

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062918\
 Data File : VX003059.D
 Acq On : 30 Jun 2018 05:09
 Operator : JC/MD
 Sample : J3675-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 30 05:46:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	310654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	420864	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	395036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	235236	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	193594	45.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.18%	
35) Dibromofluoromethane	5.51	113	157594	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
50) Toluene-d8	8.72	98	590967	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
62) 4-Bromofluorobenzene	11.14	95	217370	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	231	Below Cal	#	43
3) Chloromethane	1.30	50	37219	12.02	ug/l #	44
4) Vinyl Chloride	1.40	62	5930	1.69	ug/l #	1
5) Bromomethane	1.66	94	1351	Below Cal	#	77
6) Chloroethane	1.96	64	1198	Below Cal	#	74
10) Methyl Iodide	2.51	142	949	6.46	ug/l #	92
11) Tert butyl alcohol	3.07	59	593	0.69	ug/l #	73
13) Acrolein	2.20	56	215	4.67	ug/l #	1
14) Allyl chloride	2.62	41	2012	0.33	ug/l #	52
15) Acrylonitrile	3.17	53	4190	2.29	ug/l #	48
16) Acetone	2.45	43	30213	16.99	ug/l	97
17) Carbon Disulfide	2.59	76	11279	1.38	ug/l	97
18) Methyl Acetate	2.84	43	37376	7.52	ug/l #	55
20) Methylene Chloride	2.86	84	698	0.20	ug/l #	28
25) 2-Butanone	4.71	43	5110	1.94	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	8858	2.37	ug/l	81
29) Tetrahydrofuran	5.18	42	402	0.24	ug/l #	36
31) Cyclohexane	5.58	56	120750	22.42	ug/l	96
36) 1,1-Dichloropropene	5.66	75	19772	4.28	ug/l #	51
38) Carbon Tetrachloride	5.67	117	27613	5.45	ug/l #	17
39) Methylcyclohexane	7.46	83	200556	37.31	ug/l	99
40) Benzene	6.15	78	31037	2.31	ug/l	98
43) Isopropyl Acetate	6.46	43	3681	0.44	ug/l #	67
45) 1,2-Dichloropropane	7.46	63	2448	0.69	ug/l #	1
48) Methyl methacrylate	7.74	41	11236	2.62	ug/l #	52
51) 4-Methyl-2-Pentanone	8.67	43	4487	0.86	ug/l #	39
52) Toluene	8.79	92	43044	5.01	ug/l	98
55) 1,1,2-Trichloroethane	9.16	97	19719	5.59	ug/l #	19
56) Ethyl methacrylate	9.16	69	4384	0.85	ug/l #	4
60) Dibromochloromethane	9.34	129	945	0.25	ug/l #	11
64) Tetrachloroethene	9.34	164	933	0.21	ug/l #	76
67) Ethyl Benzene	10.26	91	526629	31.77	ug/l	100
68) m/p-Xylenes	10.36	106	397412	62.21	ug/l	100
69) o-Xylene	10.70	106	461693	74.23	ug/l	99

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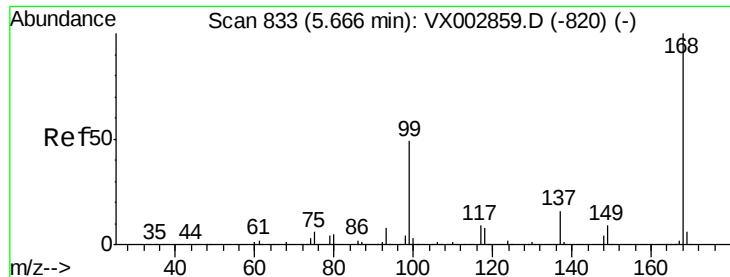
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 30 05:46:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

70) Styrene	10.70	104	23748	2.35	ug/l #	1
73) Isopropylbenzene	11.02	105	56891	3.60	ug/l	97
74) N-amyl acetate	6.46	43	3681	0.48	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	11.28	83	1984	0.41	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	111932	26.27	ug/l #	32
78) n-propylbenzene	11.37	91	77831	4.32	ug/l	99
79) 2-Chlorotoluene	11.44	91	39829	3.65	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	123261	9.25	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.14	75	111932	74.45	ug/l #	7
82) 4-Chlorotoluene	11.51	91	13701	1.06	ug/l #	44
83) tert-Butylbenzene	11.77	119	4512	0.34	ug/l #	40
84) 1,2,4-Trimethylbenzene	11.81	105	534440	38.70	ug/l	98
85) sec-Butylbenzene	11.95	105	23192	1.46	ug/l	79
86) p-Isopropyltoluene	12.07	119	29150	2.03	ug/l	97
89) n-Butylbenzene	12.38	91	23684	1.90	ug/l #	14
90) Hexachloroethane	12.59	117	8271	3.88	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.02	75	986	0.90	ug/l #	1
95) Naphthalene	13.84	128	125452	7.79	ug/l #	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

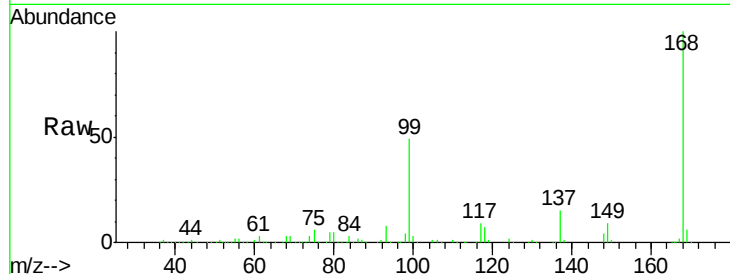
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 310654

Ion Ratio Lower Upper

168 100

99 49.3 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

120000

100000

80000

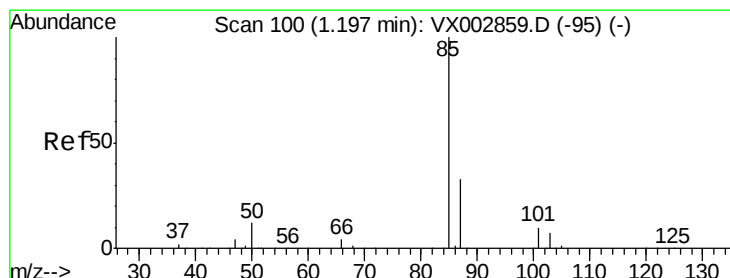
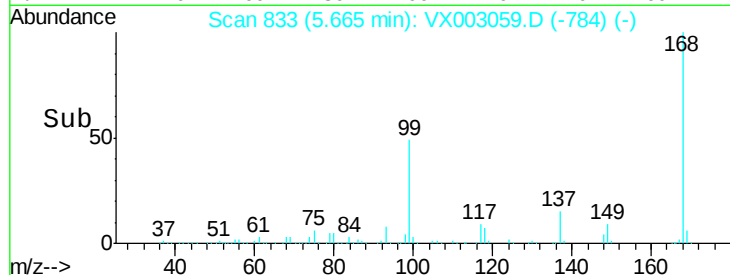
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003059.D

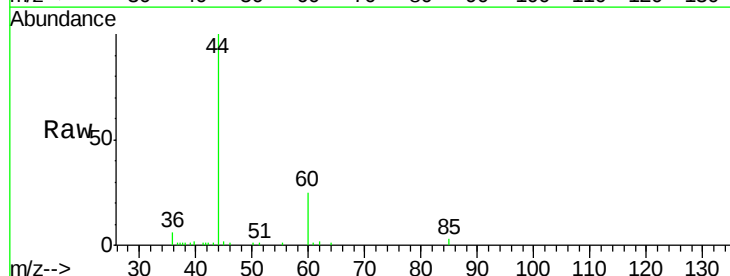
Acq: 30 Jun 2018 05:09

Tgt Ion: 85 Resp: 231

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

250

200

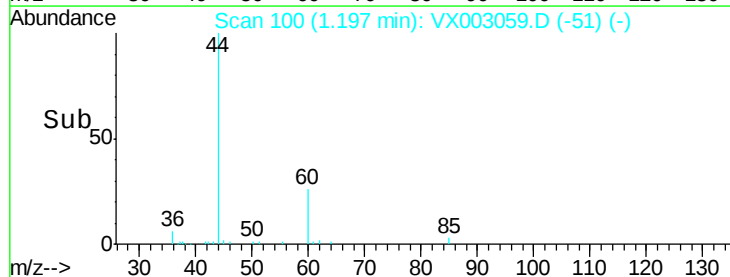
150

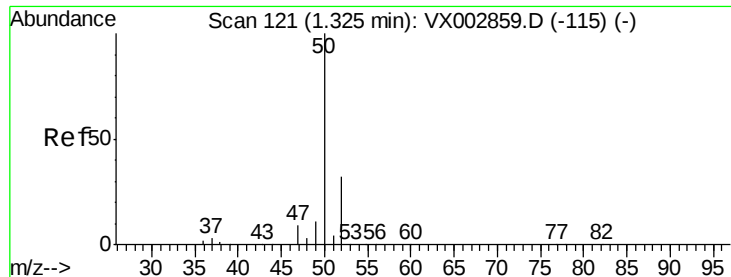
100

50

0

Time--> 1.15 1.20





#3

Chloromethane

Concen: 12.02 ug/l

RT: 1.30 min Scan# 117

Delta R.T. -0.02 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :

MSVOA_X

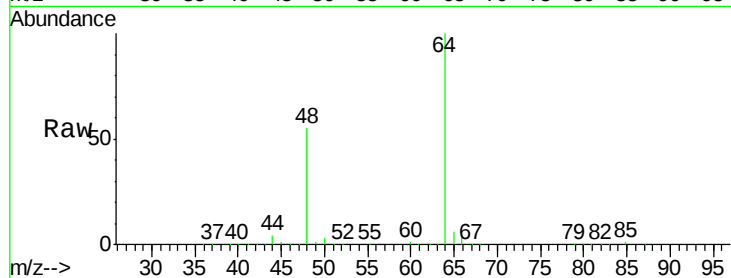
ClientSampleId :

Tot Ion: 50 Resp: 37219

Ion Ratio Lower Upper

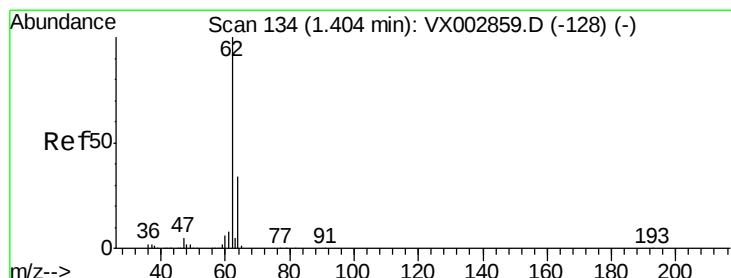
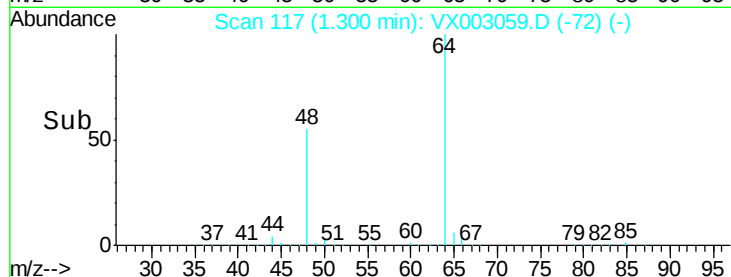
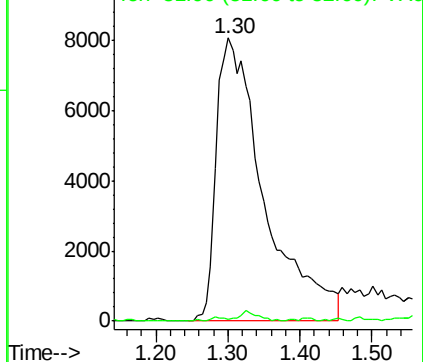
50 100

52 0.7 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 1.69 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003059.D

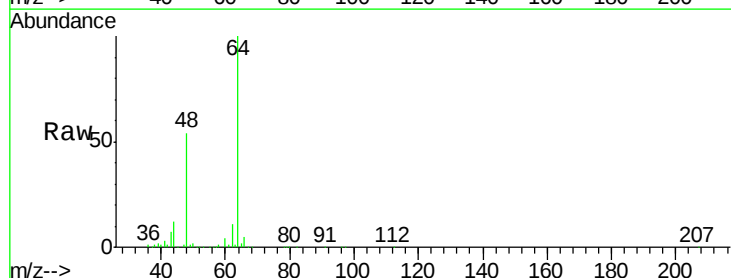
Acq: 30 Jun 2018 05:09

Tgt Ion: 62 Resp: 5930

Ion Ratio Lower Upper

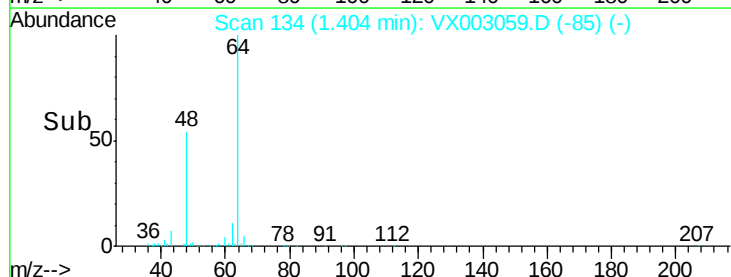
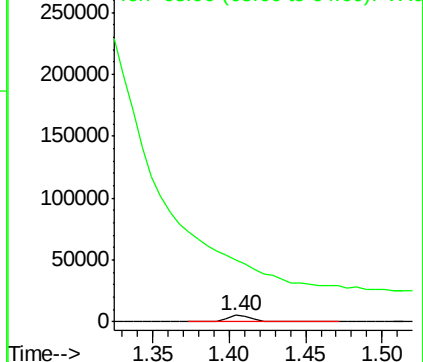
62 100

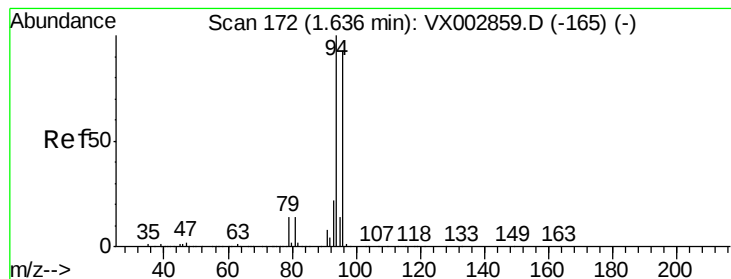
64 408.4 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :

MSVOA_X

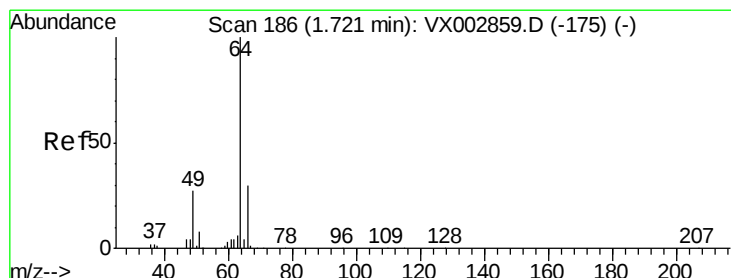
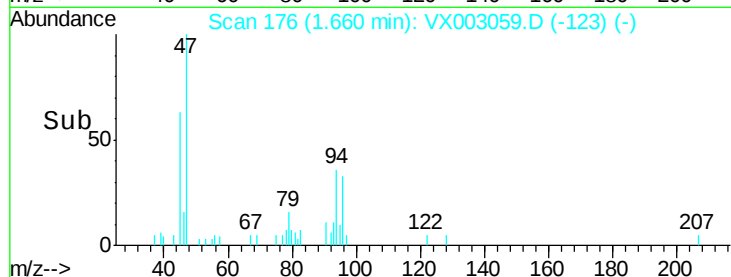
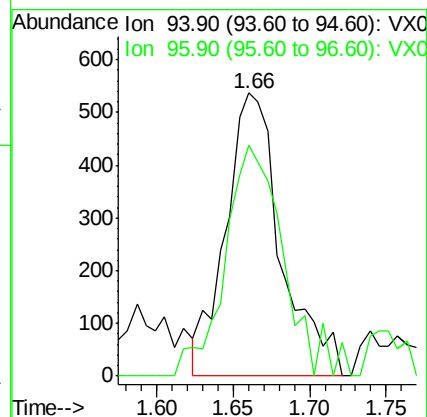
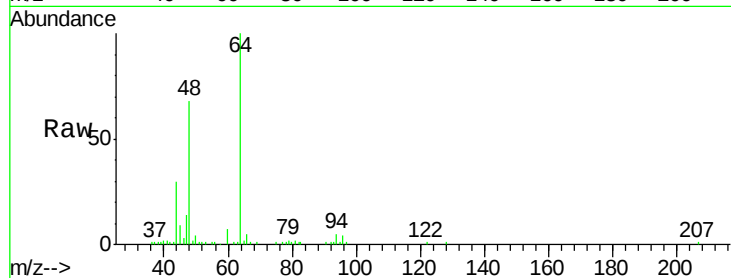
ClientSampleId :

Tot Ion: 94 Resp: 1351

Ion Ratio Lower Upper

94 100

96 71.3 74.9 112.3#



#6

Chloroethane

Concen: Below Cal

RT: 1.96 min Scan# 225

Delta R.T. 0.24 min

Lab File: VX003059.D

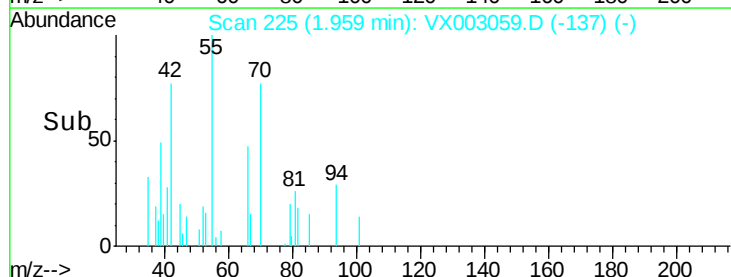
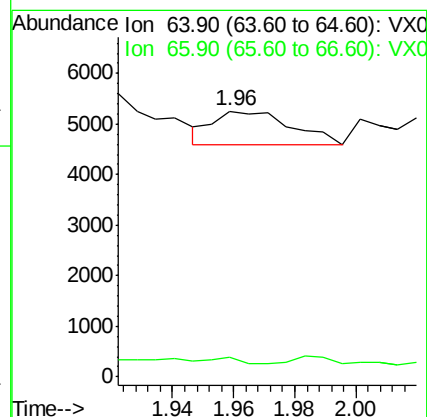
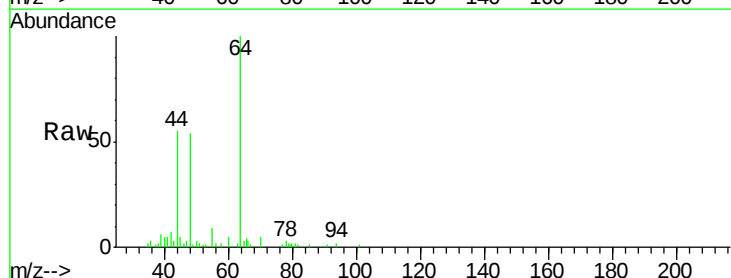
Acq: 30 Jun 2018 05:09

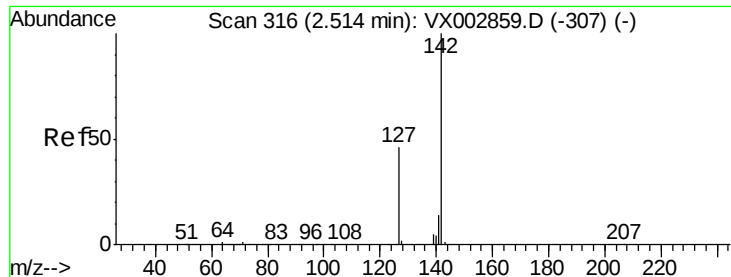
Tgt Ion: 64 Resp: 1198

Ion Ratio Lower Upper

64 100

66 17.6 25.5 38.3#

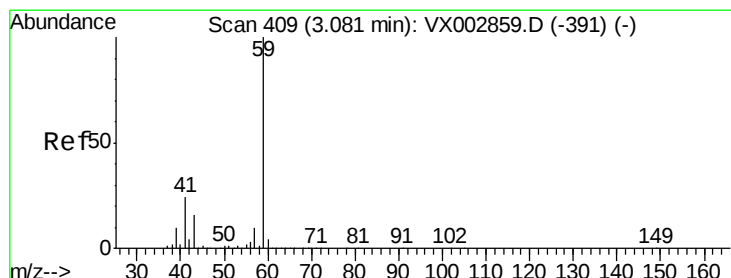
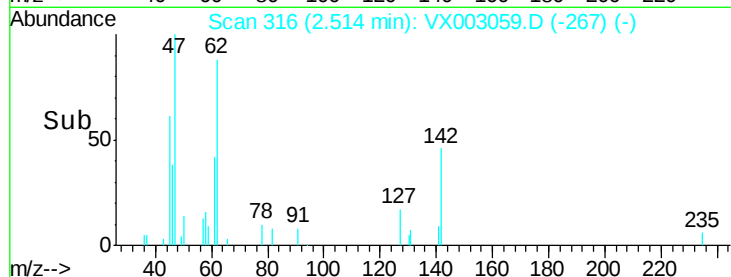
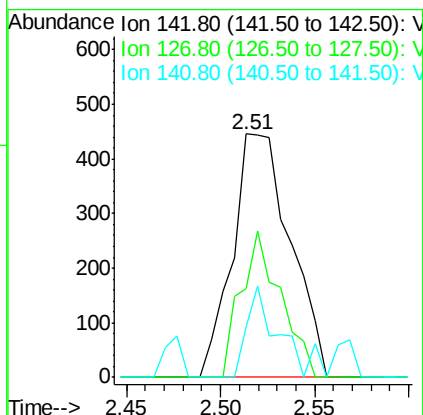
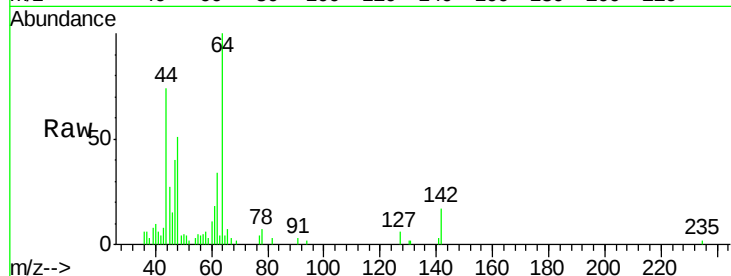




#10
Methyl Iodide
Concen: 6.46 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

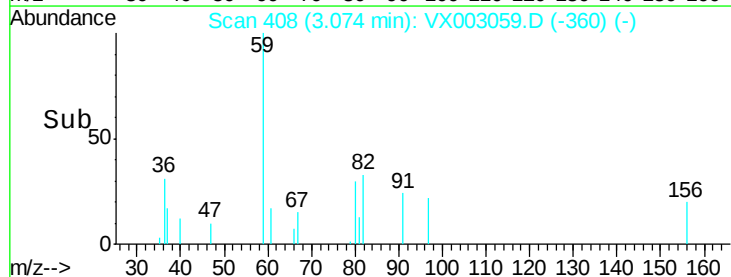
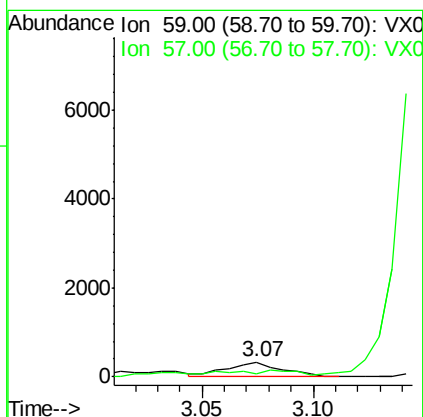
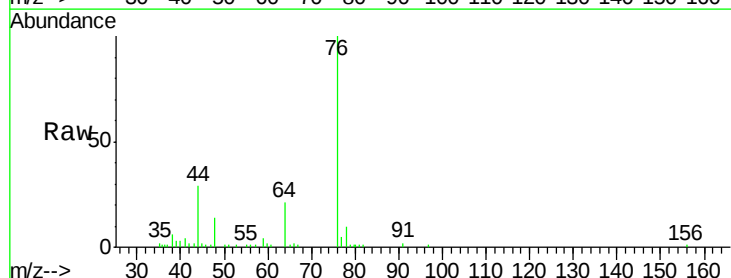
Instrument :
MSVOA_X
ClientSampleId :

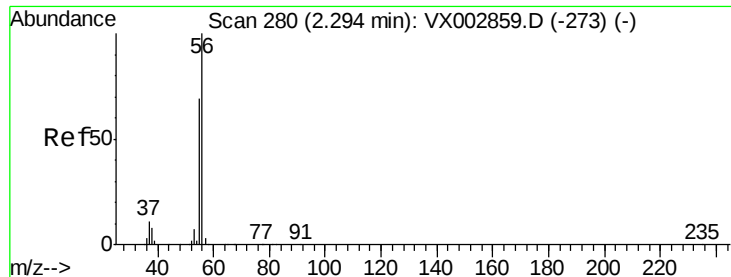
Tot Ion:142 Resp: 949
Ion Ratio Lower Upper
142 100
127 41.2 36.6 55.0
141 18.9 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.69 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

Tgt Ion: 59 Resp: 593
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 4.67 ug/l

RT: 2.20 min Scan# 264

Delta R.T. -0.10 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :

MSVOA_X

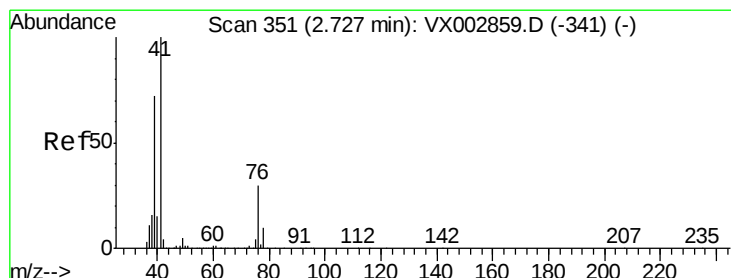
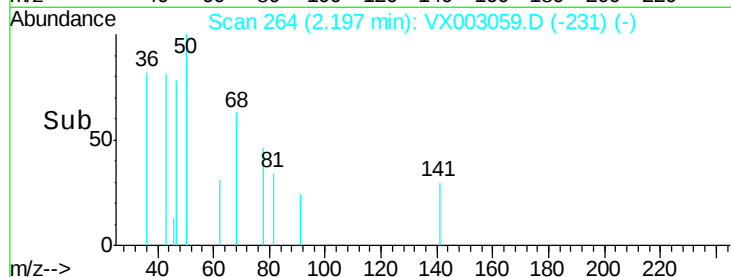
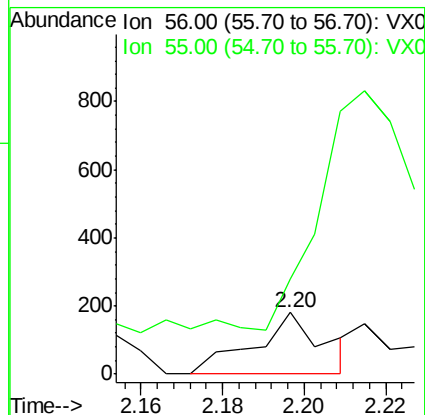
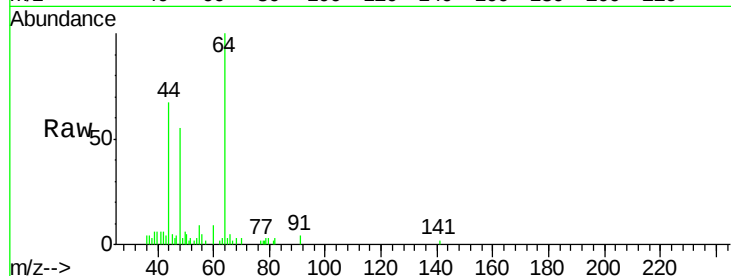
ClientSampleId :

Tot Ion: 56 Resp: 215

Ion Ratio Lower Upper

56 100

55 640.0 57.0 85.4#



#14

Allyl chloride

Concen: 0.33 ug/l

RT: 2.62 min Scan# 334

Delta R.T. -0.10 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

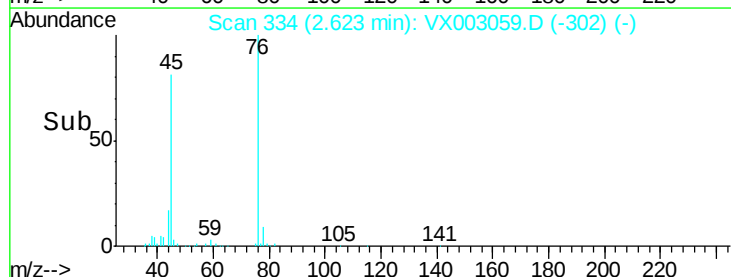
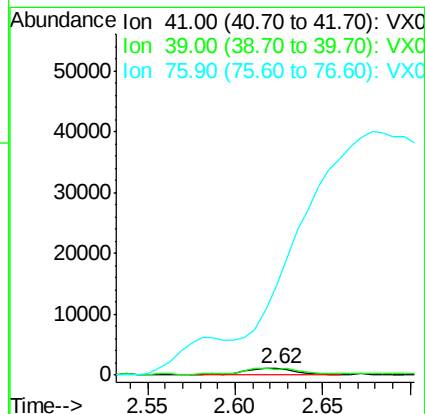
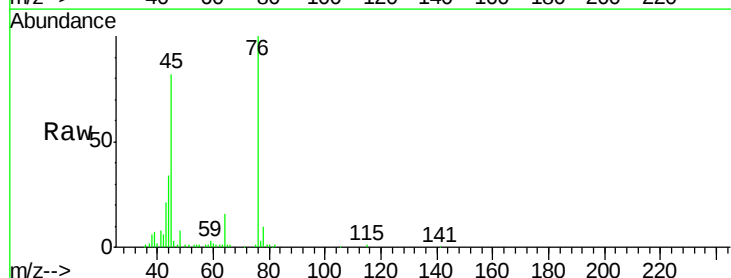
Tgt Ion: 41 Resp: 2012

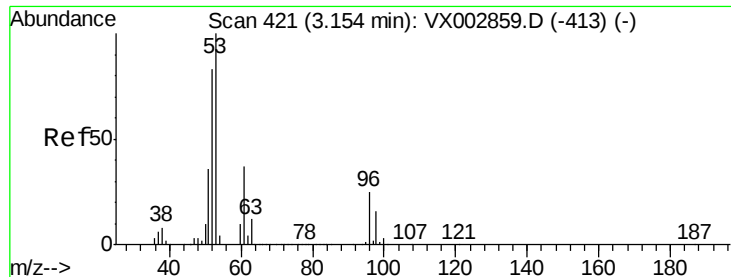
Ion Ratio Lower Upper

41 100

39 108.0 56.8 85.2#

76 0.0 23.8 35.8#





#15

Acrylonitrile

Concen: 2.29 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.02 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :
MSVOA_X
ClientSampled :

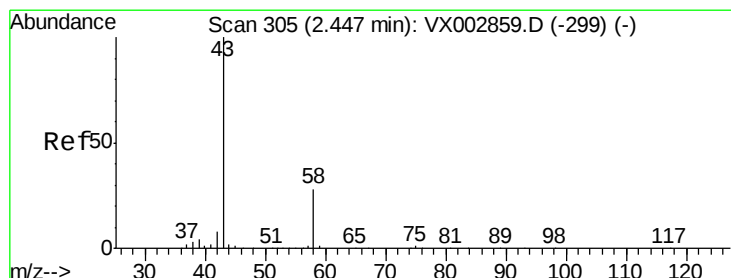
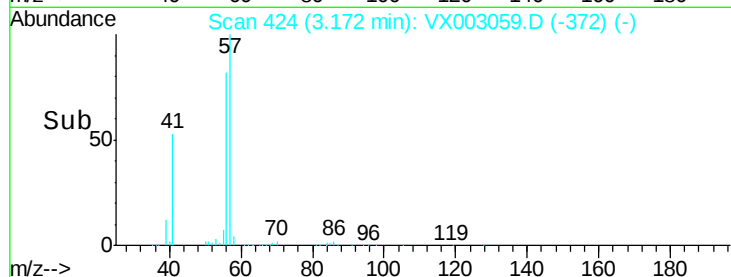
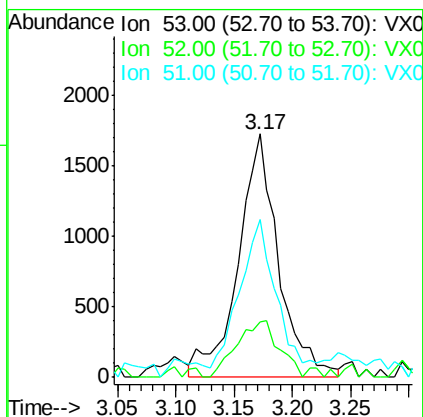
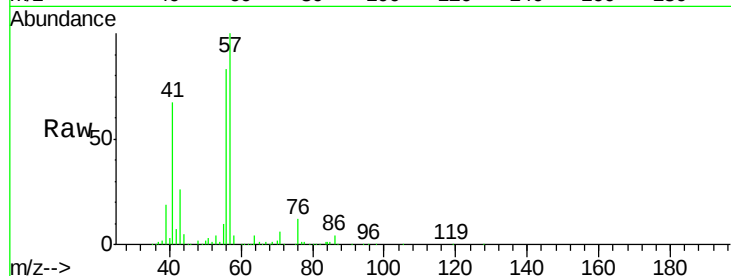
Tot Ion: 53 Resp: 4190

Ion Ratio Lower Upper

53 100

52 24.7 66.7 100.1#

51 52.1 29.9 44.9#



#16

Acetone

Concen: 16.99 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003059.D

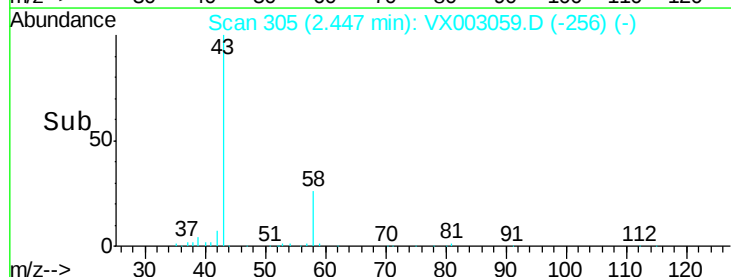
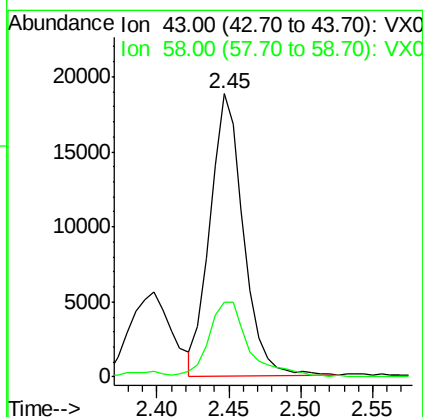
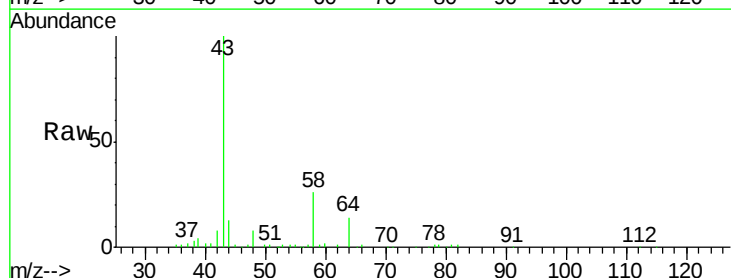
Acq: 30 Jun 2018 05:09

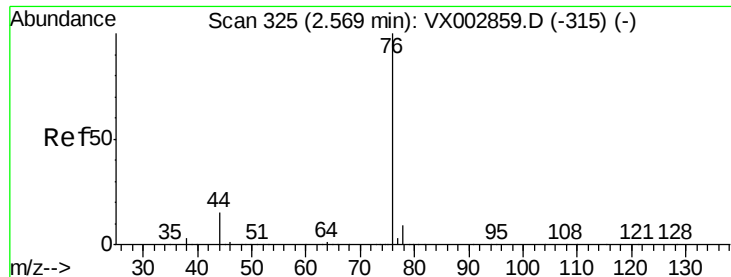
Tgt Ion: 43 Resp: 30213

Ion Ratio Lower Upper

43 100

58 25.8 22.1 33.1

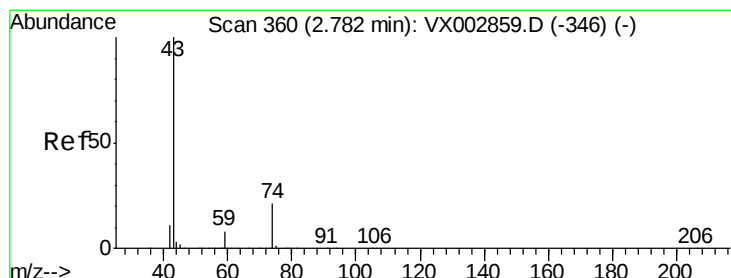
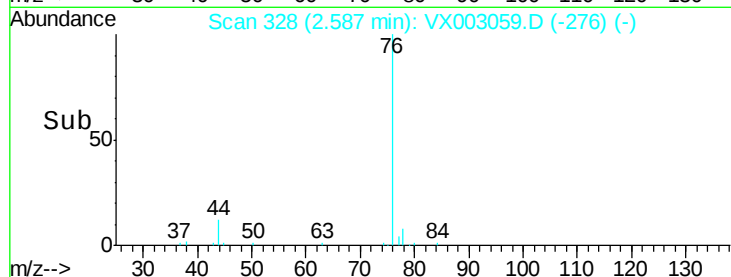
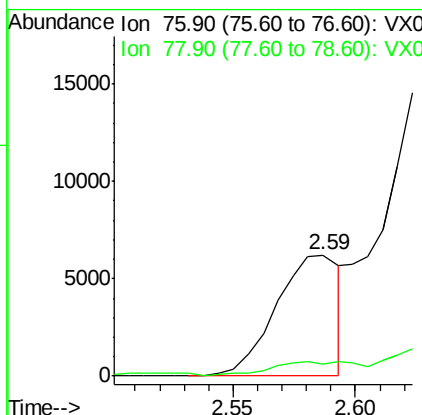
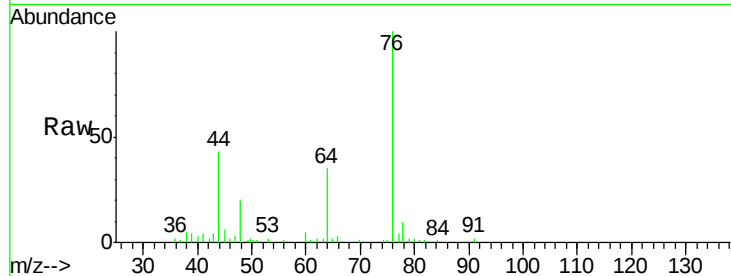




#17
Carbon Disulfide
Concen: 1.38 ug/l
RT: 2.59 min Scan# 328
Delta R.T. 0.02 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

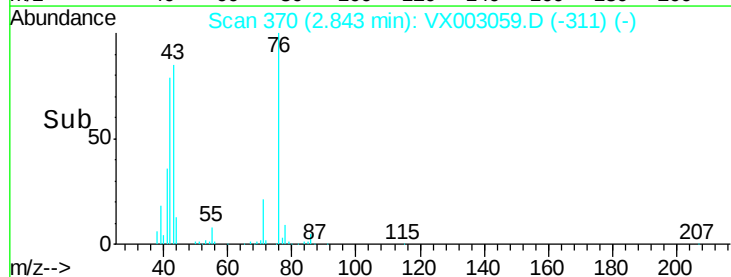
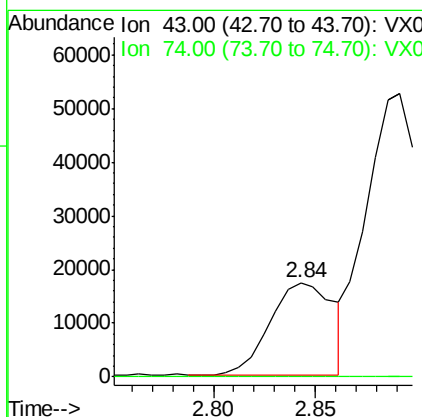
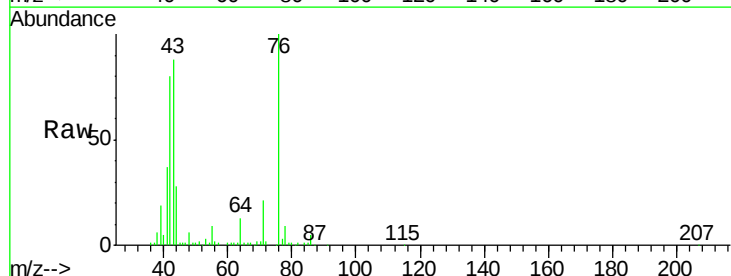
Instrument :
MSVOA_X
ClientSampleId :

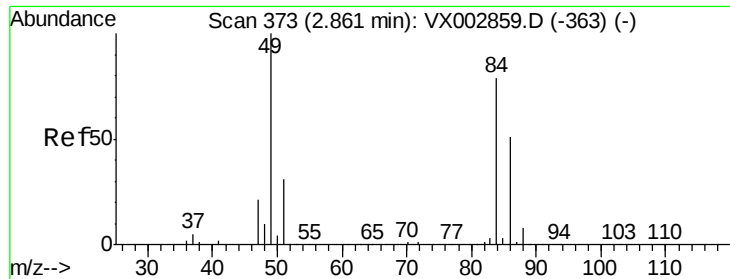
Tot Ion: 76 Resp: 11279
Ion Ratio Lower Upper
76 100
78 7.5 6.9 10.3



#18
Methyl Acetate
Concen: 7.52 ug/l
RT: 2.84 min Scan# 370
Delta R.T. 0.06 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

Tgt Ion: 43 Resp: 37376
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

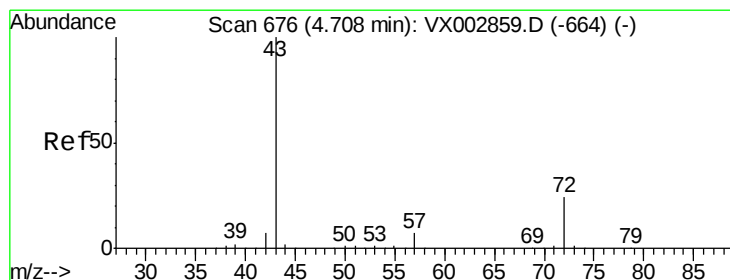
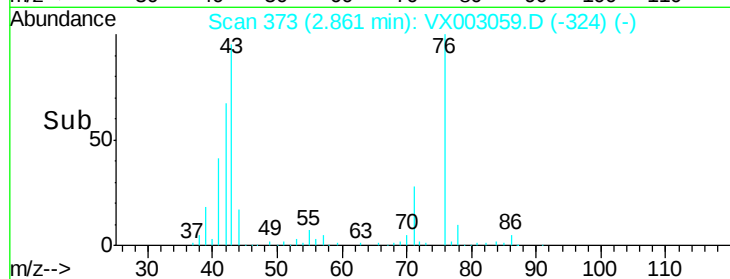
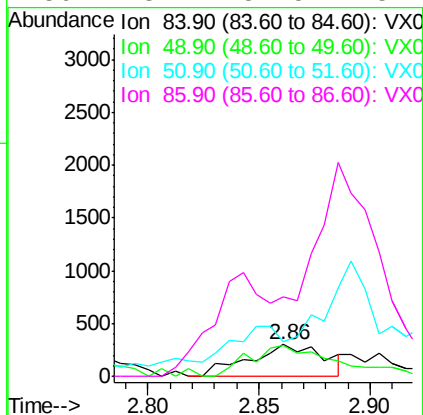
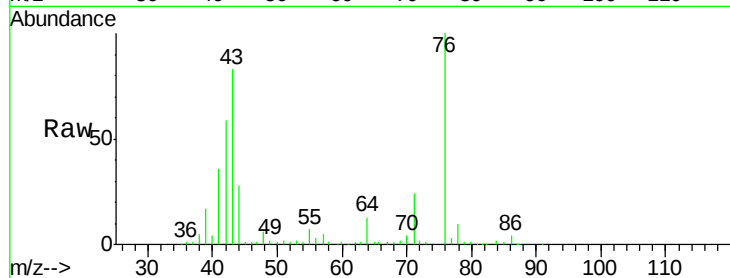




#20
Methvlene Chloride
Concen: 0.20 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

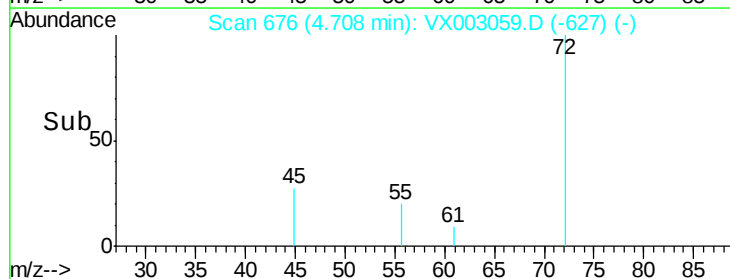
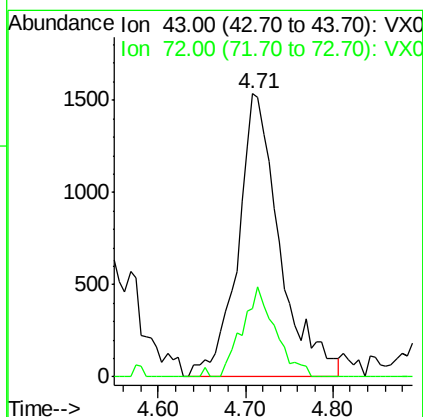
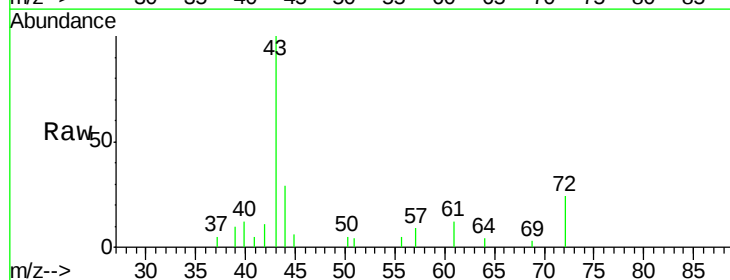
Instrument :
MSVOA_X
ClientSampleId :

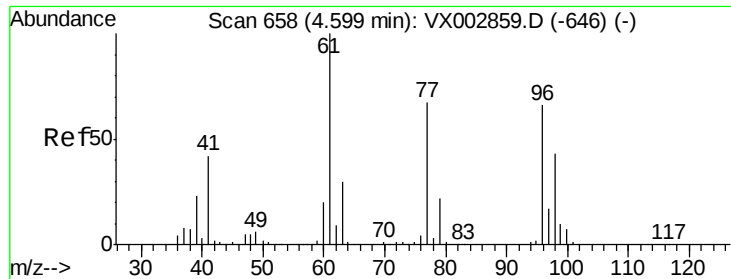
Tot Ion: 84 Resp: 698
Ion Ratio Lower Upper
84 100
49 75.8 107.8 161.6#
51 60.4 32.8 49.2#
86 178.2 52.5 78.7#



#25
2-Butanone
Concen: 1.94 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.00 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

Tgt Ion: 43 Resp: 5110
Ion Ratio Lower Upper
43 100
72 24.0 18.5 27.7





#27

cis-1,2-Dichloroethene

Concen: 2.37 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :
MSVOA_X
ClientSampled :

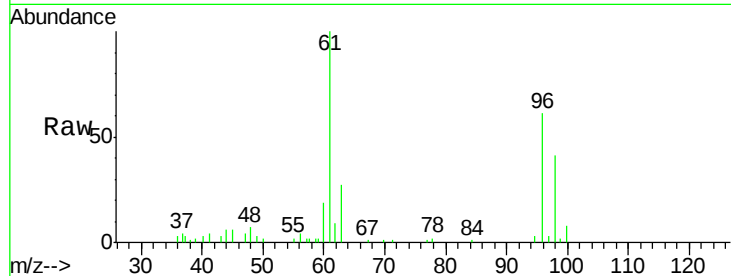
Tot Ion: 96 Resp: 8858

Ion Ratio Lower Upper

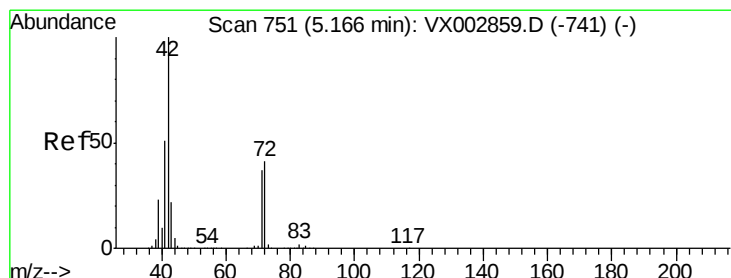
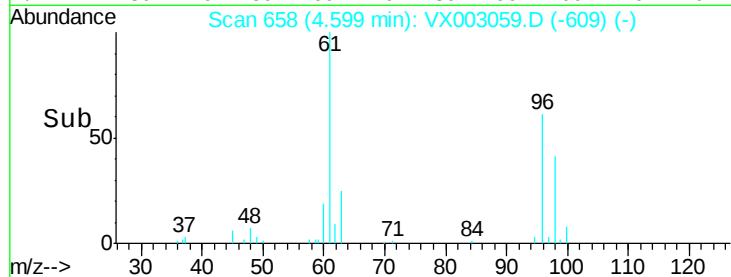
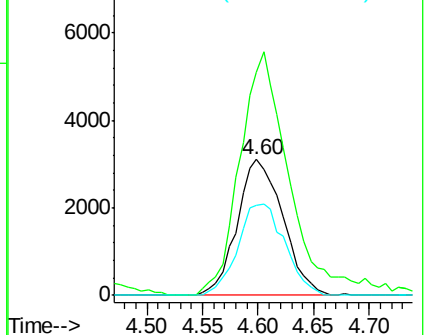
96 100

61 198.3 0.0 330.2

98 69.3 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#29

Tetrahydrofuran

Concen: 0.24 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

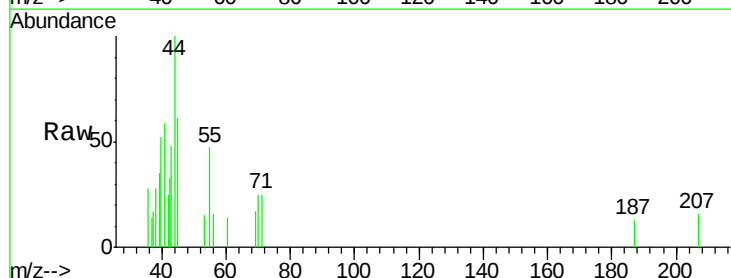
Tgt Ion: 42 Resp: 402

Ion Ratio Lower Upper

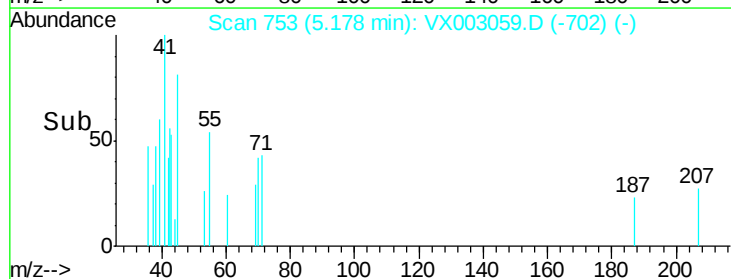
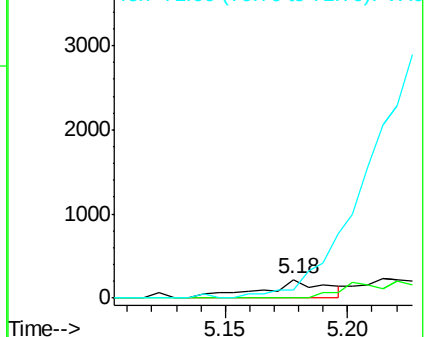
42 100

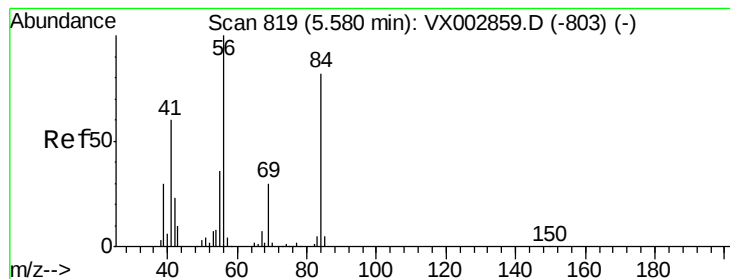
72 0.0 32.0 48.0#

71 0.0 30.1 45.1#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 22.42 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :

MSVOA_X

ClientSampleId :

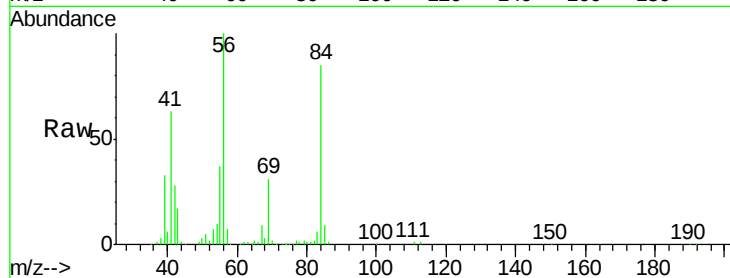
Tot Ion: 56 Resp: 120750

Ion Ratio Lower Upper

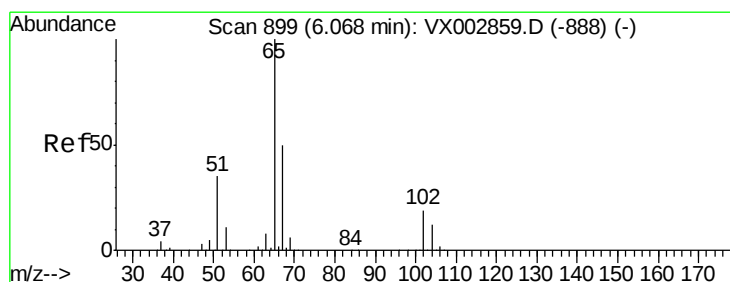
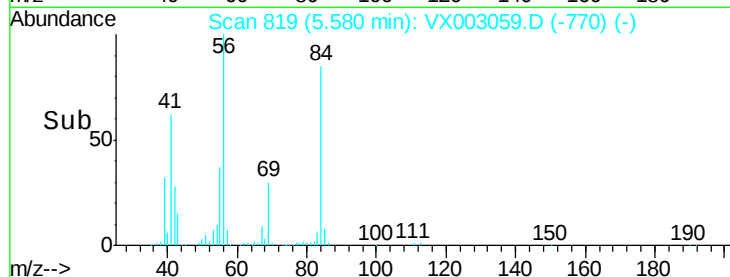
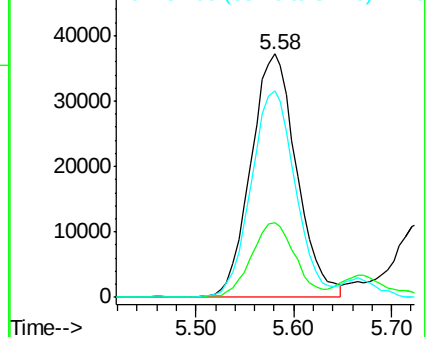
56 100

69 30.4 23.7 35.5

84 85.0 64.1 96.1



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 45.09 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003059.D

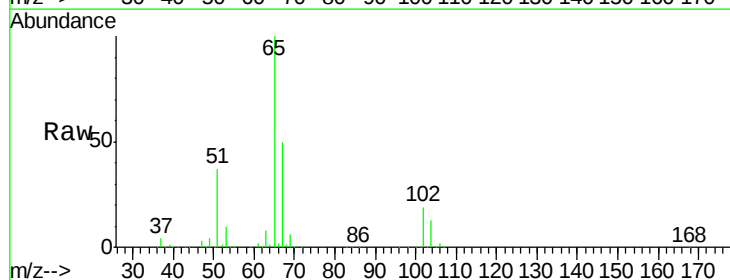
Acq: 30 Jun 2018 05:09

Tgt Ion: 65 Resp: 193594

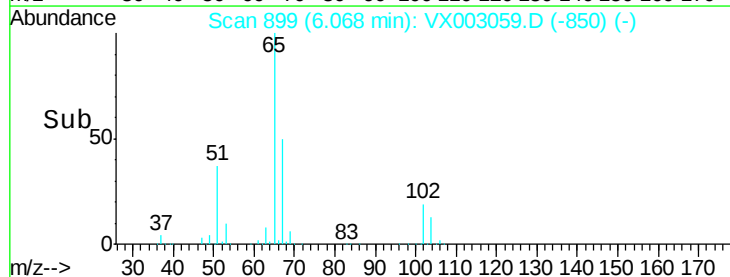
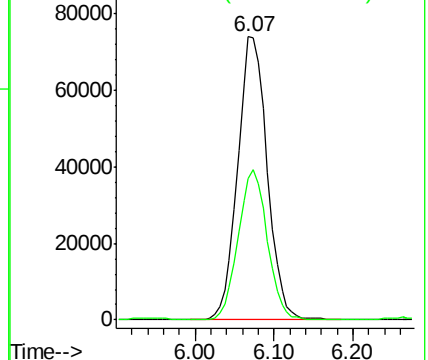
Ion Ratio Lower Upper

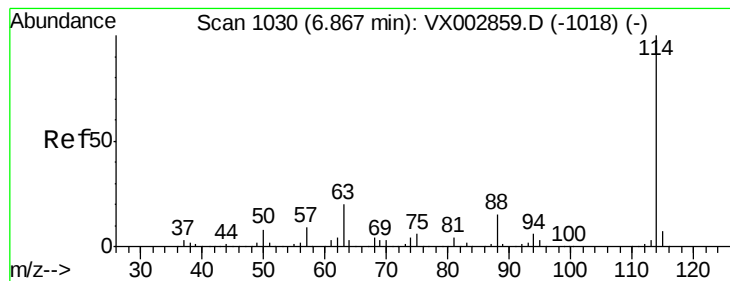
65 100

67 52.2 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :

MSVOA_X

ClientSampleId :

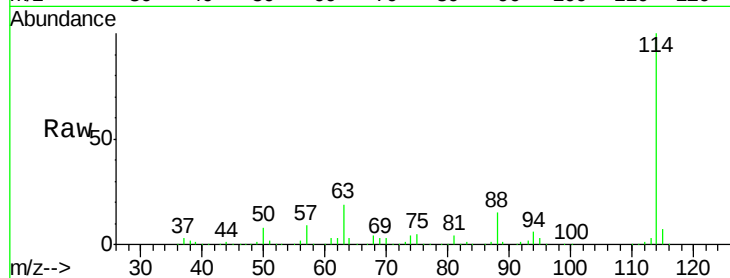
Tot Ion:114 Resp: 420864

Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.4

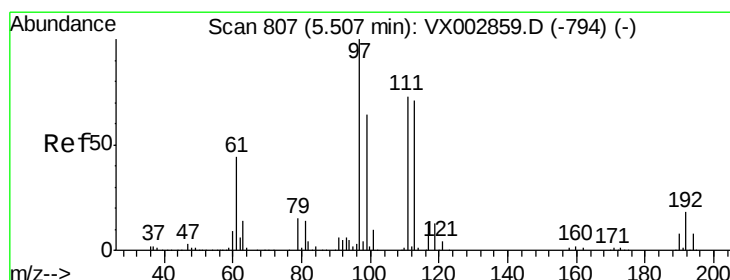
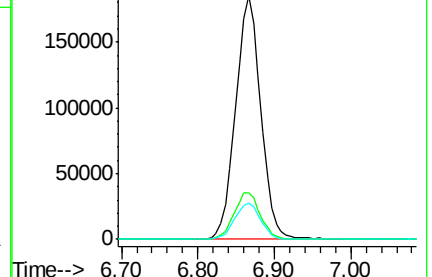
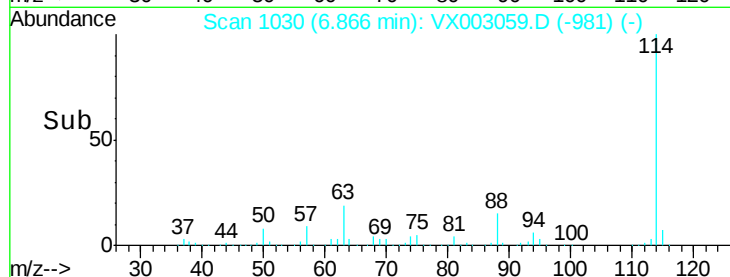
88 14.8 0.0 30.0



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: 47.28 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

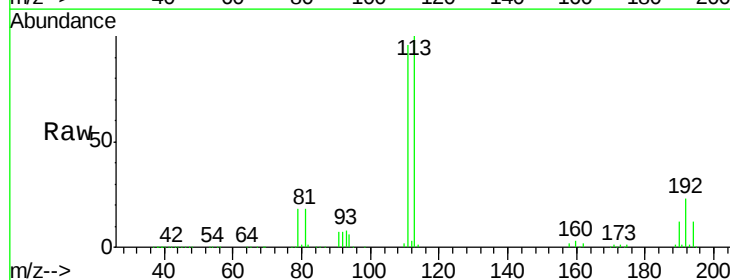
Tgt Ion:113 Resp: 157594

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

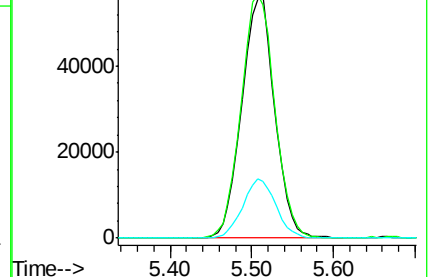
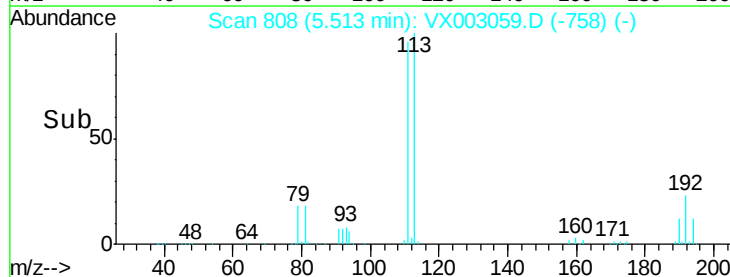
192 24.7 19.1 28.7

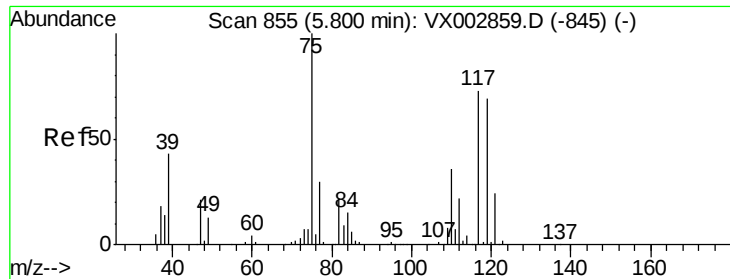


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

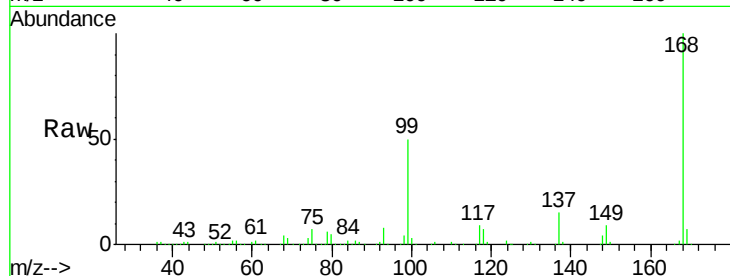




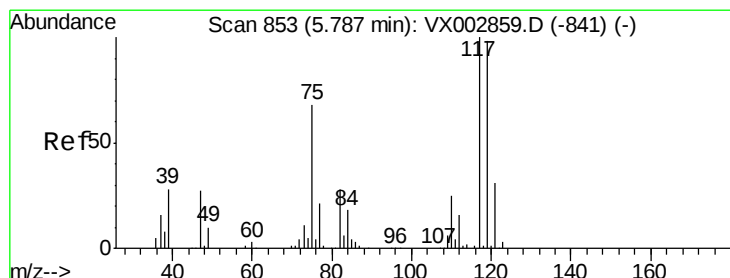
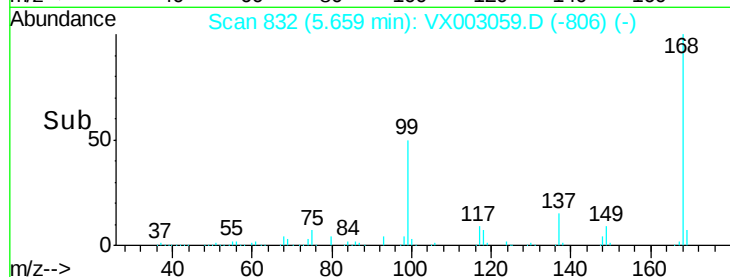
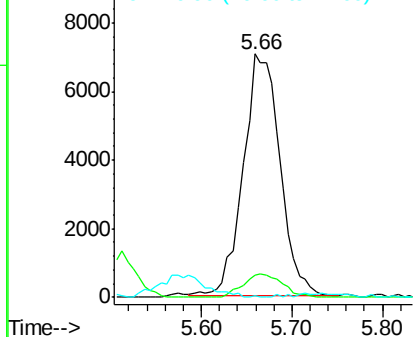
#36
 1,1-Dichloropropene
 Concen: 4.28 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX003059.D
 Acq: 30 Jun 2018 05:09

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 19772
 Ion Ratio Lower Upper
 75 100
 110 10.6 18.1 54.4#
 77 0.0 24.3 36.5#

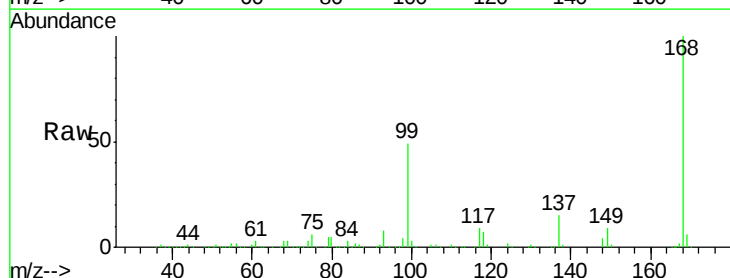


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

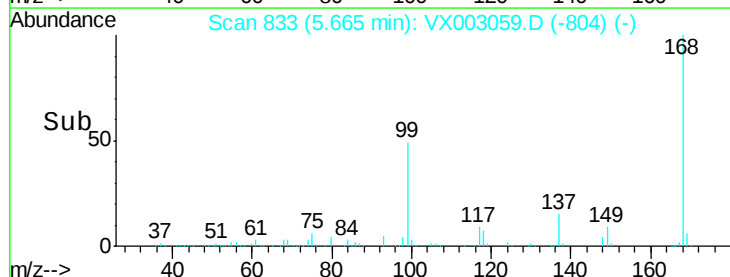
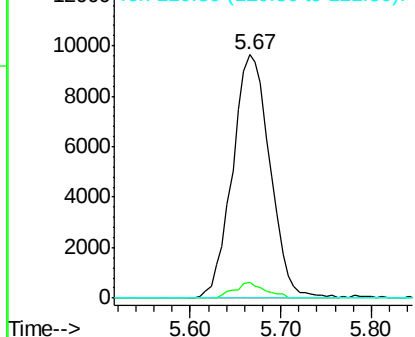


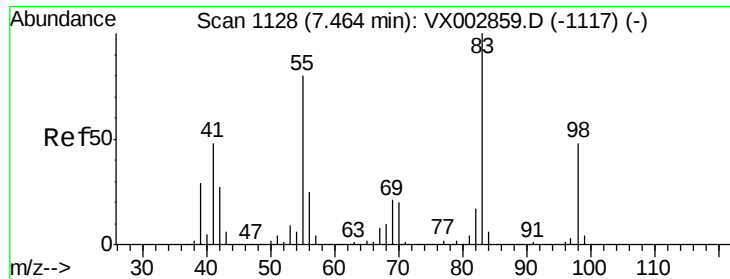
#38
 Carbon Tetrachloride
 Concen: 5.45 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003059.D
 Acq: 30 Jun 2018 05:09

Tgt Ion: 117 Resp: 27613
 Ion Ratio Lower Upper
 117 100
 119 6.5 77.4 116.0#
 121 0.0 24.4 36.6#



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

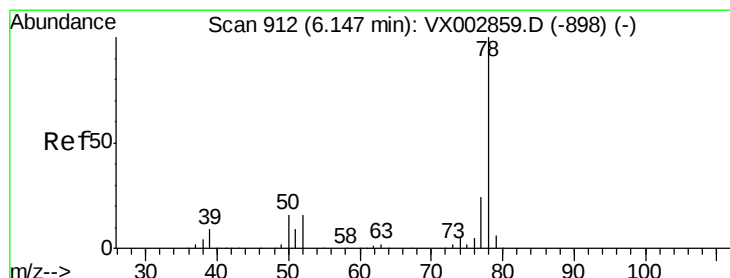
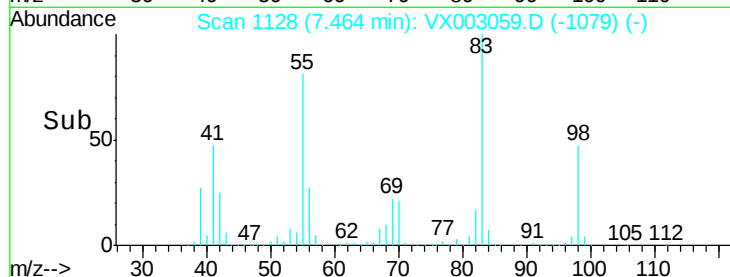
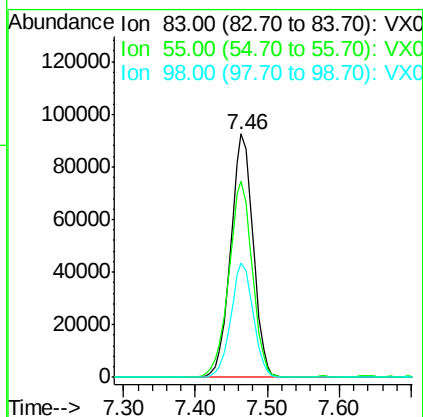
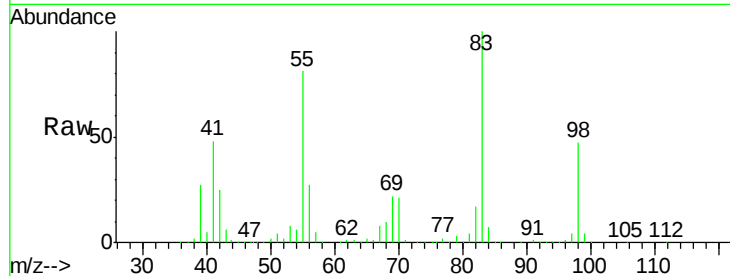




#39
Methvlcvclohexane
Concen: 37.31 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

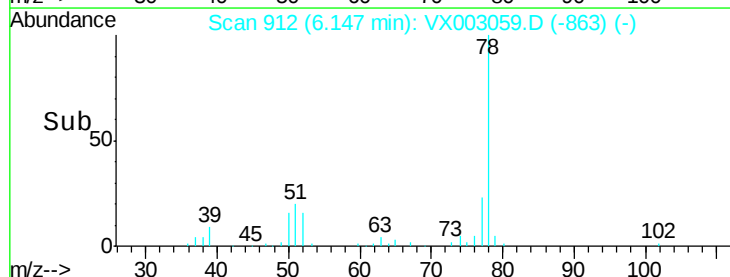
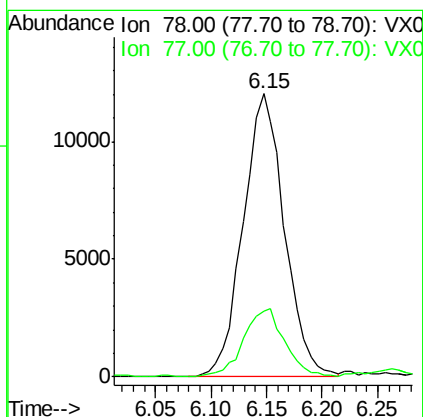
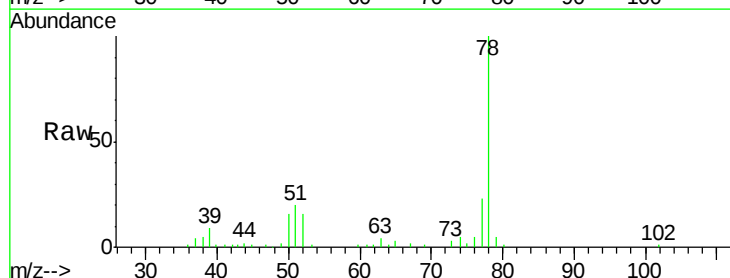
Instrument :
MSVOA_X
ClientSampled :

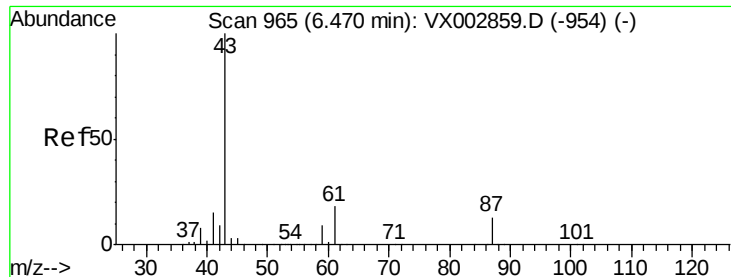
Tot Ion: 83 Resp: 200556
Ion Ratio Lower Upper
83 100
55 80.5 65.4 98.0
98 47.2 37.4 56.0



#40
Benzene
Concen: 2.31 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

Tgt Ion: 78 Resp: 31037
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7





#43

Isopropyl Acetate

Concen: 0.44 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :

MSVOA_X

ClientSampled :

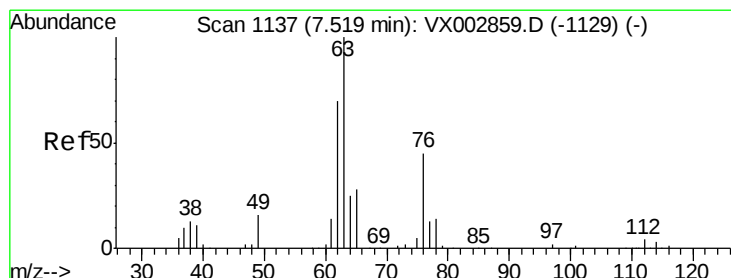
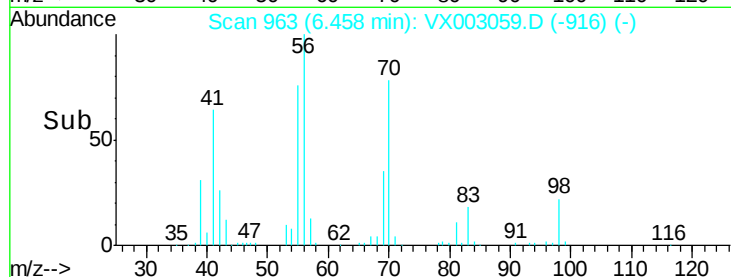
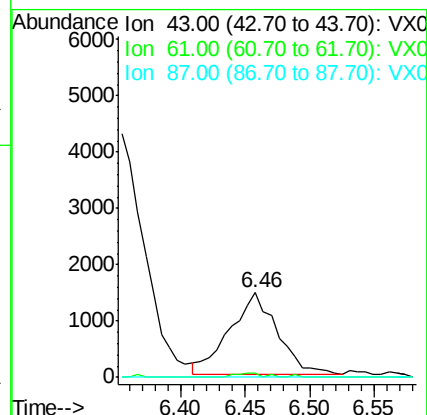
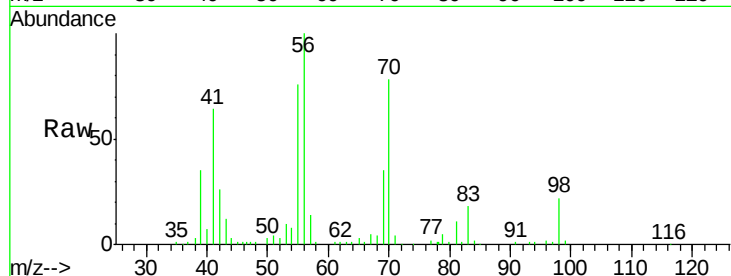
Tot Ion: 43 Resp: 3681

Ion Ratio Lower Upper

43 100

61 2.9 14.4 21.6#

87 0.0 9.5 14.3#



#45

1,2-Dichloropropane

Concen: 0.69 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.05 min

Lab File: VX003059.D

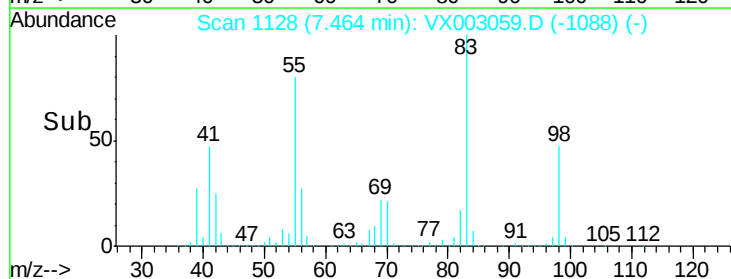
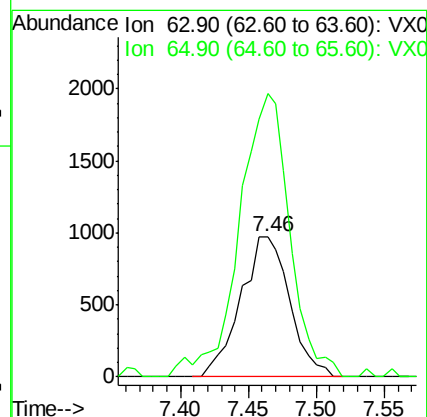
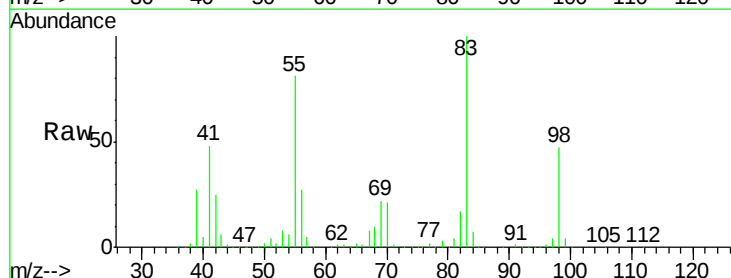
Acq: 30 Jun 2018 05:09

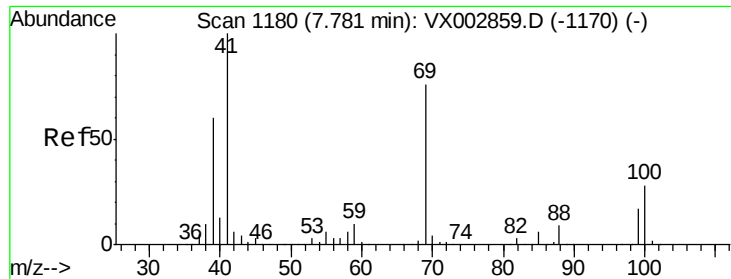
Tgt Ion: 63 Resp: 2448

Ion Ratio Lower Upper

63 100

65 201.4 24.7 37.1#





#48

Methvl methacrylate

Concen: 2.62 ug/l

RT: 7.74 min Scan# 1173

Delta R.T. -0.04 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :
MSVOA_X
ClientSampled :

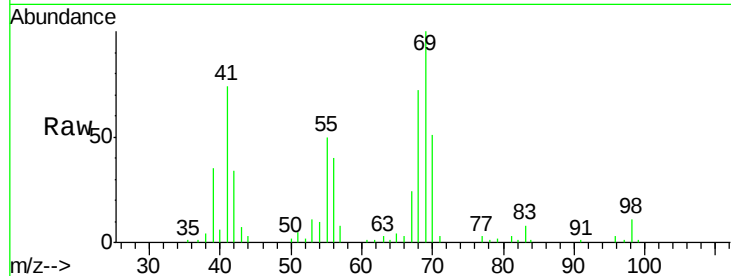
Tot Ion: 41 Resp: 11236

Ion Ratio Lower Upper

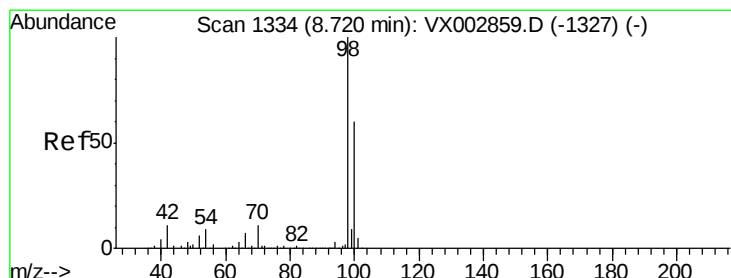
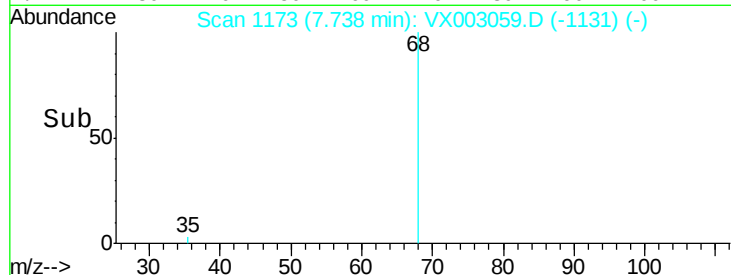
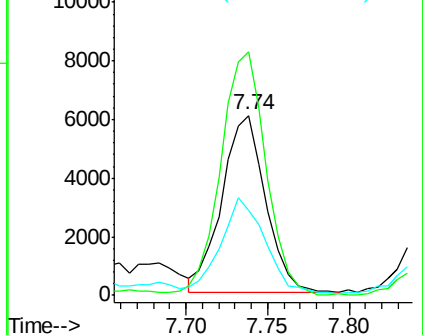
41 100

69 143.2 59.1 88.7#

39 55.5 48.9 73.3



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: 48.56 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003059.D

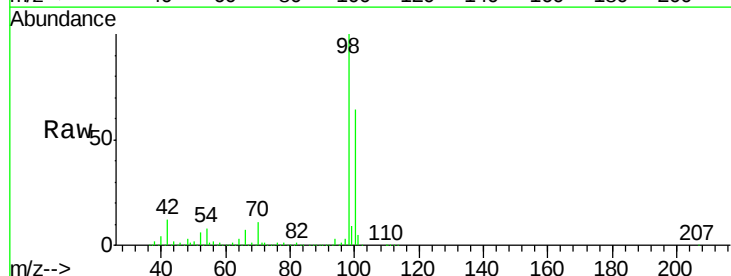
Acq: 30 Jun 2018 05:09

Tgt Ion: 98 Resp: 590967

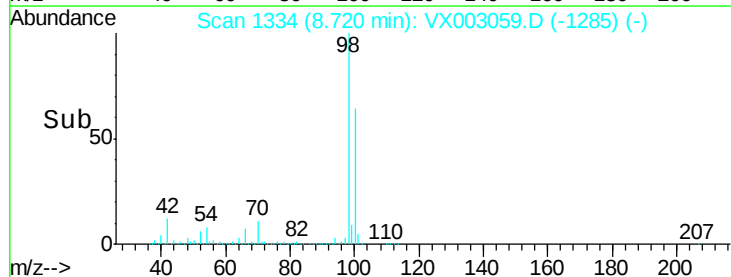
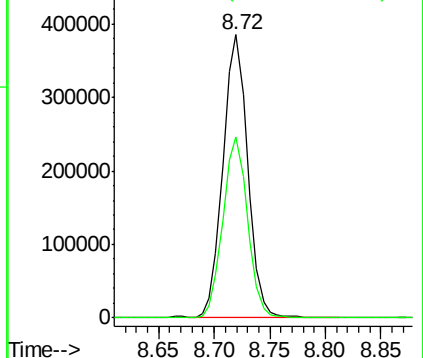
Ion Ratio Lower Upper

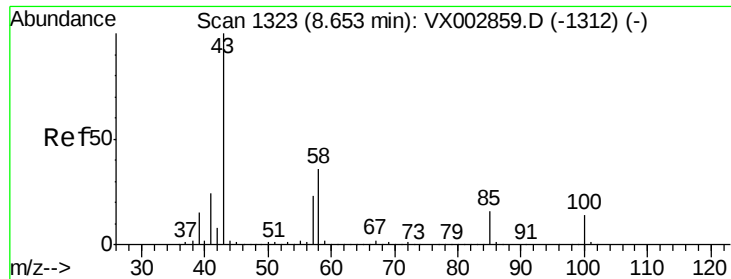
98 100

100 64.4 50.9 76.3



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





#51

4-Methyl-2-Pentanone

Concen: 0.86 ug/l

RT: 8.67 min Scan# 1326

Delta R.T. 0.02 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :

MSVOA_X

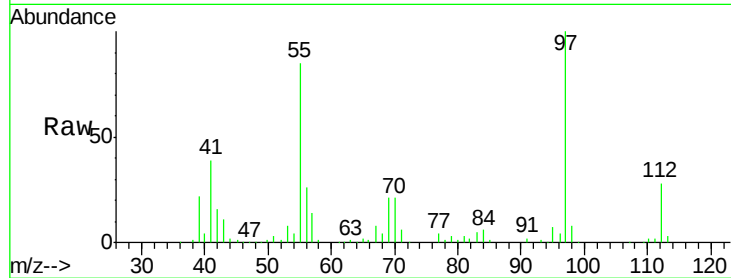
ClientSampleId :

Tot Ion: 43 Resp: 4487

Ion Ratio Lower Upper

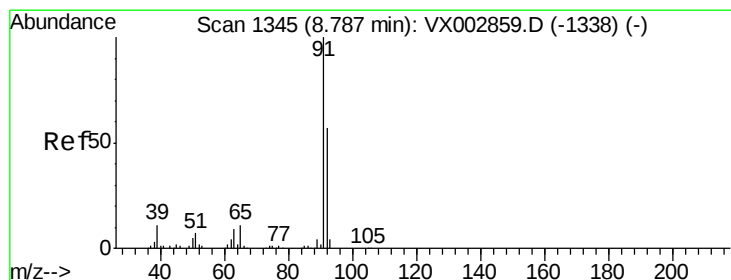
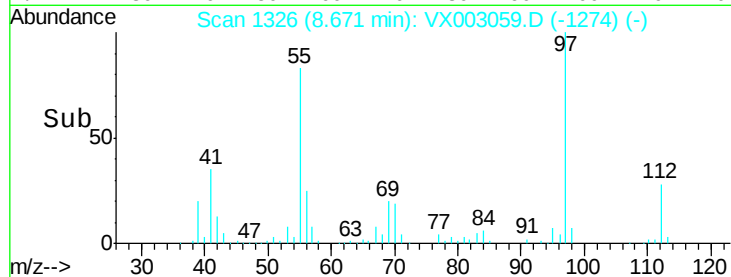
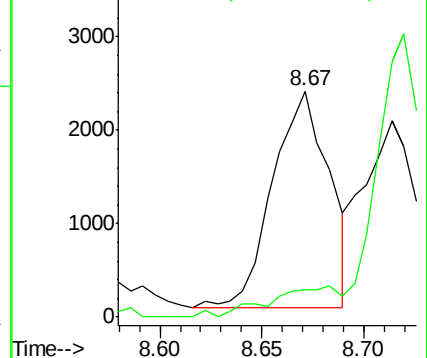
43 100

58 0.0 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 5.01 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003059.D

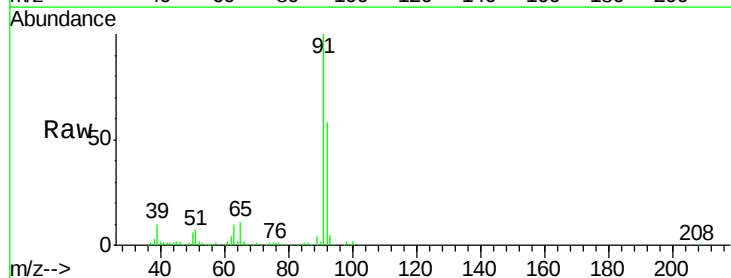
Acq: 30 Jun 2018 05:09

Tgt Ion: 92 Resp: 43044

Ion Ratio Lower Upper

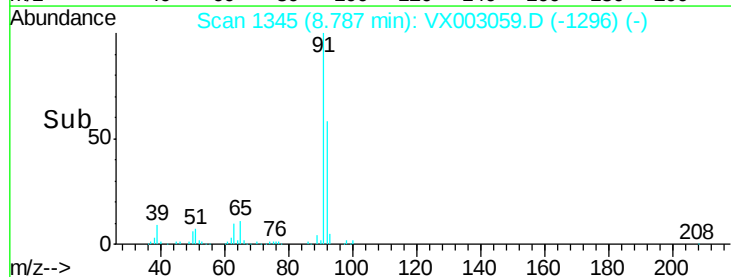
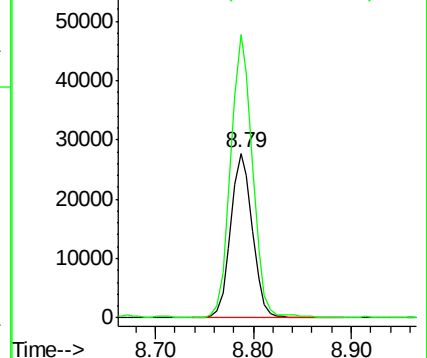
92 100

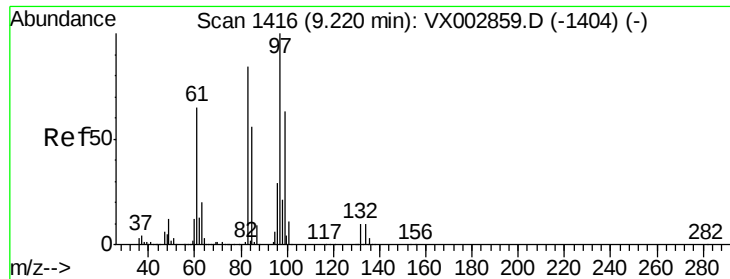
91 172.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

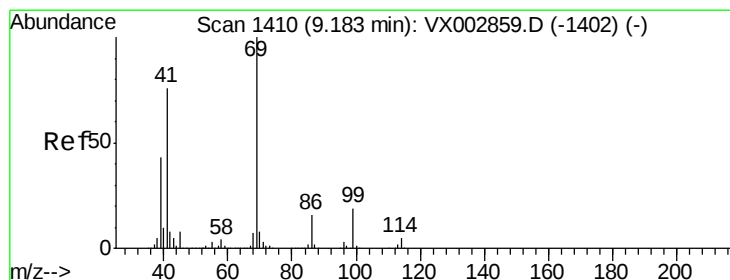
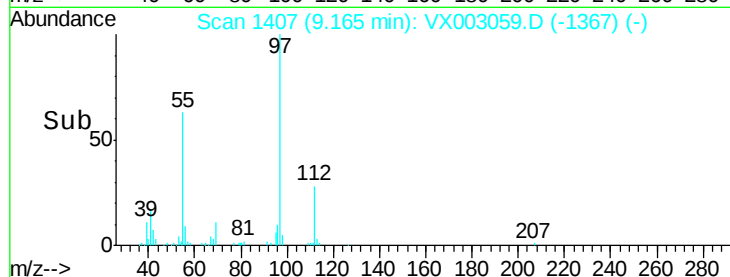
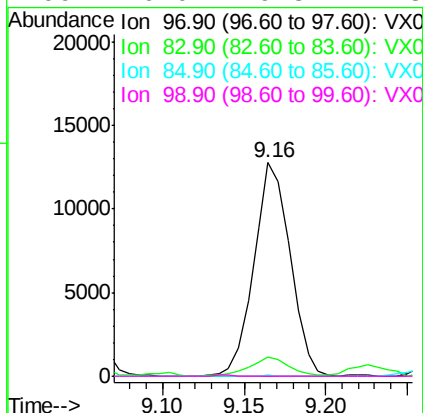
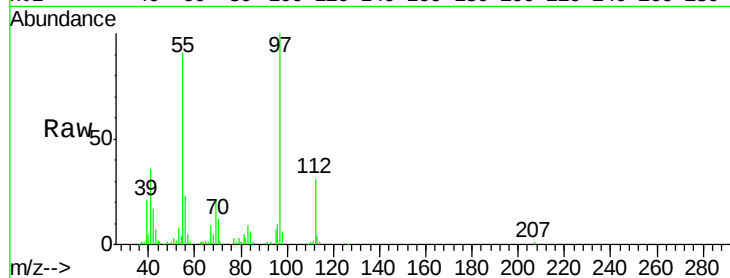




#55
 1,1,2-Trichloroethane
 Concen: 5.59 ug/l
 RT: 9.16 min Scan# 1407
 Delta R.T. -0.05 min
 Lab File: VX003059.D
 Acq: 30 Jun 2018 05:09

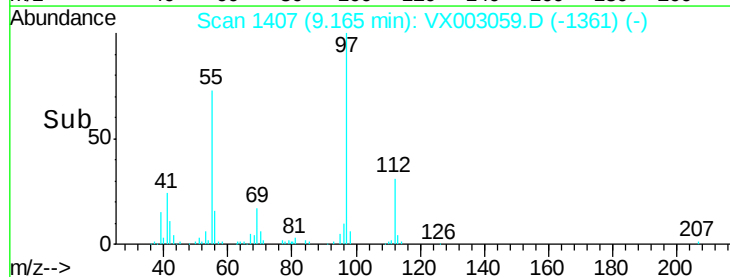
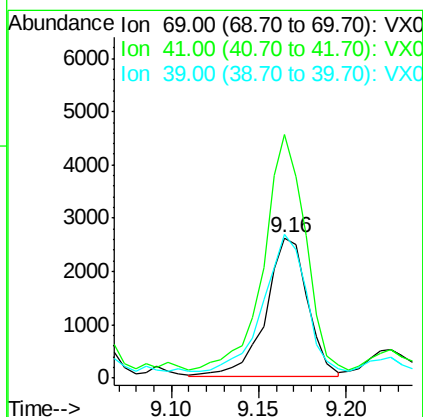
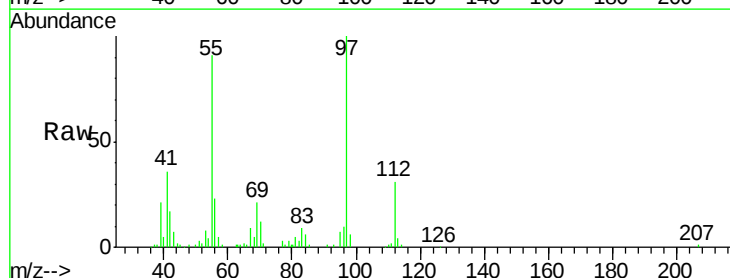
Instrument :
 MSVOA_X
 ClientSampleId :

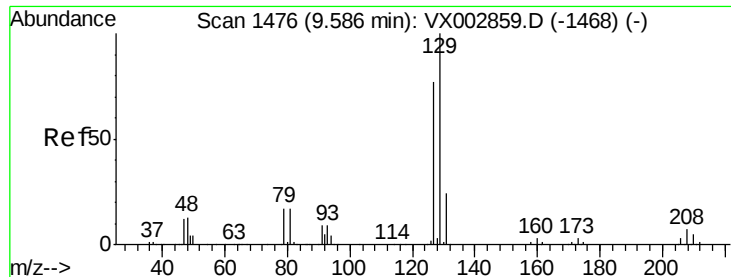
Tot Ion	Ratio	Lower	Upper
97	100		
83	8.7	70.2	105.2#
85	0.5	44.9	67.3#
99	0.0	49.8	74.8#



#56
 Ethyl methacrylate
 Concen: 0.85 ug/l
 RT: 9.16 min Scan# 1407
 Delta R.T. -0.02 min
 Lab File: VX003059.D
 Acq: 30 Jun 2018 05:09

Tgt Ion	Ratio	Lower	Upper
69	100		
41	164.5	60.3	90.5#
39	97.9	35.8	53.8#

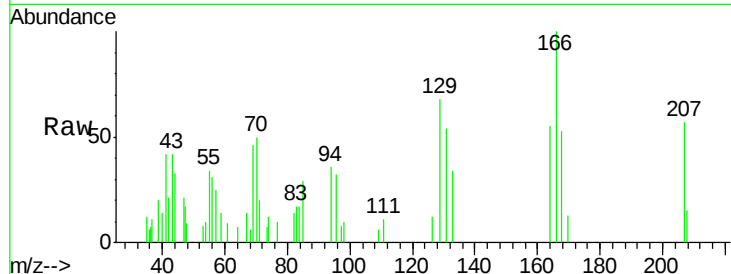




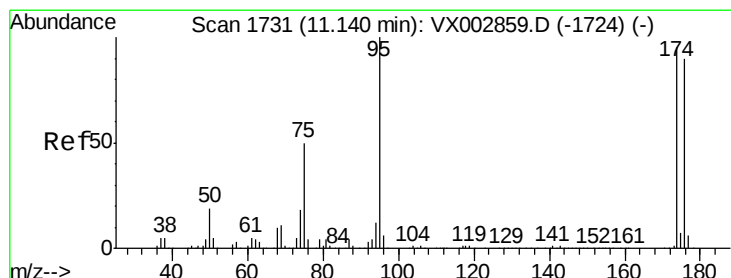
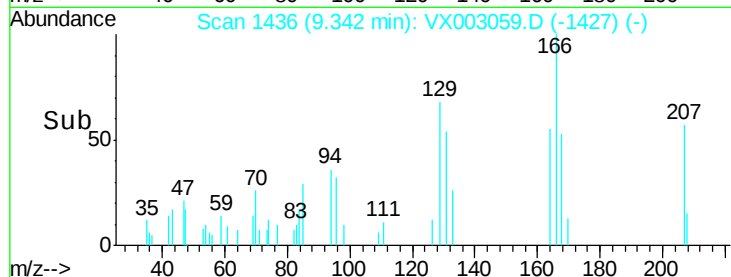
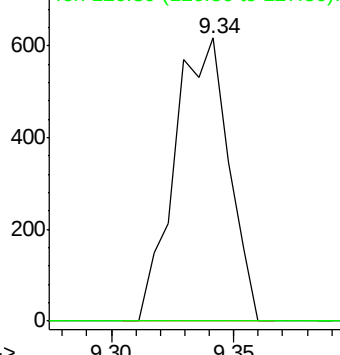
#60
Dibromochloromethane
Concen: 0.25 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.24 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 945
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

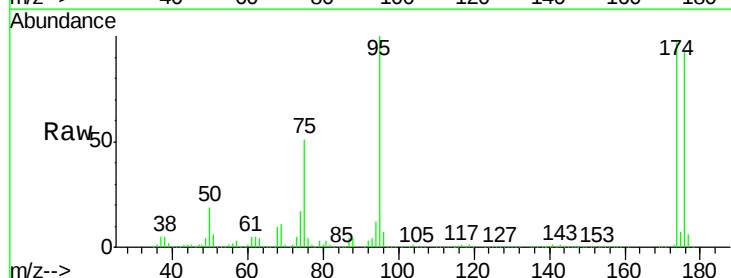


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

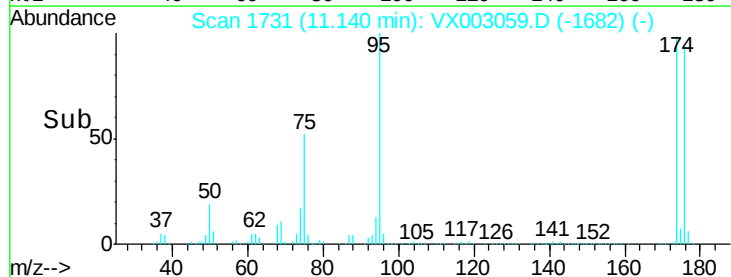
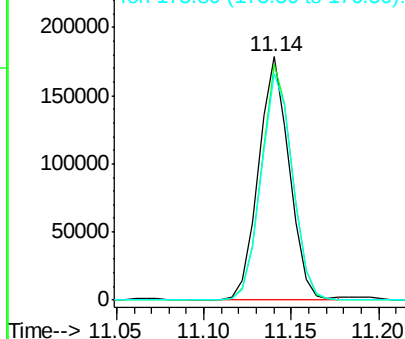


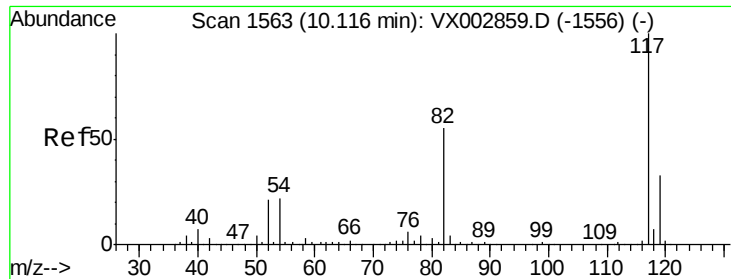
#62
4-Bromofluorobenzene
Concen: 46.31 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

Tgt Ion: 95 Resp: 217370
Ion Ratio Lower Upper
95 100
174 98.0 0.0 187.4
176 95.5 0.0 181.0



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

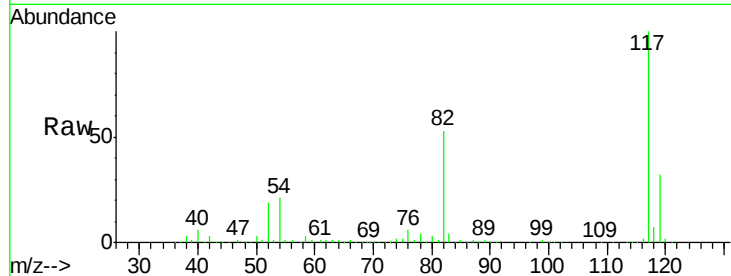




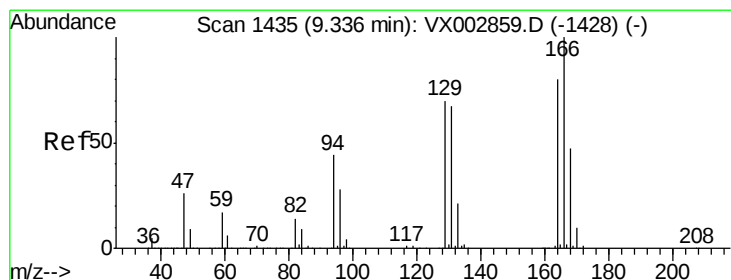
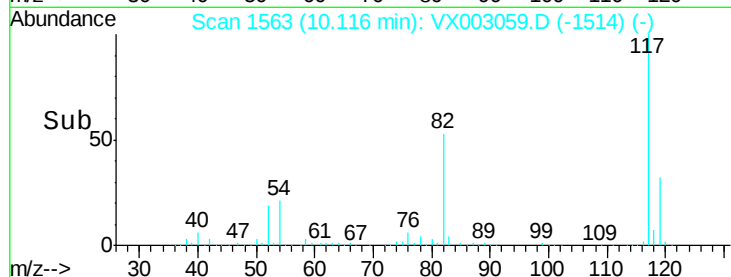
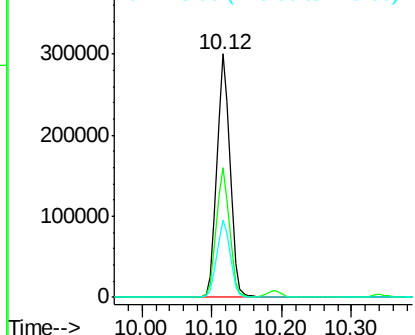
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 395036
Ion Ratio Lower Upper
117 100
82 53.5 45.0 67.4
119 32.0 25.8 38.6

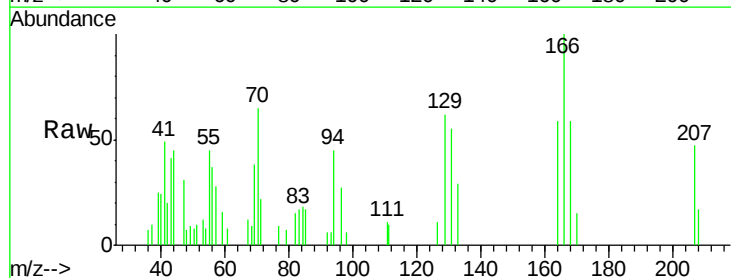


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

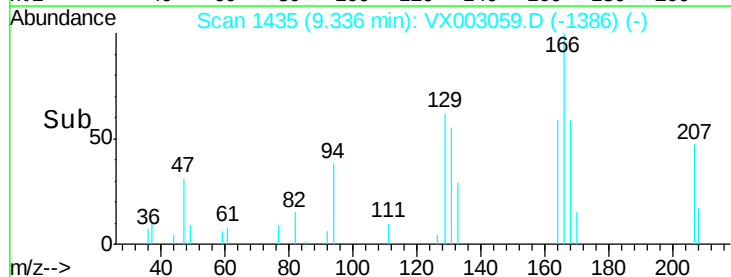
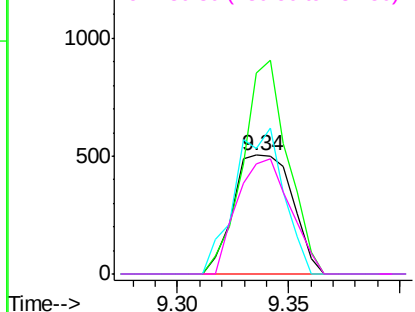


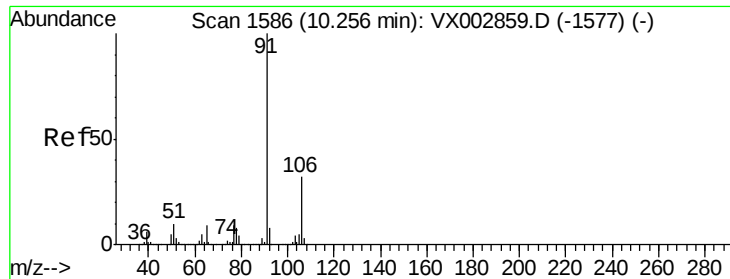
#64
Tetrachloroethene
Concen: 0.21 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

Tgt Ion:164 Resp: 933
Ion Ratio Lower Upper
164 100
166 169.4 102.9 154.3#
129 105.6 68.6 102.8#
131 93.2 66.8 100.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#67

Ethyl Benzene

Concen: 31.77 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :

MSVOA_X

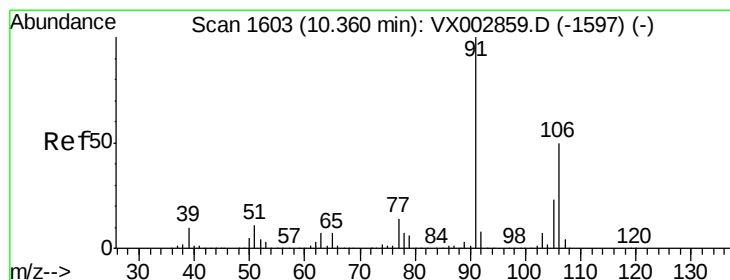
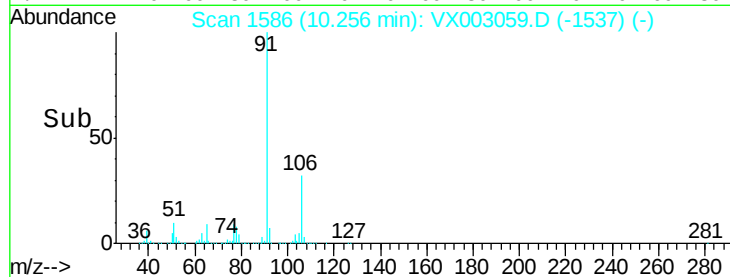
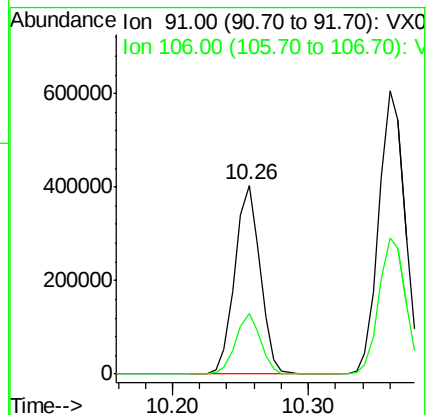
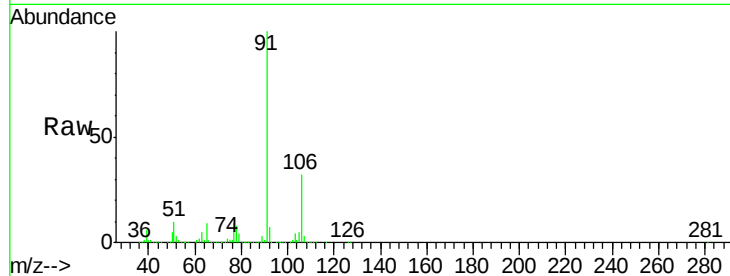
ClientSampleId :

Tot Ion: 91 Resp: 526629

Ion Ratio Lower Upper

91 100

106 32.1 25.5 38.3



#68

m/p-Xylenes

Concen: 62.21 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003059.D

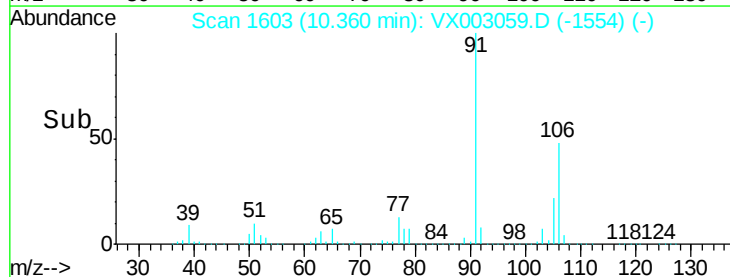
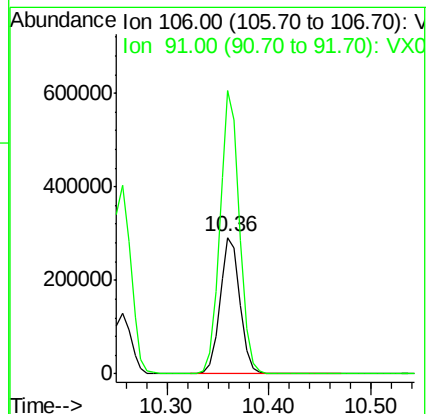
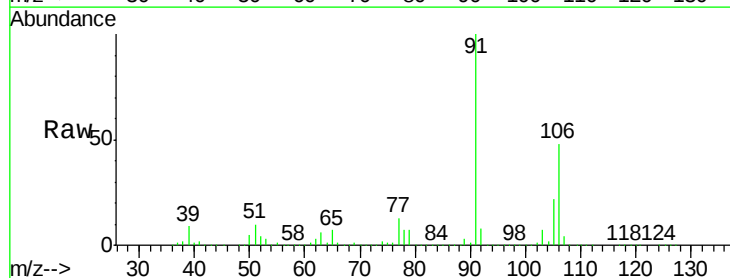
Acq: 30 Jun 2018 05:09

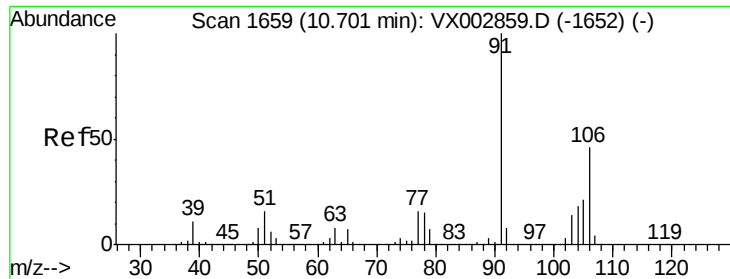
Tgt Ion: 106 Resp: 397412

Ion Ratio Lower Upper

106 100

91 204.3 163.4 245.2

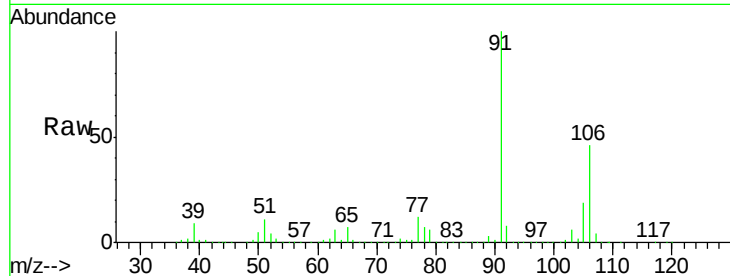




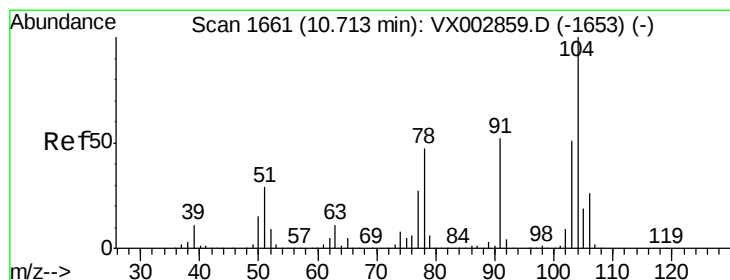
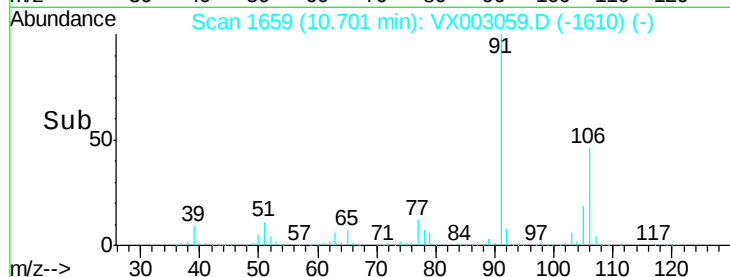
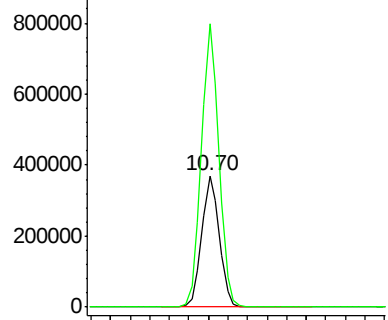
#69
o-Xylene
Concen: 74.23 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 461693
Ion Ratio Lower Upper
106 100
91 214.6 108.2 324.6

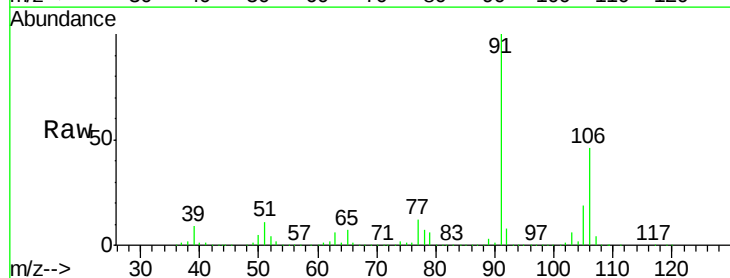


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

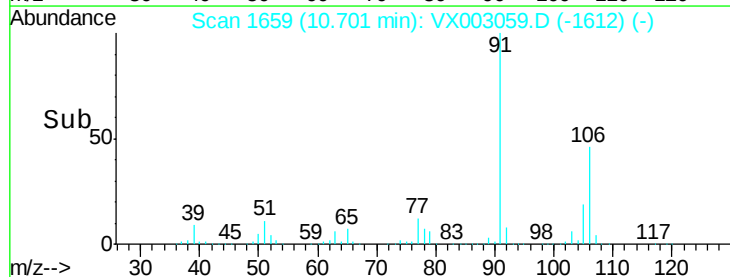
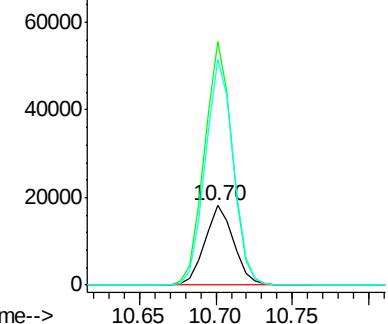


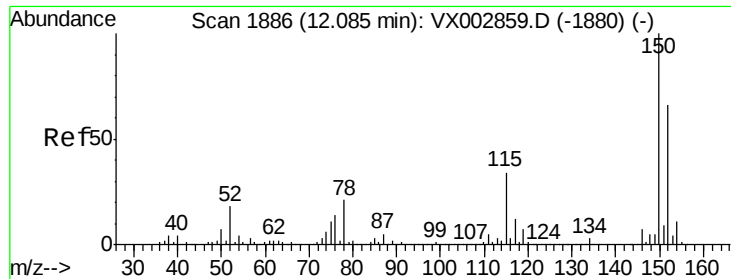
#70
Styrene
Concen: 2.35 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

Tgt Ion:104 Resp: 23748
Ion Ratio Lower Upper
104 100
78 295.6 41.0 61.6#
103 275.2 44.2 66.4#



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: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :

MSVOA_X

ClientSampleId :

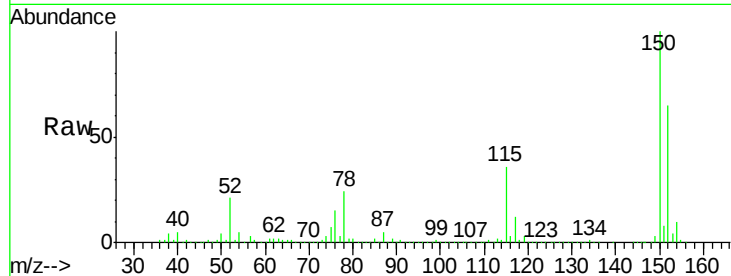
Tot Ion:152 Resp: 235236

Ion Ratio Lower Upper

152 100

115 55.2 40.1 120.2

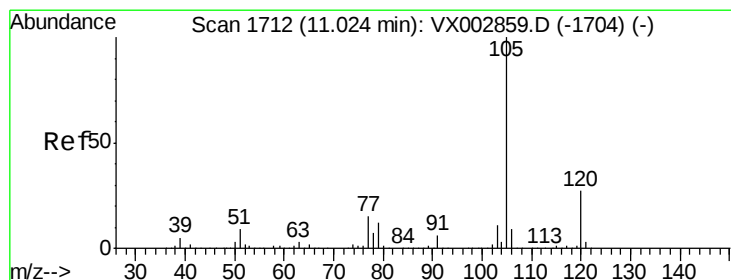
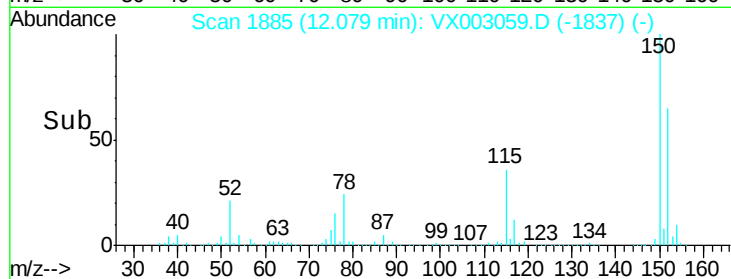
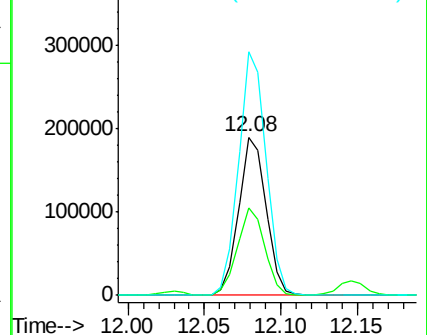
150 154.7 0.0 347.2



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



#73

Isopropylbenzene

Concen: 3.60 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003059.D

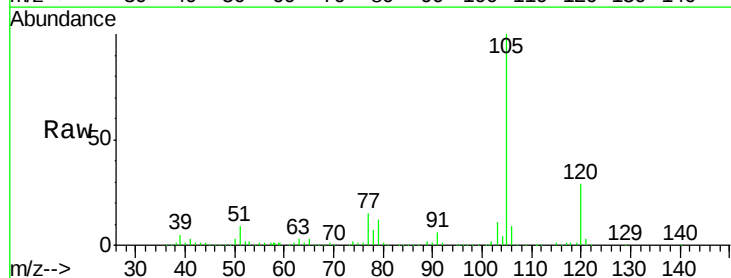
Acq: 30 Jun 2018 05:09

Tgt Ion:105 Resp: 56891

Ion Ratio Lower Upper

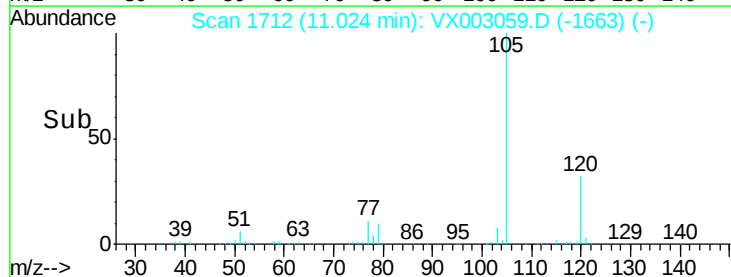
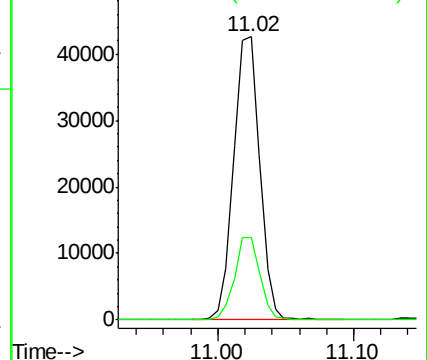
105 100

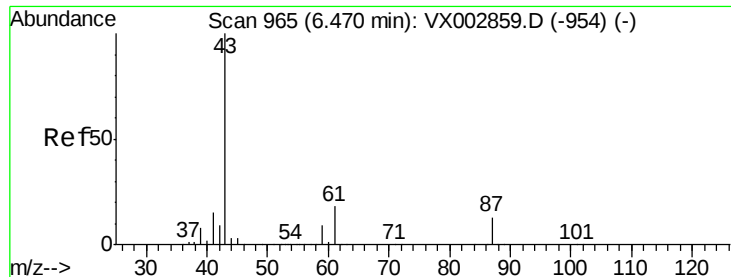
120 28.2 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.48 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 43 Resp: 3681

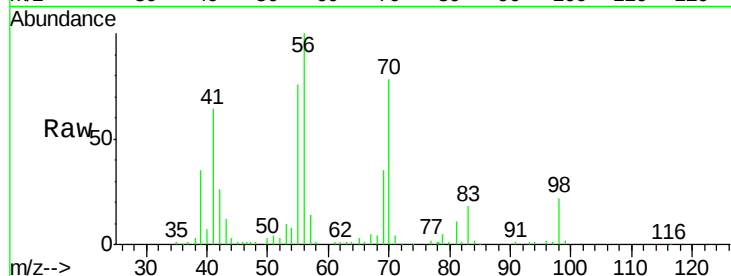
Ion Ratio Lower Upper

43 100

70 728.3 0.0 0.0#

55 726.2 0.0 0.0#

61 2.9 14.4 21.6#

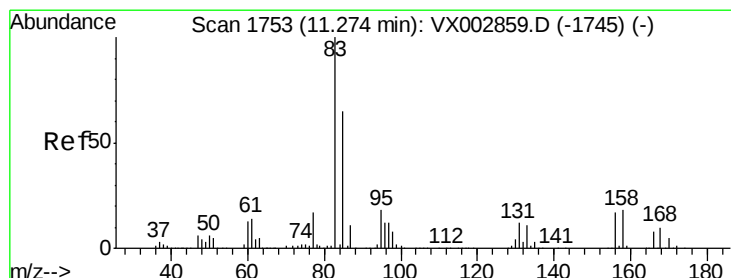
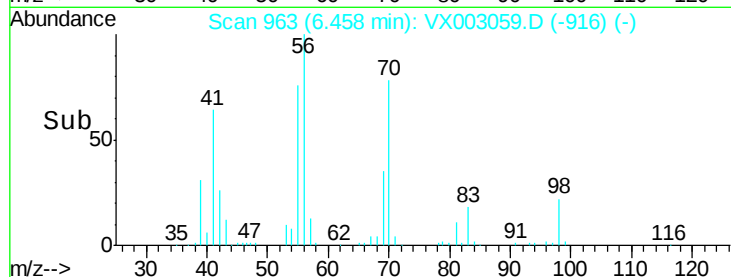
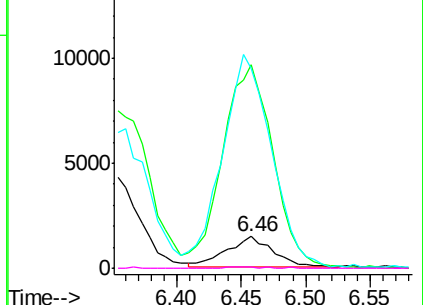


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 0.41 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

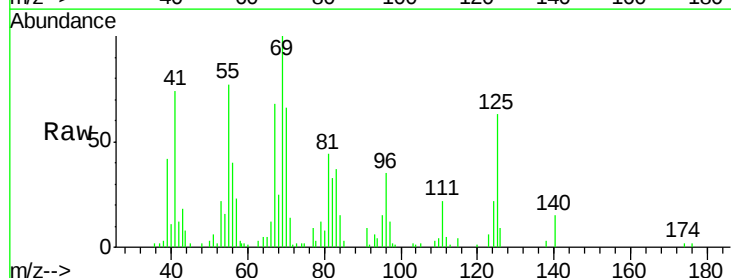
Tgt Ion: 83 Resp: 1984

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

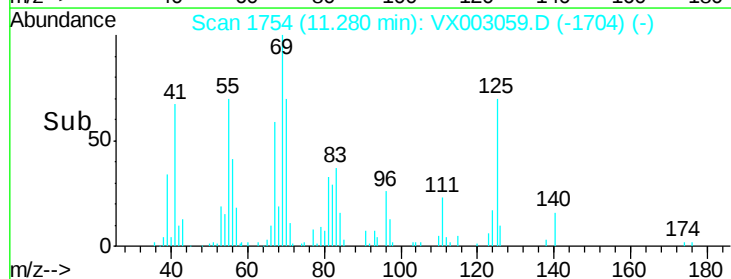
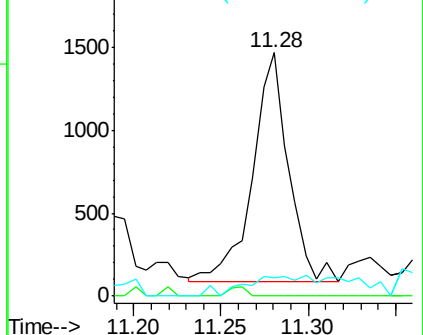
85 16.9 32.4 97.2#

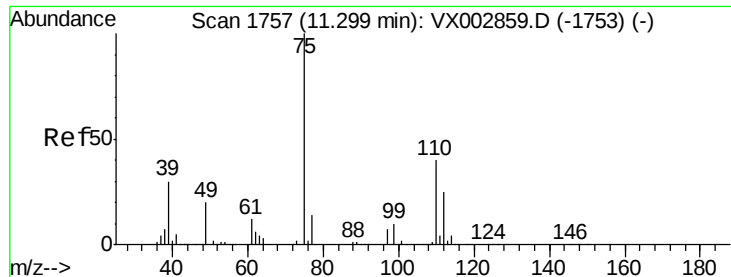


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 26.27 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :

MSVOA_X

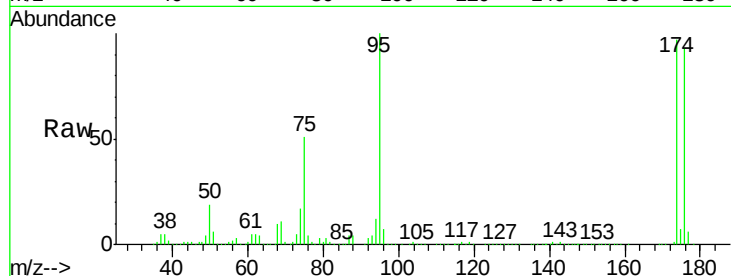
ClientSampleId :

Tot Ion: 75 Resp: 111932

Ion Ratio Lower Upper

75 100

77 1.1 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

100000

80000

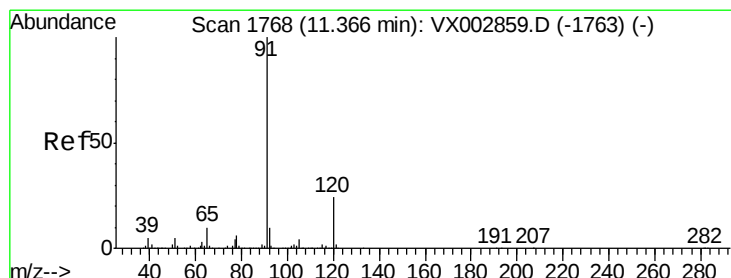
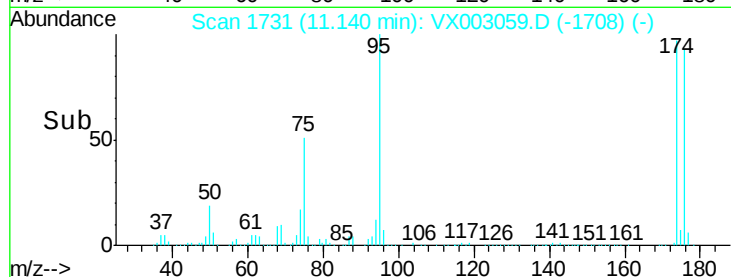
60000

40000

20000

0

Time--> 11.05 11.10 11.15 11.20



#78

n-propylbenzene

Concen: 4.32 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003059.D

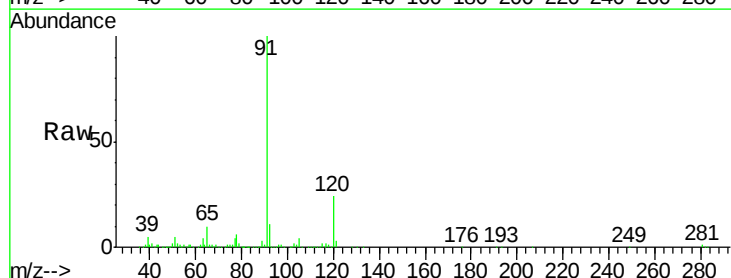
Acq: 30 Jun 2018 05:09

Tgt Ion: 91 Resp: 77831

Ion Ratio Lower Upper

91 100

120 23.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.37

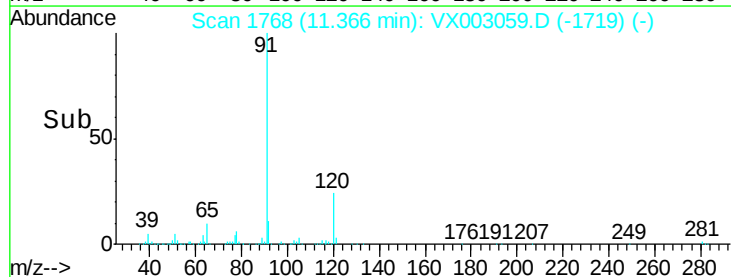
60000

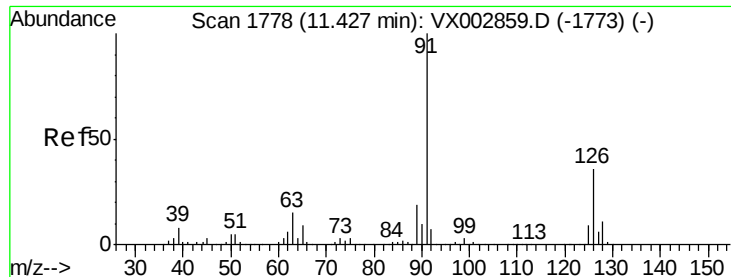
40000

20000

0

Time--> 11.30 11.35 11.40





#79

2-Chlorotoluene

Concen: 3.65 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :

MSVOA_X

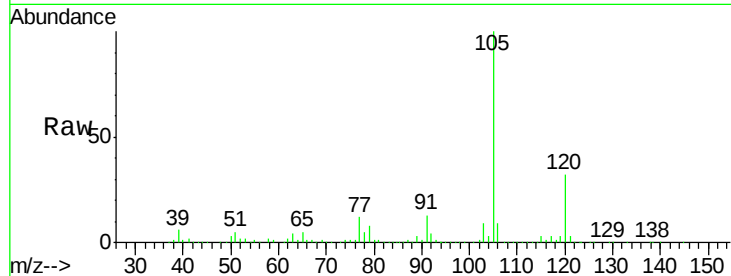
ClientSampleId :

Tot Ion: 91 Resp: 39829

Ion Ratio Lower Upper

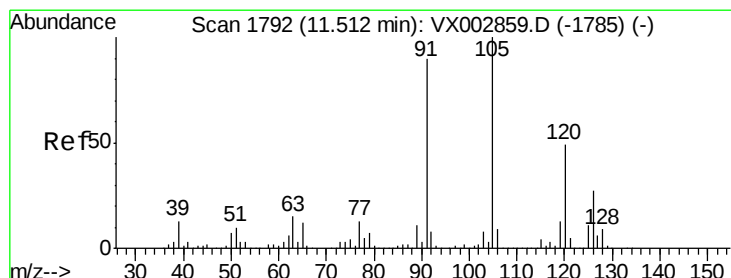
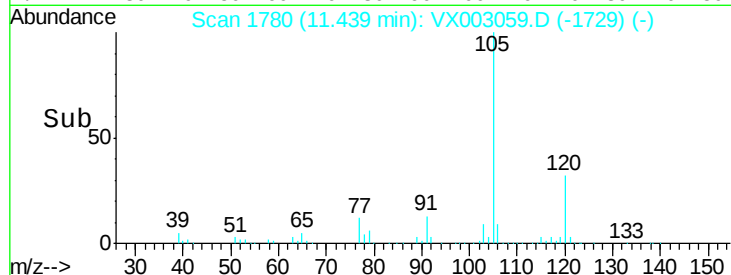
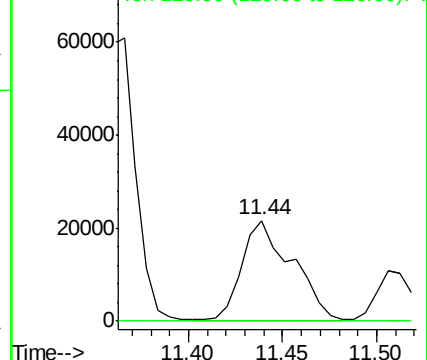
91 100

126 0.2 17.7 53.1#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 9.25 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003059.D

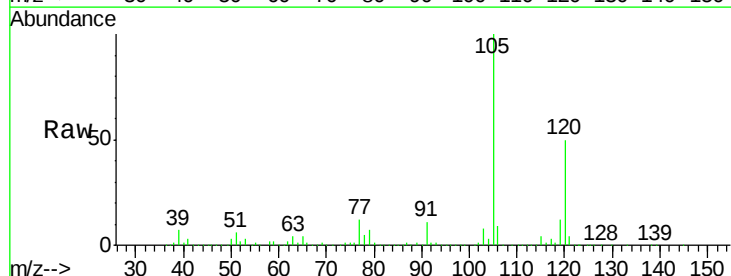
Acq: 30 Jun 2018 05:09

Tgt Ion:105 Resp: 123261

Ion Ratio Lower Upper

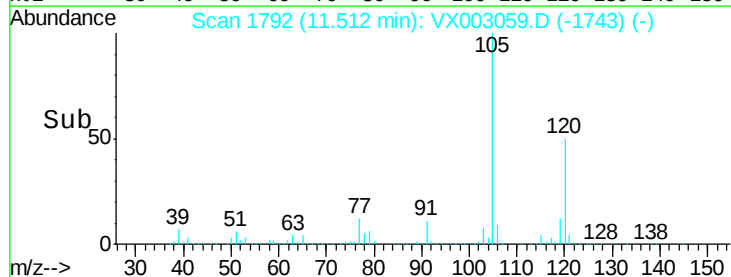
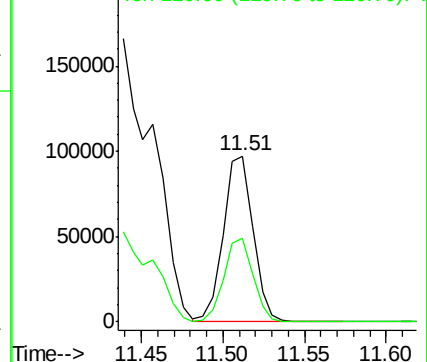
105 100

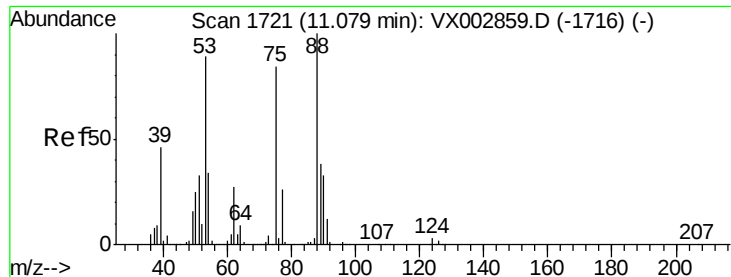
120 49.7 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 74.45 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :

MSVOA_X

ClientSampled :

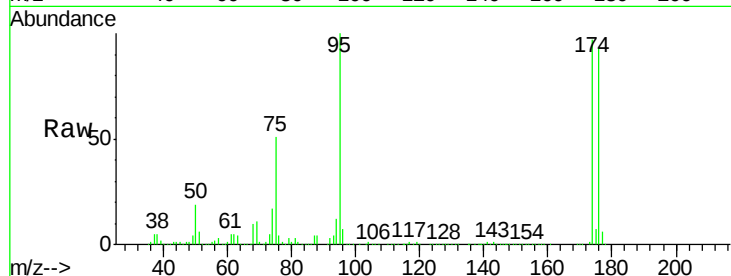
Tot Ion: 75 Resp: 111932

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

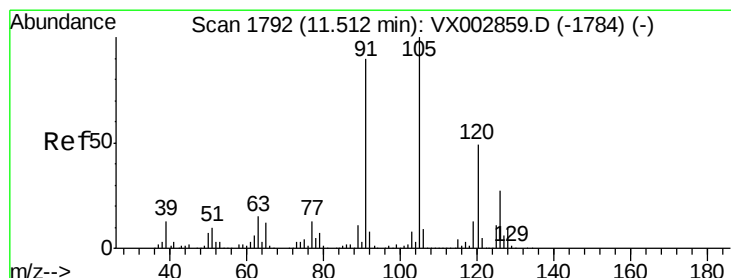
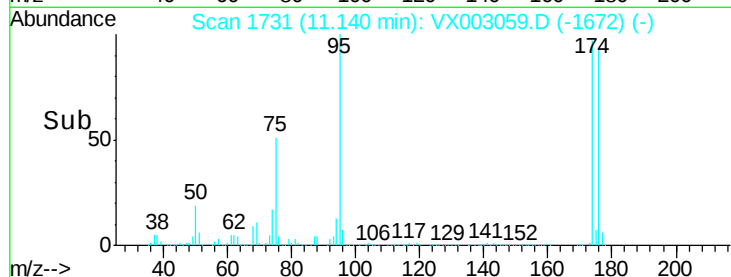
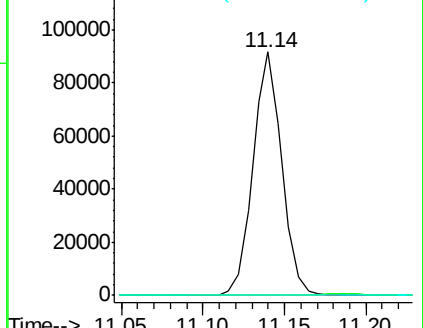
89 0.0 38.2 57.2#



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



#82

4-Chlorotoluene

Concen: 1.06 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003059.D

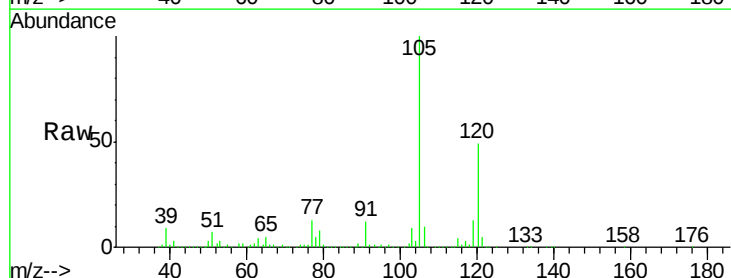
Acq: 30 Jun 2018 05:09

Tgt Ion: 91 Resp: 13701

Ion Ratio Lower Upper

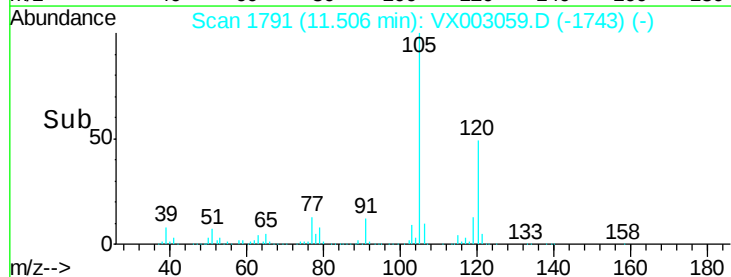
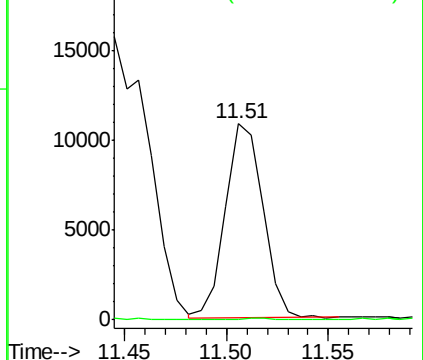
91 100

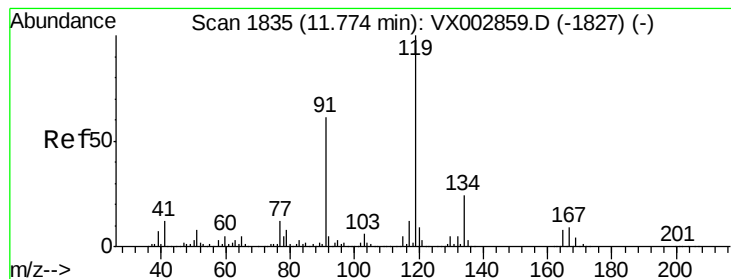
126 0.4 15.4 46.4#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.34 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :

MSVOA_X

ClientSampleId :

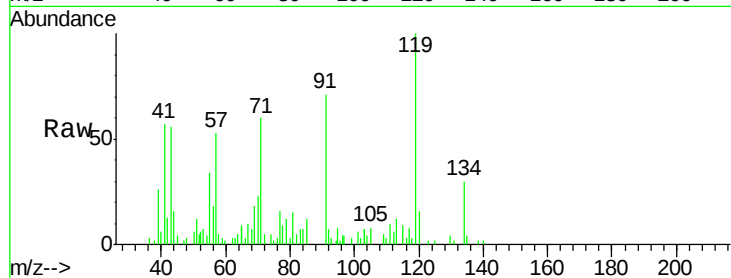
Tot Ion:119 Resp: 4512

Ion Ratio Lower Upper

119 100

91 0.0 30.3 90.9#

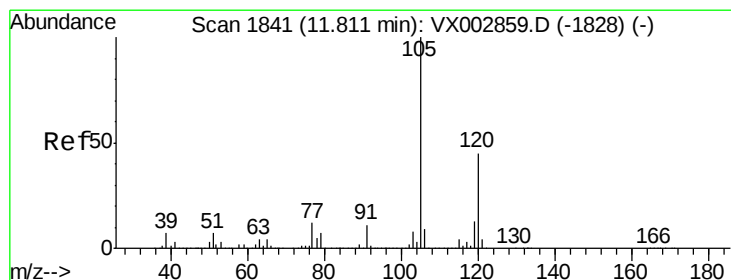
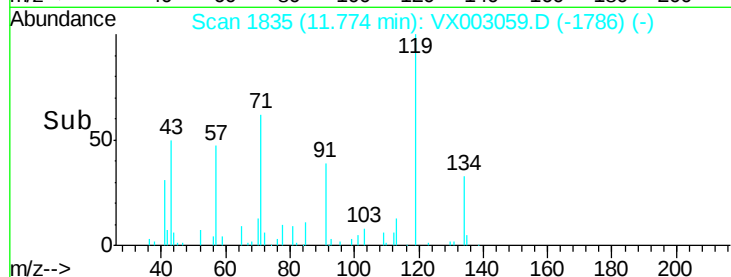
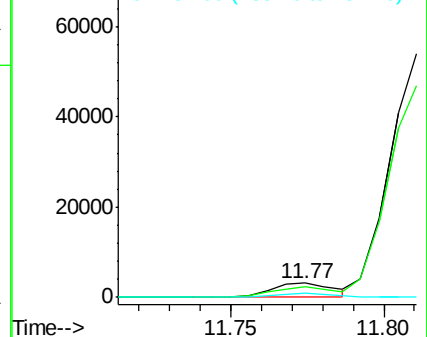
134 26.9 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 38.70 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX003059.D

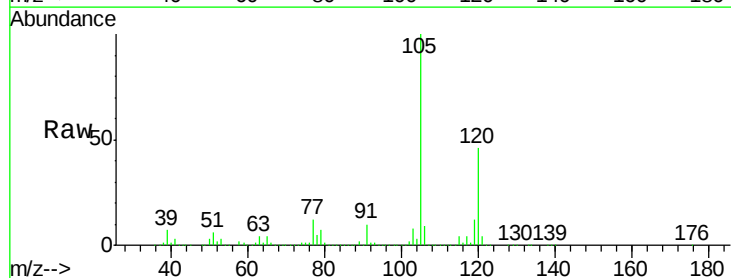
Acq: 30 Jun 2018 05:09

Tgt Ion:105 Resp: 534440

Ion Ratio Lower Upper

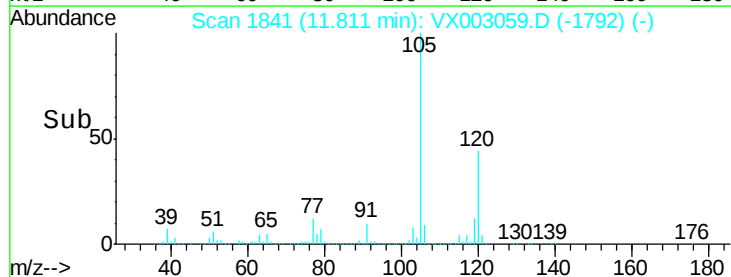
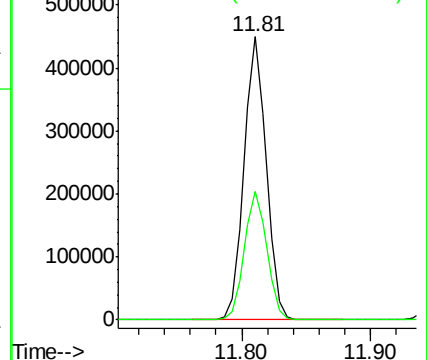
105 100

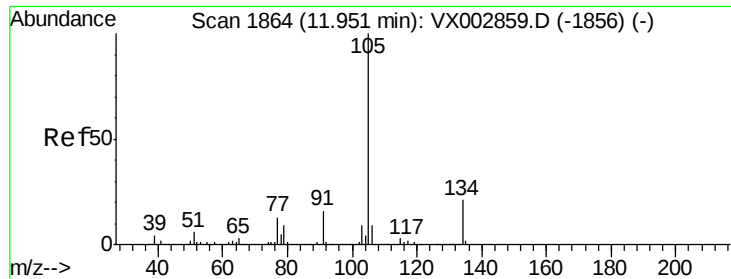
120 45.9 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

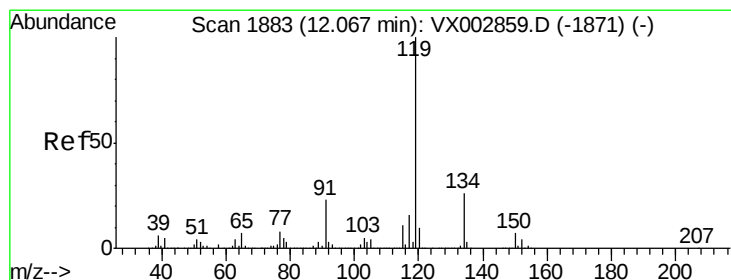
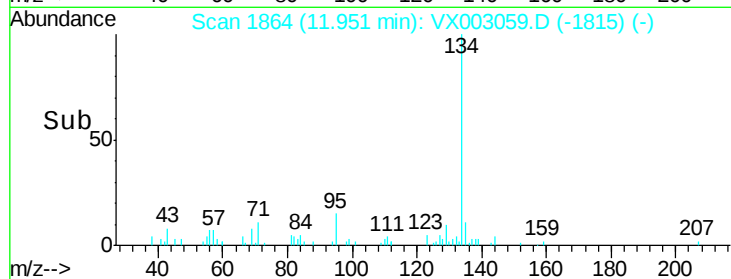
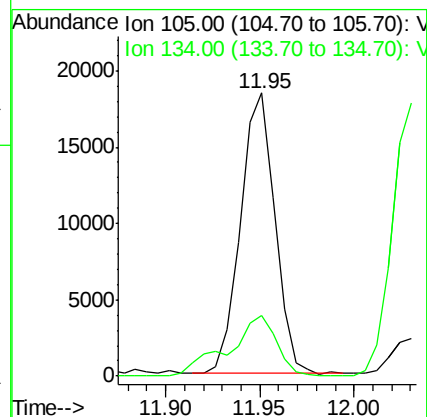
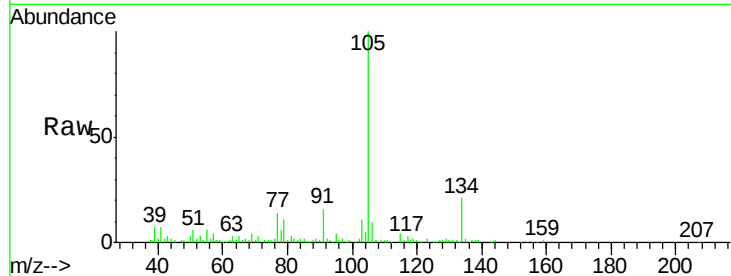




#85
 sec-Butylbenzene
 Concen: 1.46 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003059.D
 Acq: 30 Jun 2018 05:09

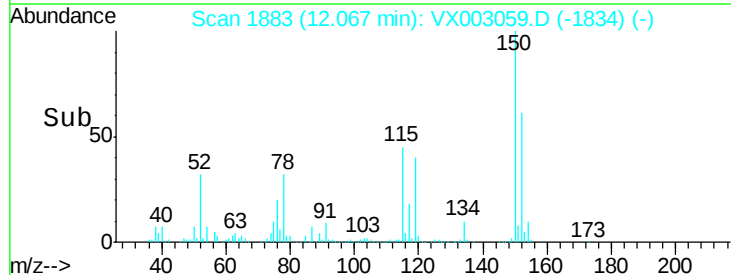
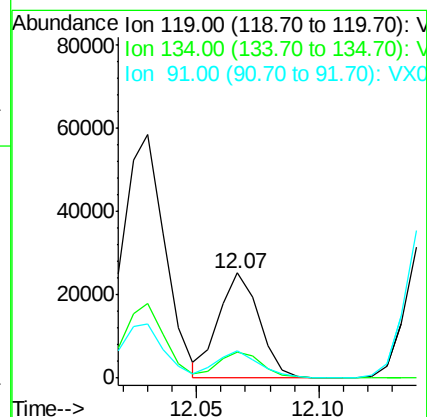
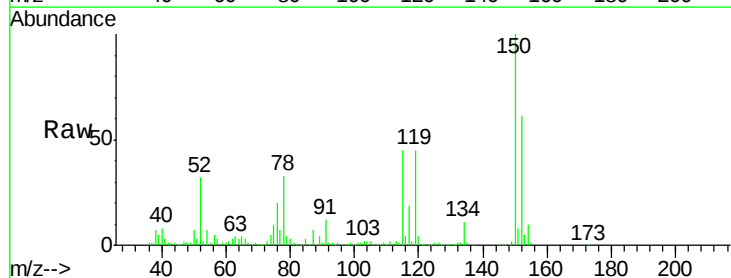
Instrument :
 MSVOA_X
 ClientSampleId :

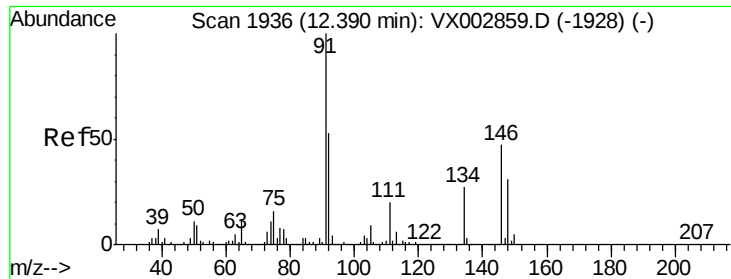
Tot Ion:105 Resp: 23192
 Ion Ratio Lower Upper
 105 100
 134 30.4 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 2.03 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003059.D
 Acq: 30 Jun 2018 05:09

Tgt Ion:119 Resp: 29150
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.4 40.1
 91 26.8 11.9 35.7

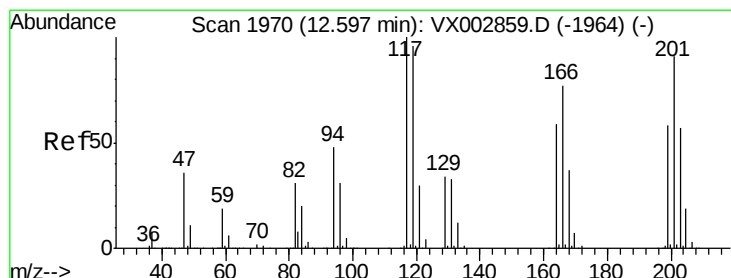
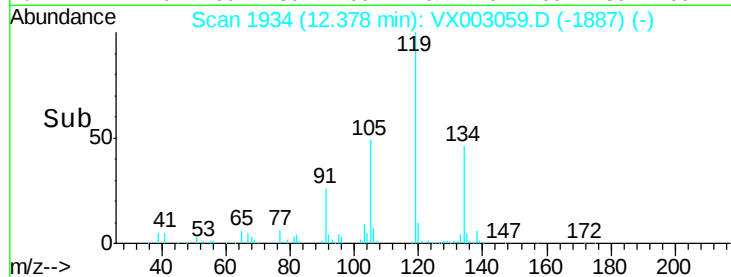
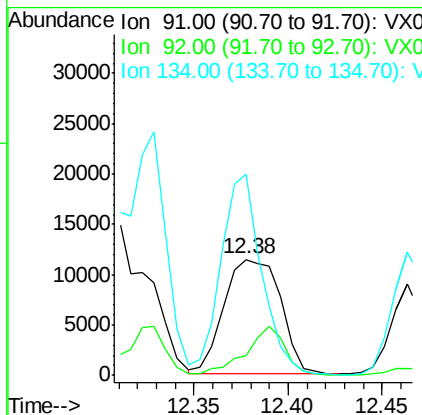
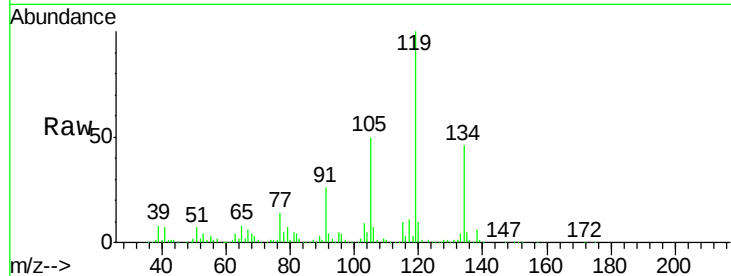




#89
n-Butylbenzene
Concen: 1.90 ug/l
RT: 12.38 min Scan# 1934
Delta R.T. -0.01 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

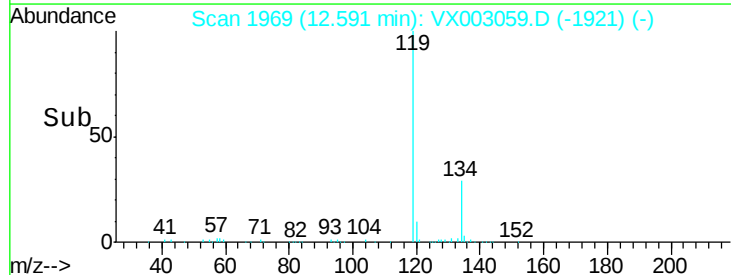
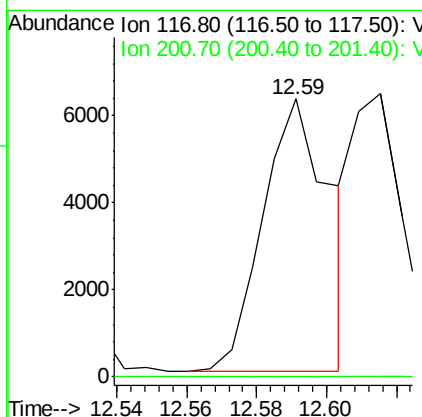
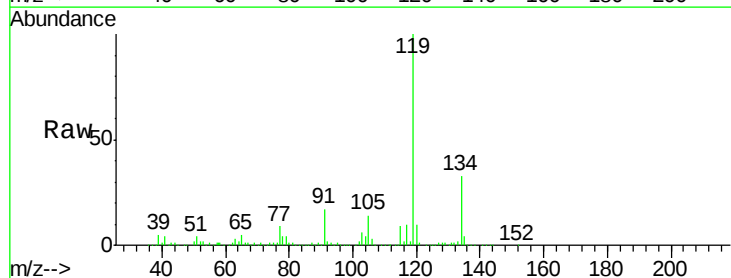
Instrument :
MSVOA_X
ClientSampled :

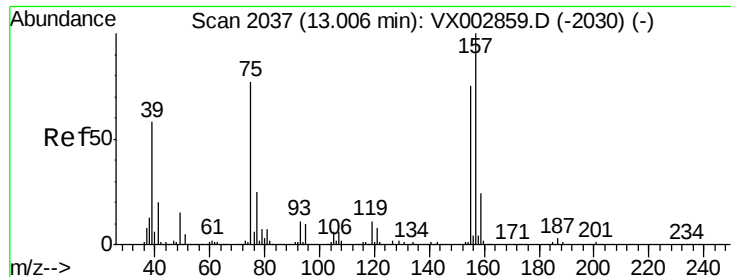
Tot Ion: 91 Resp: 23684
Ion Ratio Lower Upper
91 100
92 30.1 26.0 78.0
134 126.1 13.5 40.5#



#90
Hexachloroethane
Concen: 3.88 ug/l
RT: 12.59 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

Tgt Ion: 117 Resp: 8271
Ion Ratio Lower Upper
117 100
201 0.0 49.0 147.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.90 ug/l

RT: 13.02 min Scan# 2039

Delta R.T. 0.01 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :

MSVOA_X

ClientSampleId :

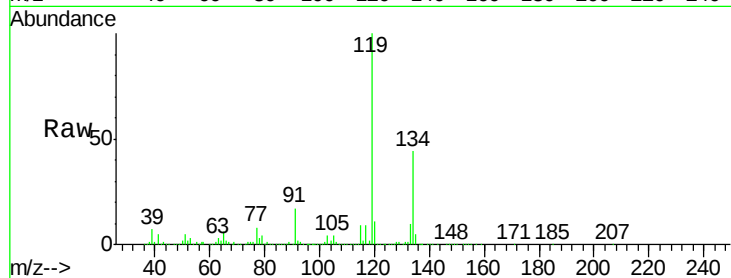
Tot Ion: 75 Resp: 986

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.4#

157 3.3 60.1 180.3#



Abundance Ion 74.90 (74.60 to 75.60): VX002859.D (-2030) (-)

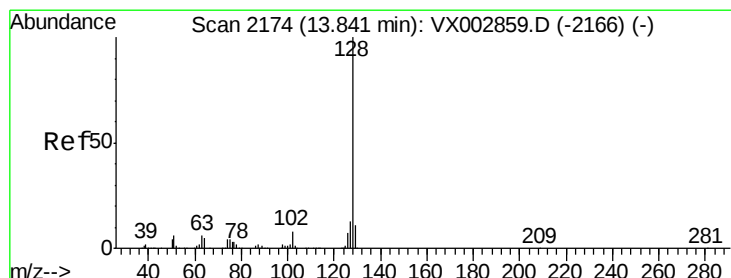
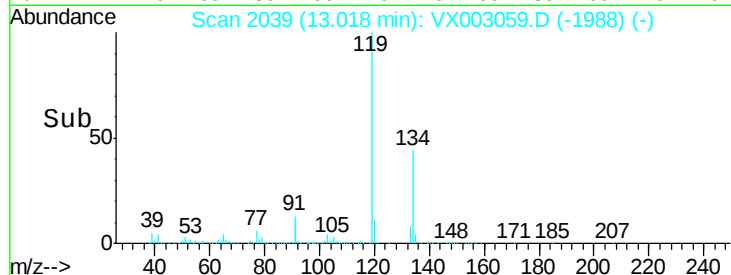
Ion 154.80 (154.50 to 155.50): VX002859.D (-2030) (-)

Ion 156.80 (156.50 to 157.50): VX002859.D (-2030) (-)

Time-->

13.02

13.05



#95

Naphthalene

Concen: 7.79 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

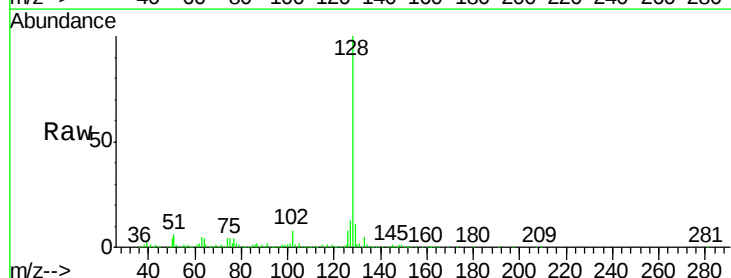
Tgt Ion: 128 Resp: 125452

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

129 13.3 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VX002859.D (-2166) (-)

Ion 127.00 (126.70 to 127.70): VX002859.D (-2166) (-)

Ion 129.00 (128.70 to 129.70): VX002859.D (-2166) (-)

Time-->

13.84

13.90

