

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
 Data File : VX012100.D
 Acq On : 05 Sep 2019 14:51
 Operator : SY/SP
 Sample : K4538-06
 Misc : 5.09g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-6

Quant Time: Sep 06 05:42:03 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	145036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	253337	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	223769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101578	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	98981	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
35) Dibromofluoromethane	5.48	113	74301	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
50) Toluene-d8	8.71	98	302108	52.84	ug/l	0.00
Spiked Amount			Recovery	=	105.68%	
62) 4-Bromofluorobenzene	11.14	95	120937	45.49	ug/l	0.00
Spiked Amount			Recovery	=	90.98%	

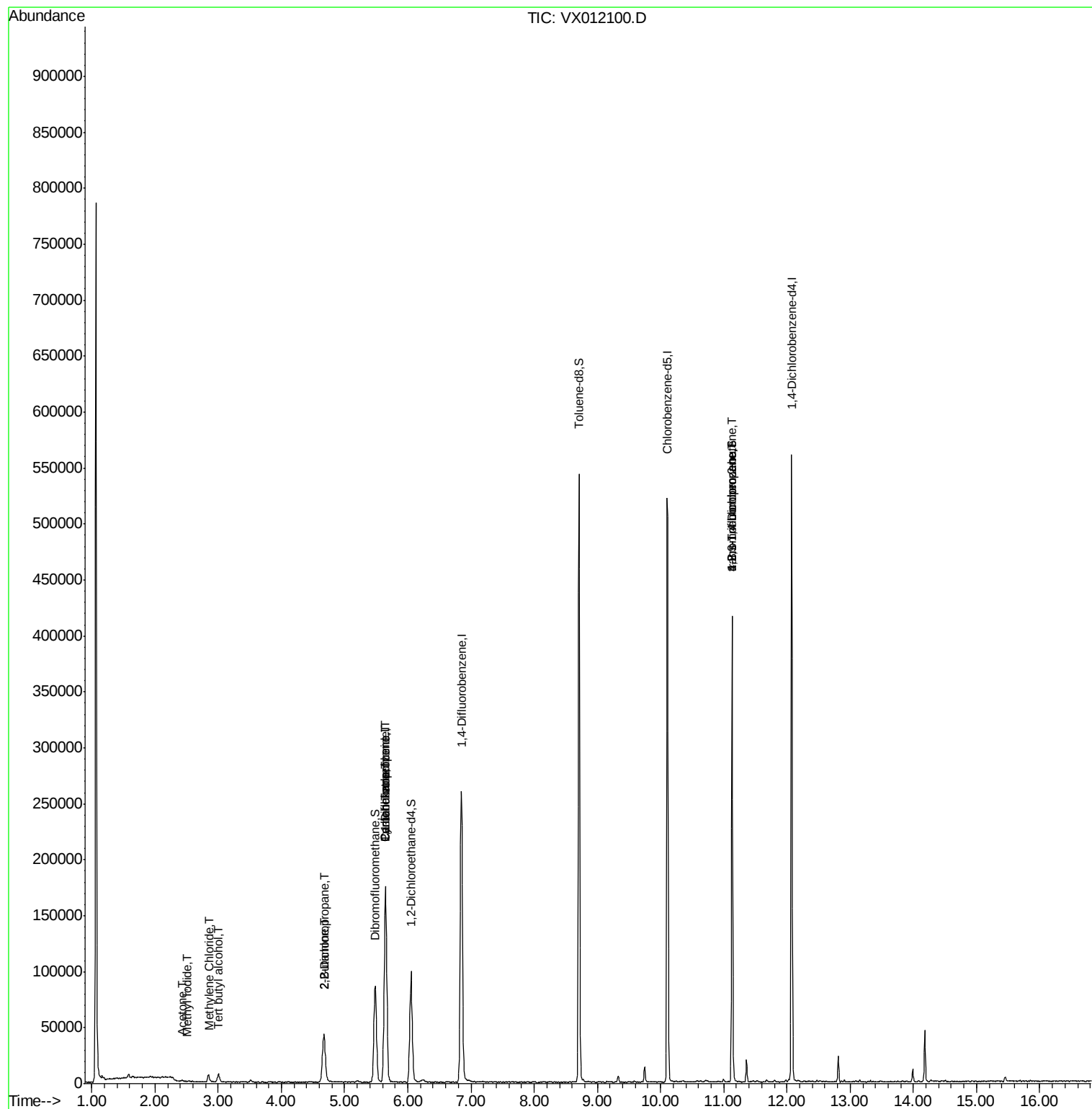
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	105	7.048	ug/l #	89
11) Tert butyl alcohol	3.01	59	4614	24.004	ug/l #	82
13) Acrolein	2.31	56	157	Below Cal	#	12
16) Acetone	2.43	43	1717	3.590	ug/l #	54
20) Methylene Chloride	2.84	84	3102	1.615	ug/l	89
25) 2-Butanone	4.67	43	2852	4.684	ug/l #	83
26) 2,2-Dichloropropane	4.67	77	3487	1.236	ug/l #	53
31) Cyclohexane	5.64	56	3919	1.597	ug/l #	15
36) 1,1-Dichloropropene	5.65	75	13939	6.247	ug/l #	48
38) Carbon Tetrachloride	5.64	117	16895	7.186	ug/l #	14
76) 1,2,3-Trichloropropane	11.13	75	63214	50.933	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	63214	120.413	ug/l #	10

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

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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: VX012100.D

Acq: 05 Sep 2019 14:51

Instrument :

MSVOA_X

ClientSampled :

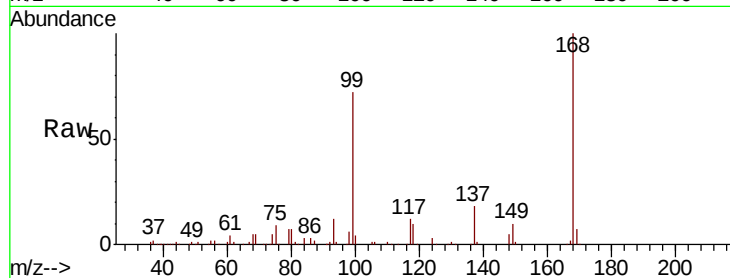
SB-6

Tgt Ion:168 Resp: 145036

Ion Ratio Lower Upper

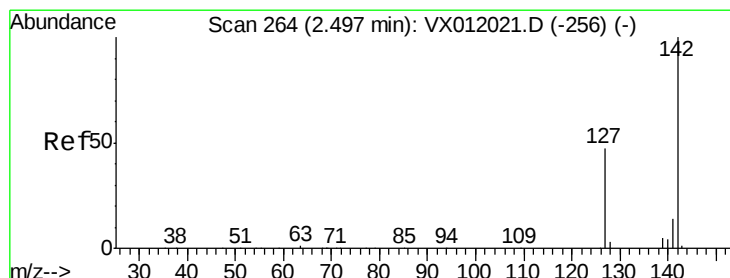
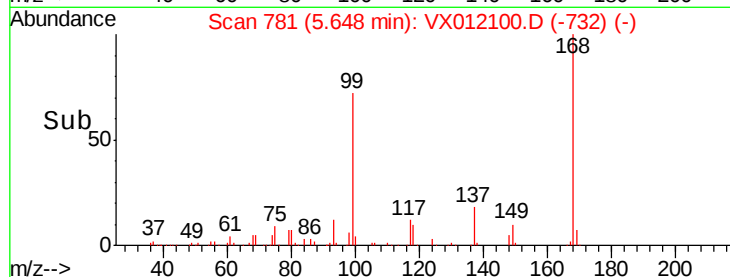
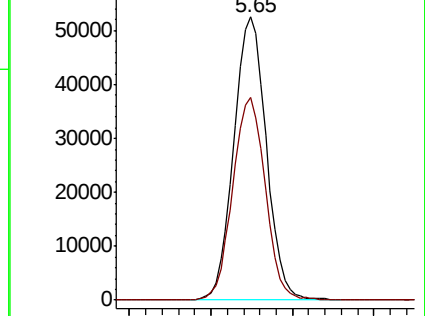
168 100

99 71.5 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 7.048 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012100.D

Acq: 05 Sep 2019 14:51

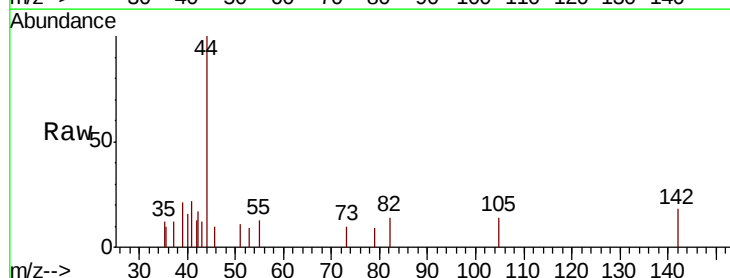
Tgt Ion:142 Resp: 105

Ion Ratio Lower Upper

142 100

127 41.9 35.4 53.2

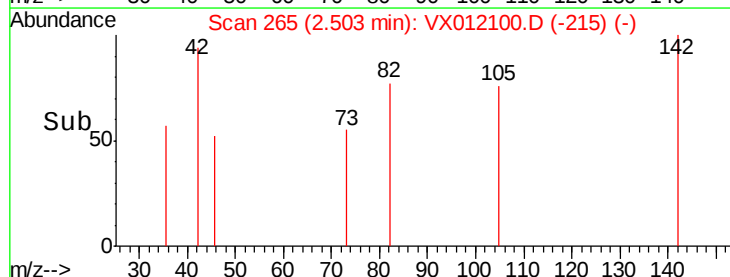
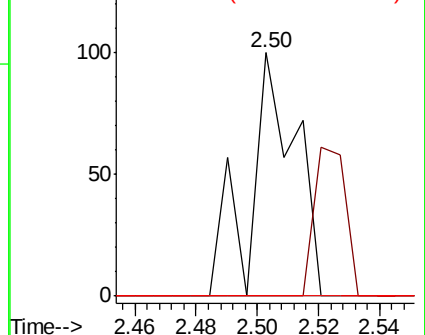
141 0.0 11.4 17.2#

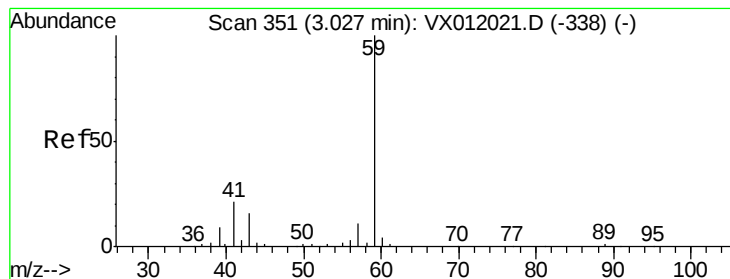


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 24.004 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX012100.D

Acq: 05 Sep 2019 14:51

Instrument :

MSVOA_X

ClientSampled :

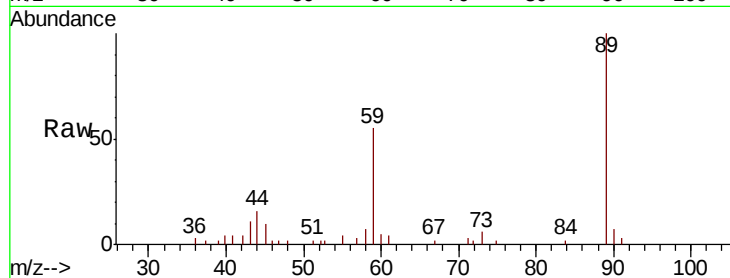
SB-6

Tgt Ion: 59 Resp: 4614

Ion Ratio Lower Upper

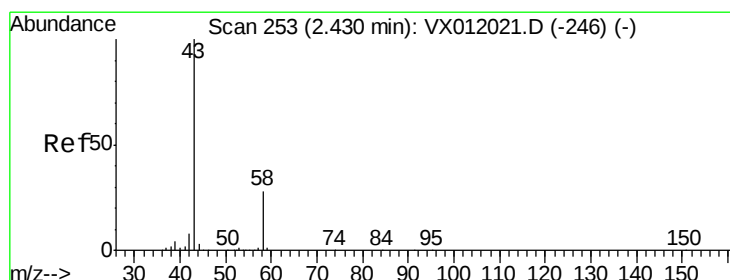
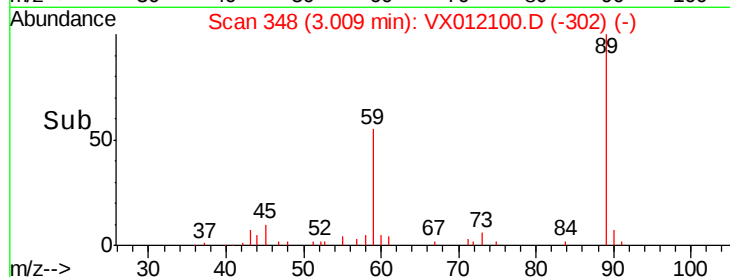
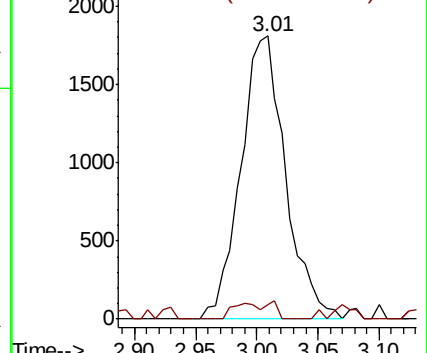
59 100

57 3.3 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: 3.590 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012100.D

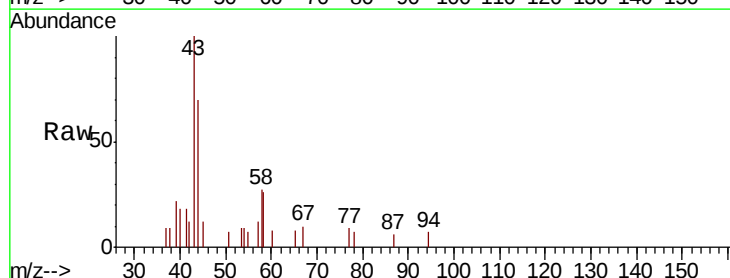
Acq: 05 Sep 2019 14:51

Tgt Ion: 43 Resp: 1717

Ion Ratio Lower Upper

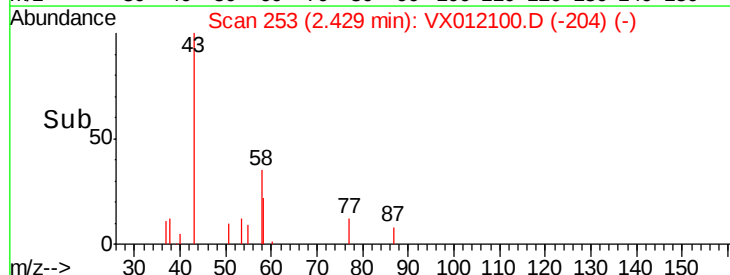
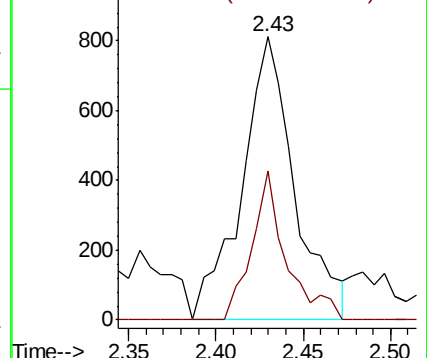
43 100

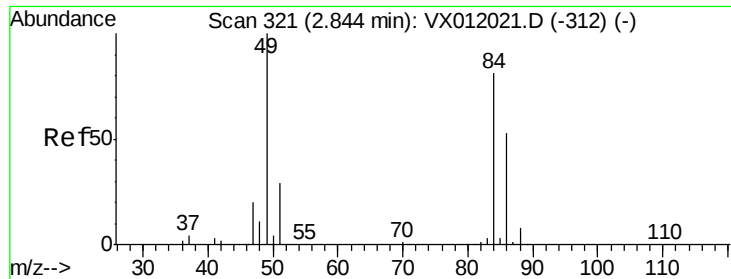
58 52.7 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

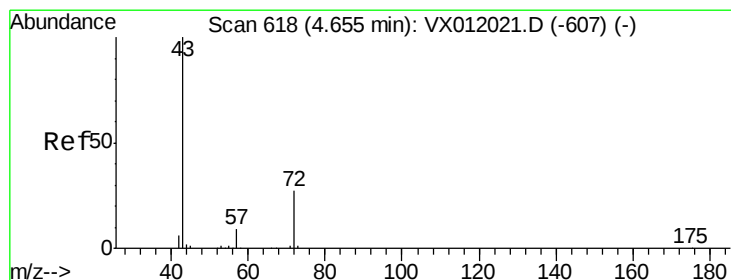
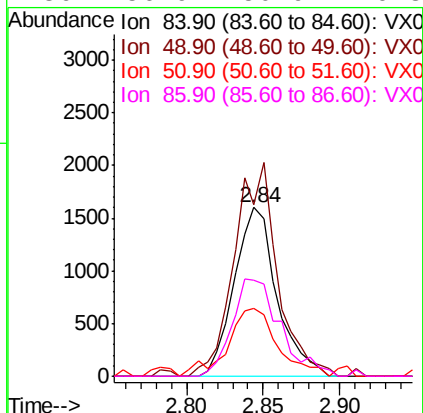
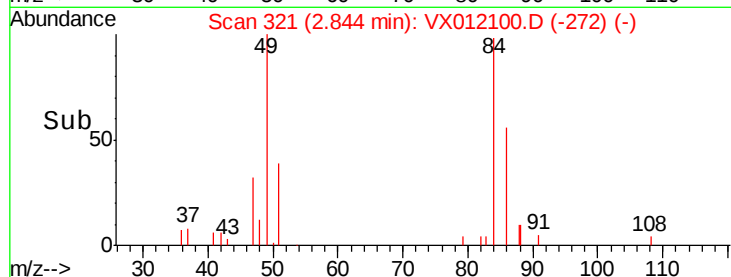
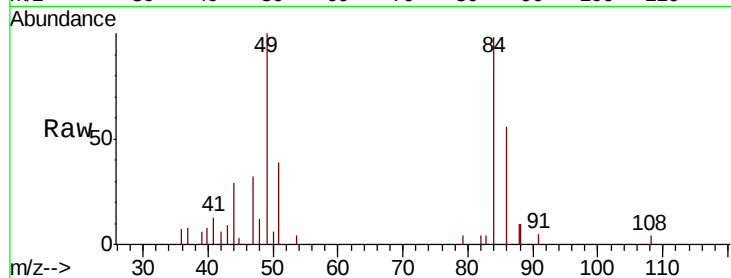




#20
Methylene Chloride
Concen: 1.615 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012100.D
Acq: 05 Sep 2019 14:51

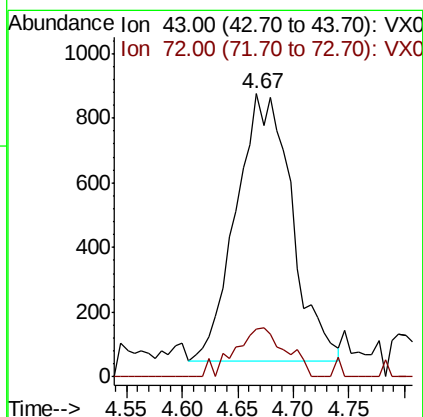
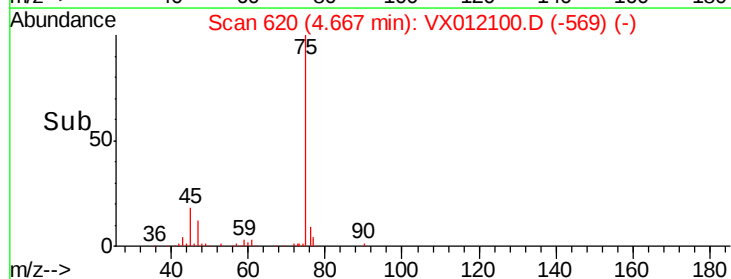
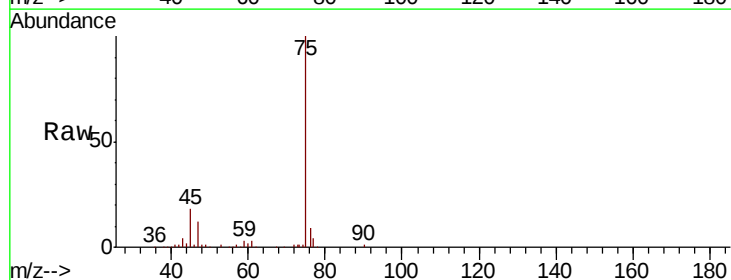
Instrument :
MSVOA_X
ClientSampleId :
SB-6

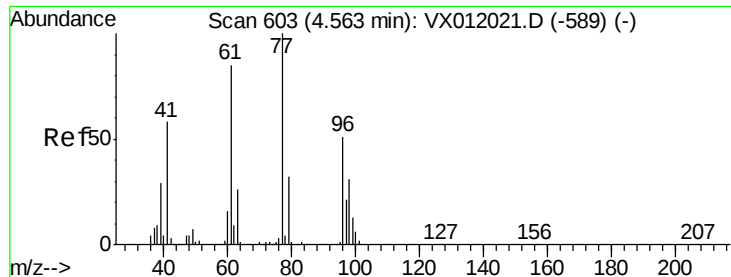
Tgt Ion:	84	Resp:	3102
Ion	Ratio	Lower	Upper
84	100		
49	101.9	95.8	143.8
51	35.9	28.6	43.0
86	56.9	50.9	76.3



#25
2-Butanone
Concen: 4.684 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX012100.D
Acq: 05 Sep 2019 14:51

Tgt Ion:	43	Resp:	2852
Ion	Ratio	Lower	Upper
43	100		
72	17.8	21.3	31.9#





#26

2,2-Dichloropropane

Concen: 1.236 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.10 min

Lab File: VX012100.D

Acq: 05 Sep 2019 14:51

Instrument :

MSVOA_X

ClientSampled :

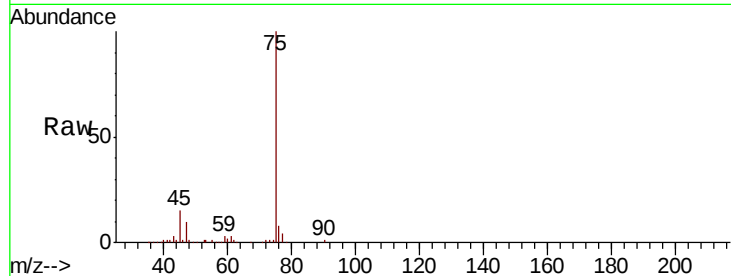
SB-6

Tgt Ion: 77 Resp: 3487

Ion Ratio Lower Upper

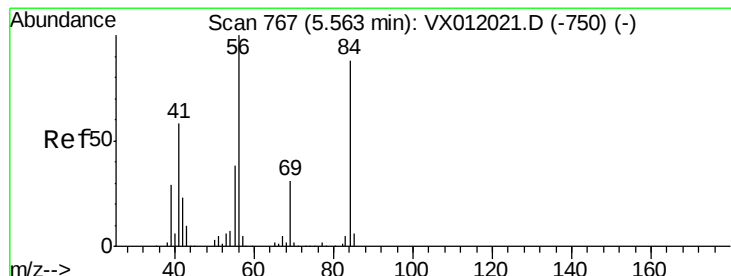
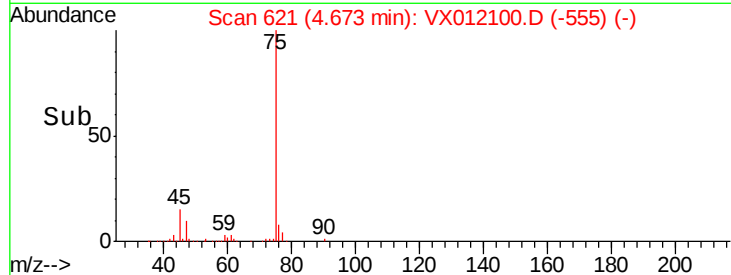
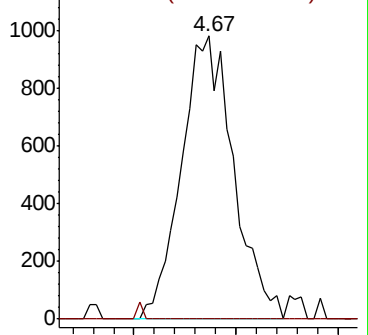
77 100

97 0.0 11.5 34.5#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#31

Cyclohexane

Concen: 1.597 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.08 min

Lab File: VX012100.D

Acq: 05 Sep 2019 14:51

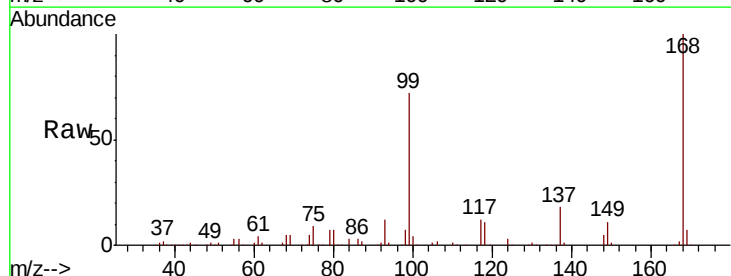
Tgt Ion: 56 Resp: 3919

Ion Ratio Lower Upper

56 100

69 176.0 25.7 38.5#

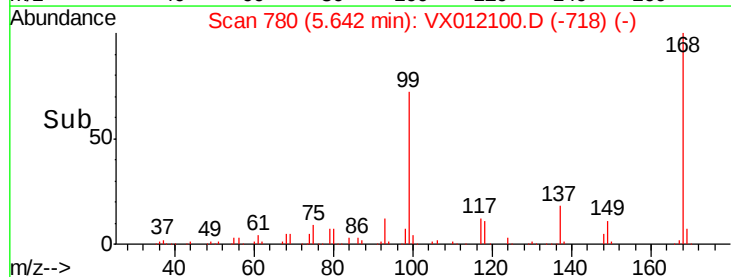
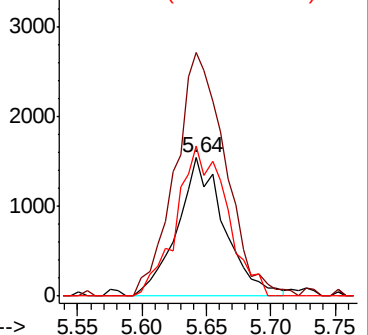
84 108.7 70.3 105.5#

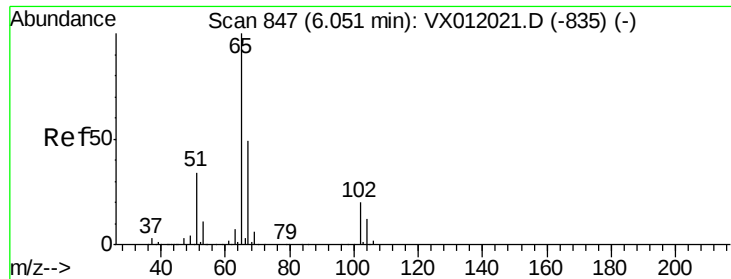


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.461 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012100.D

Acq: 05 Sep 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

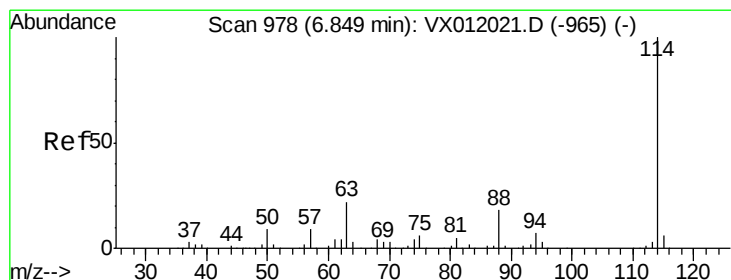
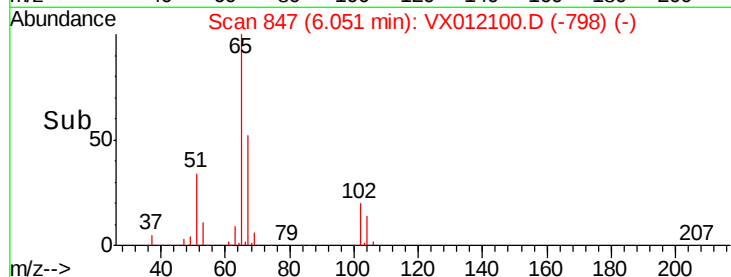
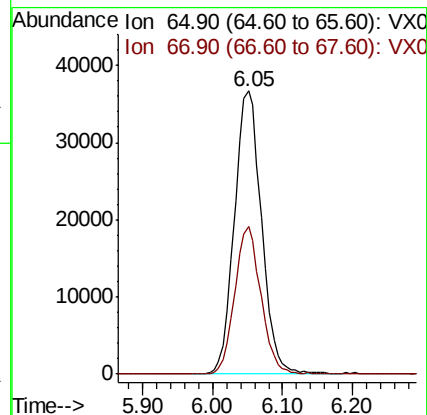
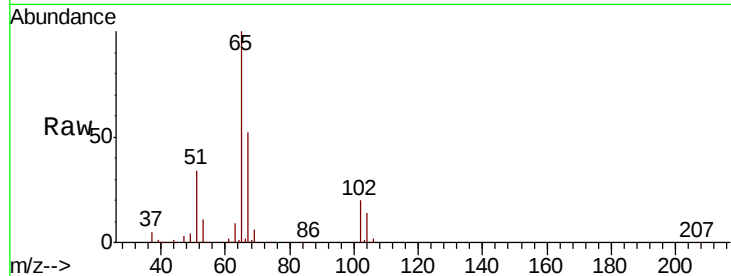
SB-6

Tgt Ion: 65 Resp: 98981

Ion Ratio Lower Upper

65 100

67 50.2 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: VX012100.D

Acq: 05 Sep 2019 14:51

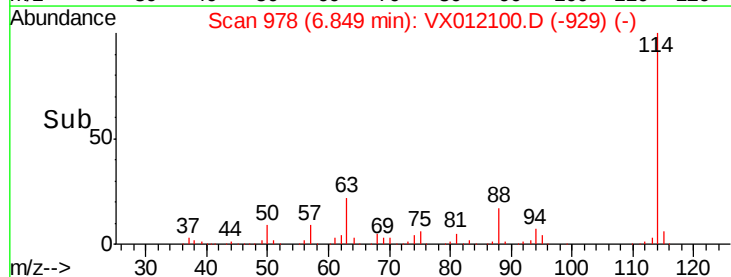
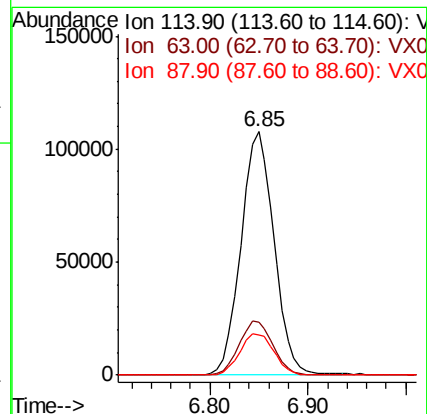
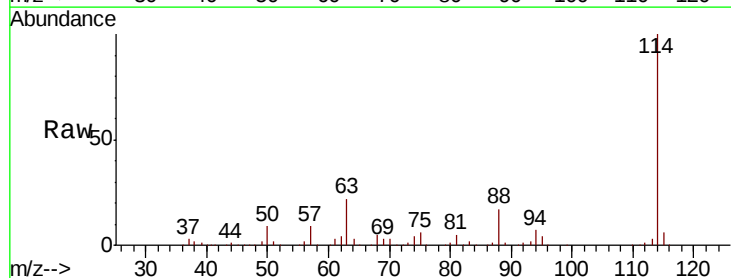
Tgt Ion: 114 Resp: 253337

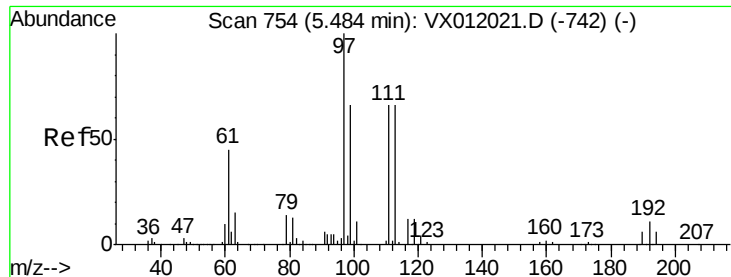
Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.4

88 16.7 0.0 29.6

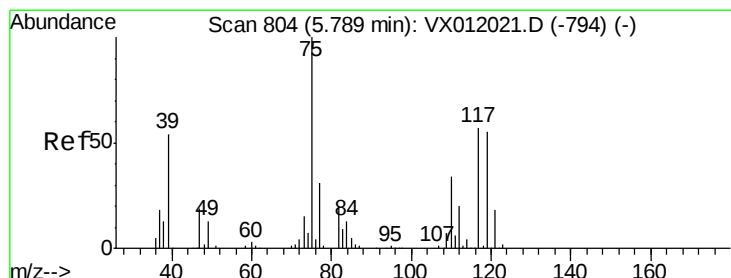
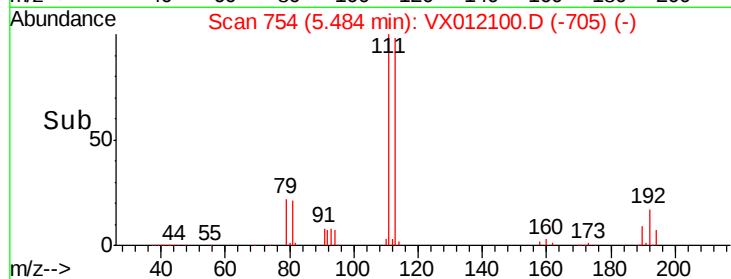
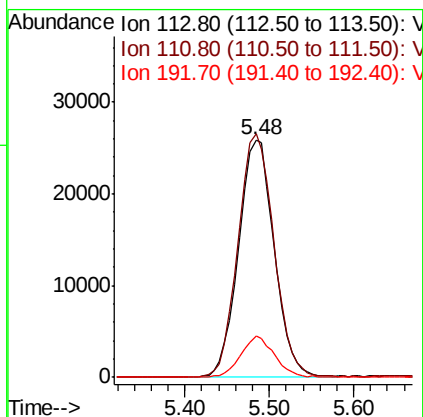
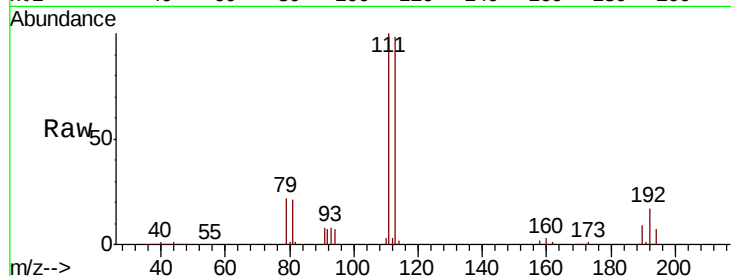




#35
 Dibromofluoromethane
 Concen: 47.692 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012100.D
 Acq: 05 Sep 2019 14:51

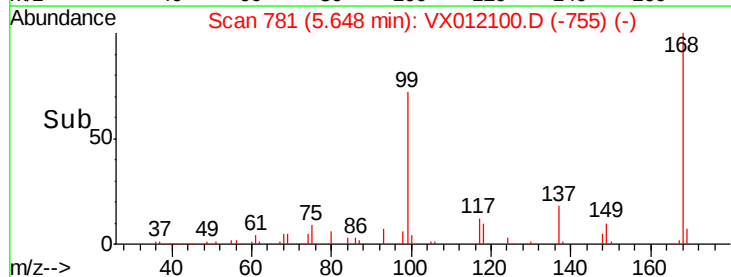
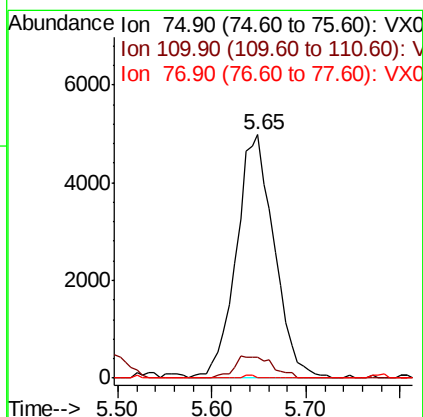
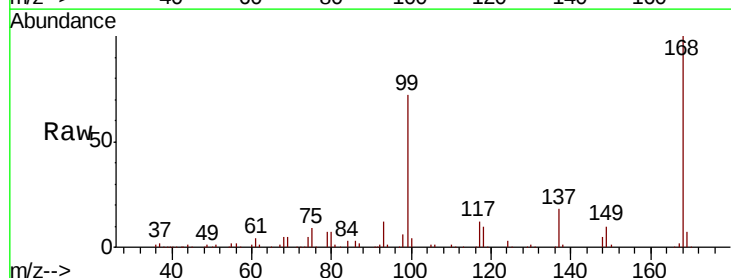
Instrument :
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 ClientSampleId :
 SB-6

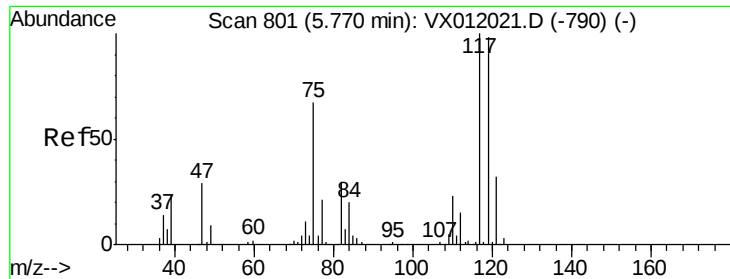
Tgt Ion:113 Resp: 74301
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.7 122.5
 192 16.4 22.5 33.7#



#36
 1,1-Dichloropropene
 Concen: 6.247 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012100.D
 Acq: 05 Sep 2019 14:51

Tgt Ion: 75 Resp: 13939
 Ion Ratio Lower Upper
 75 100
 110 9.2 19.5 58.5#
 77 0.3 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 7.186 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012100.D

Acq: 05 Sep 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

SB-6

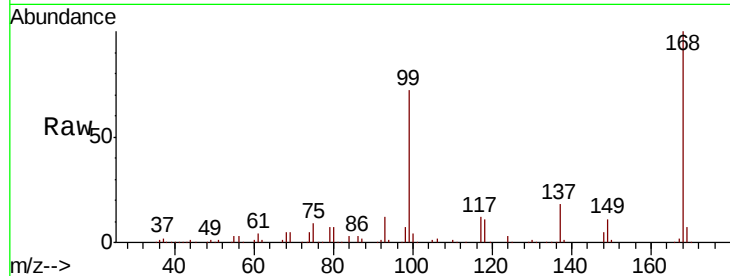
Tgt Ion:117 Resp: 16895

Ion Ratio Lower Upper

117 100

119 4.0 78.3 117.5#

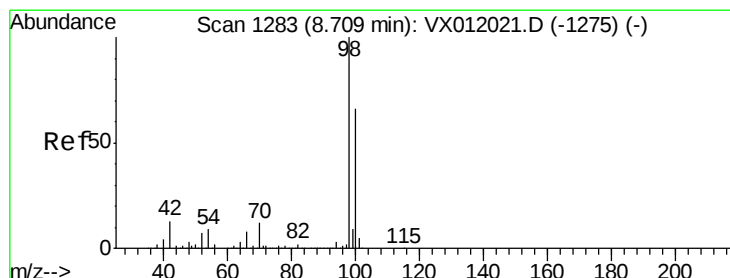
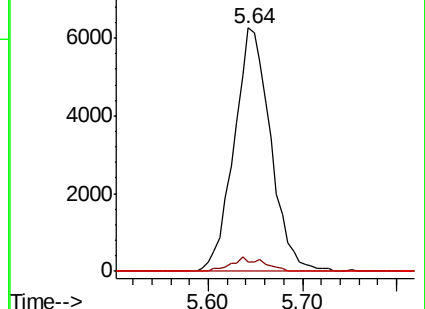
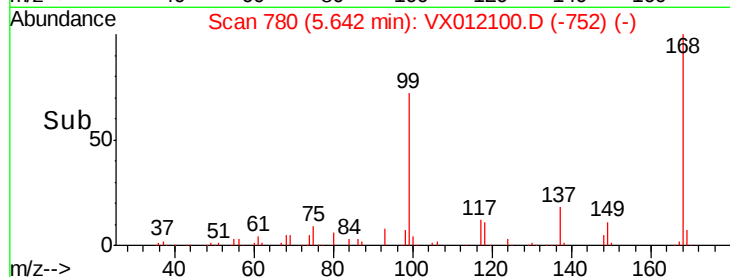
121 0.0 24.2 36.2#



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: 52.844 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012100.D

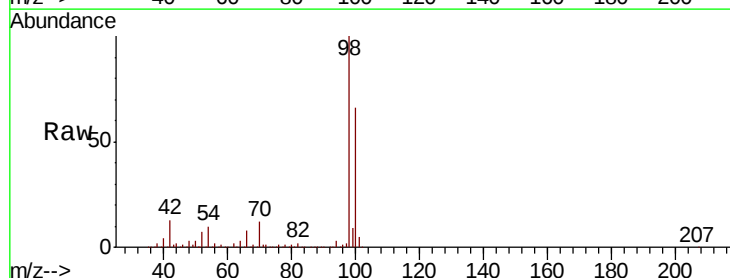
Acq: 05 Sep 2019 14:51

Tgt Ion: 98 Resp: 302108

Ion Ratio Lower Upper

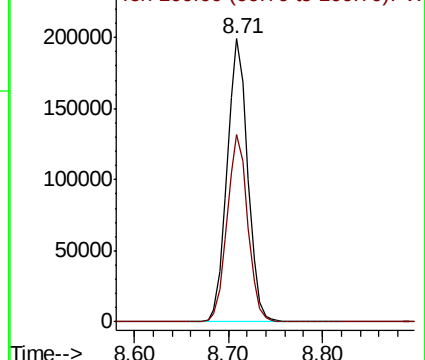
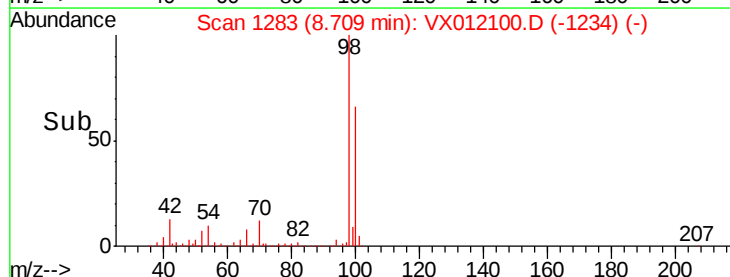
98 100

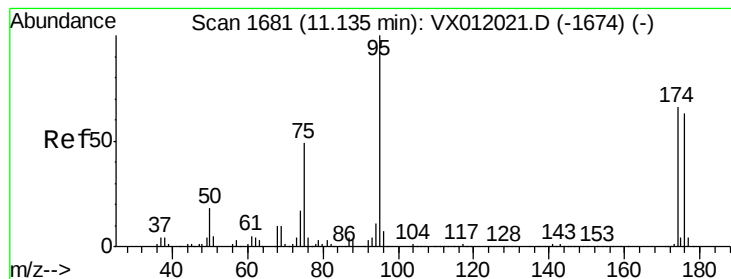
100 66.3 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.487 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012100.D

Acq: 05 Sep 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

SB-6

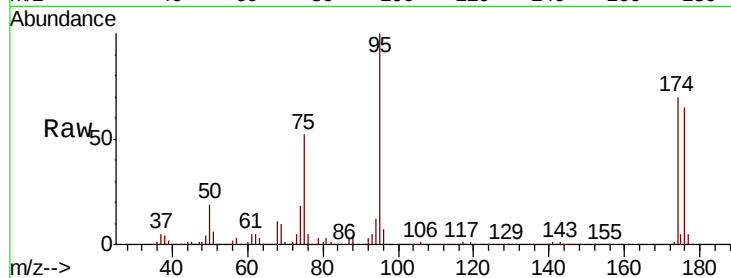
Tgt Ion: 95 Resp: 120937

Ion Ratio Lower Upper

95 100

174 64.9 0.0 205.4

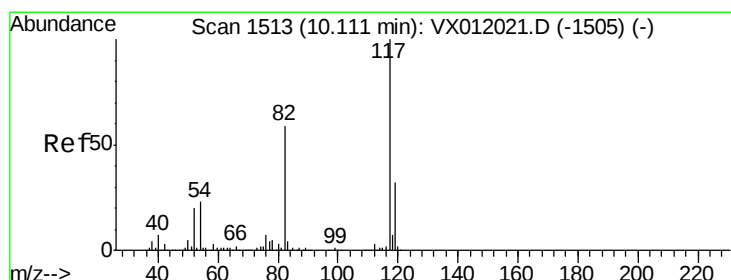
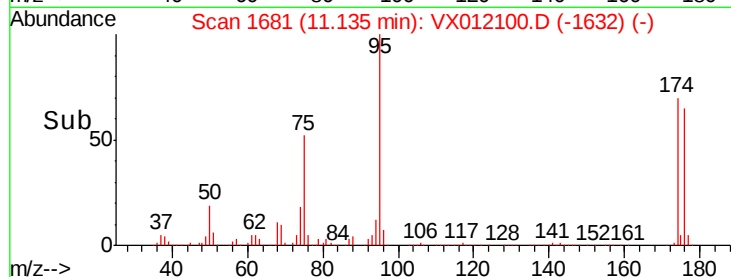
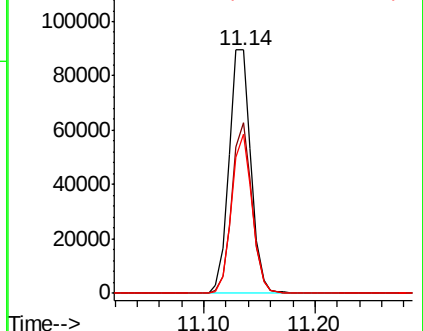
176 61.9 0.0 201.8



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: VX012100.D

Acq: 05 Sep 2019 14:51

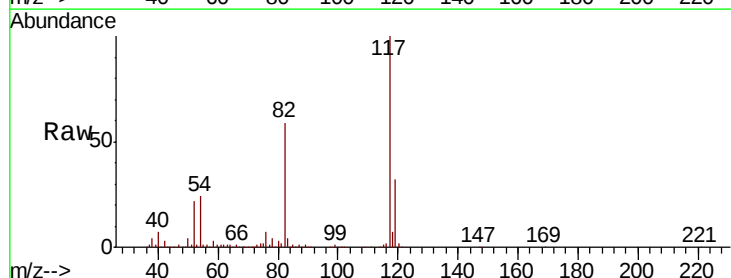
Tgt Ion: 117 Resp: 223769

Ion Ratio Lower Upper

117 100

82 58.5 39.4 59.0

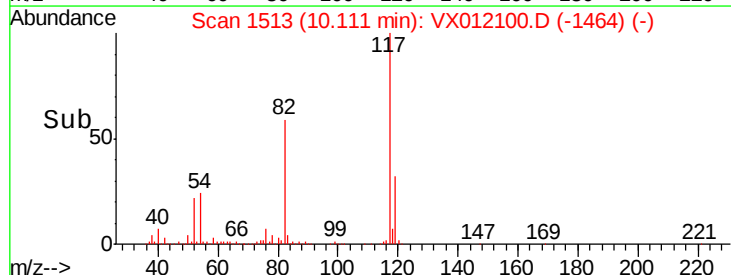
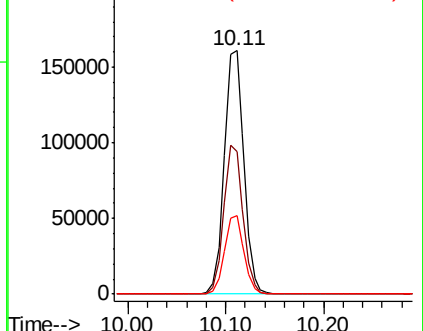
119 31.9 26.1 39.1

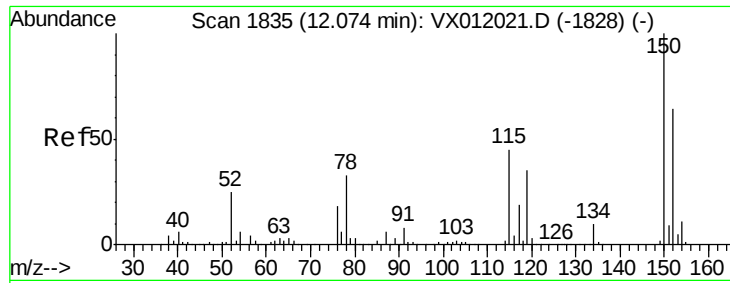


Abundance Ion 116.90 (116.60 to 117.60): VX012021.D (-1505) (-)

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: VX012100.D

Acq: 05 Sep 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

SB-6

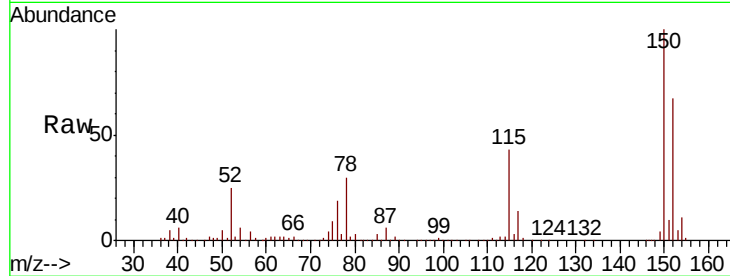
Tgt Ion:152 Resp: 101578

Ion Ratio Lower Upper

152 100

115 66.9 36.4 109.3

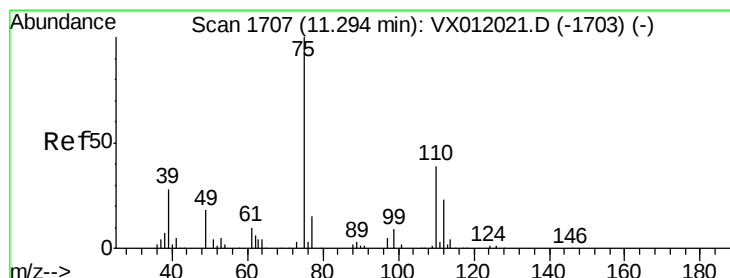
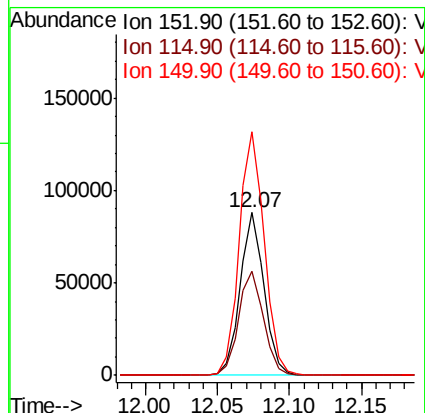
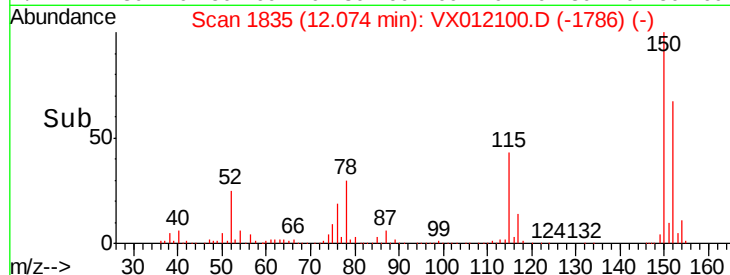
150 156.6 0.0 341.2



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: 50.933 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012100.D

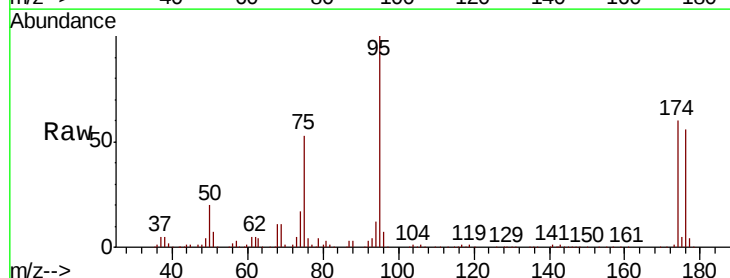
Acq: 05 Sep 2019 14:51

Tgt Ion: 75 Resp: 63214

Ion Ratio Lower Upper

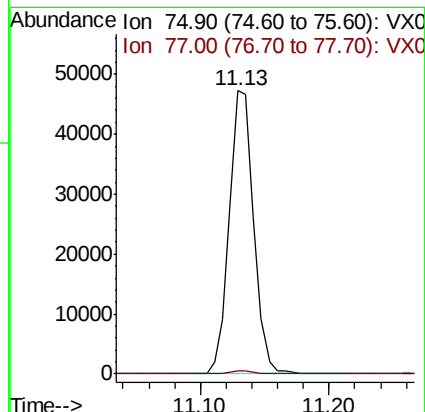
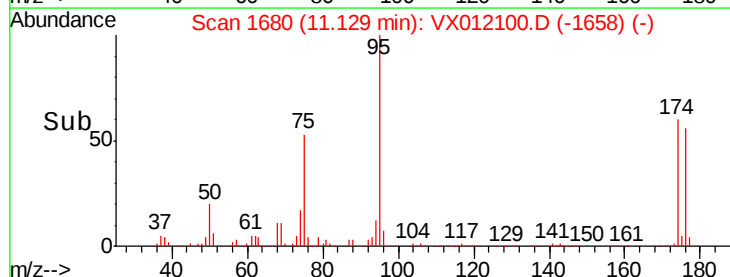
75 100

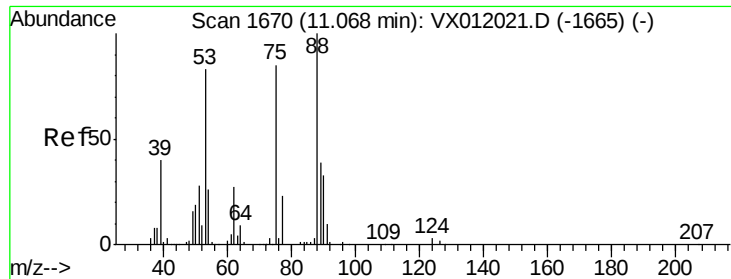
77 1.0 23.5 70.5#



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: 120.413 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012100.D

Acq: 05 Sep 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

SB-6

Tgt Ion: 75 Resp: 63214

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.1 38.8 58.2#

