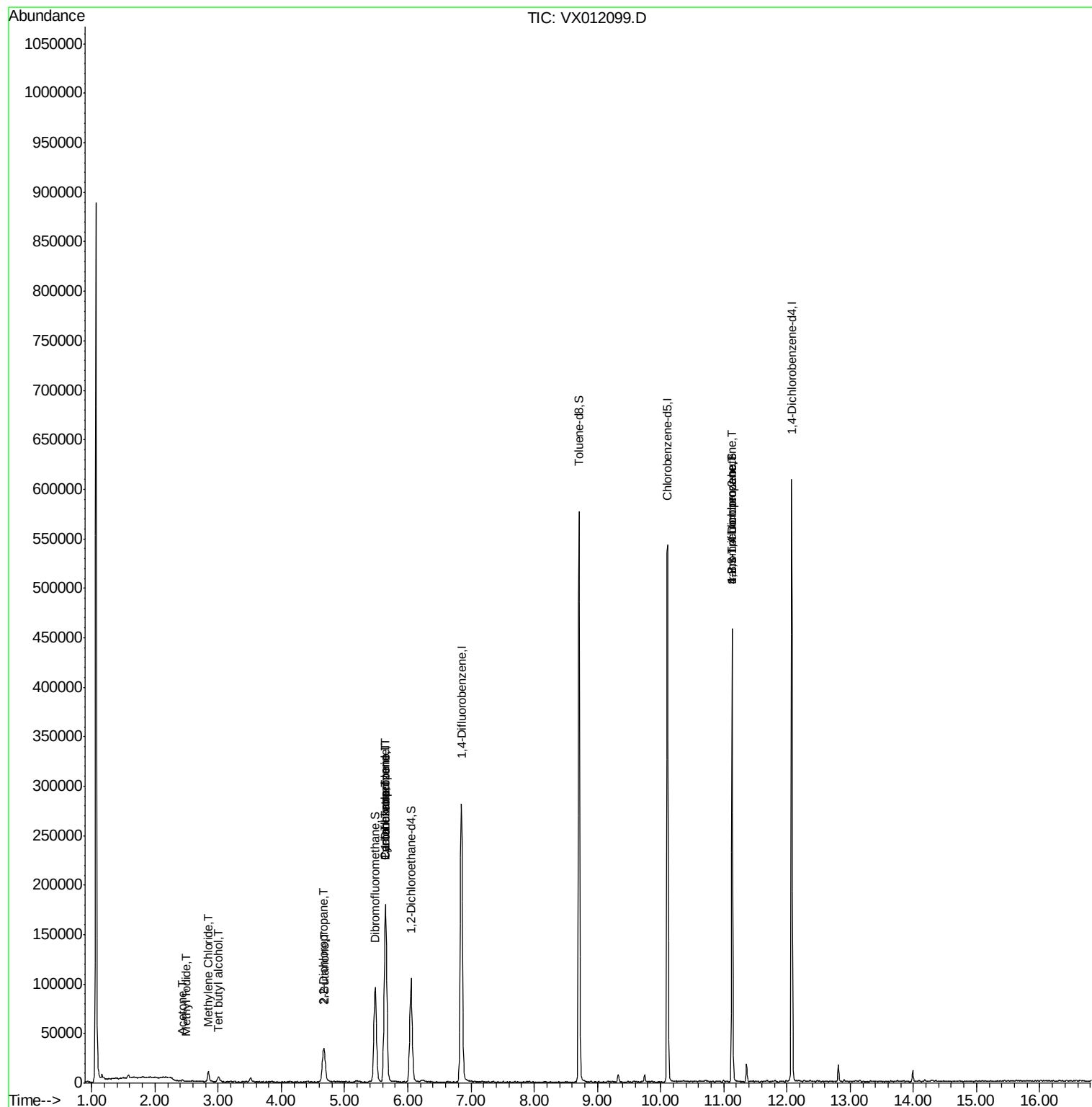
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	45	7.013	ug/l #	91
11) Tert butyl alcohol	3.00	59	3415	16.930	ug/l #	88
13) Acrolein	2.25	56	47	Below Cal	#	12
16) Acetone	2.43	43	1178	2.347	ug/l	96
20) Methylene Chloride	2.84	84	4786	2.374	ug/l	97
25) 2-Butanone	4.67	43	3049	4.772	ug/l #	74
26) 2,2-Dichloropropane	4.66	77	3011	1.017	ug/l #	53
31) Cyclohexane	5.64	56	4027	1.564	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14346	6.036	ug/l #	49
38) Carbon Tetrachloride	5.65	117	18238	7.283	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	67133	49.607	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	67133	117.278	ug/l #	10

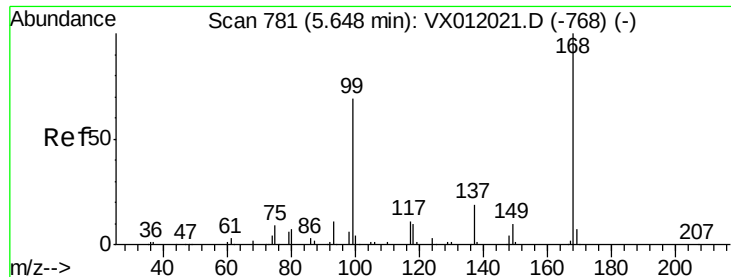
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012099.D

Acq: 05 Sep 2019 14:23

Instrument :

MSVOA_X

ClientSampled :

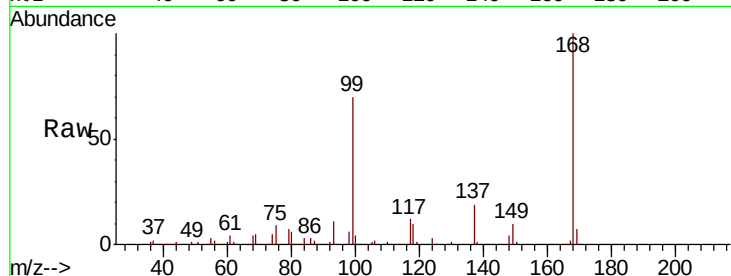
SB-5

Tgt Ion:168 Resp: 152201

Ion Ratio Lower Upper

168 100

99 70.5 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

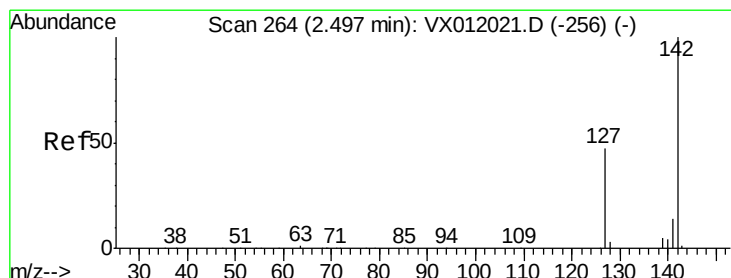
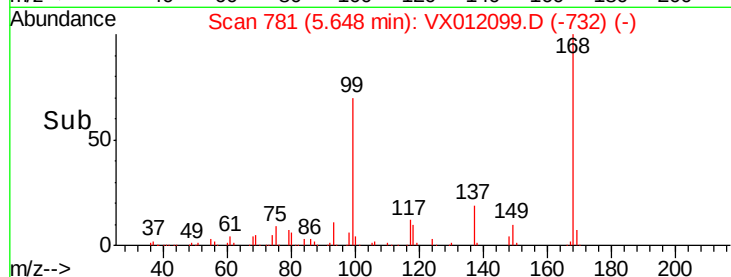
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 7.013 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012099.D

Acq: 05 Sep 2019 14:23

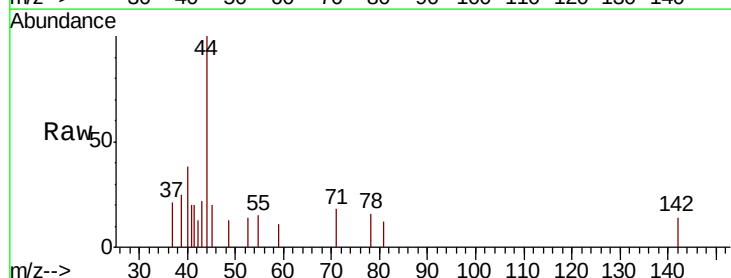
Tgt Ion:142 Resp: 45

Ion Ratio Lower Upper

142 100

127 44.4 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

2.50

80

60

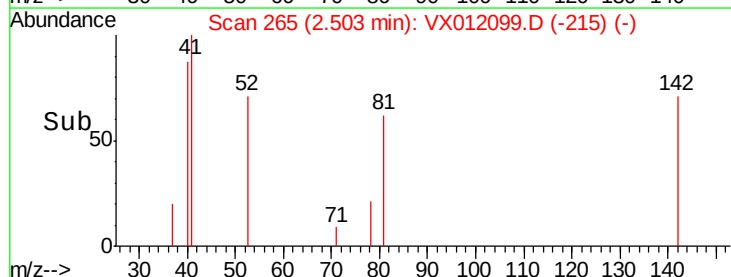
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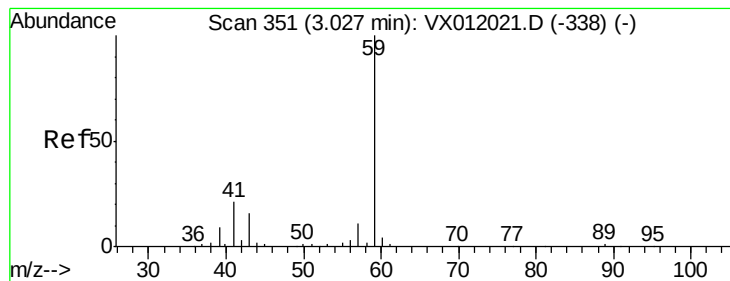
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0

Time-->

2.48 2.50 2.52



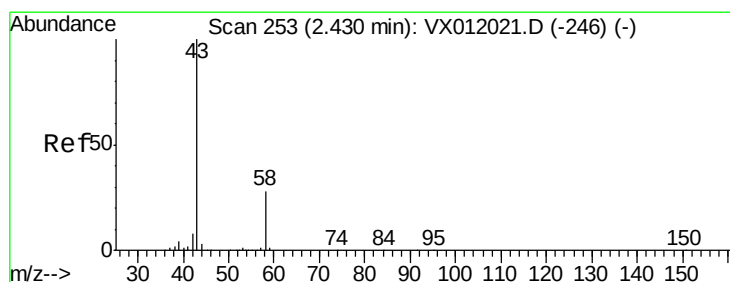
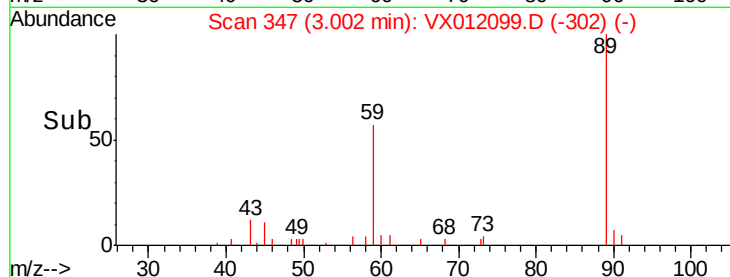
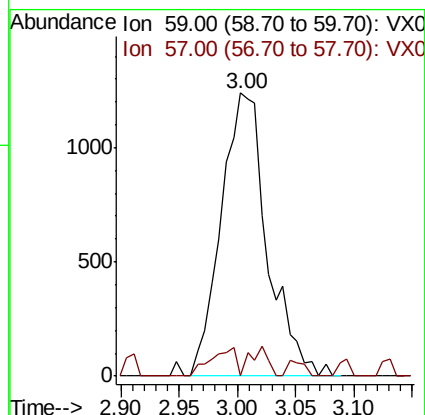
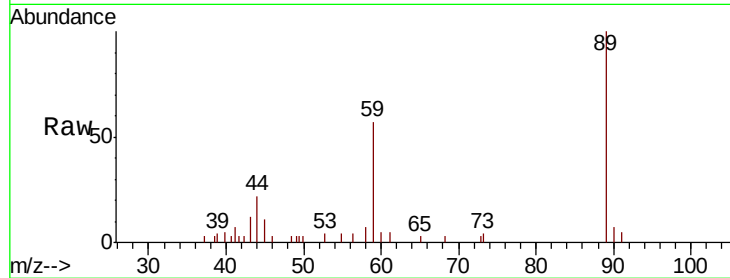


#11

Tert butyl alcohol
 Concen: 16.930 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.02 min
 Lab File: VX012099.D
 Acq: 05 Sep 2019 14:23

Instrument :
 MSVOA_X
 ClientSampled :
 SB-5

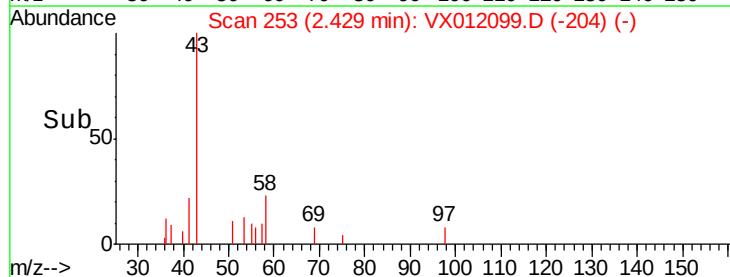
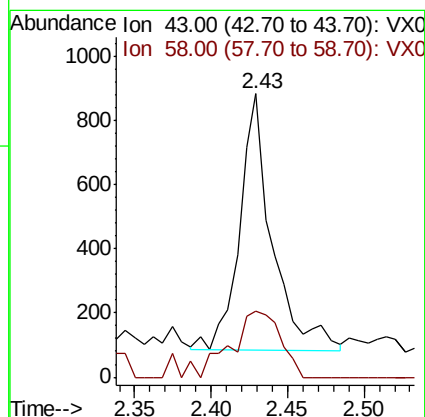
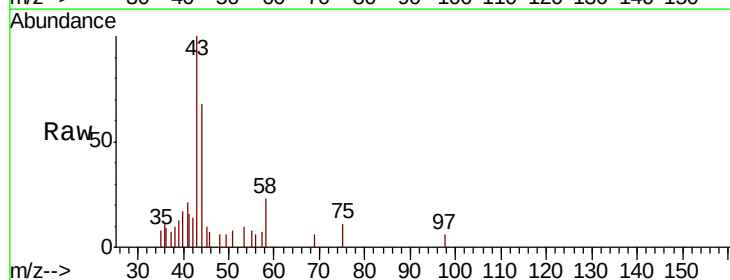
Tgt Ion: 59 Resp: 3415
 Ion Ratio Lower Upper
 59 100
 57 5.4 7.9 11.9#

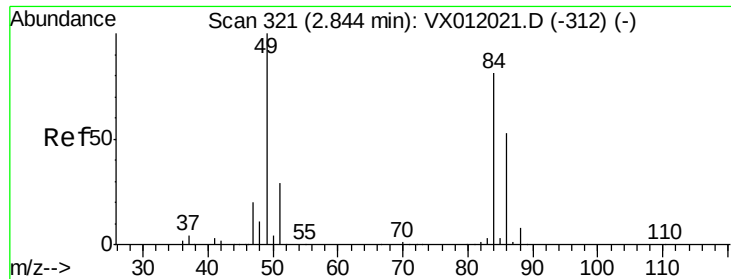


#16

Acetone
 Concen: 2.347 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VX012099.D
 Acq: 05 Sep 2019 14:23

Tgt Ion: 43 Resp: 1178
 Ion Ratio Lower Upper
 43 100
 58 26.2 22.8 34.2

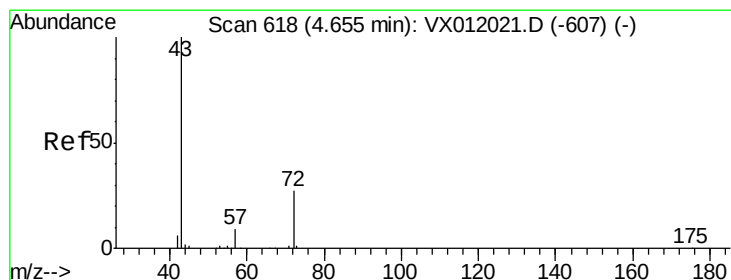
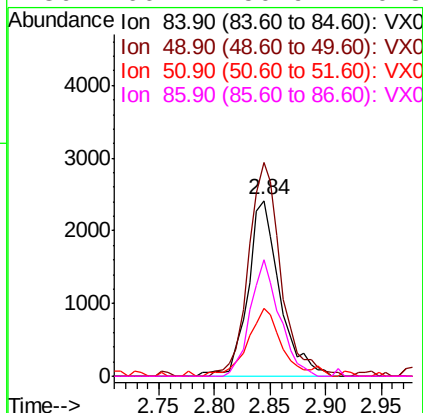
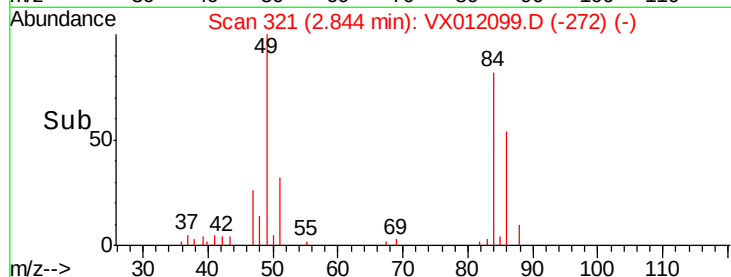
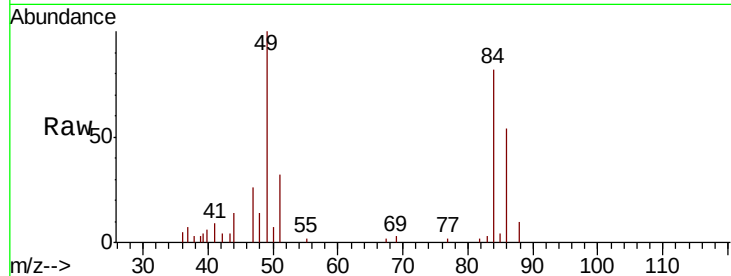




#20
Methylene Chloride
Concen: 2.374 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012099.D
Acq: 05 Sep 2019 14:23

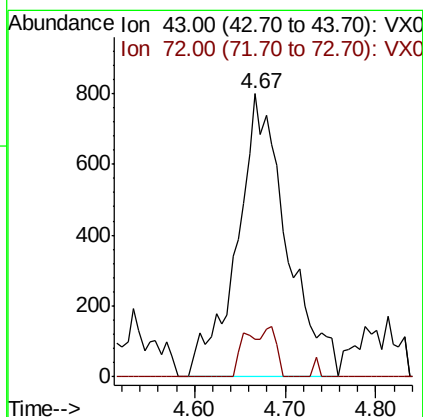
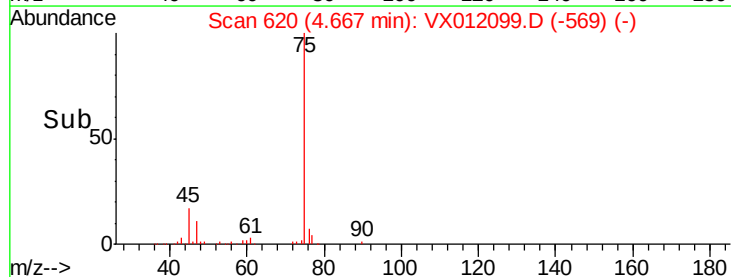
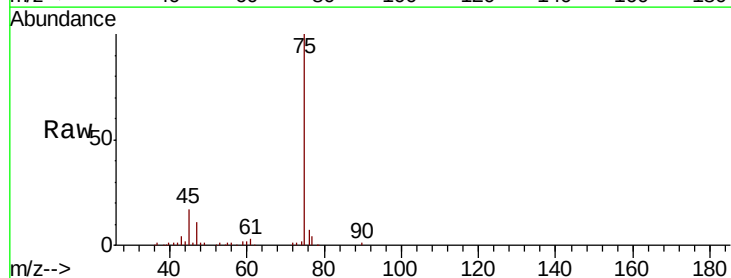
Instrument :
MSVOA_X
ClientSampled :
SB-5

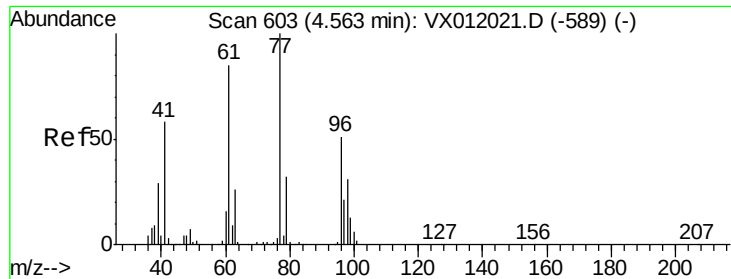
Tgt Ion:	84	Resp:	4786
Ion	Ratio	Lower	Upper
84	100		
49	121.5	95.8	143.8
51	38.5	28.6	43.0
86	66.1	50.9	76.3



#25
2-Butanone
Concen: 4.772 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX012099.D
Acq: 05 Sep 2019 14:23

Tgt Ion:	43	Resp:	3049
Ion	Ratio	Lower	Upper
43	100		
72	13.2	21.3	31.9#

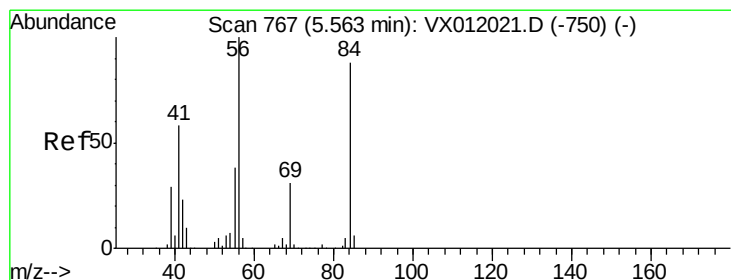
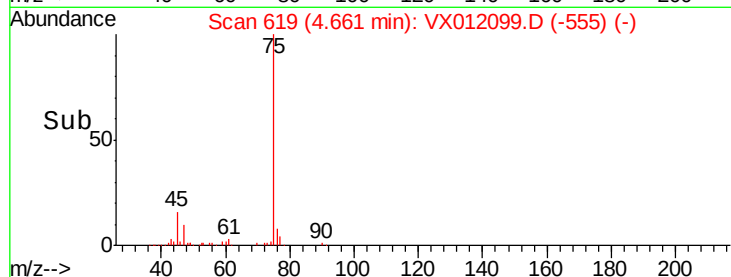
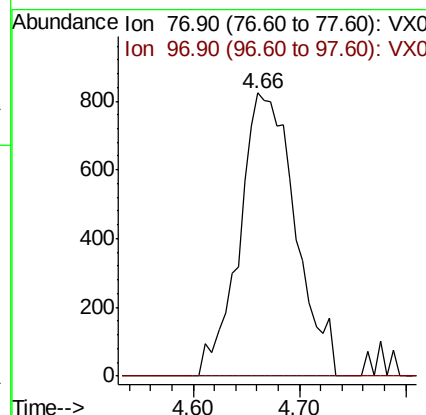
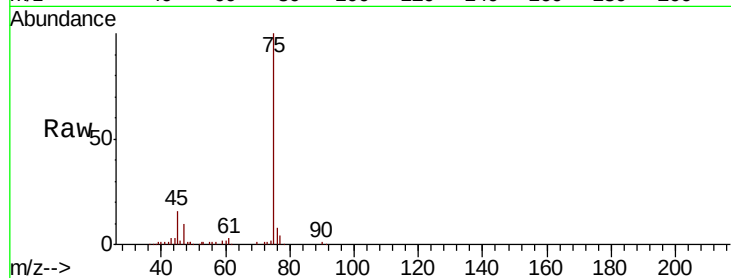




#26
 2,2-Dichloropropane
 Concen: 1.017 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. 0.09 min
 Lab File: VX012099.D
 Acq: 05 Sep 2019 14:23

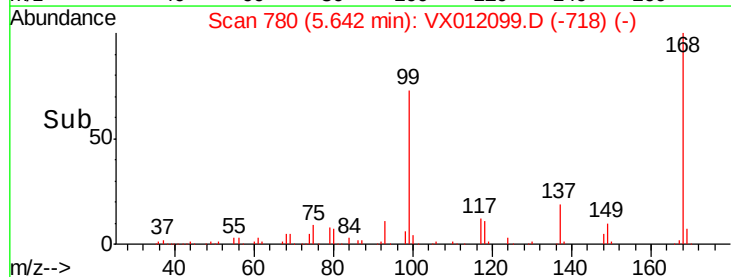
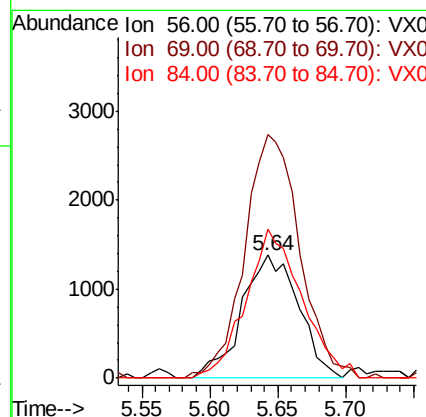
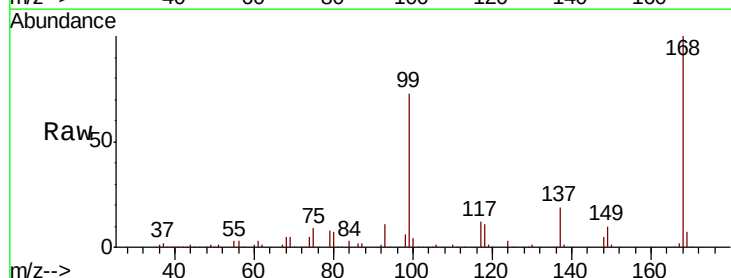
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-5

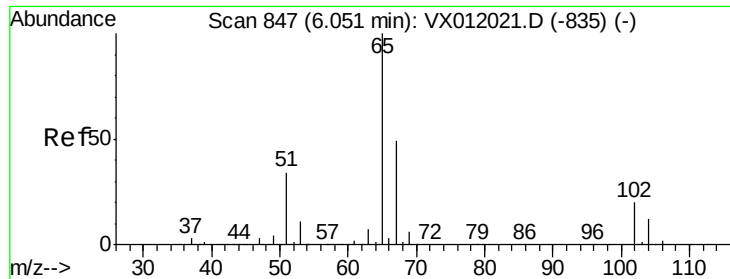
Tgt Ion: 77 Resp: 3011
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.5 34.5#



#31
 Cyclohexane
 Concen: 1.564 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. 0.08 min
 Lab File: VX012099.D
 Acq: 05 Sep 2019 14:23

Tgt Ion: 56 Resp: 4027
 Ion Ratio Lower Upper
 56 100
 69 192.8 25.7 38.5#
 84 121.2 70.3 105.5#

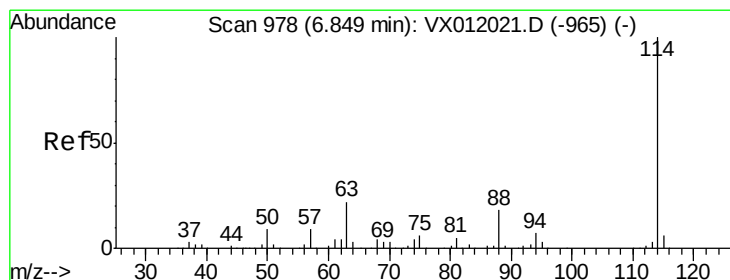
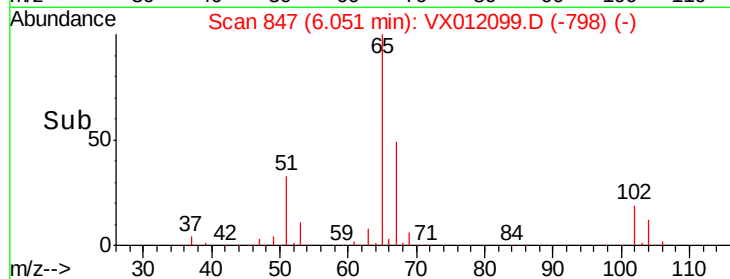
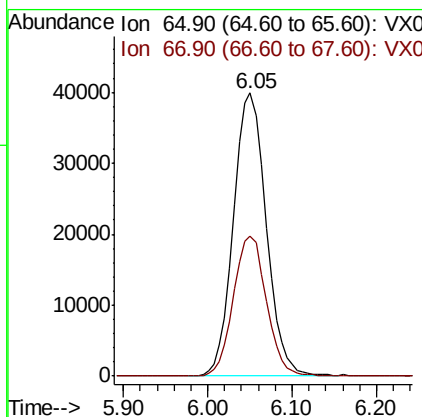
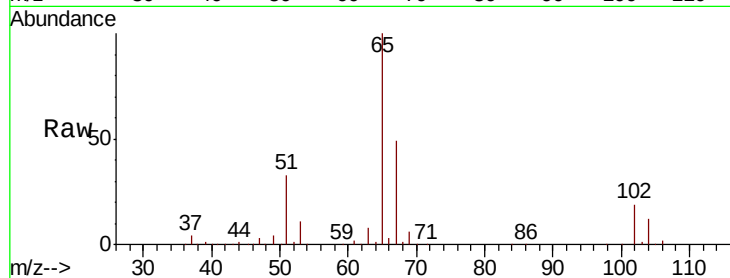




#33
 1,2-Dichloroethane-d4
 Concen: 49.958 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012099.D
 Acq: 05 Sep 2019 14:23

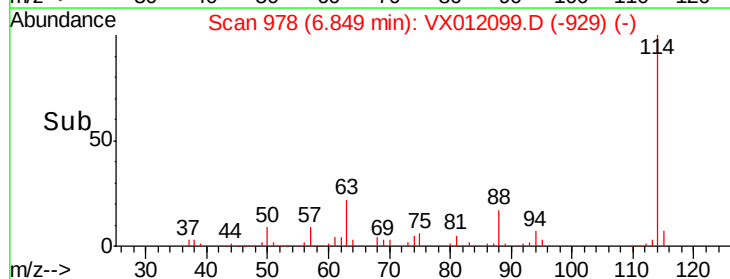
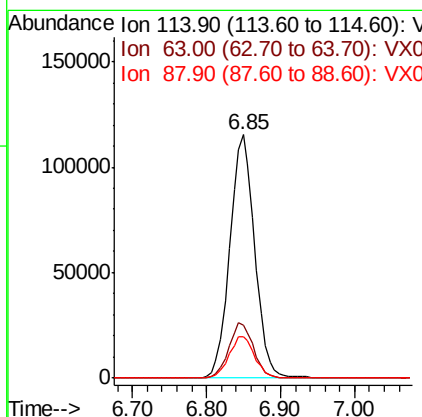
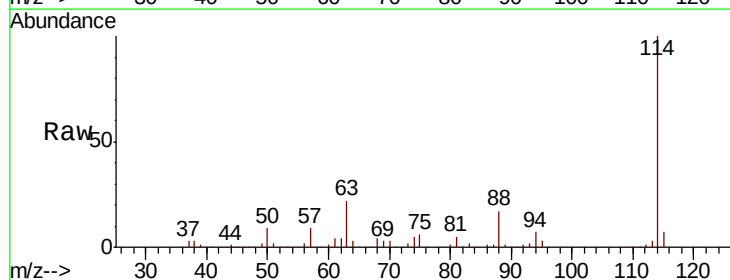
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-5

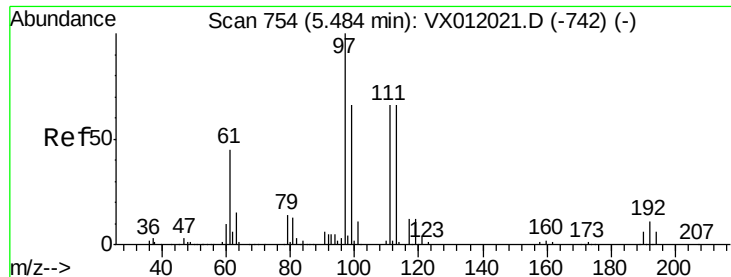
Tgt Ion: 65 Resp: 104915
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012099.D
 Acq: 05 Sep 2019 14:23

Tgt Ion: 114 Resp: 269839
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 37.4
 88 17.1 0.0 29.6

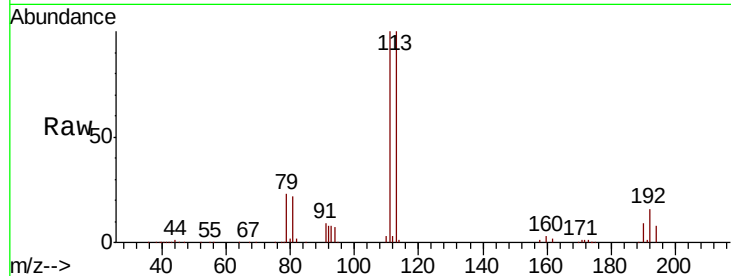




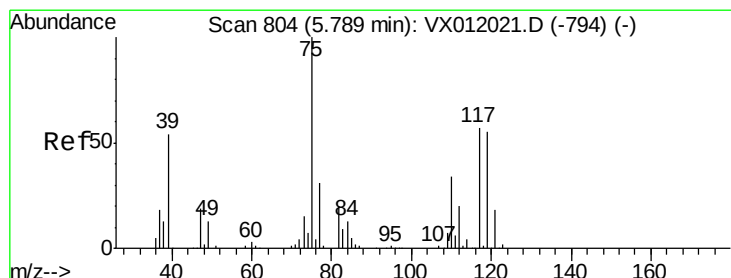
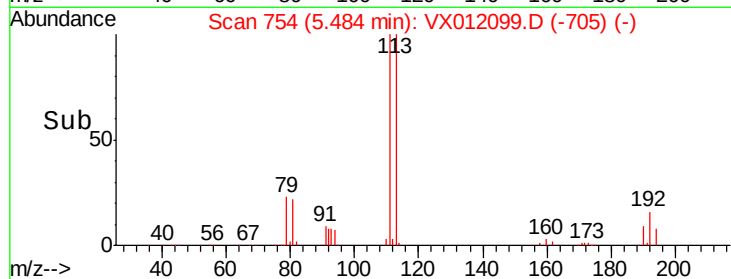
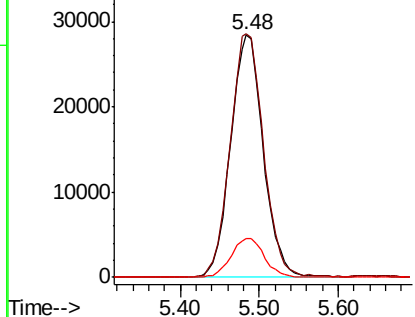
#35
 Dibromofluoromethane
 Concen: 49.164 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012099.D
 Acq: 05 Sep 2019 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
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Tgt Ion:113 Resp: 81584
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.7 122.5
 192 16.4 22.5 33.7#

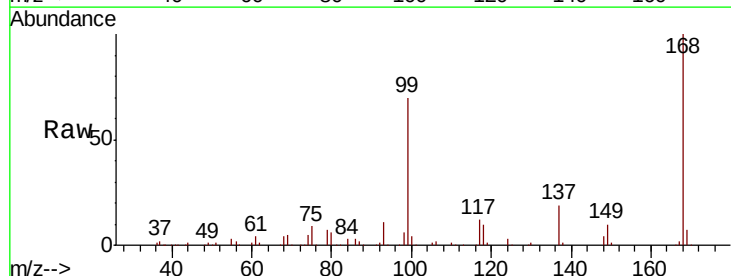


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

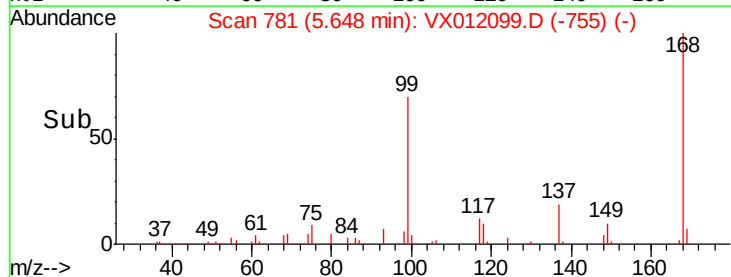
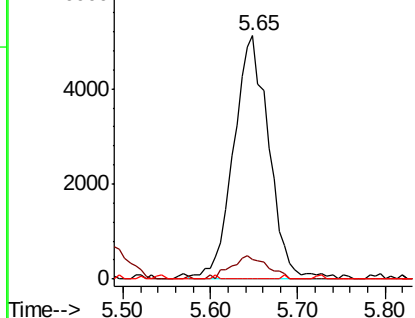


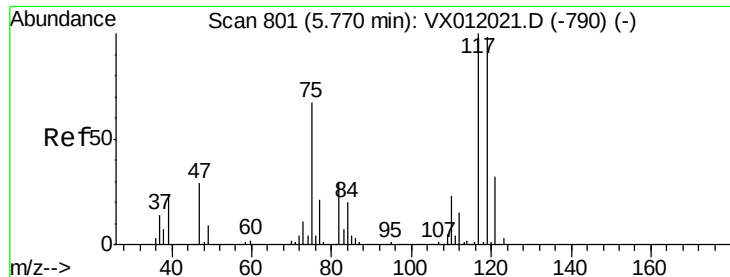
#36
 1,1-Dichloropropene
 Concen: 6.036 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012099.D
 Acq: 05 Sep 2019 14:23

Tgt Ion: 75 Resp: 14346
 Ion Ratio Lower Upper
 75 100
 110 9.9 19.5 58.5#
 77 0.0 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

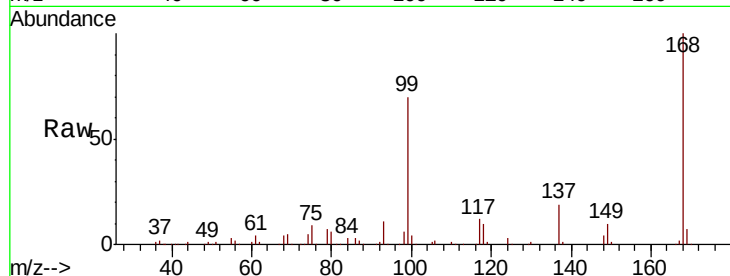




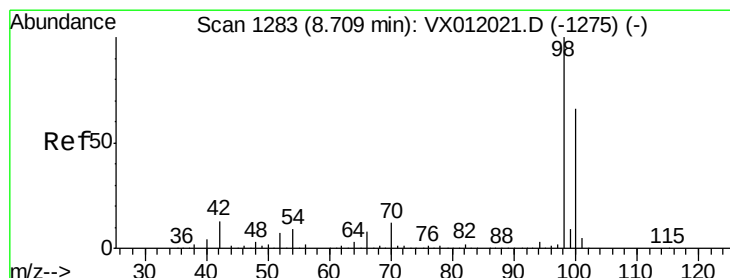
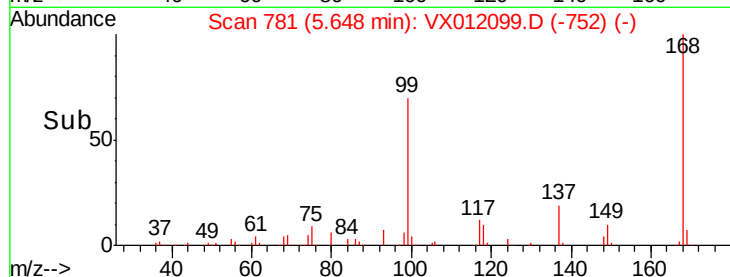
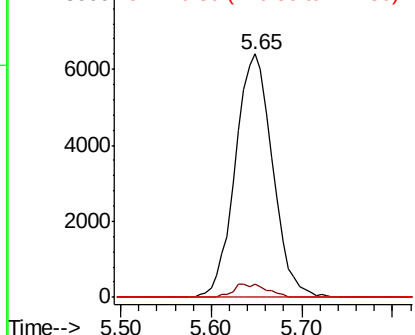
#38
Carbon Tetrachloride
Concen: 7.283 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.12 min
Lab File: VX012099.D
Acq: 05 Sep 2019 14:23

Instrument :
MSVOA_X
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Tgt Ion:117 Resp: 18238
Ion Ratio Lower Upper
117 100
119 5.3 78.3 117.5#
121 0.0 24.2 36.2#

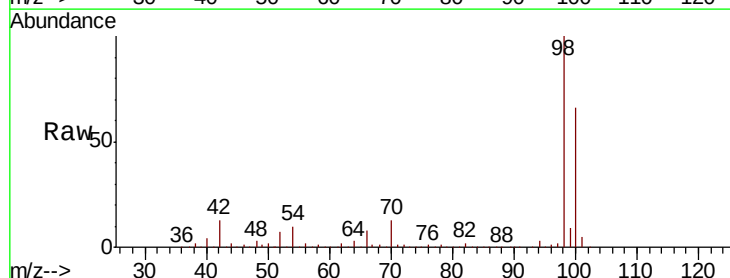


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

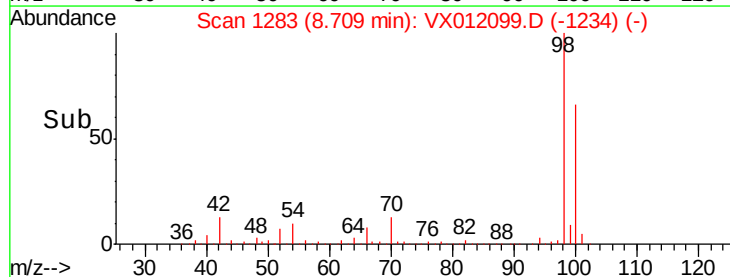
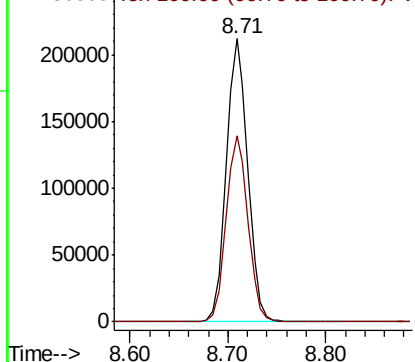


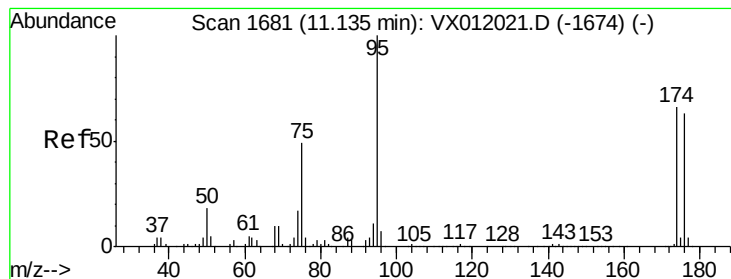
#50
Toluene-d8
Concen: 52.771 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012099.D
Acq: 05 Sep 2019 14:23

Tgt Ion: 98 Resp: 321341
Ion Ratio Lower Upper
98 100
100 66.8 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: 46.096 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012099.D

Acq: 05 Sep 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

SB-5

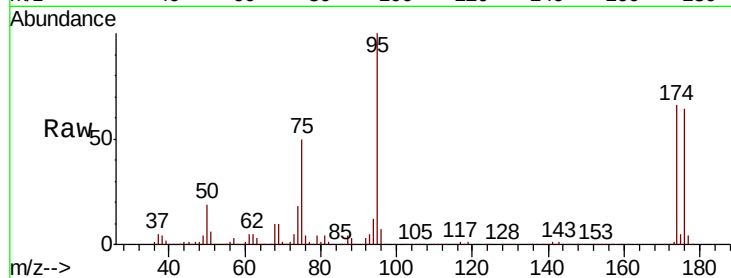
Tgt Ion: 95 Resp: 130541

Ion Ratio Lower Upper

95 100

174 63.8 0.0 205.4

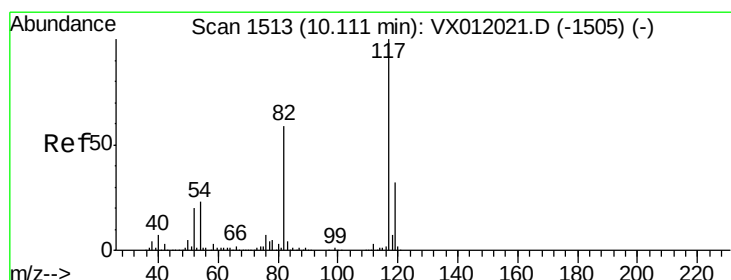
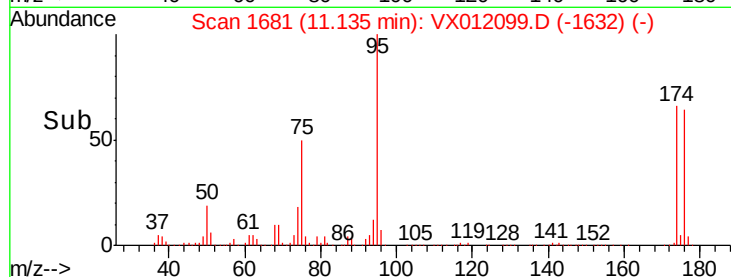
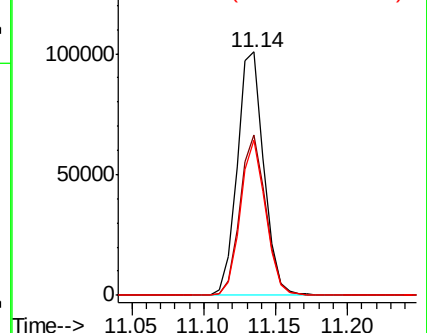
176 60.5 0.0 201.8



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: VX012099.D

Acq: 05 Sep 2019 14:23

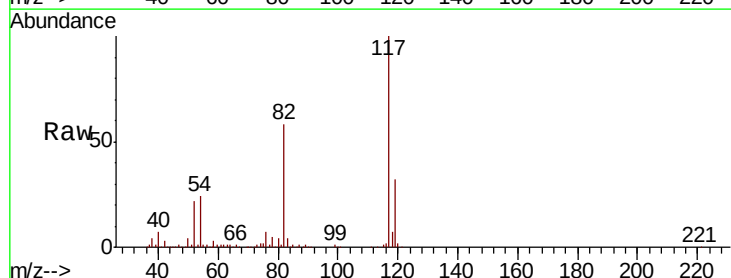
Tgt Ion: 117 Resp: 238014

Ion Ratio Lower Upper

117 100

82 57.5 39.4 59.0

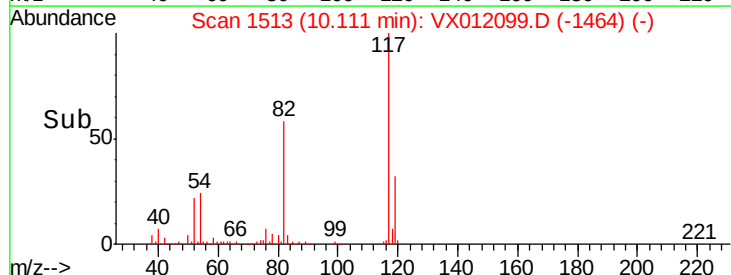
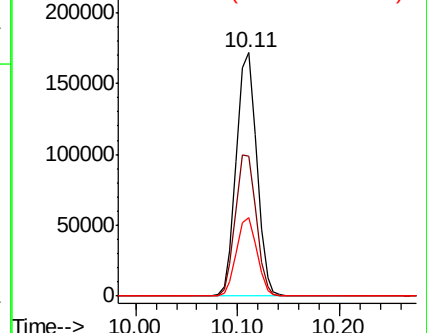
119 32.5 26.1 39.1

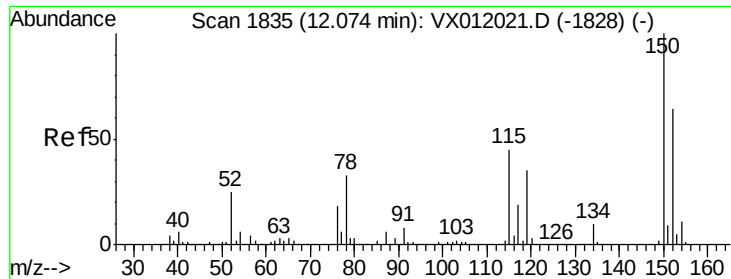


Abundance Ion 116.90 (116.60 to 117.60): VX012021.D (-1505) (-)

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: VX012099.D

Acq: 05 Sep 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

SB-5

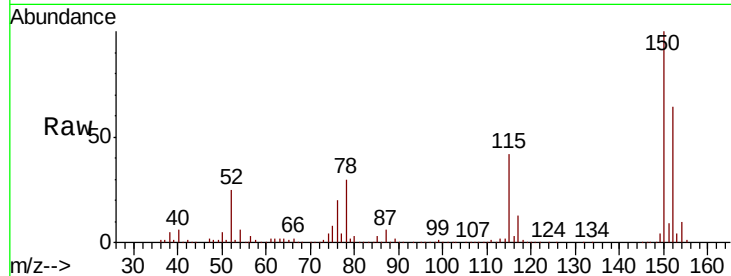
Tgt Ion:152 Resp: 110759

Ion Ratio Lower Upper

152 100

115 66.5 36.4 109.3

150 155.3 0.0 341.2

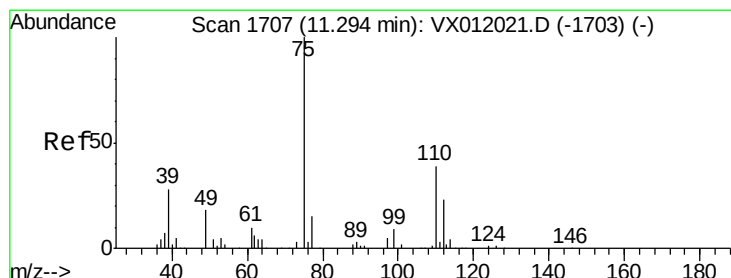
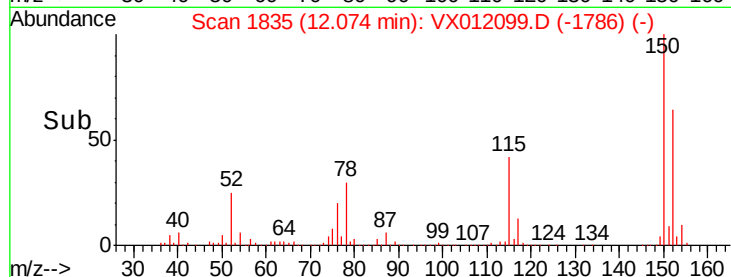
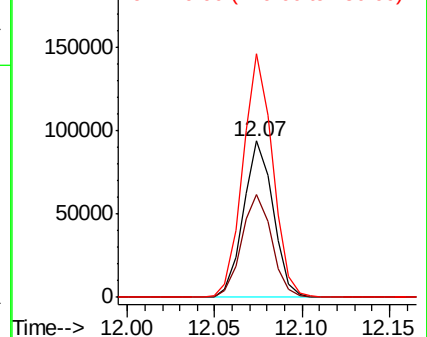


Abundance

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: 49.607 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012099.D

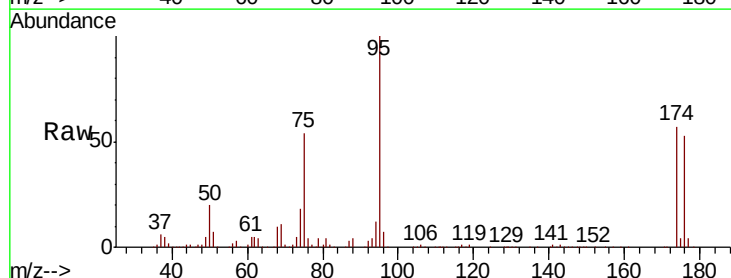
Acq: 05 Sep 2019 14:23

Tgt Ion: 75 Resp: 67133

Ion Ratio Lower Upper

75 100

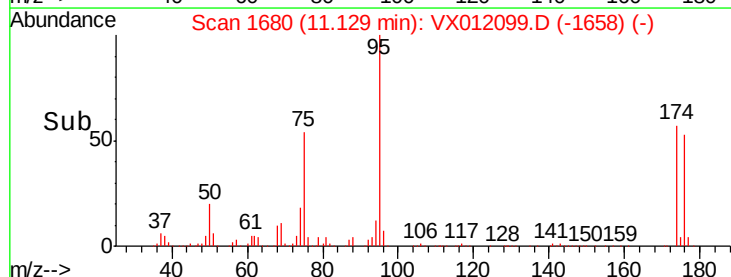
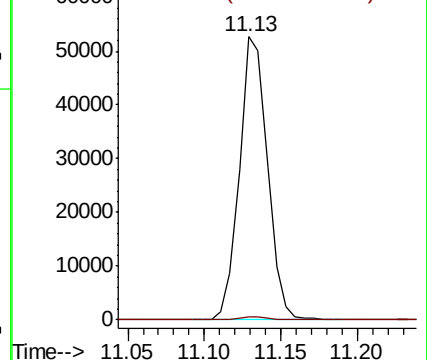
77 1.3 23.5 70.5#

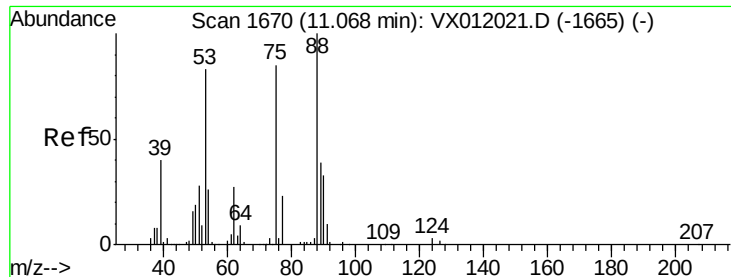


Abundance

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: 117.278 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX012099.D
 Acq: 05 Sep 2019 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-5

Tgt Ion: 75 Resp: 67133
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.6 117.8#
 89 0.1 38.8 58.2#

