

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100318\
 Data File : VX004932.D
 Acq On : 02 Oct 2018 21:15
 Operator : JC/MD
 Sample : PB113401TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB113401TB

Quant Time: Oct 03 04:44:27 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	5.67	168	192670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	332122	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	328548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	173331	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	155127	56.36	ug/l	0.00
Spiked Amount			Recovery	=	112.72%	
35) Dibromofluoromethane	5.51	113	131980	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	
50) Toluene-d8	8.72	98	482267	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	
62) 4-Bromofluorobenzene	11.14	95	168130	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	

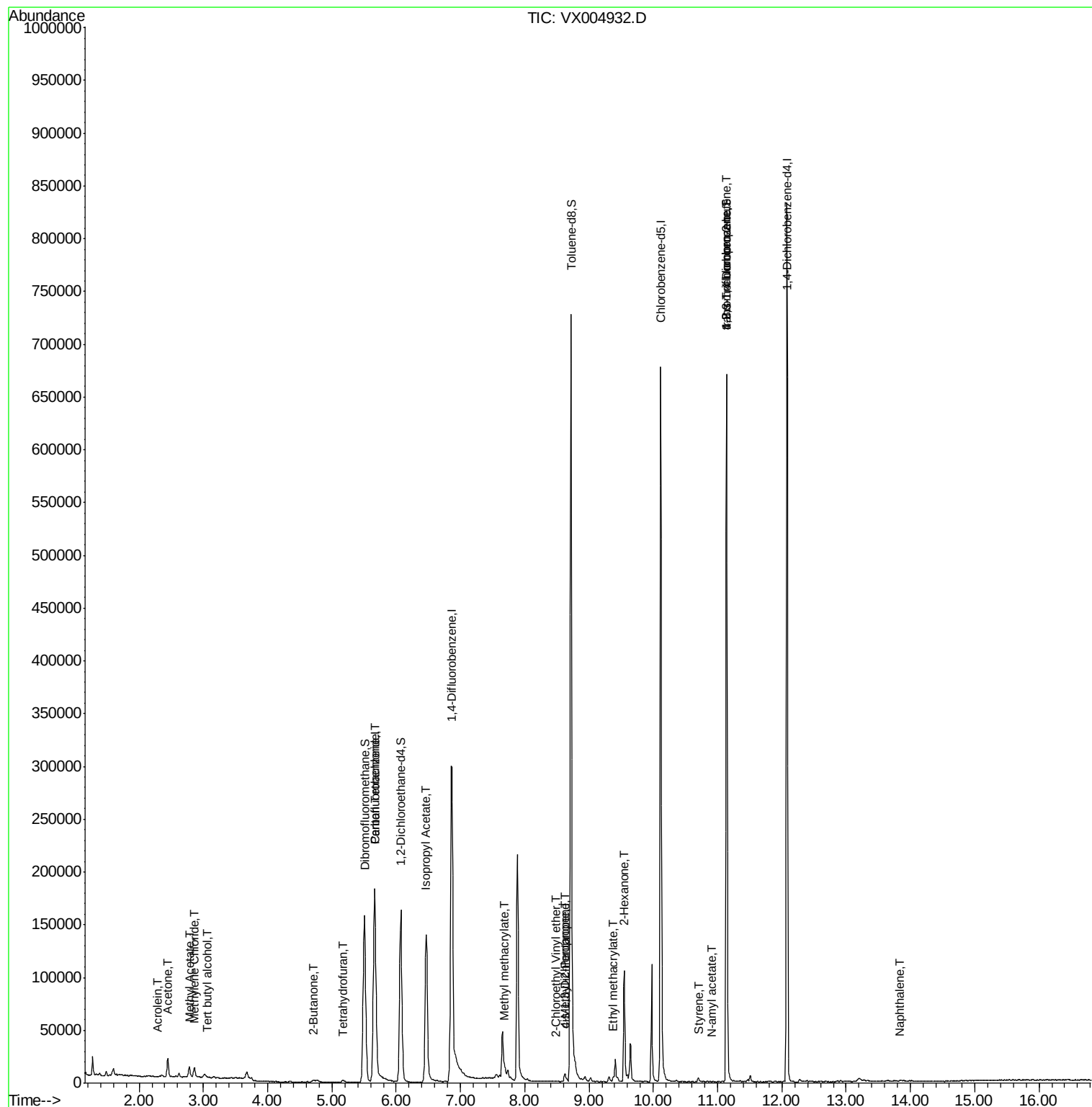
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.69	64	261	Below Cal	#	74
11) Tert butyl alcohol	3.06	59	536	0.696	ug/l #	90
13) Acrolein	2.29	56	183	0.334	ug/l #	56
16) Acetone	2.45	43	18683	11.627	ug/l #	88
18) Methyl Acetate	2.78	43	12151	2.985	ug/l	100
20) Methylene Chloride	2.86	84	3971	0.875	ug/l	95
25) 2-Butanone	4.71	43	3951	1.668	ug/l	93
29) Tetrahydrofuran	5.17	42	1647	1.119	ug/l #	55
38) Carbon Tetrachloride	5.66	117	17267	4.277	ug/l #	20
43) Isopropyl Acetate	6.46	43	198512	26.980	ug/l	98
48) Methyl methacrylate	7.69	41	9258	2.772	ug/l #	24
51) 4-Methyl-2-Pentanone	8.62	43	4291	0.926	ug/l #	37
54) cis-1,3-Dichloropropene	8.63	75	1201	0.292	ug/l #	56
56) Ethyl methacrylate	9.38	69	177	2.898	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.48	63	20	14.250	ug/l #	49
59) 2-Hexanone	9.55	43	12287	3.183	ug/l #	58
70) Styrene	10.71	104	372	2.180	ug/l #	91
74) N-amyl acetate	10.91	43	154	1.773	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	84372	21.717	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	84372	58.865	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	439	Below Cal		83
95) Naphthalene	13.83	128	728	0.769	ug/l #	96

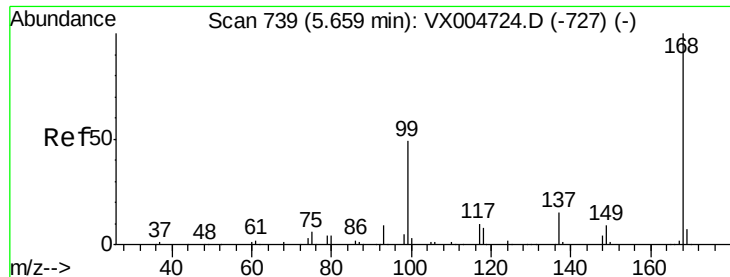
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100318\
Data File : VX004932.D
Acq On : 02 Oct 2018 21:15
Operator : JC/MD
Sample : PB113401TB
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB113401TB

Quant Time: Oct 03 04:44:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004932.D

Acq: 02 Oct 2018 21:15

Instrument :

MSVOA_X

ClientSampleId :

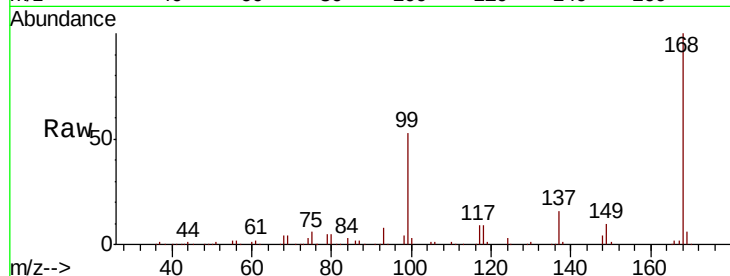
PB113401TB

Tot Ion:168 Resp: 192670

Ion Ratio Lower Upper

168 100

99 52.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

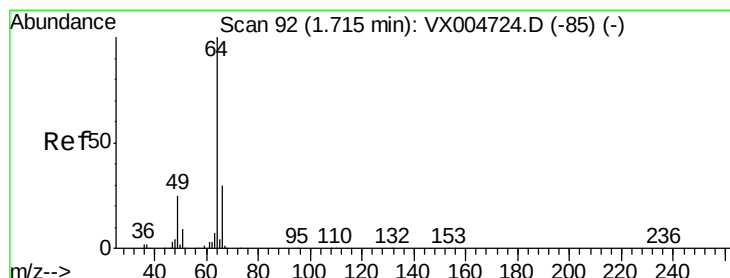
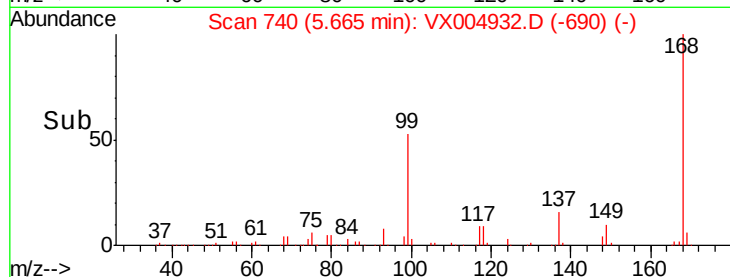
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX004932.D

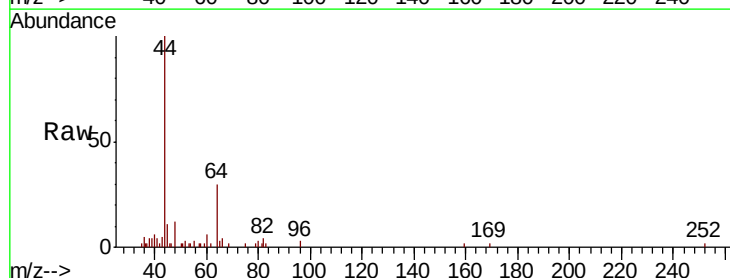
Acq: 02 Oct 2018 21:15

Tgt Ion: 64 Resp: 261

Ion Ratio Lower Upper

64 100

66 15.6 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.69

1200

1000

800

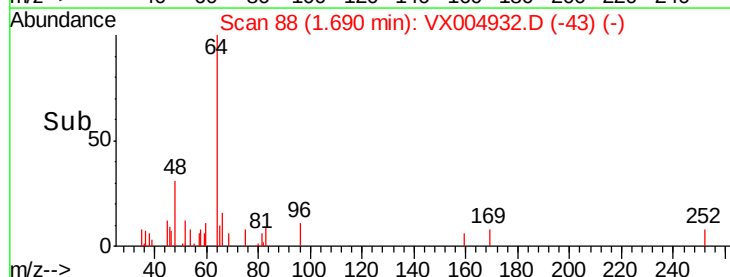
600

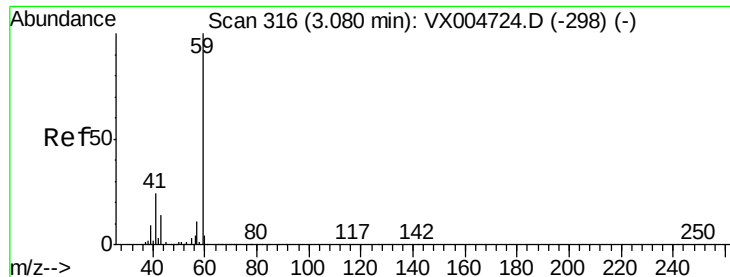
400

200

0

Time--> 1.68 1.69 1.70 1.71

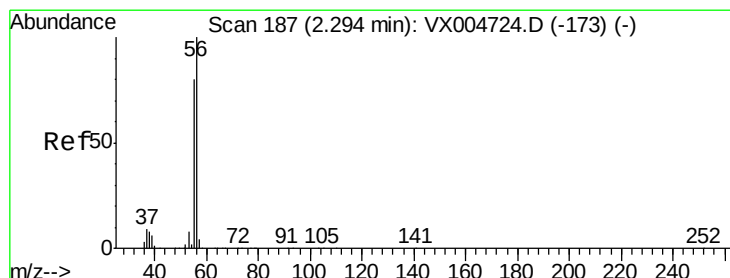
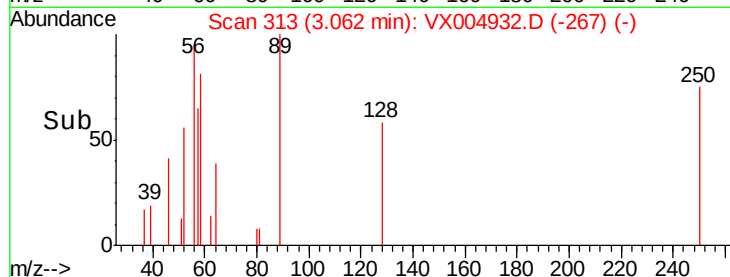
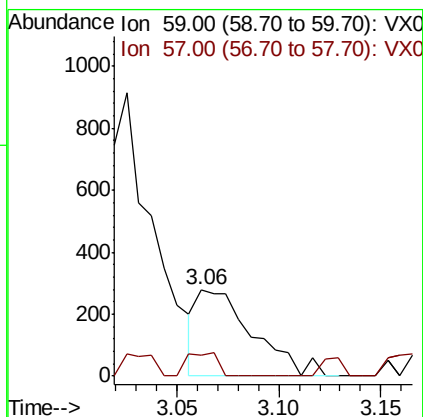
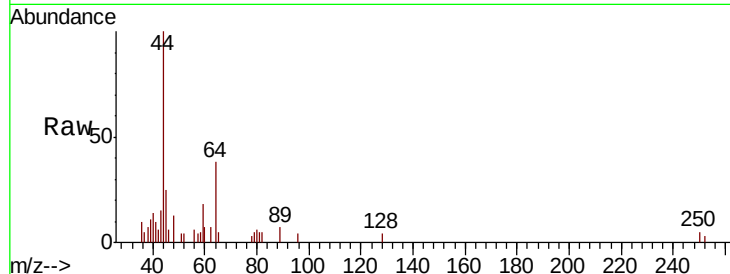




#11
Tert butyl alcohol
Concen: 0.696 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004932.D
Acq: 02 Oct 2018 21:15

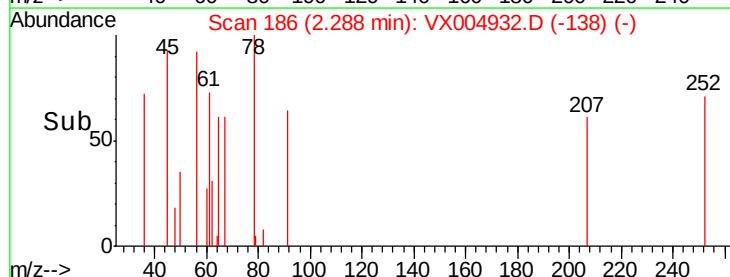
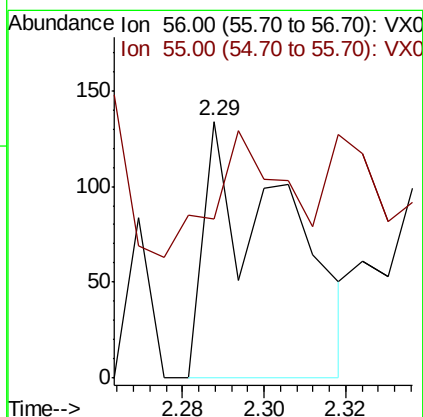
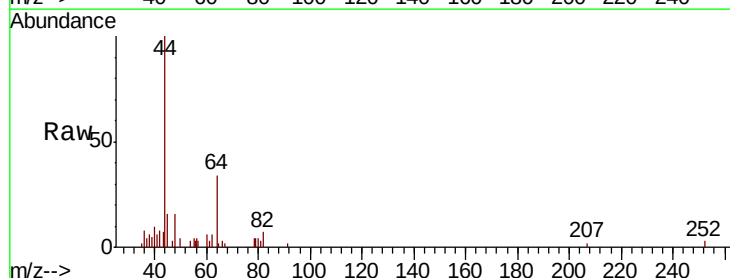
Instrument :
MSVOA_X
ClientSampled :
PB113401TB

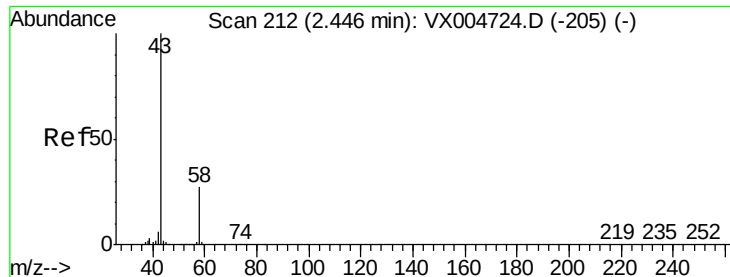
Tot Ion: 59 Resp: 536
Ion Ratio Lower Upper
59 100
57 14.6 8.6 12.8#



#13
Acrolein
Concen: 0.334 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX004932.D
Acq: 02 Oct 2018 21:15

Tgt Ion: 56 Resp: 183
Ion Ratio Lower Upper
56 100
55 41.0 63.4 95.2#





#16

Acetone

Concen: 11.627 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004932.D

Acq: 02 Oct 2018 21:15

Instrument :

MSVOA_X

ClientSampleId :

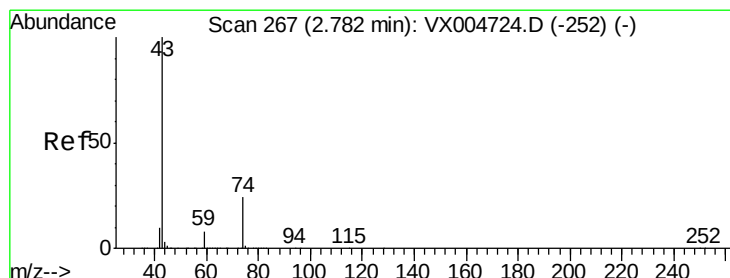
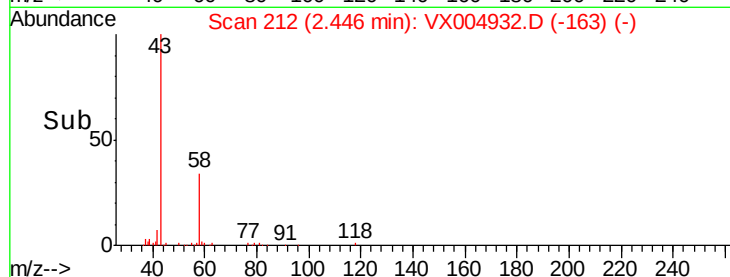
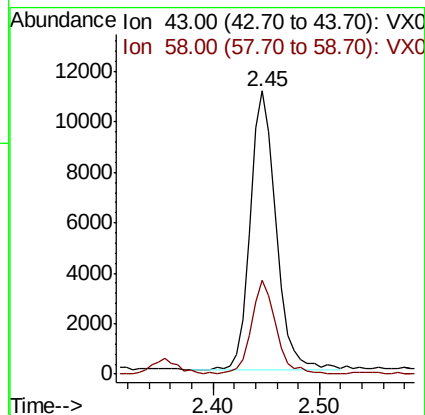
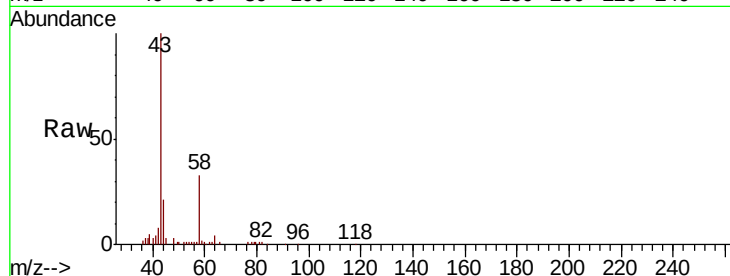
PB113401TB

Tot Ion: 43 Resp: 18683

Ion Ratio Lower Upper

43 100

58 33.6 21.8 32.6#



#18

Methyl Acetate

Concen: 2.985 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX004932.D

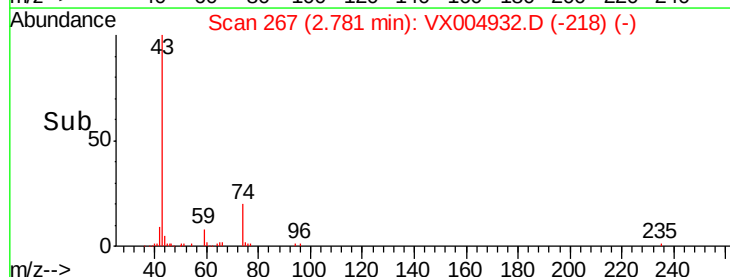
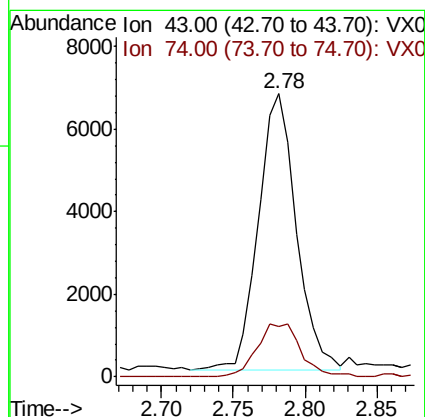
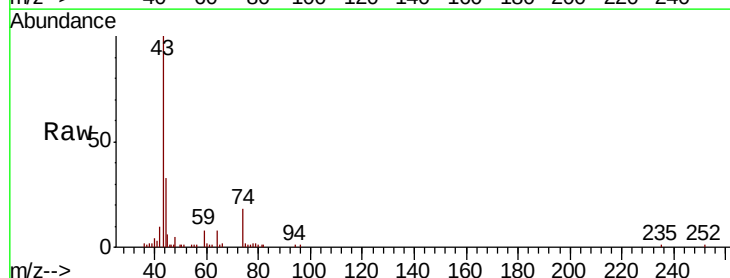
Acq: 02 Oct 2018 21:15

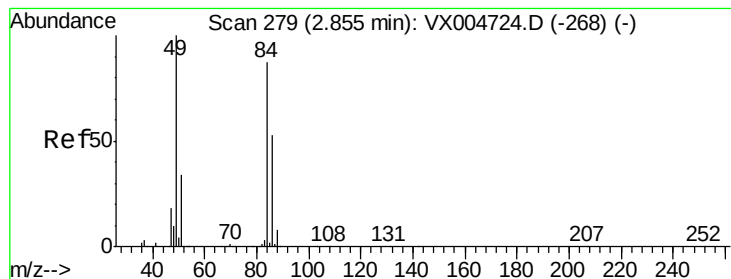
Tgt Ion: 43 Resp: 12151

Ion Ratio Lower Upper

43 100

74 22.3 17.8 26.8





#20

Methylene Chloride

Concen: 0.875 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004932.D

Acq: 02 Oct 2018 21:15

Instrument :

MSVOA_X

ClientSampleId :

PB113401TB

Tot Ion: 84 Resp: 3971

Ion	Ratio	Lower	Upper
84	100		
49	121.1	92.3	138.5
51	37.0	31.8	47.6
86	64.5	48.5	72.7

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

Time-->

2.86

2000

1000

0

2.80 2.85 2.90

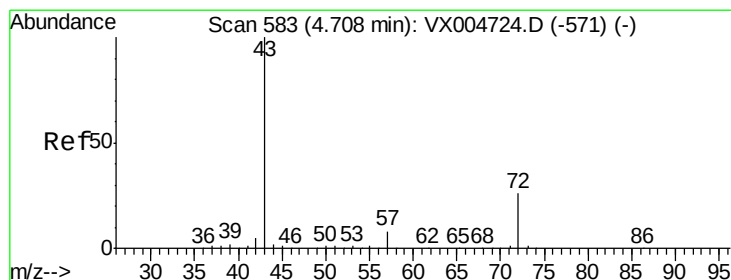
Abundance

Scan 280 (2.861 min): VX004932.D (-230) (-)

Sub 50

m/z-->

49 84 70 207 252



#25

2-Butanone

Concen: 1.668 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX004932.D

Acq: 02 Oct 2018 21:15

Tgt Ion: 43 Resp: 3951

Ion	Ratio	Lower	Upper
43	100		
72	29.7	20.8	31.2

Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Time-->

4.71

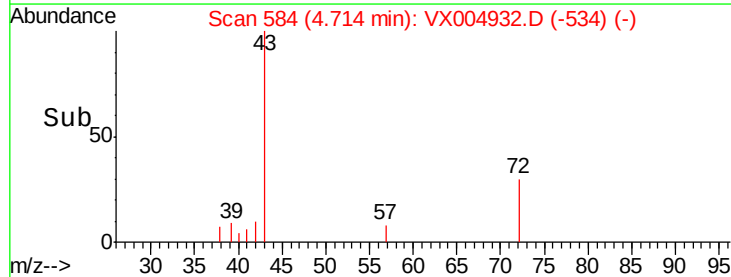
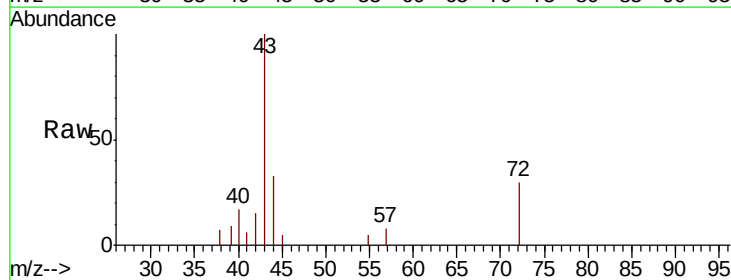
1500

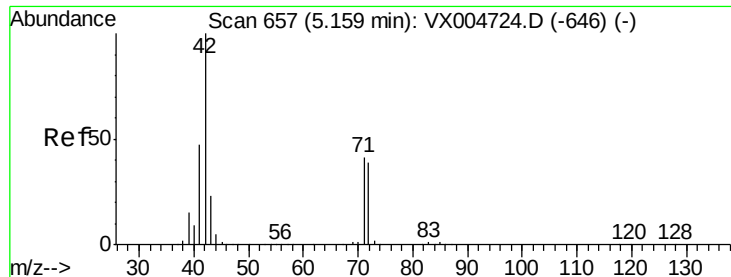
1000

500

0

4.60 4.70 4.80





#29

Tetrahydrofuran

Concen: 1.119 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX004932.D

Acq: 02 Oct 2018 21:15

Instrument :

MSVOA_X

ClientSampled :

PB113401TB

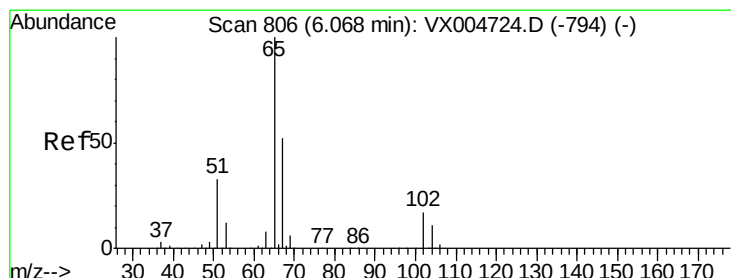
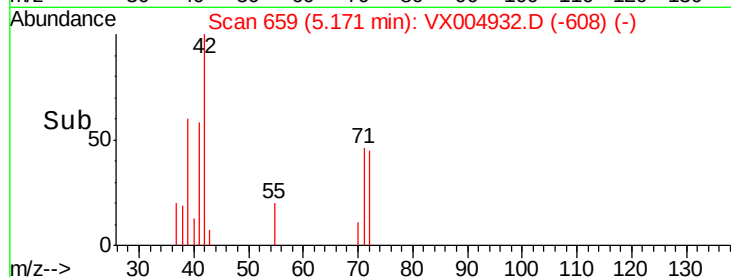
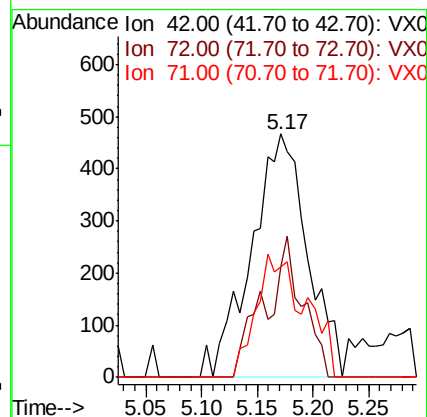
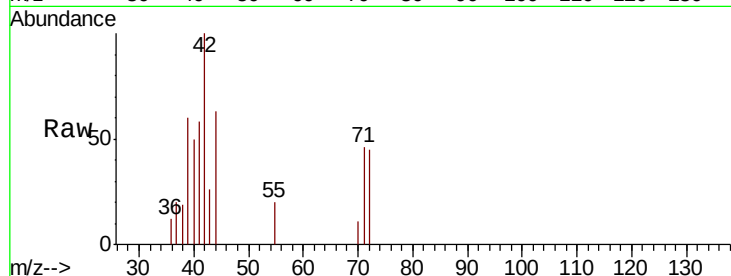
Tot Ion: 42 Resp: 1647

Ion Ratio Lower Upper

42 100

72 26.2 33.7 50.5#

71 0.0 32.2 48.4#



#33

1,2-Dichloroethane-d4

Concen: 56.363 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004932.D

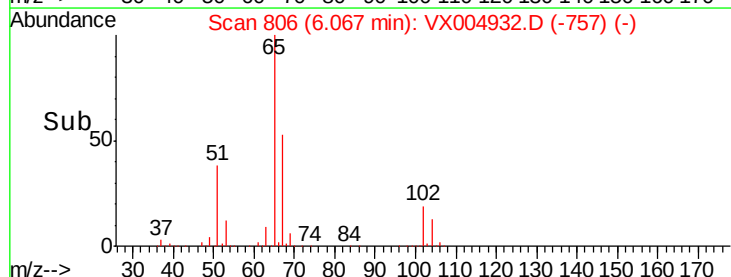
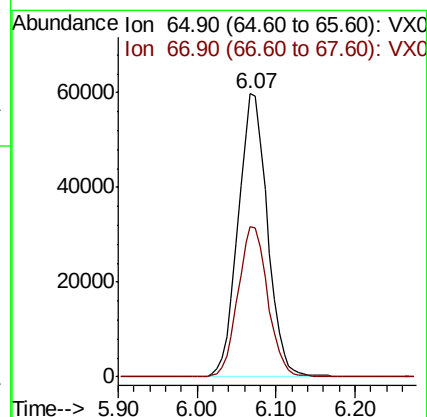
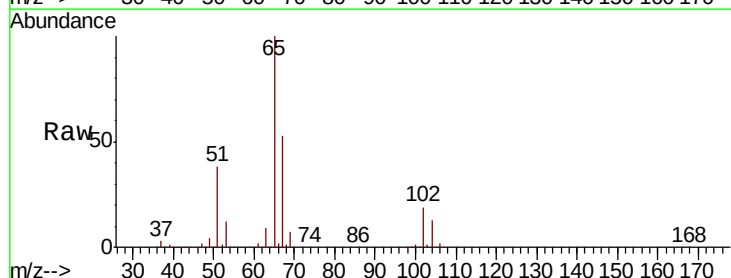
Acq: 02 Oct 2018 21:15

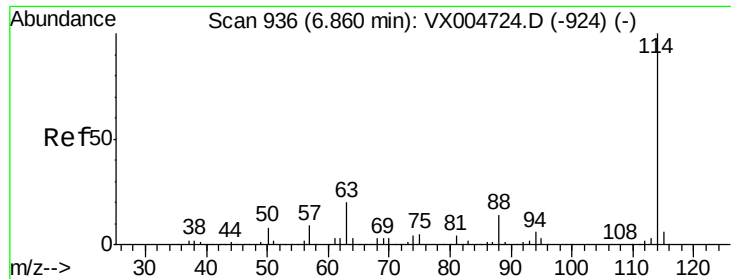
Tgt Ion: 65 Resp: 155127

Ion Ratio Lower Upper

65 100

67 53.7 0.0 107.4

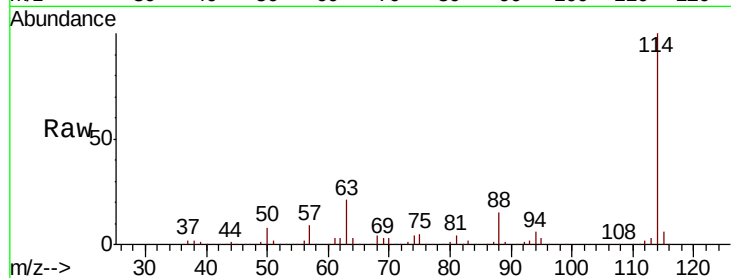




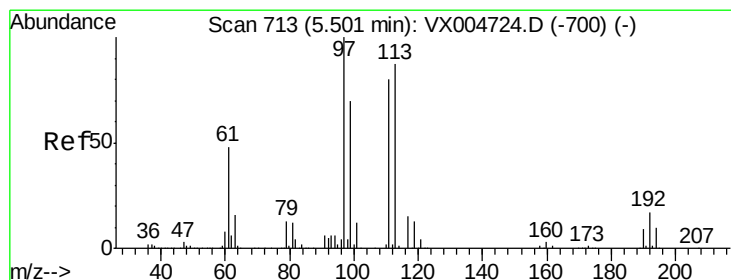
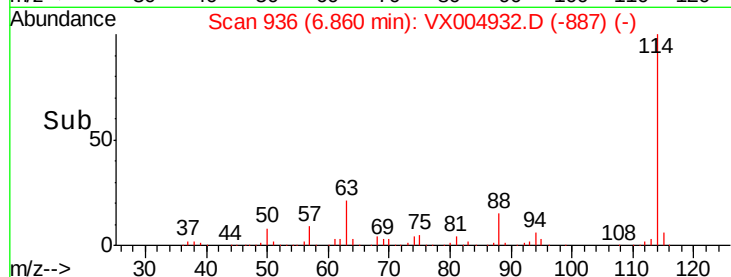
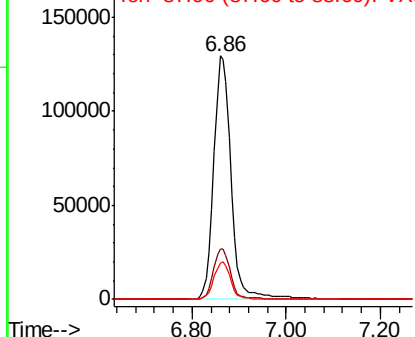
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004932.D
 Acq: 02 Oct 2018 21:15

Instrument :
 MSVOA_X
 ClientSampleId :
 PB113401TB

Tot Ion:114 Resp: 332122
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.8
 88 14.8 0.0 27.0

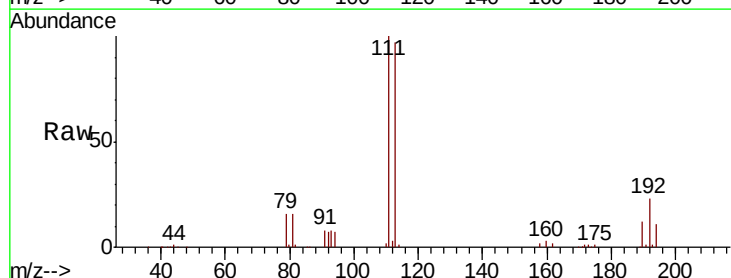


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

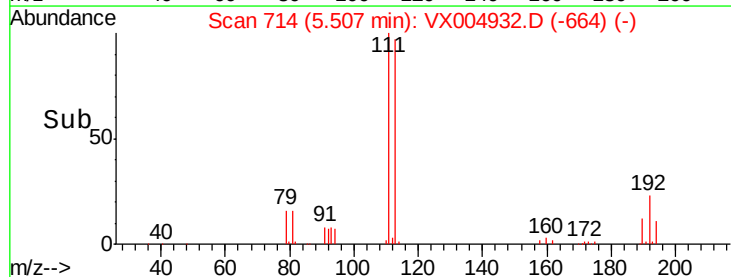
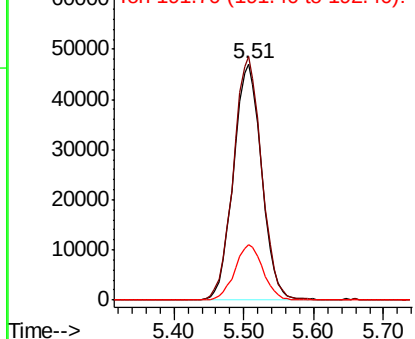


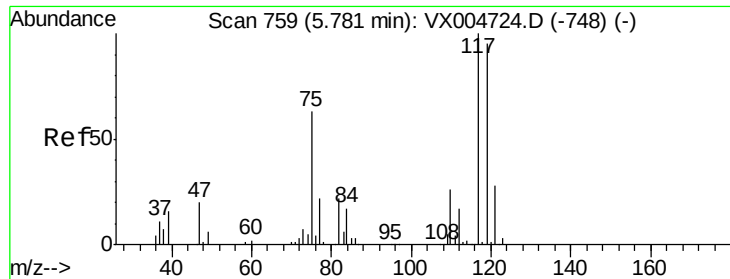
#35
 Dibromofluoromethane
 Concen: 46.888 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004932.D
 Acq: 02 Oct 2018 21:15

Tgt Ion:113 Resp: 131980
 Ion Ratio Lower Upper
 113 100
 111 102.9 77.0 115.4
 192 23.2 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





#38

Carbon Tetrachloride

Concen: 4.277 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX004932.D

Acq: 02 Oct 2018 21:15

Instrument :

MSVOA_X

ClientSampled :

PB113401TB

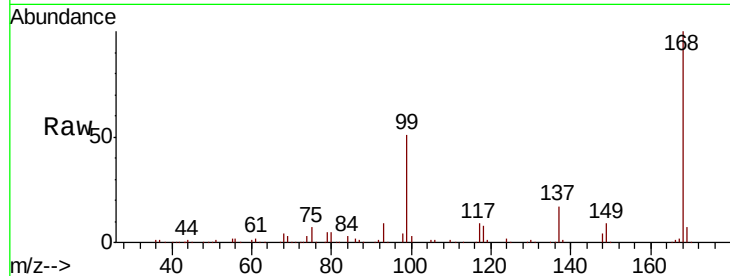
Tot Ion:117 Resp: 17267

Ion Ratio Lower Upper

117 100

119 8.8 75.2 112.8#

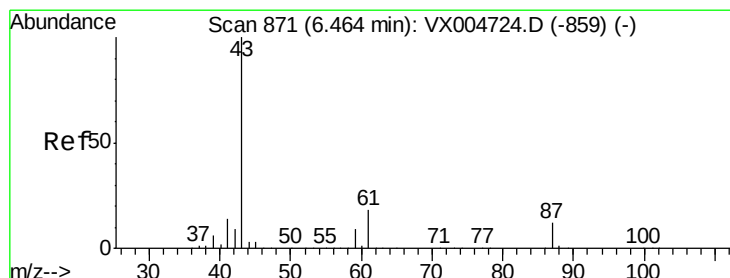
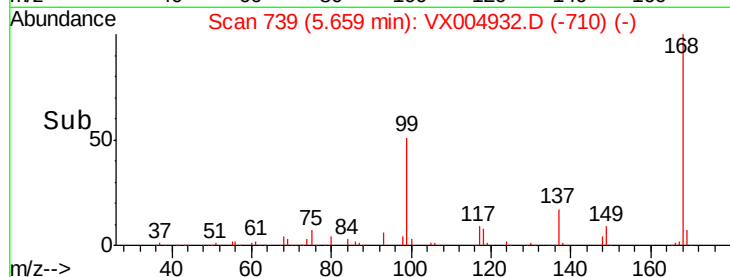
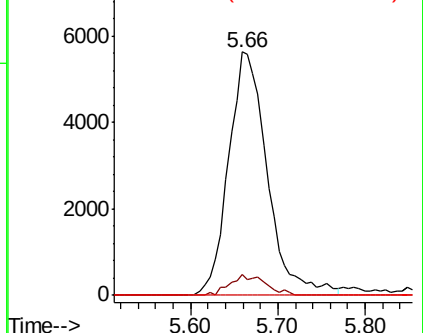
121 0.0 22.5 33.7#



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



#43

Isopropyl Acetate

Concen: 26.980 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004932.D

Acq: 02 Oct 2018 21:15

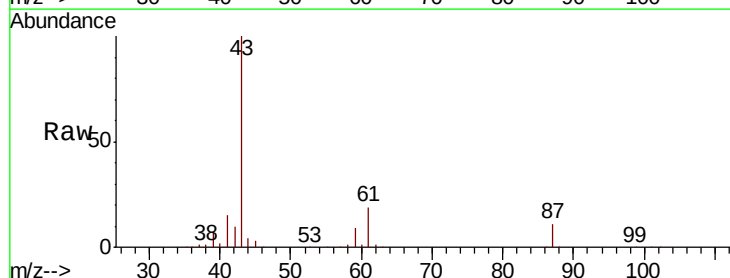
Tgt Ion: 43 Resp: 198512

Ion Ratio Lower Upper

43 100

61 18.8 14.2 21.4

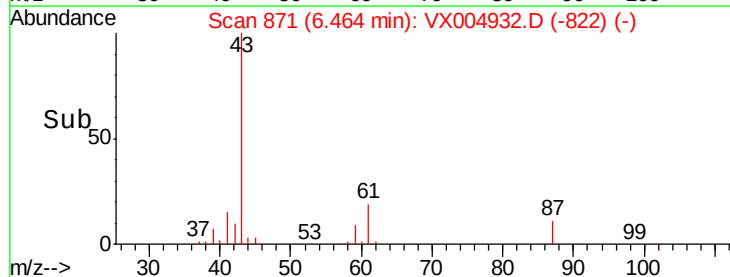
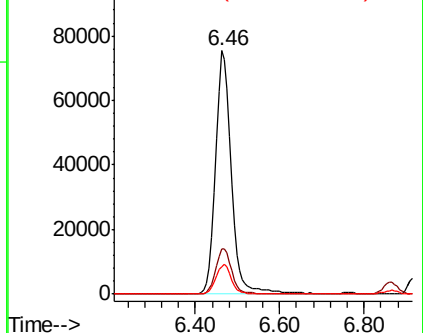
87 11.8 9.3 13.9

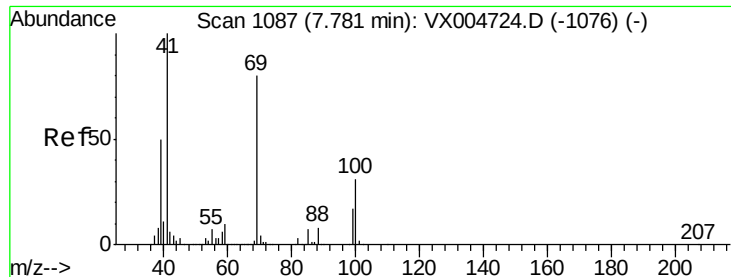


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

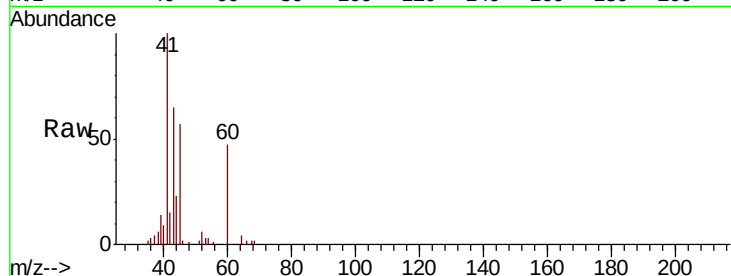




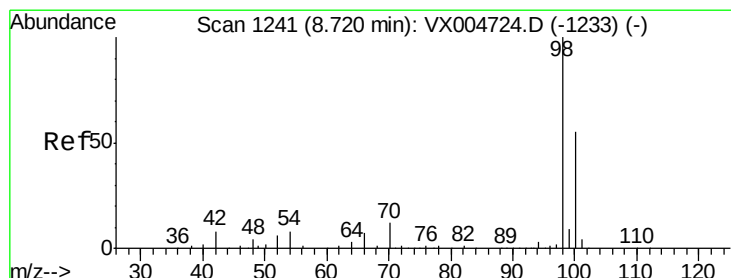
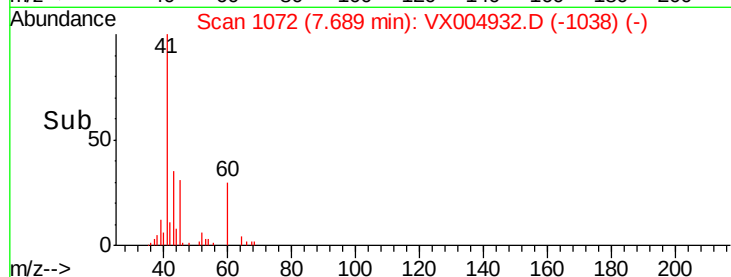
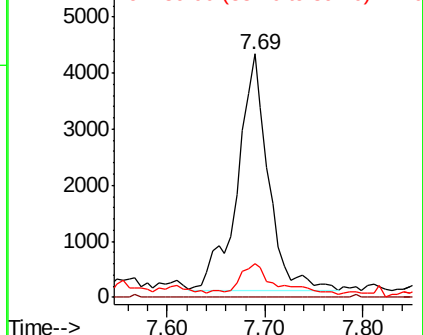
#48
Methyl methacrylate
Concen: 2.772 ug/l
RT: 7.69 min Scan# 1072
Delta R.T. -0.09 min
Lab File: VX004932.D
Acq: 02 Oct 2018 21:15

Instrument :
MSVOA_X
ClientSampleId :
PB113401TB

Tot Ion: 41 Resp: 9258
Ion Ratio Lower Upper
41 100
69 0.0 63.8 95.6#
39 13.7 40.7 61.1#

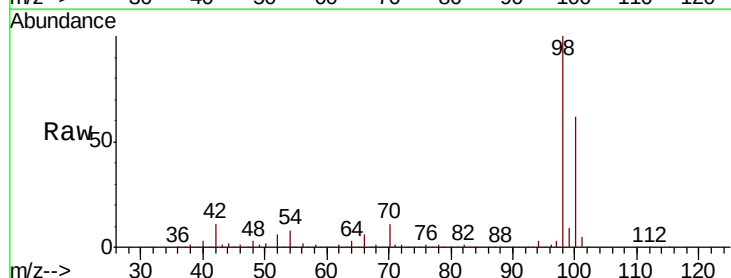


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

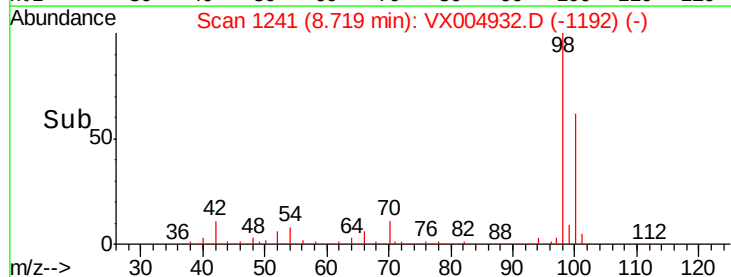
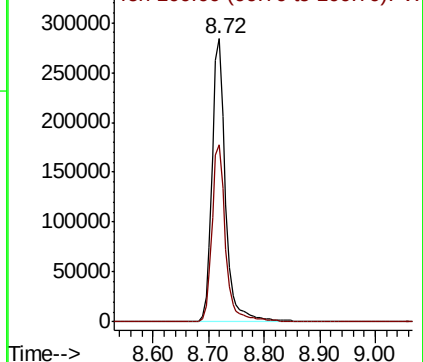


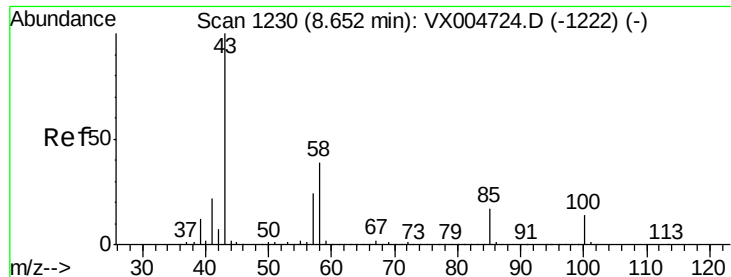
#50
Toluene-d8
Concen: 51.537 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004932.D
Acq: 02 Oct 2018 21:15

Tgt Ion: 98 Resp: 482267
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9



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

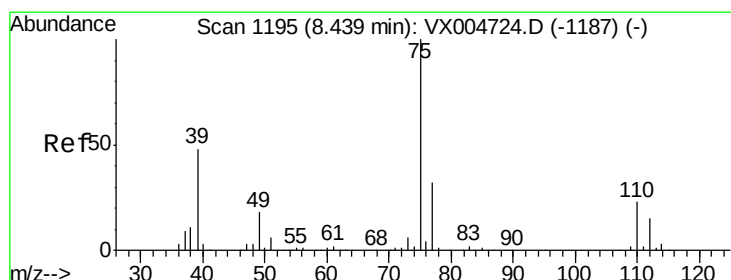
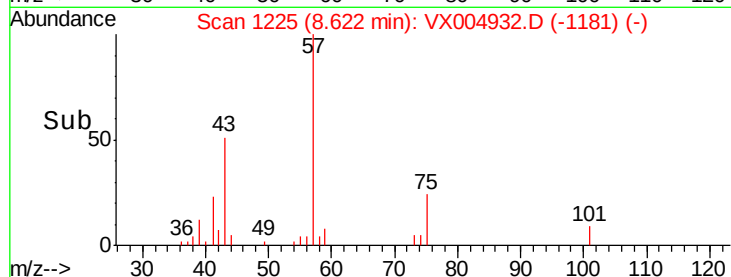
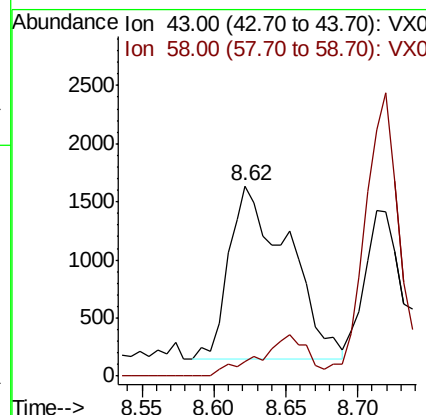
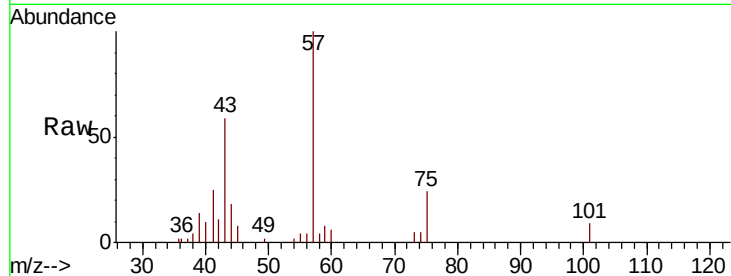




#51
 4-Methyl-2-Pentanone
 Concen: 0.926 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. -0.03 min
 Lab File: VX004932.D
 Acq: 02 Oct 2018 21:15

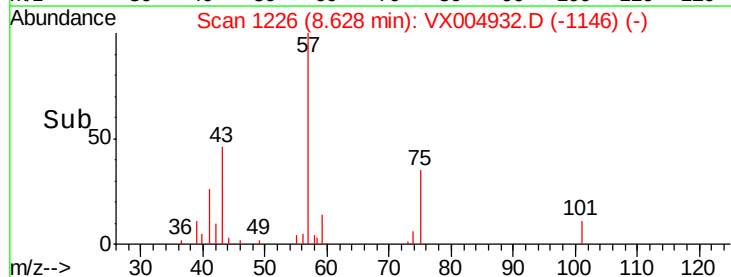
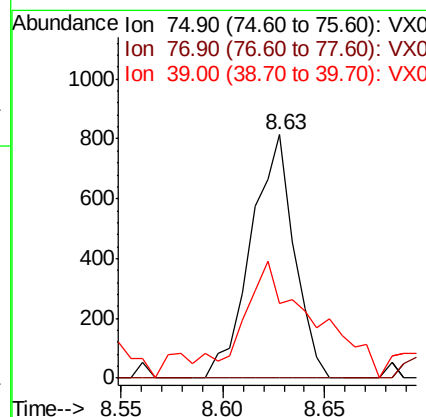
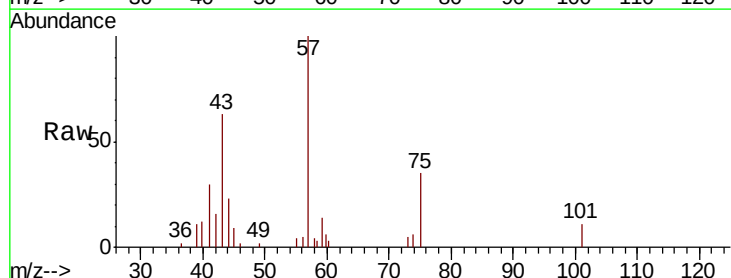
Instrument :
 MSVOA_X
 ClientSampleID :
 PB113401TB

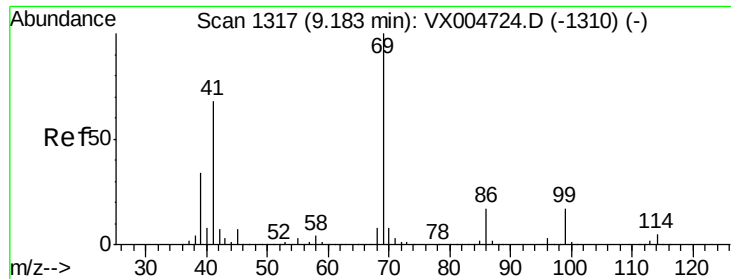
Tot Ion: 43 Resp: 4291
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.5 45.7#



#54
 cis-1,3-Dichloropropene
 Concen: 0.292 ug/l
 RT: 8.63 min Scan# 1226
 Delta R.T. 0.19 min
 Lab File: VX004932.D
 Acq: 02 Oct 2018 21:15

Tgt Ion: 75 Resp: 1201
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#
 39 24.4 38.3 57.5#





#56

Ethyl methacrylate

Concen: 2.898 ug/l

RT: 9.38 min Scan# 1350

Delta R.T. 0.20 min

Lab File: VX004932.D

Acq: 02 Oct 2018 21:15

Instrument :

MSVOA_X

ClientSampled :

PB113401TB

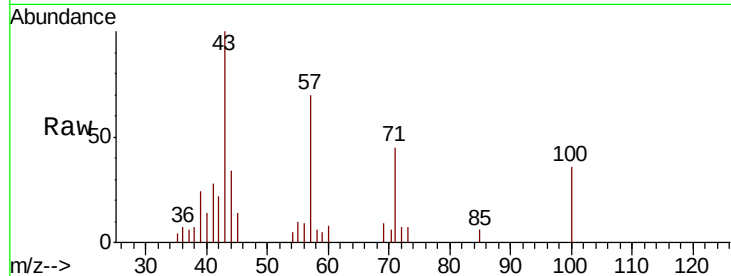
Tot Ion: 69 Resp: 177

Ion Ratio Lower Upper

69 100

41 0.0 56.9 85.3#

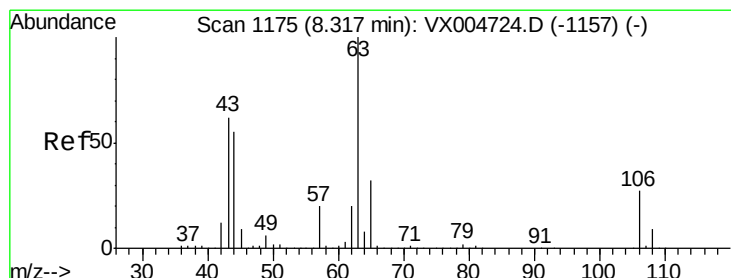
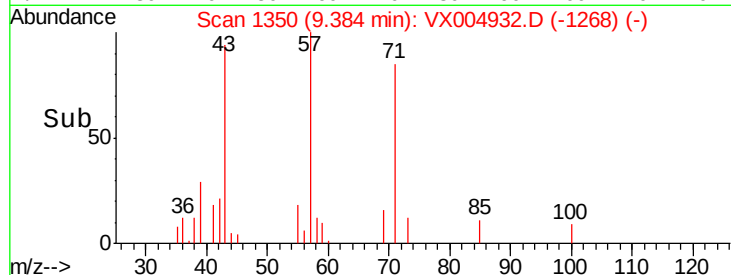
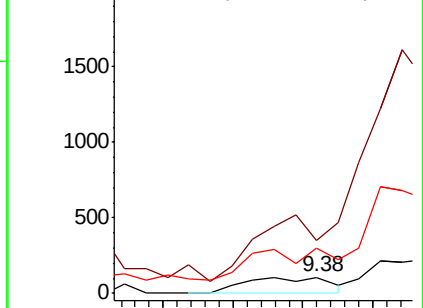
39 111.9 28.4 42.6#



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



#58

2-Chloroethyl Vinyl ether

Concen: 14.250 ug/l

RT: 8.48 min Scan# 1201

Delta R.T. 0.16 min

Lab File: VX004932.D

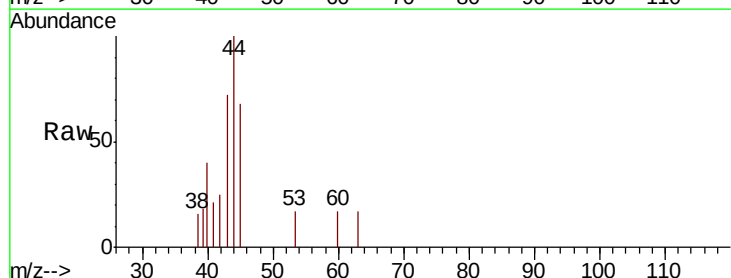
Acq: 02 Oct 2018 21:15

Tgt Ion: 63 Resp: 20

Ion Ratio Lower Upper

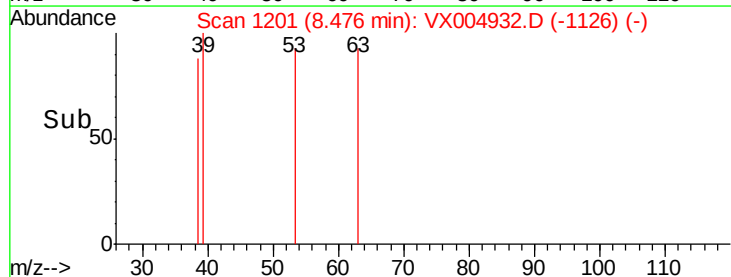
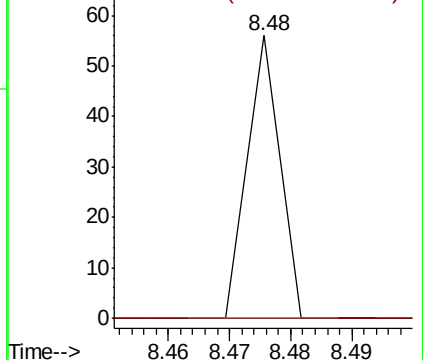
63 100

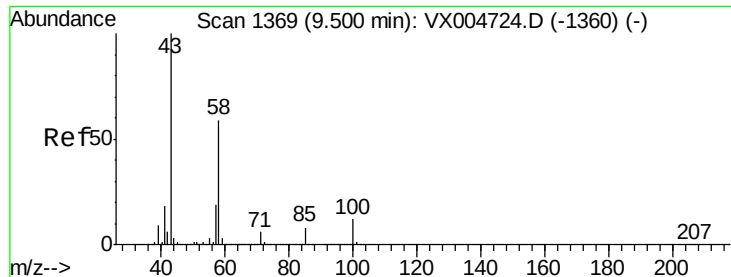
106 0.0 21.0 31.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

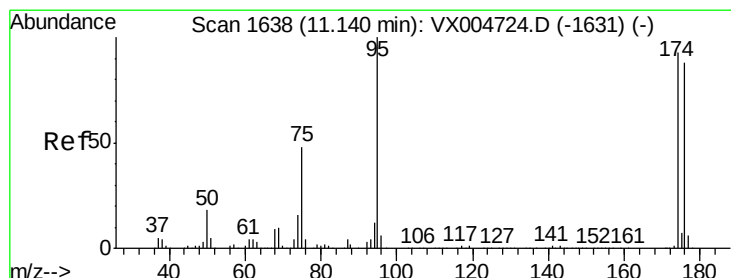
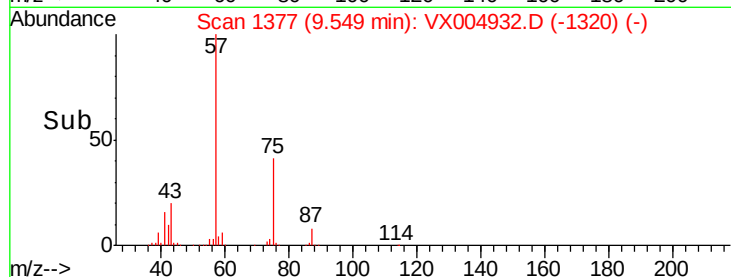
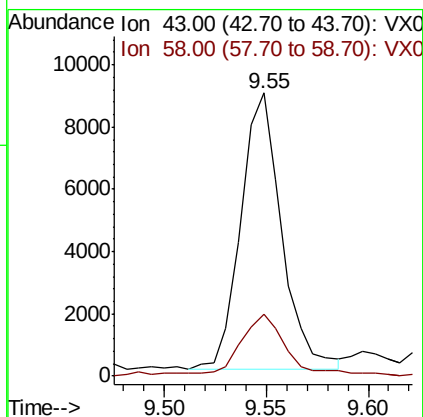
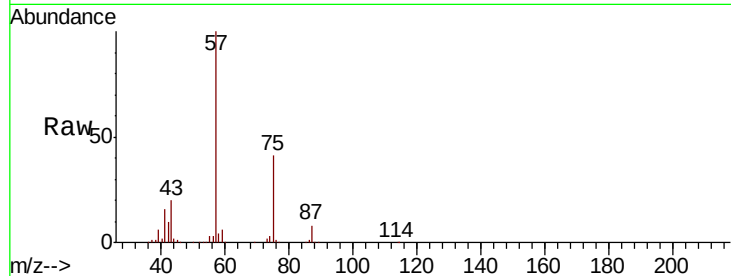




#59
2-Hexanone
Concen: 3.183 ug/l
RT: 9.55 min Scan# 1377
Delta R.T. 0.05 min
Lab File: VX004932.D
Acq: 02 Oct 2018 21:15

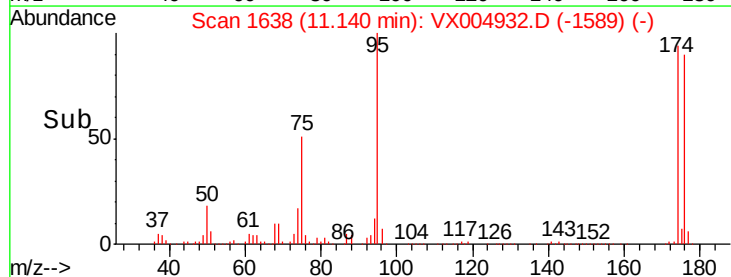
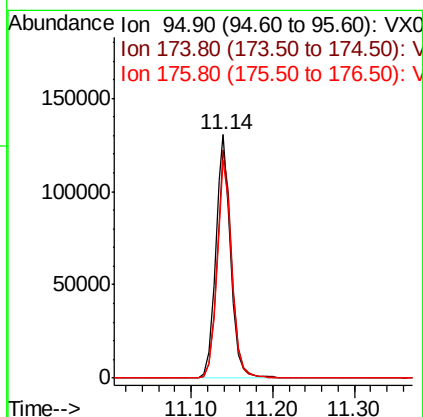
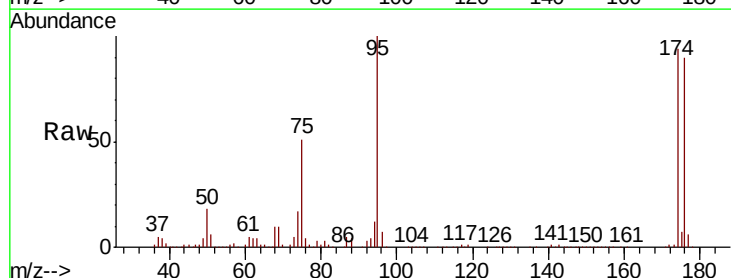
Instrument :
MSVOA_X
ClientSampleId :
PB113401TB

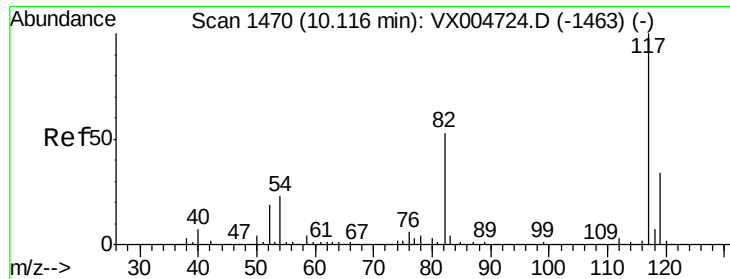
Tot Ion: 43 Resp: 12287
Ion Ratio Lower Upper
43 100
58 25.9 28.4 85.3#



#62
4-Bromofluorobenzene
Concen: 49.873 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004932.D
Acq: 02 Oct 2018 21:15

Tgt Ion: 95 Resp: 168130
Ion Ratio Lower Upper
95 100
174 93.0 0.0 185.0
176 88.4 0.0 180.2

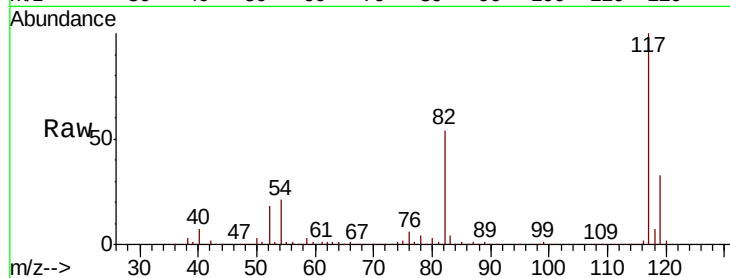




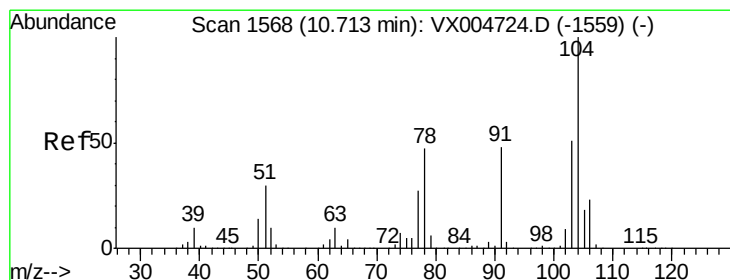
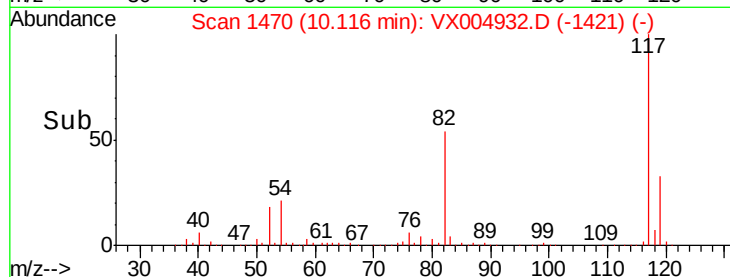
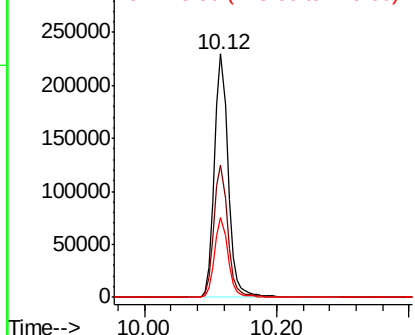
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004932.D
Acq: 02 Oct 2018 21:15

Instrument :
MSVOA_X
ClientSampleId :
PB113401TB

Tot Ion:117 Resp: 328548
Ion Ratio Lower Upper
117 100
82 54.2 42.2 63.4
119 32.5 27.4 41.0

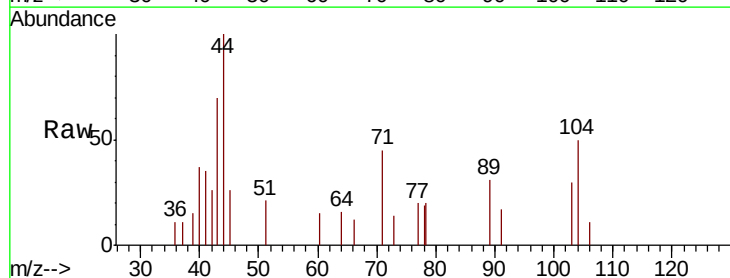


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

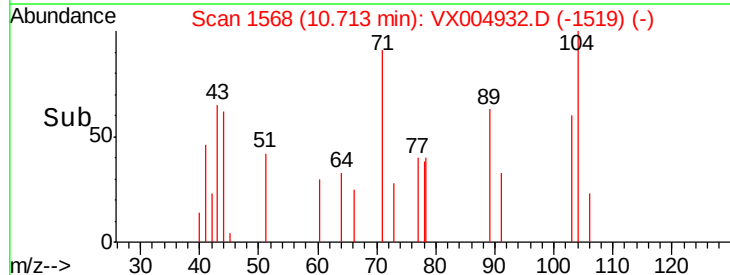
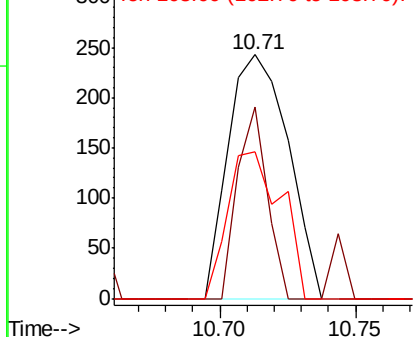


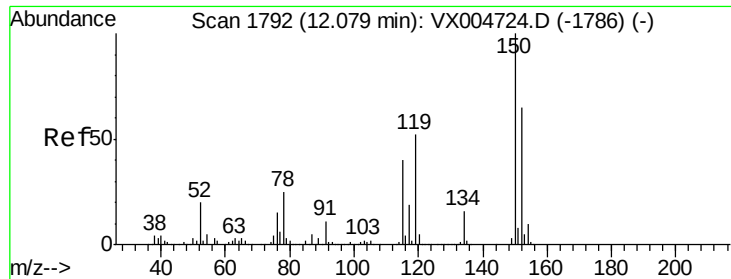
#70
Styrene
Concen: 2.180 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004932.D
Acq: 02 Oct 2018 21:15

Tgt Ion:104 Resp: 372
Ion Ratio Lower Upper
104 100
78 39.0 40.0 60.0#
103 53.5 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

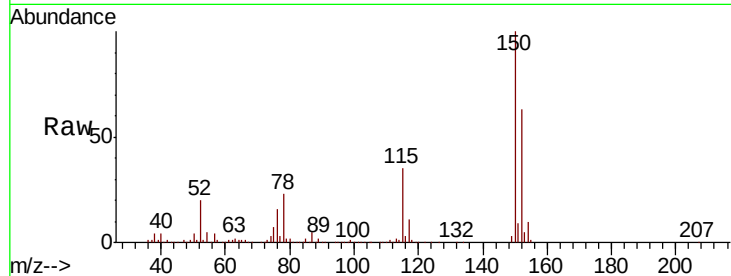




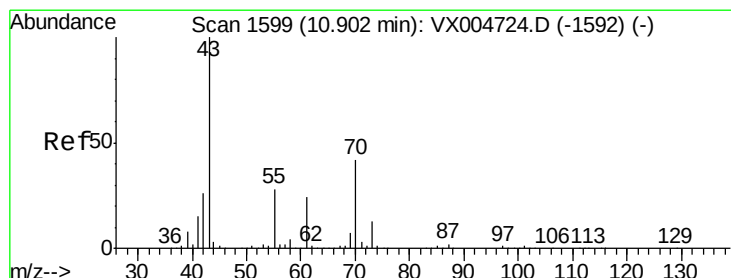
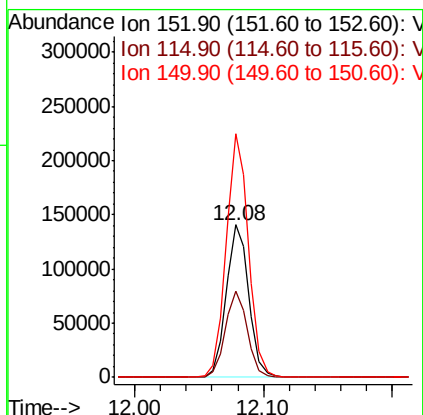
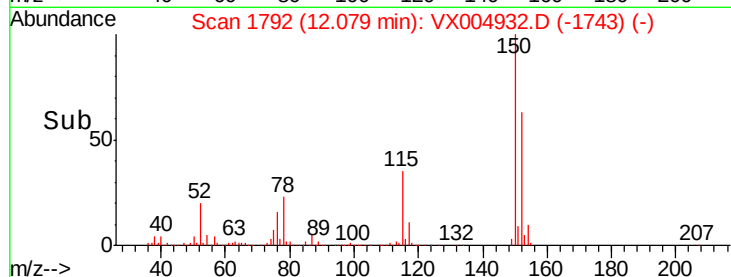
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX004932.D
 Acq: 02 Oct 2018 21:15

Instrument :
 MSVOA_X
 ClientSampleId :
 PB113401TB

Tot Ion:152 Resp: 173331
 Ion Ratio Lower Upper
 152 100
 115 55.3 40.2 120.6
 150 157.7 0.0 351.0

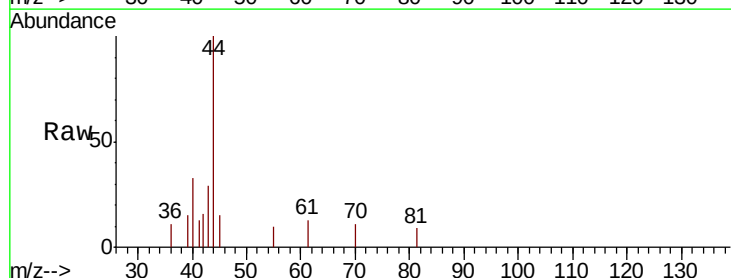


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

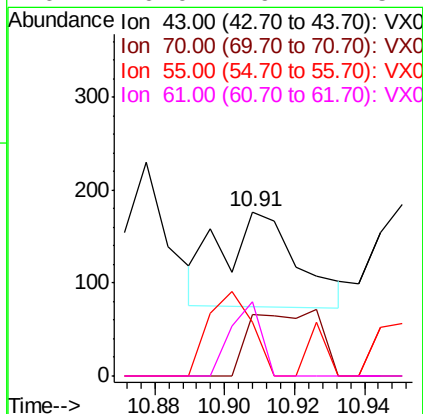
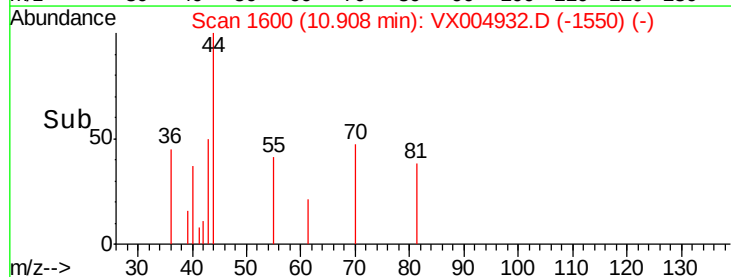


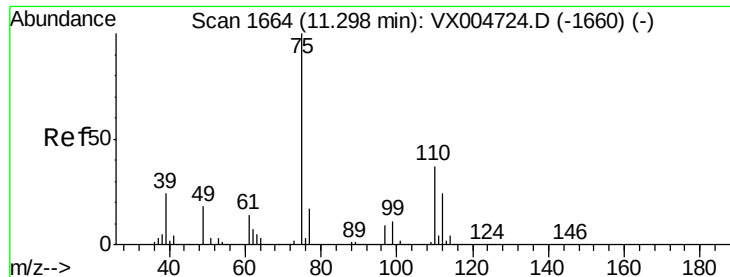
#74
 N-ethyl acetate
 Concen: 1.773 ug/l
 RT: 10.91 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VX004932.D
 Acq: 02 Oct 2018 21:15

Tgt Ion: 43 Resp: 154
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.6 48.8#
 55 51.3 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: 21.717 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004932.D

Acq: 02 Oct 2018 21:15

Instrument :

MSVOA_X

ClientSampleId :

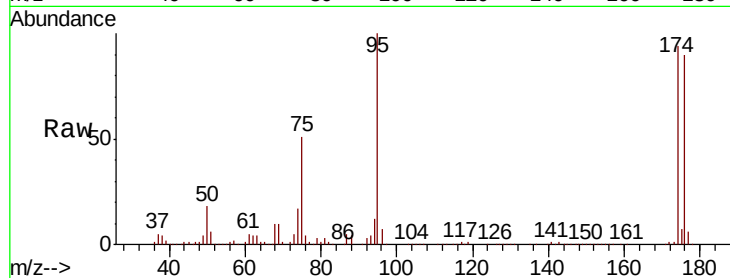
PB113401TB

Tot Ion: 75 Resp: 84372

Ion Ratio Lower Upper

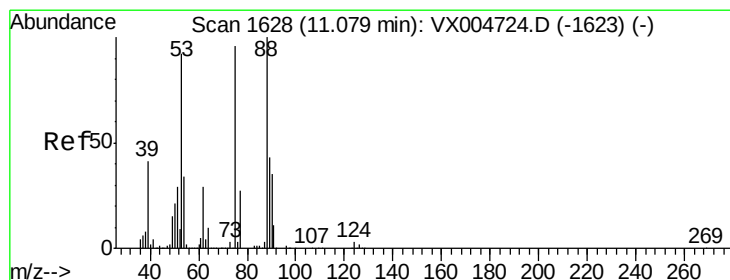
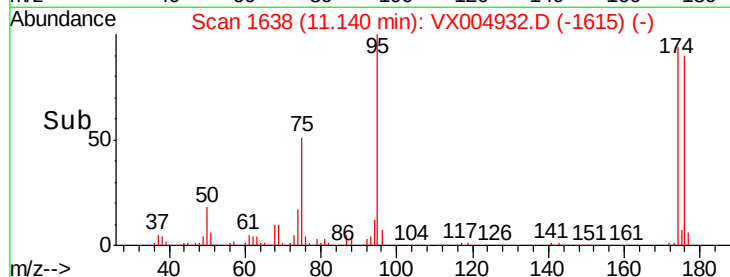
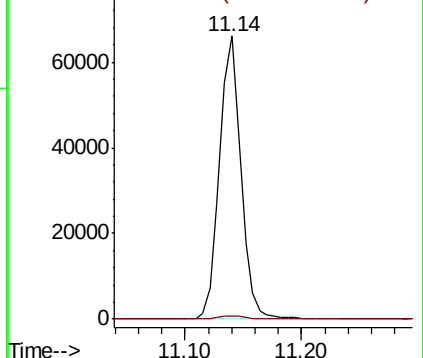
75 100

77 1.4 21.4 64.3#



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: 58.865 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004932.D

Acq: 02 Oct 2018 21:15

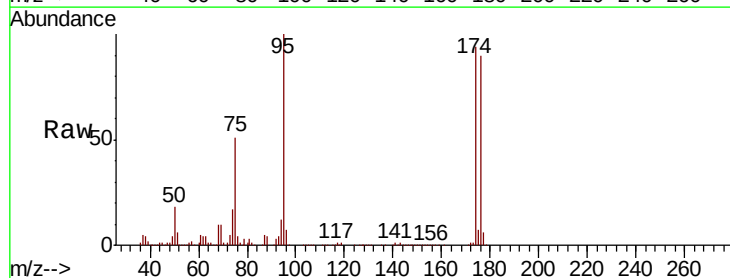
Tgt Ion: 75 Resp: 84372

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.4#

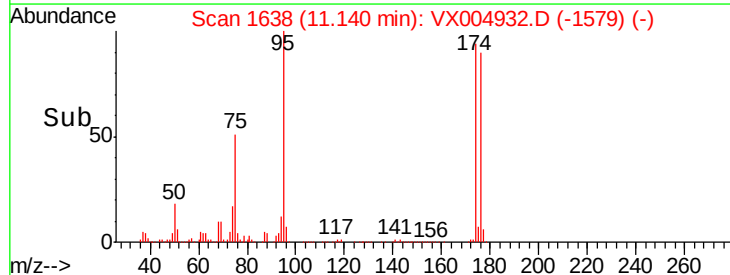
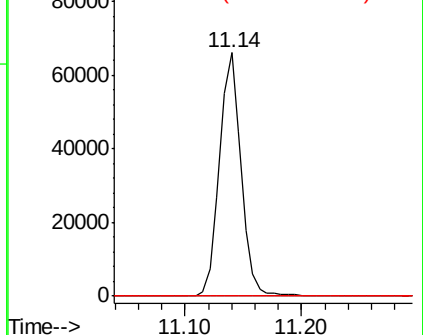
89 0.0 37.1 55.7#

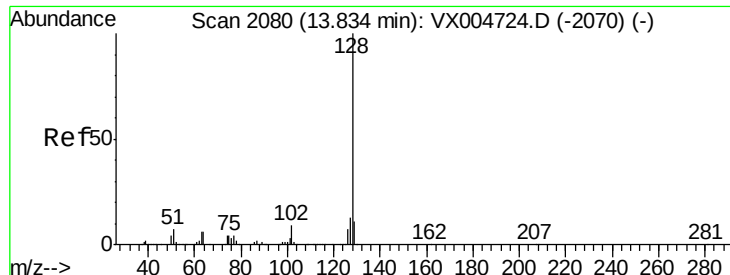


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 0.769 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX004932.D

Acq: 02 Oct 2018 21:15

Instrument :

MSVOA_X

ClientSampleId :

PB113401TB

Tot Ion:128 Resp: 728

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 7.4 8.7 13.1#

