

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080918\
 Data File : VX003941.D
 Acq On : 09 Aug 2018 10:56
 Operator : JC/MD
 Sample : VX0809WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBL01

Quant Time: Aug 10 01:00:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	328117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	502816	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	473929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	253265	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	217242	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
35) Dibromofluoromethane	5.50	113	185898	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
50) Toluene-d8	8.71	98	705969	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
62) 4-Bromofluorobenzene	11.14	95	249905	52.14	ug/l	0.00
Spiked Amount			Recovery	=	104.28%	

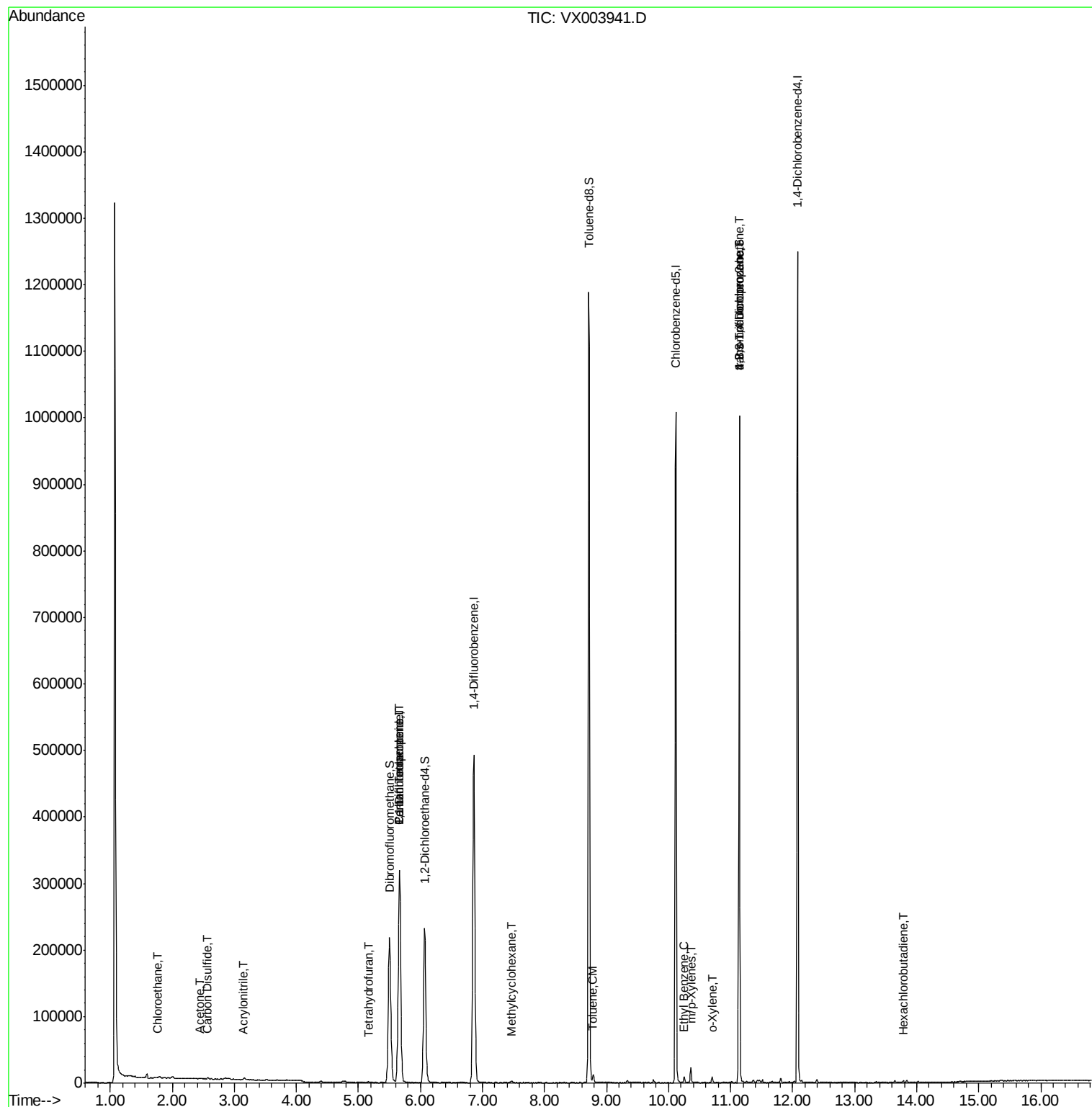
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	90	Below Cal	#	3
6) Chloroethane	1.76	64	4994	1.73	ug/l	57
13) Acrolein	2.29	56	320	Below Cal	#	13
15) Acrylonitrile	3.14	53	776	0.31	ug/l	62
16) Acetone	2.44	43	612	0.24	ug/l	81
17) Carbon Disulfide	2.57	76	2899	0.73	ug/l	98
20) Methylene Chloride	2.86	84	891	Below Cal		97
29) Tetrahydrofuran	5.16	42	1394	0.70	ug/l	83
36) 1,1-Dichloropropene	5.66	75	21902	3.89	ug/l	49
38) Carbon Tetrachloride	5.66	117	28647	5.34	ug/l	15
39) Methylcyclohexane	7.47	83	1337	0.20	ug/l	88
52) Toluene	8.79	92	4278	0.40	ug/l	96
67) Ethyl Benzene	10.25	91	5056	0.25	ug/l	90
68) m/p-Xylenes	10.36	106	5822	0.74	ug/l	92
69) o-Xylene	10.70	106	1897	0.25	ug/l	93
76) 1,2,3-Trichloropropane	11.14	75	121578	21.73	ug/l	36
81) trans-1,4-Dichloro-2-buten	11.14	75	121578	58.72	ug/l	9
88) 1,4-Dichlorobenzene	12.03	146	1018	Below Cal		90
94) Hexachlorobutadiene	13.79	225	687	0.67	ug/l	94

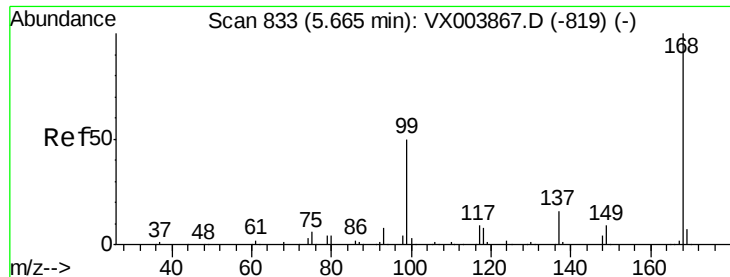
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 07:45:48 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003941.D

Acq: 09 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

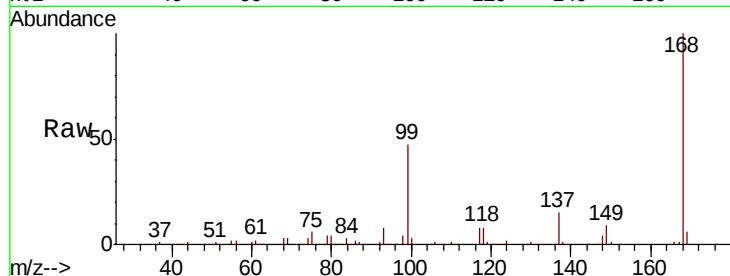
VX0809WBL01

Tot Ion:168 Resp: 328117

Ion Ratio Lower Upper

168 100

99 47.3 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

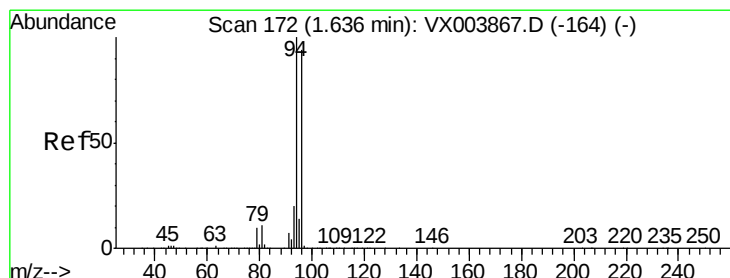
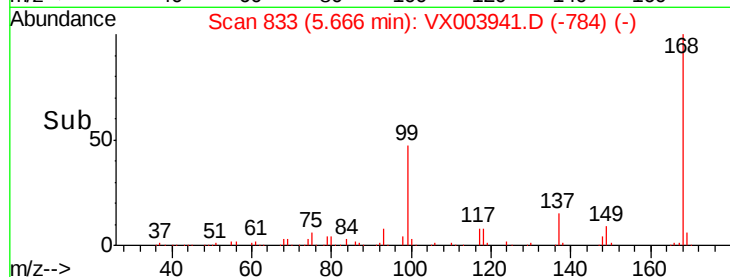
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 169

Delta R.T. -0.02 min

Lab File: VX003941.D

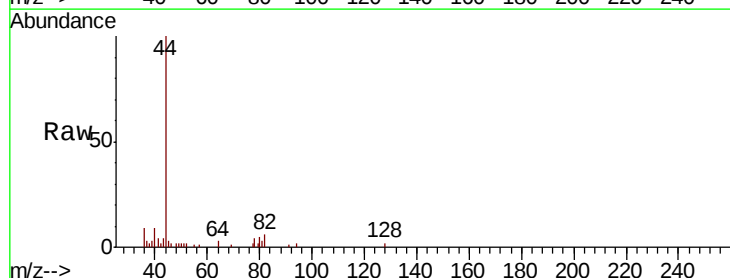
Acq: 09 Aug 2018 10:56

Tgt Ion: 94 Resp: 90

Ion Ratio Lower Upper

94 100

96 0.0 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

150

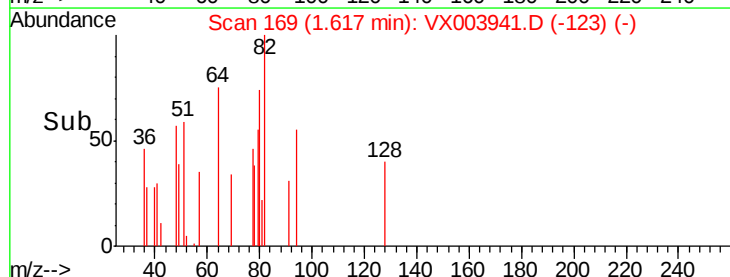
100

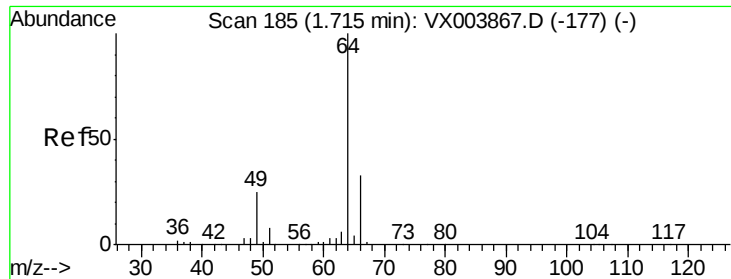
50

0

Time-->

1.59 1.60 1.61 1.62 1.63

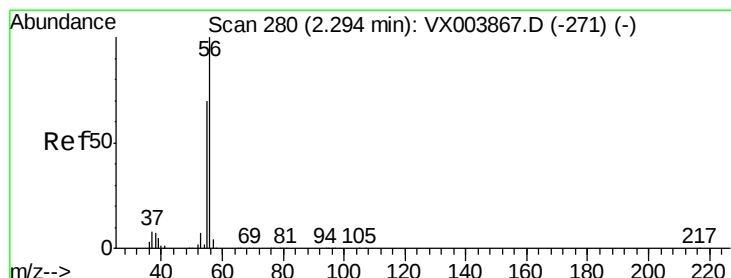
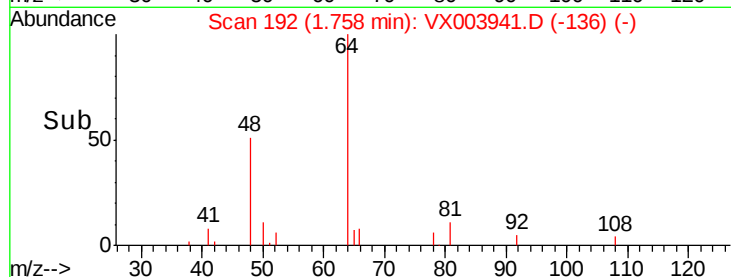
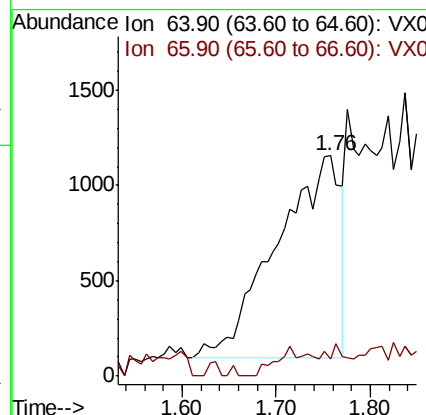
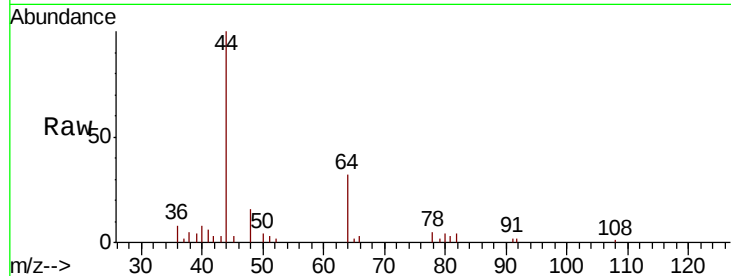




#6
Chloroethane
Concen: 1.73 ug/l
RT: 1.76 min Scan# 192
Delta R.T. 0.04 min
Lab File: VX003941.D
Acq: 09 Aug 2018 10:56

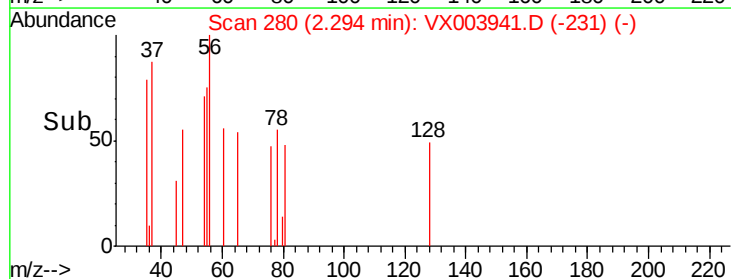
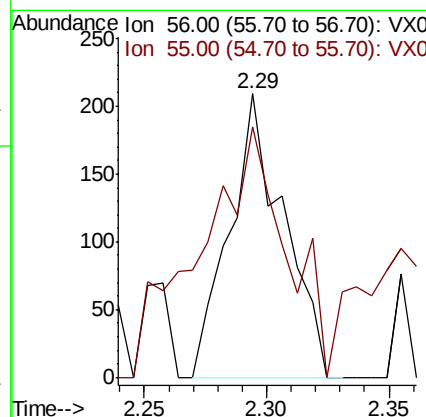
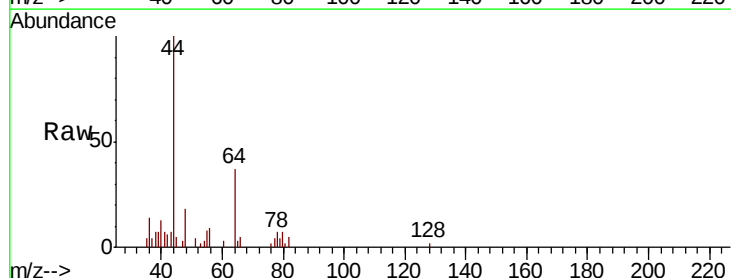
Instrument :
MSVOA_X
ClientSampleId :
VX0809WBL01

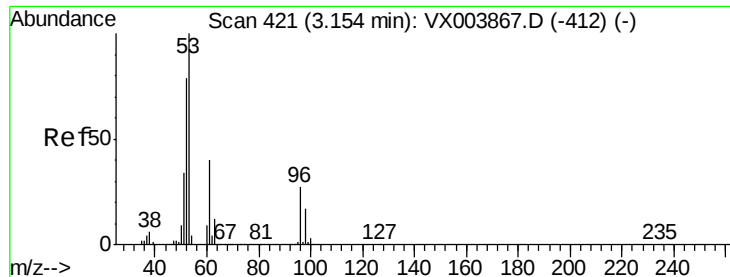
Tot Ion: 64 Resp: 4994
Ion Ratio Lower Upper
64 100
66 8.5 26.5 39.7#



#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003941.D
Acq: 09 Aug 2018 10:56

Tgt Ion: 56 Resp: 320
Ion Ratio Lower Upper
56 100
55 141.3 56.1 84.1#





#15

Acrylonitrile

Concen: 0.31 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX003941.D

Acq: 09 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampled :

VX0809WBL01

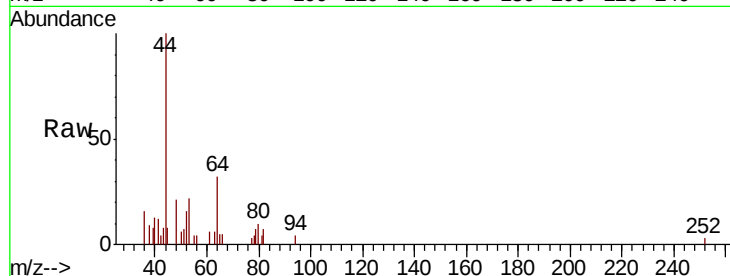
Tot Ion: 53 Resp: 776

Ion Ratio Lower Upper

53 100

52 107.3 65.3 97.9#

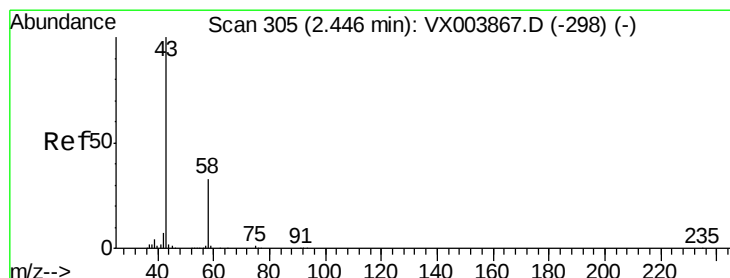
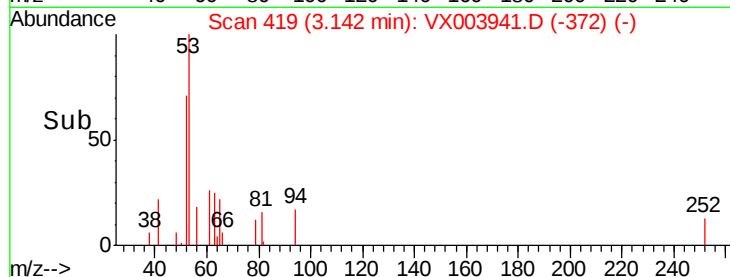
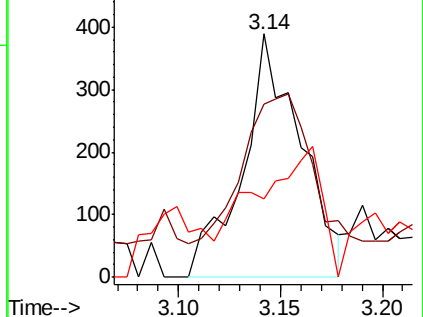
51 0.0 27.9 41.9#



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: 0.24 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX003941.D

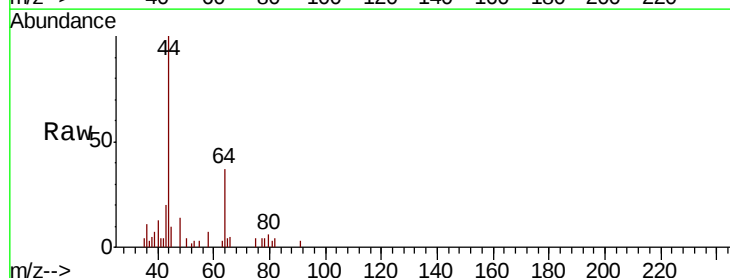
Acq: 09 Aug 2018 10:56

Tgt Ion: 43 Resp: 612

Ion Ratio Lower Upper

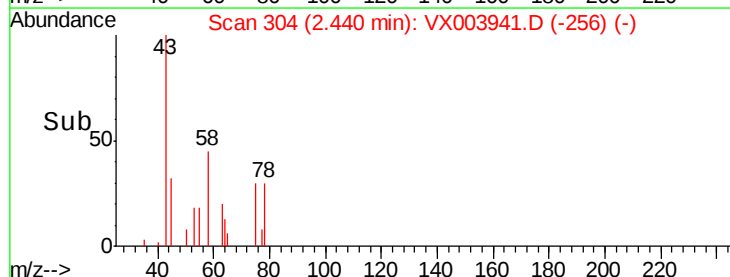
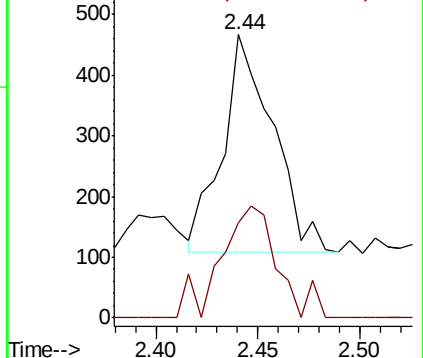
43 100

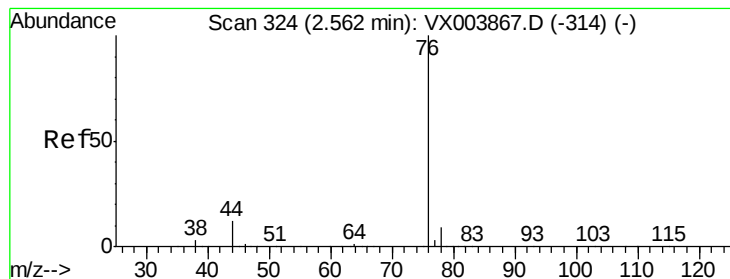
58 43.6 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.73 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003941.D

Acq: 09 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

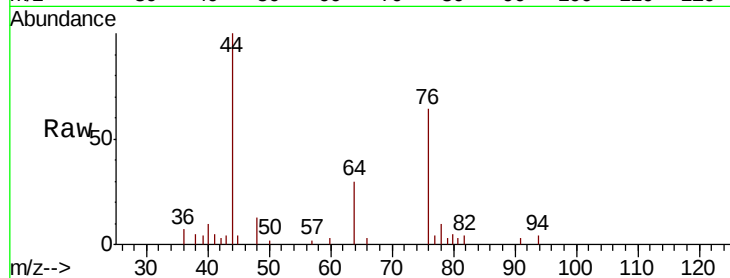
VX0809WBL01

Tot Ion: 76 Resp: 2899

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2000

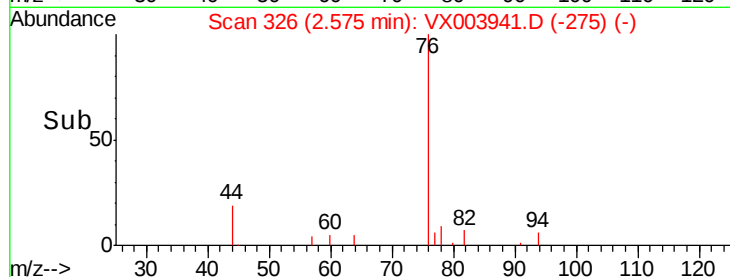
1500

1000

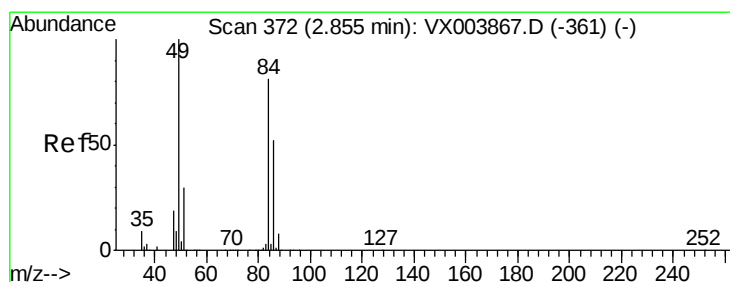
500

0

Time-->



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003941.D

Acq: 09 Aug 2018 10:56

Tgt Ion: 84 Resp: 891

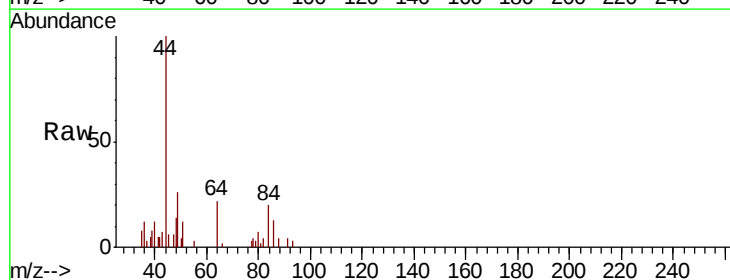
Ion Ratio Lower Upper

84 100

49 125.9 98.9 148.3

51 42.2 29.9 44.9

86 62.2 51.0 76.6



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

1000

800

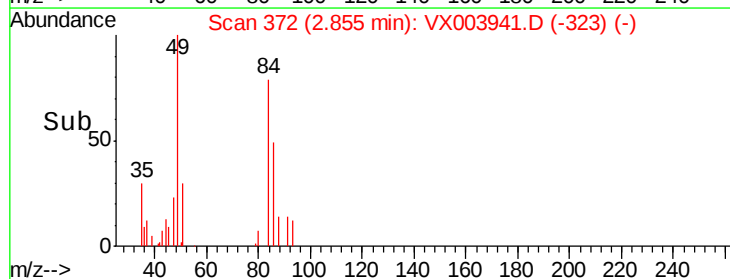
600

400

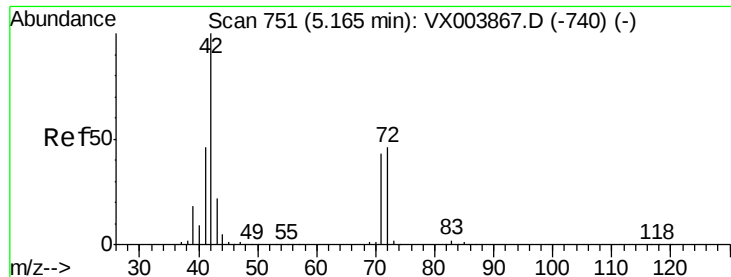
200

0

Time-->



Time-->



#29

Tetrahydrofuran

Concen: 0.70 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.01 min

Lab File: VX003941.D

Acq: 09 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBL01

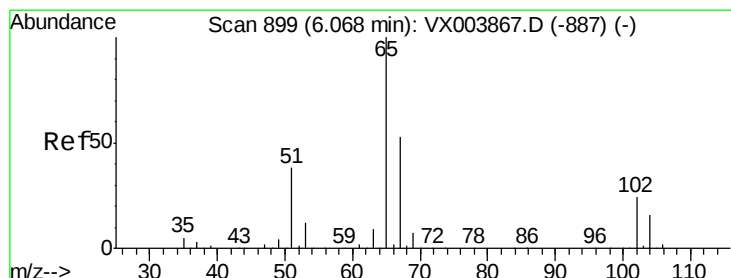
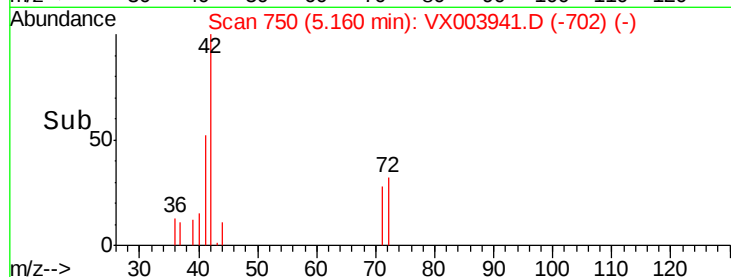
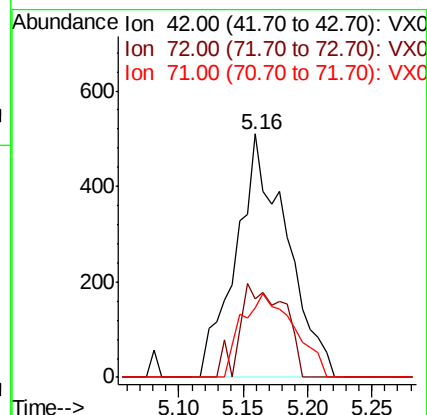
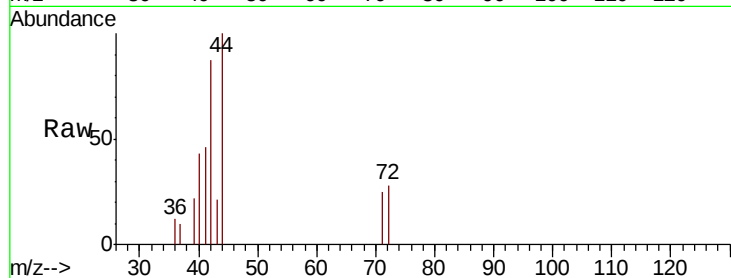
Tot Ion: 42 Resp: 1394

Ion Ratio Lower Upper

42 100

72 33.4 37.7 56.5#

71 35.7 35.0 52.6



#33

1,2-Dichloroethane-d4

Concen: 49.95 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003941.D

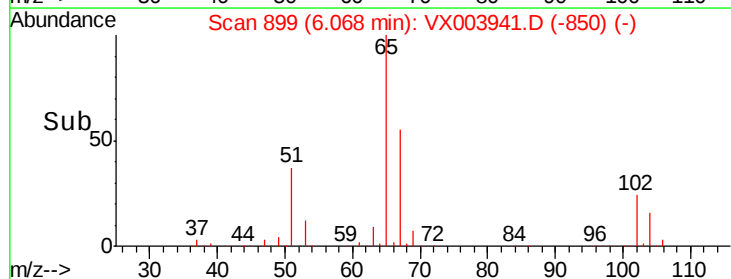
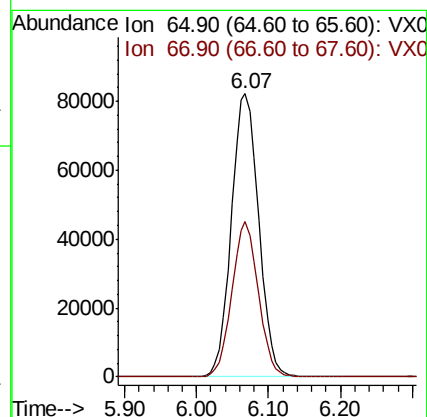
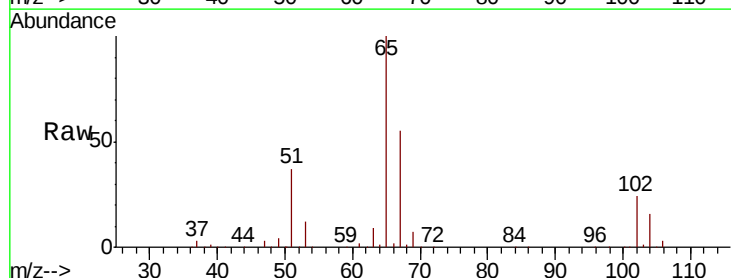
Acq: 09 Aug 2018 10:56

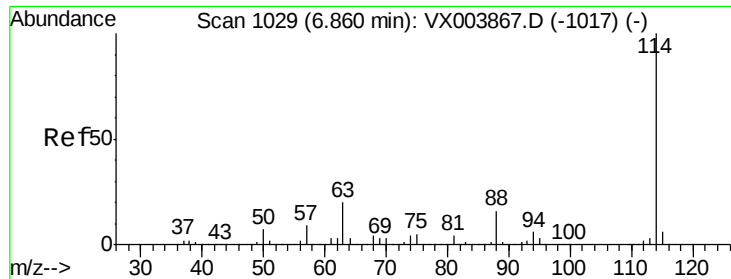
Tgt Ion: 65 Resp: 217242

Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.8

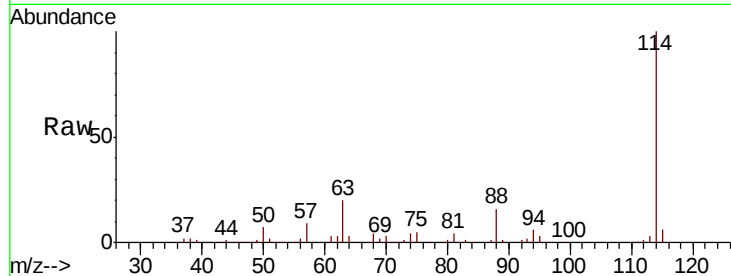




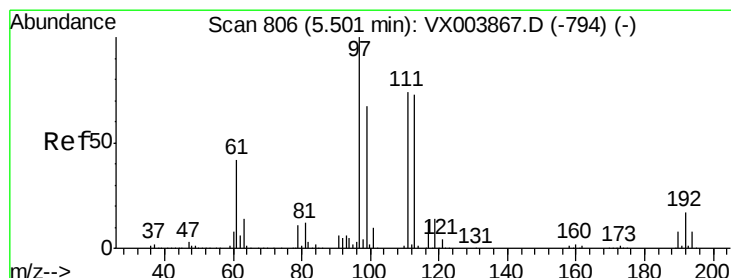
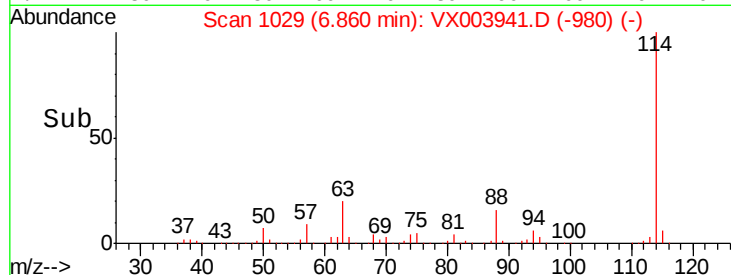
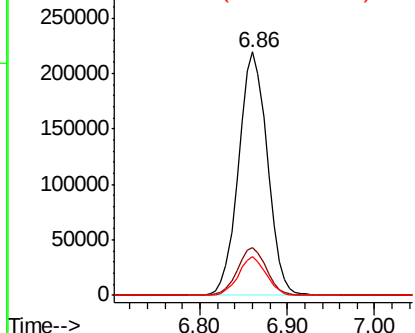
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003941.D
 Acq: 09 Aug 2018 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBL01

Tot Ion:114 Resp: 502816
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.8 0.0 32.0

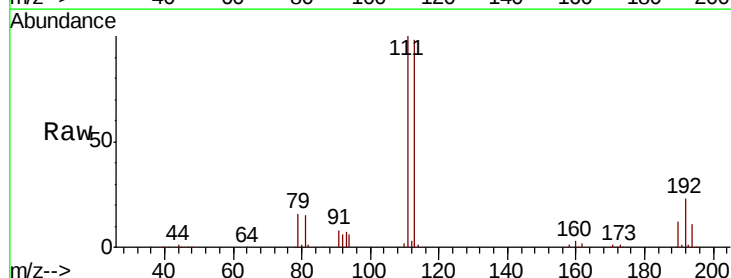


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

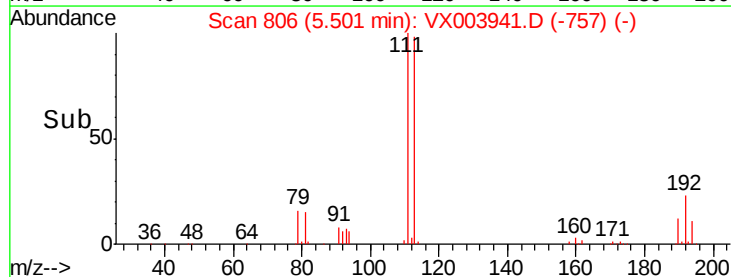
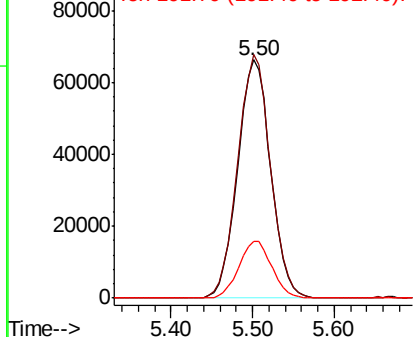


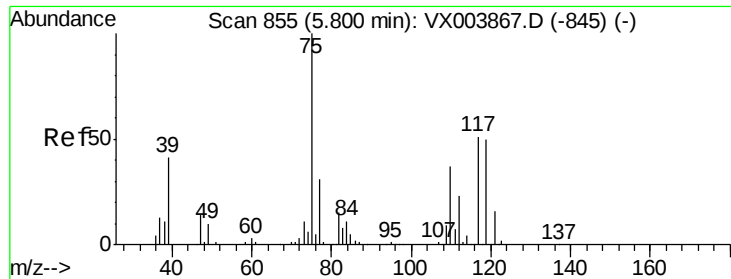
#35
 Dibromofluoromethane
 Concen: 48.80 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX003941.D
 Acq: 09 Aug 2018 10:56

Tgt Ion:113 Resp: 185898
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.0 123.0
 192 23.9 19.0 28.4



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

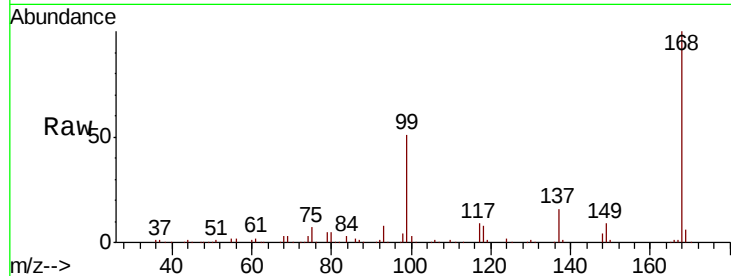




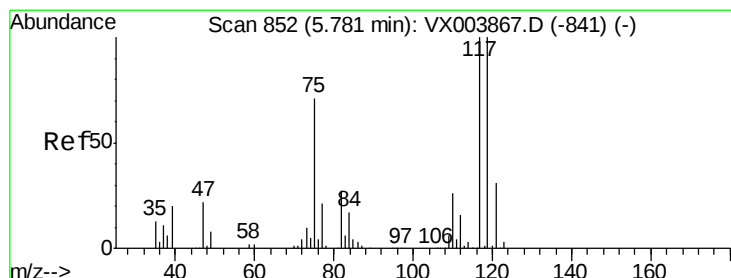
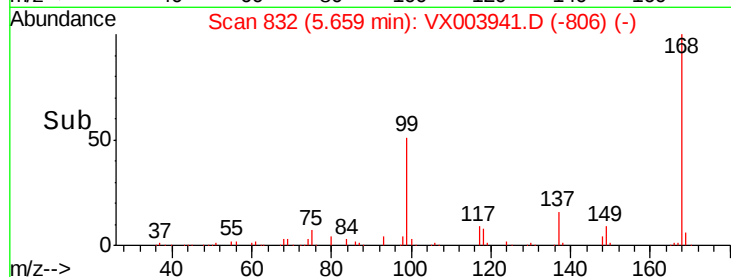
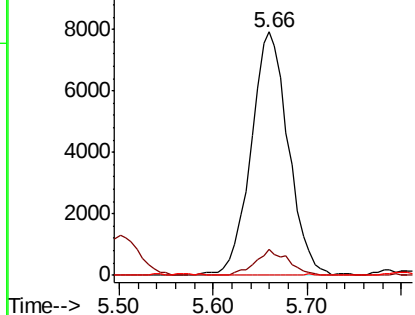
#36
 1,1-Dichloropropene
 Concen: 3.89 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX003941.D
 Acq: 09 Aug 2018 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBL01

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.2	54.6#
77	0.0	25.0	37.4#

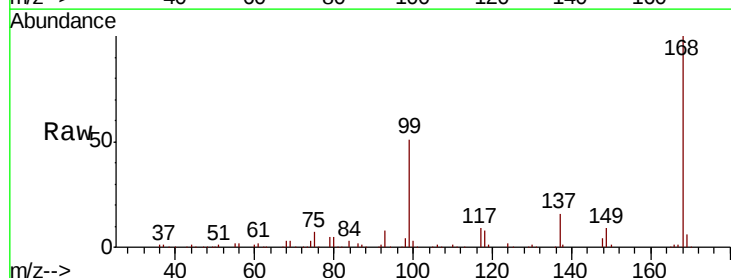


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

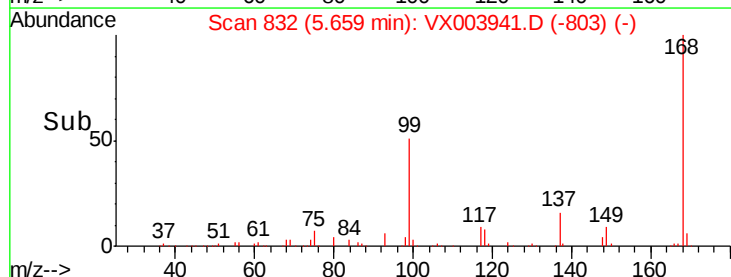
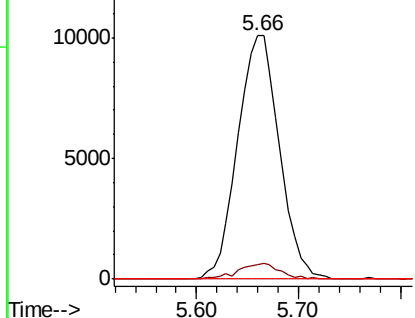


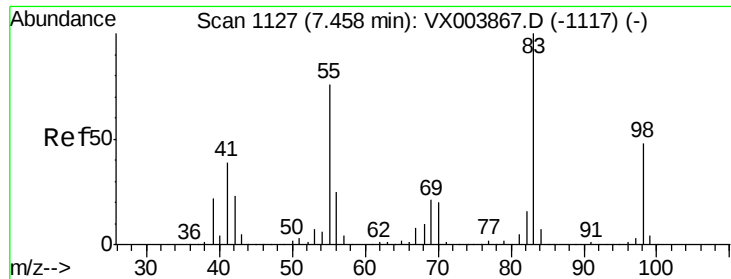
#38
 Carbon Tetrachloride
 Concen: 5.34 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.12 min
 Lab File: VX003941.D
 Acq: 09 Aug 2018 10:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	79.5	119.3#
121	0.0	25.0	37.4#



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

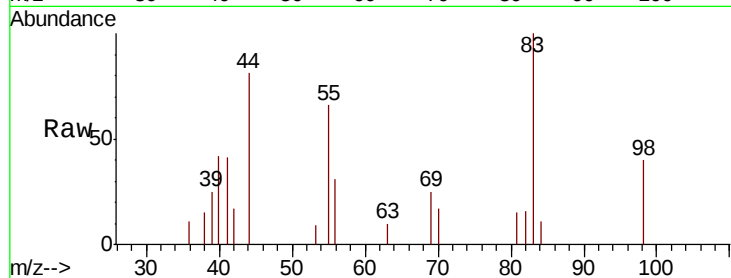




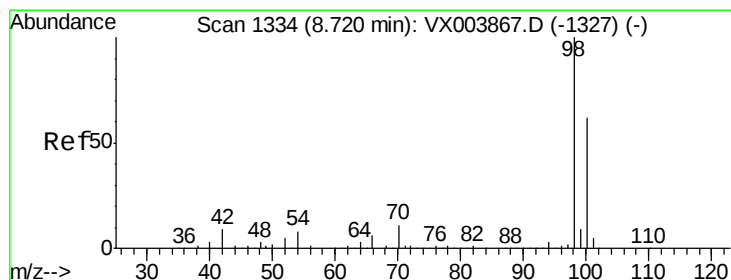
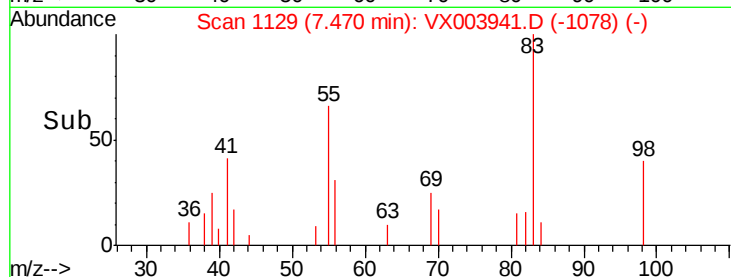
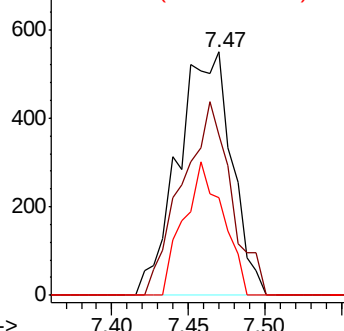
#39
Methylcyclohexane
Concen: 0.20 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX003941.D
Acq: 09 Aug 2018 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBL01

Tot Ion: 83 Resp: 1337
Ion Ratio Lower Upper
83 100
55 66.0 61.0 91.6
98 40.2 38.6 57.8

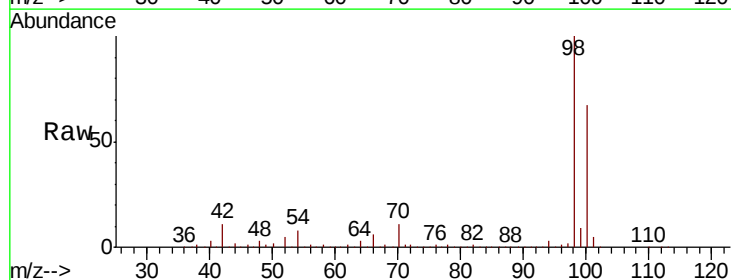


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

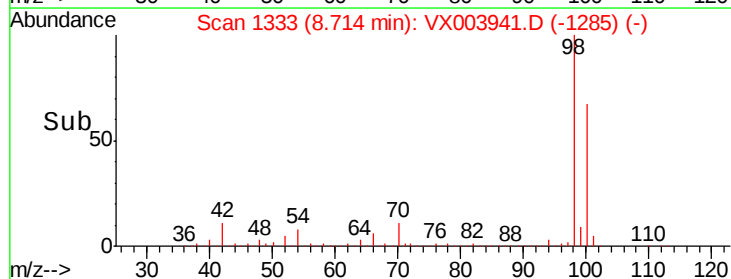
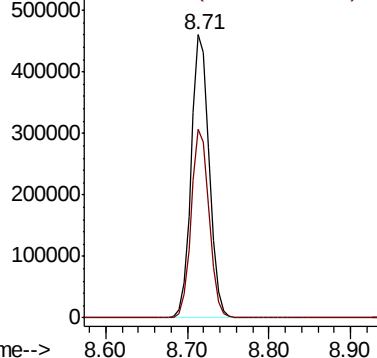


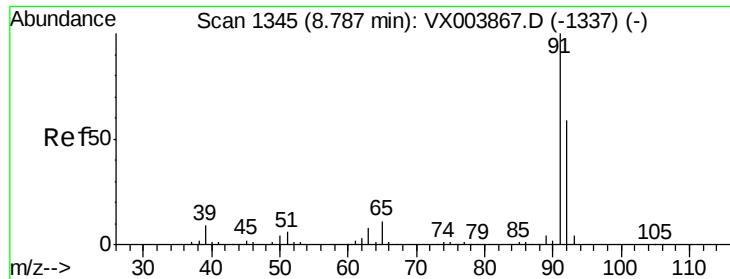
#50
Toluene-d8
Concen: 47.66 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX003941.D
Acq: 09 Aug 2018 10:56

Tgt Ion: 98 Resp: 705969
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): VX0





#52

Toluene

Concen: 0.40 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003941.D

Acq: 09 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

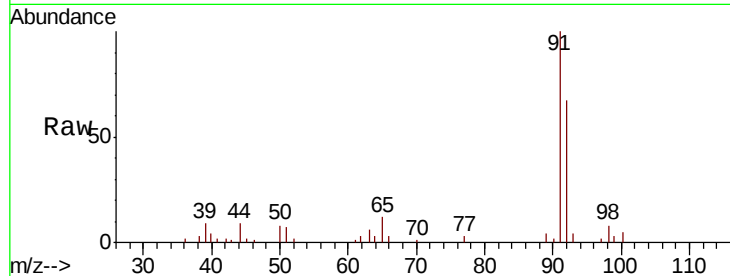
VX0809WBL01

Tot Ion: 92 Resp: 4278

Ion Ratio Lower Upper

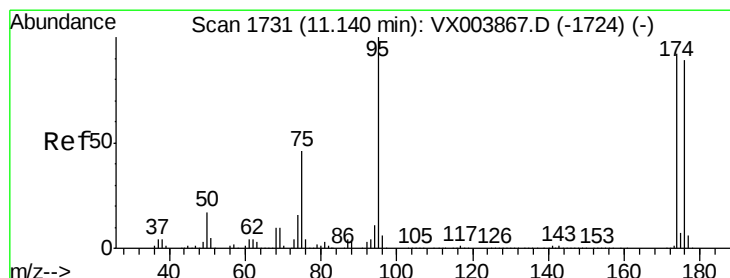
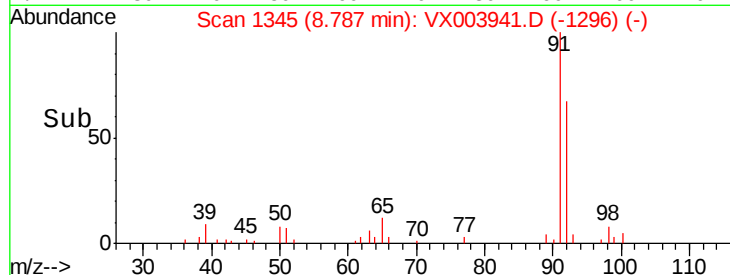
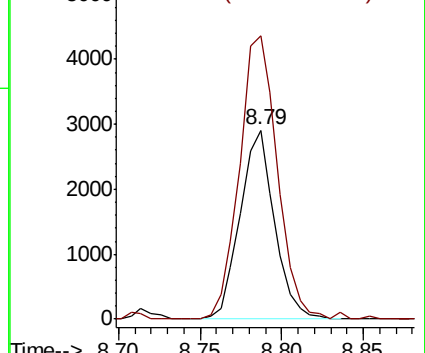
92 100

91 164.7 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 52.14 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003941.D

Acq: 09 Aug 2018 10:56

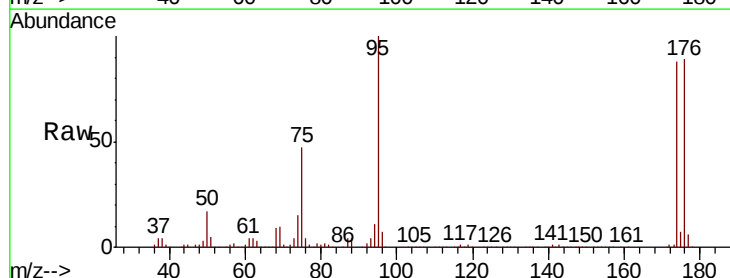
Tgt Ion: 95 Resp: 249905

Ion Ratio Lower Upper

95 100

174 90.5 0.0 182.8

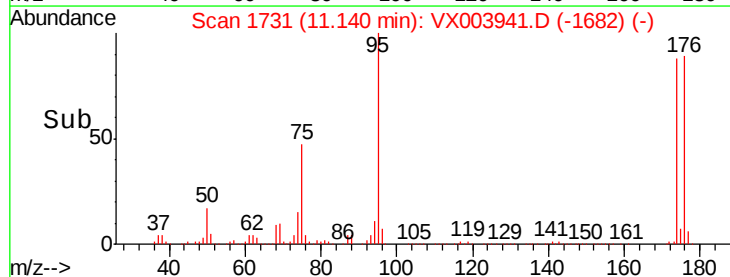
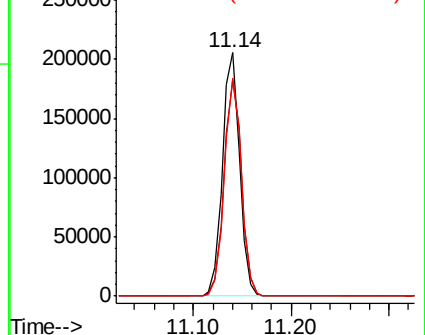
176 89.3 0.0 179.0

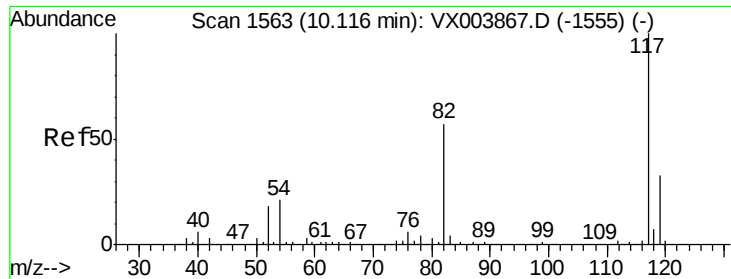


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

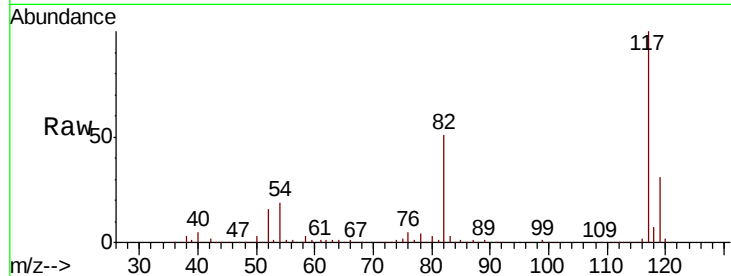




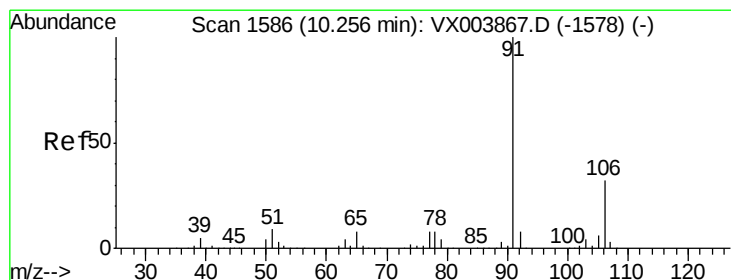
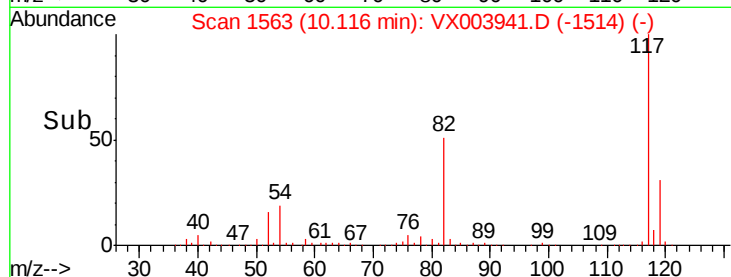
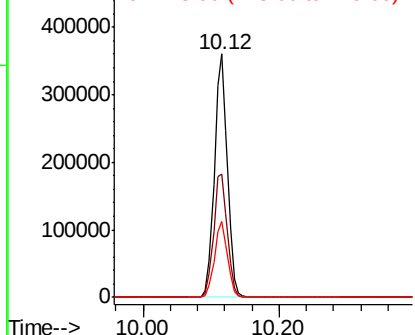
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003941.D
Acq: 09 Aug 2018 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBL01

Tot Ion:117 Resp: 473929
Ion Ratio Lower Upper
117 100
82 50.9 45.4 68.0
119 31.2 26.6 40.0

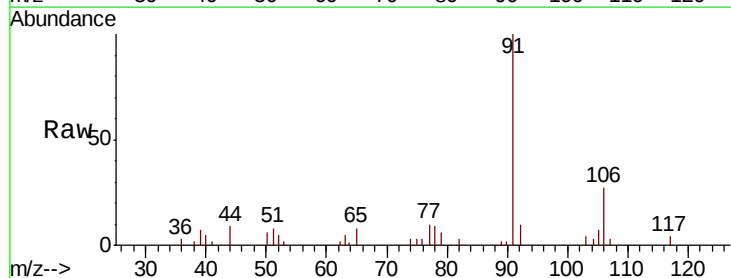


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

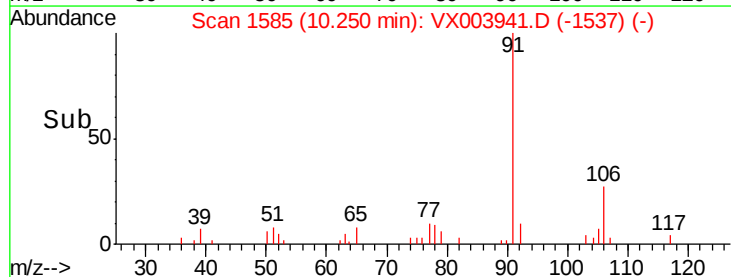
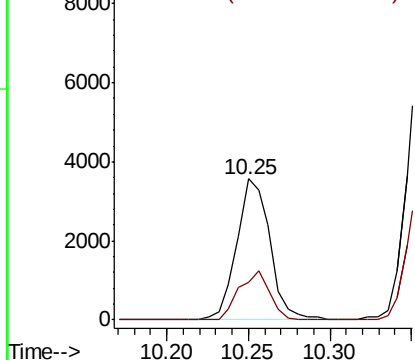


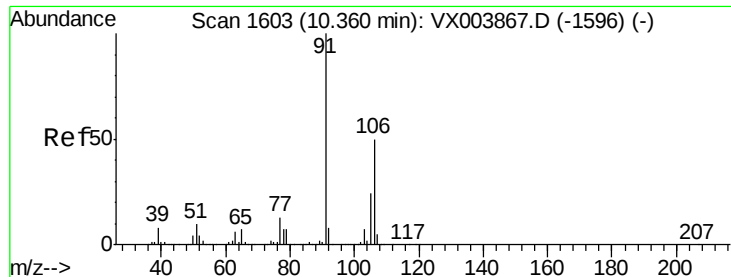
#67
Ethyl Benzene
Concen: 0.25 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX003941.D
Acq: 09 Aug 2018 10:56

Tgt Ion: 91 Resp: 5056
Ion Ratio Lower Upper
91 100
106 27.0 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

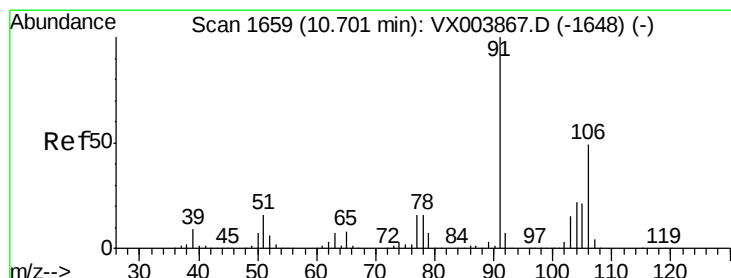
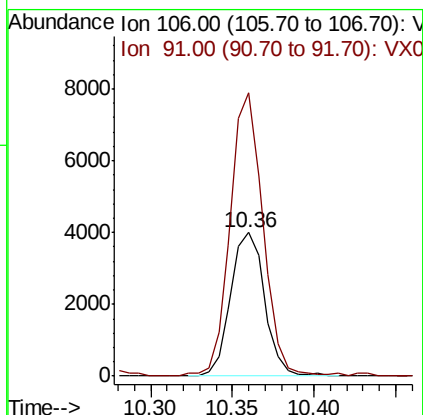
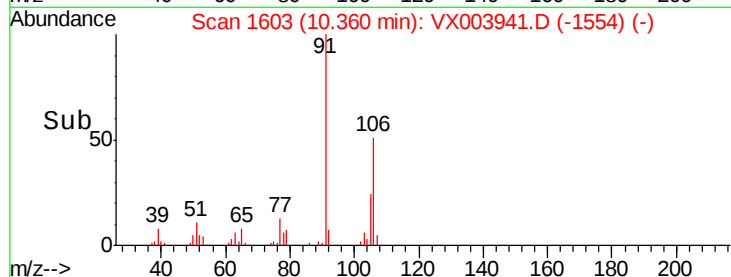
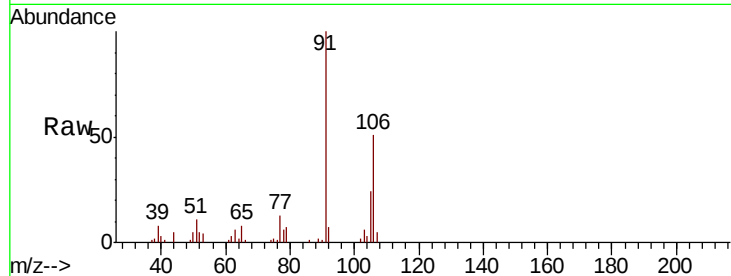




#68
m/p-Xylenes
Concen: 0.74 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003941.D
Acq: 09 Aug 2018 10:56

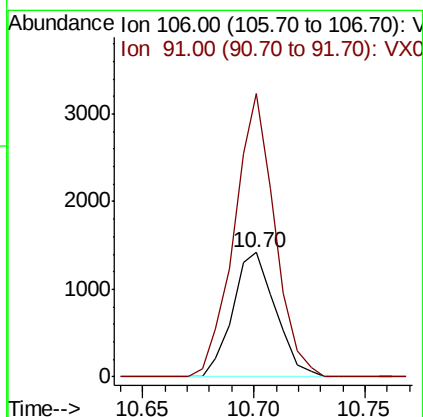
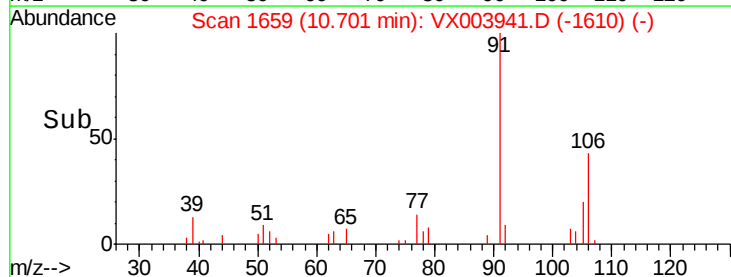
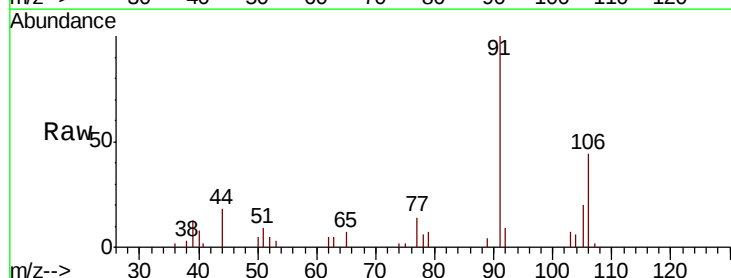
Instrument :
MSVOA_X
ClientSampleId :
VX0809WBL01

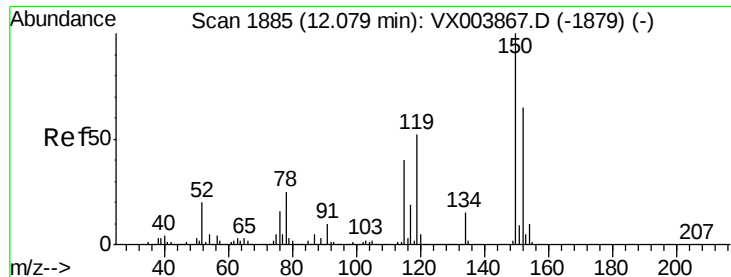
Tot Ion:106 Resp: 5822
Ion Ratio Lower Upper
106 100
91 190.4 162.3 243.5



#69
o-Xylene
Concen: 0.25 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003941.D
Acq: 09 Aug 2018 10:56

Tgt Ion:106 Resp: 1897
Ion Ratio Lower Upper
106 100
91 214.9 101.9 305.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003941.D

Acq: 09 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBL01

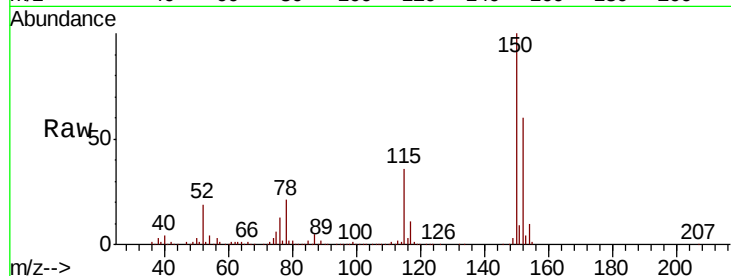
Tot Ion:152 Resp: 253265

Ion Ratio Lower Upper

152 100

115 56.4 39.1 117.3

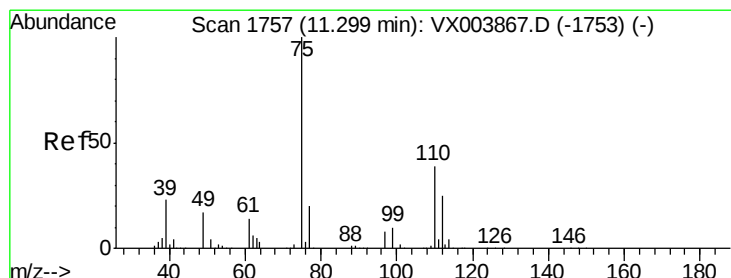
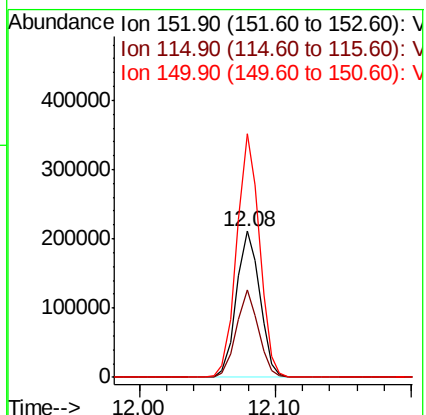
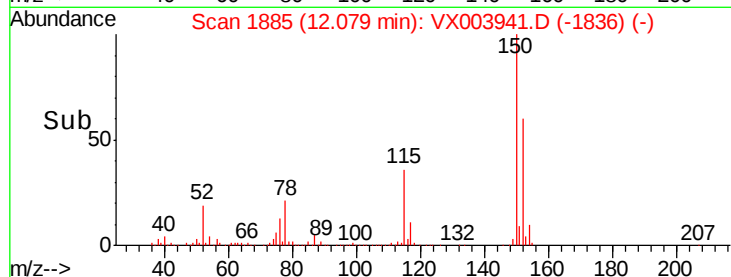
150 161.6 0.0 349.2



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: 21.73 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003941.D

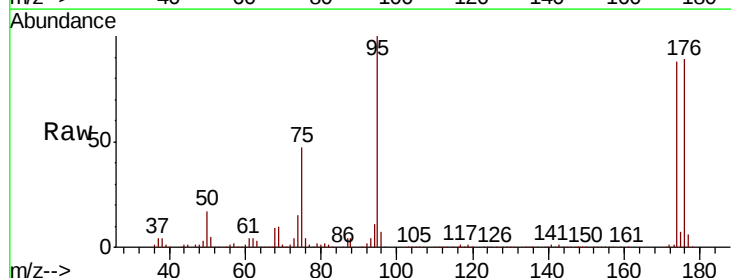
Acq: 09 Aug 2018 10:56

Tgt Ion: 75 Resp: 121578

Ion Ratio Lower Upper

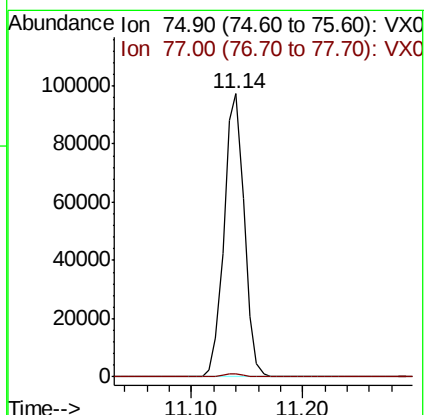
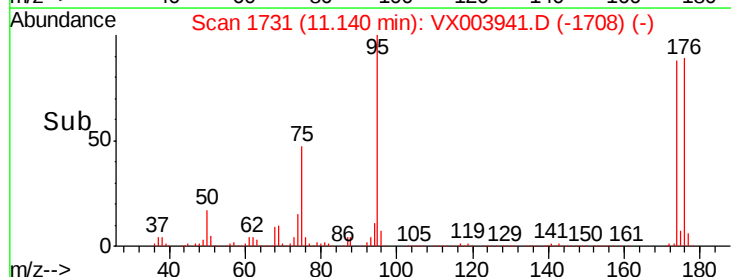
75 100

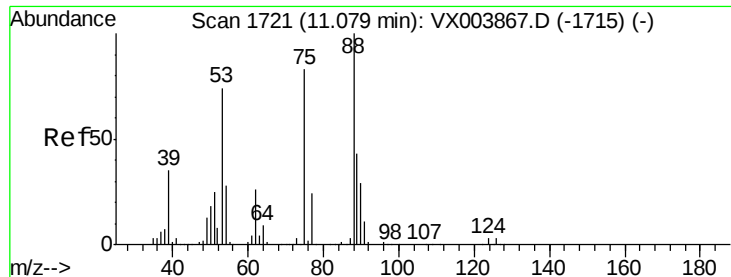
77 1.3 20.8 62.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

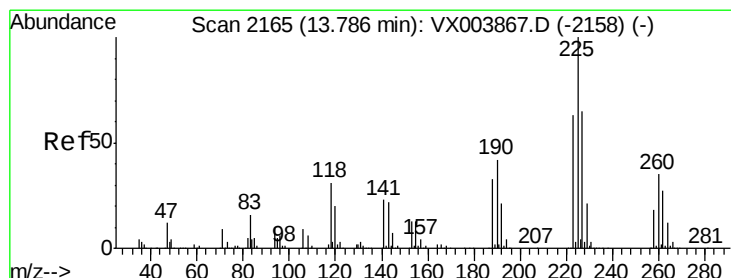
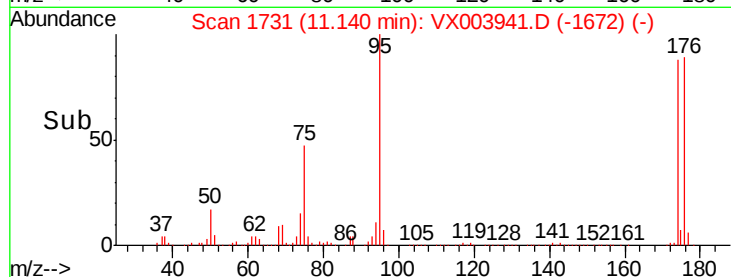
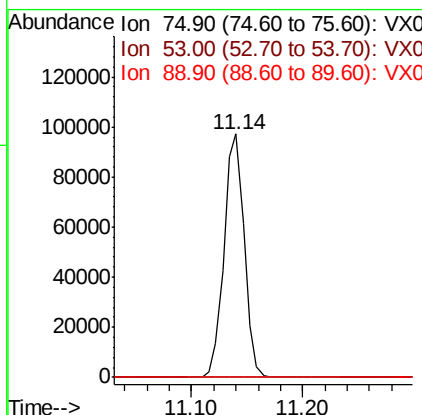
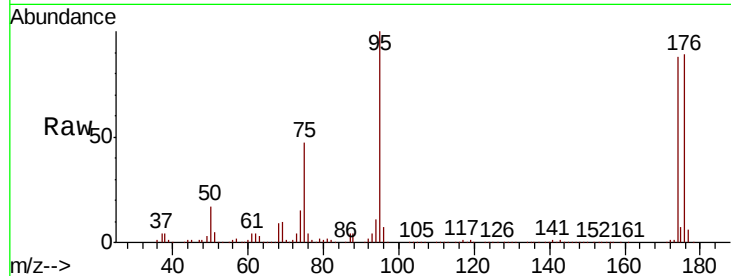




#81
trans-1,4-Dichloro-2-butene
Concen: 58.72 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX003941.D
Acq: 09 Aug 2018 10:56

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBL01

Tot Ion: 75 Resp: 121578
Ion Ratio Lower Upper
75 100
53 0.1 80.3 120.5#
89 0.0 37.8 56.8#



#94
Hexachlorobutadiene
Concen: 0.67 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VX003941.D
Acq: 09 Aug 2018 10:56

Tgt Ion: 225 Resp: 687
Ion Ratio Lower Upper
225 100
223 61.0 31.4 94.0
227 71.3 32.1 96.5

