

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\
 Data File : VX004813.D
 Acq On : 28 Sep 2018 11:14
 Operator : JC/MD
 Sample : VX0928WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBL01

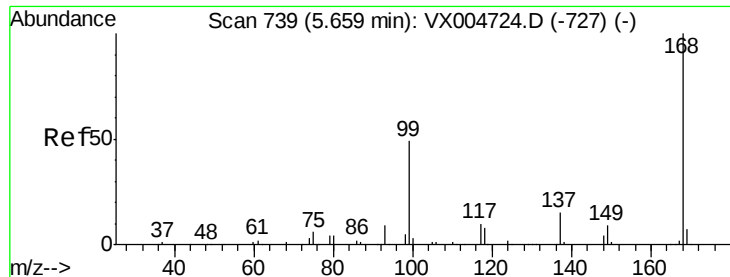
Quant Time: Sep 29 06:21:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	236399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	392183	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	391002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	216005	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	186014	55.08	ug/l	0.00
Spiked Amount			Recovery	=	110.16%	
35) Dibromofluoromethane	5.50	113	155284	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	
50) Toluene-d8	8.71	98	562335	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
62) 4-Bromofluorobenzene	11.14	95	203048	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.76	64	230	Below Cal	#	44
11) Tert butyl alcohol	3.02	59	2942	3.116	ug/l #	87
13) Acrolein	2.30	56	237	0.353	ug/l #	34
16) Acetone	2.45	43	497	0.252	ug/l #	72
20) Methylene Chloride	2.85	84	1352	Below Cal	#	91
29) Tetrahydrofuran	5.15	42	702	0.389	ug/l #	64
31) Cyclohexane	5.66	56	4566	1.063	ug/l #	1
38) Carbon Tetrachloride	5.67	117	21174	4.442	ug/l #	16
56) Ethyl methacrylate	9.18	69	19	2.865	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.31	63	87	14.270	ug/l #	45
70) Styrene	10.71	104	130	2.152	ug/l #	74
74) N-amyl acetate	10.91	43	146	1.767	ug/l #	50
76) 1,2,3-Trichloropropane	11.14	75	102105	21.090	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	242	Below Cal	#	62
81) trans-1,4-Dichloro-2-buten	11.14	75	102105	57.221	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	192	Below Cal		73
95) Naphthalene	13.84	128	729	0.759	ug/l #	74

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004813.D

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Instrument :

MSVOA_X

ClientSampleId :

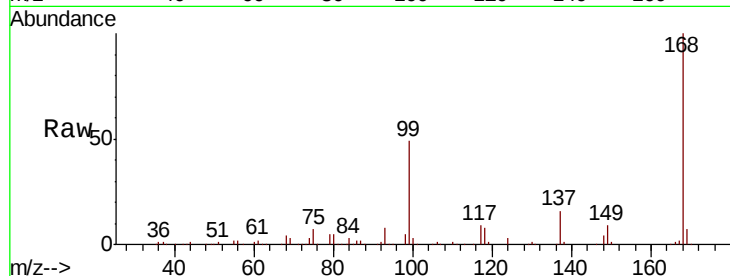
VX0928WBL01

Tot Ion:168 Resp: 236399

Ion Ratio Lower Upper

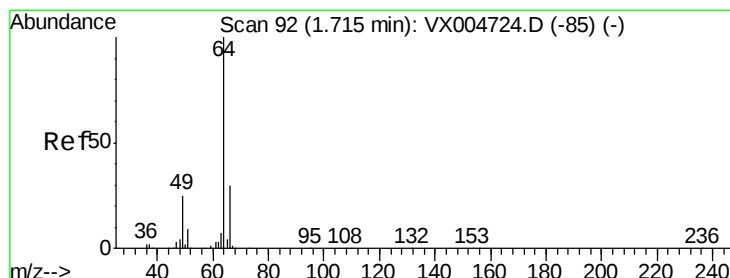
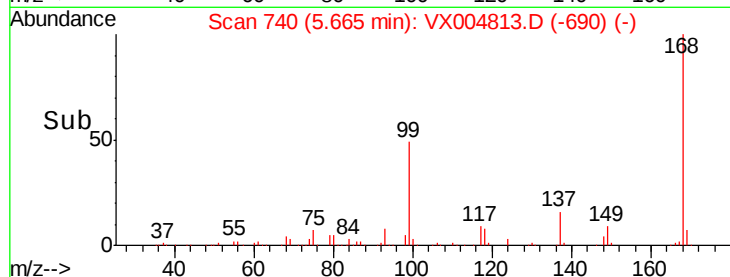
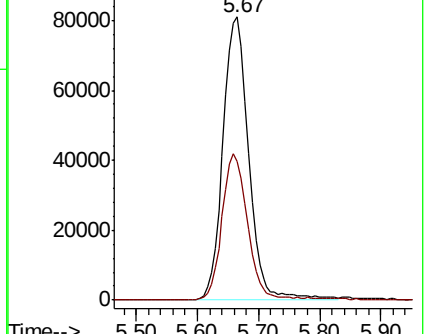
168 100

99 49.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.76 min Scan# 99

Delta R.T. 0.04 min

Lab File: VX004813.D

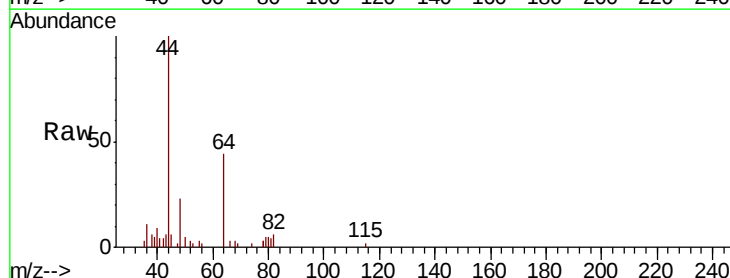
Acq: 28 Sep 2018 11:14

Tgt Ion: 64 Resp: 230

Ion Ratio Lower Upper

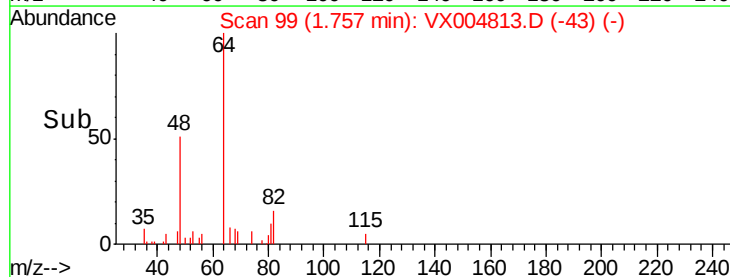
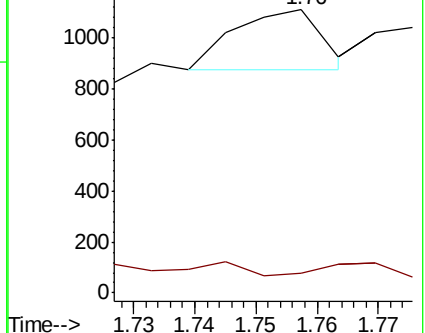
64 100

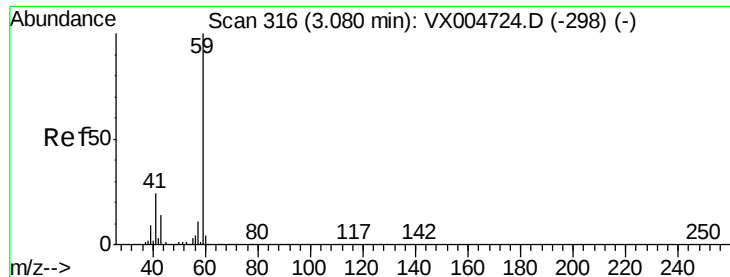
66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

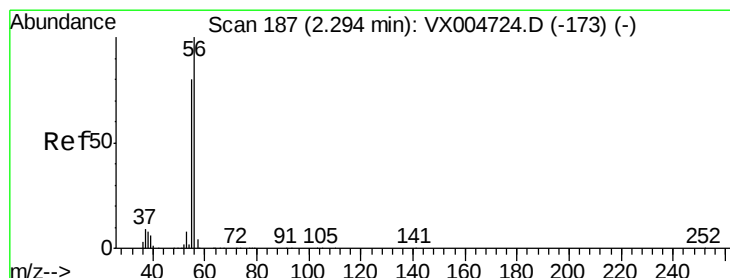
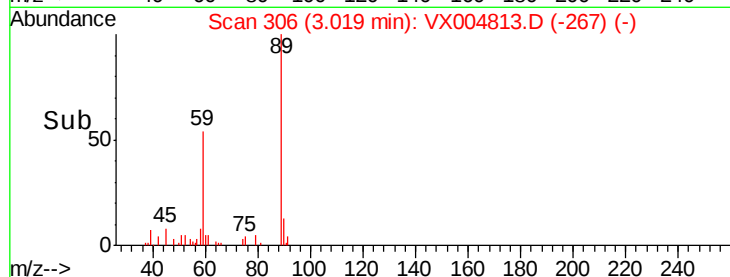
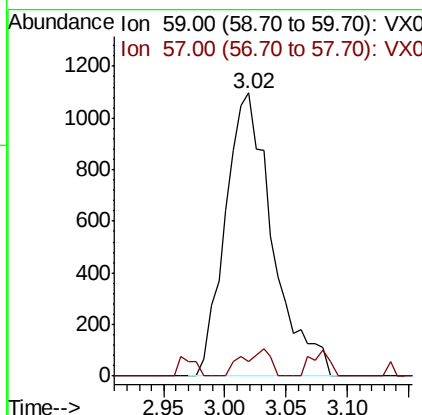
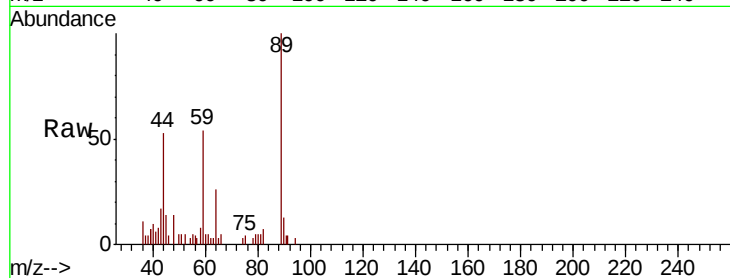




#11
Tert butyl alcohol
Concen: 3.116 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX004813.D
Acq: 28 Sep 2018 11:14

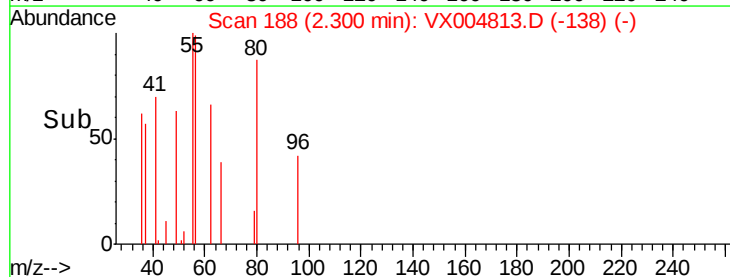
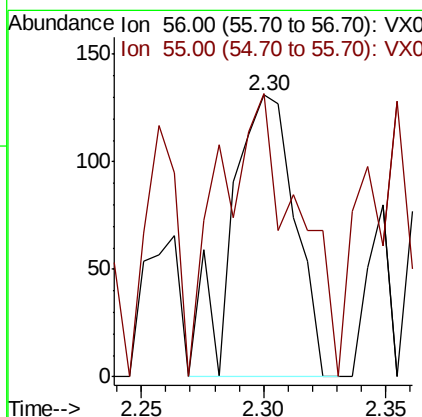
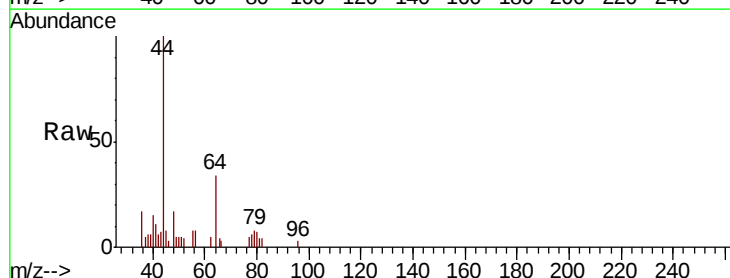
Instrument :
MSVOA_X
ClientSampleId :
VX0928WBL01

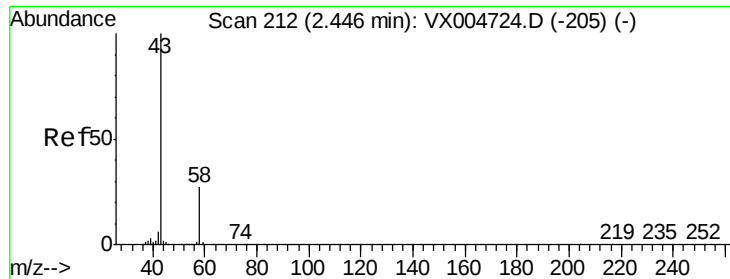
Tot Ion: 59 Resp: 2942
Ion Ratio Lower Upper
59 100
57 5.6 8.2 12.4#



#13
Acrolein
Concen: 0.353 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX004813.D
Acq: 28 Sep 2018 11:14

Tgt Ion: 56 Resp: 237
Ion Ratio Lower Upper
56 100
55 121.9 54.7 82.1#





#16

Acetone

Concen: 0.252 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004813.D

Acq: 28 Sep 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

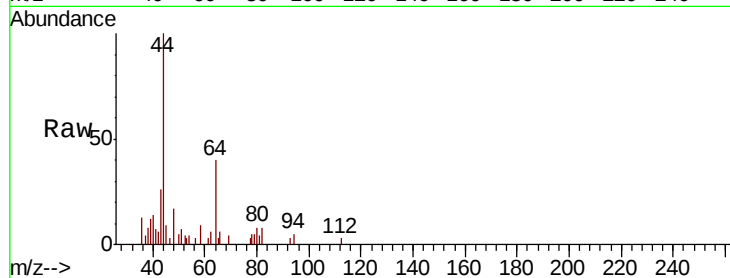
VX0928WBL01

Tot Ion: 43 Resp: 497

Ion Ratio Lower Upper

43 100

58 48.7 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

400

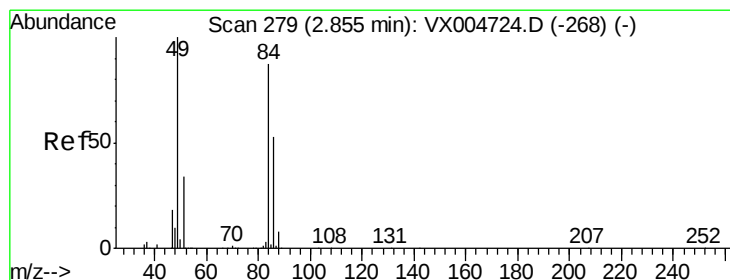
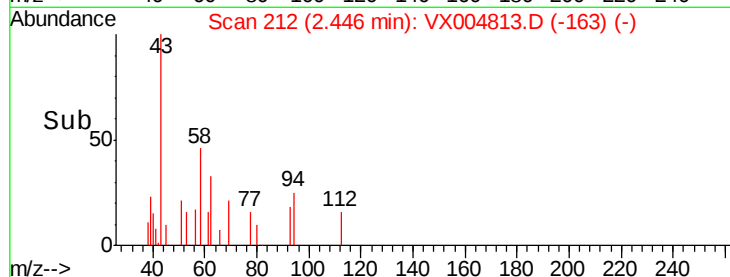
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004813.D

Acq: 28 Sep 2018 11:14

Tgt Ion: 84 Resp: 1352

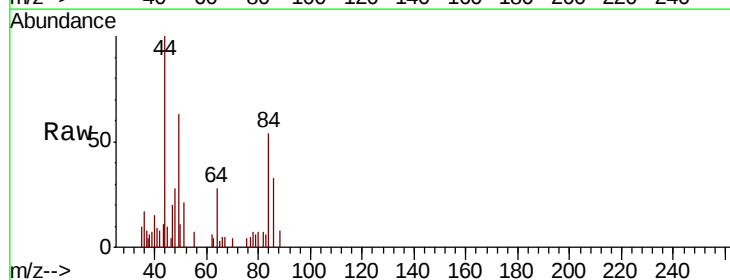
Ion Ratio Lower Upper

84 100

49 116.3 101.2 151.8

51 29.0 29.5 44.3#

86 60.6 52.3 78.5



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

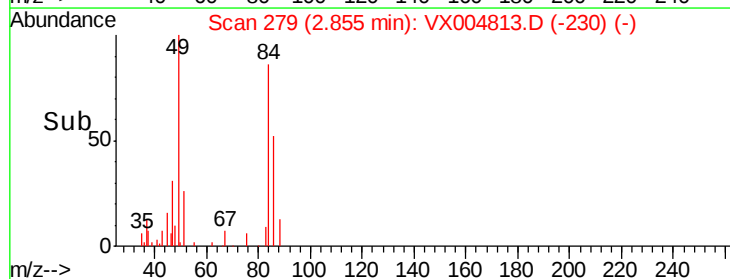
1500

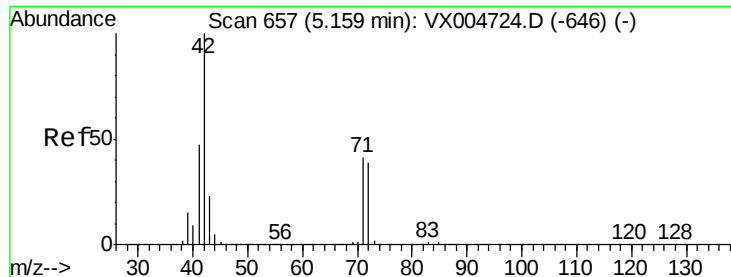
1000

500

0

Time-->

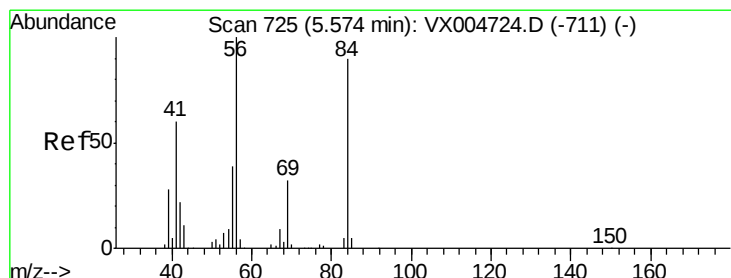
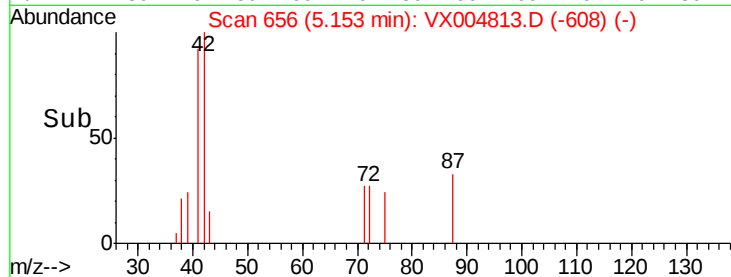
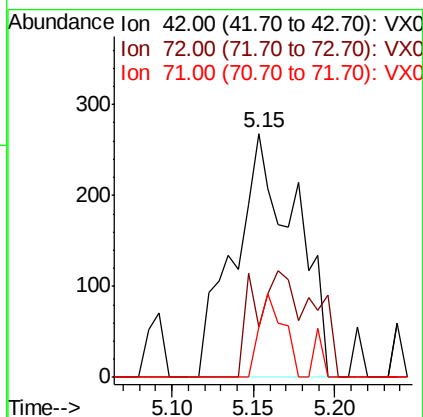
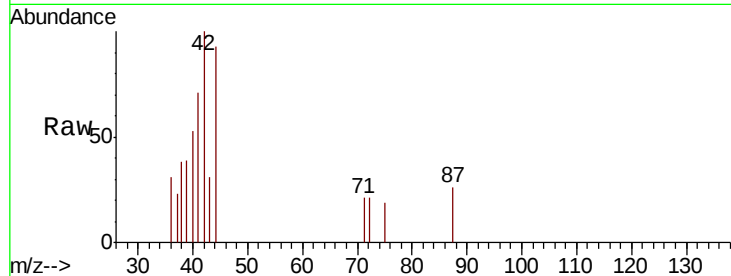




#29
Tetrahydrofuran
Concen: 0.389 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004813.D
Acq: 28 Sep 2018 11:14

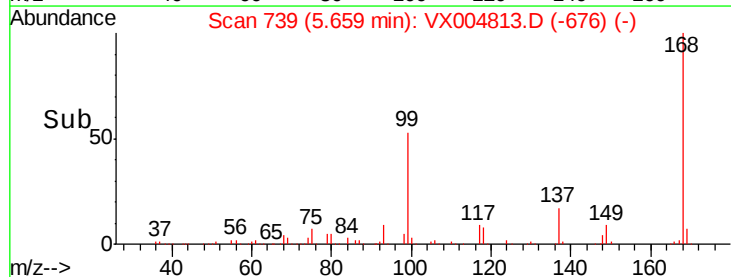
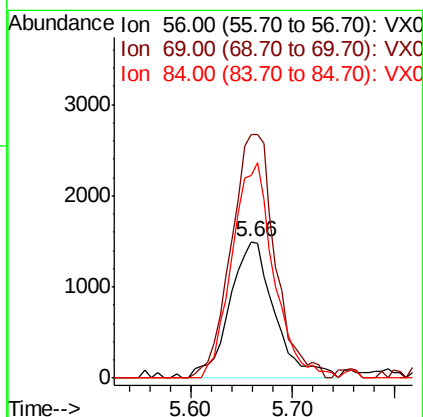
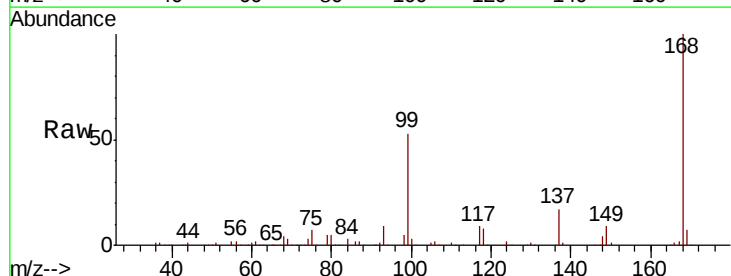
Instrument :
MSVOA_X
ClientSampleId :
VX0928WBL01

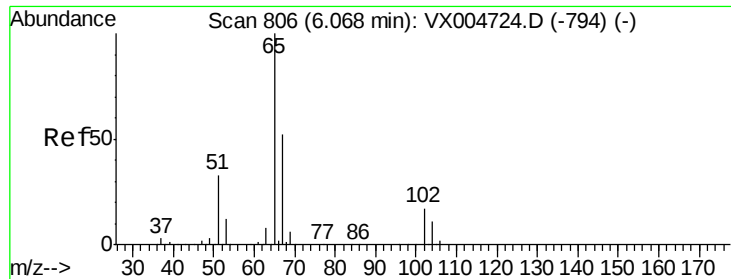
Tot Ion	Ratio	Lower	Upper
42	100		
72	28.6	37.4	56.0#
71	13.8	34.5	51.7#



#31
Cyclohexane
Concen: 1.063 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX004813.D
Acq: 28 Sep 2018 11:14

Tgt Ion	Ratio	Lower	Upper
56	100		
69	178.3	25.4	38.2#
84	148.3	71.4	107.2#





#33

1,2-Dichloroethane-d4

Concen: 55.083 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004813.D

Acq: 28 Sep 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

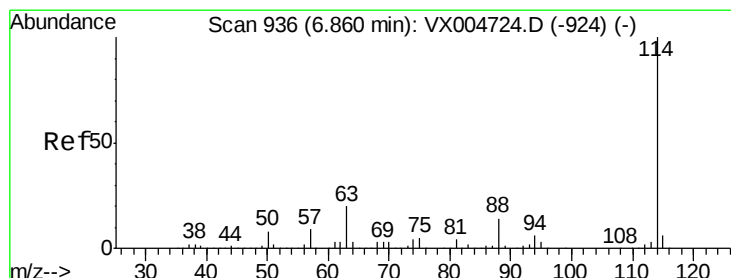
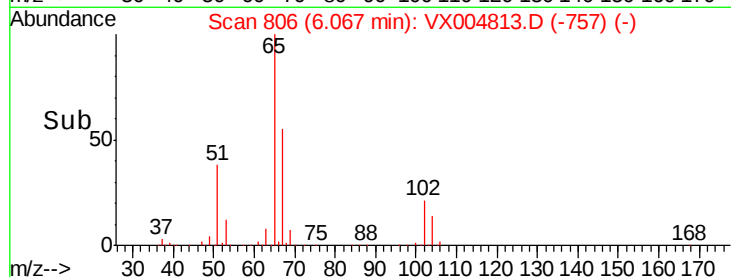
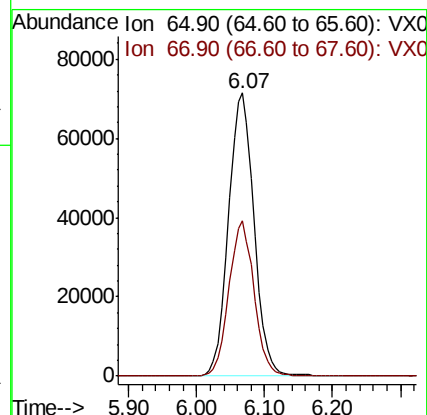
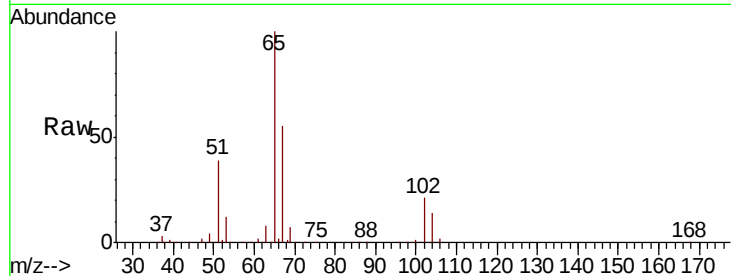
VX0928WBL01

Tot Ion: 65 Resp: 186014

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004813.D

Acq: 28 Sep 2018 11:14

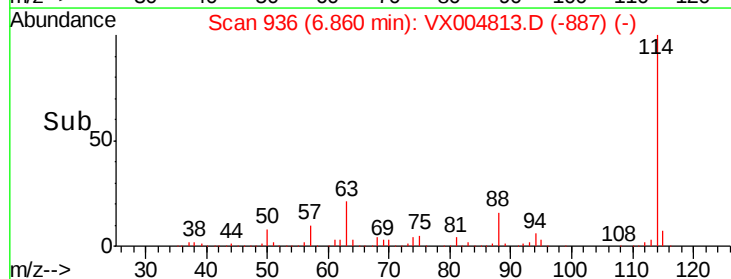
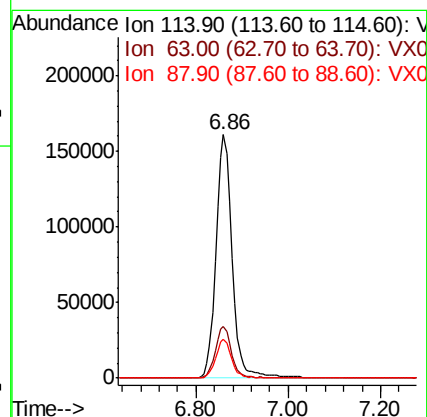
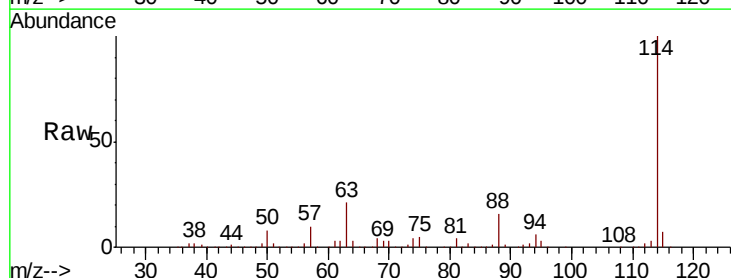
Tgt Ion: 114 Resp: 392183

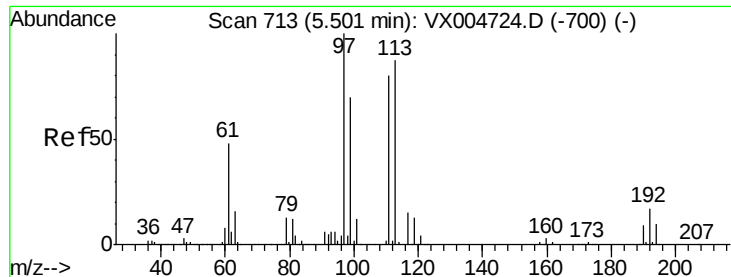
Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.0

88 15.8 0.0 30.4

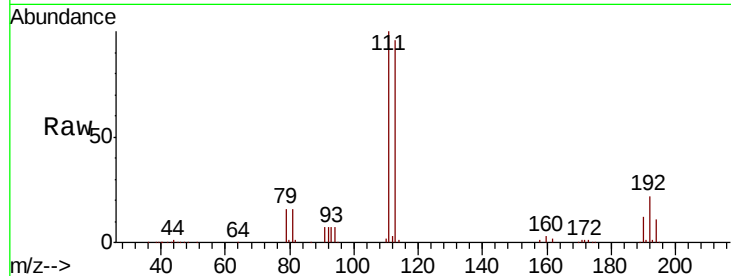




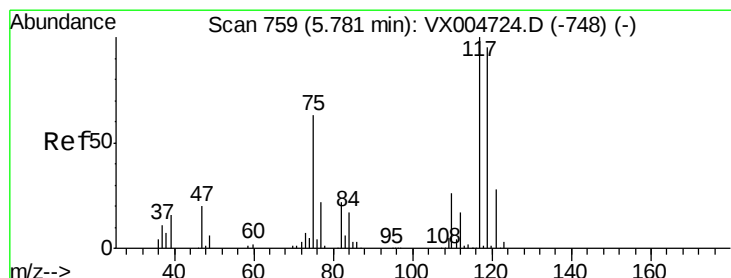
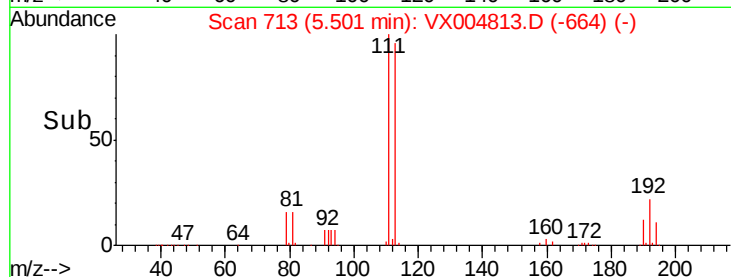
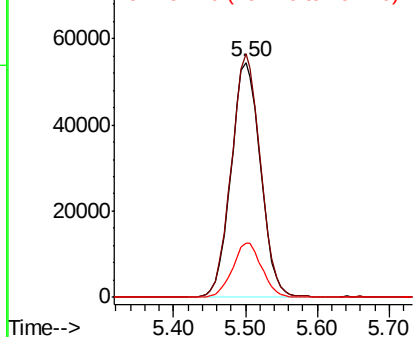
#35
 Dibromofluoromethane
 Concen: 46.719 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004813.D
 Acq: 28 Sep 2018 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBL01

Tot Ion:113 Resp: 155284
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.4 123.6
 192 22.9 19.4 29.2

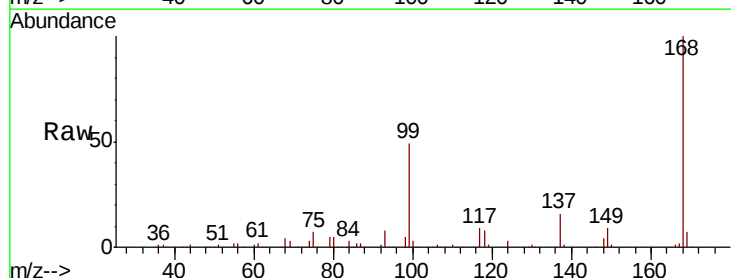


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

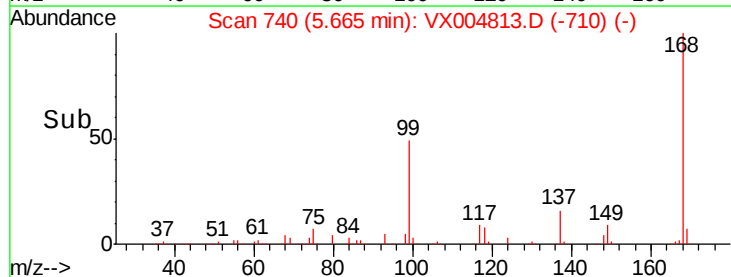
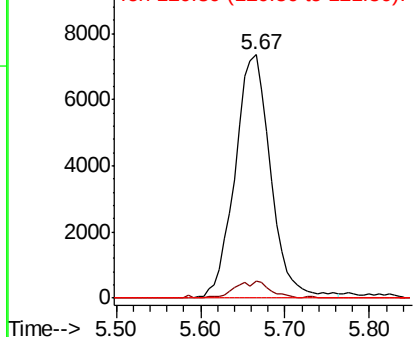


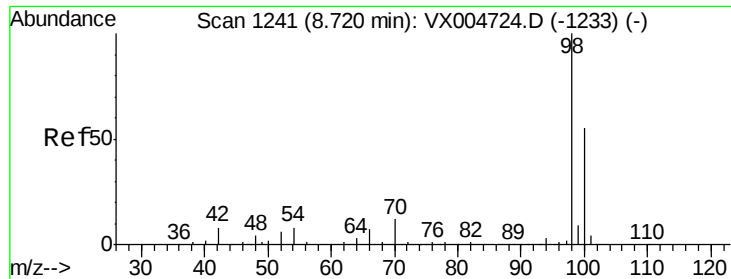
#38
 Carbon Tetrachloride
 Concen: 4.442 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX004813.D
 Acq: 28 Sep 2018 11:14

Tgt Ion:117 Resp: 21174
 Ion Ratio Lower Upper
 117 100
 119 6.8 78.8 118.2#
 121 0.0 24.9 37.3#



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: 50.890 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004813.D

Acq: 28 Sep 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

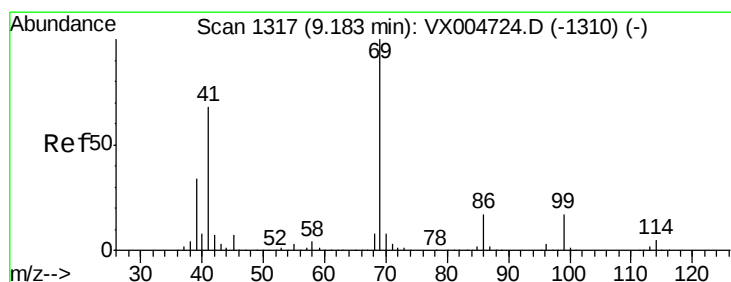
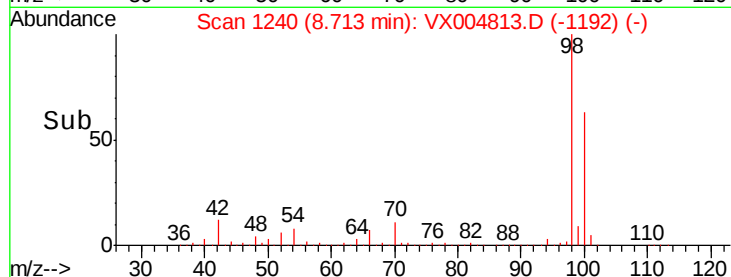
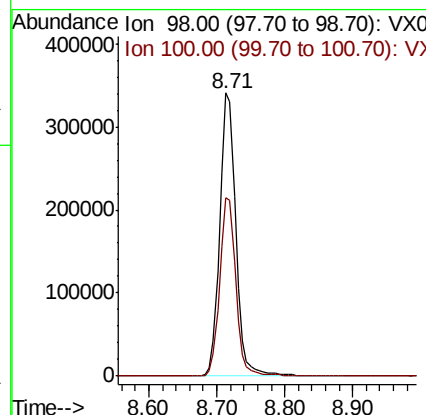
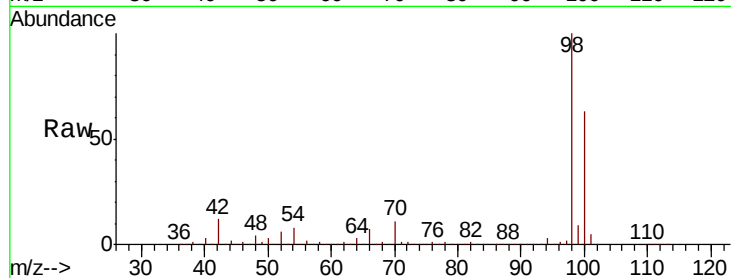
VX0928WBL01

Tot Ion: 98 Resp: 562335

Ion Ratio Lower Upper

98 100

100 63.3 52.9 79.3



#56

Ethyl methacrylate

Concen: 2.865 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VX004813.D

Acq: 28 Sep 2018 11:14

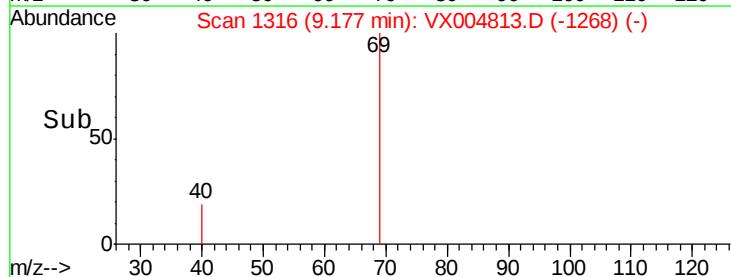
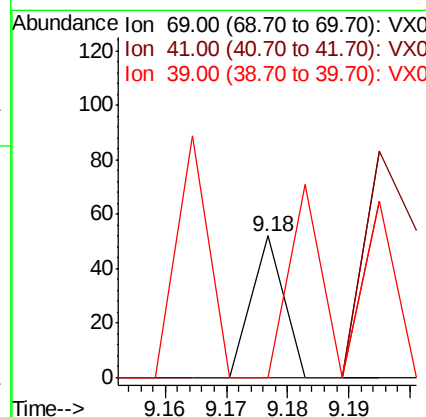
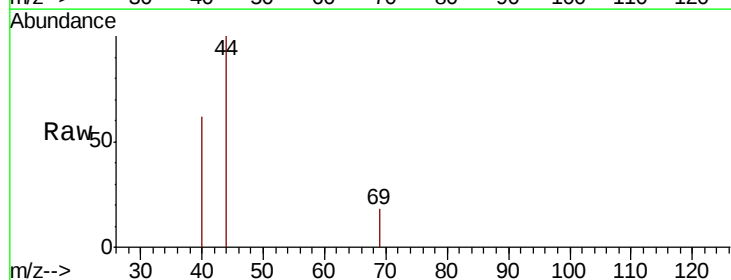
Tgt Ion: 69 Resp: 19

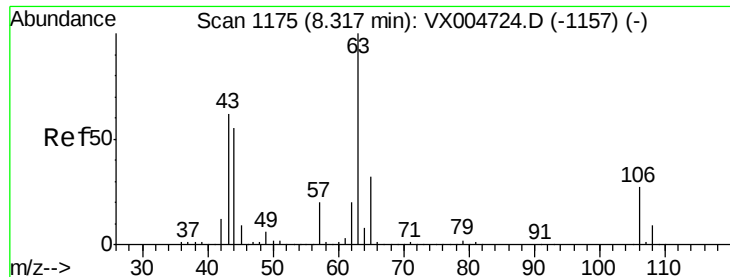
Ion Ratio Lower Upper

69 100

41 263.2 51.0 76.4#

39 263.2 26.1 39.1#

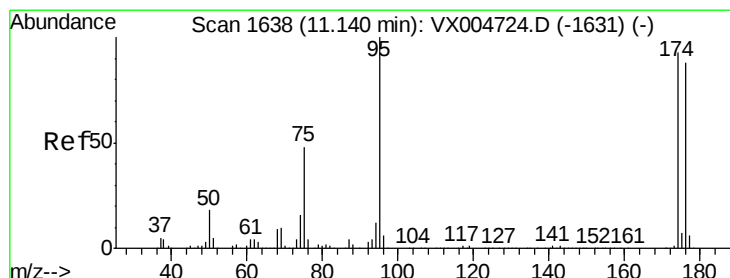
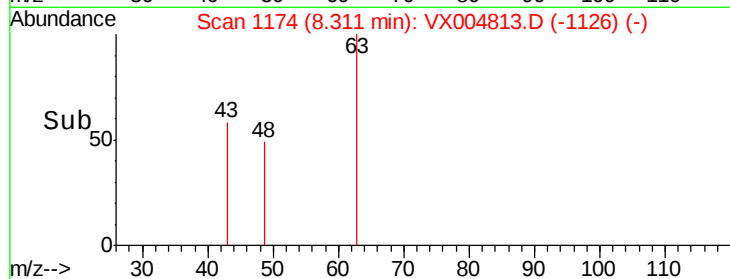
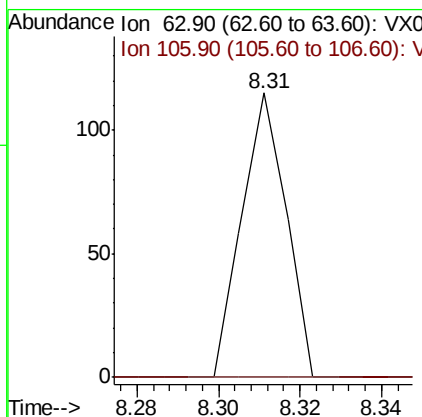
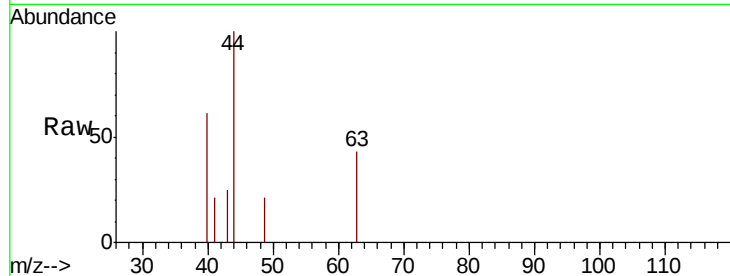




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.270 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX004813.D
 Acq: 28 Sep 2018 11:14

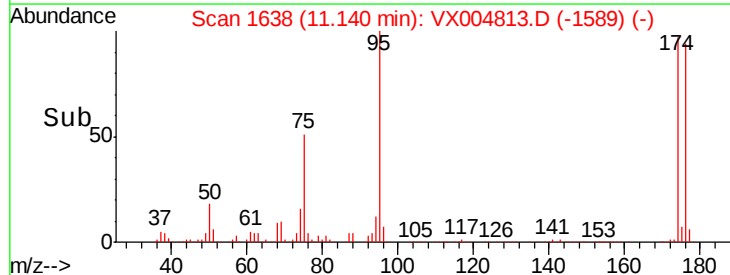
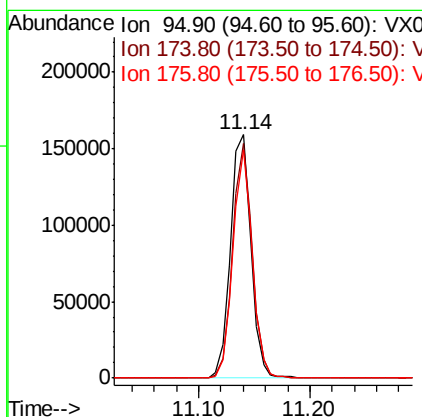
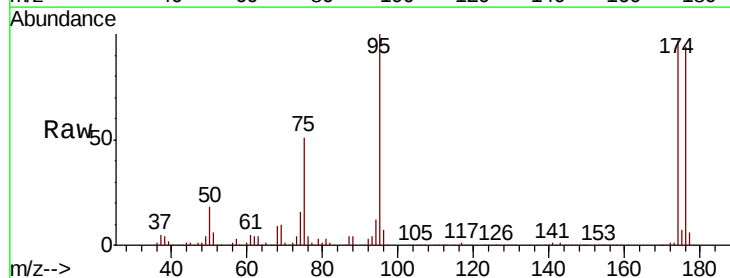
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBL01

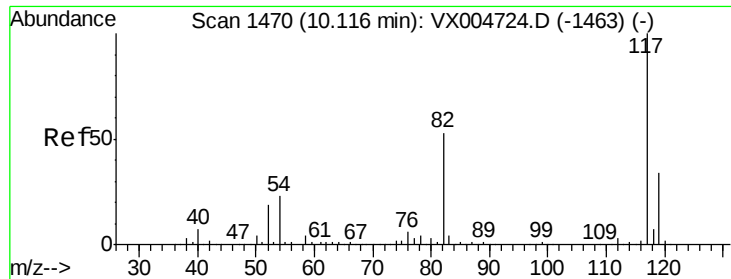
Tot Ion: 63 Resp: 87
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#



#62
 4-Bromofluorobenzene
 Concen: 51.007 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004813.D
 Acq: 28 Sep 2018 11:14

Tgt Ion: 95 Resp: 203048
 Ion Ratio Lower Upper
 95 100
 174 92.4 0.0 185.2
 176 88.6 0.0 178.6

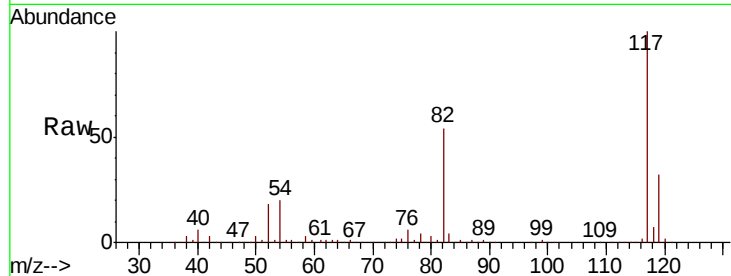




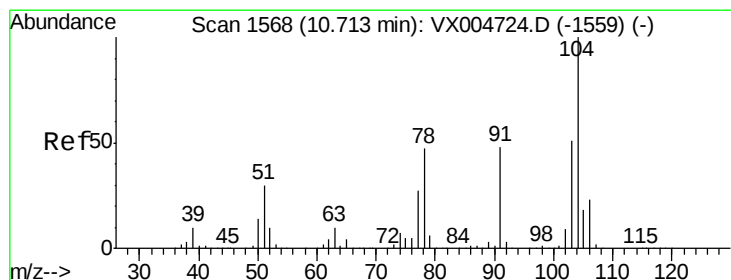
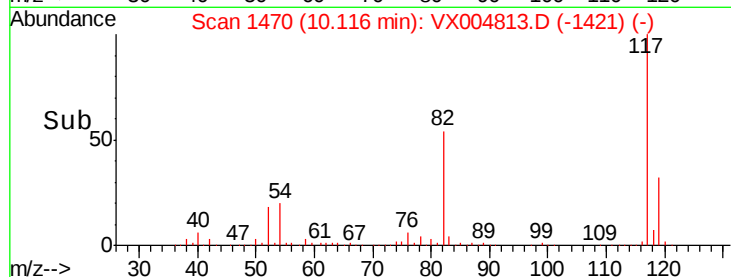
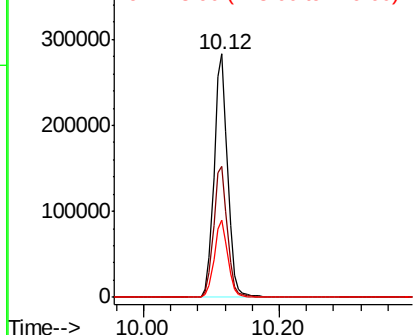
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004813.D
Acq: 28 Sep 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBL01

Tot Ion:117 Resp: 391002
Ion Ratio Lower Upper
117 100
82 54.0 47.8 71.6
119 31.6 29.3 43.9

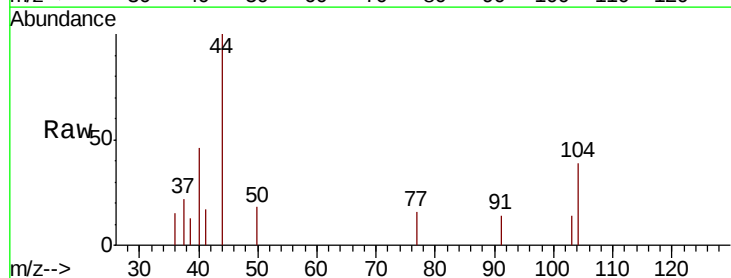


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

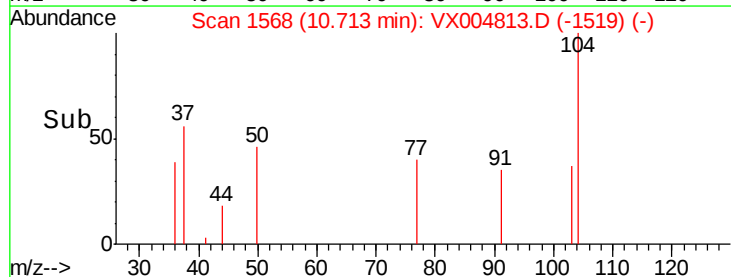
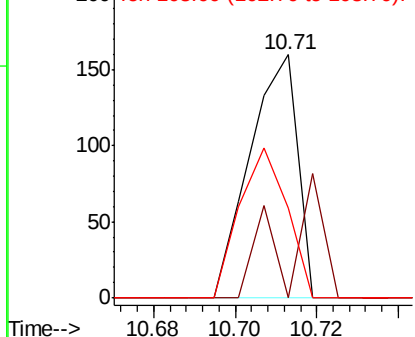


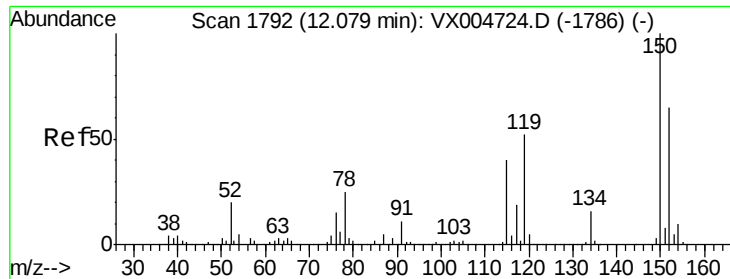
#70
Styrene
Concen: 2.152 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004813.D
Acq: 28 Sep 2018 11:14

Tgt Ion:104 Resp: 130
Ion Ratio Lower Upper
104 100
78 16.9 37.4 56.0#
103 61.5 43.8 65.6



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: VX004813.D

Acq: 28 Sep 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBL01

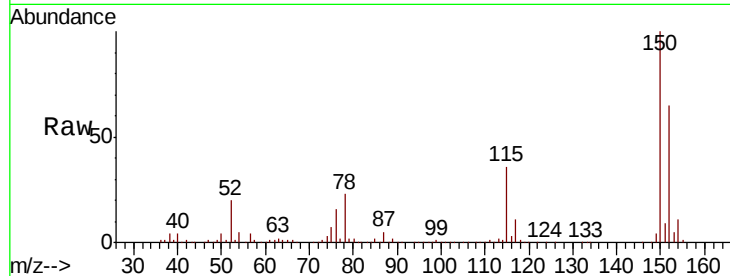
Tot Ion:152 Resp: 216005

Ion Ratio Lower Upper

152 100

115 55.1 39.0 117.0

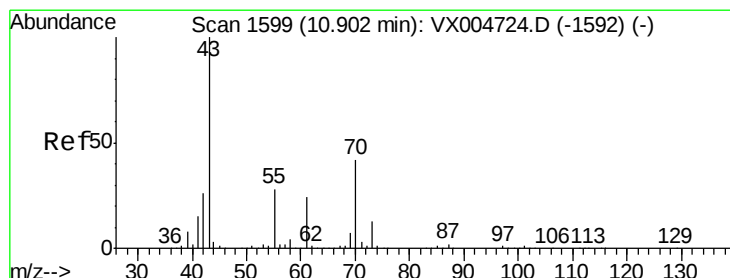
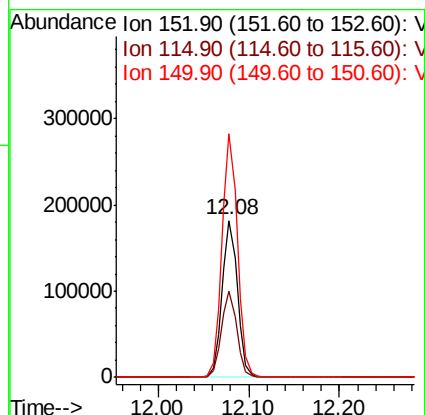
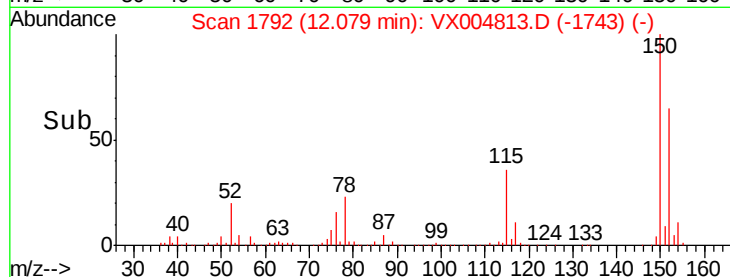
150 156.4 0.0 351.0



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: 1.767 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX004813.D

Acq: 28 Sep 2018 11:14

Tgt Ion: 43 Resp: 146

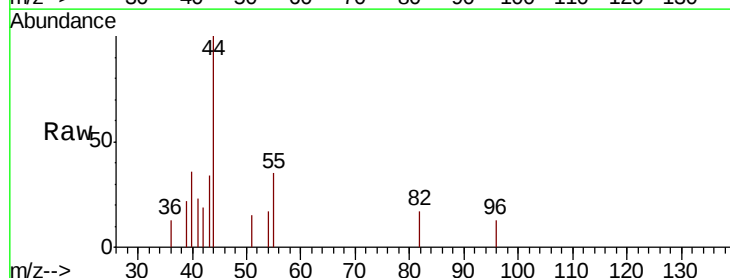
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 34.9 21.8 32.8#

61 0.0 20.6 30.8#

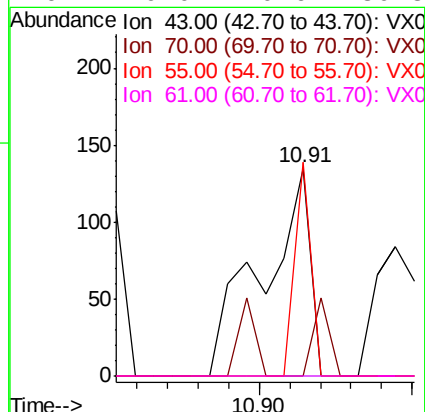
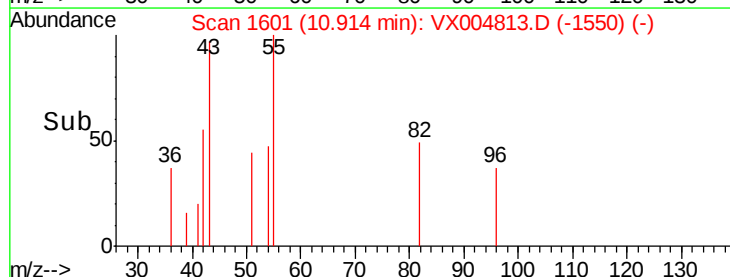


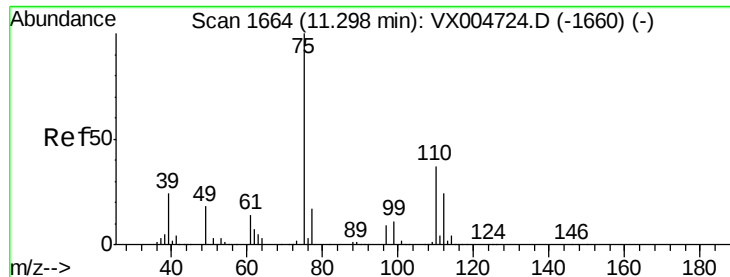
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.090 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004813.D

Acq: 28 Sep 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

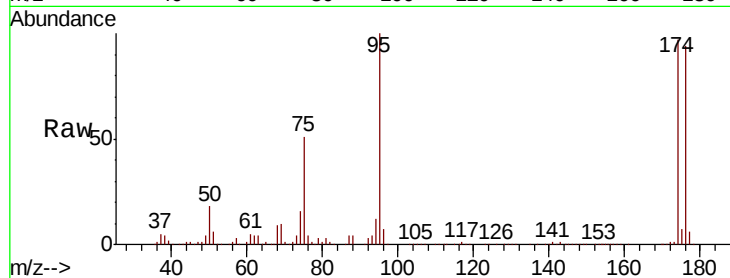
VX0928WBL01

Tot Ion: 75 Resp: 102105

Ion Ratio Lower Upper

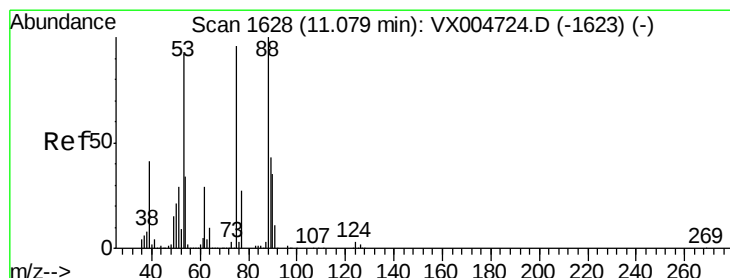
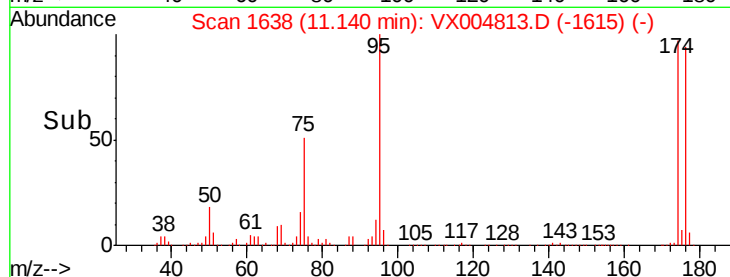
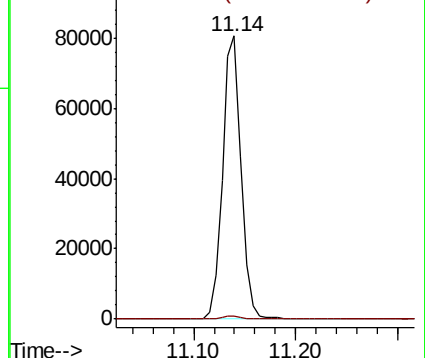
75 100

77 1.2 20.2 60.6#



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: 57.221 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004813.D

Acq: 28 Sep 2018 11:14

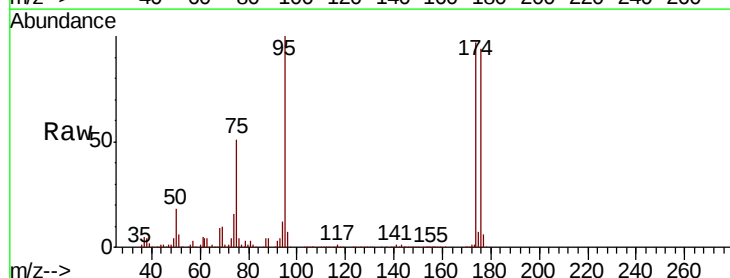
Tgt Ion: 75 Resp: 102105

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

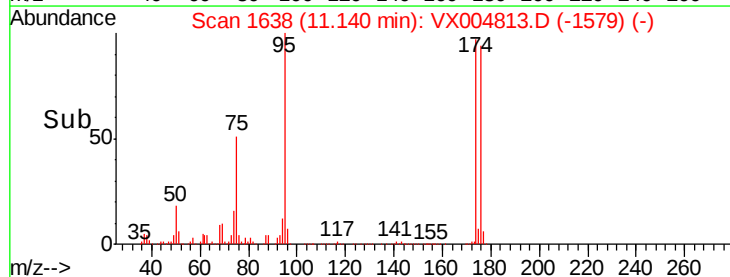
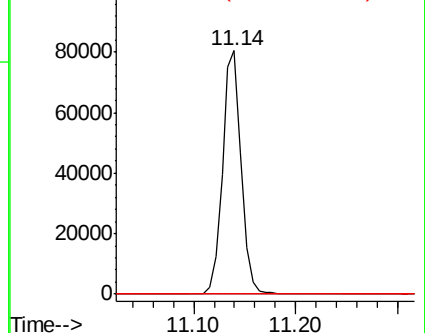
89 0.0 37.2 55.8#

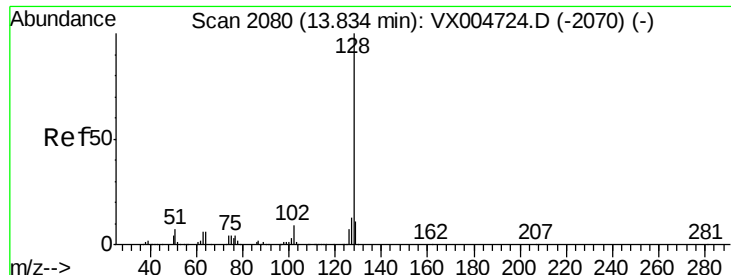


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
Naphthalene
Concen: 0.759 ug/l
RT: 13.84 min Scan# 2081
Delta R.T. 0.01 min
Lab File: VX004813.D
Acq: 28 Sep 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBL01

Tot Ion	Ratio	Lower	Upper
128	100		
127	3.2	10.2	15.2#
129	0.0	8.6	12.8#

