

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100318\
 Data File : VX004923.D
 Acq On : 02 Oct 2018 17:14
 Operator : JC/MD
 Sample : VX1003WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003WBL01

Quant Time: Oct 03 04:40:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	208107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	343819	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	336488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	188273	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	160671	54.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.10%	
35) Dibromofluoromethane	5.50	113	136684	46.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.82%	
50) Toluene-d8	8.71	98	499564	51.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	11.14	95	182660	52.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.68%	

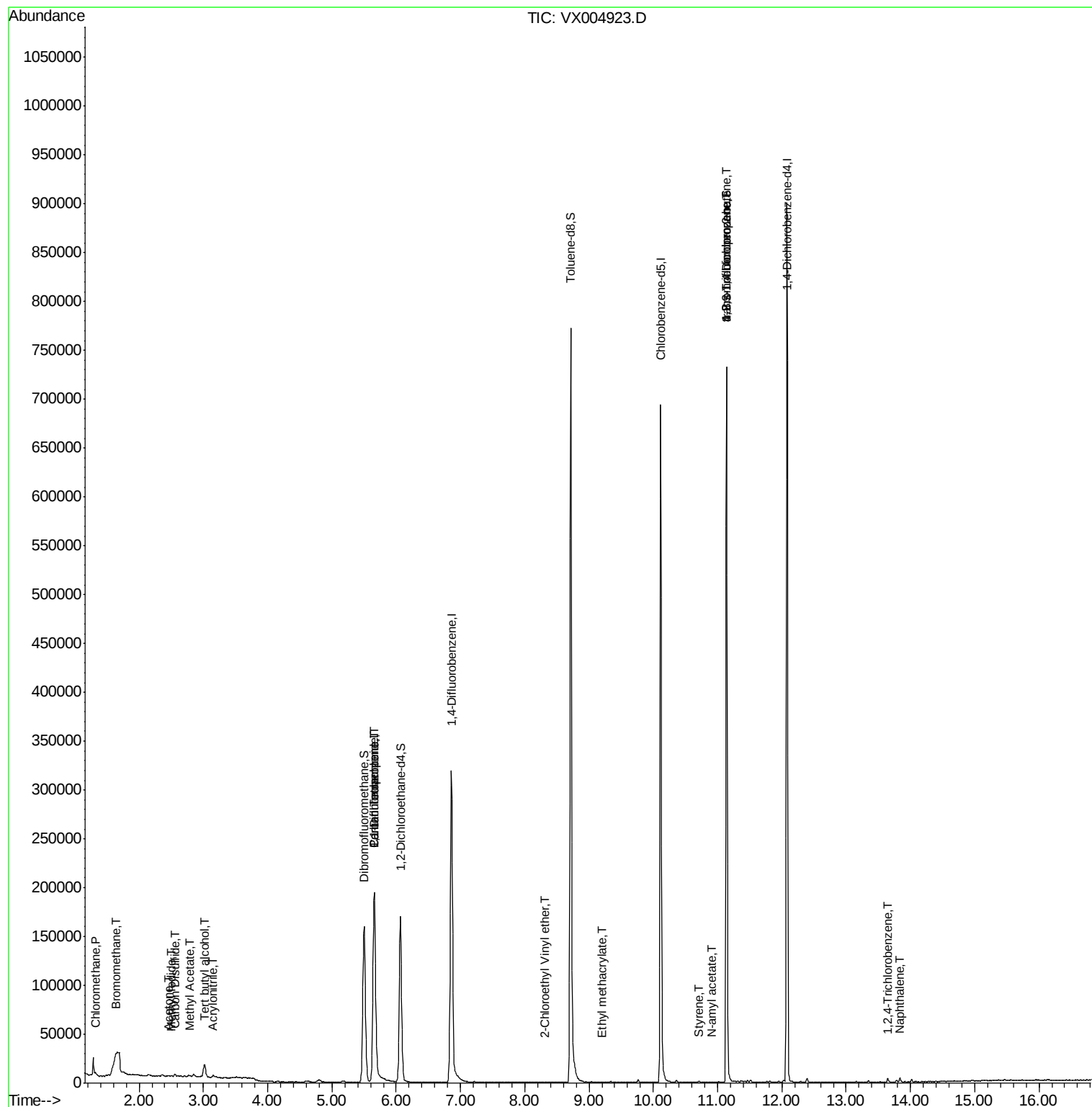
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1374	0.399	ug/l	94
5) Bromomethane	1.64	94	1463	0.764	ug/l	85
6) Chloroethane	1.68	64	102	Below Cal	#	53
10) Methyl Iodide	2.50	142	766	0.251	ug/l #	72
11) Tert butyl alcohol	3.02	59	8131	9.782	ug/l #	79
15) Acrylonitrile	3.15	53	1020	0.557	ug/l #	81
16) Acetone	2.45	43	991	0.571	ug/l	92
17) Carbon Disulfide	2.56	76	2281	0.337	ug/l #	87
18) Methyl Acetate	2.79	43	1039	0.236	ug/l #	73
20) Methylene Chloride	2.85	84	969	Below Cal	#	85
36) 1,1-Dichloropropene	5.66	75	14513	3.650	ug/l #	46
38) Carbon Tetrachloride	5.65	117	18764	4.490	ug/l #	18
56) Ethyl methacrylate	9.20	69	21	2.866	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.32	63	169	14.304	ug/l #	49
70) Styrene	10.72	104	401	2.182	ug/l #	82
74) N-amyl acetate	10.90	43	170	1.773	ug/l #	52
76) 1,2,3-Trichloropropane	11.14	75	91318	21.640	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	398	Below Cal		97
81) trans-1,4-Dichloro-2-buten	11.14	75	91318	58.662	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	571	Below Cal		92
93) 1,2,4-Trichlorobenzene	13.65	180	1067	0.226	ug/l	98
95) Naphthalene	13.83	128	2711	0.890	ug/l #	95

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

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Instrument :
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Quant Time: Oct 03 04:40:43 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
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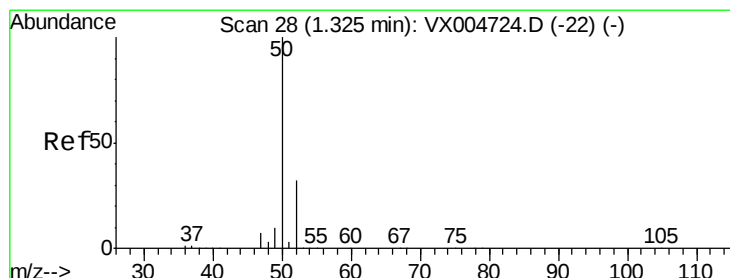
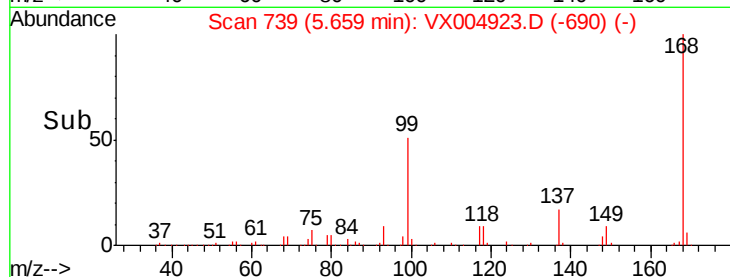
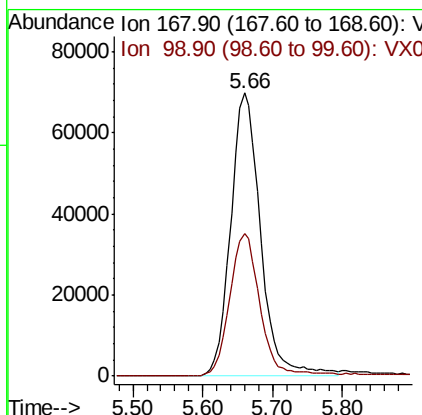
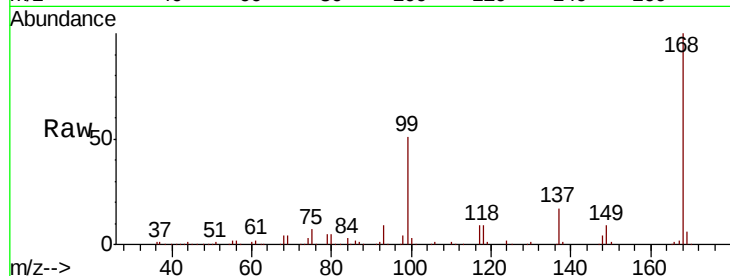




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.00 min
Lab File: VX004923.D
Acq: 02 Oct 2018 17:14

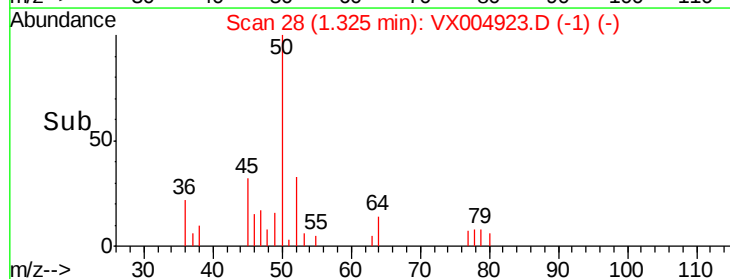
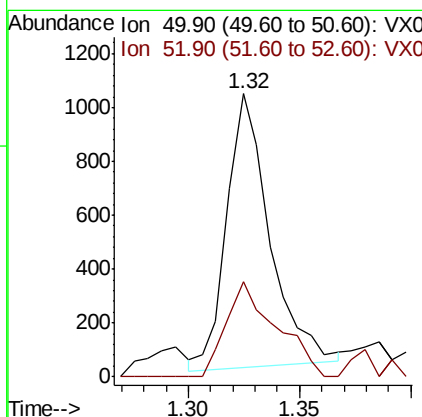
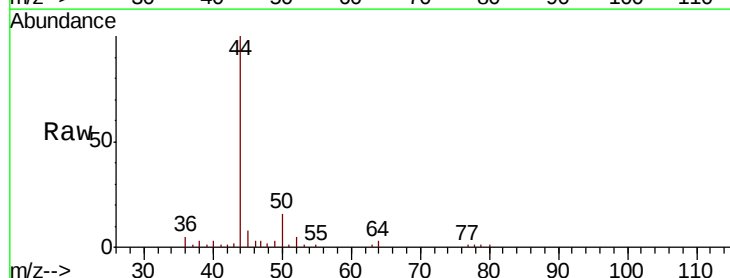
Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

Tot Ion:168 Resp: 208107
Ion Ratio Lower Upper
168 100
99 50.6 39.3 58.9



#3
Chloromethane
Concen: 0.399 ug/l
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX004923.D
Acq: 02 Oct 2018 17:14

Tgt Ion: 50 Resp: 1374
Ion Ratio Lower Upper
50 100
52 35.6 25.8 38.6





#5

Bromomethane

Concen: 0.764 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004923.D

Acq: 02 Oct 2018 17:14

Instrument :

MSVOA_X

ClientSampled :

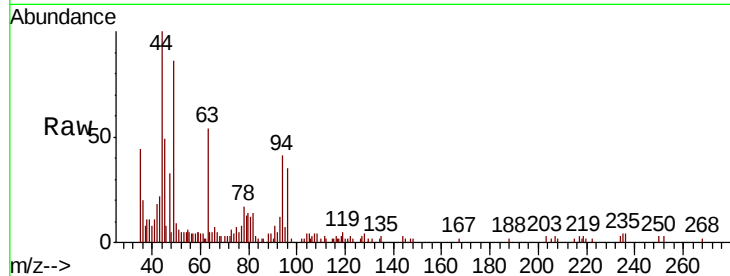
VX1003WBL01

Tot Ion: 94 Resp: 1463

Ion Ratio Lower Upper

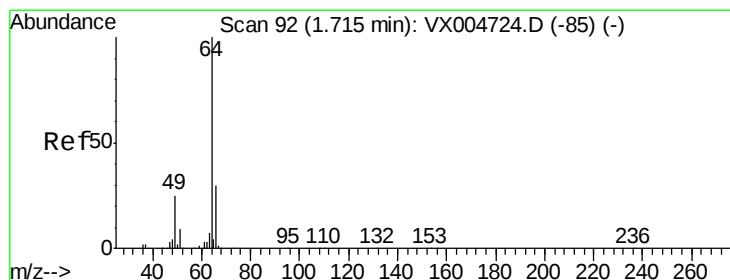
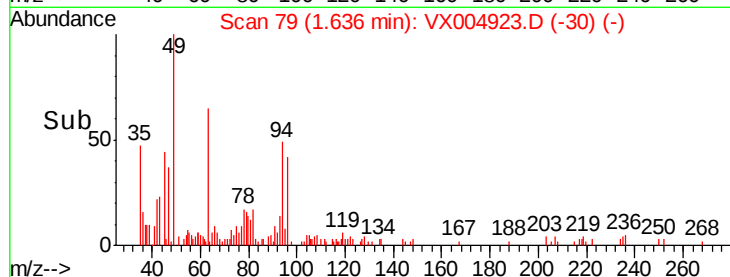
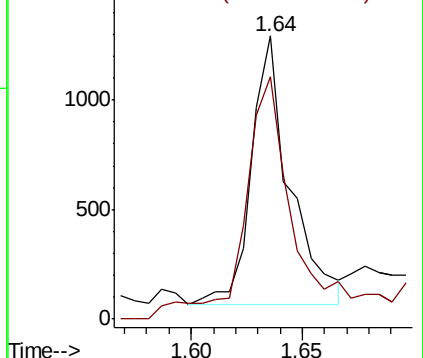
94 100

96 84.6 79.5 119.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 87

Delta R.T. -0.03 min

Lab File: VX004923.D

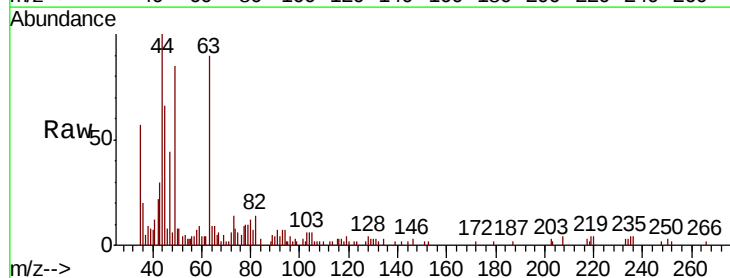
Acq: 02 Oct 2018 17:14

Tgt Ion: 64 Resp: 102

Ion Ratio Lower Upper

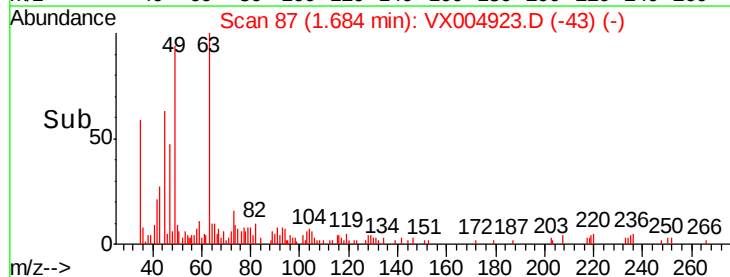
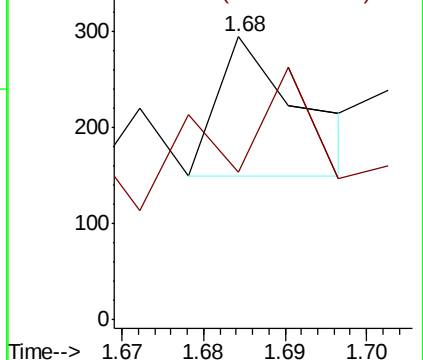
64 100

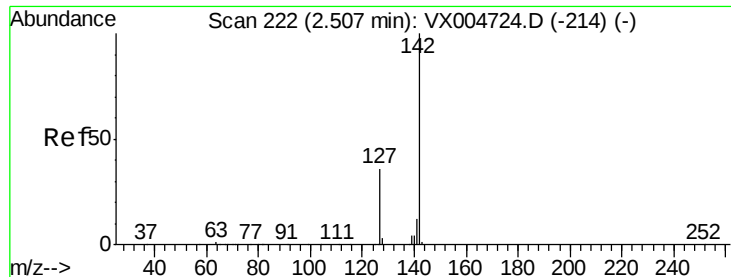
66 4.2 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

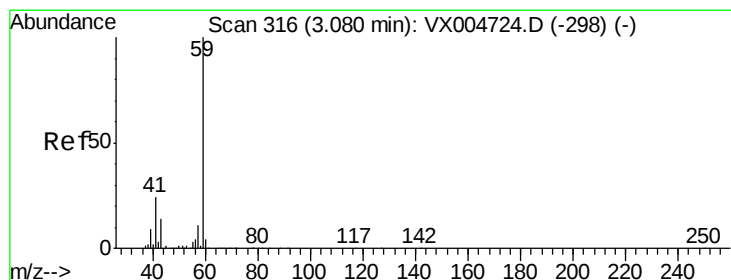
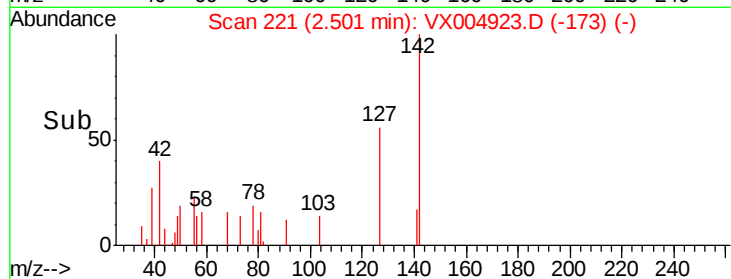
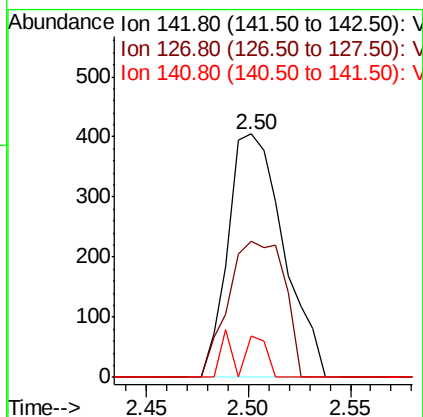
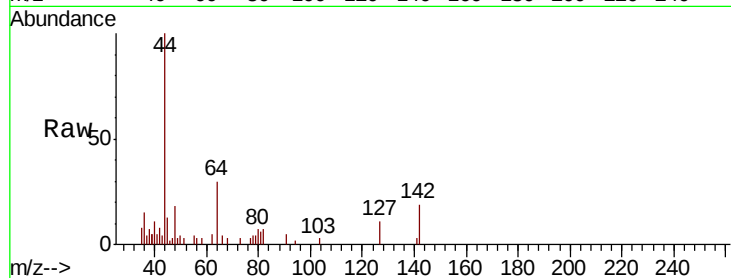




#10
Methvl Iodide
Concen: 0.251 ug/l
RT: 2.50 min Scan# 221
Delta R.T. -0.01 min
Lab File: VX004923.D
Acq: 02 Oct 2018 17:14

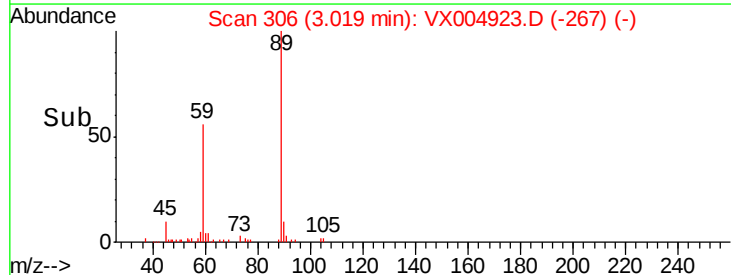
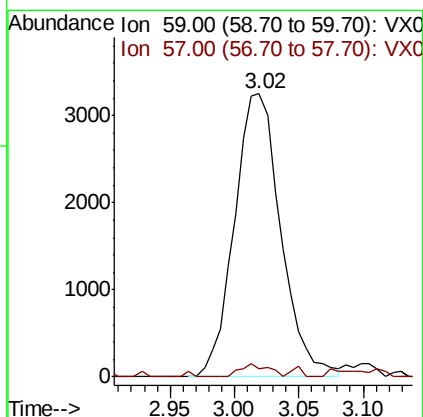
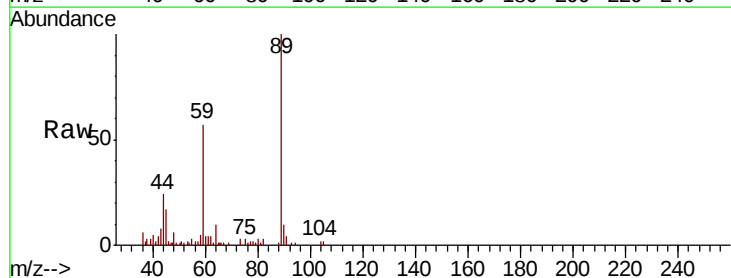
Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

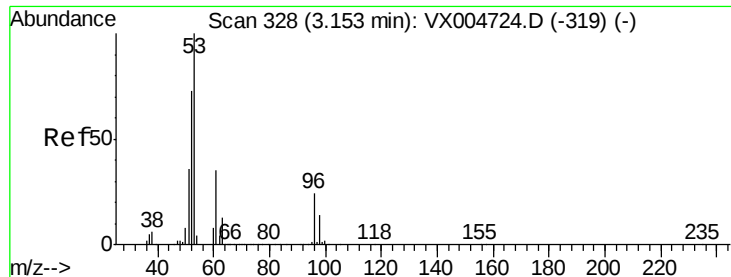
Tot Ion:142 Resp: 766
Ion Ratio Lower Upper
142 100
127 56.4 30.1 45.1#
141 6.1 10.1 15.1#



#11
Tert butyl alcohol
Concen: 9.782 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX004923.D
Acq: 02 Oct 2018 17:14

Tgt Ion: 59 Resp: 8131
Ion Ratio Lower Upper
59 100
57 2.7 8.6 12.8#





#15

Acrylonitrile

Concen: 0.557 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX004923.D

Acq: 02 Oct 2018 17:14

Instrument :

MSVOA_X

ClientSampleId :

VX1003WBL01

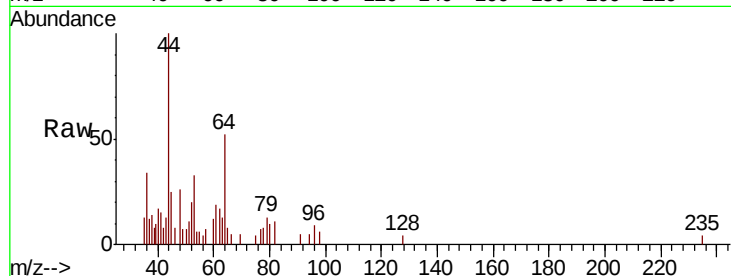
Tot Ion: 53 Resp: 1020

Ion Ratio Lower Upper

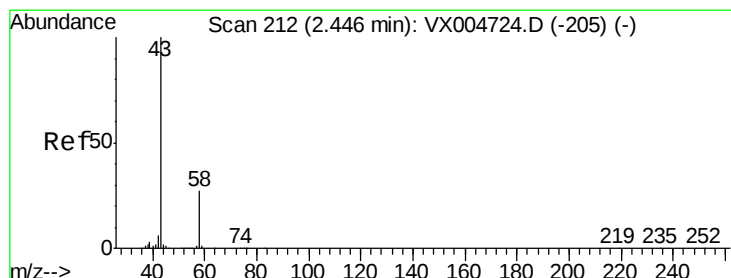
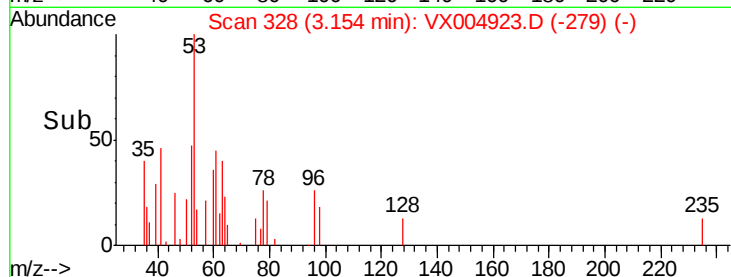
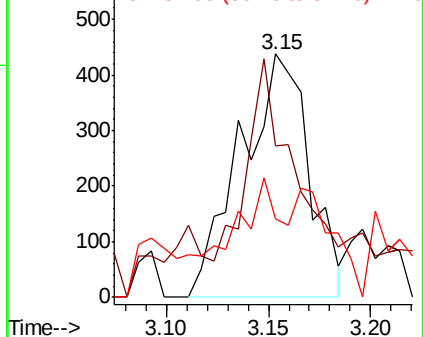
53 100

52 68.5 63.0 94.4

51 15.7 28.6 42.8#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.571 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004923.D

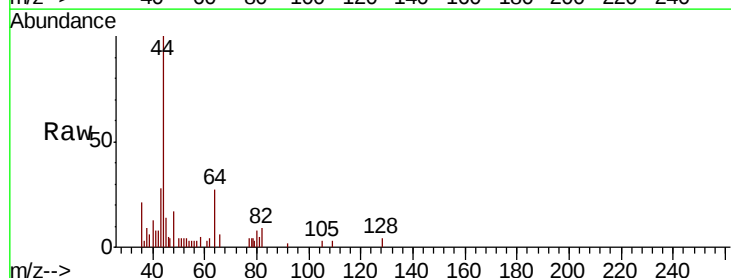
Acq: 02 Oct 2018 17:14

Tgt Ion: 43 Resp: 991

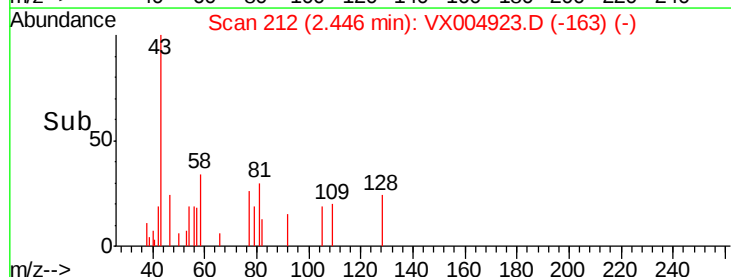
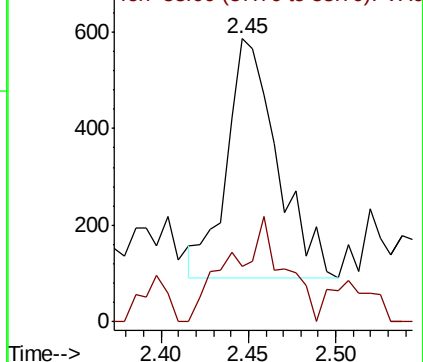
Ion Ratio Lower Upper

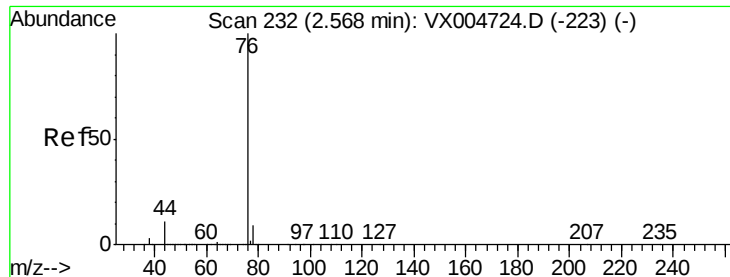
43 100

58 23.1 21.8 32.6



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

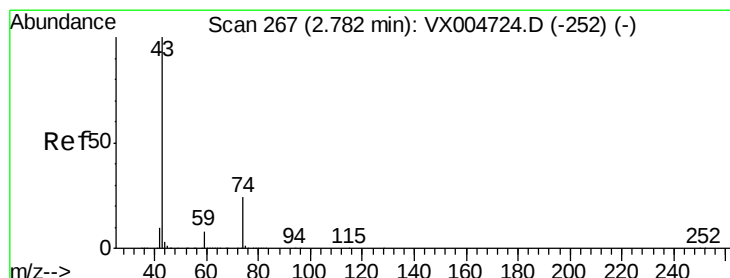
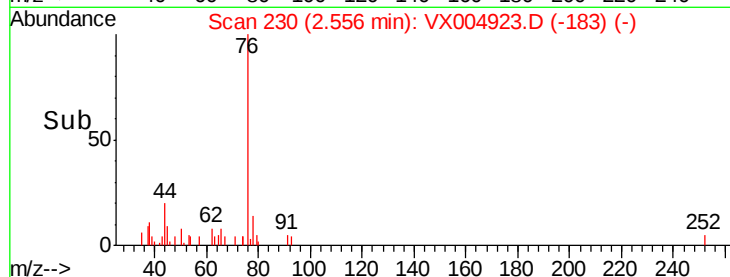
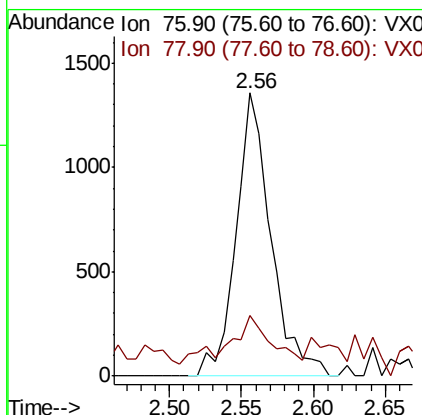
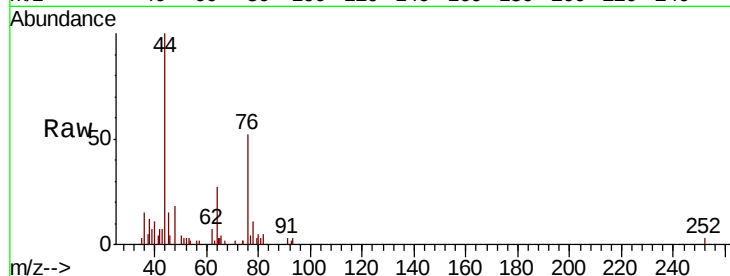




#17
Carbon Disulfide
Concen: 0.337 ug/l
RT: 2.56 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX004923.D
Acq: 02 Oct 2018 17:14

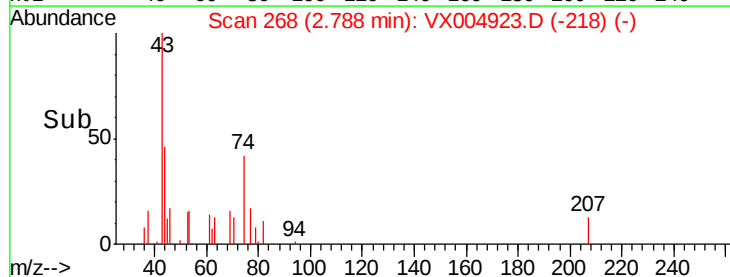
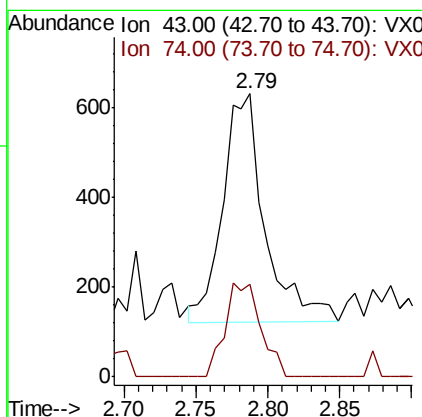
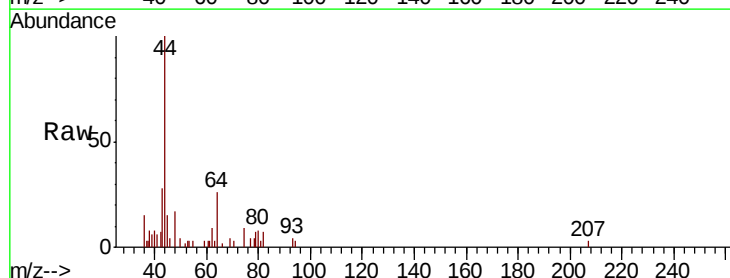
Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

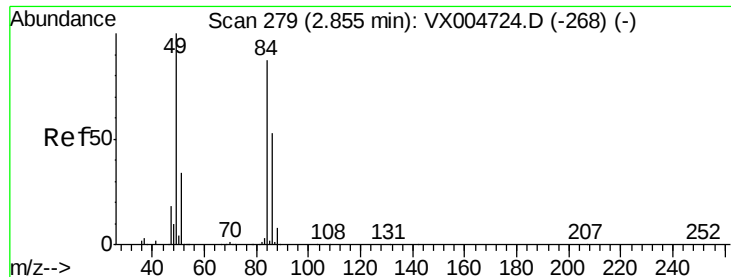
Tot Ion: 76 Resp: 2281
Ion Ratio Lower Upper
76 100
78 13.6 7.0 10.6#



#18
Methyl Acetate
Concen: 0.236 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX004923.D
Acq: 02 Oct 2018 17:14

Tgt Ion: 43 Resp: 1039
Ion Ratio Lower Upper
43 100
74 35.0 17.8 26.8#

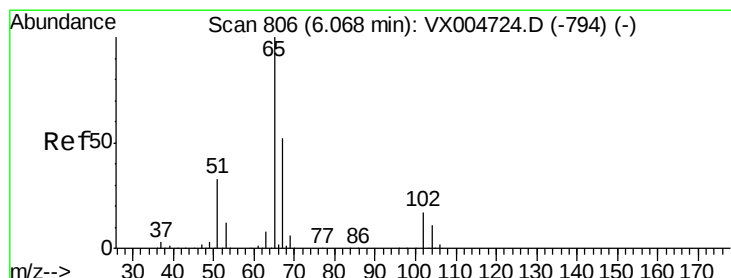
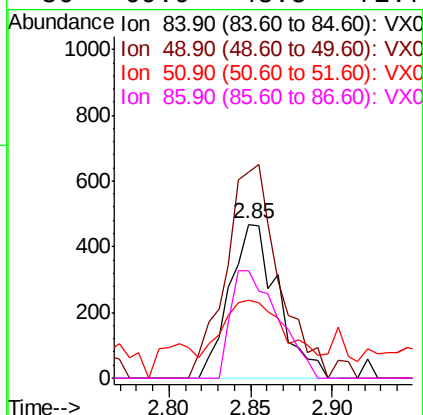
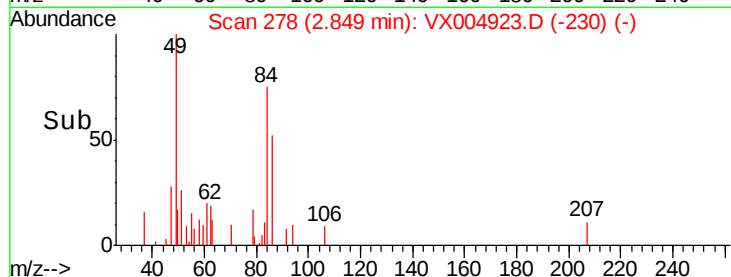
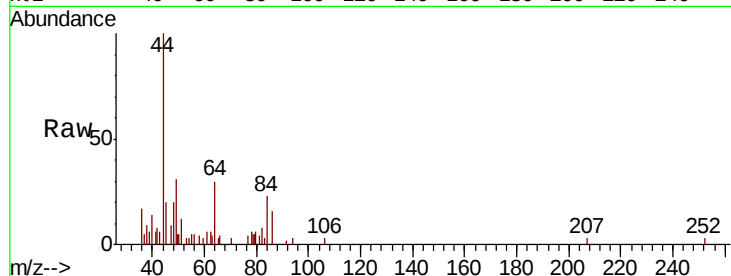




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX004923.D
Acq: 02 Oct 2018 17:14

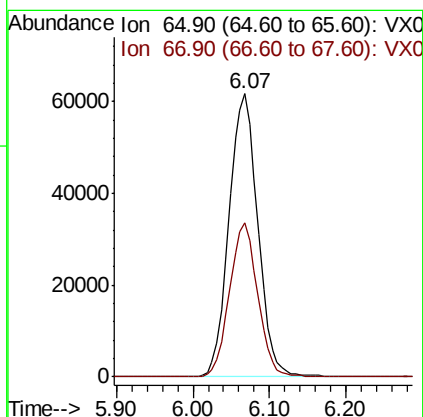
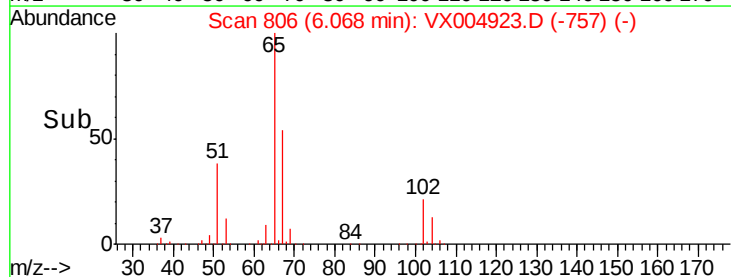
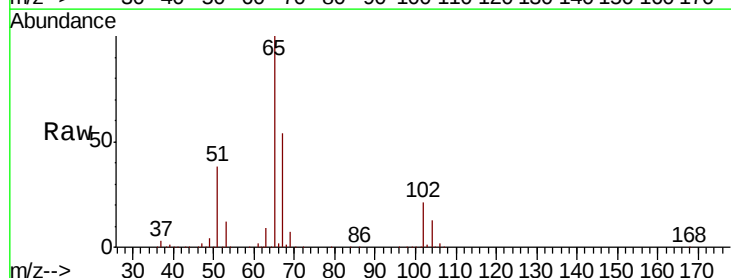
Instrument :
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VX1003WBL01

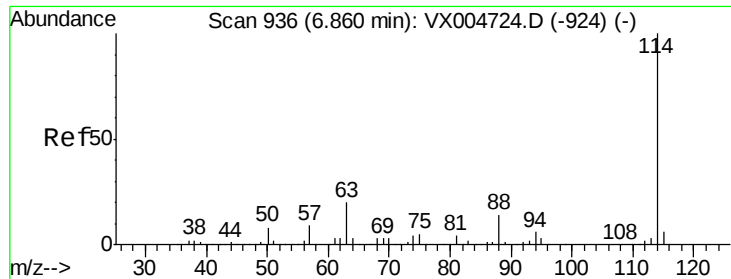
Tot Ion: 84 Resp: 969
Ion Ratio Lower Upper
84 100
49 133.7 92.3 138.5
51 30.9 31.8 47.6#
86 69.9 48.5 72.7



#33
1,2-Dichloroethane-d4
Concen: 54.047 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX004923.D
Acq: 02 Oct 2018 17:14

Tgt Ion: 65 Resp: 160671
Ion Ratio Lower Upper
65 100
67 53.4 0.0 107.4

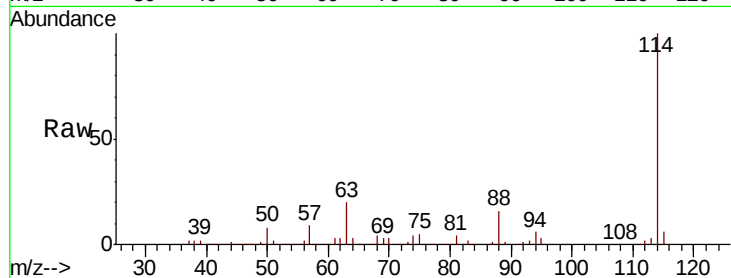




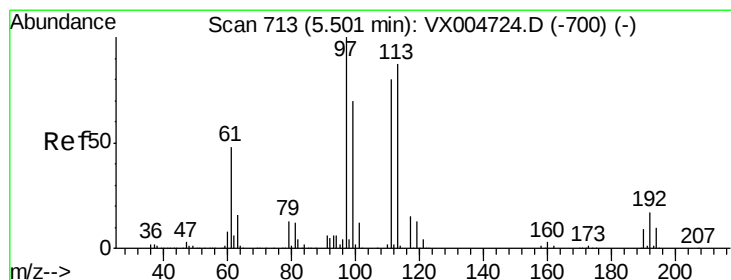
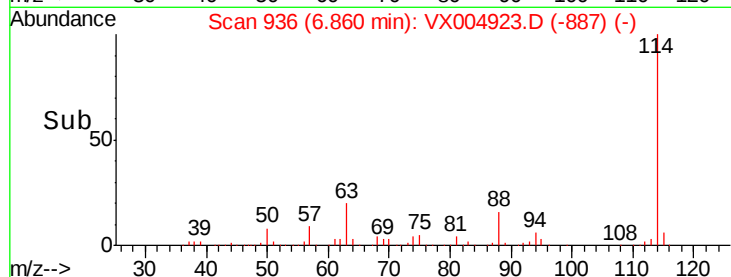
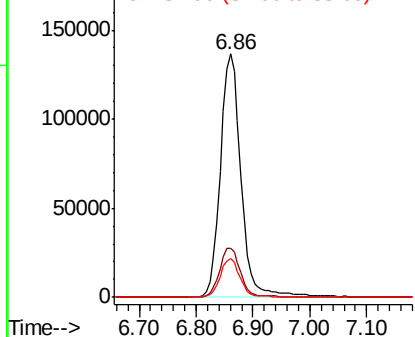
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004923.D
 Acq: 02 Oct 2018 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003WBL01

Tot Ion:114 Resp: 343819
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.8
 88 15.9 0.0 27.0

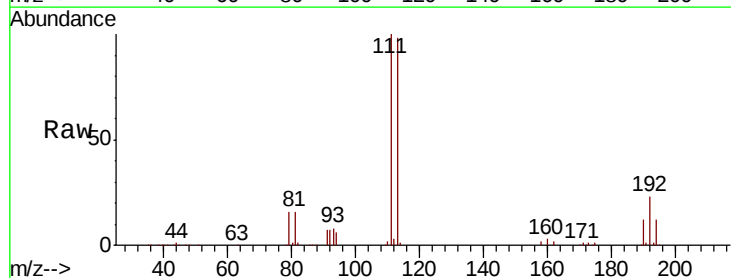


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

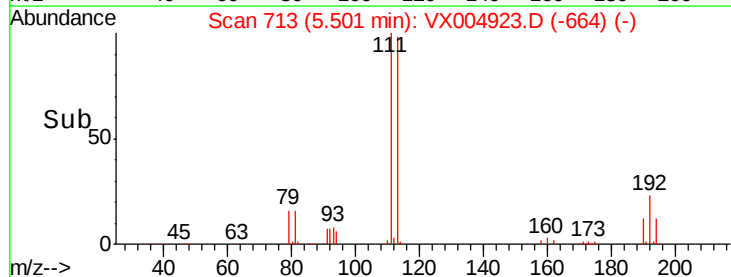
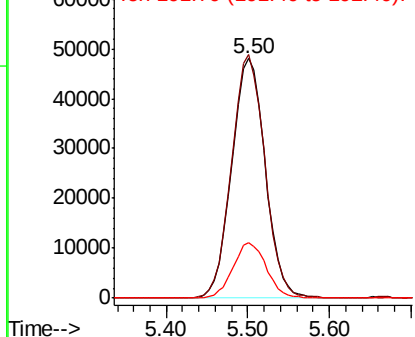


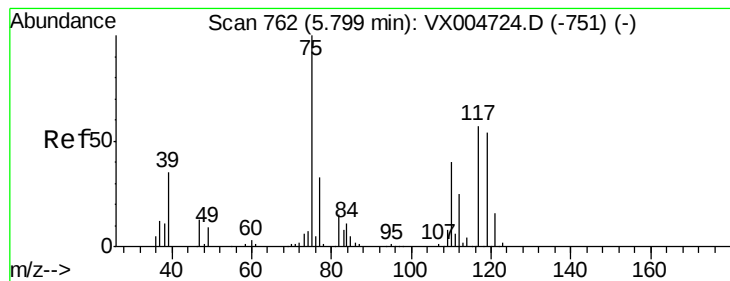
#35
 Dibromofluoromethane
 Concen: 46.907 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004923.D
 Acq: 02 Oct 2018 17:14

Tgt Ion:113 Resp: 136684
 Ion Ratio Lower Upper
 113 100
 111 101.0 77.0 115.4
 192 23.1 17.0 25.6



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: 3.650 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX004923.D

Acq: 02 Oct 2018 17:14

Instrument :

MSVOA_X

ClientSampleId :

VX1003WBL01

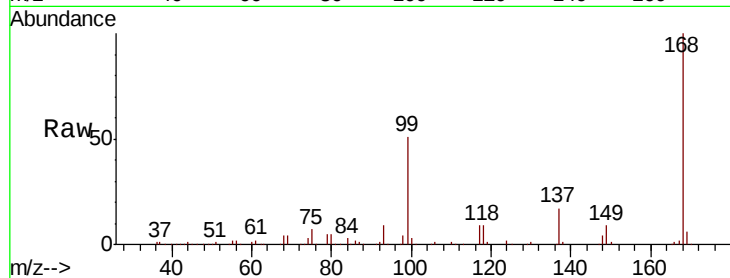
Tot Ion: 75 Resp: 14513

Ion Ratio Lower Upper

75 100

110 8.8 20.0 59.9#

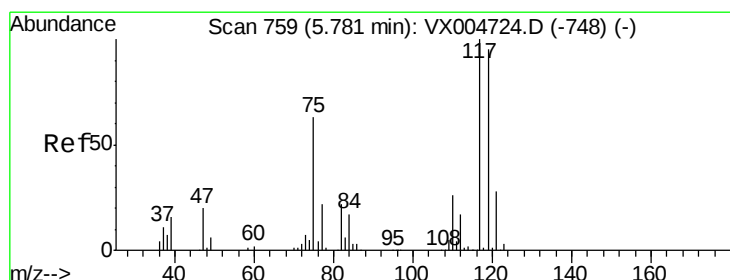
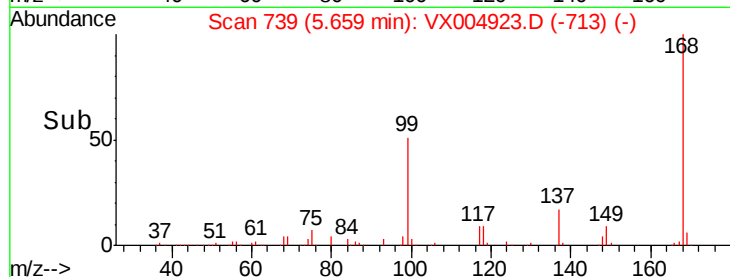
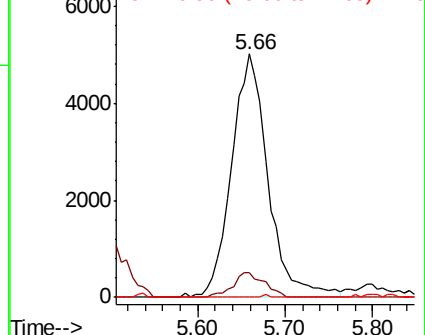
77 0.0 27.1 40.7#



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: 4.490 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX004923.D

Acq: 02 Oct 2018 17:14

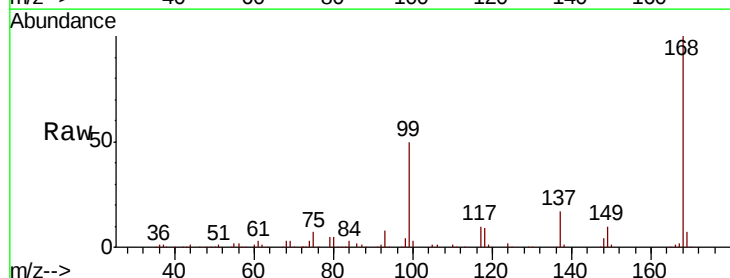
Tgt Ion: 117 Resp: 18764

Ion Ratio Lower Upper

117 100

119 6.2 75.2 112.8#

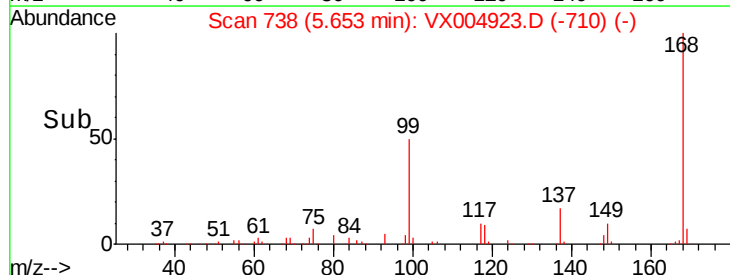
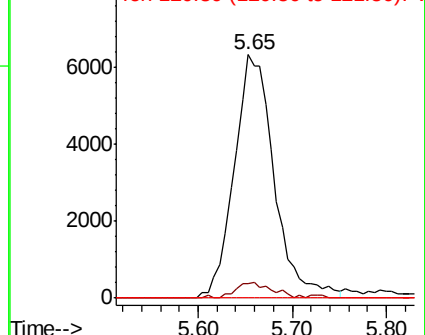
121 0.0 22.5 33.7#

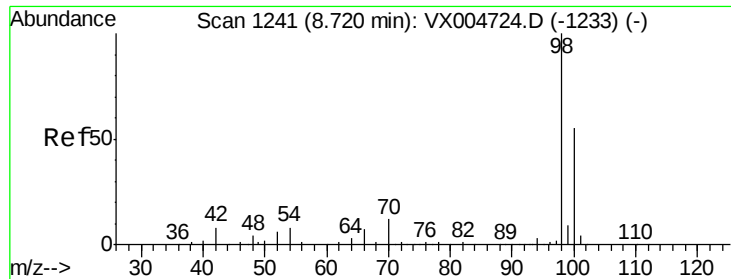


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.569 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004923.D

Acq: 02 Oct 2018 17:14

Instrument :

MSVOA_X

ClientSampleId :

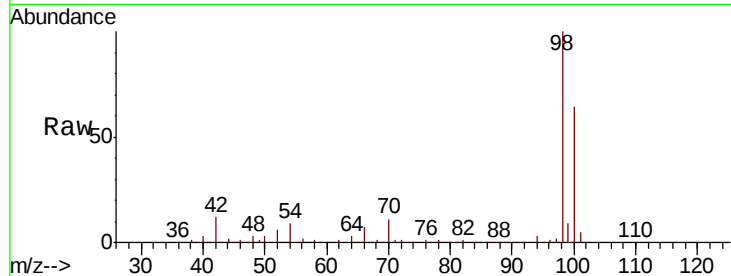
VX1003WBL01

Tot Ion: 98 Resp: 499564

Ion Ratio Lower Upper

98 100

100 63.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

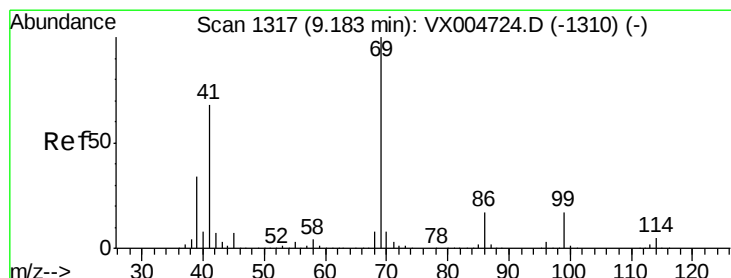
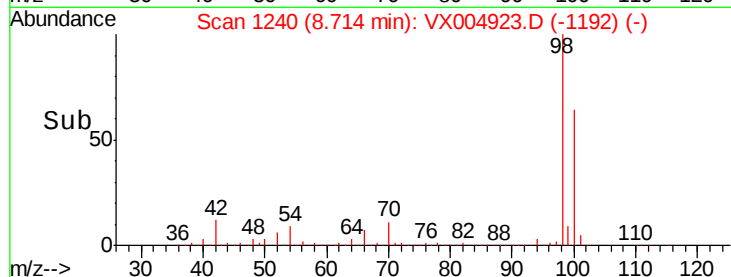
300000

200000

100000

0

Time-->



#56

Ethyl methacrylate

Concen: 2.866 ug/l

RT: 9.20 min Scan# 1320

Delta R.T. 0.02 min

Lab File: VX004923.D

Acq: 02 Oct 2018 17:14

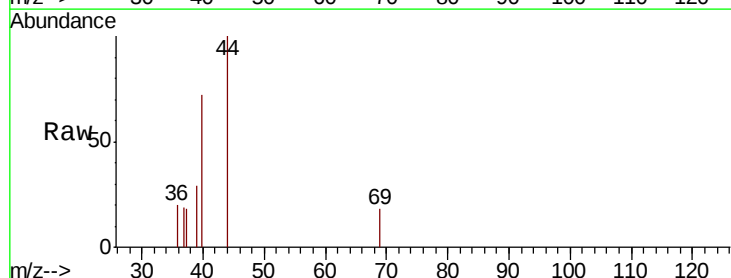
Tgt Ion: 69 Resp: 21

Ion Ratio Lower Upper

69 100

41 0.0 56.9 85.3#

39 257.1 28.4 42.6#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

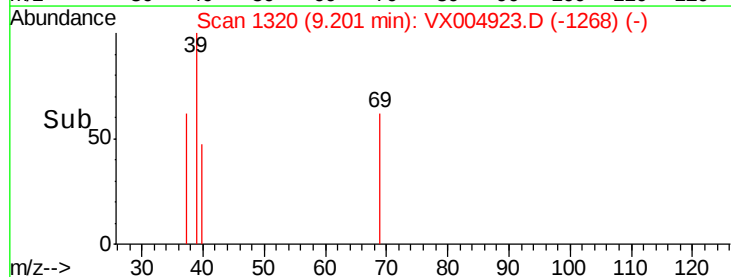
150

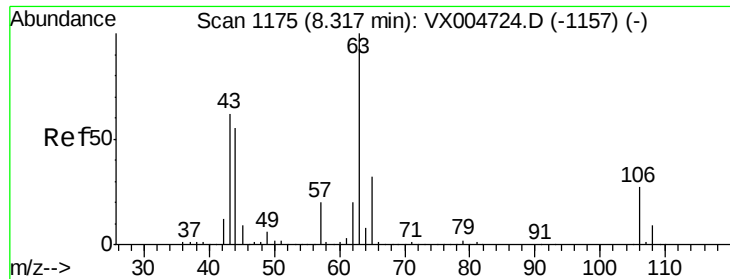
100

50

0

Time-->

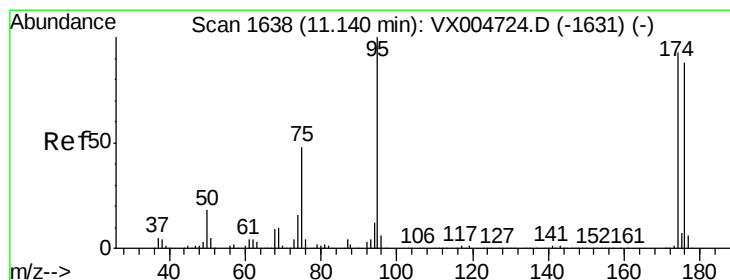
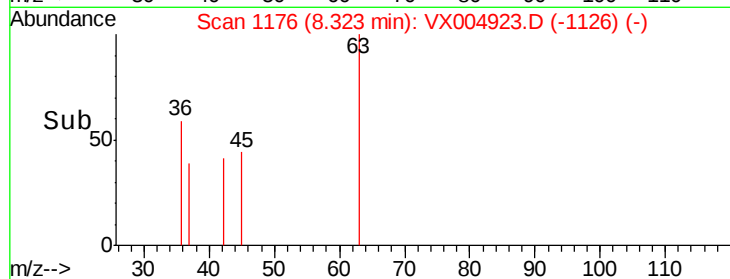
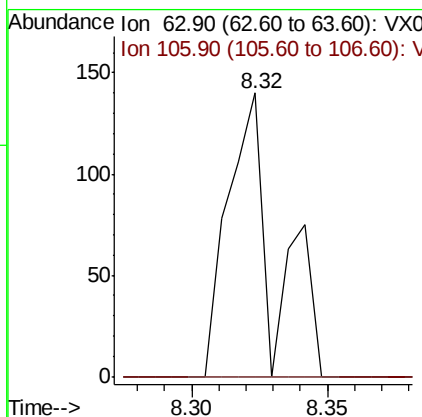
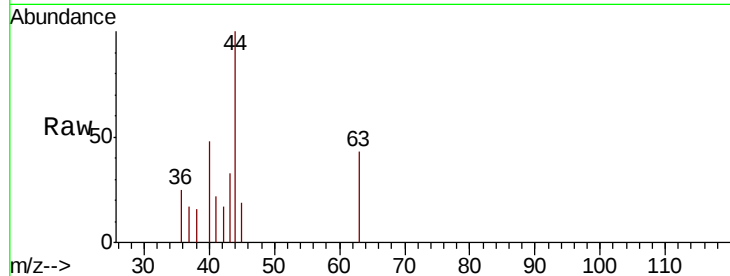




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.304 ug/l
 RT: 8.32 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VX004923.D
 Acq: 02 Oct 2018 17:14

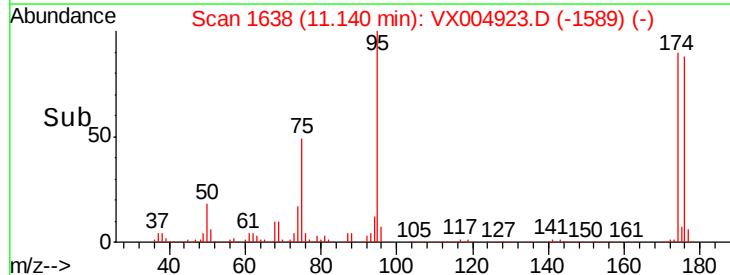
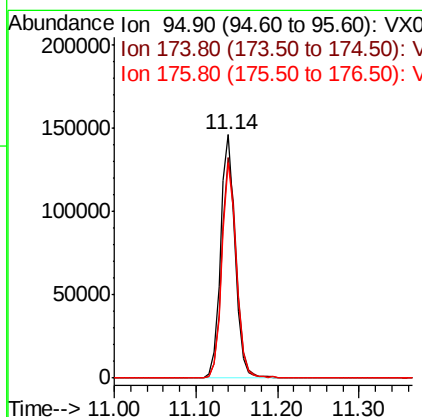
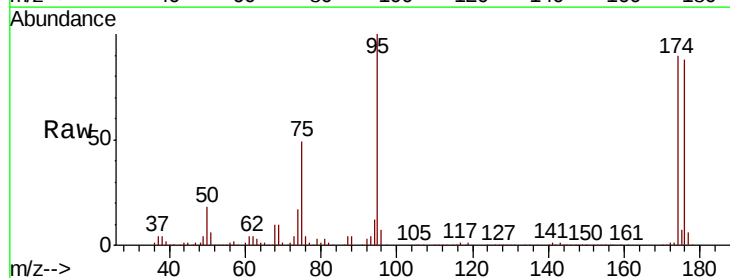
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003WBL01

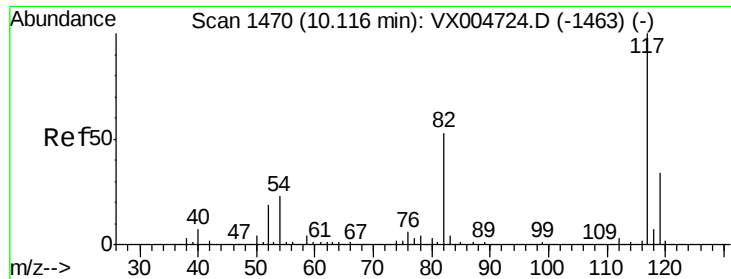
Tot Ion: 63 Resp: 169
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.0 31.6#



#62
 4-Bromofluorobenzene
 Concen: 52.340 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX004923.D
 Acq: 02 Oct 2018 17:14

Tgt Ion: 95 Resp: 182660
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 185.0
 176 87.7 0.0 180.2

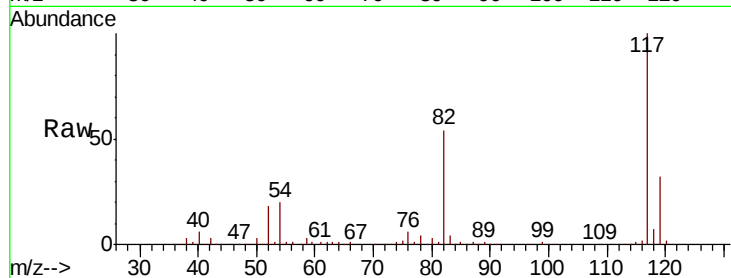




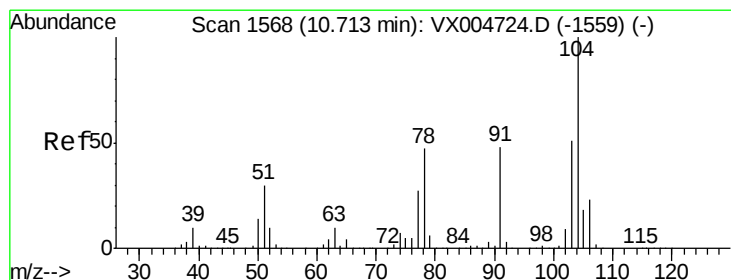
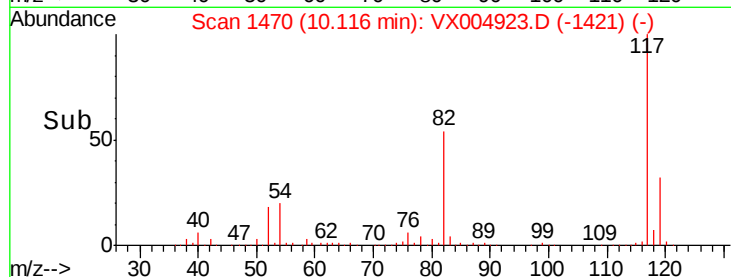
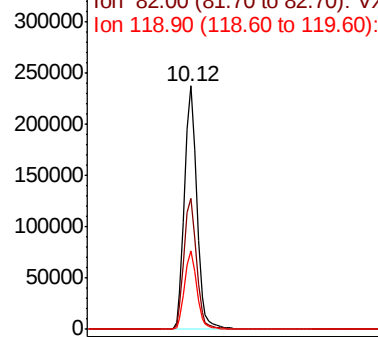
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004923.D
Acq: 02 Oct 2018 17:14

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

Tot Ion:117 Resp: 336488
Ion Ratio Lower Upper
117 100
82 53.9 42.2 63.4
119 32.2 27.4 41.0

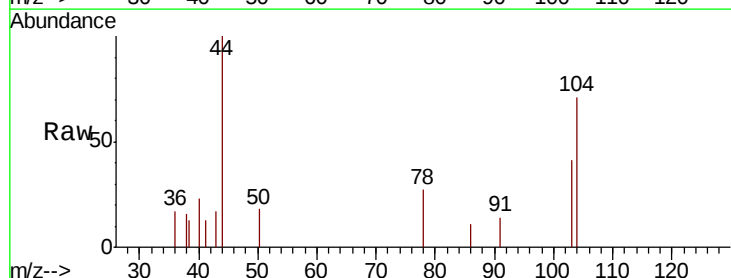


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

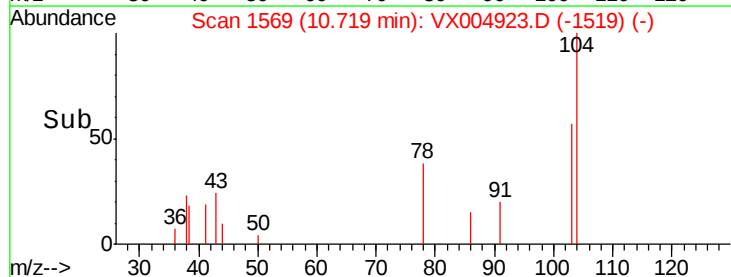
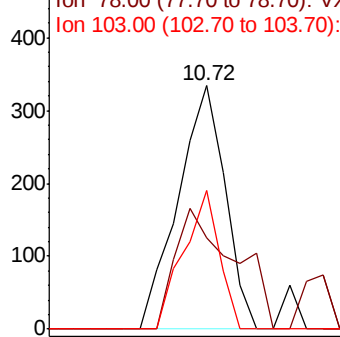


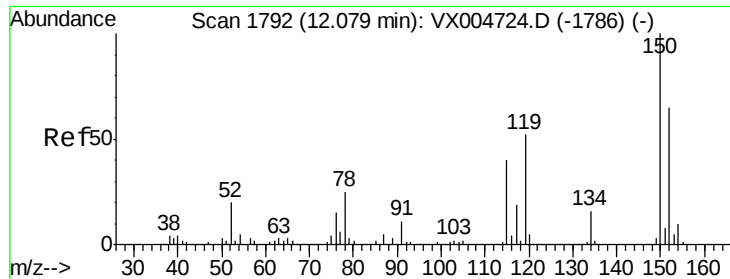
#70
Styrene
Concen: 2.182 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX004923.D
Acq: 02 Oct 2018 17:14

Tgt Ion:104 Resp: 401
Ion Ratio Lower Upper
104 100
78 62.6 40.0 60.0#
103 43.1 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004923.D

Acq: 02 Oct 2018 17:14

Instrument :

MSVOA_X

ClientSampleId :

VX1003WBL01

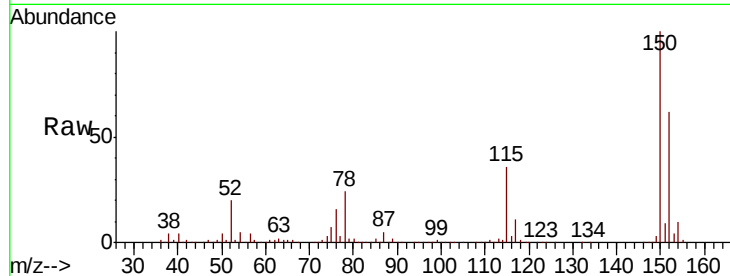
Tot Ion:152 Resp: 188273

Ion Ratio Lower Upper

152 100

115 55.7 40.2 120.6

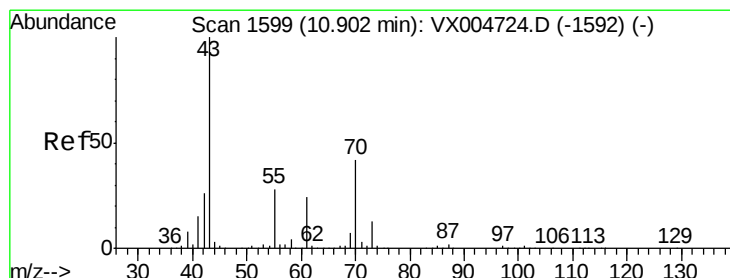
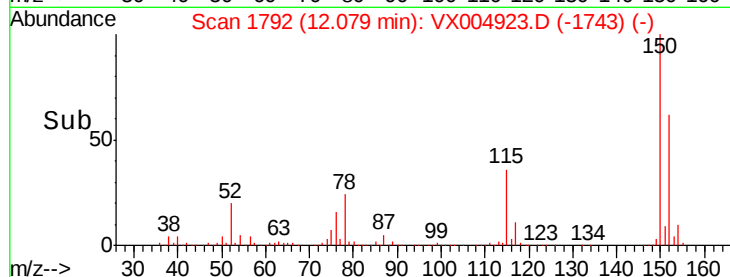
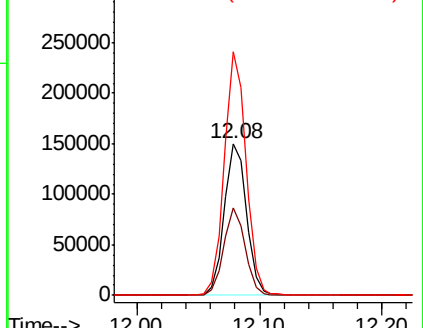
150 156.4 0.0 351.0



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



#74

N-ethyl acetate

Concen: 1.773 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004923.D

Acq: 02 Oct 2018 17:14

Tgt Ion: 43 Resp: 170

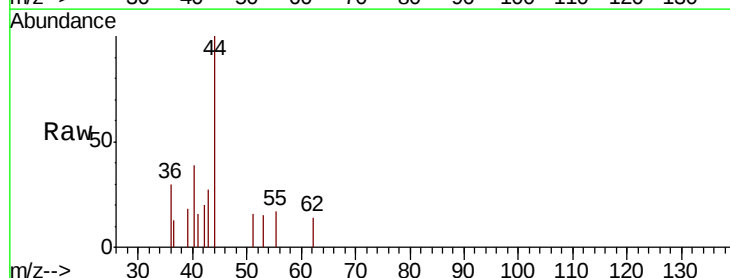
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 38.2 21.6 32.4#

61 0.0 19.1 28.7#

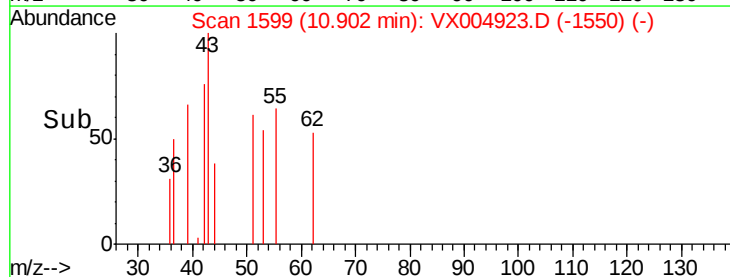
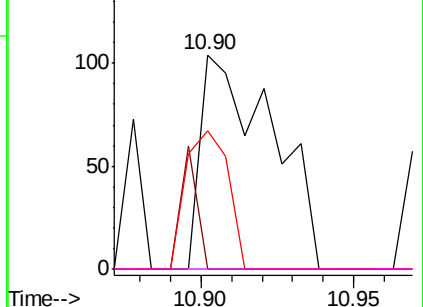


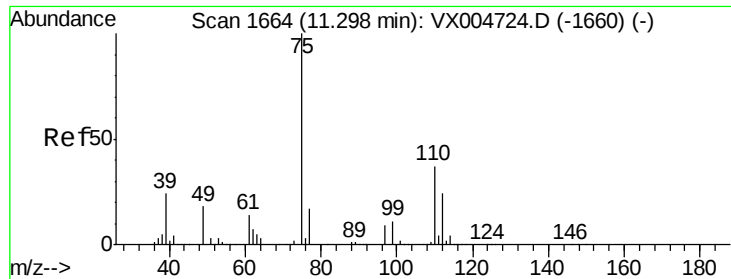
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

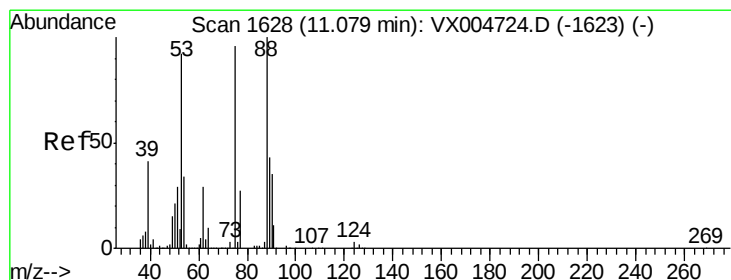
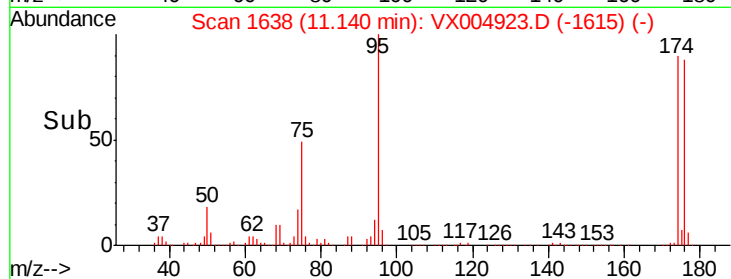
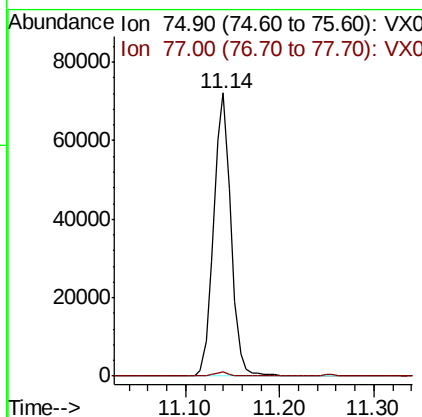
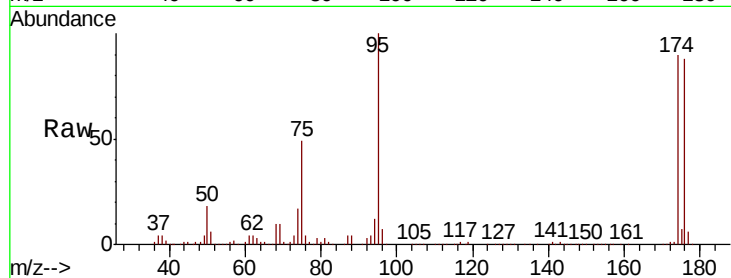




#76
 1,2,3-Trichloropropane
 Concen: 21.640 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004923.D
 Acq: 02 Oct 2018 17:14

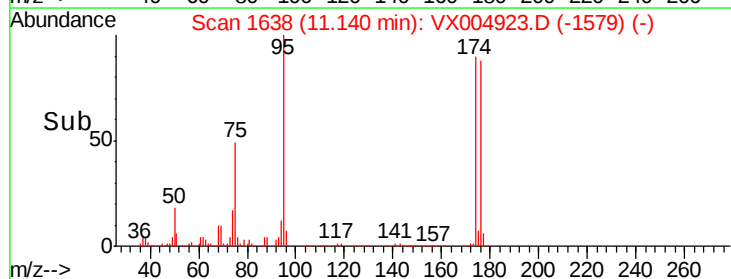
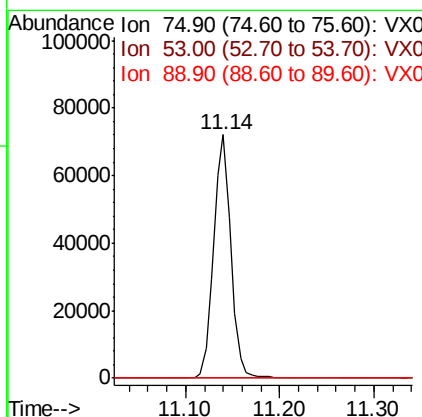
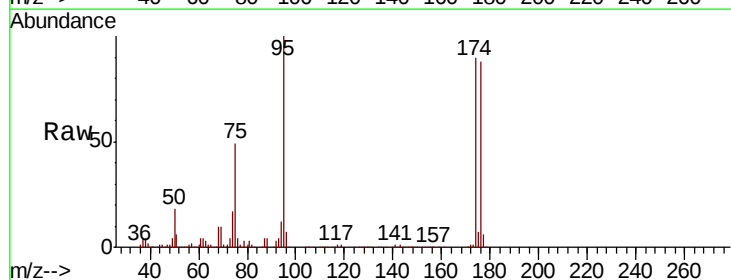
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003WBL01

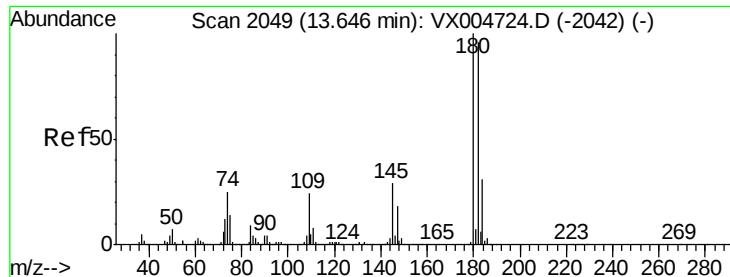
Tot Ion: 75 Resp: 91318
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.4 64.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.662 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004923.D
 Acq: 02 Oct 2018 17:14

Tgt Ion: 75 Resp: 91318
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.2 120.4#
 89 0.0 37.1 55.7#

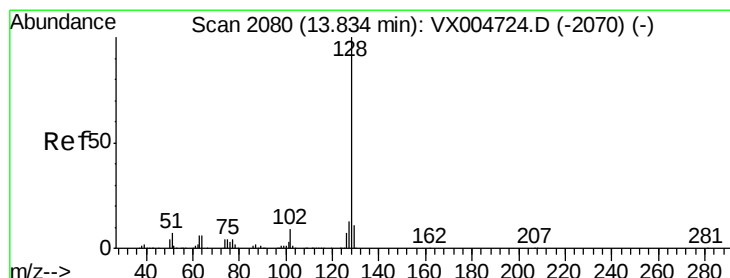
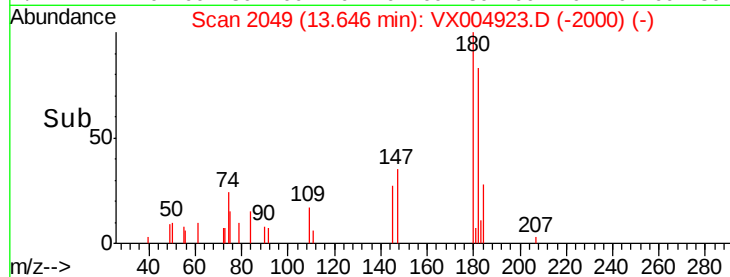
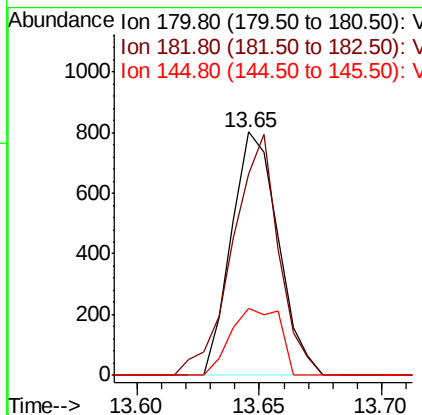
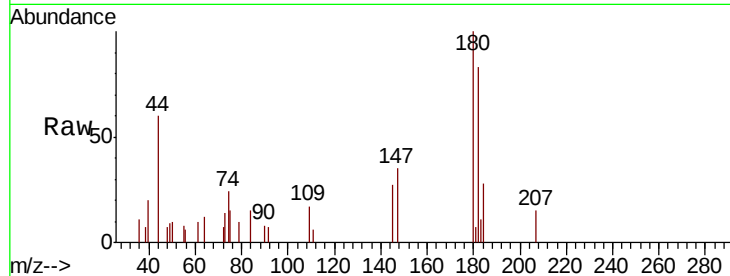




#93
 1,2,4-Trichlorobenzene
 Concen: 0.226 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004923.D
 Acq: 02 Oct 2018 17:14

Instrument :
 MSVOA_X
 ClientSampled :
 VX1003WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.8	143.4
145	29.0	14.1	42.4



#95
 Naphthalene
 Concen: 0.890 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX004923.D
 Acq: 02 Oct 2018 17:14

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.4	15.6
129	8.7	8.7	13.1#

