

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030218\
 Data File : VX000200.D
 Acq On : 02 Mar 2018 18:59
 Operator : JC/MD
 Sample : J1779-03 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 03 04:43:46 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 12:46:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	80684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	131365	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	120403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	64050	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	52428	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
35) Dibromofluoromethane	5.52	113	39622	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
50) Toluene-d8	8.73	98	161457	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.15	95	55671	43.41	ug/l	0.00
Spiked Amount			Recovery	=	86.82%	

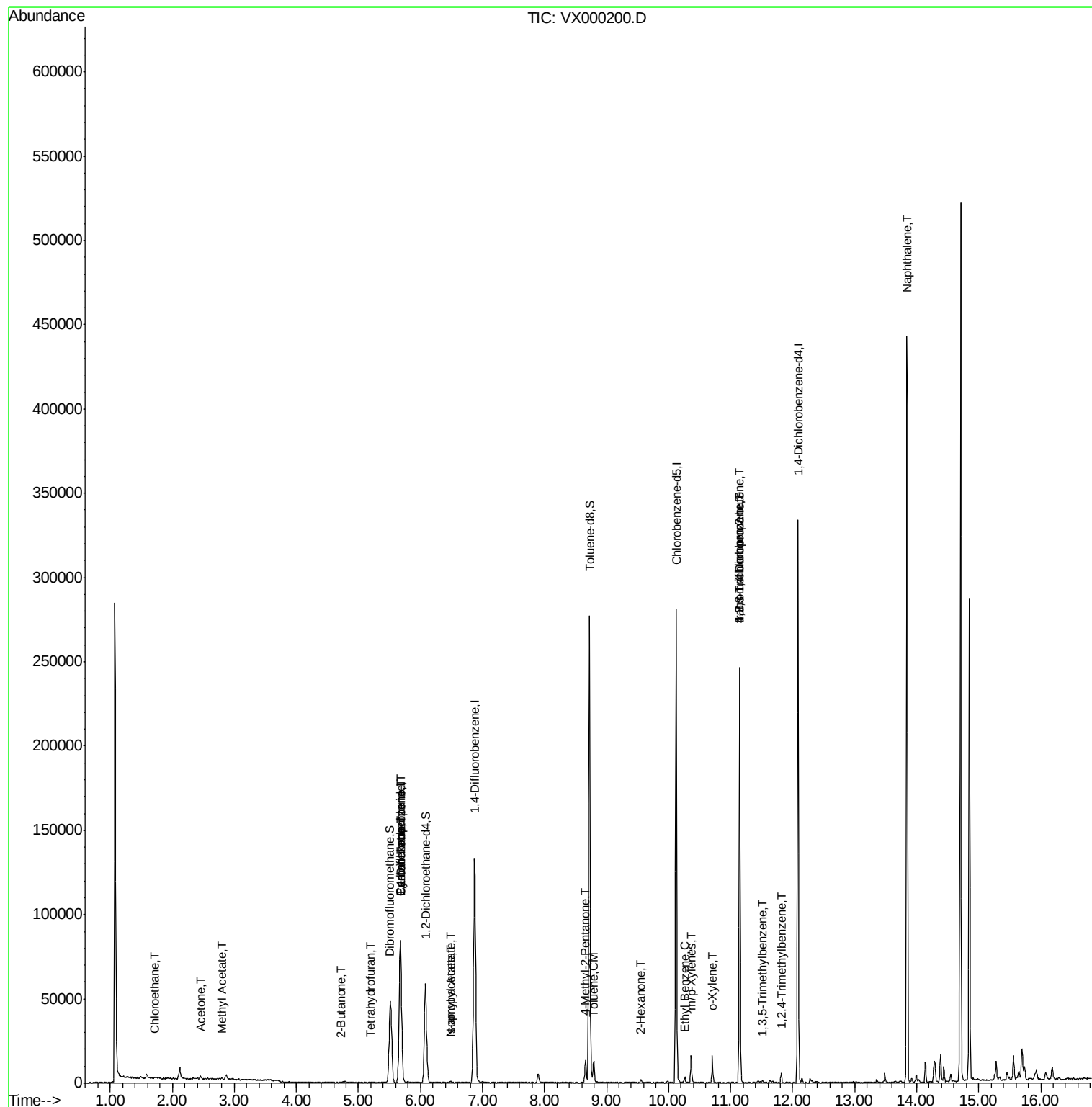
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	26	Below Cal	#	3
6) Chloroethane	1.72	64	283	0.46	ug/l #	42
16) Acetone	2.45	43	1974	3.02	ug/l #	64
18) Methyl Acetate	2.79	43	649	0.42	ug/l #	50
20) Methylene Chloride	2.87	84	1018	Below Cal	#	81
25) 2-Butanone	4.71	43	195	0.21	ug/l #	48
29) Tetrahydrofuran	5.19	42	283	0.48	ug/l #	30
31) Cyclohexane	5.68	56	1829	1.45	ug/l #	39
36) 1,1-Dichloropropene	5.68	75	6275	5.32	ug/l #	48
38) Carbon Tetrachloride	5.68	117	8136	6.39	ug/l #	16
41) Methacrylonitrile	5.06	41	22	Below Cal	#	1
43) Isopropyl Acetate	6.49	43	1211	0.52	ug/l #	70
51) 4-Methyl-2-Pentanone	8.66	43	8331	4.88	ug/l	95
52) Toluene	8.79	92	3928	1.75	ug/l	88
59) 2-Hexanone	9.56	43	295	0.20	ug/l #	24
67) Ethyl Benzene	10.26	91	1996	0.47	ug/l #	77
68) m/p-Xylenes	10.37	106	3770	2.23	ug/l	95
69) o-Xylene	10.71	106	3499	2.15	ug/l	89
74) N-amyl acetate	6.49	43	1211	0.59	ug/l #	67
76) 1,2,3-Trichloropropane	11.15	75	31678	23.88	ug/l #	33
80) 1,3,5-Trimethylbenzene	11.51	105	713	0.21	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.15	75	31678	68.00	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.82	105	2714	0.76	ug/l	94
95) Naphthalene	13.84	128	263844	49.93	ug/l	99

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

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QLast Update : Thu Feb 15 12:46:41 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000200.D

Acq: 02 Mar 2018 18:59

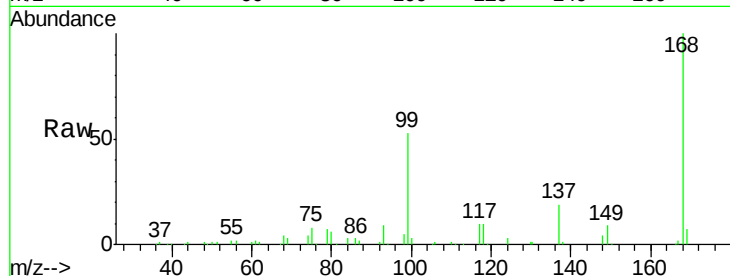
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 80684

Ion Ratio Lower Upper

168 100

99 52.7 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

30000

20000

10000

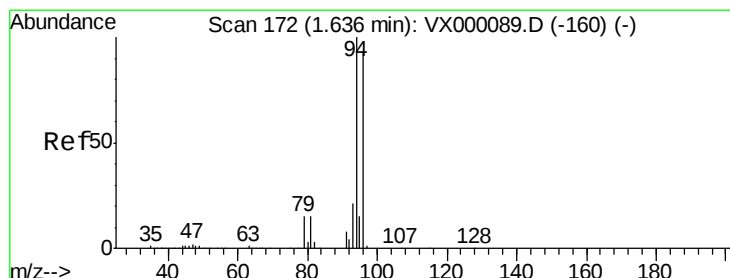
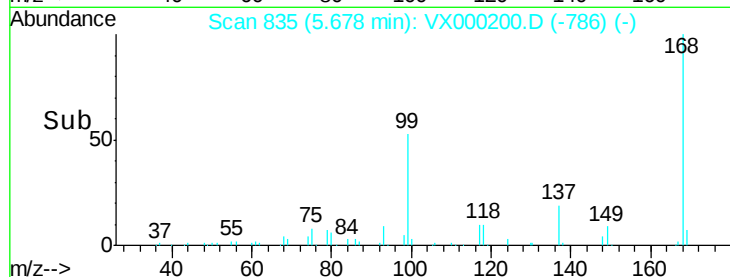
0

Time-->

5.60

5.70

5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 170

Delta R.T. -0.01 min

Lab File: VX000200.D

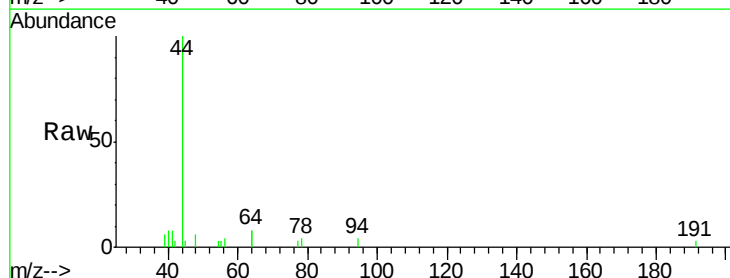
Acq: 02 Mar 2018 18:59

Tgt Ion: 94 Resp: 26

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

80

60

40

20

0

Time-->

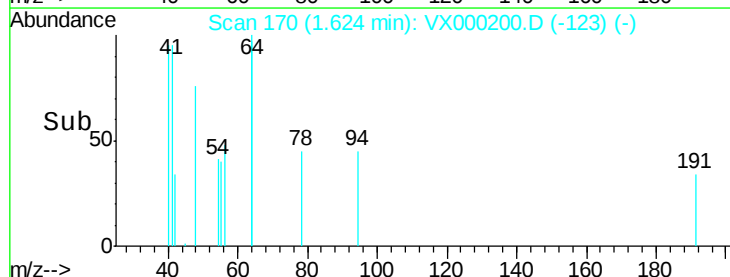
1.60

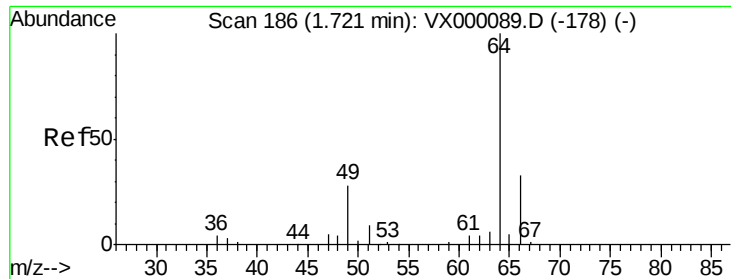
1.61

1.62

1.63

1.64





#6

Chloroethane

Concen: 0.46 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX000200.D

Acq: 02 Mar 2018 18:59

Instrument :

MSVOA_X

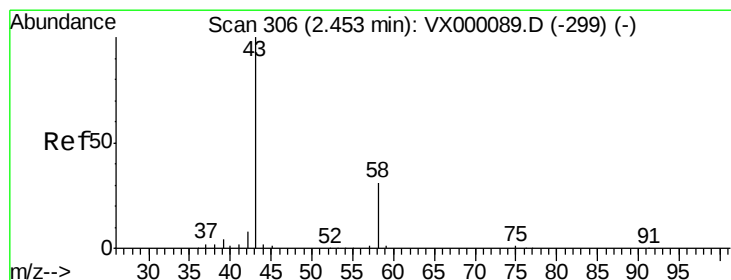
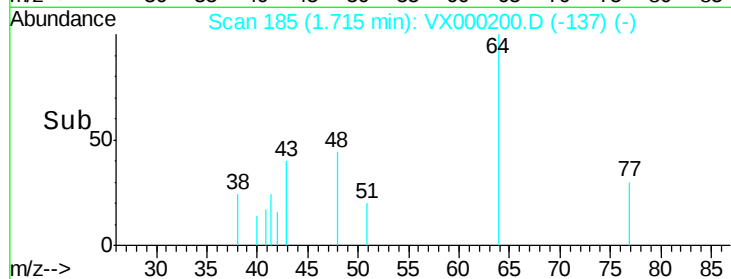
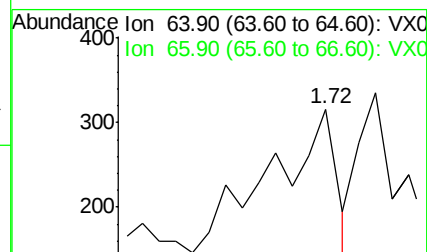
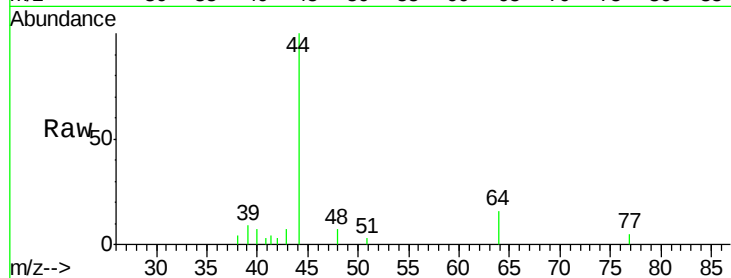
ClientSampleId :

Tot Ion: 64 Resp: 283

Ion Ratio Lower Upper

64 100

66 0.0 26.0 39.0#



#16

Acetone

Concen: 3.02 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000200.D

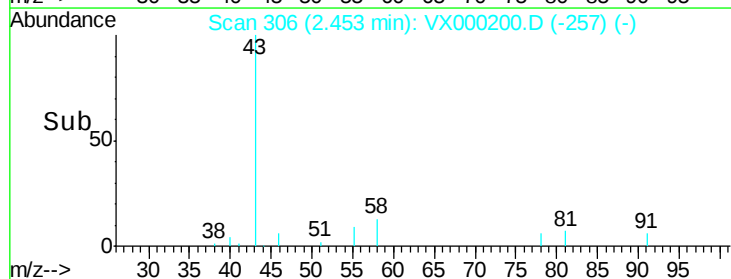
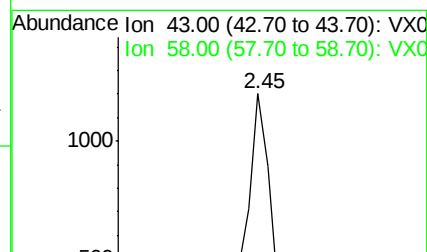
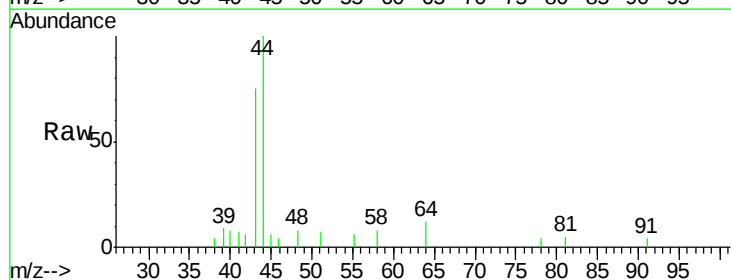
Acq: 02 Mar 2018 18:59

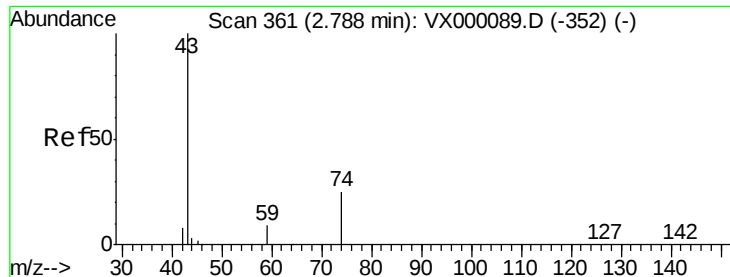
Tgt Ion: 43 Resp: 1974

Ion Ratio Lower Upper

43 100

58 11.3 25.0 37.4#

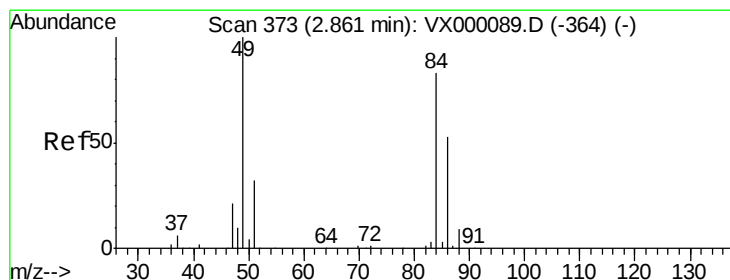
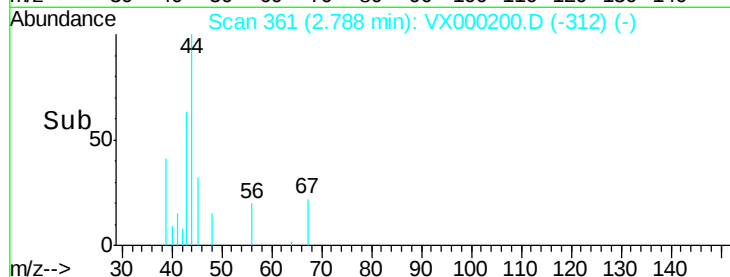
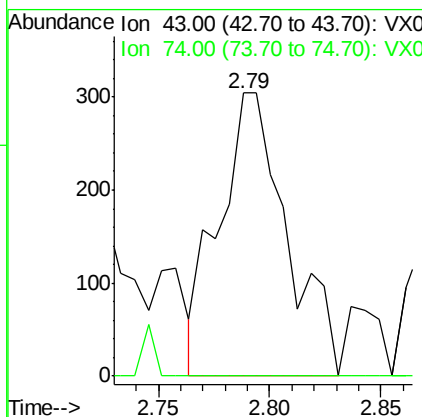
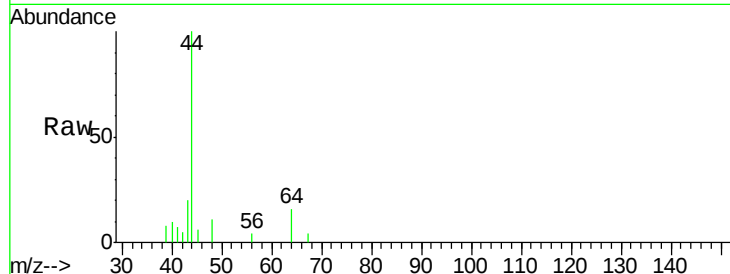




#18
Methyl Acetate
Concen: 0.42 ug/l
RT: 2.79 min Scan# 361
Delta R.T. -0.00 min
Lab File: VX000200.D
Acq: 02 Mar 2018 18:59

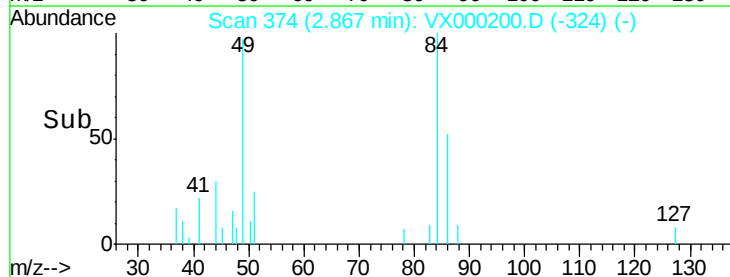
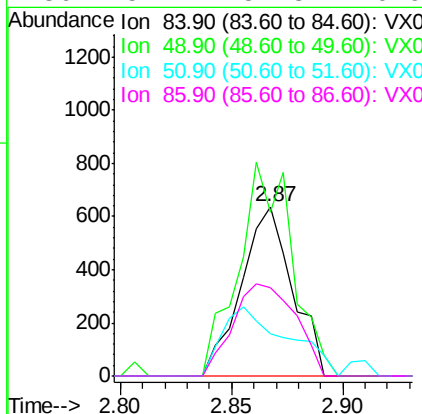
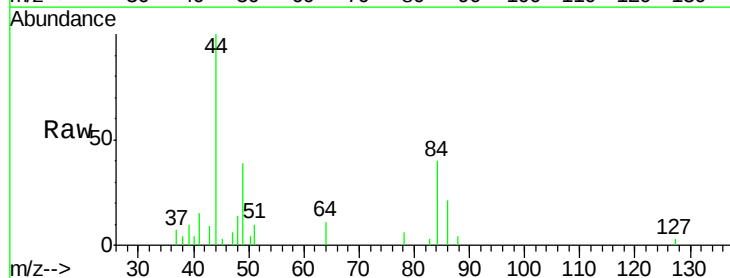
Instrument :
MSVOA_X
ClientSampled :

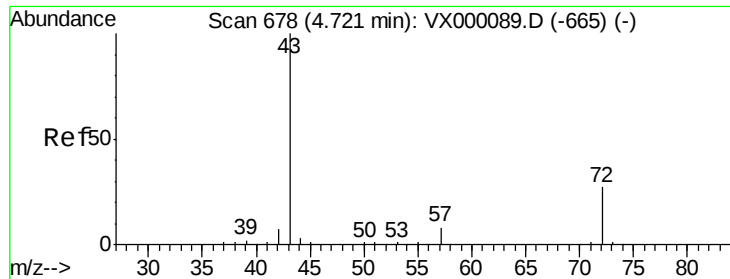
Tot Ion: 43 Resp: 649
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX000200.D
Acq: 02 Mar 2018 18:59

Tgt Ion: 84 Resp: 1018
Ion Ratio Lower Upper
84 100
49 96.7 96.1 144.1
51 24.8 30.5 45.7#
86 52.4 51.3 76.9





#25

2-Butanone

Concen: 0.21 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX000200.D

Acq: 02 Mar 2018 18:59

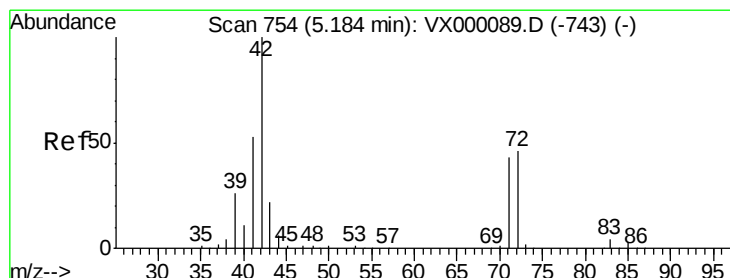
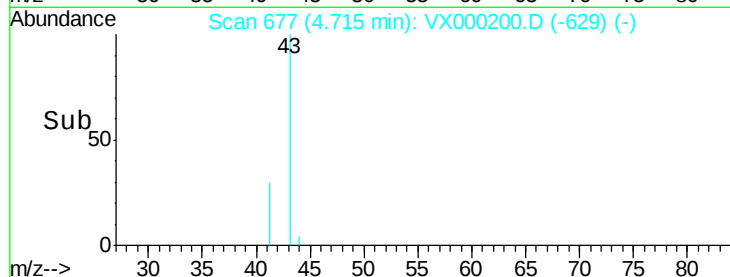
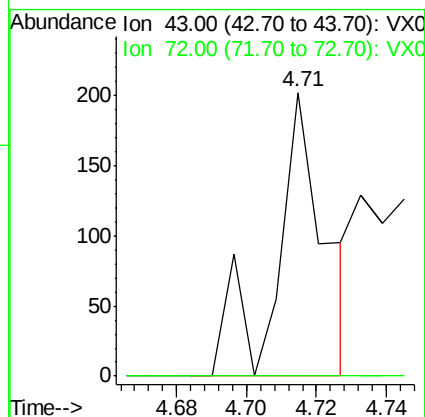
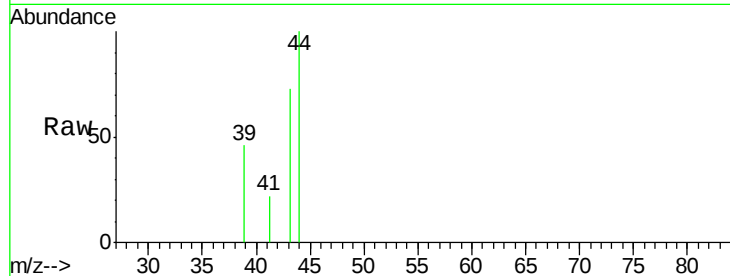
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 195

Ion Ratio Lower Upper

43 100

72 0.0 21.3 31.9#



#29

Tetrahydrofuran

Concen: 0.48 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX000200.D

Acq: 02 Mar 2018 18:59

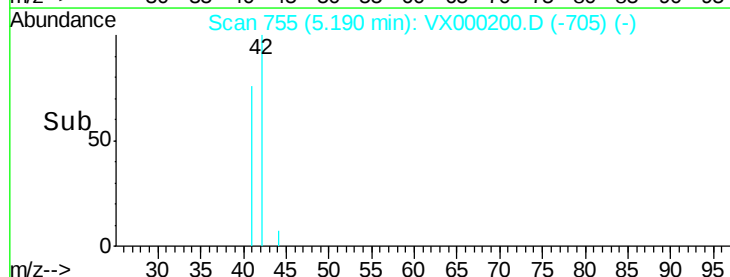
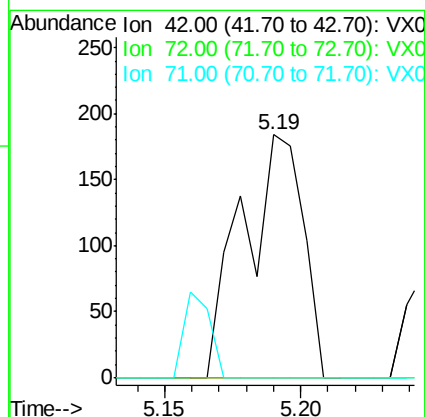
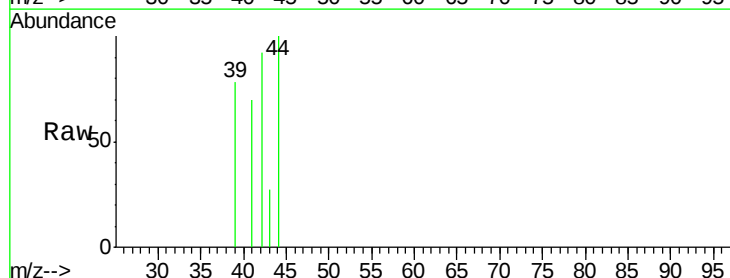
Tgt Ion: 42 Resp: 283

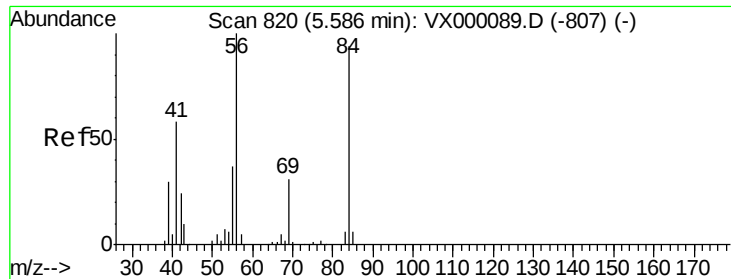
Ion Ratio Lower Upper

42 100

72 0.0 38.6 58.0#

71 0.0 36.2 54.4#

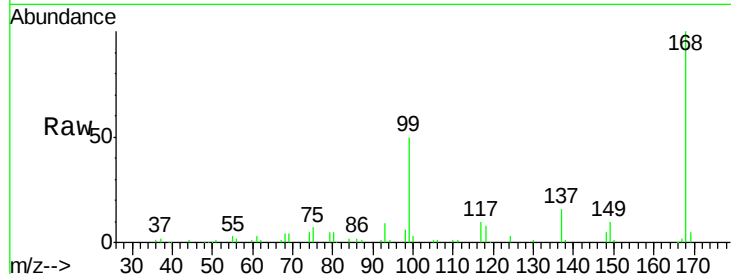




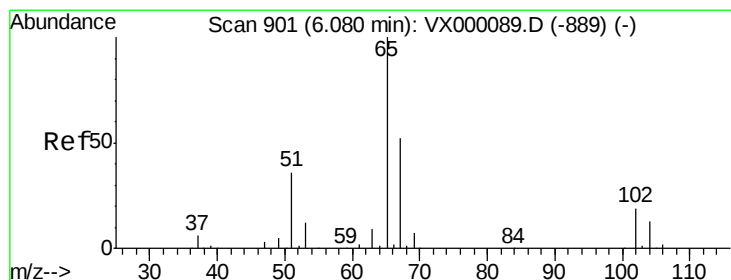
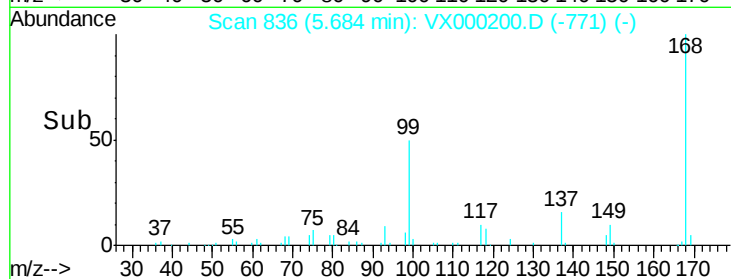
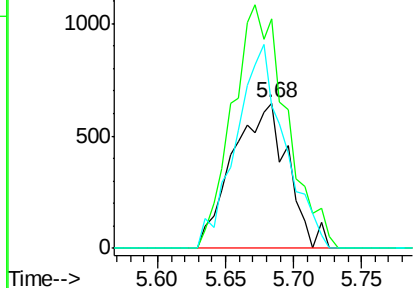
#31
Cyclohexane
Concen: 1.45 ug/l
RT: 5.68 min Scan# 836
Delta R.T. 0.10 min
Lab File: VX000200.D
Acq: 02 Mar 2018 18:59

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 1829
Ion Ratio Lower Upper
56 100
69 158.1 24.9 37.3#
84 97.7 75.0 112.4

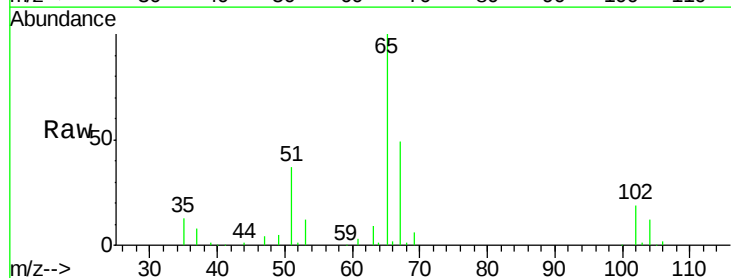


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

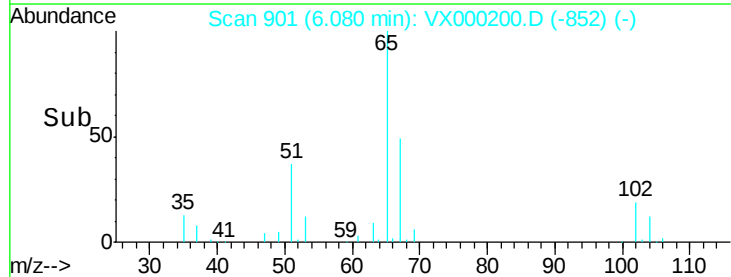
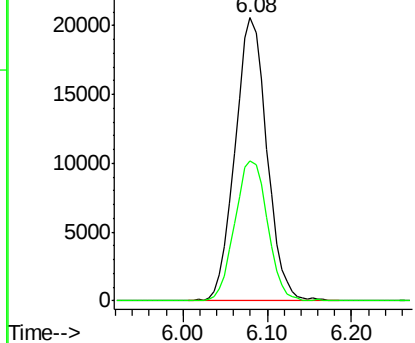


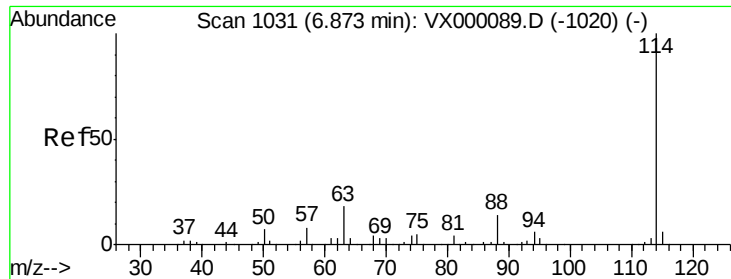
#33
1,2-Dichloroethane-d4
Concen: 52.03 ug/l
RT: 6.08 min Scan# 901
Delta R.T. -0.00 min
Lab File: VX000200.D
Acq: 02 Mar 2018 18:59

Tgt Ion: 65 Resp: 52428
Ion Ratio Lower Upper
65 100
67 50.9 0.0 104.8



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# 1031

Delta R.T. -0.00 min

Lab File: VX000200.D

Acq: 02 Mar 2018 18:59

Instrument :

MSVOA_X

ClientSampleId :

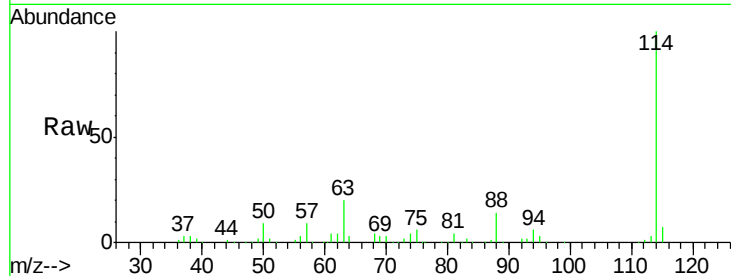
Tot Ion:114 Resp: 131365

Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.4

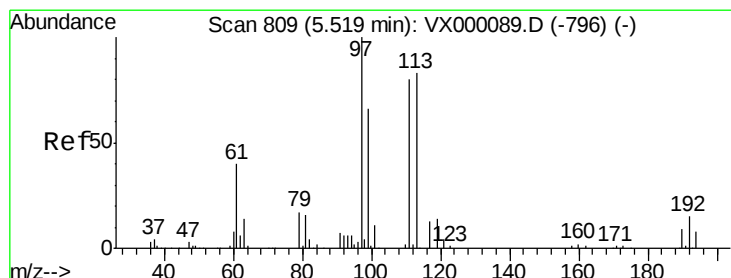
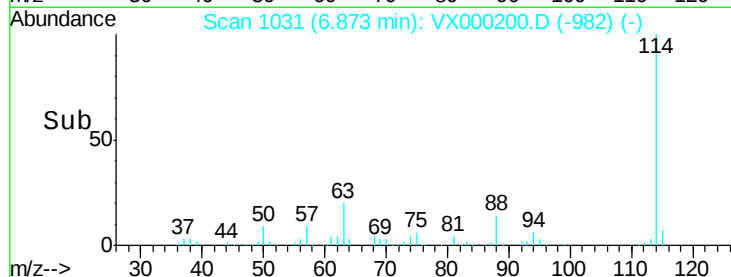
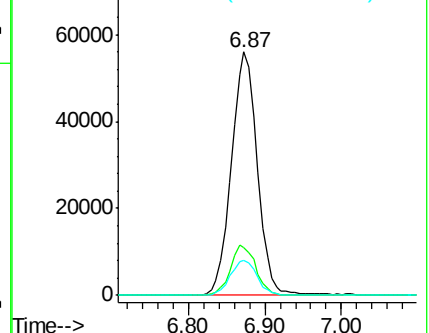
88 14.3 0.0 29.0



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: 47.79 ug/l

RT: 5.52 min Scan# 809

Delta R.T. -0.00 min

Lab File: VX000200.D

Acq: 02 Mar 2018 18:59

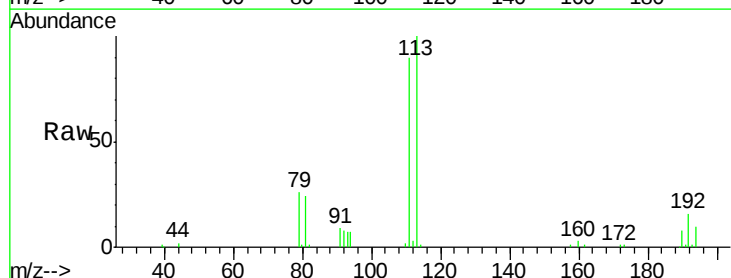
Tgt Ion:113 Resp: 39622

Ion Ratio Lower Upper

113 100

111 101.2 81.0 121.6

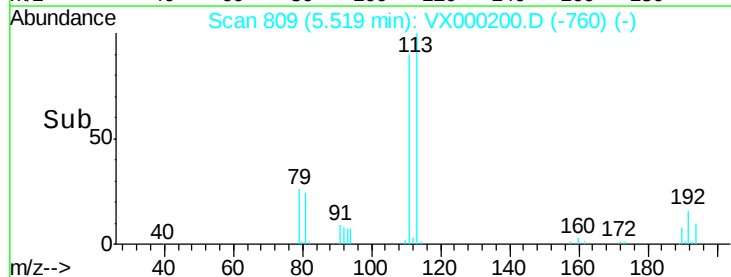
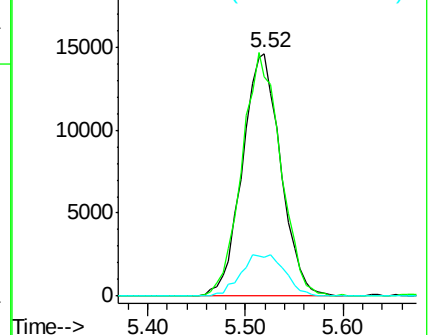
192 19.4 15.7 23.5

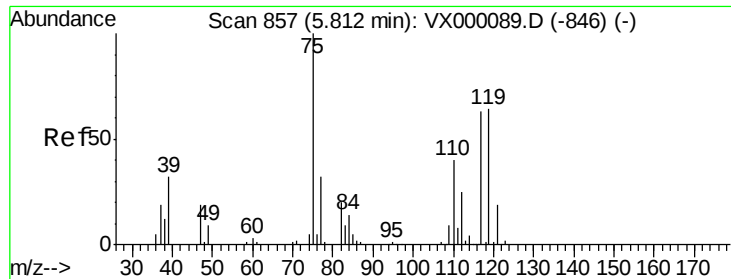


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

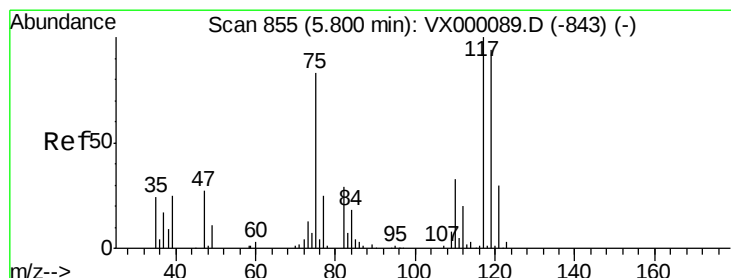
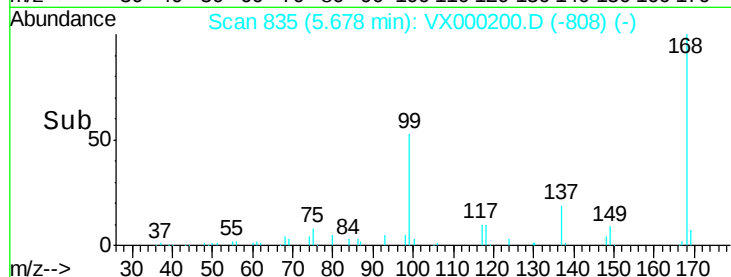
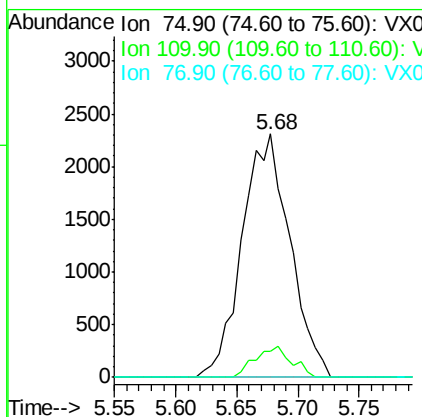
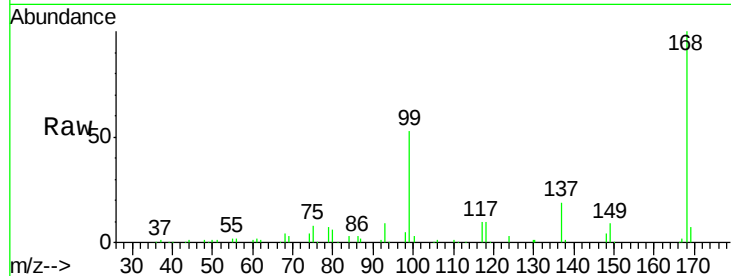




#36
 1,1-Dichloropropene
 Concen: 5.32 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000200.D
 Acq: 02 Mar 2018 18:59

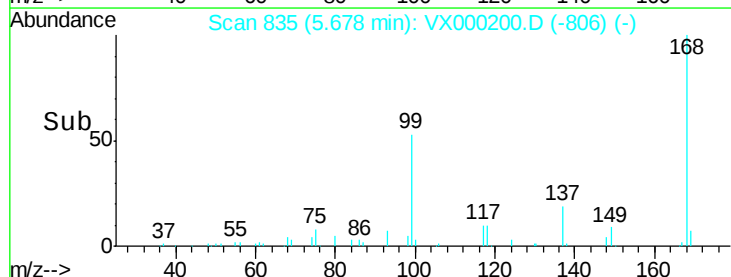
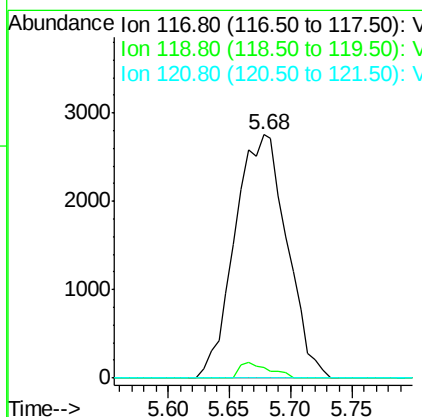
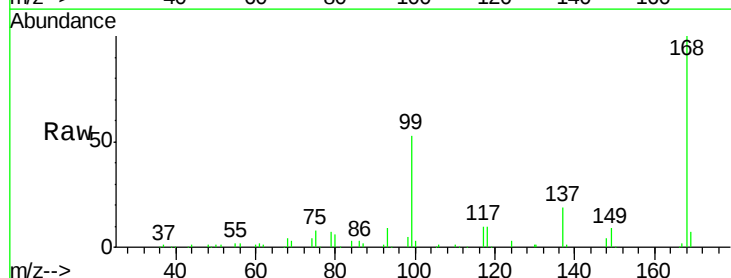
Instrument :
 MSVOA_X
 ClientSampleId :

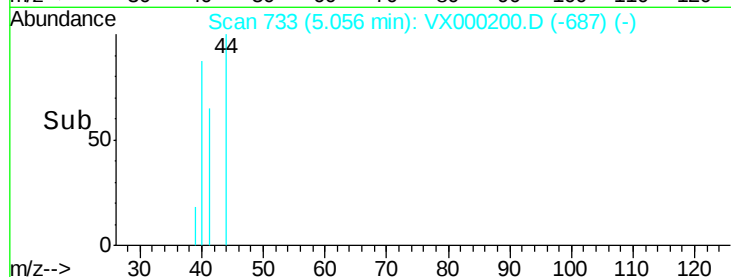
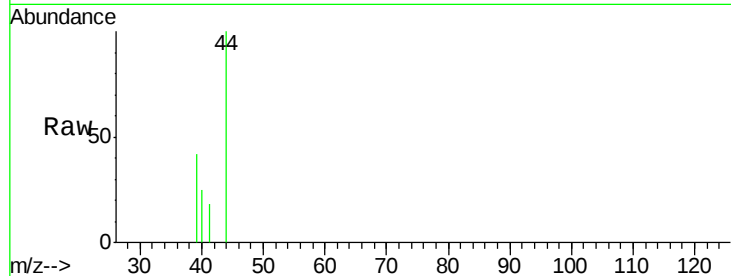
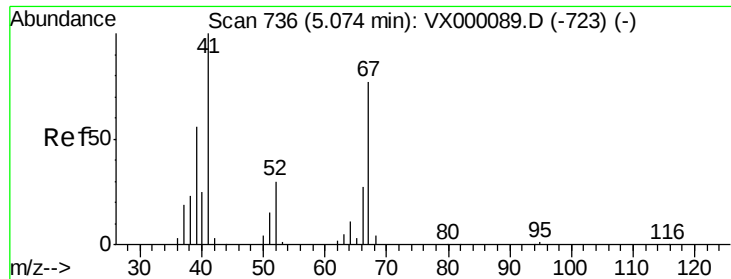
Tot Ion: 75 Resp: 6275
 Ion Ratio Lower Upper
 75 100
 110 9.8 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.39 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000200.D
 Acq: 02 Mar 2018 18:59

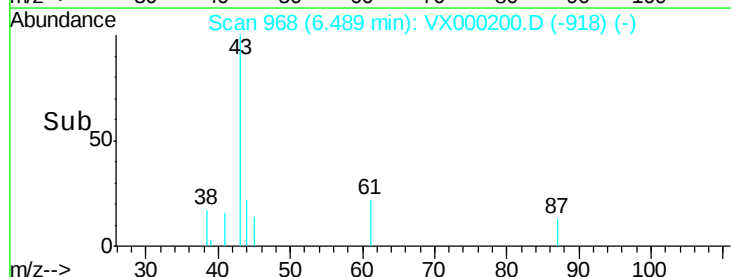
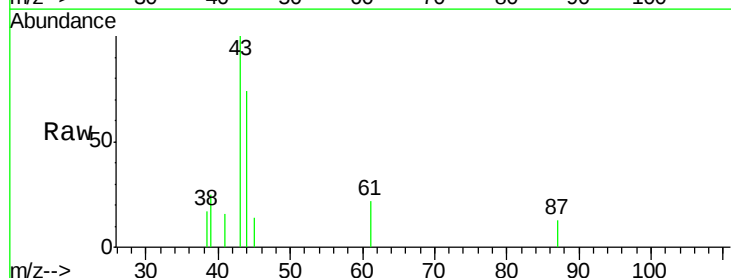
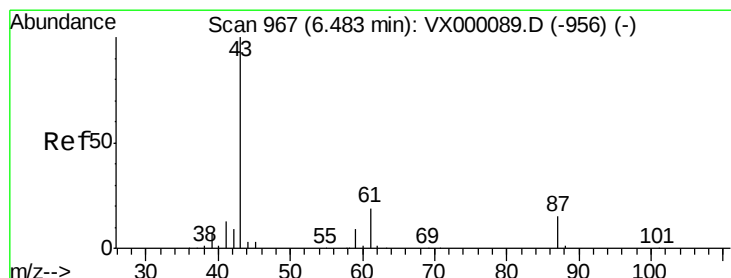
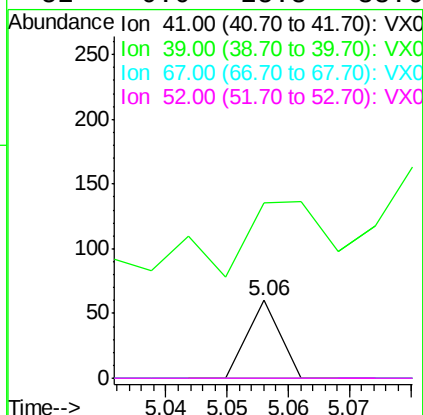
Tgt Ion: 117 Resp: 8136
 Ion Ratio Lower Upper
 117 100
 119 4.2 75.3 112.9#
 121 0.0 23.7 35.5#





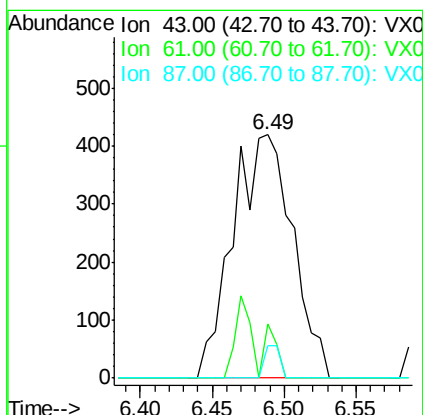
#41
Methacrylonitrile
Concen: Below Cal
RT: 5.06 min Scan# 733
Delta R.T. -0.02 min
Lab File: VX000200.D
Acq: 02 Mar 2018 18:59

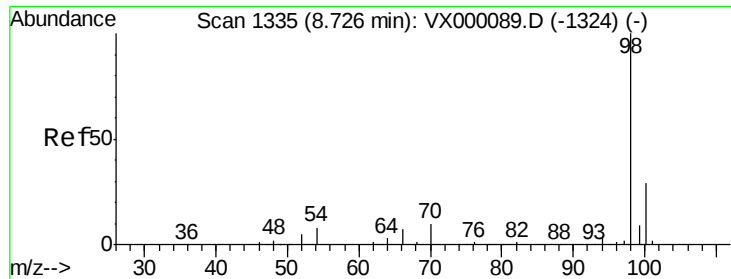
Tot Ion: 41 Resp: 22
Ion Ratio Lower Upper
41 100
39 222.7 45.1 67.7#
67 0.0 61.0 91.4#
52 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 0.52 ug/l
RT: 6.49 min Scan# 968
Delta R.T. 0.01 min
Lab File: VX000200.D
Acq: 02 Mar 2018 18:59

Tgt Ion: 43 Resp: 1211
Ion Ratio Lower Upper
43 100
61 4.5 15.6 23.4#
87 3.4 11.7 17.5#

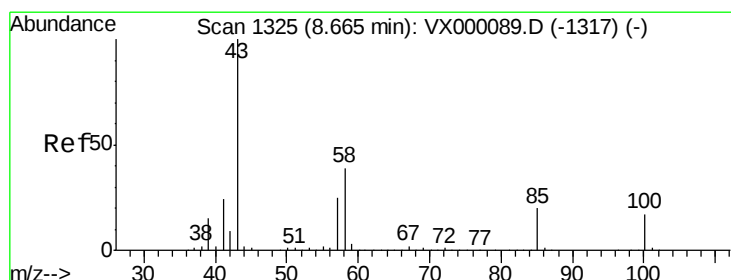
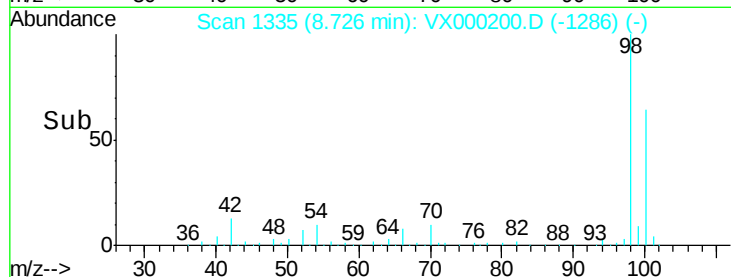
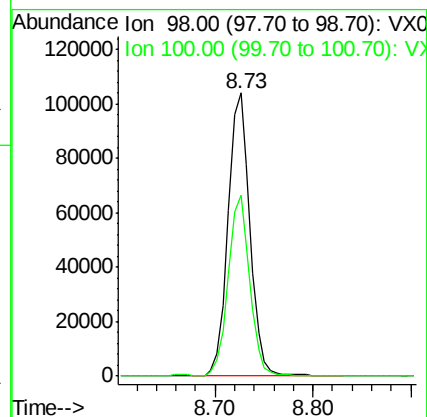
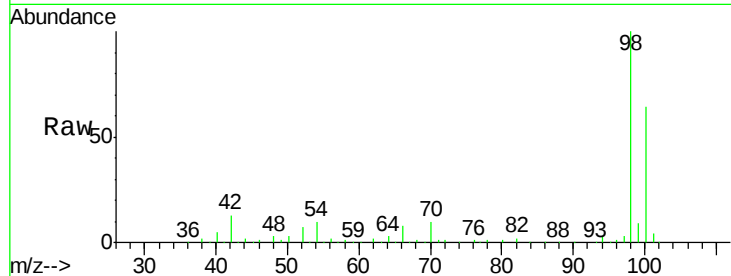




#50
Toluene-d8
Concen: 49.37 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000200.D
Acq: 02 Mar 2018 18:59

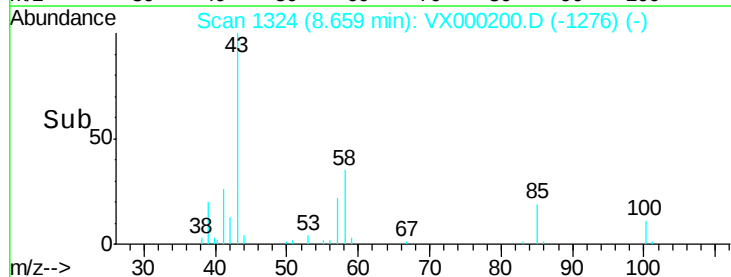
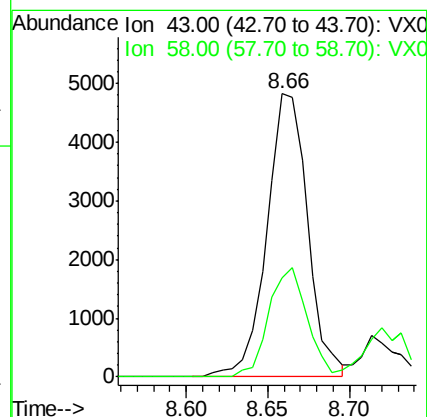
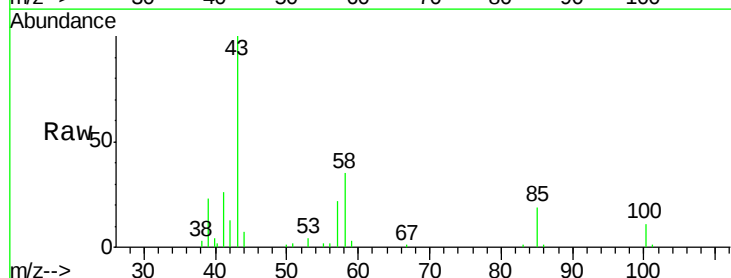
Instrument :
MSVOA_X
ClientSampleId :

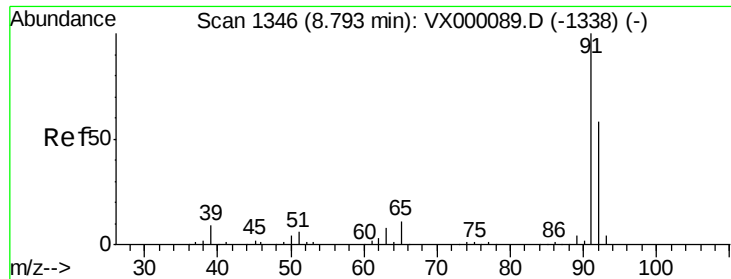
Tot Ion: 98 Resp: 161457
Ion Ratio Lower Upper
98 100
100 62.9 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 4.88 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.01 min
Lab File: VX000200.D
Acq: 02 Mar 2018 18:59

Tgt Ion: 43 Resp: 8331
Ion Ratio Lower Upper
43 100
58 36.2 31.6 47.4





#52

Toluene

Concen: 1.75 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000200.D

Acq: 02 Mar 2018 18:59

Instrument :

MSVOA_X

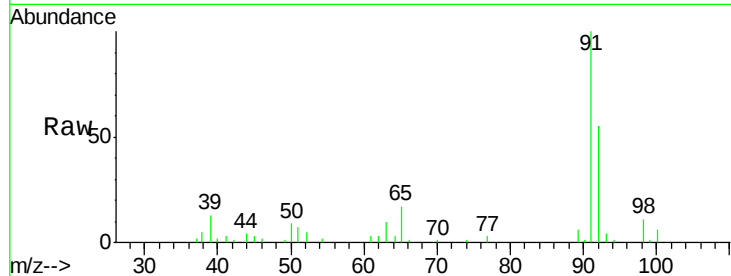
ClientSampled :

Tot Ion: 92 Resp: 3928

Ion Ratio Lower Upper

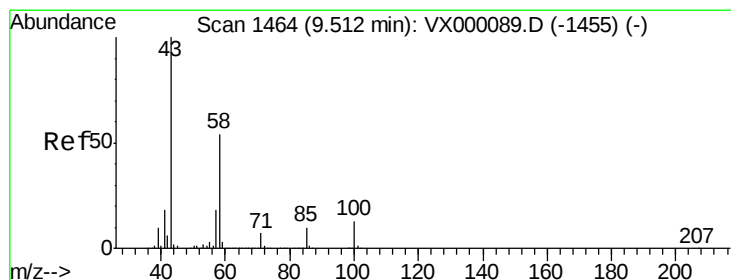
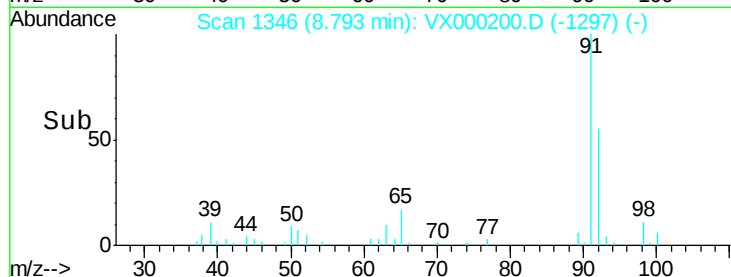
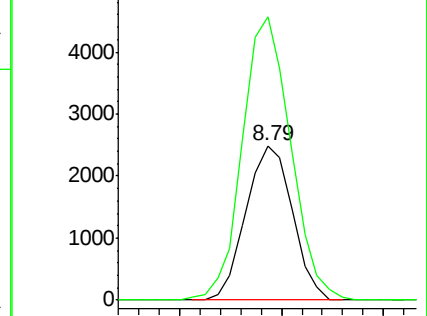
92 100

91 190.8 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#59

2-Hexanone

Concen: 0.20 ug/l

RT: 9.56 min Scan# 1471

Delta R.T. 0.04 min

Lab File: VX000200.D

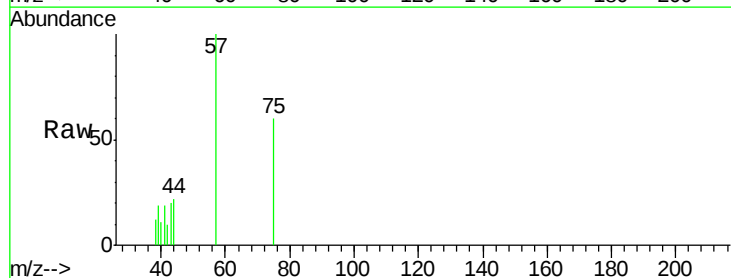
Acq: 02 Mar 2018 18:59

Tgt Ion: 43 Resp: 295

Ion Ratio Lower Upper

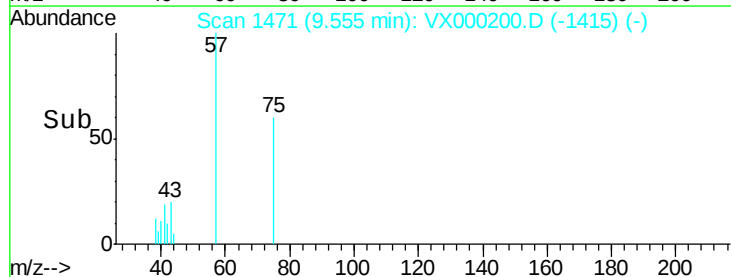
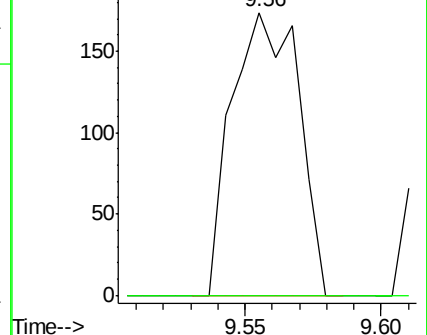
43 100

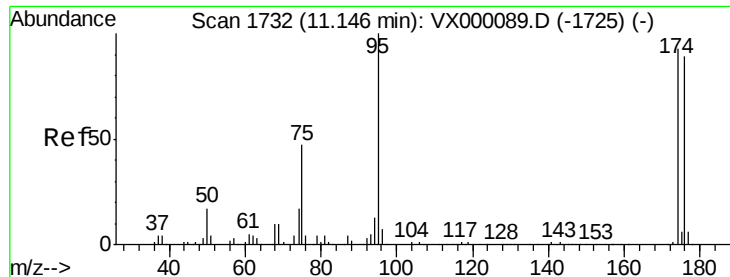
58 0.0 27.1 81.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 43.41 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000200.D

Acq: 02 Mar 2018 18:59

Instrument :

MSVOA_X

ClientSampleId :

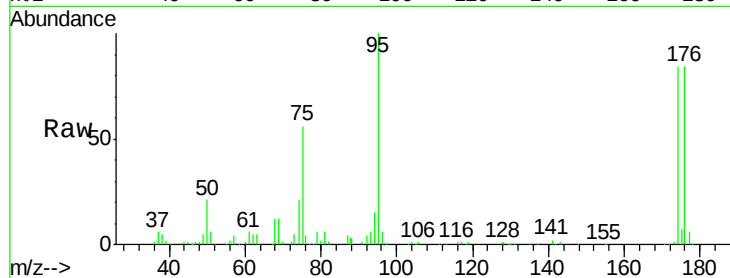
Tot Ion: 95 Resp: 55671

Ion Ratio Lower Upper

95 100

174 86.0 0.0 187.8

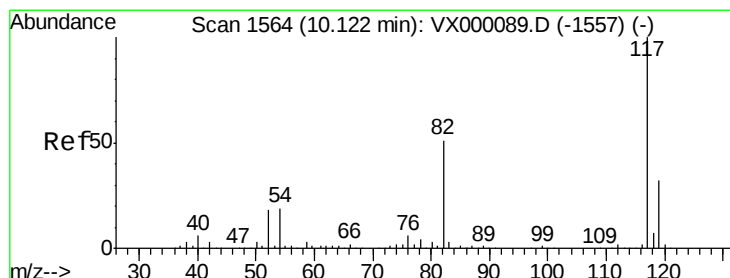
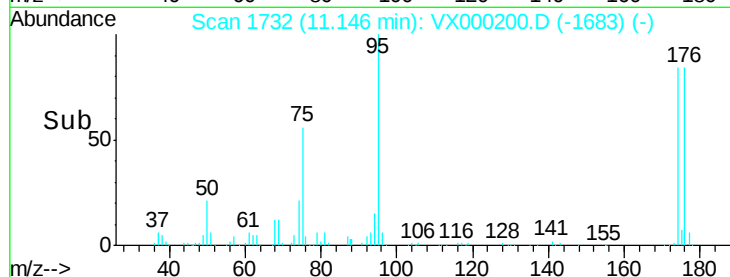
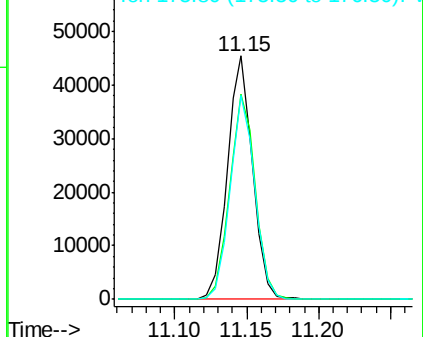
176 82.9 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VX000089.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000089.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000089.D (-1725) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000200.D

Acq: 02 Mar 2018 18:59

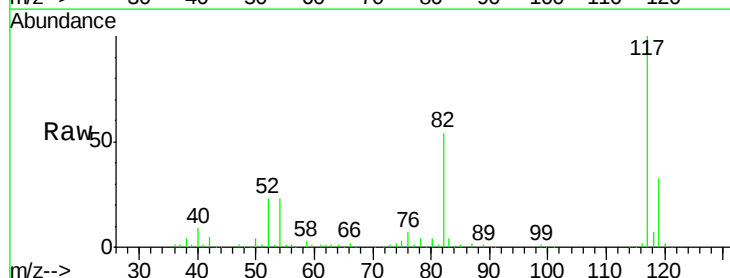
Tgt Ion: 117 Resp: 120403

Ion Ratio Lower Upper

117 100

82 54.2 41.0 61.6

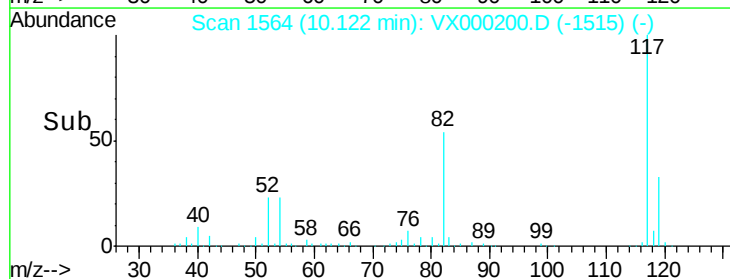
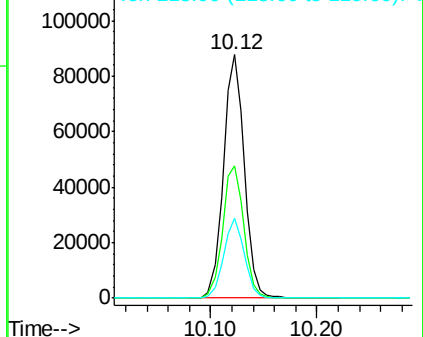
119 32.6 25.5 38.3

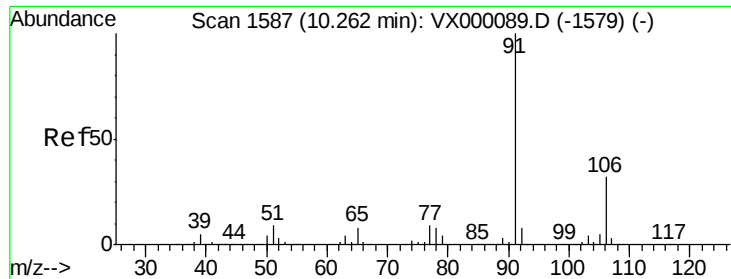


Abundance Ion 116.90 (116.60 to 117.60): VX000089.D (-1557) (-)

Ion 82.00 (81.70 to 82.70): VX000089.D (-1557) (-)

Ion 118.90 (118.60 to 119.60): VX000089.D (-1557) (-)

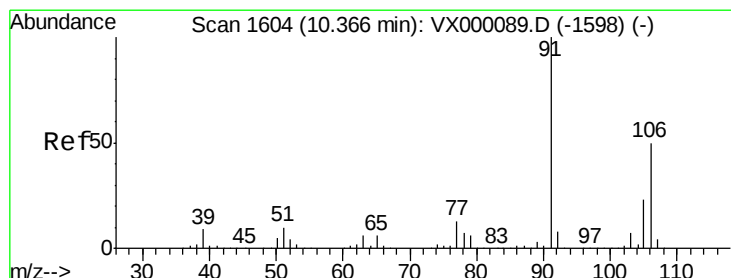
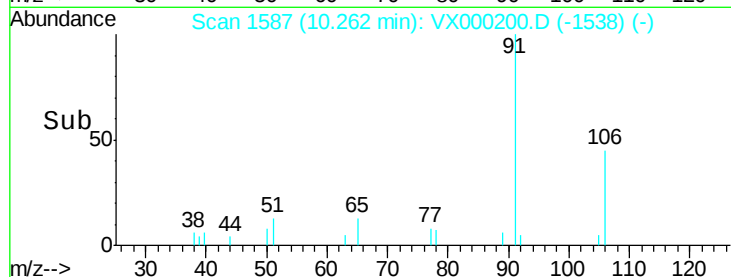
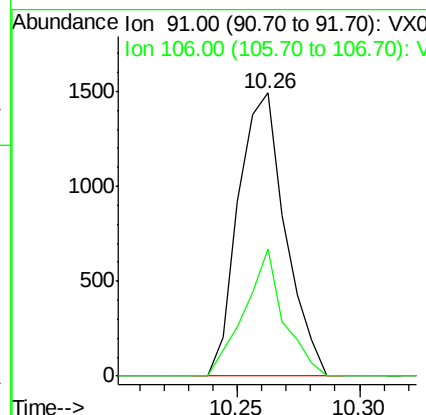
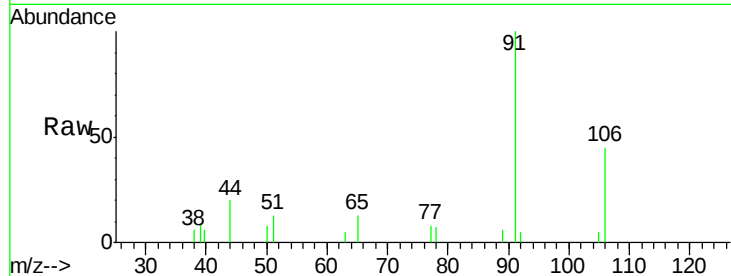




#67
Ethyl Benzene
Concen: 0.47 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VX000200.D
Acq: 02 Mar 2018 18:59

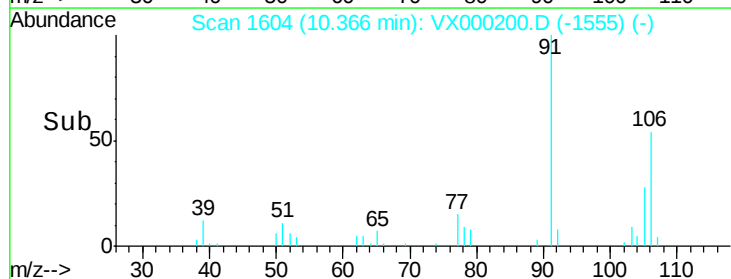
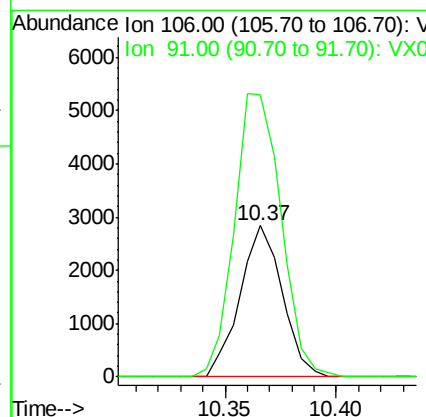
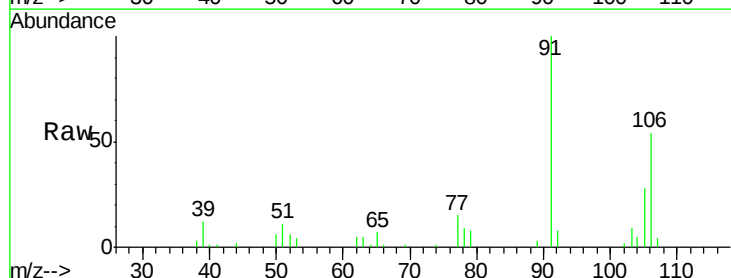
Instrument :
MSVOA_X
ClientSampled :

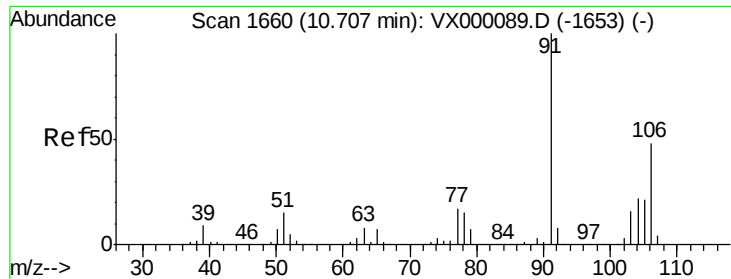
Tot Ion: 91 Resp: 1996
Ion Ratio Lower Upper
91 100
106 44.9 25.8 38.6#



#68
m/p-Xylenes
Concen: 2.23 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000200.D
Acq: 02 Mar 2018 18:59

Tgt Ion: 106 Resp: 3770
Ion Ratio Lower Upper
106 100
91 205.9 159.1 238.7

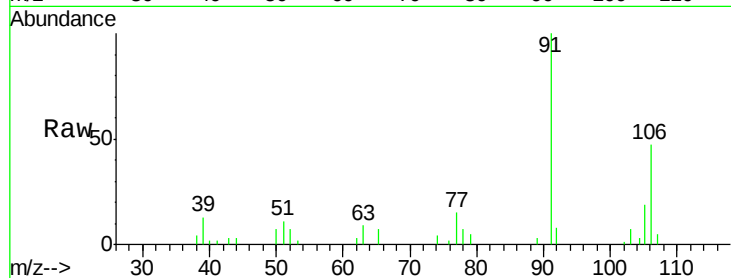




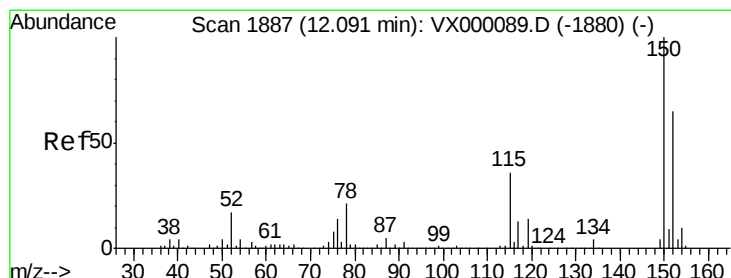
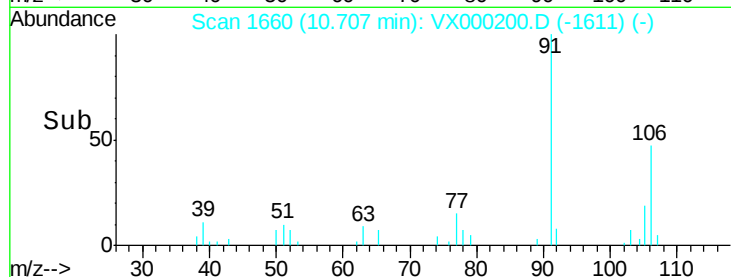
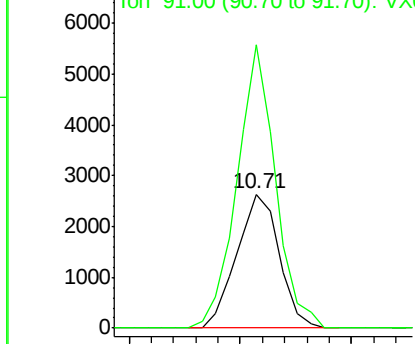
#69
o-Xylene
Concen: 2.15 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000200.D
Acq: 02 Mar 2018 18:59

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 3499
Ion Ratio Lower Upper
106 100
91 191.2 103.8 311.6

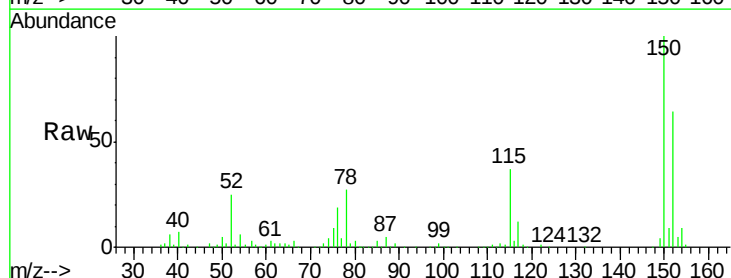


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

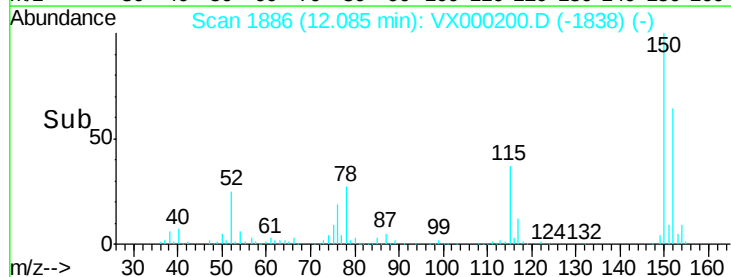
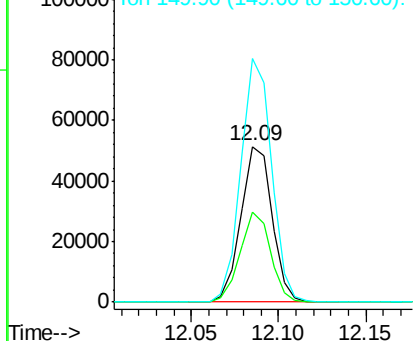


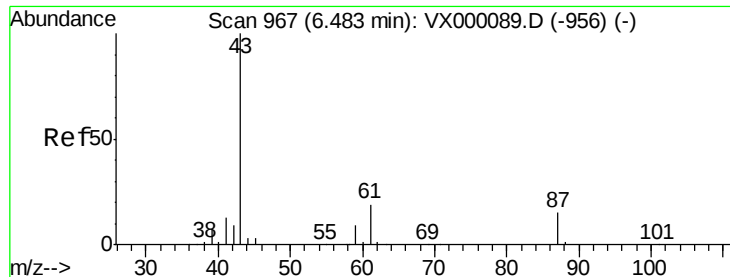
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000200.D
Acq: 02 Mar 2018 18:59

Tgt Ion:152 Resp: 64050
Ion Ratio Lower Upper
152 100
115 56.2 39.1 117.2
150 153.8 0.0 348.2



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





#74

N-amvl acetate

Concen: 0.59 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000200.D

Acq: 02 Mar 2018 18:59

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1211

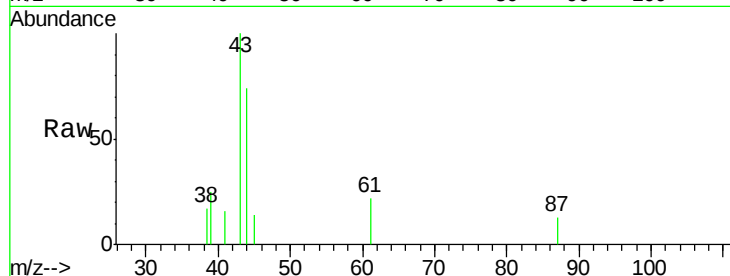
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 4.5 15.6 23.4#

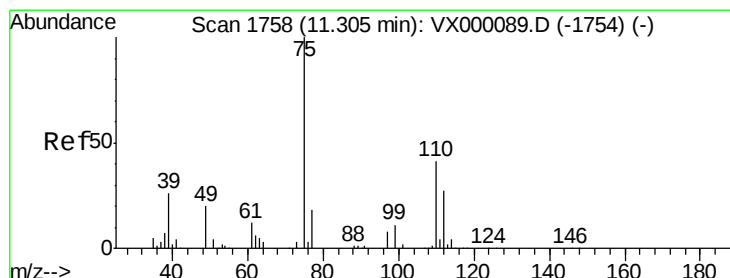
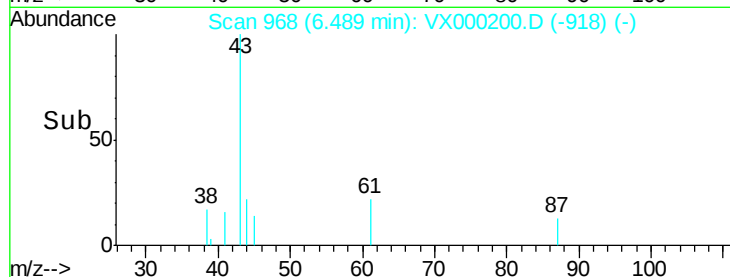
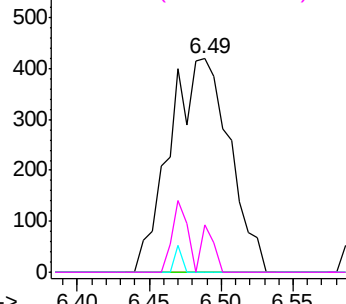


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.88 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000200.D

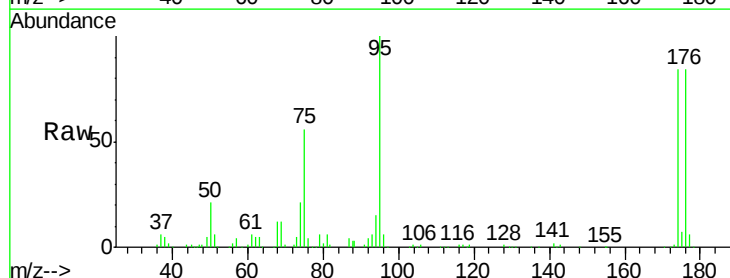
Acq: 02 Mar 2018 18:59

Tgt Ion: 75 Resp: 31678

Ion Ratio Lower Upper

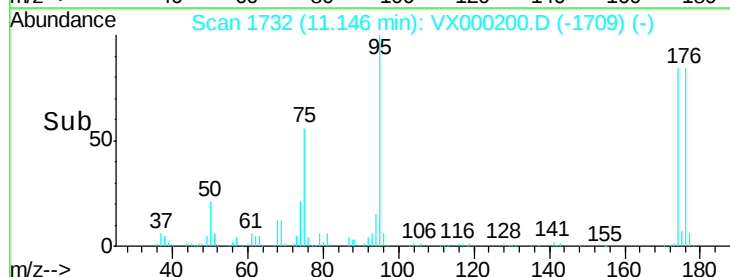
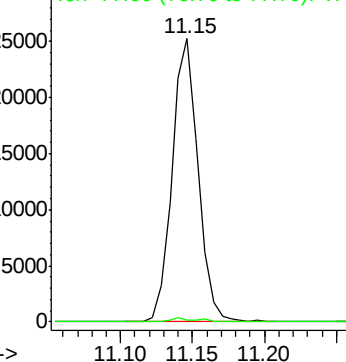
75 100

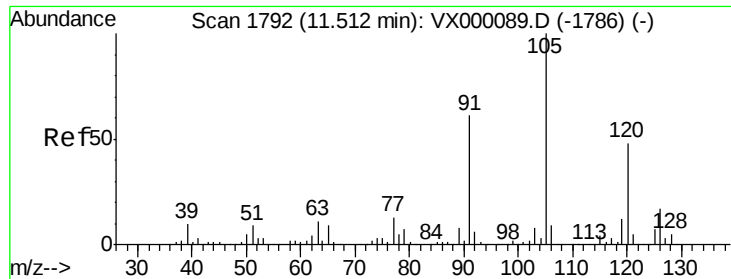
77 1.2 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

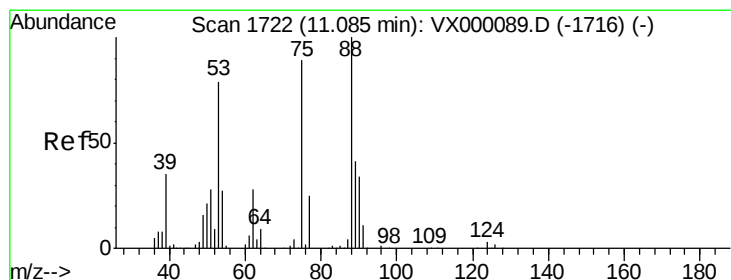
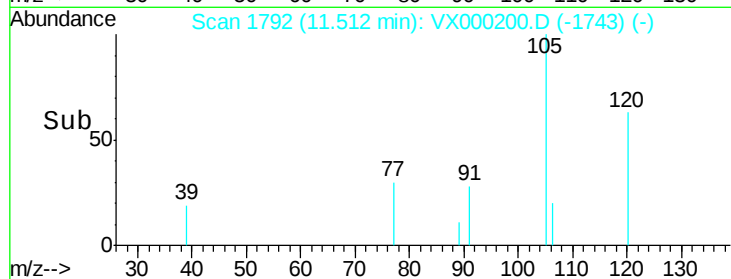
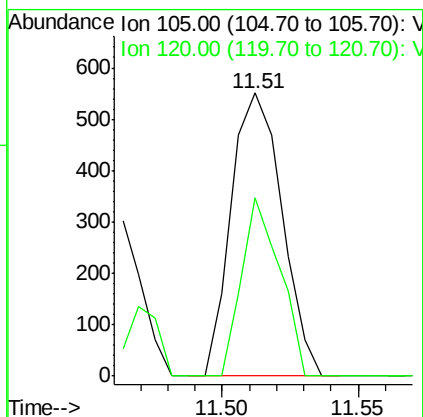
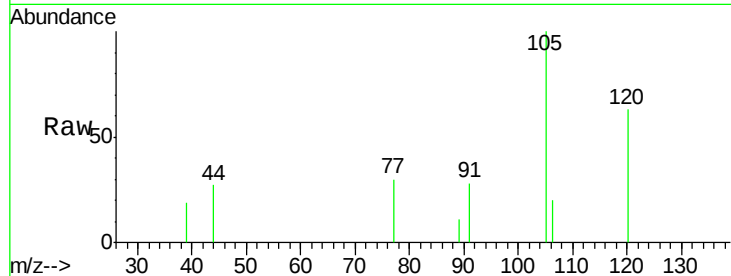




#80
 1,3,5-Trimethylbenzene
 Concen: 0.21 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX000200.D
 Acq: 02 Mar 2018 18:59

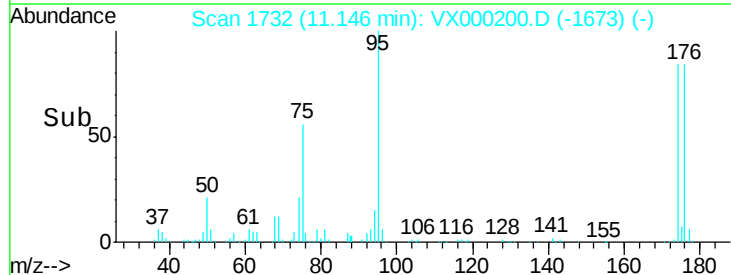
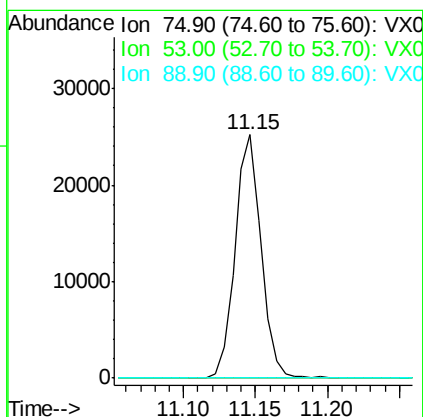
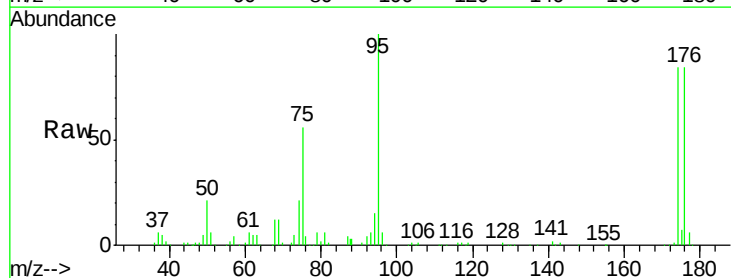
Instrument :
 MSVOA_X
 ClientSampleId :

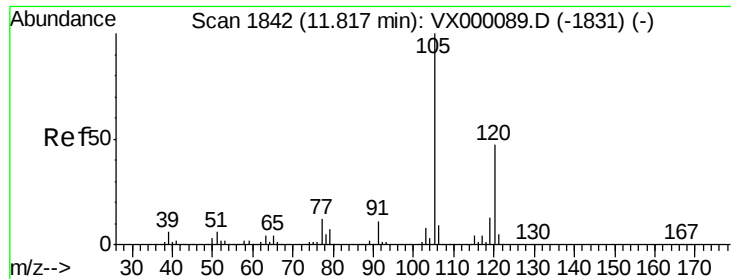
Tot Ion:105 Resp: 713
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.00 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000200.D
 Acq: 02 Mar 2018 18:59

Tgt Ion: 75 Resp: 31678
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.3 108.5#
 89 0.0 40.6 60.8#

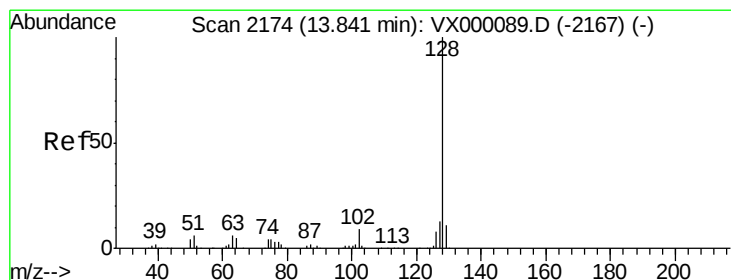
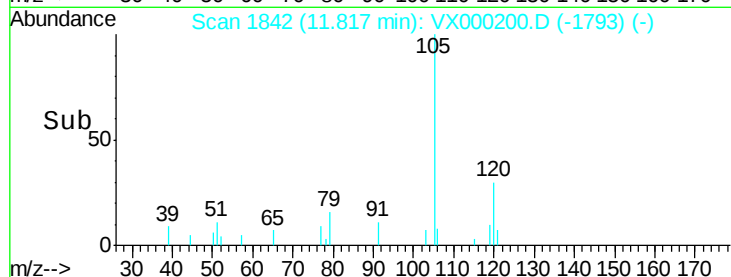
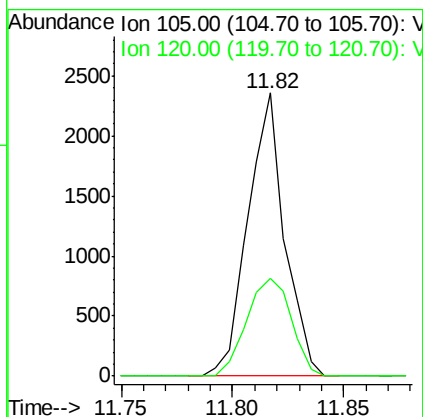
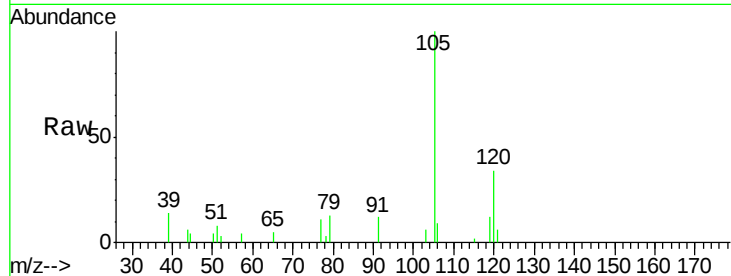




#84
1,2,4-Trimethylbenzene
Concen: 0.76 ug/l
RT: 11.82 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX000200.D
Acq: 02 Mar 2018 18:59

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:105 Resp: 2714
Ion Ratio Lower Upper
105 100
120 41.9 23.1 69.2



#95
Naphthalene
Concen: 49.93 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000200.D
Acq: 02 Mar 2018 18:59

Tgt Ion:128 Resp: 263844
Ion Ratio Lower Upper
128 100
127 13.7 10.4 15.6
129 11.0 8.7 13.1

