

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030218\
 Data File : VX000195.D
 Acq On : 02 Mar 2018 16:52
 Operator : JC/MD
 Sample : J1767-02 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 03 04:42:14 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	100240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	159741	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	153539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	80523	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	64285	51.35	ug/l	0.00
Spiked Amount						
			Recovery	=	102.70%	
35) Dibromofluoromethane	5.52	113	47130	46.75	ug/l	0.00
Spiked Amount						
			Recovery	=	93.50%	
50) Toluene-d8	8.73	98	198174	49.83	ug/l	0.00
Spiked Amount						
			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	11.15	95	71725	46.00	ug/l	0.00
Spiked Amount						
			Recovery	=	92.00%	

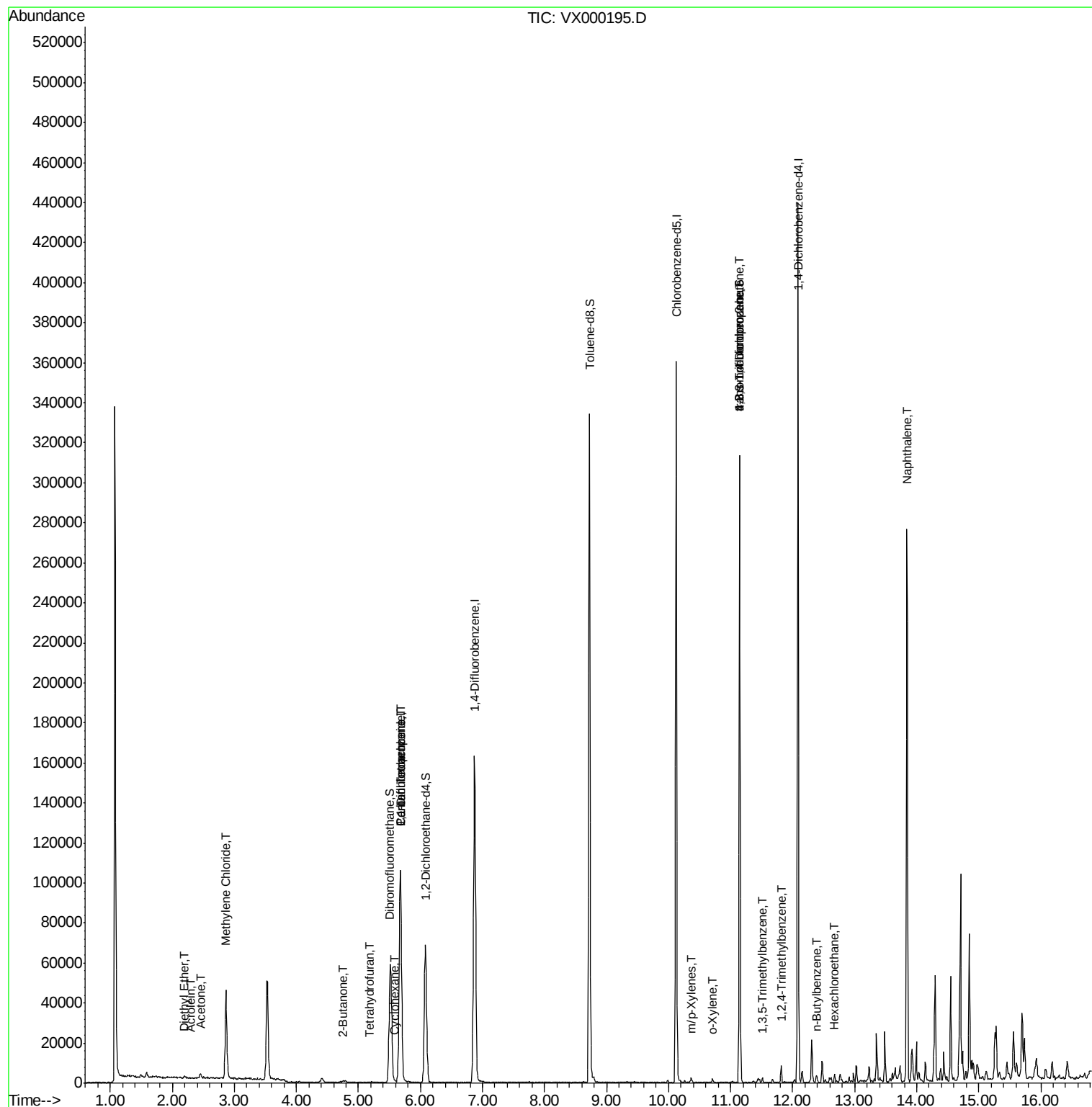
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	31	Below Cal	#	3
8) Diethyl Ether	2.20	74	144	0.21	ug/l #	1
13) Acrolein	2.29	56	49	0.21	ug/l #	1
16) Acetone	2.45	43	3105	3.82	ug/l #	68
20) Methylene Chloride	2.86	84	18545	16.83	ug/l	91
25) 2-Butanone	4.75	43	525	0.46	ug/l #	48
29) Tetrahydrofuran	5.18	42	188	0.25	ug/l #	59
31) Cyclohexane	5.58	56	416	0.27	ug/l #	54
36) 1,1-Dichloropropene	5.67	75	8043	5.61	ug/l #	49
38) Carbon Tetrachloride	5.67	117	9750	6.30	ug/l #	17
41) Methacrylonitrile	5.18	41	216	Below Cal	#	28
68) m/p-Xylenes	10.37	106	733	0.34	ug/l	94
69) o-Xylene	10.71	106	467	0.22	ug/l	87
76) 1,2,3-Trichloropropane	11.15	75	39876	23.91	ug/l #	33
80) 1,3,5-Trimethylbenzene	11.51	105	1203	0.28	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.15	75	39876	68.09	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.82	105	3572	0.80	ug/l	94
89) n-Butylbenzene	12.39	91	1056	0.23	ug/l #	68
90) Hexachloroethane	12.68	117	234	0.30	ug/l #	8
95) Naphthalene	13.84	128	155326	23.38	ug/l	99

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

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030218\
Data File : VX000195.D
Acq On : 02 Mar 2018 16:52
Operator : JC/MD
Sample : J1767-02 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Mar 03 04:42:14 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000195.D

Acq: 02 Mar 2018 16:52

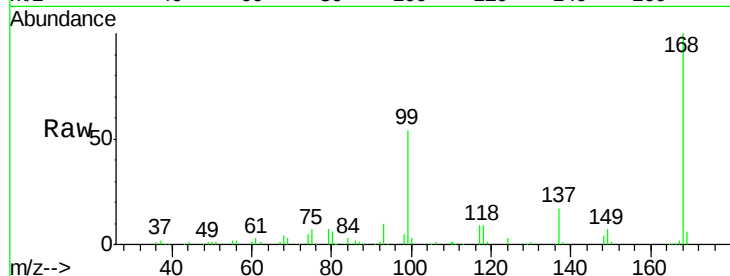
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 100240

Ion Ratio Lower Upper

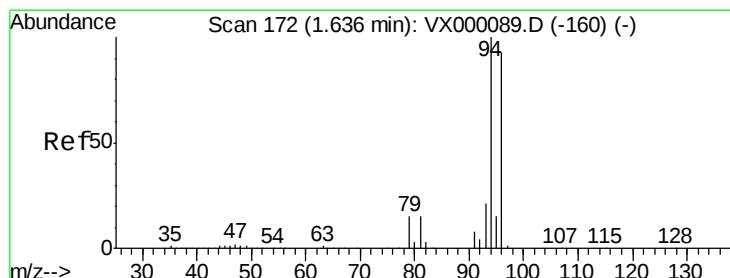
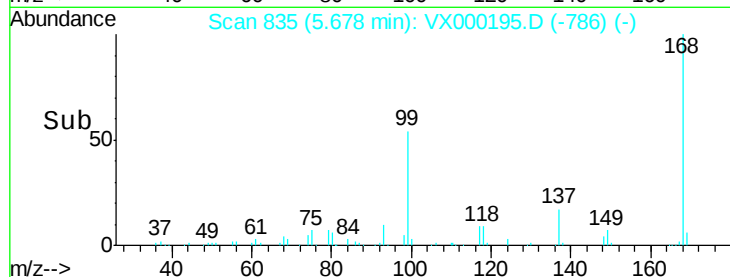
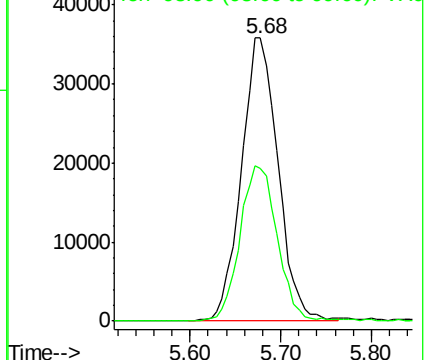
168 100

99 54.2 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX000195.D

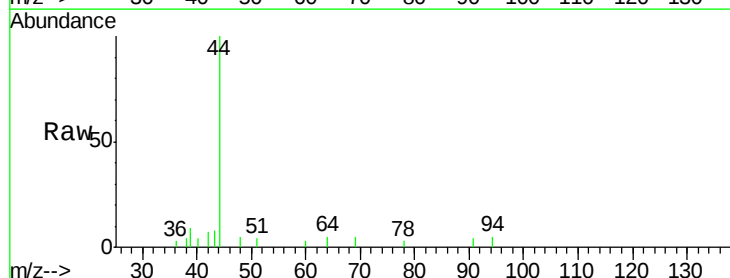
Acq: 02 Mar 2018 16:52

Tgt Ion: 94 Resp: 31

Ion Ratio Lower Upper

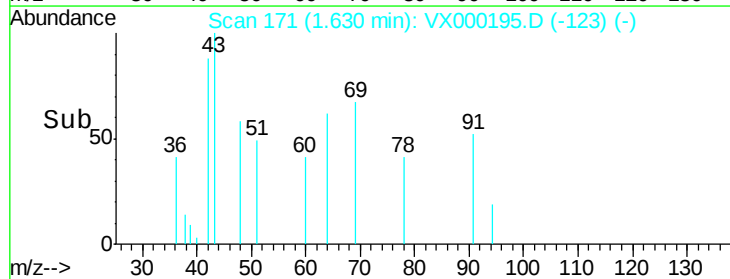
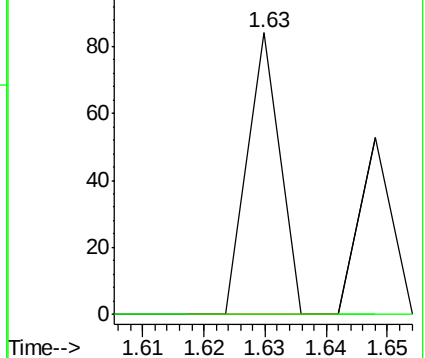
94 100

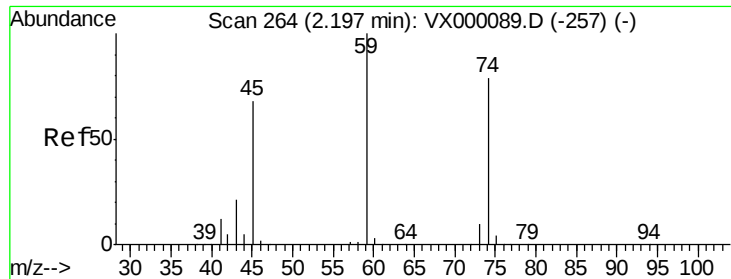
96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

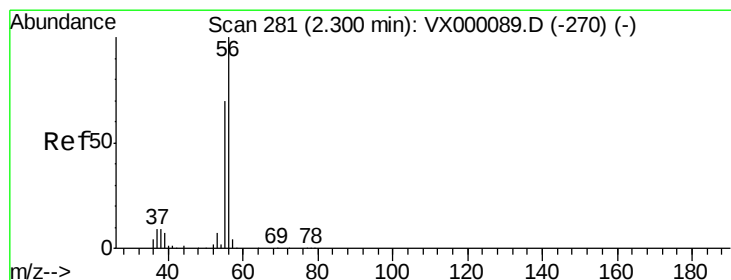
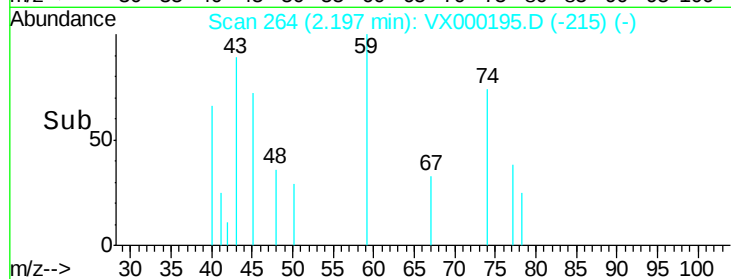
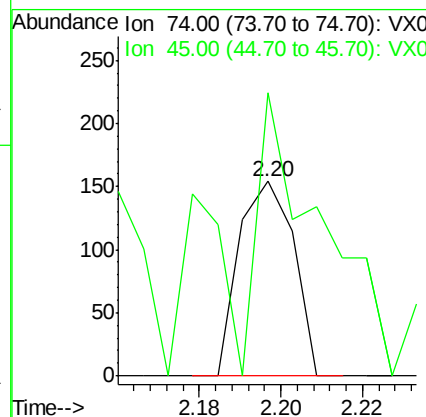
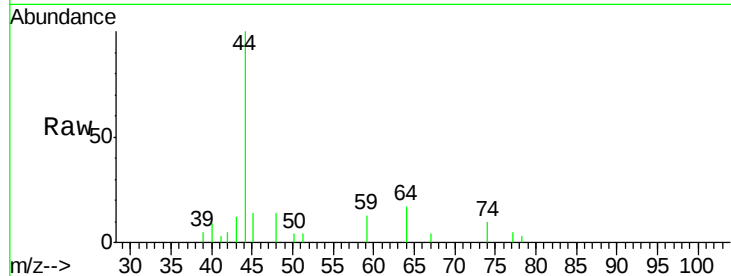




#8
 Diethyl Ether
 Concen: 0.21 ug/l
 RT: 2.20 min Scan# 264
 Delta R.T. -0.00 min
 Lab File: VX000195.D
 Acq: 02 Mar 2018 16:52

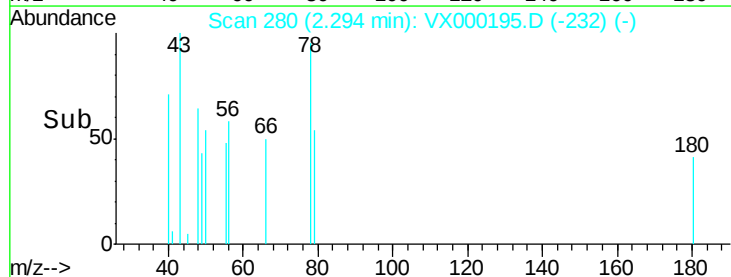
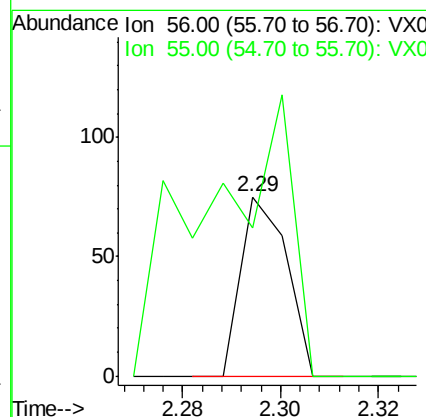
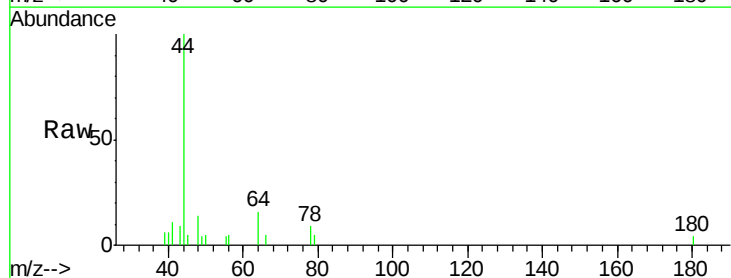
Instrument :
 MSVOA_X
 ClientSampled :

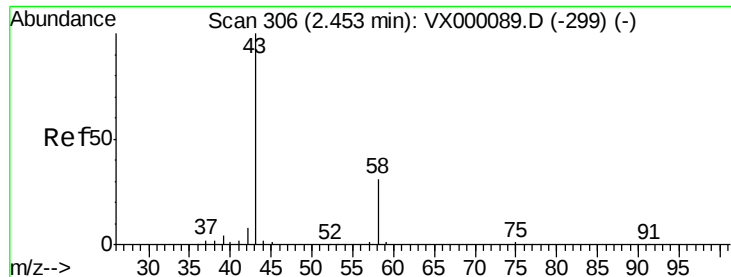
Tot Ion: 74 Resp: 144
 Ion Ratio Lower Upper
 74 100
 45 184.0 44.7 134.1#



#13
 Acrolein
 Concen: 0.21 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. -0.01 min
 Lab File: VX000195.D
 Acq: 02 Mar 2018 16:52

Tgt Ion: 56 Resp: 49
 Ion Ratio Lower Upper
 56 100
 55 300.0 56.2 84.4#





#16

Acetone

Concen: 3.82 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000195.D

Acq: 02 Mar 2018 16:52

Instrument :

MSVOA_X

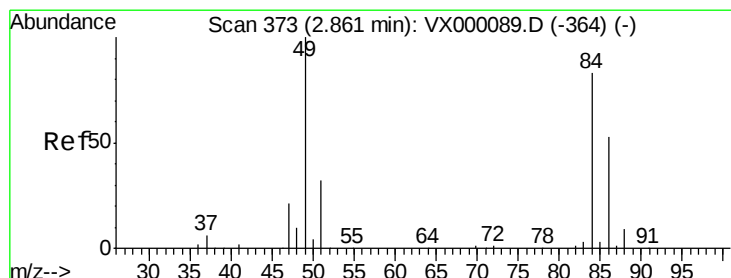
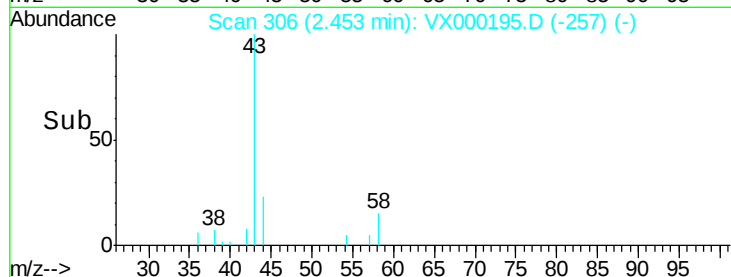
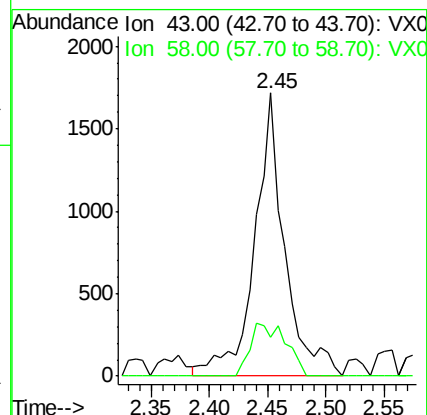
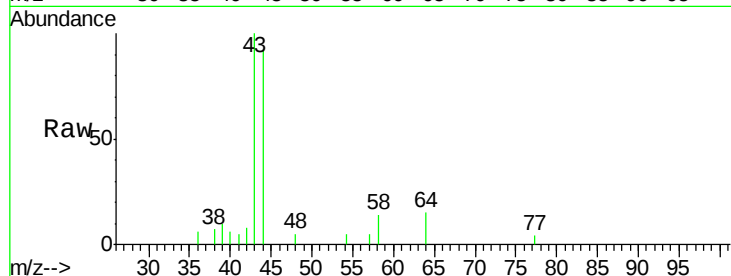
ClientSampleId :

Tot Ion: 43 Resp: 3105

Ion Ratio Lower Upper

43 100

58 13.8 25.0 37.4#



#20

Methylene Chloride

Concen: 16.83 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX000195.D

Acq: 02 Mar 2018 16:52

Tgt Ion: 84 Resp: 18545

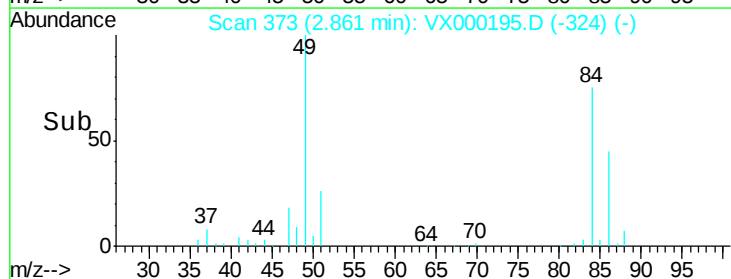
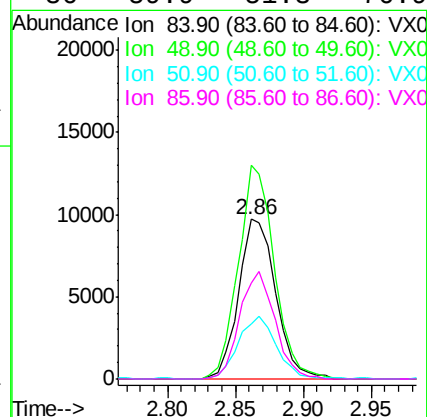
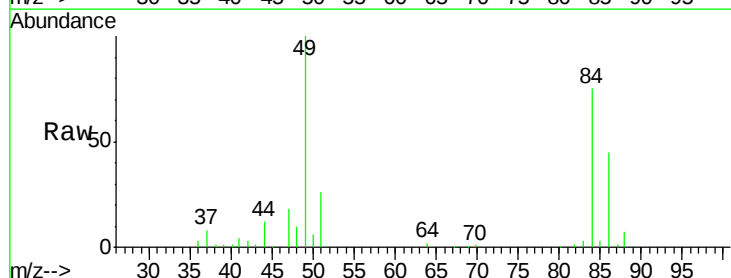
Ion Ratio Lower Upper

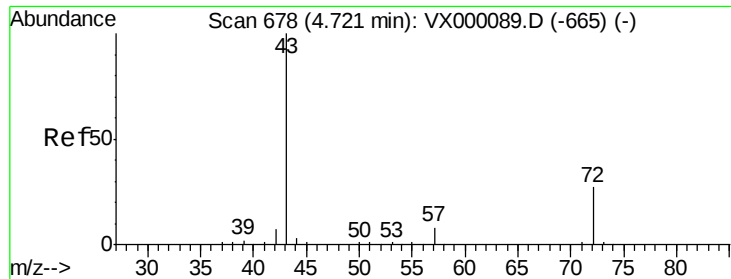
84 100

49 133.6 96.1 144.1

51 34.3 30.5 45.7

86 59.9 51.3 76.9

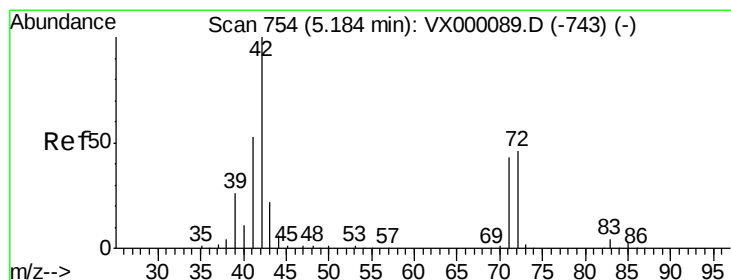
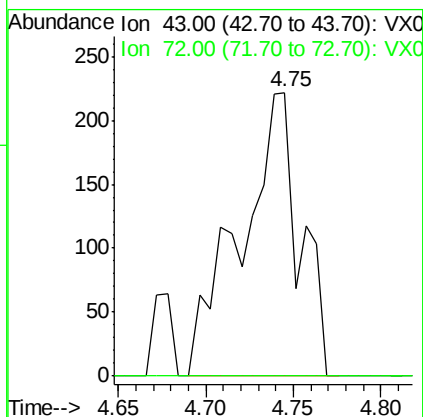
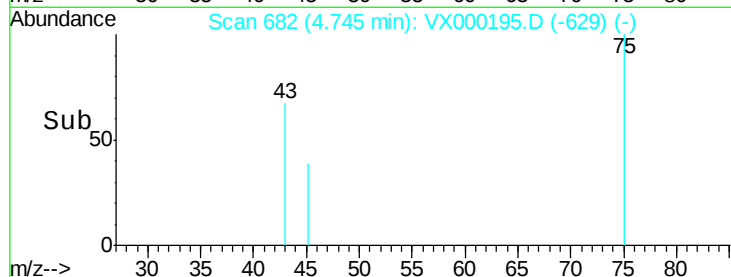
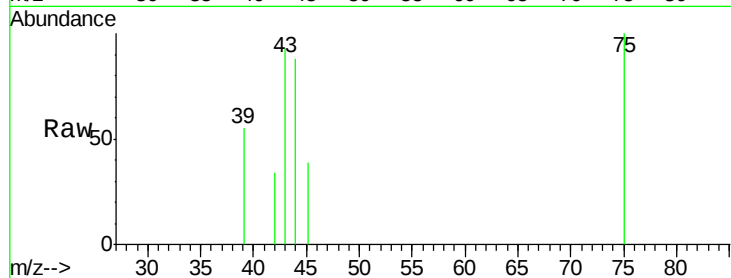




#25
2-Butanone
Concen: 0.46 ug/l
RT: 4.75 min Scan# 682
Delta R.T. 0.02 min
Lab File: VX000195.D
Acq: 02 Mar 2018 16:52

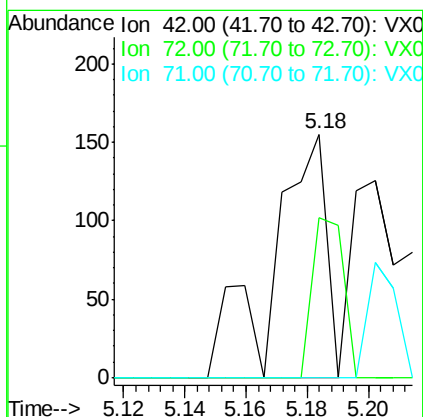
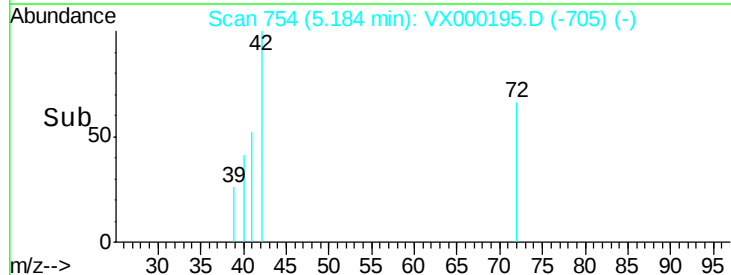
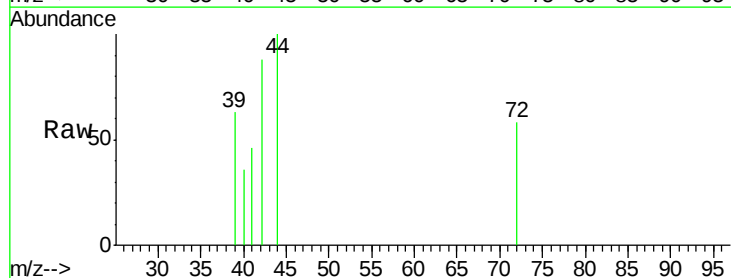
Instrument :
MSVOA_X
ClientSampleId :

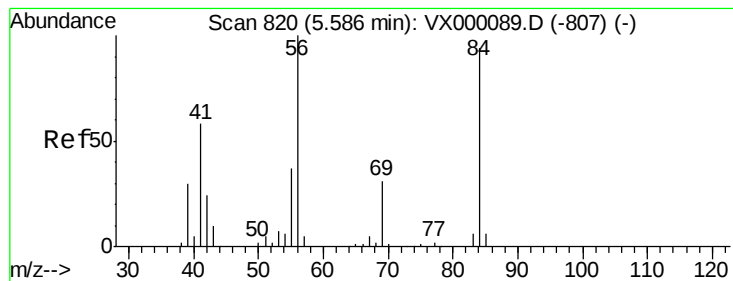
Tot Ion: 43 Resp: 525
Ion Ratio Lower Upper
43 100
72 0.0 21.3 31.9#



#29
Tetrahydrofuran
Concen: 0.25 ug/l
RT: 5.18 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX000195.D
Acq: 02 Mar 2018 16:52

Tgt Ion: 42 Resp: 188
Ion Ratio Lower Upper
42 100
72 38.8 38.6 58.0
71 0.0 36.2 54.4#





#31

Cvclohexane

Concen: 0.27 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX000195.D

Acq: 02 Mar 2018 16:52

Instrument :
MSVOA_X
ClientSampleId :

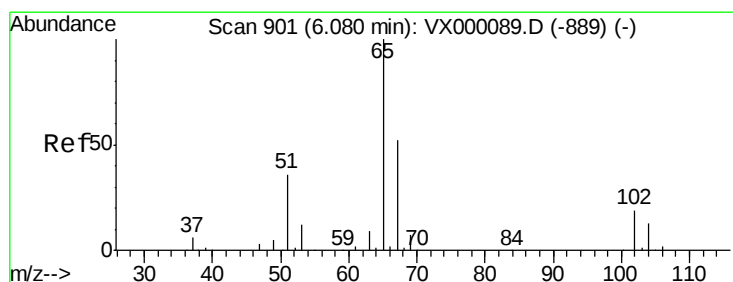
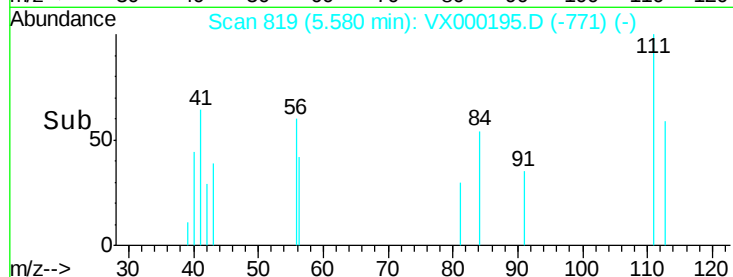
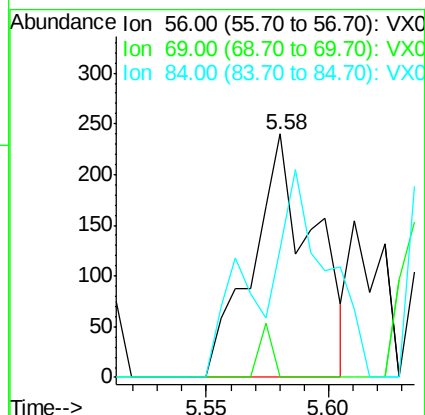
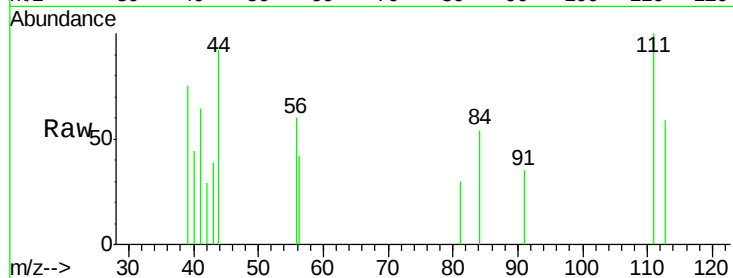
Tot Ion: 56 Resp: 416

Ion Ratio Lower Upper

56 100

69 0.0 24.9 37.3#

84 52.9 75.0 112.4#



#33

1,2-Dichloroethane-d4

Concen: 51.35 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000195.D

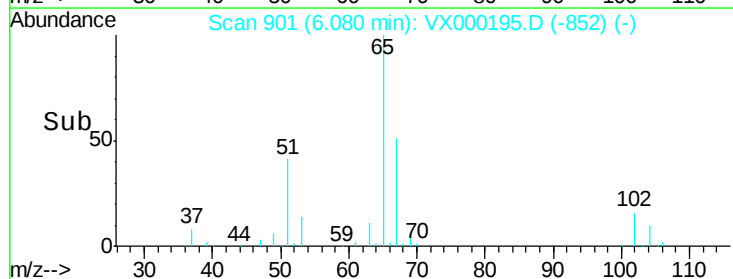
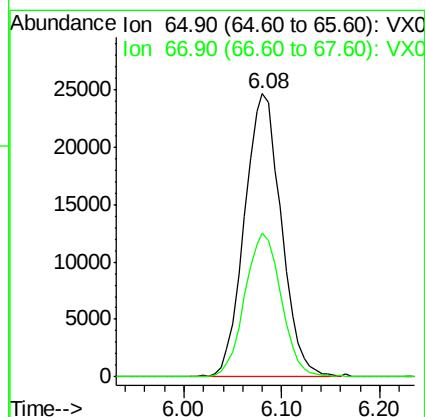
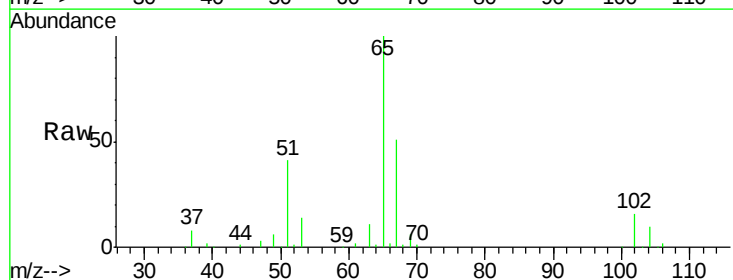
Acq: 02 Mar 2018 16:52

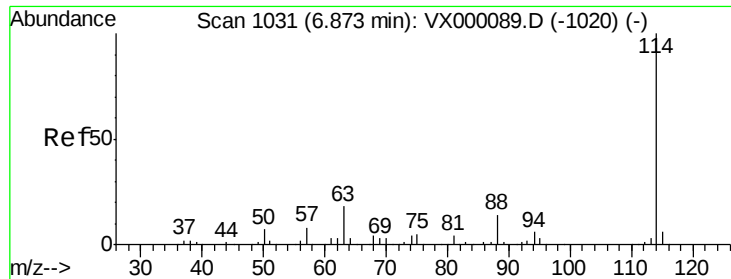
Tgt Ion: 65 Resp: 64285

Ion Ratio Lower Upper

65 100

67 50.2 0.0 104.8

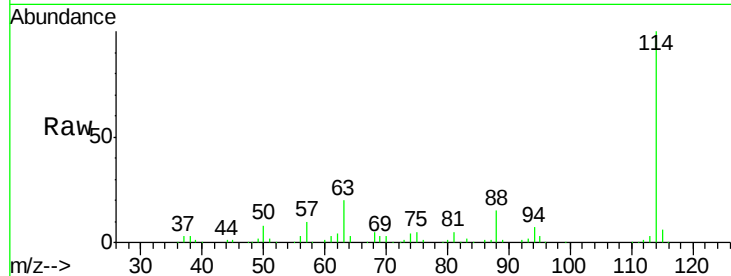




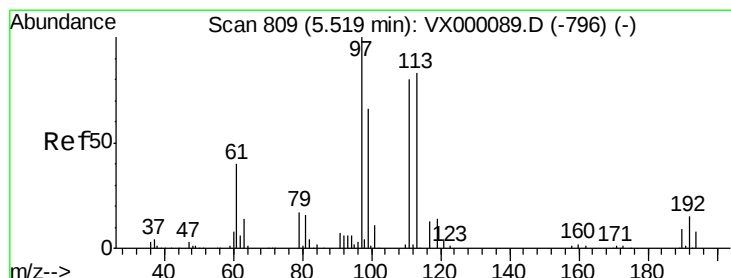
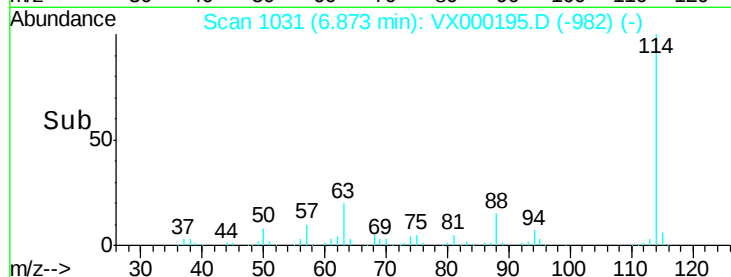
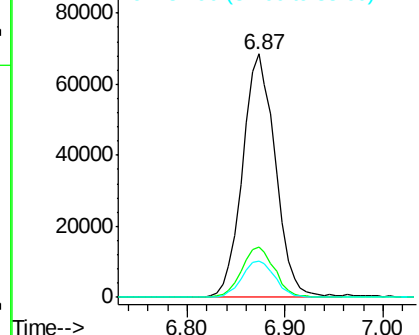
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000195.D
 Acq: 02 Mar 2018 16:52

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 159741
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 36.4
 88 14.7 0.0 29.0

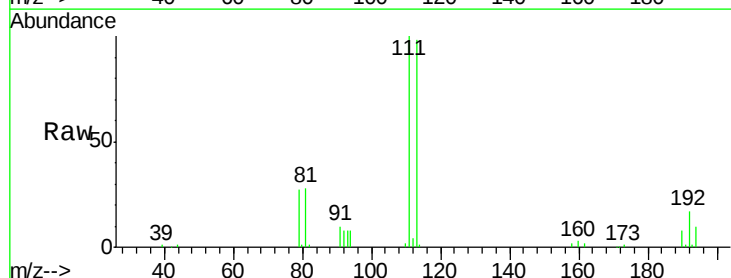


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

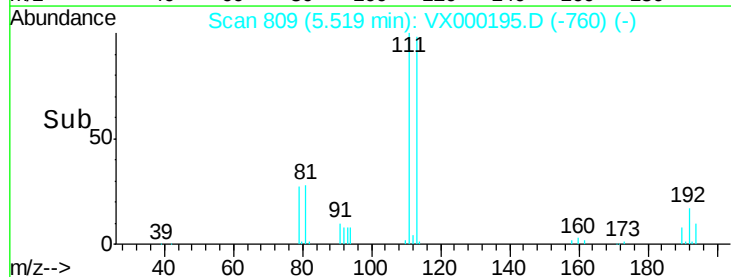
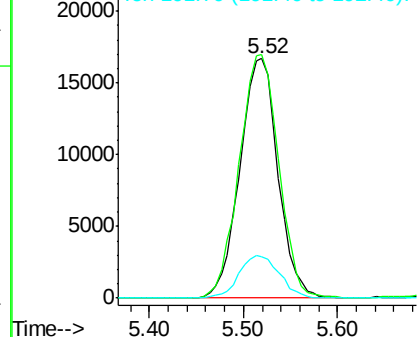


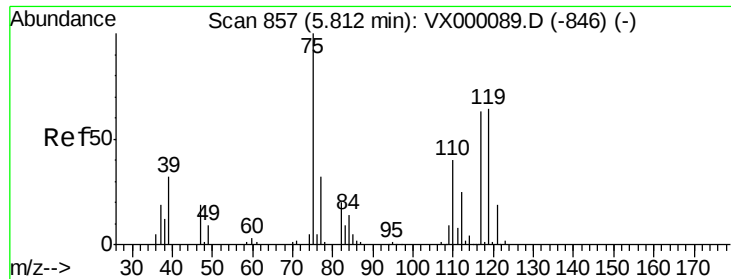
#35
 Dibromofluoromethane
 Concen: 46.75 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: VX000195.D
 Acq: 02 Mar 2018 16:52

Tgt Ion:113 Resp: 47130
 Ion Ratio Lower Upper
 113 100
 111 105.5 81.0 121.6
 192 18.8 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

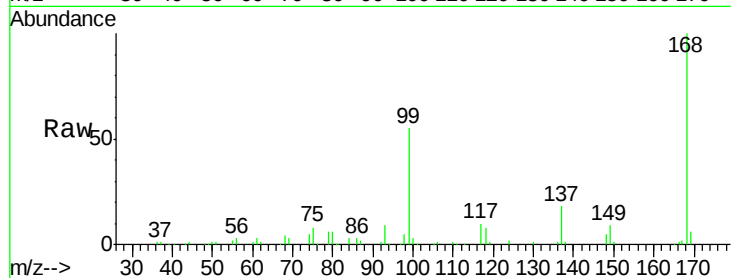




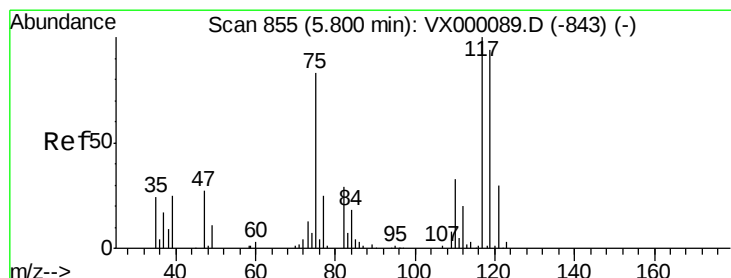
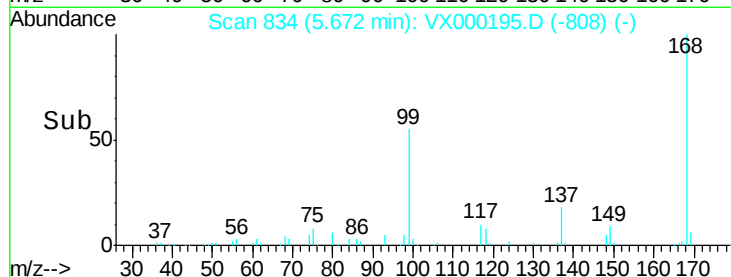
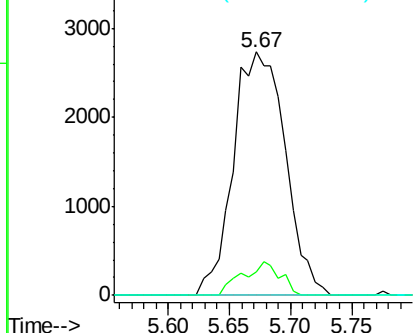
#36
 1,1-Dichloropropene
 Concen: 5.61 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000195.D
 Acq: 02 Mar 2018 16:52

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 8043
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.5 58.5#
 77 0.0 24.7 37.1#

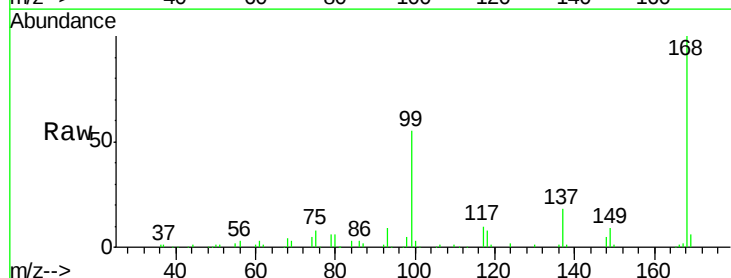


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

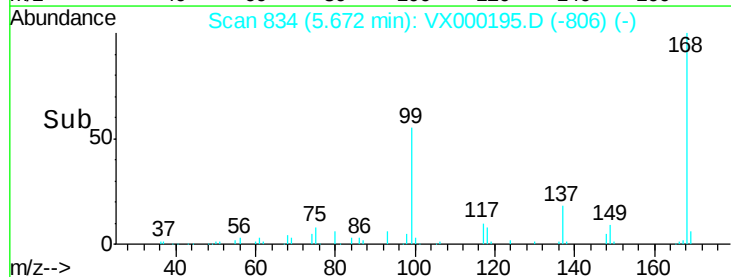
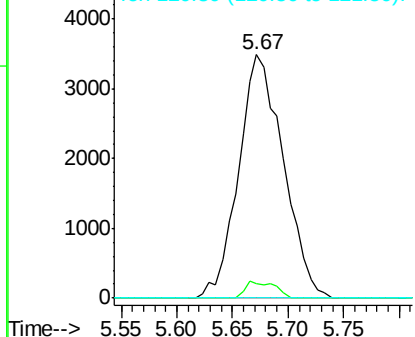


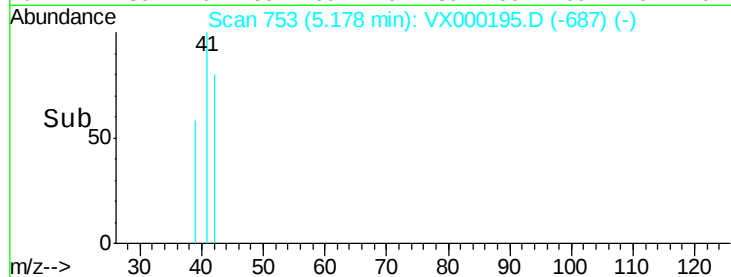
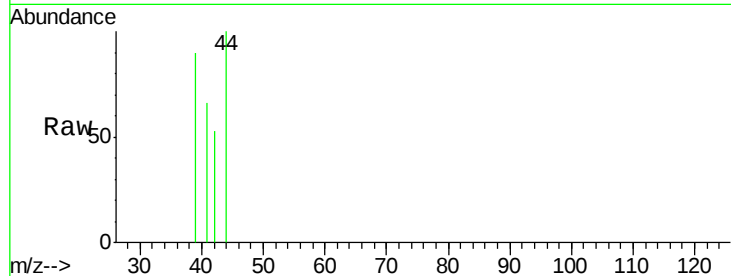
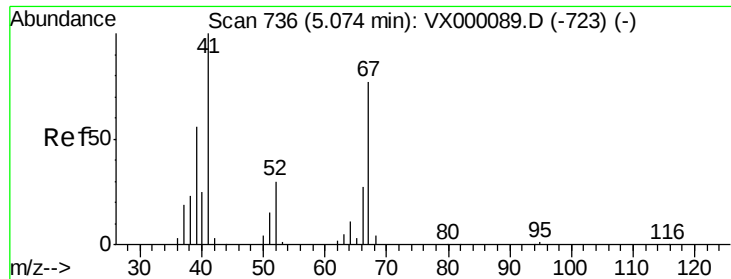
#38
 Carbon Tetrachloride
 Concen: 6.30 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000195.D
 Acq: 02 Mar 2018 16:52

Tgt Ion: 117 Resp: 9750
 Ion Ratio Lower Upper
 117 100
 119 5.7 75.3 112.9#
 121 0.0 23.7 35.5#



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

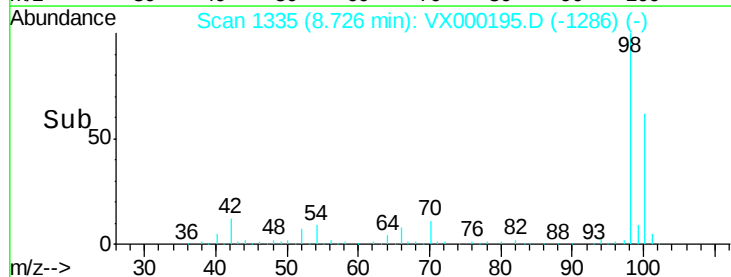
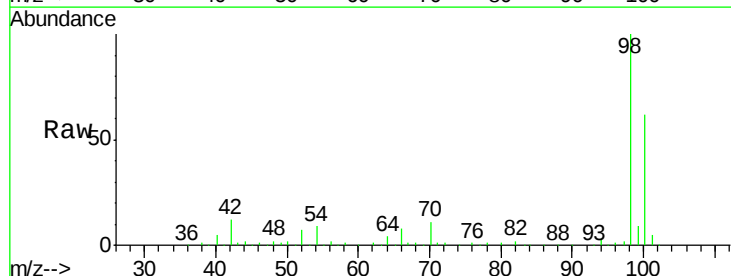
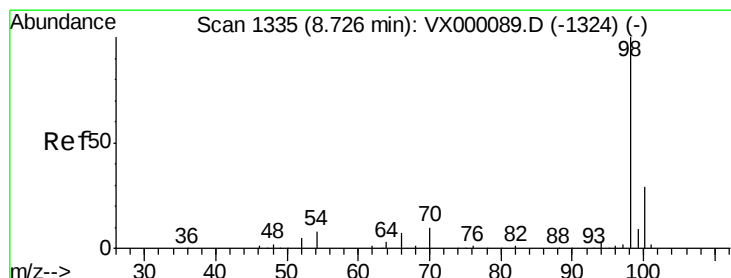
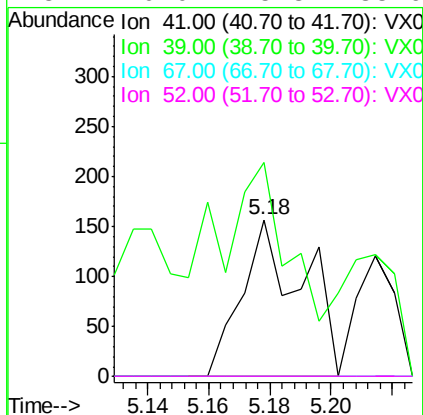




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.18 min Scan# 753
Delta R.T. 0.10 min
Lab File: VX000195.D
Acq: 02 Mar 2018 16:52

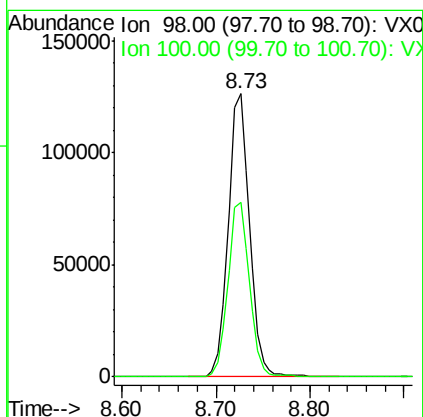
Instrument :
MSVOA_X
ClientSampleId :

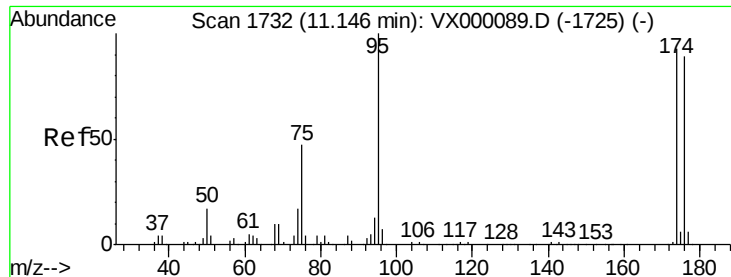
Tot Ion: 41 Resp: 216
Ion Ratio Lower Upper
41 100
39 98.1 45.1 67.7#
67 0.0 61.0 91.4#
52 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.83 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000195.D
Acq: 02 Mar 2018 16:52

Tgt Ion: 98 Resp: 198174
Ion Ratio Lower Upper
98 100
100 62.4 52.2 78.2

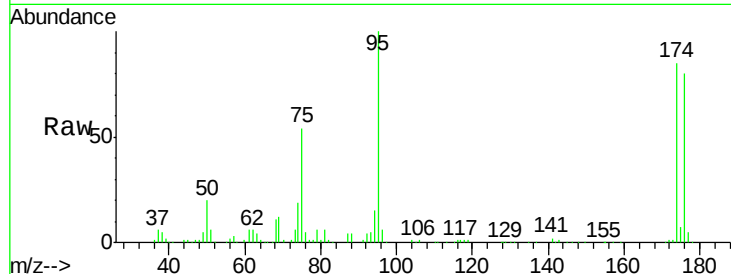




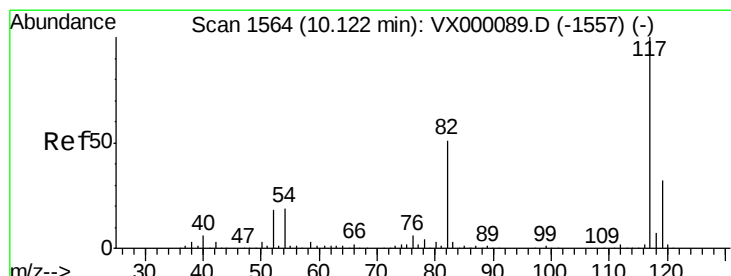
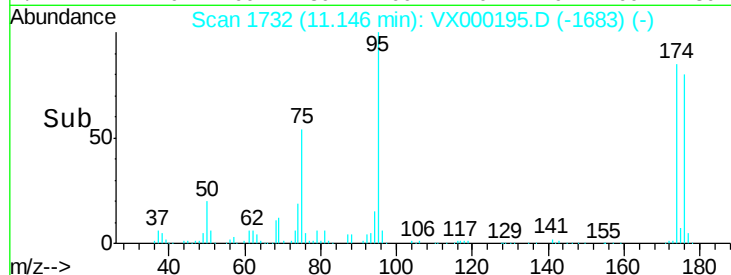
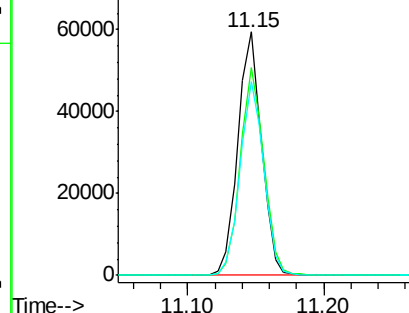
#62
4-Bromofluorobenzene
Concen: 46.00 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000195.D
Acq: 02 Mar 2018 16:52

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 71725
Ion Ratio Lower Upper
95 100
174 85.1 0.0 187.8
176 80.3 0.0 181.2

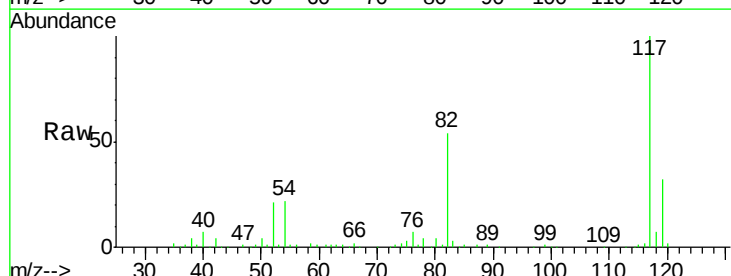


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

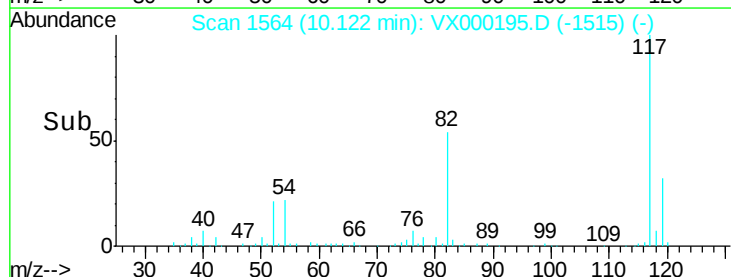
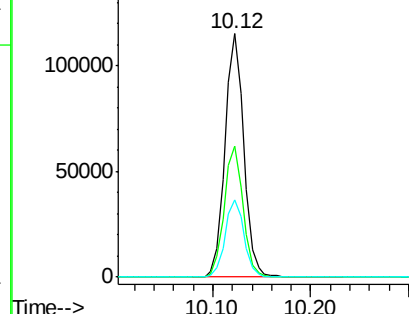


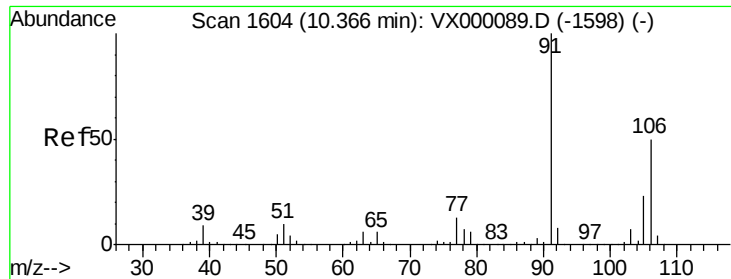
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000195.D
Acq: 02 Mar 2018 16:52

Tgt Ion: 117 Resp: 153539
Ion Ratio Lower Upper
117 100
82 53.9 41.0 61.6
119 31.6 25.5 38.3



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

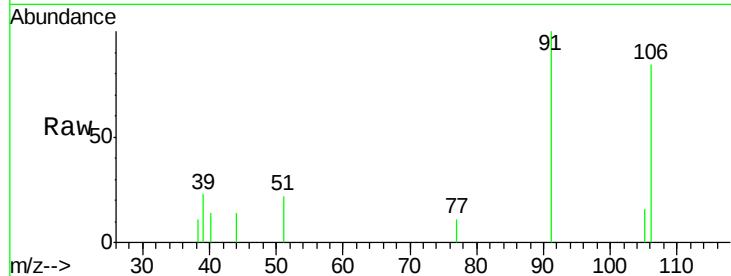




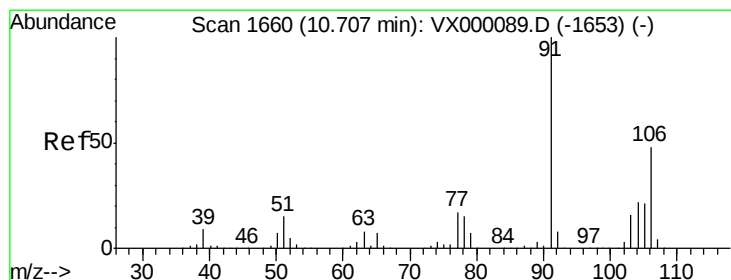
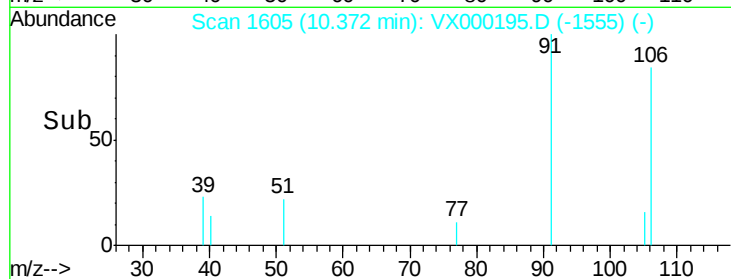
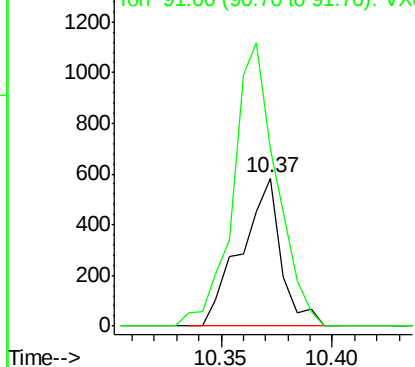
#68
m/p-Xvlenes
Concen: 0.34 ug/l
RT: 10.37 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VX000195.D
Acq: 02 Mar 2018 16:52

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 733
Ion Ratio Lower Upper
106 100
91 207.5 159.1 238.7

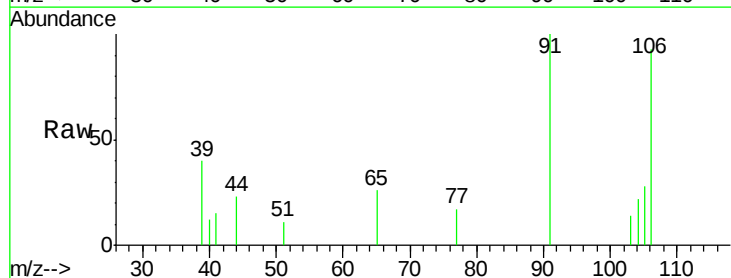


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

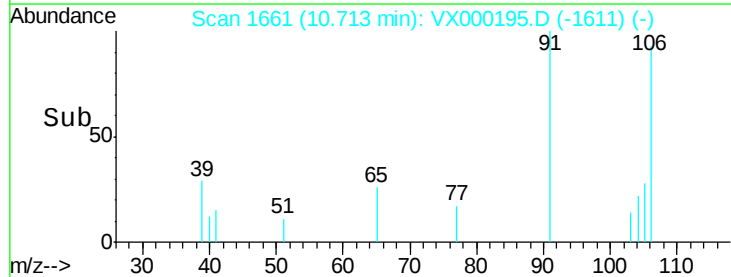
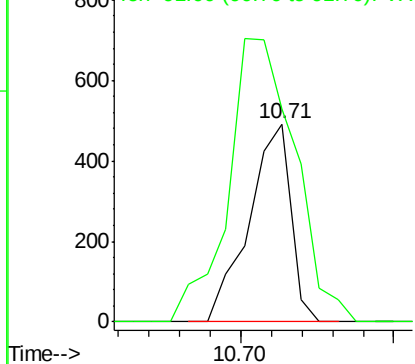


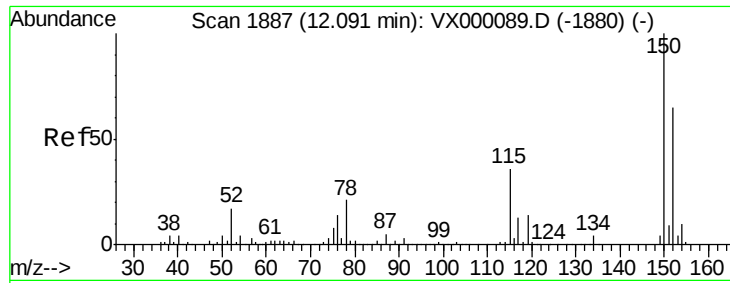
#69
o-Xylene
Concen: 0.22 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.01 min
Lab File: VX000195.D
Acq: 02 Mar 2018 16:52

Tgt Ion:106 Resp: 467
Ion Ratio Lower Upper
106 100
91 227.8 103.8 311.6



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: VX000195.D

Acq: 02 Mar 2018 16:52

Instrument :

MSVOA_X

ClientSampleId :

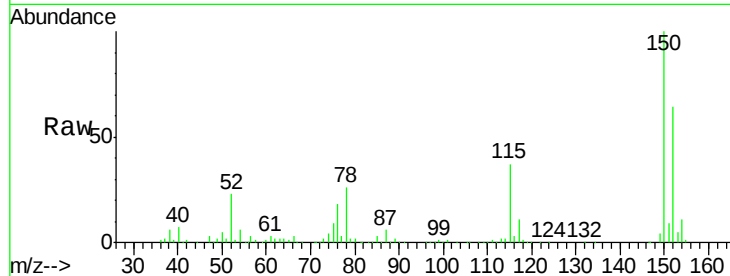
Tot Ion:152 Resp: 80523

Ion Ratio Lower Upper

152 100

115 56.8 39.1 117.2

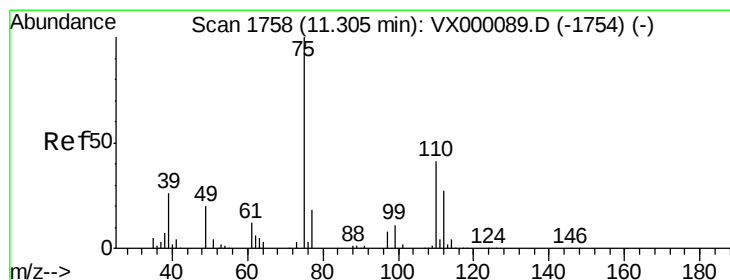
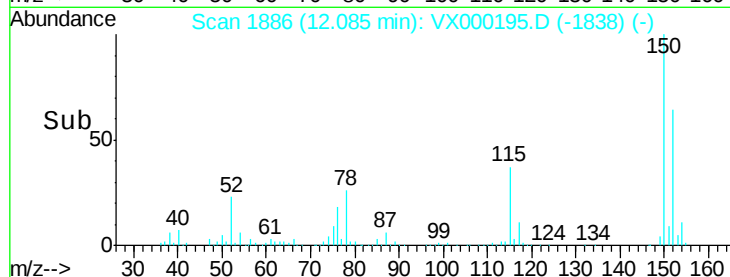
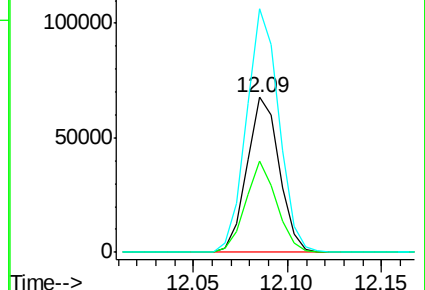
150 157.6 0.0 348.2



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



#76

1,2,3-Trichloropropane

Concen: 23.91 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000195.D

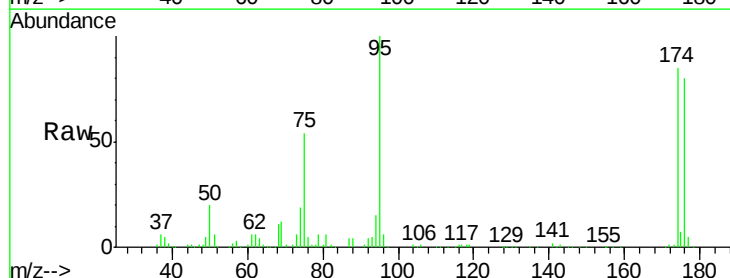
Acq: 02 Mar 2018 16:52

Tgt Ion: 75 Resp: 39876

Ion Ratio Lower Upper

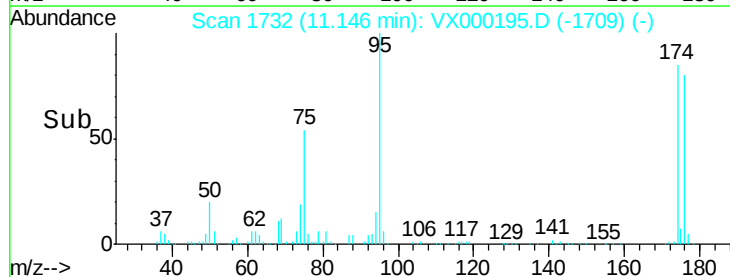
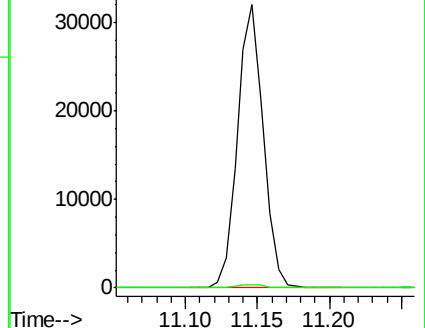
75 100

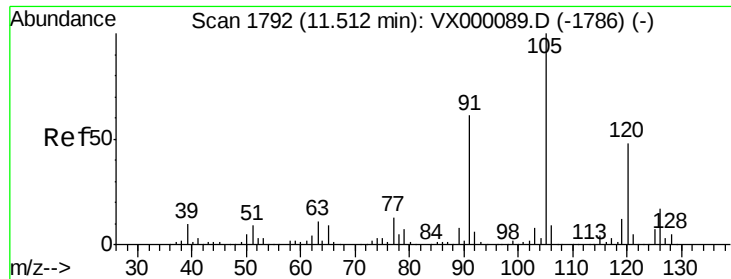
77 1.3 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

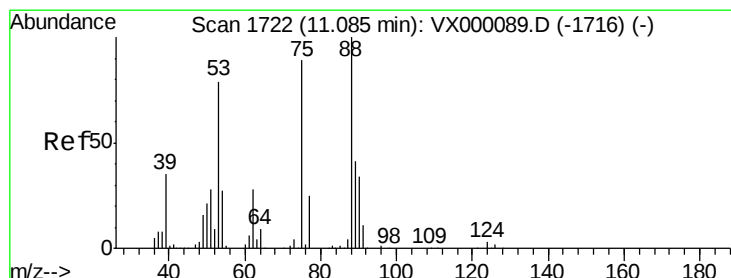
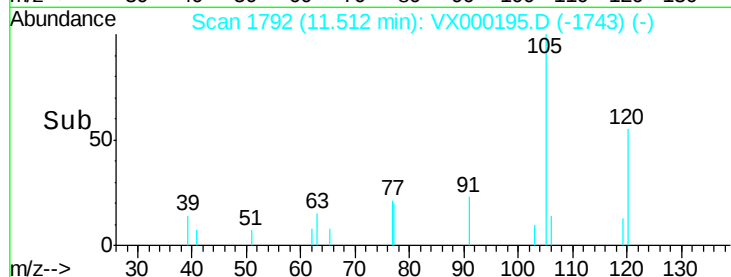
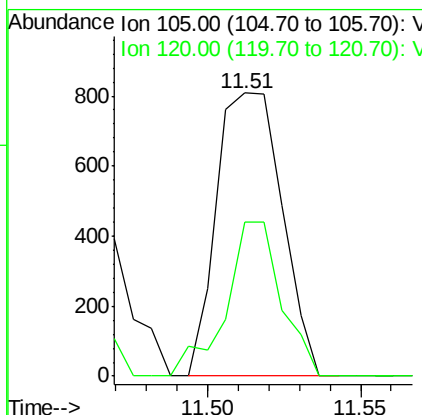
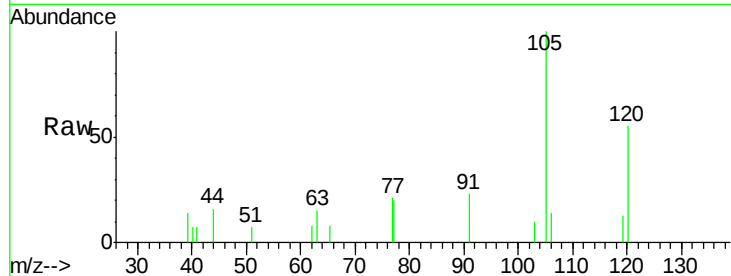




#80
 1,3,5-Trimethylbenzene
 Concen: 0.28 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX000195.D
 Acq: 02 Mar 2018 16:52

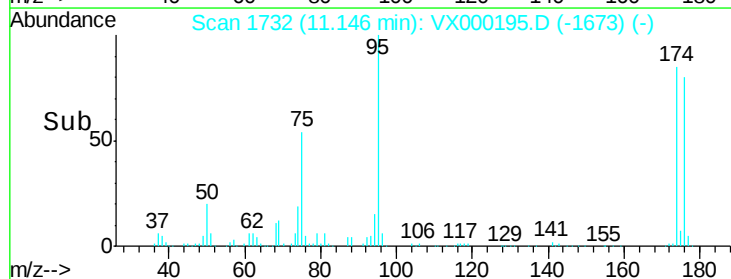
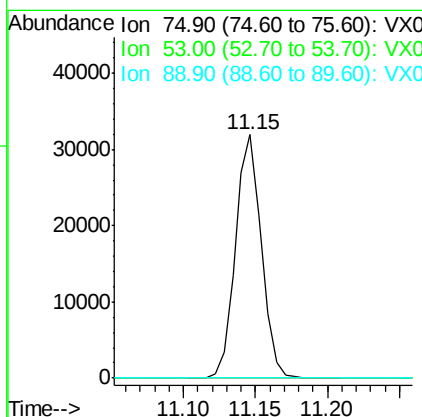
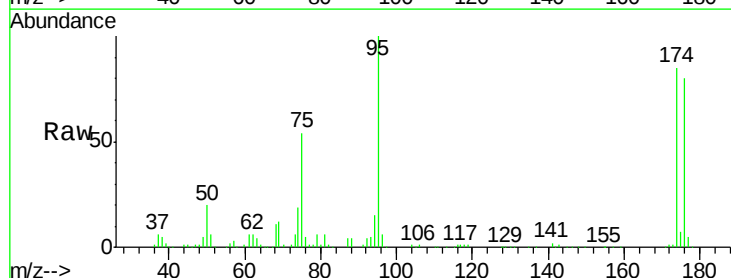
Instrument :
 MSVOA_X
 ClientSampled :

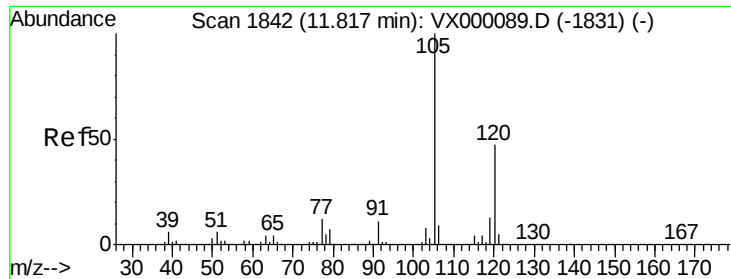
Tot Ion:105 Resp: 1203
 Ion Ratio Lower Upper
 105 100
 120 45.9 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.09 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000195.D
 Acq: 02 Mar 2018 16:52

Tgt Ion: 75 Resp: 39876
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.3 108.5#
 89 0.0 40.6 60.8#

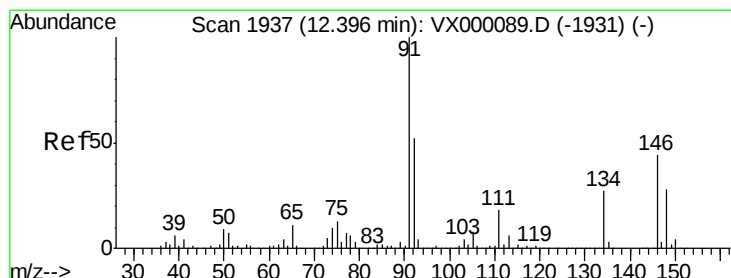
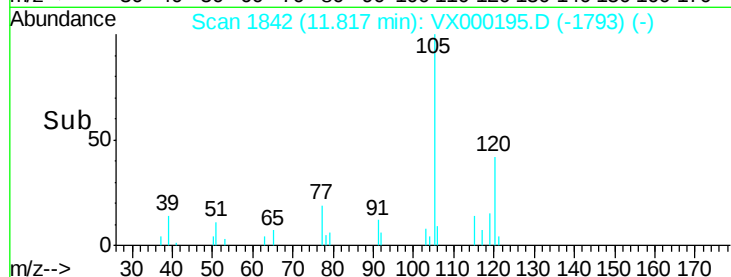
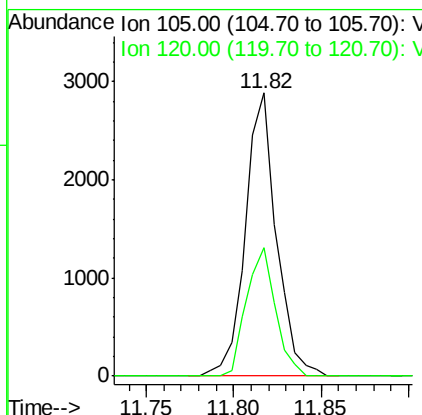
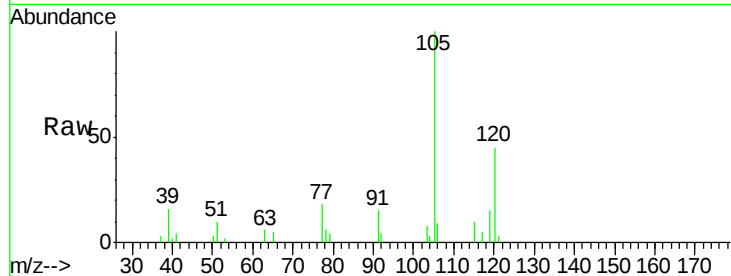




#84
 1,2,4-Trimethylbenzene
 Concen: 0.80 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000195.D
 Acq: 02 Mar 2018 16:52

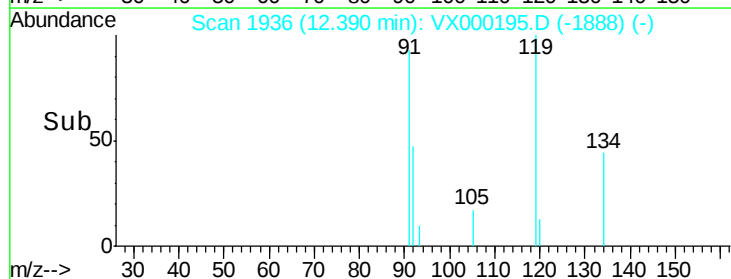
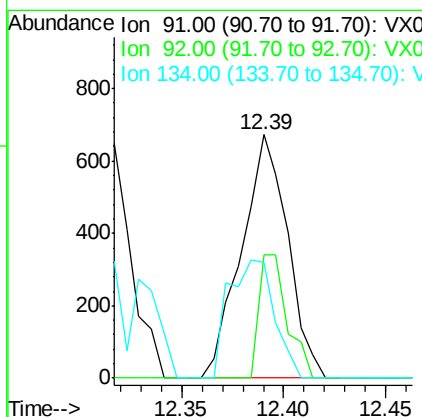
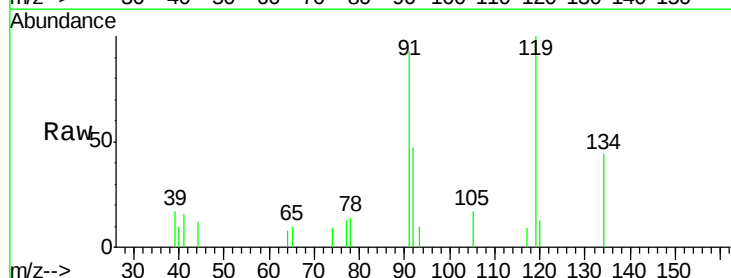
Instrument :
 MSVOA_X
 ClientSampleId :

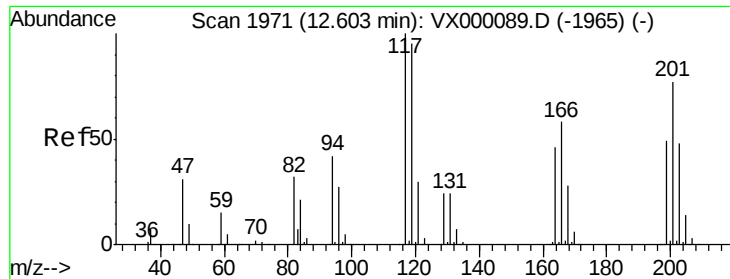
Tot Ion:105 Resp: 3572
 Ion Ratio Lower Upper
 105 100
 120 42.4 23.1 69.2



#89
 n-Butylbenzene
 Concen: 0.23 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VX000195.D
 Acq: 02 Mar 2018 16:52

Tgt Ion: 91 Resp: 1056
 Ion Ratio Lower Upper
 91 100
 92 31.4 26.2 78.6
 134 48.4 14.3 42.9#





#90

Hexachloroethane

Concen: 0.30 ug/l

RT: 12.68 min Scan# 1983

Delta R.T. 0.07 min

Lab File: VX000195.D

Acq: 02 Mar 2018 16:52

Instrument :

MSVOA_X

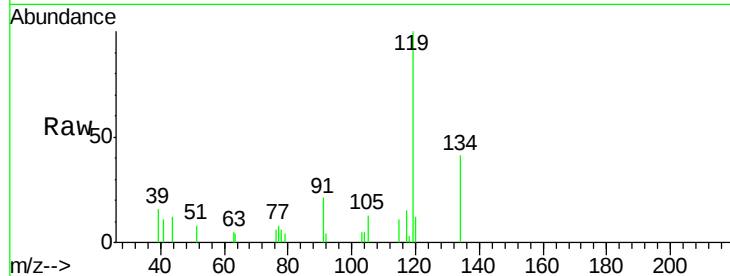
ClientSampleId :

Tot Ion:117 Resp: 234

Ion Ratio Lower Upper

117 100

201 0.0 41.1 123.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

400

300

200

100

0

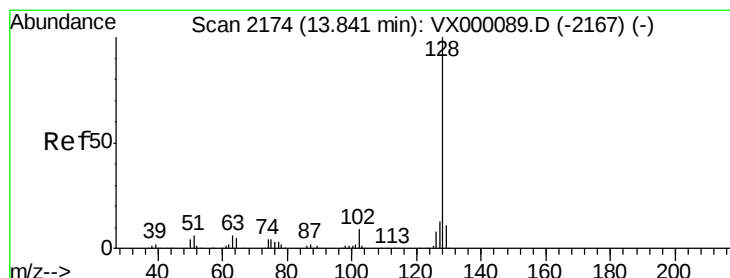
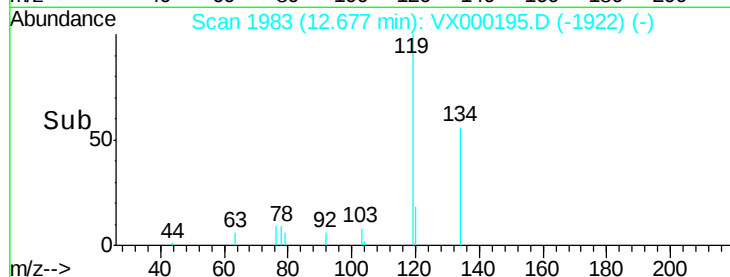
12.64

12.66

12.68

12.70

Time-->



#95

Naphthalene

Concen: 23.38 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000195.D

Acq: 02 Mar 2018 16:52

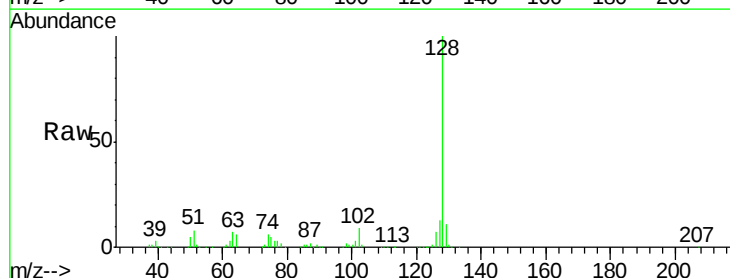
Tgt Ion:128 Resp: 155326

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

150000

100000

50000

0

13.80

13.84

13.90

Time-->

