

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
 Data File : VX000237.D
 Acq On : 08 Mar 2018 22:43
 Operator : JC/MD
 Sample : J1823-04 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 09 04:18:53 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	2816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	4286	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	4212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	2477	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.09	65	2841	72.78	ug/l	0.00
Spiked Amount			Recovery	=	145.56%	
35) Dibromofluoromethane	5.52	113	1672	62.10	ug/l	0.00
Spiked Amount			Recovery	=	124.20%	
50) Toluene-d8	8.73	98	6945	62.28	ug/l	0.00
Spiked Amount			Recovery	=	124.56%	
62) 4-Bromofluorobenzene	11.14	95	2619	60.18	ug/l	0.00
Spiked Amount			Recovery	=	120.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.38	50	40	1.34	ug/l #	42
5) Bromomethane	1.66	94	86	1.35	ug/l #	3
6) Chloroethane	1.73	64	154	6.66	ug/l #	42
8) Diethyl Ether	2.25	74	25	1.18	ug/l #	1
11) Tert butyl alcohol	3.08	59	23	1.60	ug/l #	72
13) Acrolein	2.29	56	43	5.70	ug/l #	1
14) Allyl chloride	2.73	41	561	10.23	ug/l #	33
15) Acrylonitrile	3.15	53	85	3.41	ug/l #	63
16) Acetone	2.45	43	3744	133.55	ug/l	96
17) Carbon Disulfide	2.57	76	419	5.15	ug/l #	61
18) Methyl Acetate	2.80	43	422	7.07	ug/l #	63
20) Methylene Chloride	2.87	84	314019	9392.41	ug/l	99
22) Diisopropyl ether	3.89	45	21	0.22	ug/l #	30
23) Vinyl Acetate	3.85	43	87	0.96	ug/l #	72
25) 2-Butanone	4.73	43	1098	31.74	ug/l	95
28) Bromochloromethane	5.04	49	337	13.73	ug/l #	68
29) Tetrahydrofuran	5.20	42	624	28.72	ug/l #	52
30) Chloroform	5.21	83	196	3.51	ug/l #	42
31) Cyclohexane	5.81	56	27	0.63	ug/l #	17
36) 1,1-Dichloropropene	5.81	75	25	0.66	ug/l #	41
37) Ethyl Acetate	4.89	43	101	1.83	ug/l #	69
38) Carbon Tetrachloride	5.70	117	79	2.05	ug/l #	12
40) Benzene	5.97	78	46	0.42	ug/l #	51
41) Methacrylonitrile	5.09	41	21	0.75	ug/l #	1
43) Isopropyl Acetate	6.49	43	1588	19.93	ug/l #	85
47) Bromodichloromethane	7.92	83	144	3.71	ug/l #	26
48) Methyl methacrylate	7.76	41	26	0.66	ug/l #	1
51) 4-Methyl-2-Pentanone	8.68	43	22	0.37	ug/l #	37
52) Toluene	8.79	92	175	2.32	ug/l	83
59) 2-Hexanone	9.51	43	29	0.57	ug/l #	25
60) Dibromochloromethane	9.34	129	231	7.18	ug/l #	10
64) Tetrachloroethene	9.34	164	157	5.33	ug/l #	32
65) Chlorobenzene	10.15	112	25	0.29	ug/l #	43
67) Ethyl Benzene	10.26	91	195	1.31	ug/l	96

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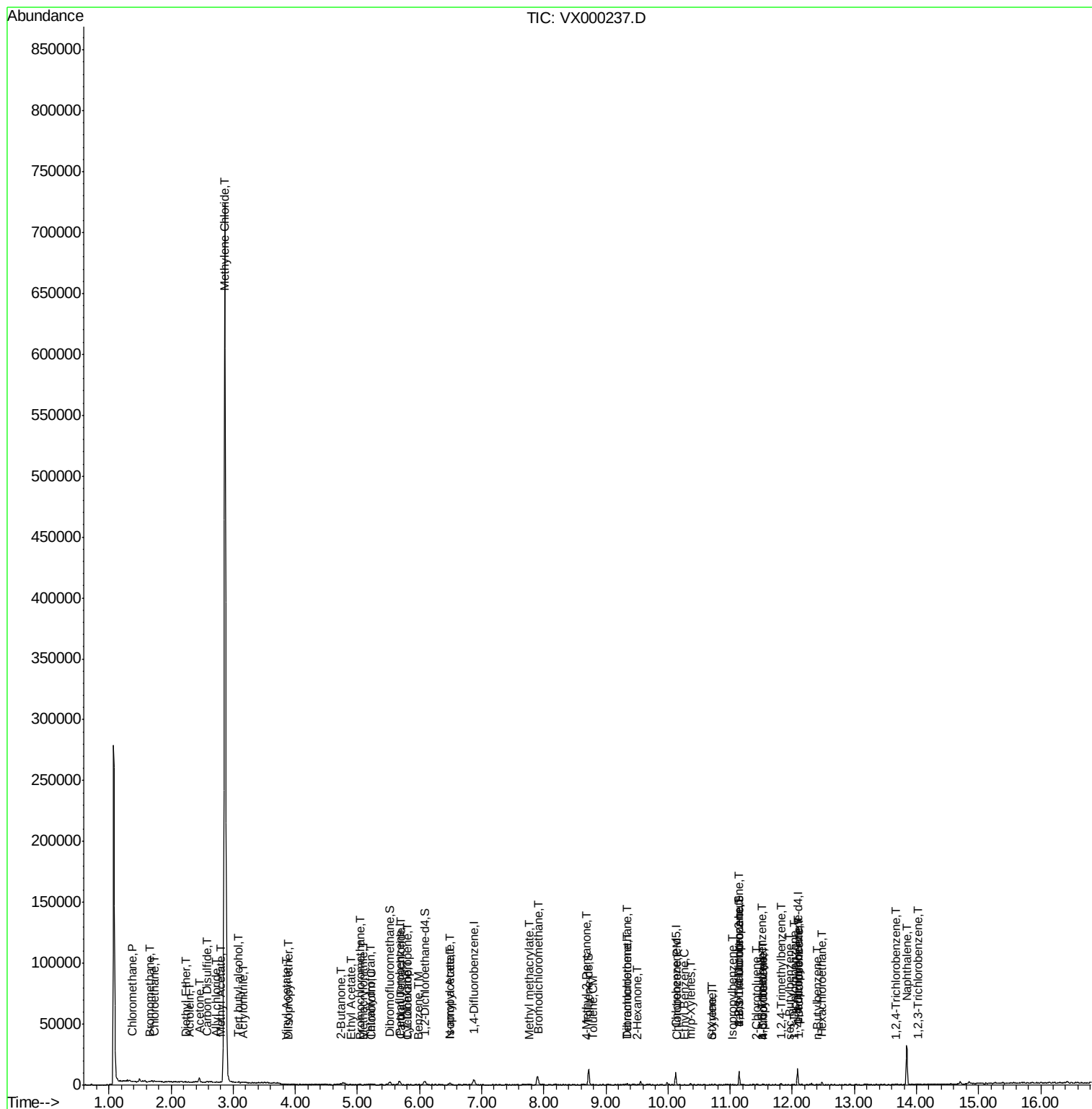
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

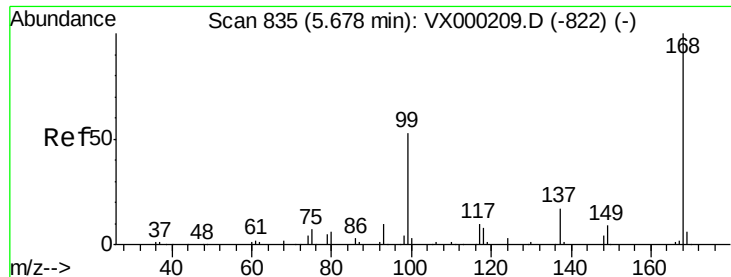
68) m/p-Xylenes	10.37	106	267	4.67	ug/l	85
69) o-Xylene	10.70	106	26	0.47	ug/l #	1
70) Styrene	10.72	104	109	1.20	ug/l #	25
73) Isopropylbenzene	11.02	105	115	0.74	ug/l #	48
74) N-amyl acetate	6.49	43	1588	20.01	ug/l #	87
76) 1,2,3-Trichloropropane	11.14	75	1409	28.38	ug/l #	32
78) n-propylbenzene	11.52	91	236	1.29	ug/l	87
79) 2-Chlorotoluene	11.43	91	89	0.86	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	275	2.12	ug/l	66
81) trans-1,4-Dichloro-2-buten	11.14	75	1409	86.90	ug/l #	10
82) 4-Chlorotoluene	11.52	91	236	1.89	ug/l #	43
84) 1,2,4-Trimethylbenzene	11.82	105	546	4.10	ug/l	90
85) sec-Butylbenzene	11.95	105	79	0.50	ug/l #	56
86) p-Isopropyltoluene	12.08	119	150	1.07	ug/l #	49
87) 1,3-Dichlorobenzene	12.04	146	143	1.88	ug/l #	75
88) 1,4-Dichlorobenzene	12.11	146	119	1.49	ug/l #	44
89) n-Butylbenzene	12.40	91	308	2.28	ug/l #	74
90) Hexachloroethane	12.48	117	31	1.37	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.66	180	63	1.15	ug/l #	79
95) Naphthalene	13.85	128	19017	99.26	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	52	0.96	ug/l	85

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

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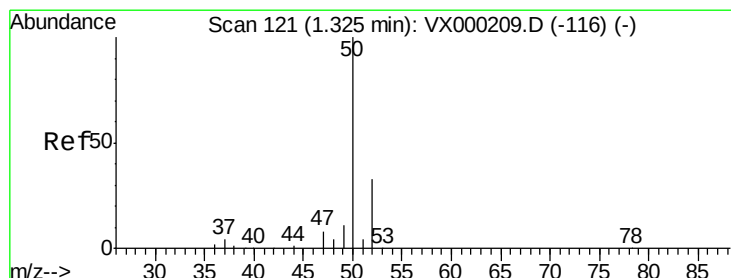
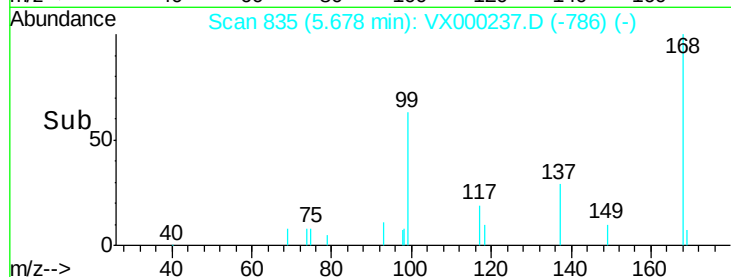
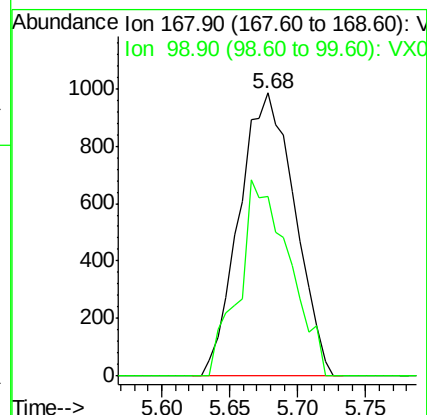
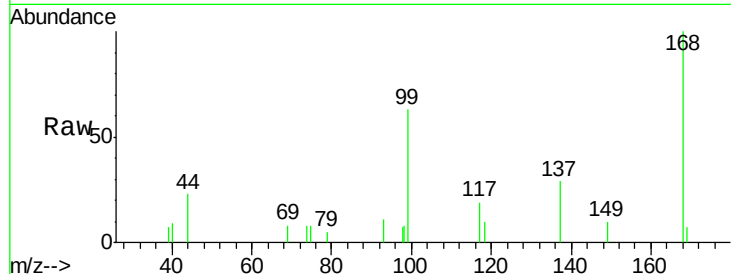




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.00 min
Lab File: VX000237.D
Acq: 08 Mar 2018 22:43

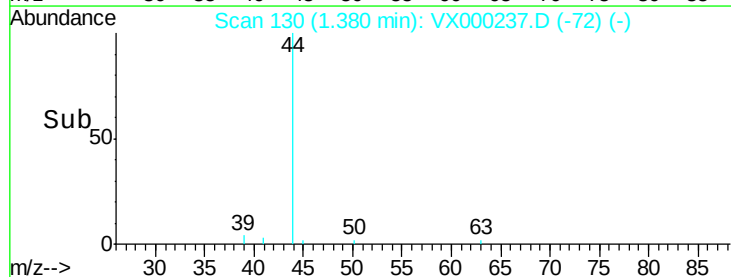
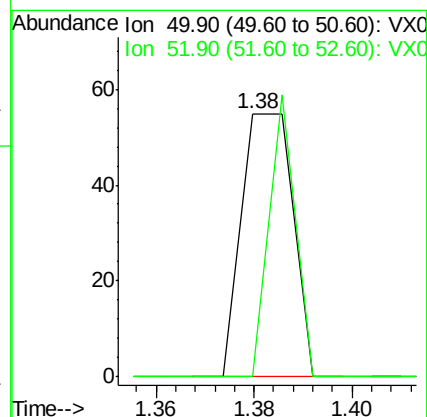
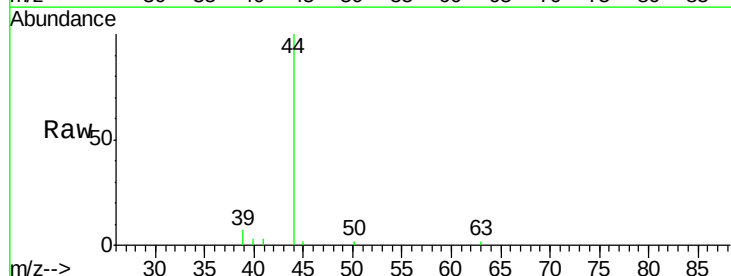
Instrument :
MSVOA_X
ClientSampled :

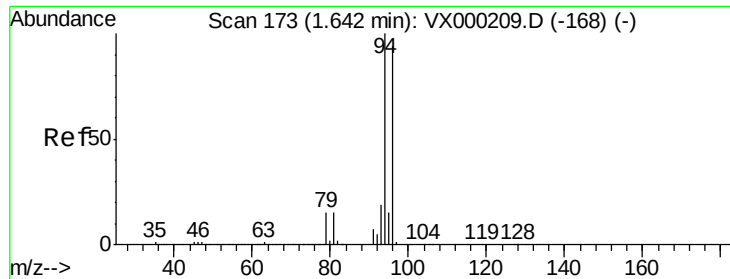
Tot Ion:168 Resp: 2816
Ion Ratio Lower Upper
168 100
99 63.4 42.8 64.2



#3
Chloromethane
Concen: 1.34 ug/l
RT: 1.38 min Scan# 130
Delta R.T. 0.05 min
Lab File: VX000237.D
Acq: 08 Mar 2018 22:43

Tgt Ion: 50 Resp: 40
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#





#5

Bromomethane

Concen: 1.35 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000237.D

Acq: 08 Mar 2018 22:43

Instrument :

MSVOA_X

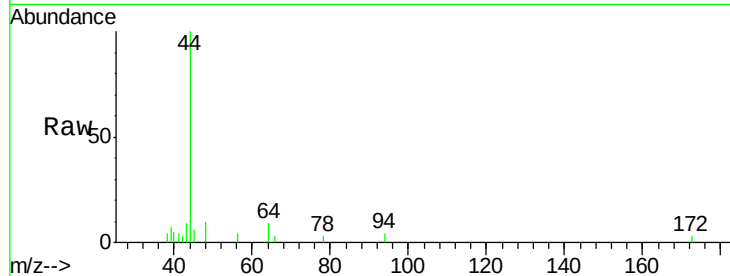
ClientSampleId :

Tot Ion: 94 Resp: 86

Ion Ratio Lower Upper

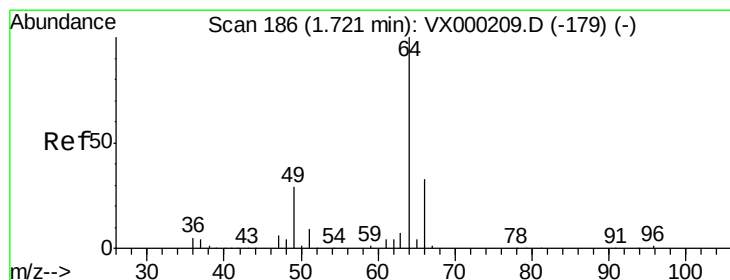
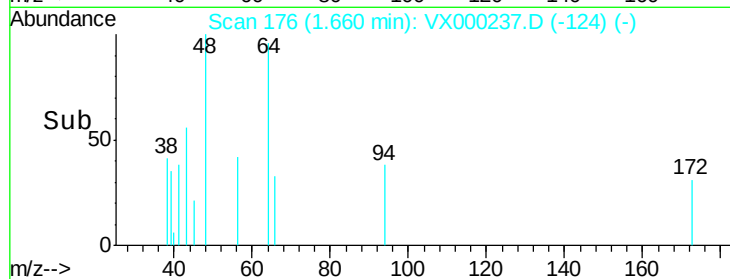
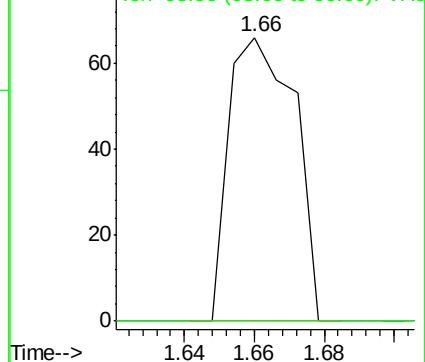
94 100

96 0.0 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 6.66 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX000237.D

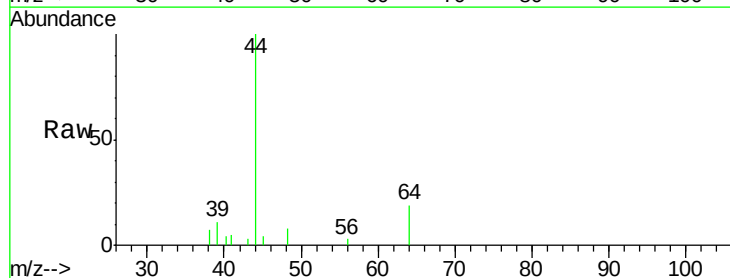
Acq: 08 Mar 2018 22:43

Tgt Ion: 64 Resp: 154

Ion Ratio Lower Upper

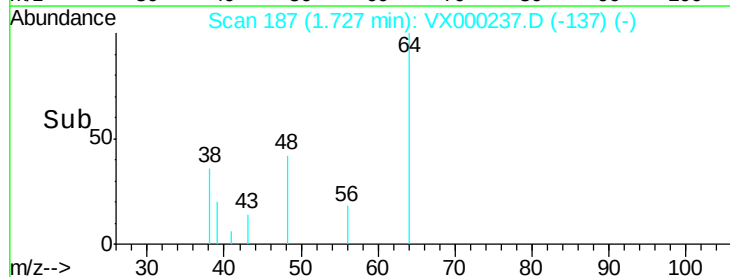
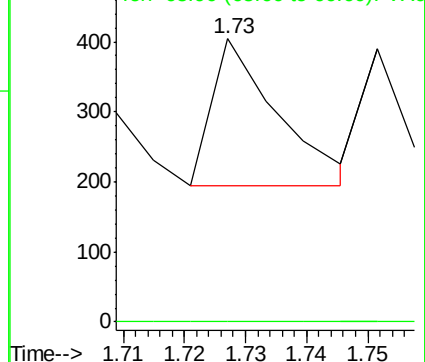
64 100

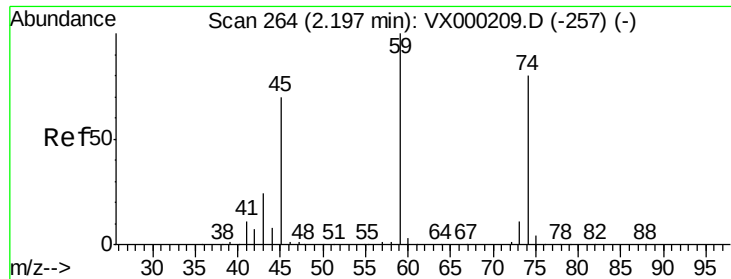
66 0.0 26.2 39.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

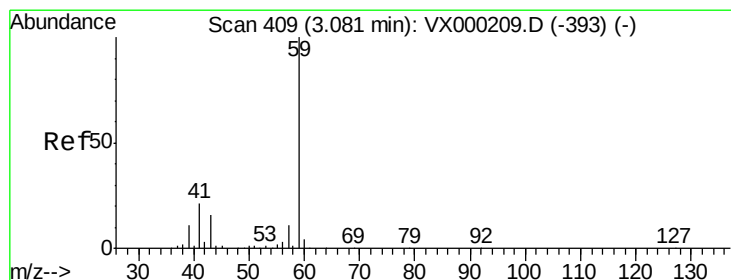
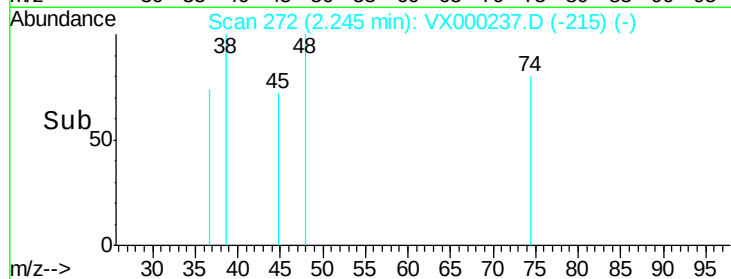
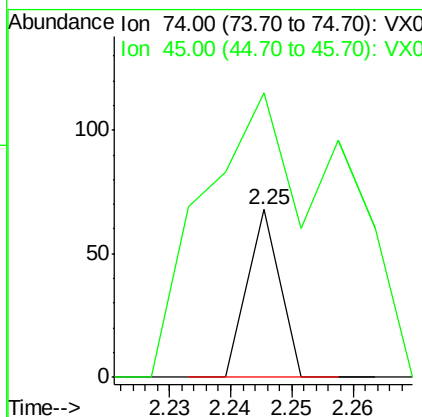
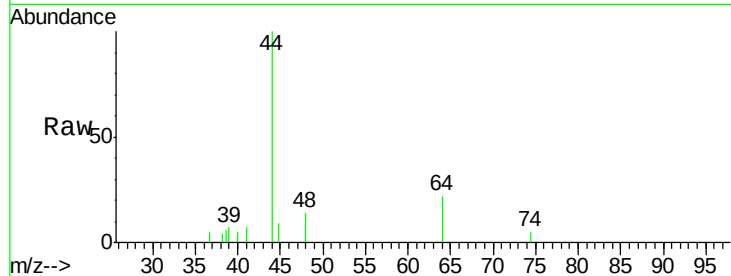




#8
 Diethyl Ether
 Concen: 1.18 ug/l
 RT: 2.25 min Scan# 272
 Delta R.T. 0.05 min
 Lab File: VX000237.D
 Acq: 08 Mar 2018 22:43

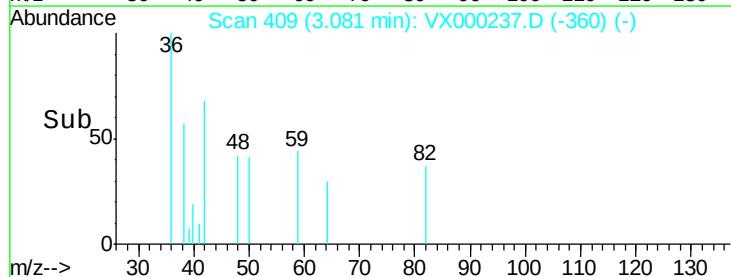
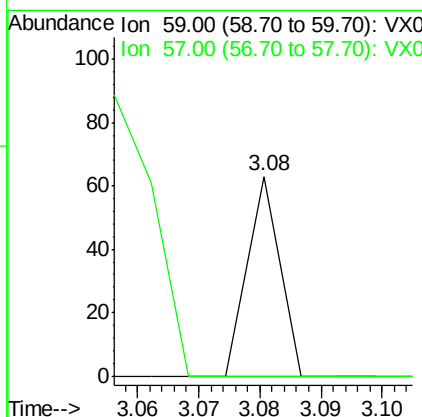
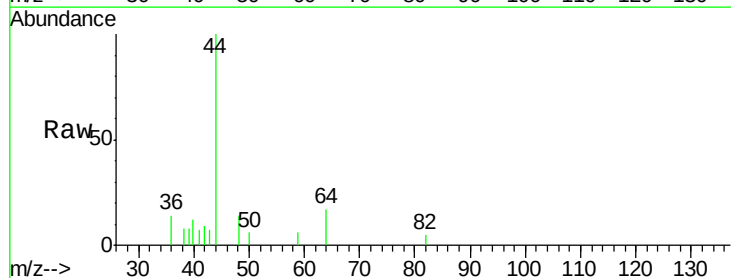
Instrument :
 MSVOA_X
 ClientSampled :

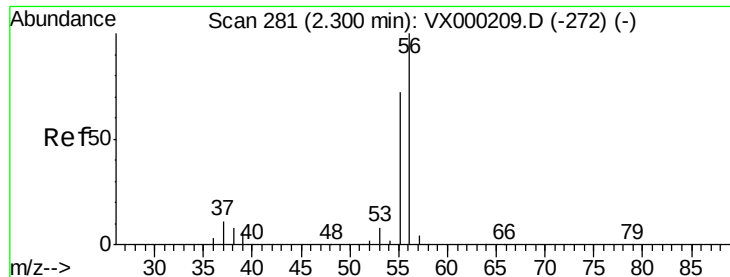
Tot Ion: 74 Resp: 25
 Ion Ratio Lower Upper
 74 100
 45 708.0 47.2 141.6#



#11
 Tert butyl alcohol
 Concen: 1.60 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX000237.D
 Acq: 08 Mar 2018 22:43

Tgt Ion: 59 Resp: 23
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#





#13

Acrolein

Concen: 5.70 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX000237.D

Acq: 08 Mar 2018 22:43

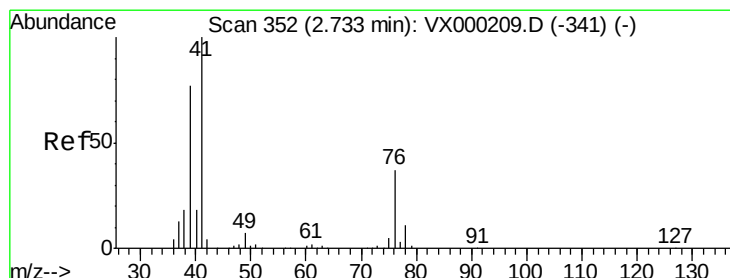
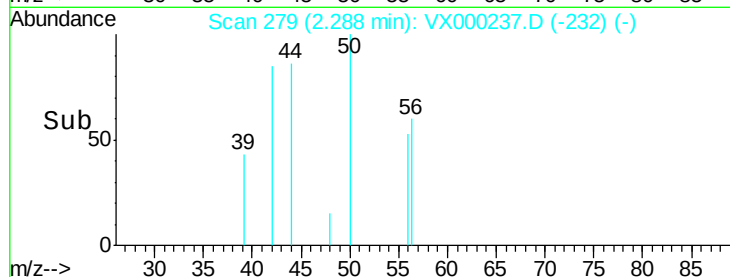
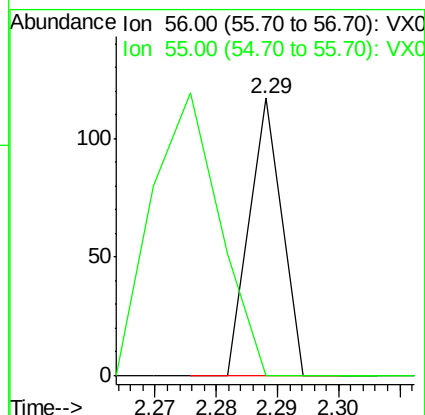
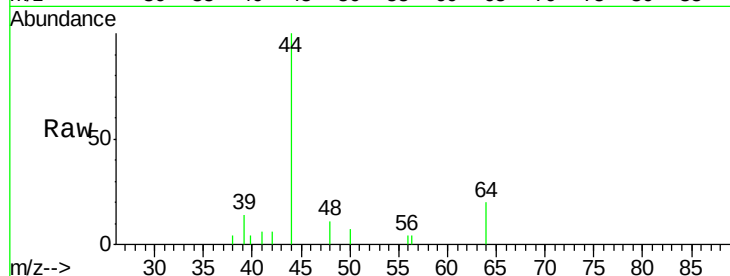
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 43

Ion Ratio Lower Upper

56 100

55 211.6 59.2 88.8#



#14

Allyl chloride

Concen: 10.23 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000237.D

Acq: 08 Mar 2018 22:43

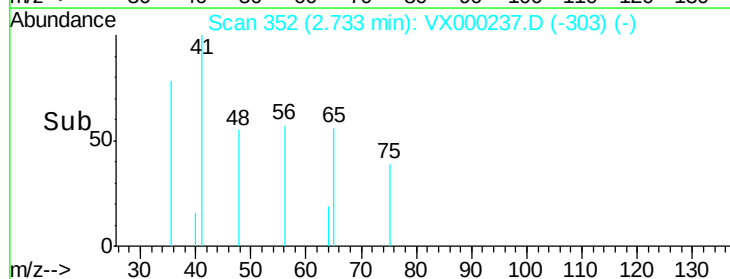
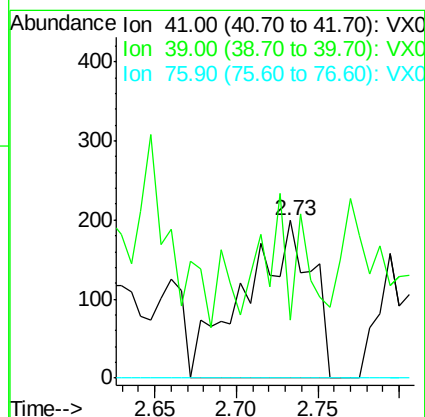
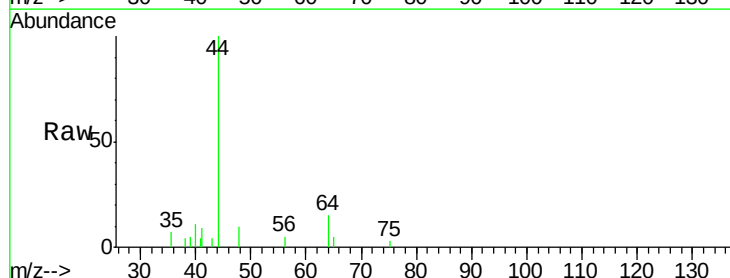
Tgt Ion: 41 Resp: 561

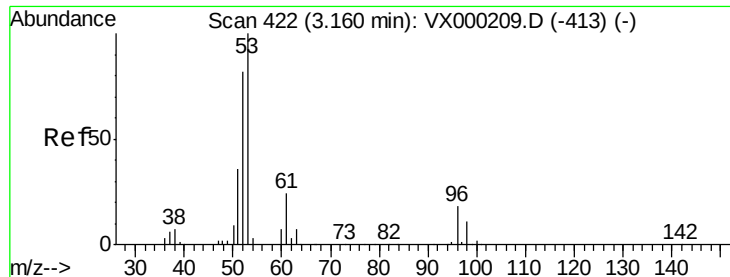
Ion Ratio Lower Upper

41 100

39 12.5 57.0 85.6#

76 0.0 26.8 40.2#





#15

Acrylonitrile

Concen: 3.41 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX000237.D

Acq: 08 Mar 2018 22:43

Instrument :

MSVOA_X

ClientSampleId :

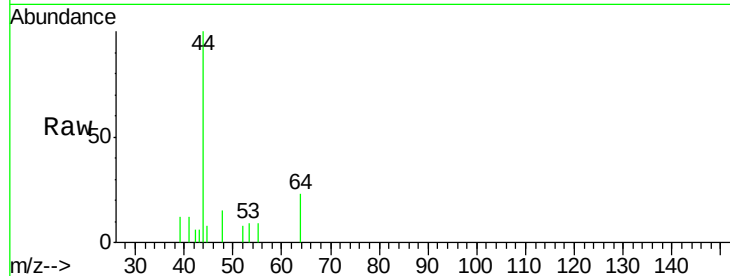
Tot Ion: 53 Resp: 85

Ion Ratio Lower Upper

53 100

52 60.0 66.3 99.5#

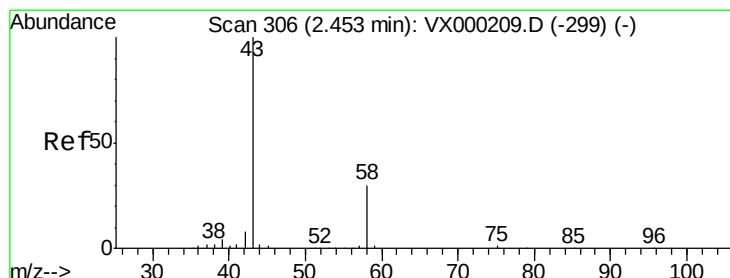
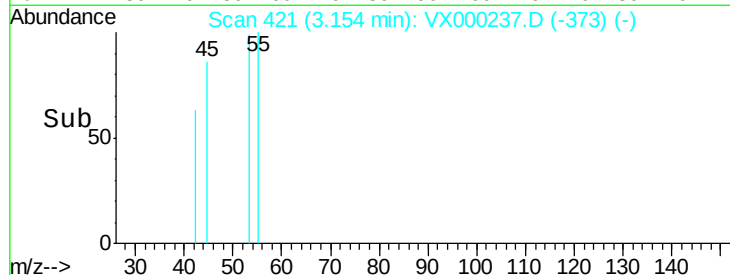
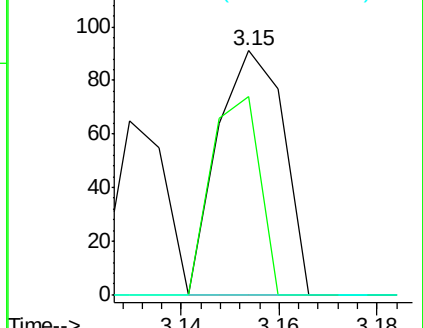
51 0.0 29.6 44.4#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 133.55 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000237.D

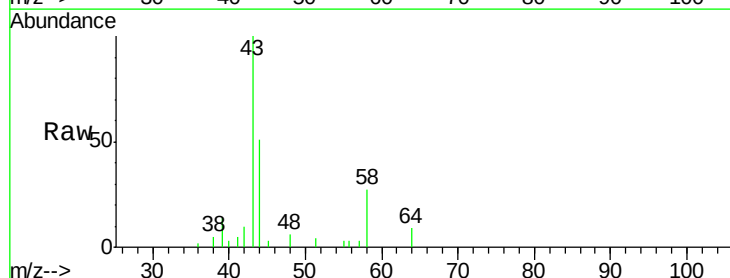
Acq: 08 Mar 2018 22:43

Tgt Ion: 43 Resp: 3744

Ion Ratio Lower Upper

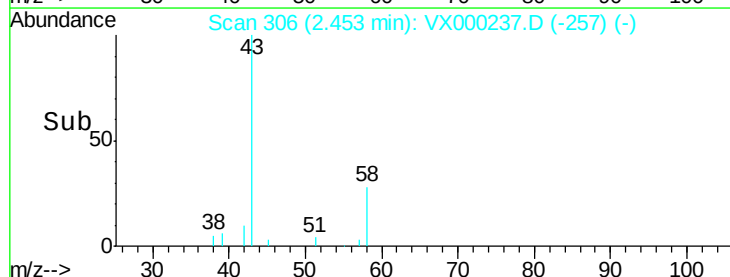
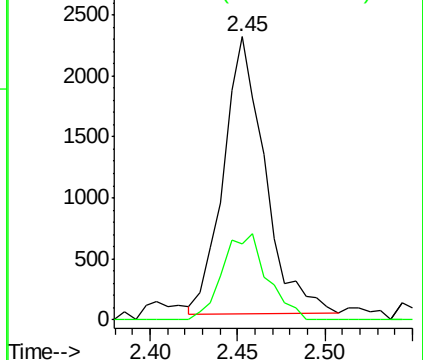
43 100

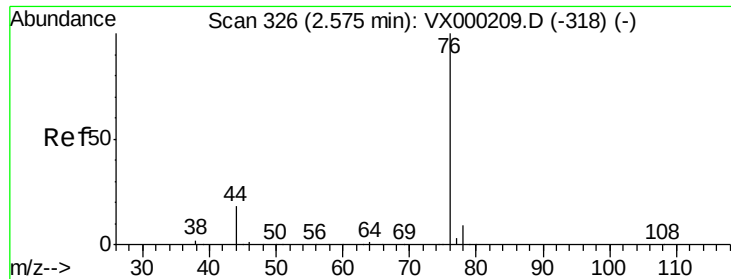
58 27.4 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

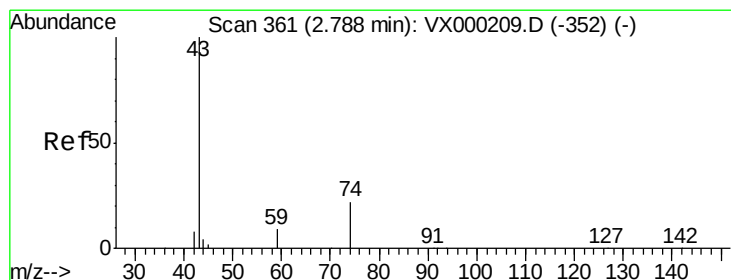
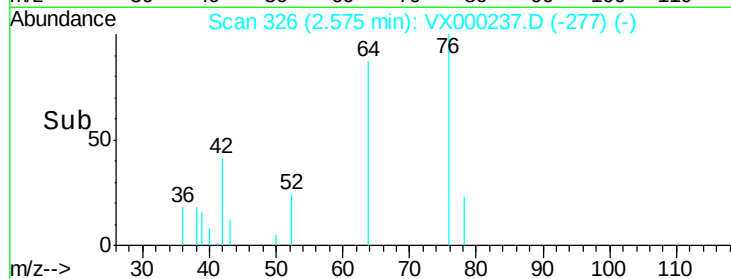
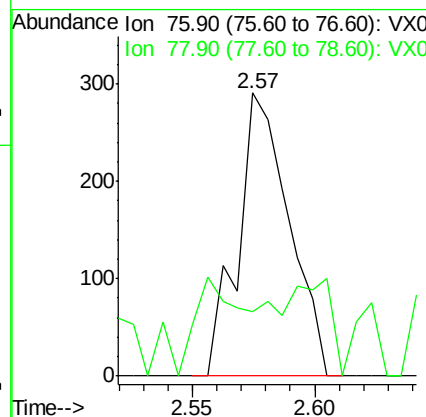
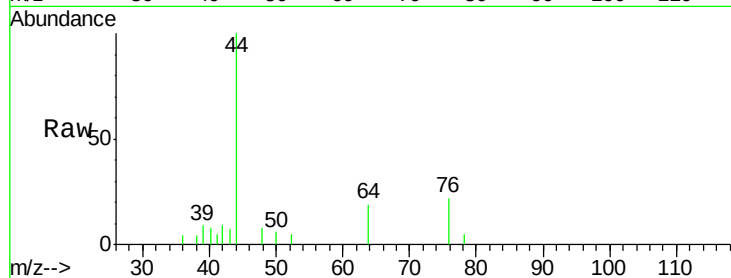




#17
Carbon Disulfide
Concen: 5.15 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000237.D
Acq: 08 Mar 2018 22:43

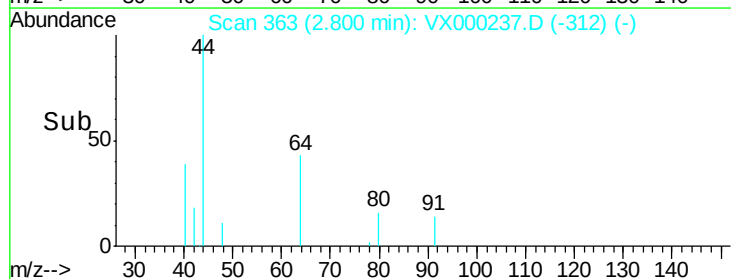
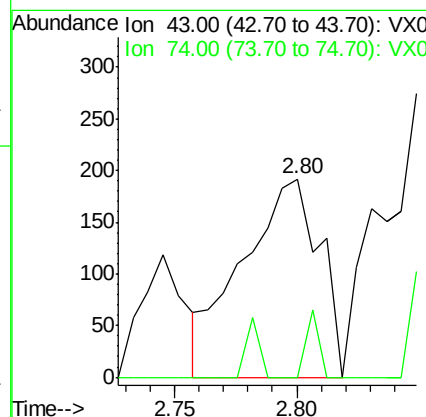
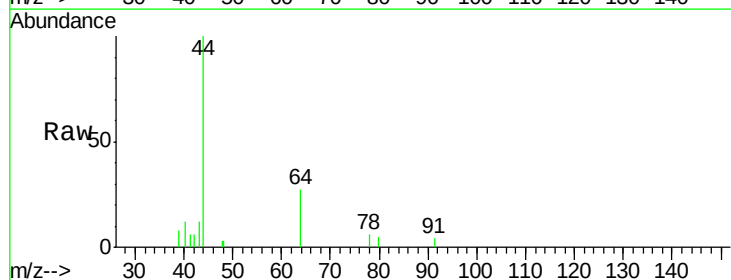
Instrument :
MSVOA_X
ClientSampled :

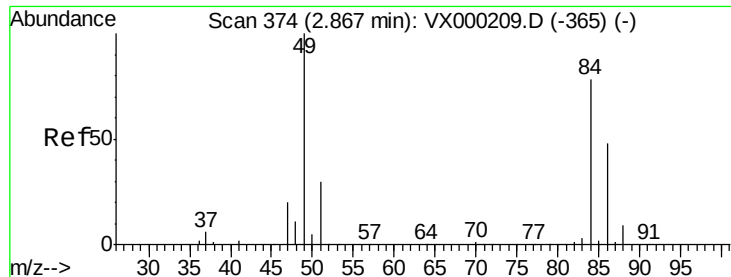
Tot Ion: 76 Resp: 419
Ion Ratio Lower Upper
76 100
78 22.7 7.0 10.6#



#18
Methyl Acetate
Concen: 7.07 ug/l
RT: 2.80 min Scan# 363
Delta R.T. 0.01 min
Lab File: VX000237.D
Acq: 08 Mar 2018 22:43

Tgt Ion: 43 Resp: 422
Ion Ratio Lower Upper
43 100
74 5.7 18.9 28.3#

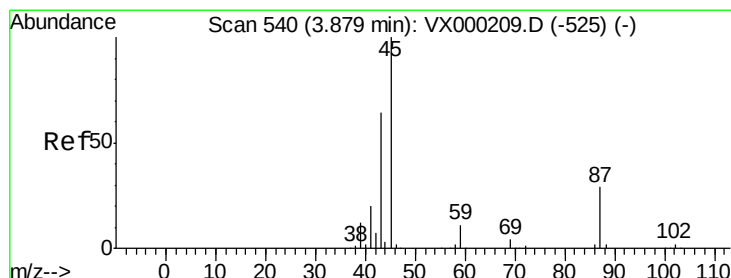
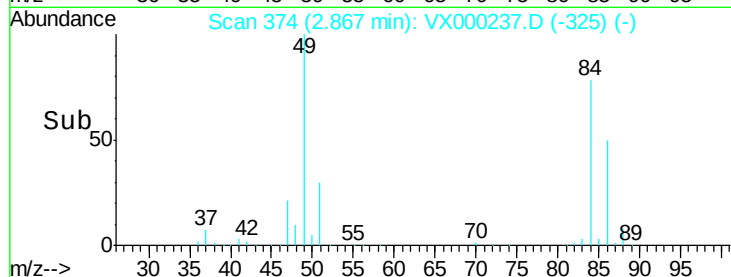
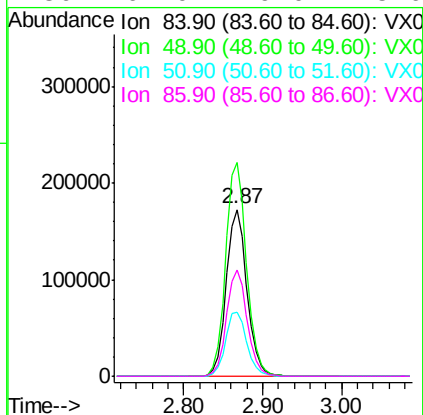
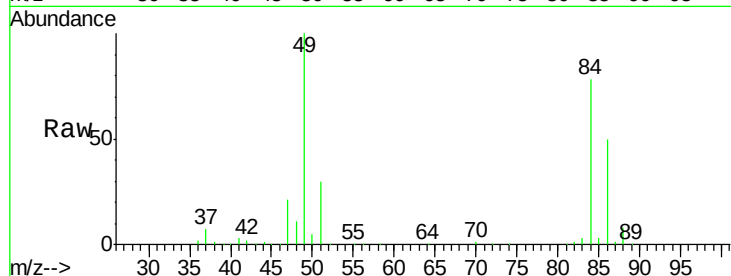




#20
Methvlene Chloride
Concen: 9392.41 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.00 min
Lab File: VX000237.D
Acq: 08 Mar 2018 22:43

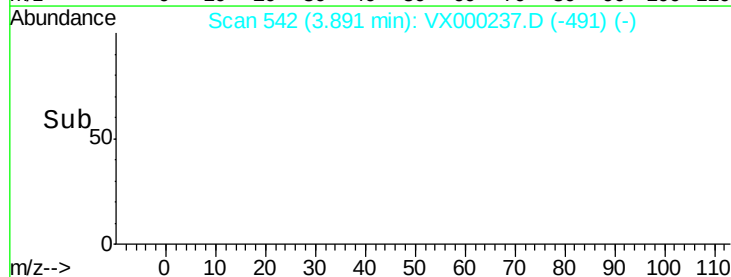
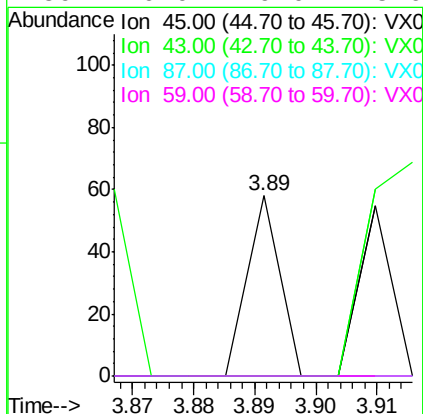
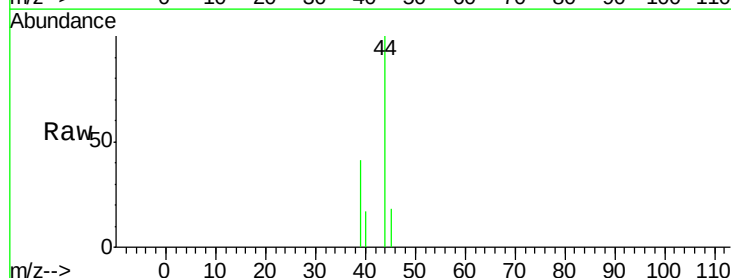
Instrument :
MSVOA_X
ClientSampleId :

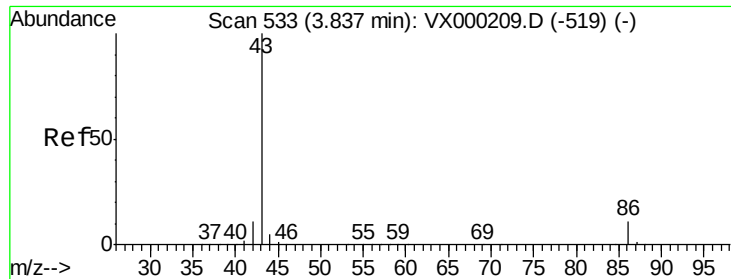
Tot Ion: 84 Resp: 314019
Ion Ratio Lower Upper
84 100
49 128.1 102.1 153.1
51 38.6 30.6 45.8
86 64.0 49.0 73.6



#22
Diisopropyl ether
Concen: 0.22 ug/l
RT: 3.89 min Scan# 542
Delta R.T. 0.01 min
Lab File: VX000237.D
Acq: 08 Mar 2018 22:43

Tgt Ion: 45 Resp: 21
Ion Ratio Lower Upper
45 100
43 0.0 53.5 80.3#
87 0.0 23.3 34.9#
59 0.0 9.0 13.6#





#23

Vinyl Acetate

Concen: 0.96 ug/l

RT: 3.85 min Scan# 535

Delta R.T. 0.01 min

Lab File: VX000237.D

Acq: 08 Mar 2018 22:43

Instrument :

MSVOA_X

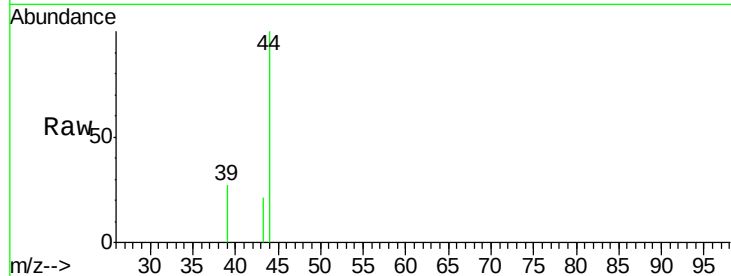
ClientSampled :

Tot Ion: 43 Resp: 87

Ion Ratio Lower Upper

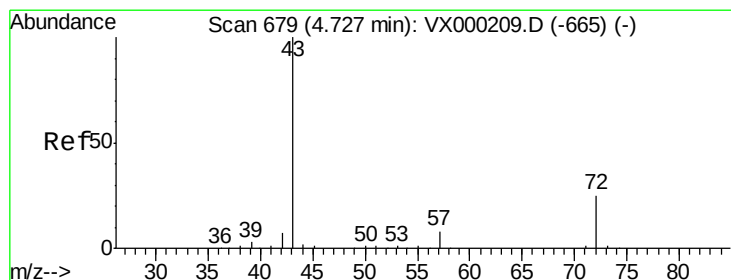
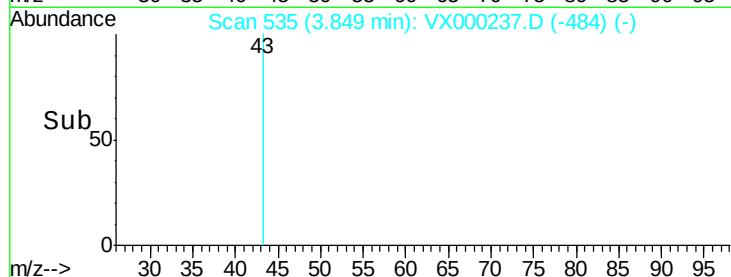
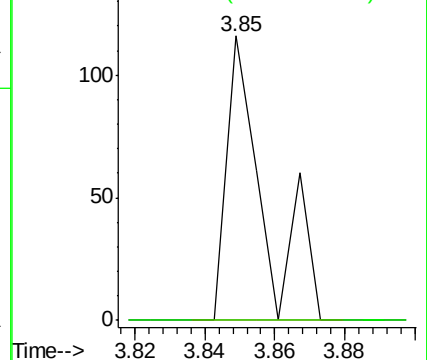
43 100

86 0.0 8.5 12.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#25

2-Butanone

Concen: 31.74 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX000237.D

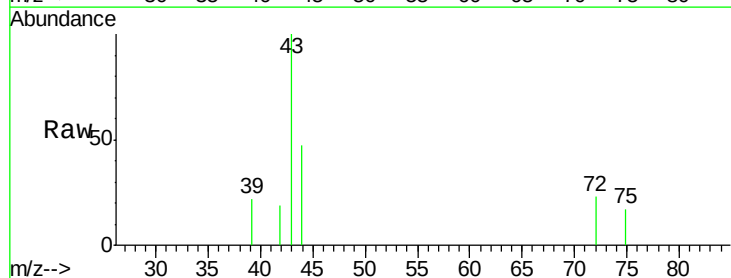
Acq: 08 Mar 2018 22:43

Tgt Ion: 43 Resp: 1098

Ion Ratio Lower Upper

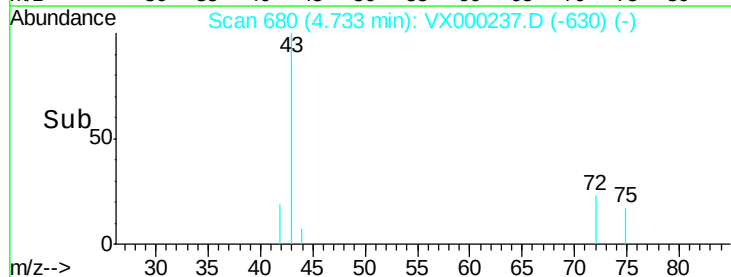
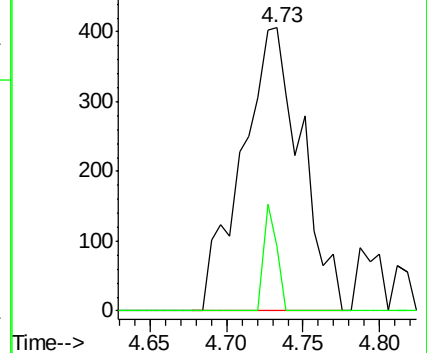
43 100

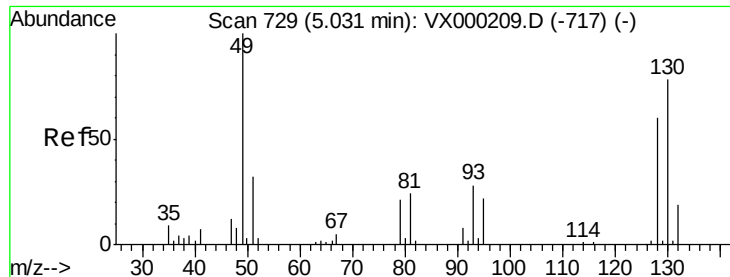
72 22.7 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: 13.73 ug/l

RT: 5.04 min Scan# 731

Delta R.T. 0.01 min

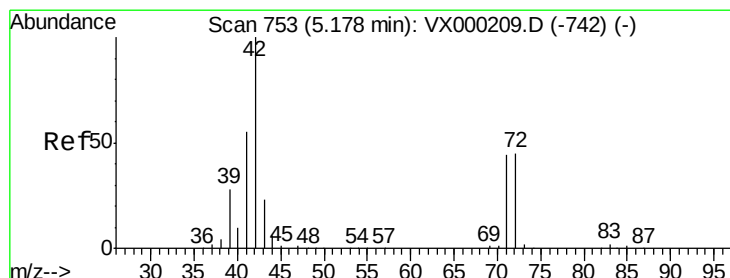
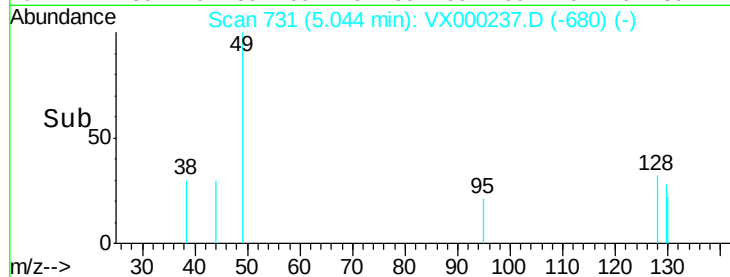
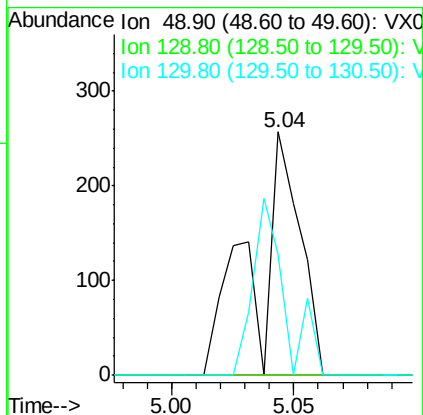
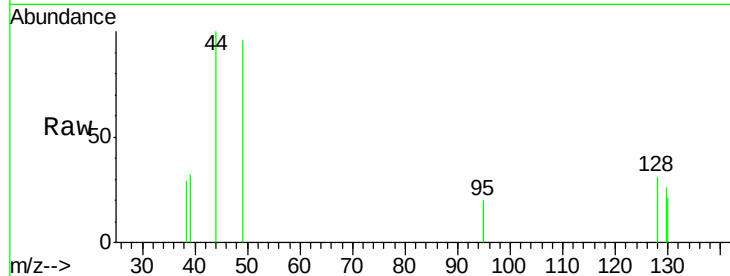
Lab File: VX000237.D

Acq: 08 Mar 2018 22:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 337

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.0
130	50.1	63.5	95.3#



#29

Tetrahydrofuran

Concen: 28.72 ug/l

RT: 5.20 min Scan# 757

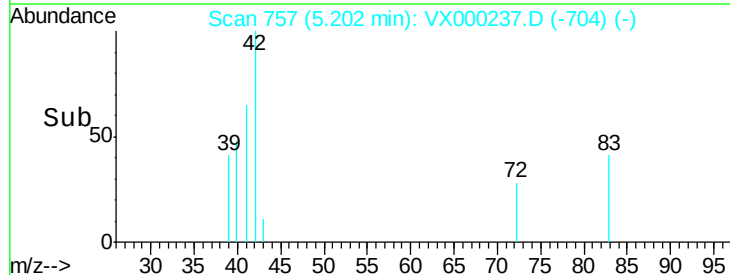
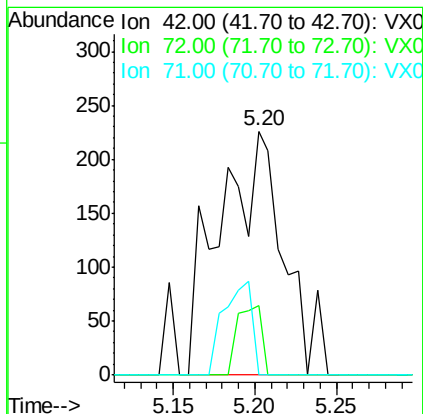
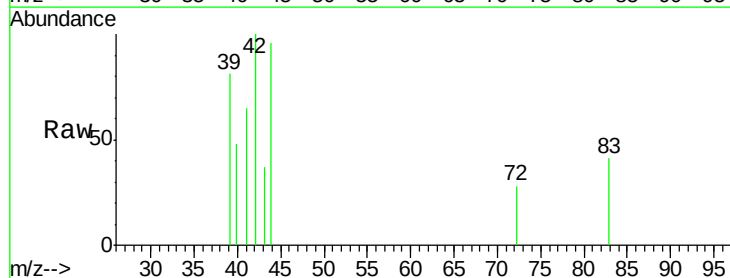
Delta R.T. 0.02 min

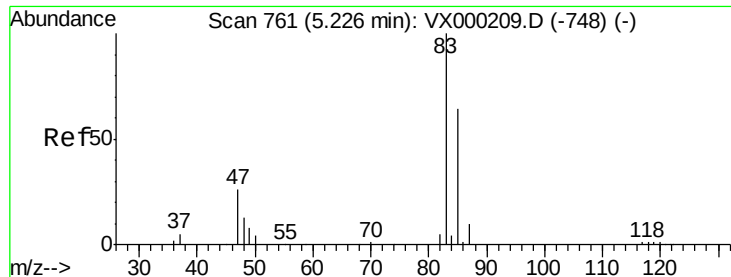
Lab File: VX000237.D

Acq: 08 Mar 2018 22:43

Tgt Ion: 42 Resp: 624

Ion	Ratio	Lower	Upper
42	100		
72	10.6	37.3	55.9#
71	16.8	35.0	52.4#

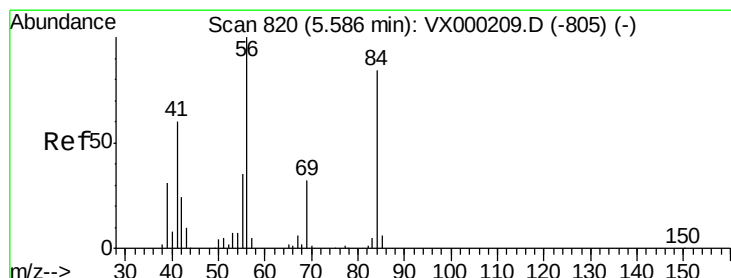
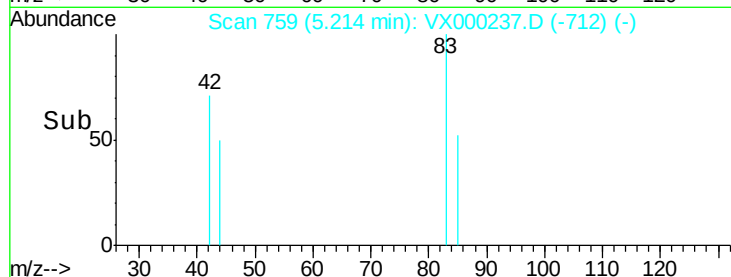
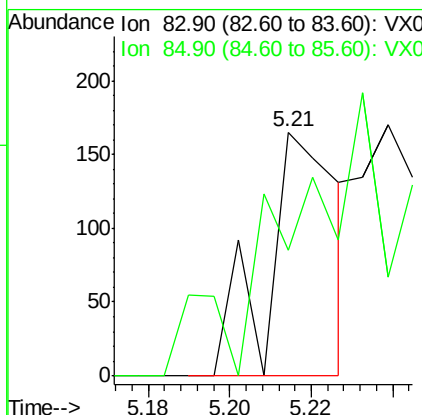
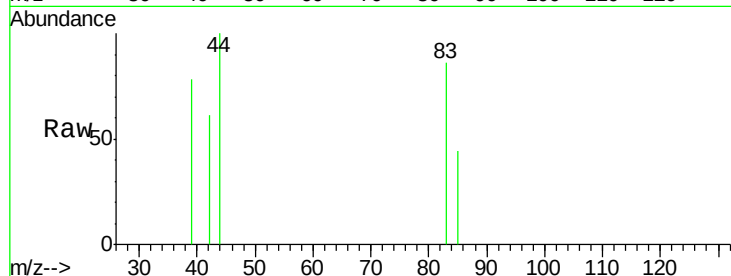




#30
Chloroform
Concen: 3.51 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX000237.D
Acq: 08 Mar 2018 22:43

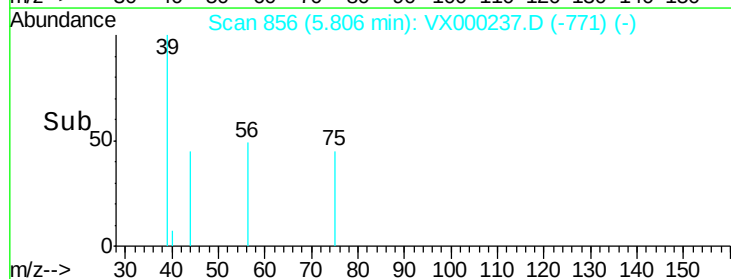
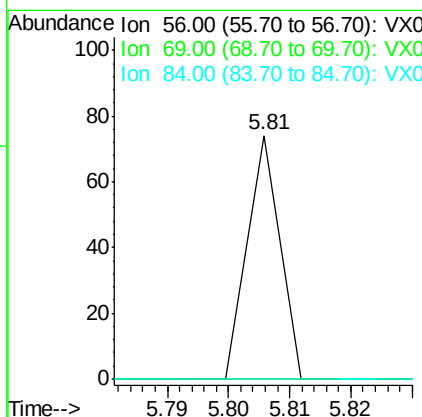
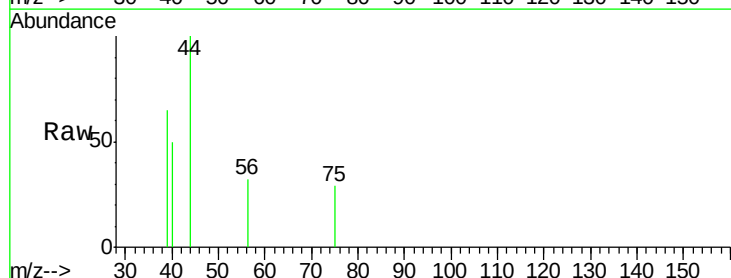
Instrument :
MSVOA_X
ClientSampled :

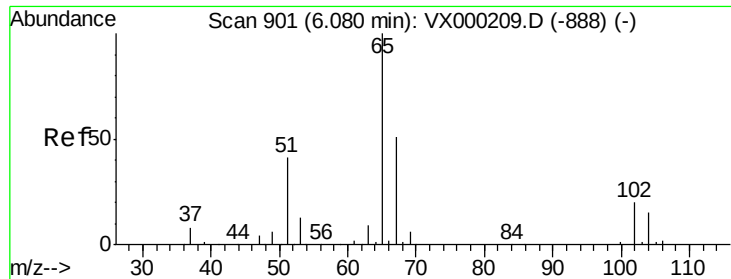
Tot Ion: 83 Resp: 196
Ion Ratio Lower Upper
83 100
85 18.2 51.0 76.6#



#31
Cyclohexane
Concen: 0.63 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.22 min
Lab File: VX000237.D
Acq: 08 Mar 2018 22:43

Tgt Ion: 56 Resp: 27
Ion Ratio Lower Upper
56 100
69 0.0 25.3 37.9#
84 0.0 67.2 100.8#

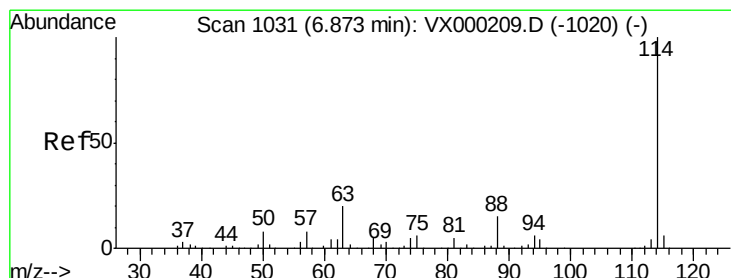
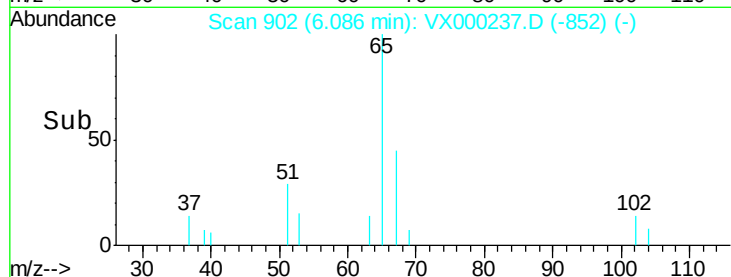
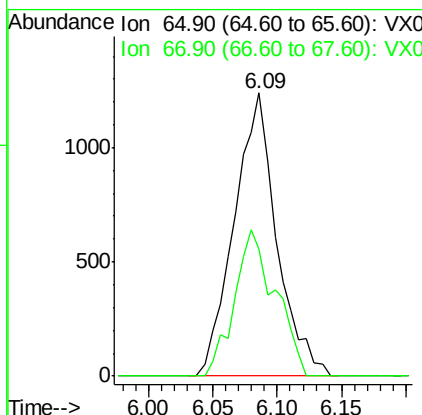
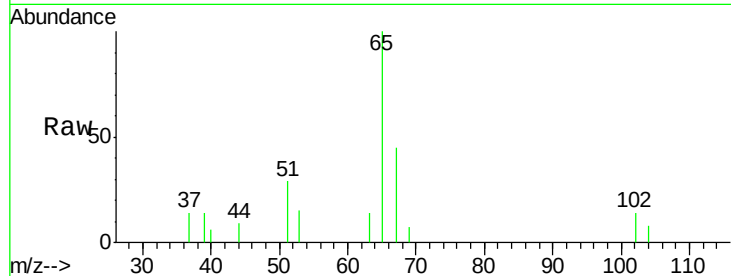




#33
 1,2-Dichloroethane-d4
 Concen: 72.78 ug/l
 RT: 6.09 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: VX000237.D
 Acq: 08 Mar 2018 22:43

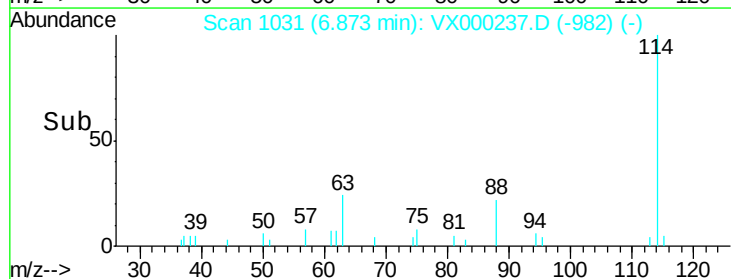
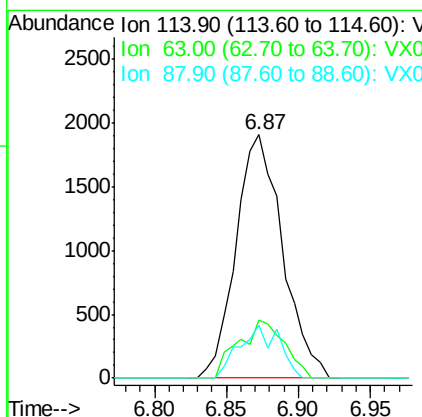
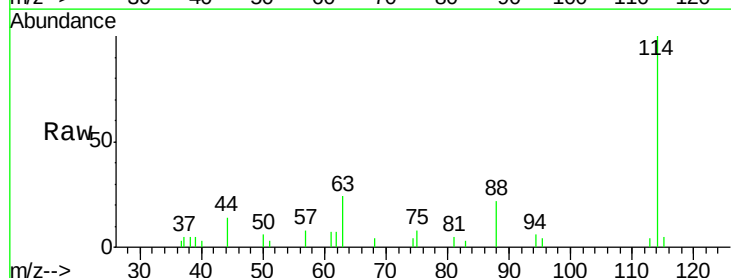
Instrument :
 MSVOA_X
 ClientSampled :

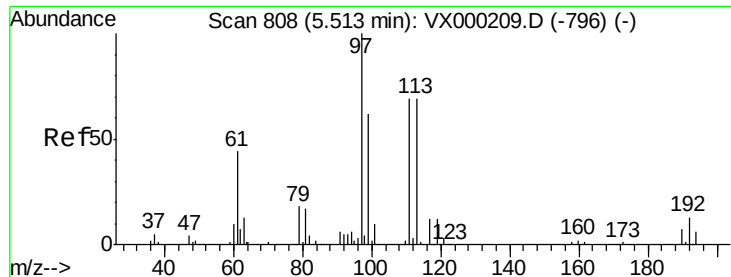
Tot Ion: 65 Resp: 2841
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000237.D
 Acq: 08 Mar 2018 22:43

Tgt Ion: 114 Resp: 4286
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 39.2
 88 21.8 0.0 29.8





#35

Dibromofluoromethane

Concen: 62.10 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000237.D

Acq: 08 Mar 2018 22:43

Instrument :

MSVOA_X

ClientSampled :

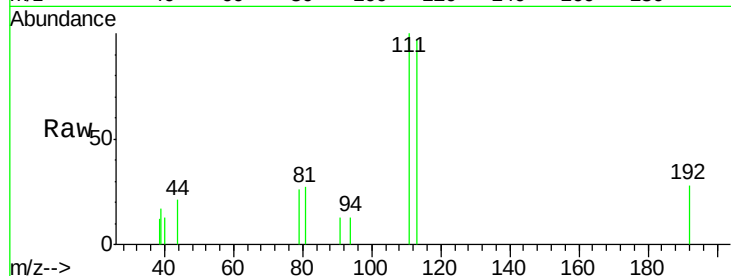
Tot Ion:113 Resp: 1672

Ion Ratio Lower Upper

113 100

111 110.6 83.0 124.6

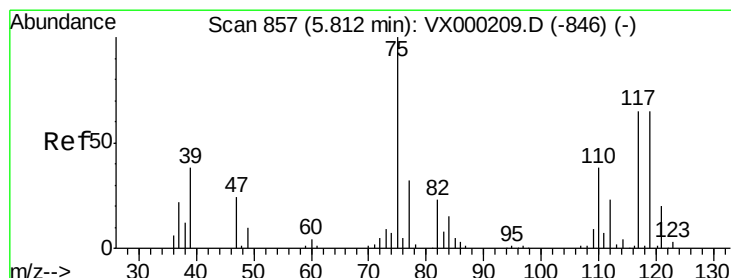
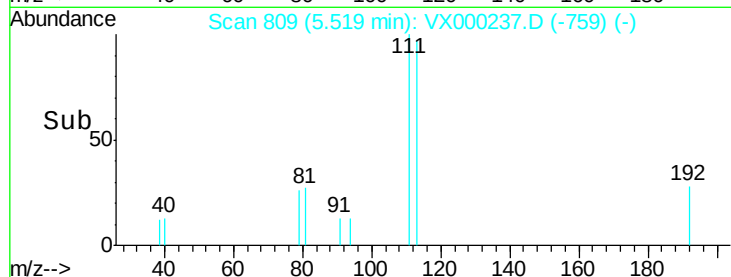
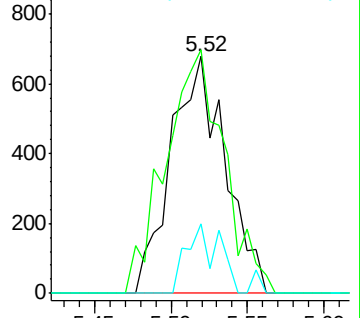
192 17.6 15.5 23.3



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: 0.66 ug/l

RT: 5.81 min Scan# 856

Delta R.T. -0.01 min

Lab File: VX000237.D

Acq: 08 Mar 2018 22:43

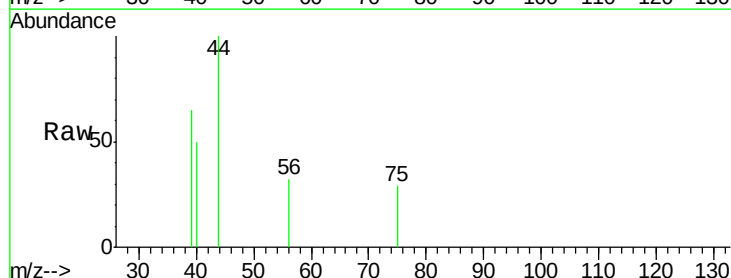
Tgt Ion: 75 Resp: 25

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.5#

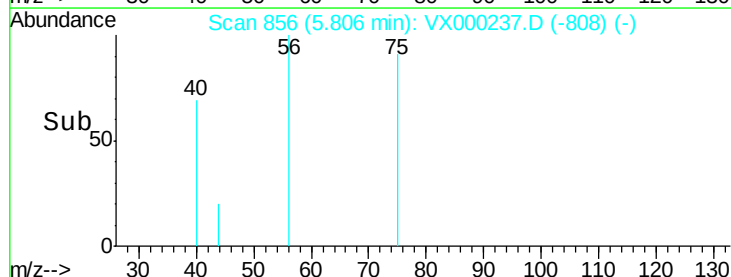
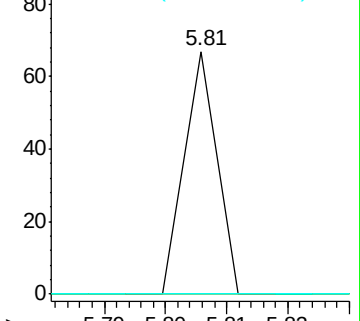
77 0.0 24.9 37.3#

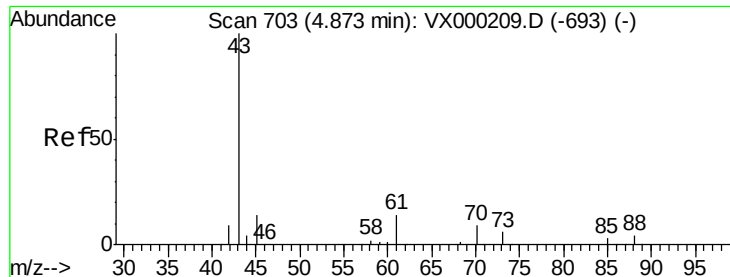


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

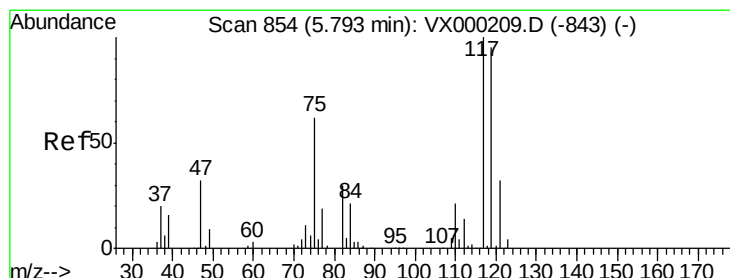
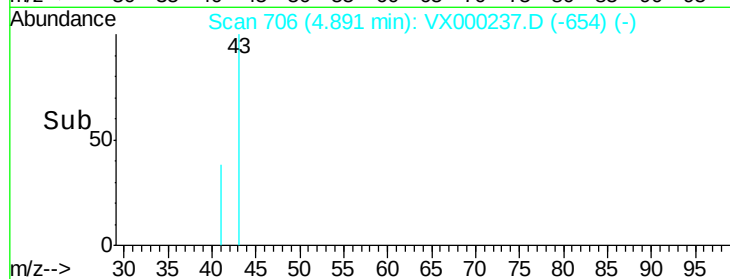
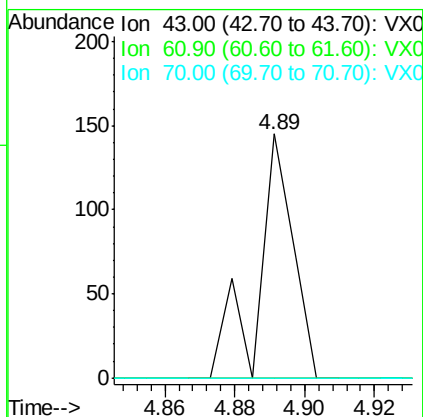
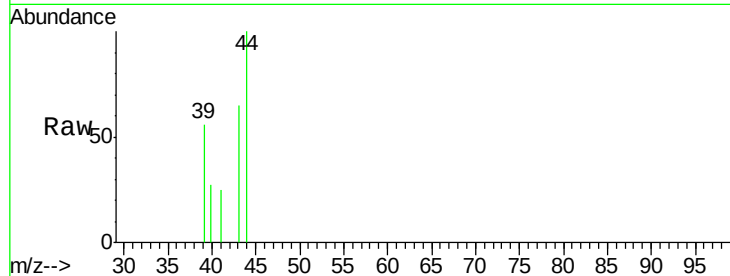




#37
Ethyl Acetate
Concen: 1.83 ug/l
RT: 4.89 min Scan# 706
Delta R.T. 0.02 min
Lab File: VX000237.D
Acq: 08 Mar 2018 22:43

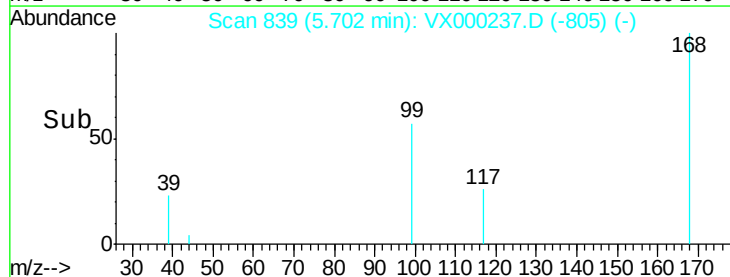
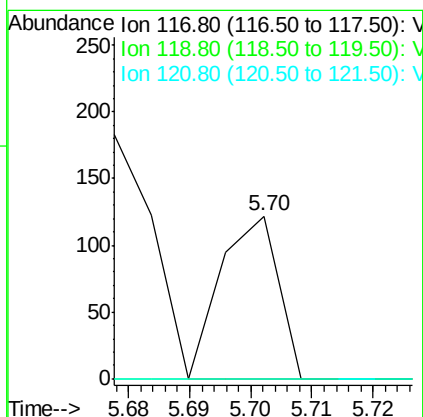
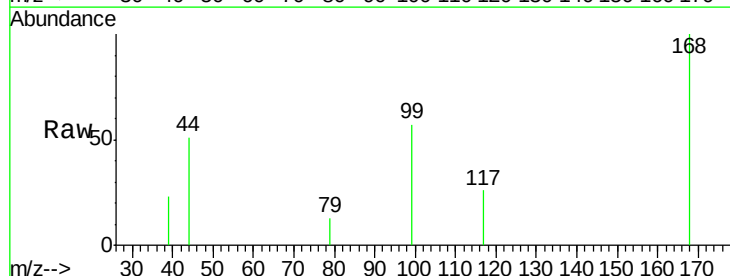
Instrument :
MSVOA_X
ClientSampleId :

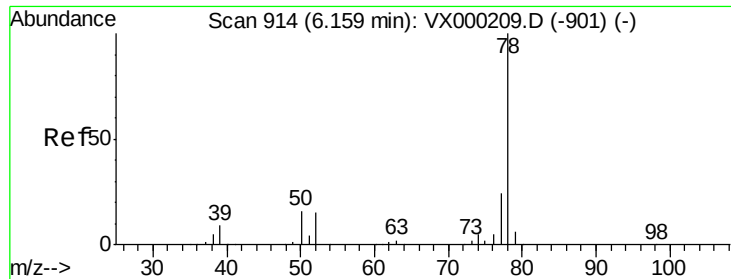
Tot Ion: 43 Resp: 101
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 0.0 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 2.05 ug/l
RT: 5.70 min Scan# 839
Delta R.T. -0.09 min
Lab File: VX000237.D
Acq: 08 Mar 2018 22:43

Tgt Ion: 117 Resp: 79
Ion Ratio Lower Upper
117 100
119 0.0 75.9 113.9#
121 0.0 25.8 38.6#





#40

Benzene

Concen: 0.42 ug/l

RT: 5.97 min Scan# 883

Delta R.T. -0.19 min

Lab File: VX000237.D

Acq: 08 Mar 2018 22:43

Instrument :

MSVOA_X

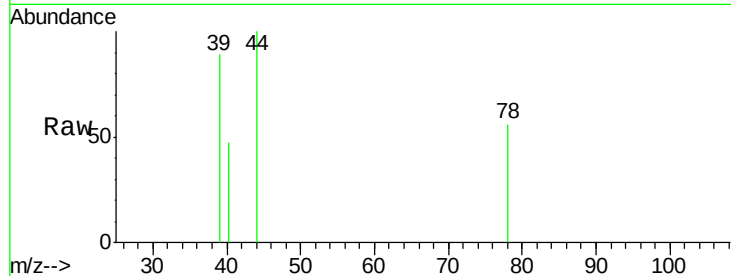
ClientSampled :

Tot Ion: 78 Resp: 46

Ion Ratio Lower Upper

78 100

77 0.0 19.4 29.2#

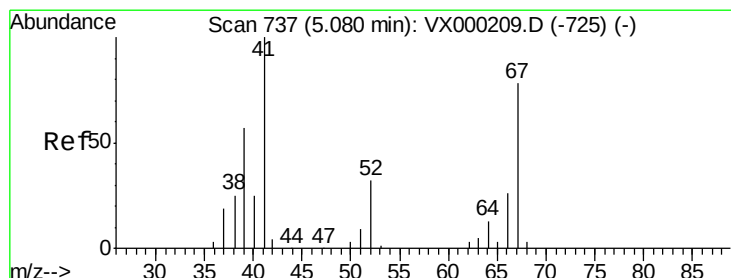
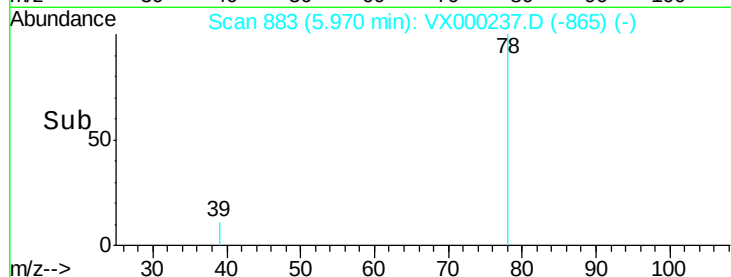


Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

5.97

Time-->



#41

Methacrylonitrile

Concen: 0.75 ug/l

RT: 5.09 min Scan# 738

Delta R.T. 0.01 min

Lab File: VX000237.D

Acq: 08 Mar 2018 22:43

Tgt Ion: 41 Resp: 21

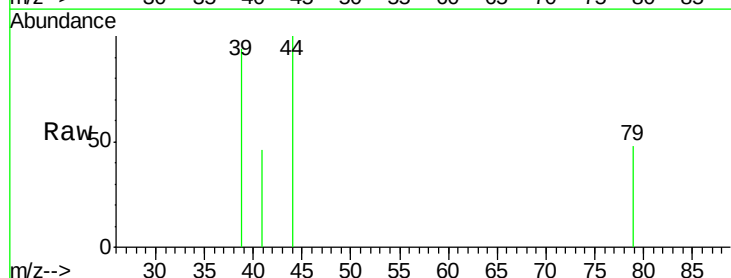
Ion Ratio Lower Upper

41 100

39 795.2 47.8 71.6#

67 0.0 59.3 88.9#

52 0.0 26.4 39.6#



Abundance Ion 41.00 (40.70 to 41.70): VX0

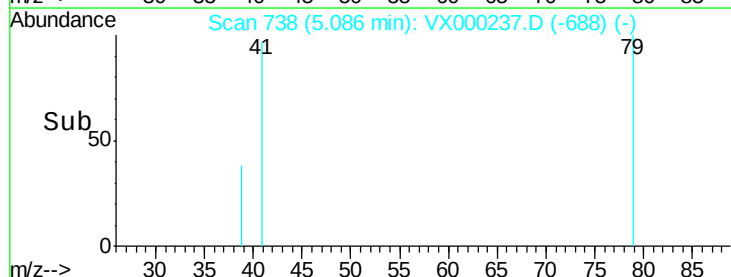
Ion 39.00 (38.70 to 39.70): VX0

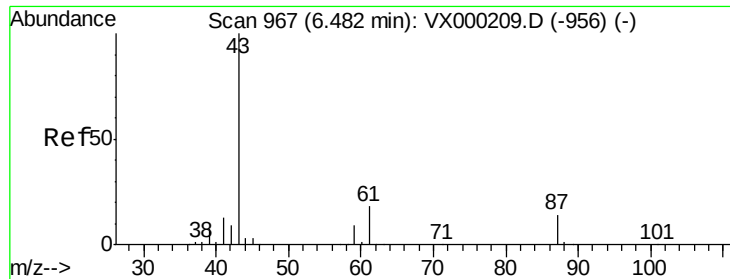
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

5.09

Time-->



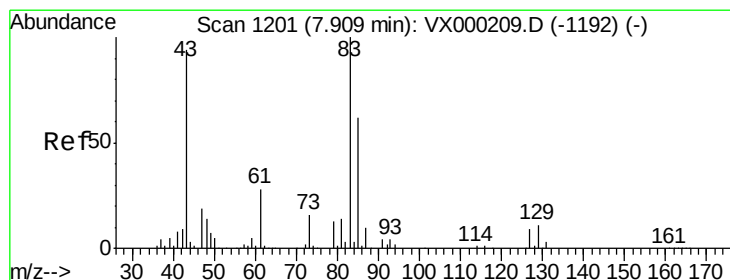
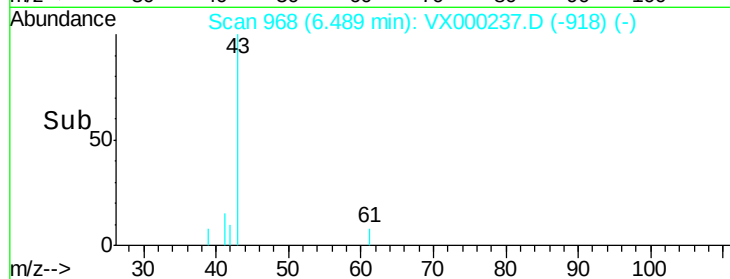
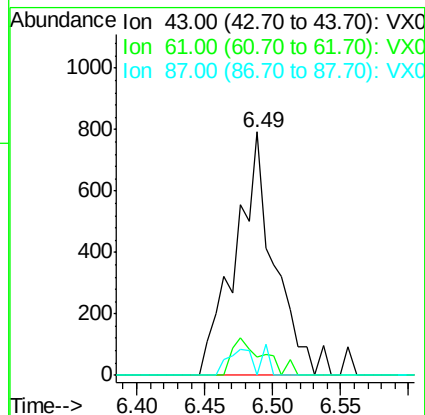
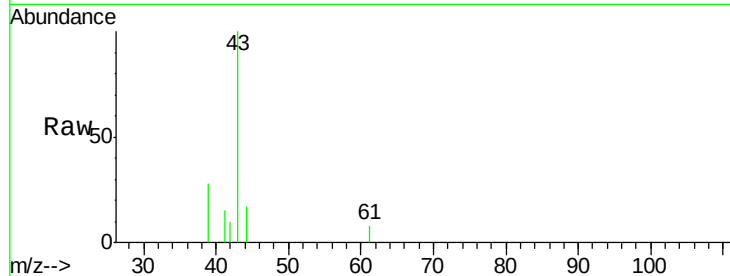


#43

Isopropyl Acetate
 Concen: 19.93 ug/l
 RT: 6.49 min Scan# 968
 Delta R.T. 0.01 min
 Lab File: VX000237.D
 Acq: 08 Mar 2018 22:43

Instrument :
 MSVOA_X
 ClientSampled :

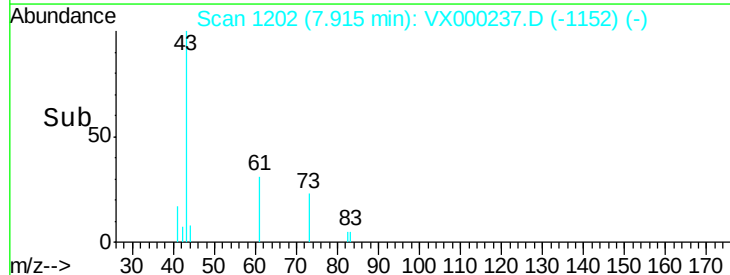
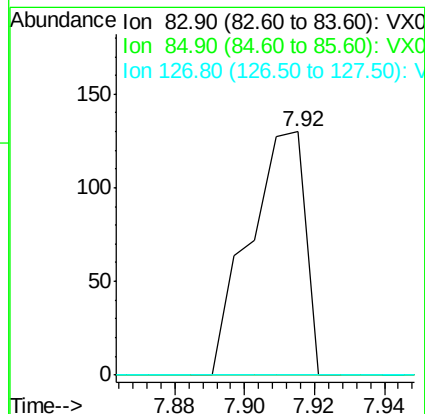
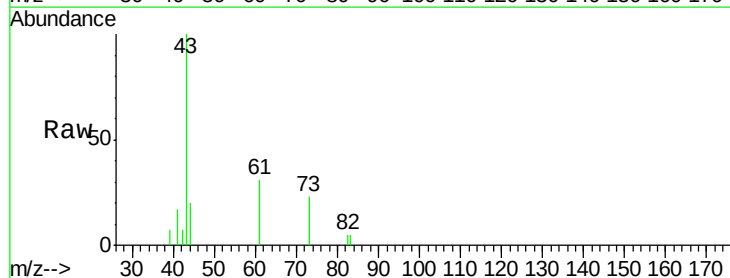
Tot Ion	43	61	87
Resp	1588		
Ratio	100	12.5	6.4
Lower		14.8	10.6
Upper		22.2#	16.0#

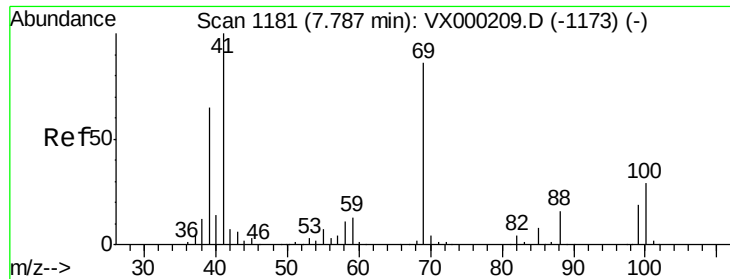


#47

Bromodichloromethane
 Concen: 3.71 ug/l
 RT: 7.92 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VX000237.D
 Acq: 08 Mar 2018 22:43

Tgt Ion	83	85	127
Resp	144		
Ratio	100	0.0	0.0
Lower		49.6	7.0
Upper		74.4#	10.4#

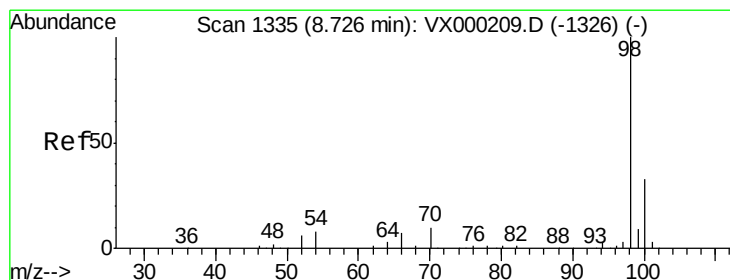
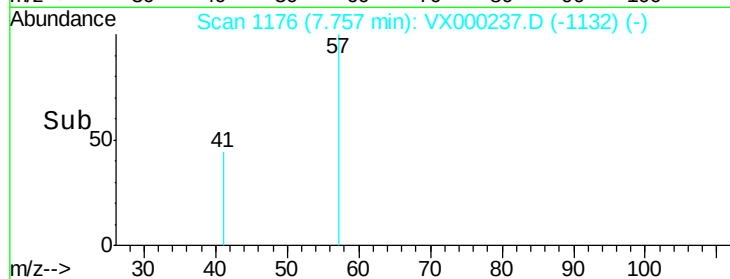
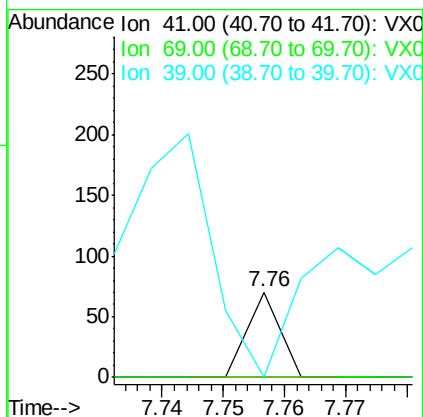
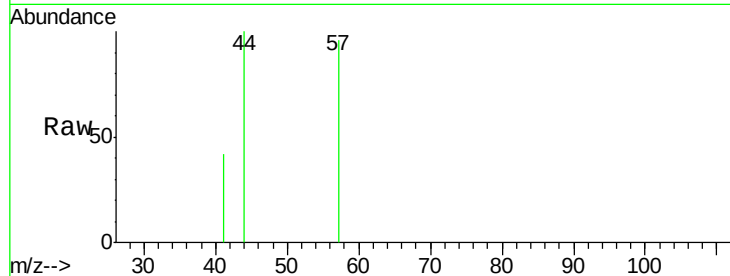




#48
Methvl methacrylate
Concen: 0.66 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.03 min
Lab File: VX000237.D
Acq: 08 Mar 2018 22:43

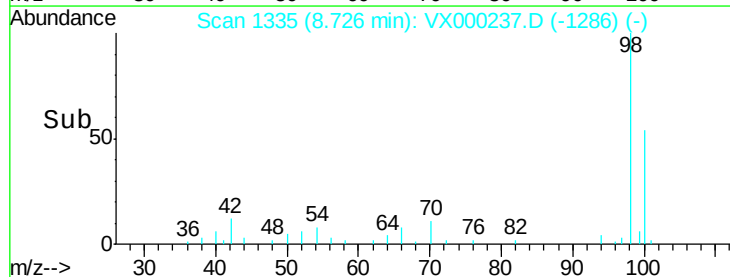
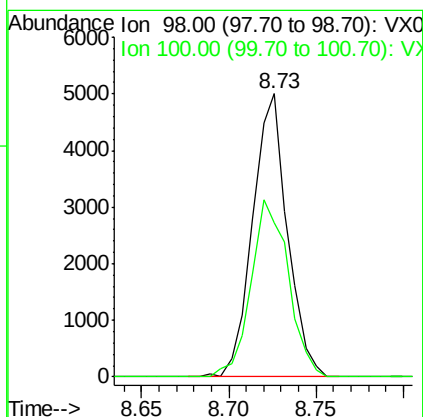
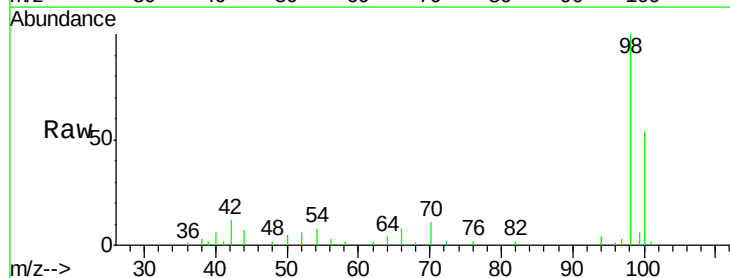
Instrument :
MSVOA_X
ClientSampleId :

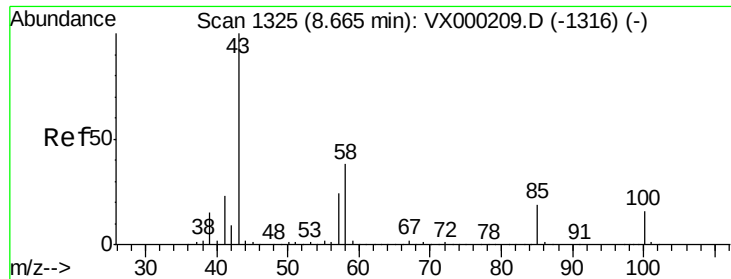
Tot Ion: 41 Resp: 26
Ion Ratio Lower Upper
41 100
69 0.0 70.0 105.0#
39 603.8 53.6 80.4#



#50
Toluene-d8
Concen: 62.28 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000237.D
Acq: 08 Mar 2018 22:43

Tgt Ion: 98 Resp: 6945
Ion Ratio Lower Upper
98 100
100 67.2 51.2 76.8

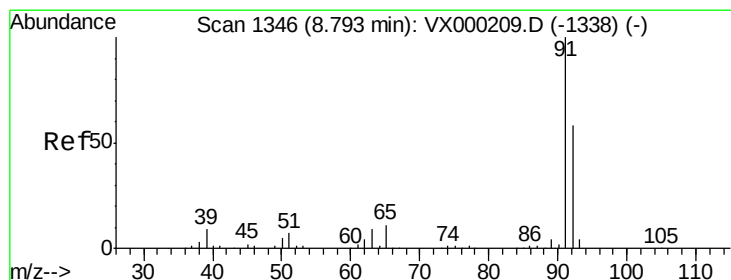
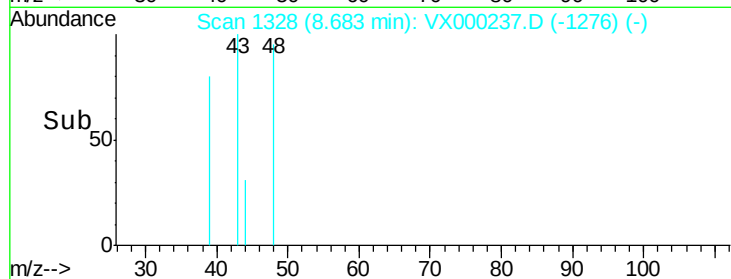
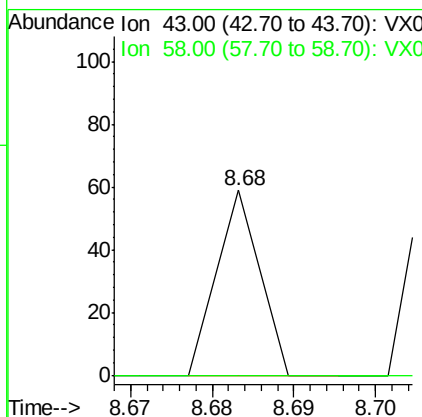
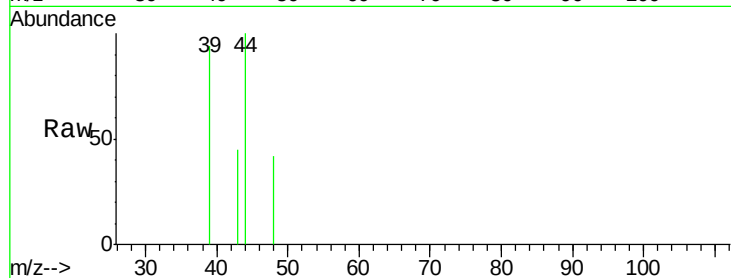




#51
 4-Methyl-2-Pentanone
 Concen: 0.37 ug/l
 RT: 8.68 min Scan# 1328
 Delta R.T. 0.02 min
 Lab File: VX000237.D
 Acq: 08 Mar 2018 22:43

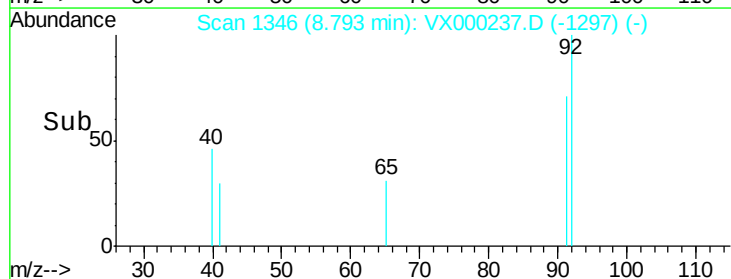
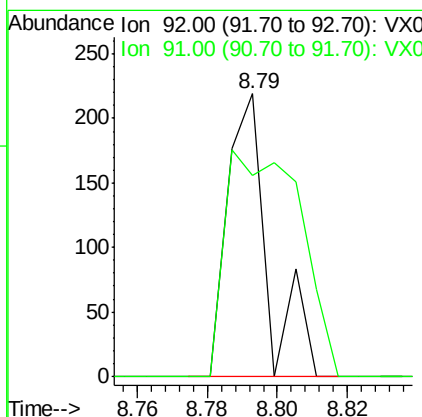
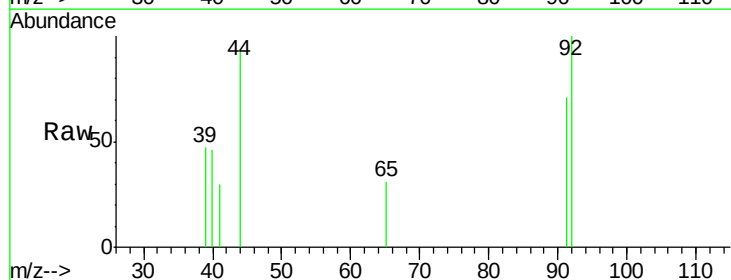
Instrument :
 MSVOA_X
 ClientSampled :

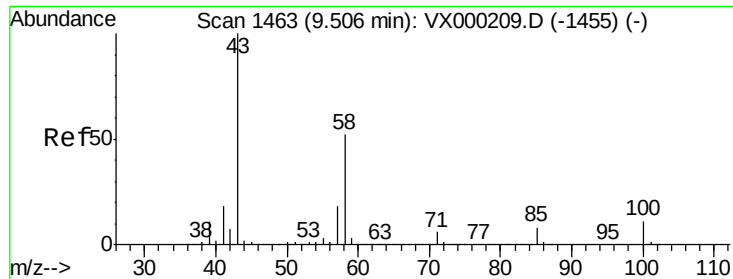
Tot Ion: 43 Resp: 22
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.2 45.2#



#52
 Toluene
 Concen: 2.32 ug/l
 RT: 8.79 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VX000237.D
 Acq: 08 Mar 2018 22:43

Tgt Ion: 92 Resp: 175
 Ion Ratio Lower Upper
 92 100
 91 149.7 139.0 208.6

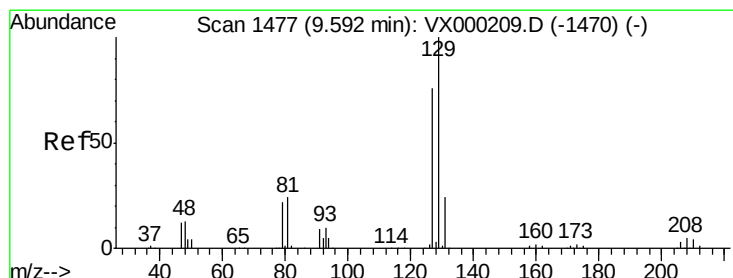
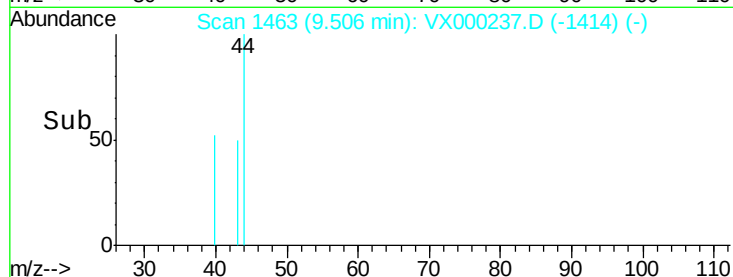
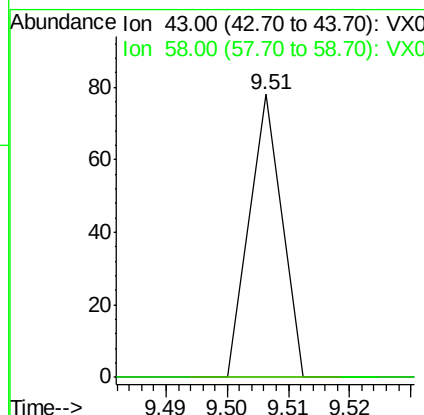
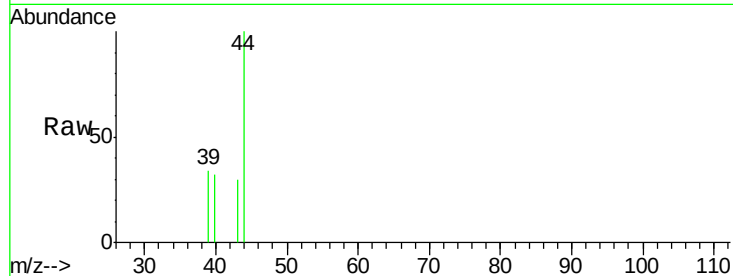




#59
 2-Hexanone
 Concen: 0.57 ug/l
 RT: 9.51 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VX000237.D
 Acq: 08 Mar 2018 22:43

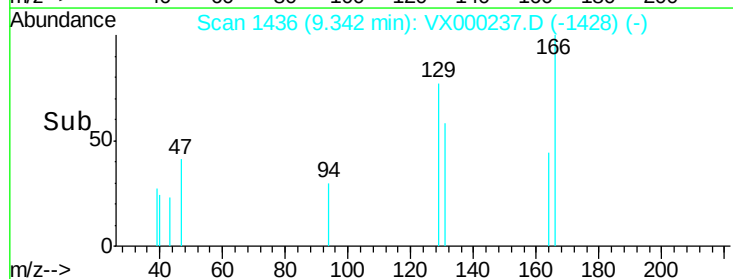
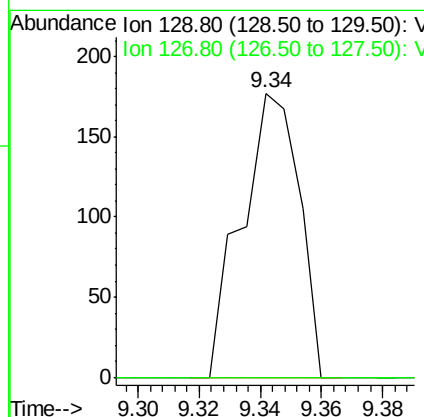
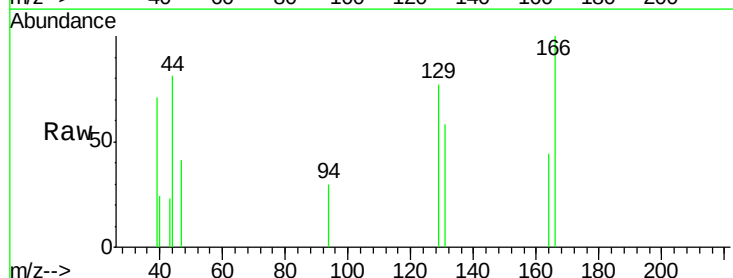
Instrument :
 MSVOA_X
 ClientSampled :

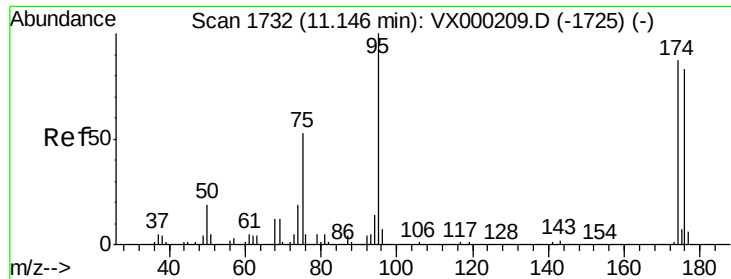
Tot Ion: 43 Resp: 29
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.6 79.7#



#60
 Dibromochloromethane
 Concen: 7.18 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: VX000237.D
 Acq: 08 Mar 2018 22:43

Tgt Ion: 129 Resp: 231
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.1 117.2#

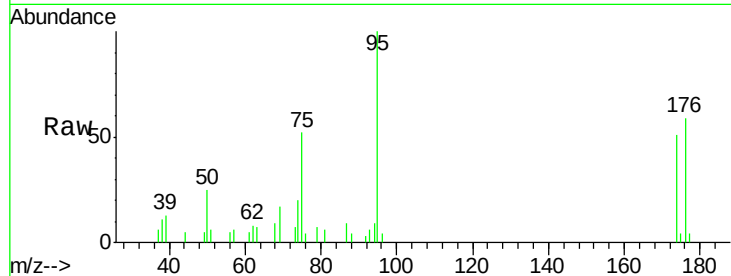




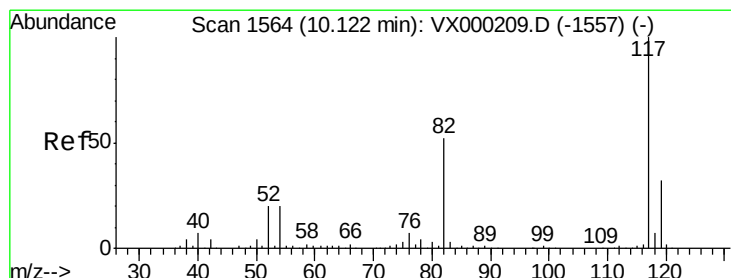
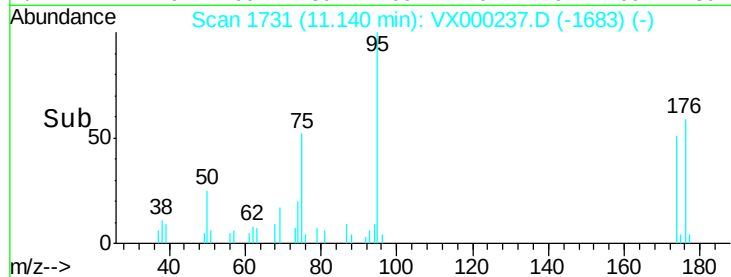
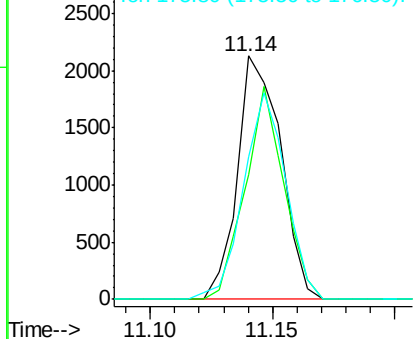
#62
4-Bromofluorobenzene
Concen: 60.18 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.01 min
Lab File: VX000237.D
Acq: 08 Mar 2018 22:43

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 95 Resp: 2619
Ion Ratio Lower Upper
95 100
174 78.6 0.0 175.6
176 83.3 0.0 171.0

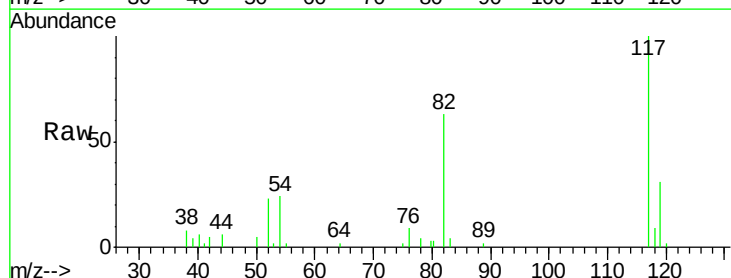


Abundance Ion 94.90 (94.60 to 95.60): VX
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

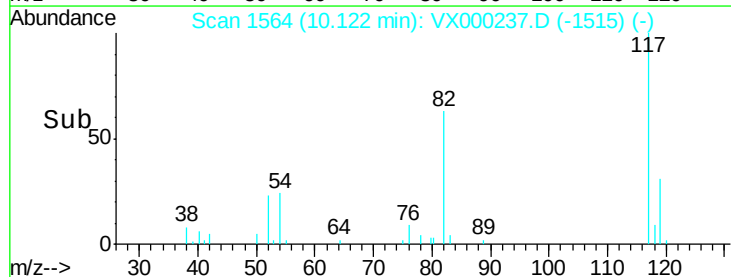
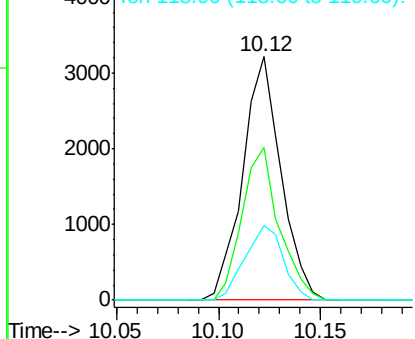


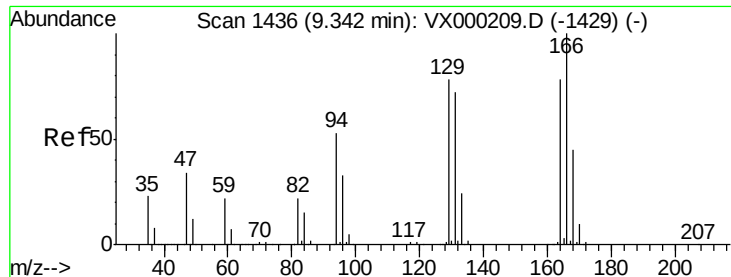
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000237.D
Acq: 08 Mar 2018 22:43

Tgt Ion: 117 Resp: 4212
Ion Ratio Lower Upper
117 100
82 62.5 42.0 63.0
119 30.9 25.3 37.9



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

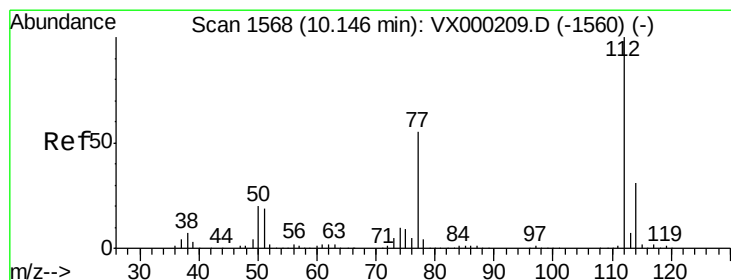
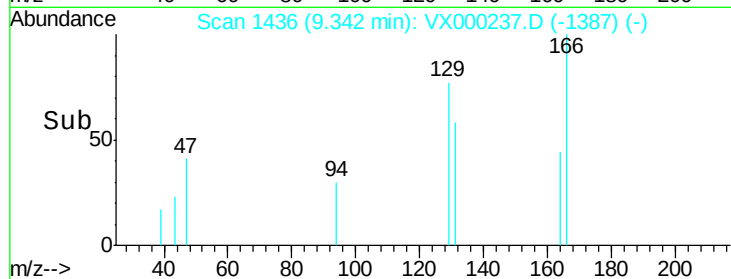
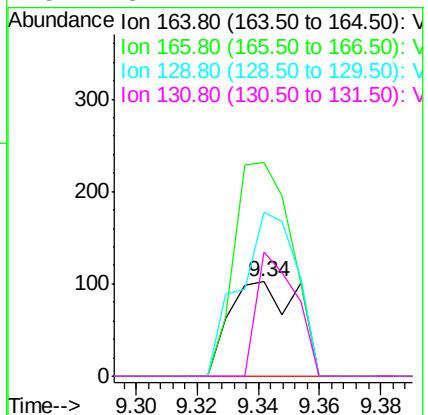
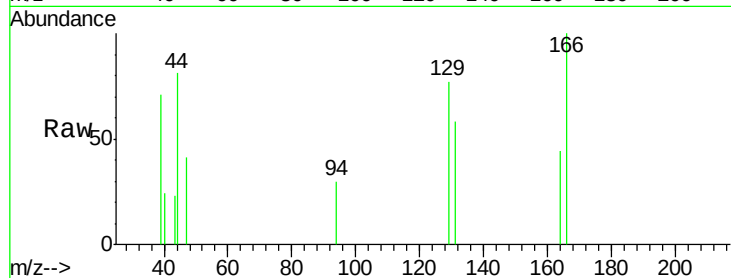




#64
Tetrachloroethene
Concen: 5.33 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000237.D
Acq: 08 Mar 2018 22:43

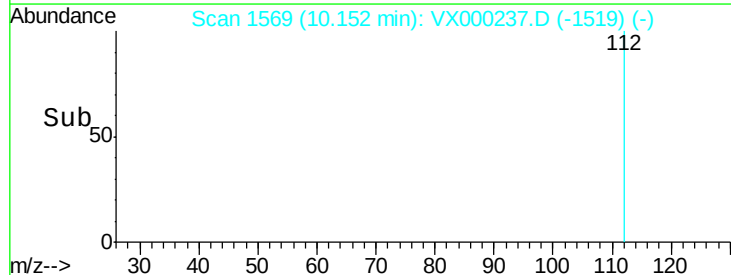
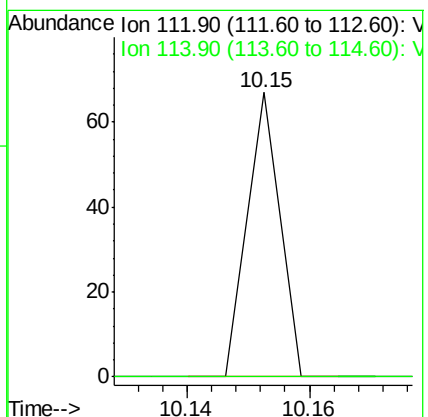
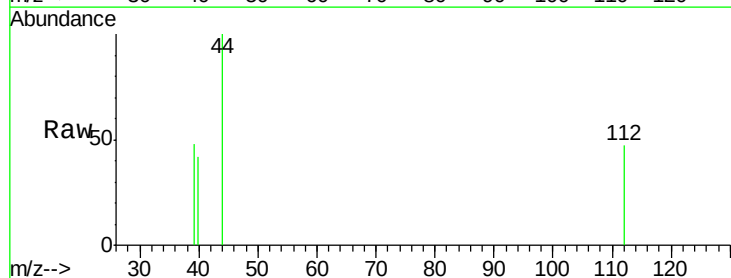
Instrument :
MSVOA_X
ClientSampled :

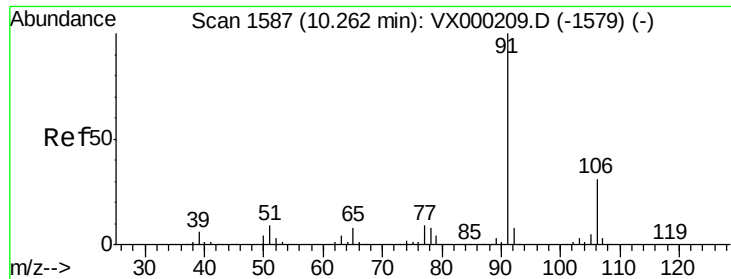
Tot Ion:164 Resp: 157
Ion Ratio Lower Upper
164 100
166 226.5 103.0 154.6#
129 173.5 80.2 120.4#
131 131.4 74.2 111.4#



#65
Chlorobenzene
Concen: 0.29 ug/l
RT: 10.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX000237.D
Acq: 08 Mar 2018 22:43

Tgt Ion:112 Resp: 25
Ion Ratio Lower Upper
112 100
114 0.0 25.0 37.4#

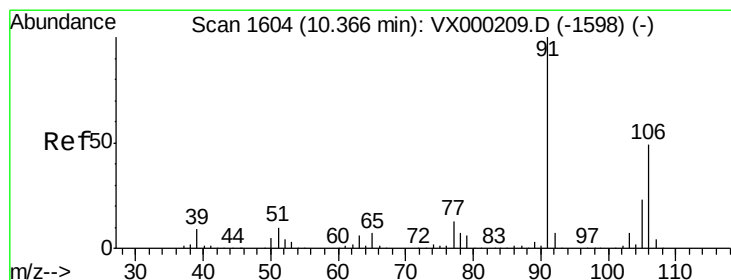
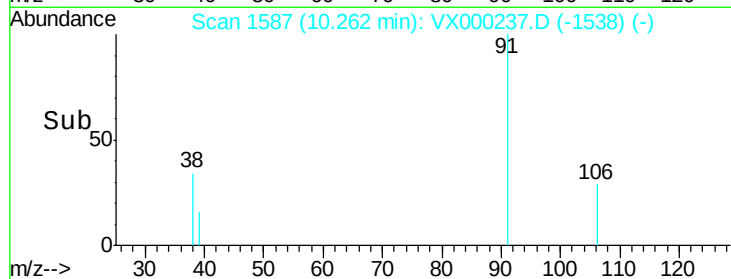
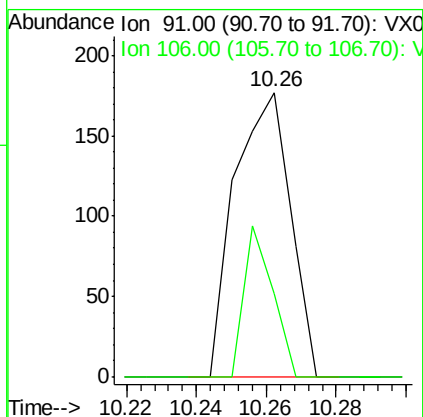
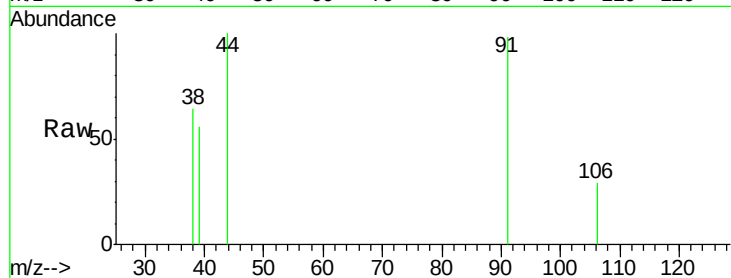




#67
Ethyl Benzene
Concen: 1.31 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VX000237.D
Acq: 08 Mar 2018 22:43

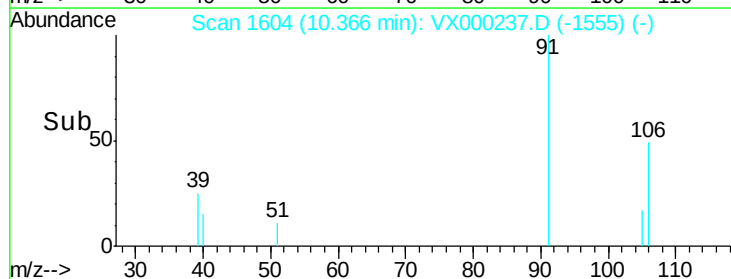
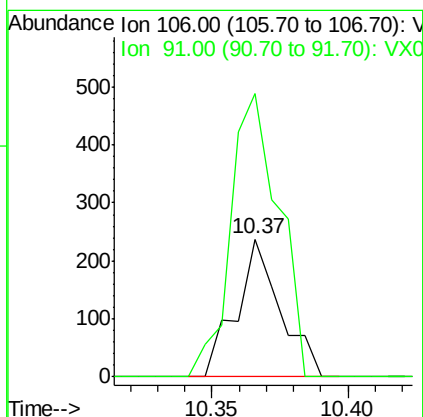
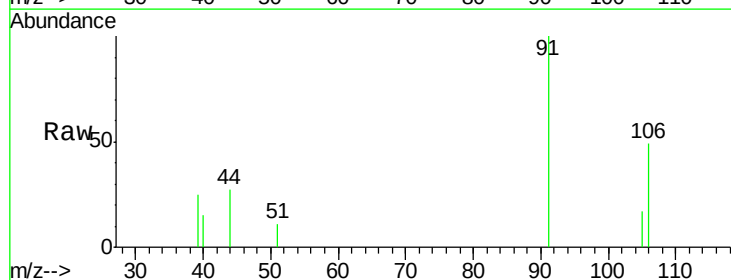
Instrument :
MSVOA_X
ClientSampled :

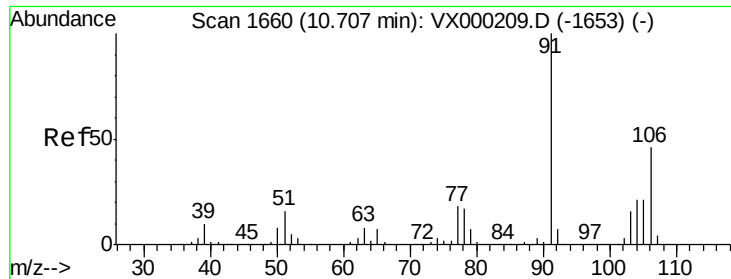
Tot Ion: 91 Resp: 195
Ion Ratio Lower Upper
91 100
106 29.4 25.2 37.8



#68
m/p-Xylenes
Concen: 4.67 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000237.D
Acq: 08 Mar 2018 22:43

Tgt Ion: 106 Resp: 267
Ion Ratio Lower Upper
106 100
91 223.6 160.9 241.3

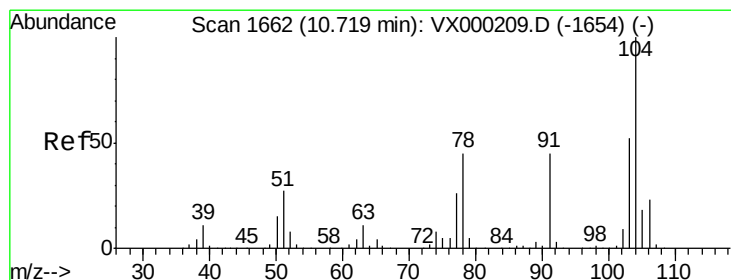
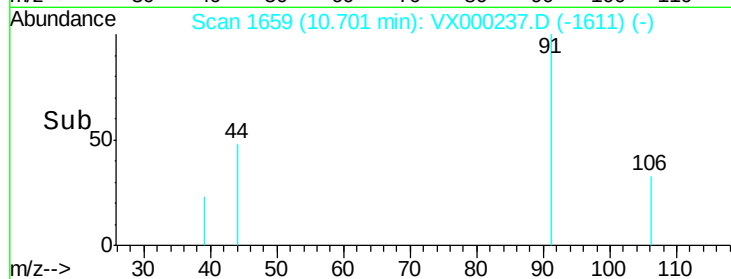
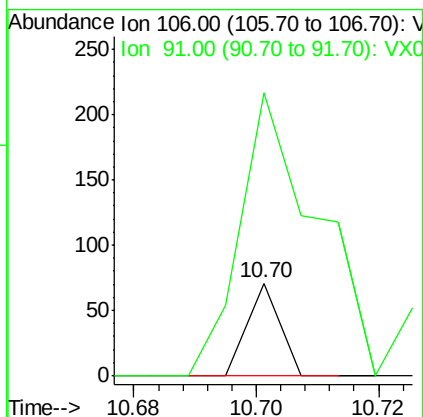
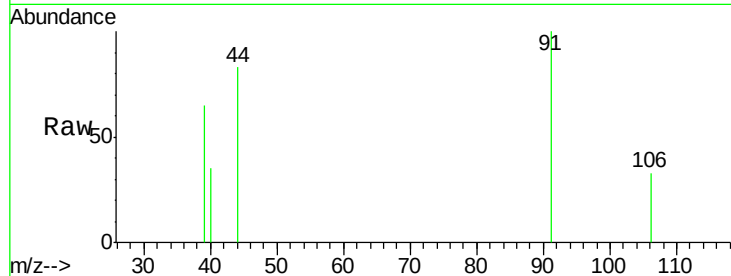




#69
o-Xylene
Concen: 0.47 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX000237.D
Acq: 08 Mar 2018 22:43

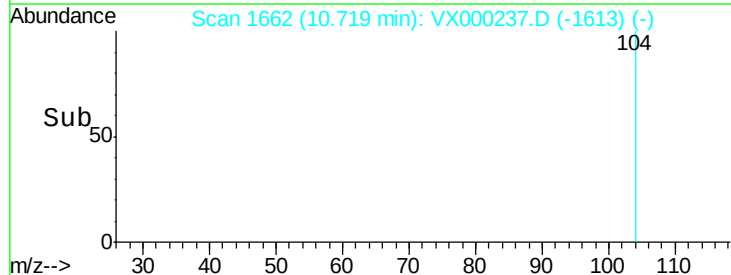
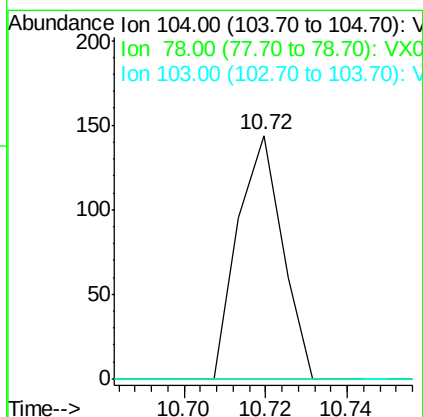
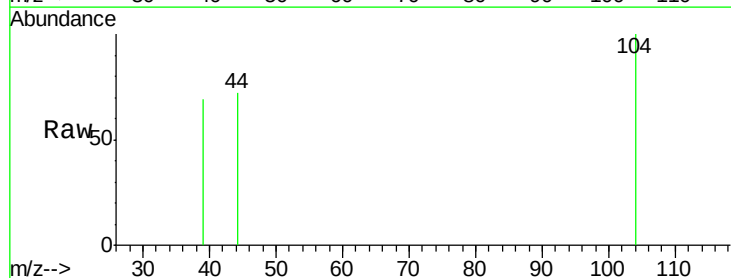
Instrument :
MSVOA_X
ClientSampled :

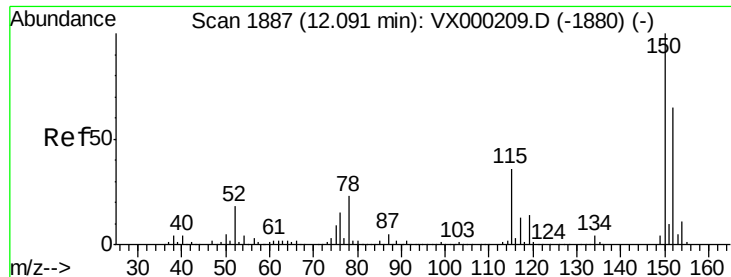
Tot Ion:106 Resp: 26
Ion Ratio Lower Upper
106 100
91 792.3 105.9 317.7#



#70
Styrene
Concen: 1.20 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000237.D
Acq: 08 Mar 2018 22:43

Tgt Ion:104 Resp: 109
Ion Ratio Lower Upper
104 100
78 0.0 39.6 59.4#
103 0.0 45.0 67.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VX000237.D

Acq: 08 Mar 2018 22:43

Instrument :

MSVOA_X

ClientSampled :

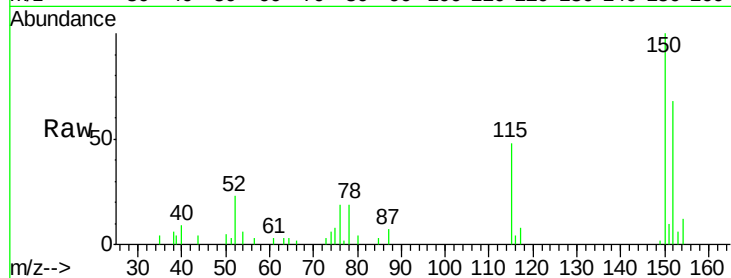
Tot Ion:152 Resp: 2477

Ion Ratio Lower Upper

152 100

115 61.9 39.8 119.3

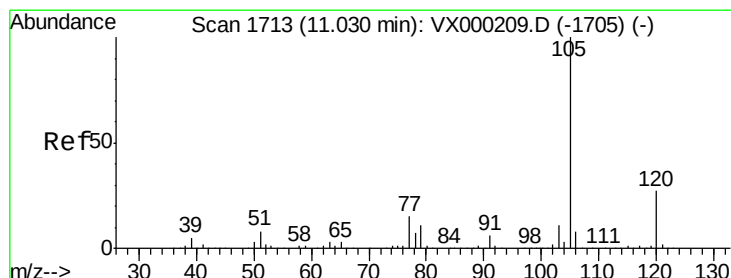
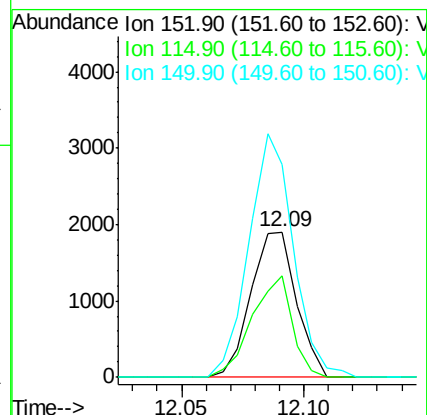
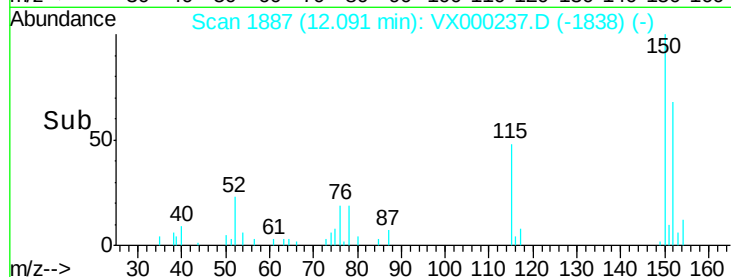
150 163.2 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.74 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.01 min

Lab File: VX000237.D

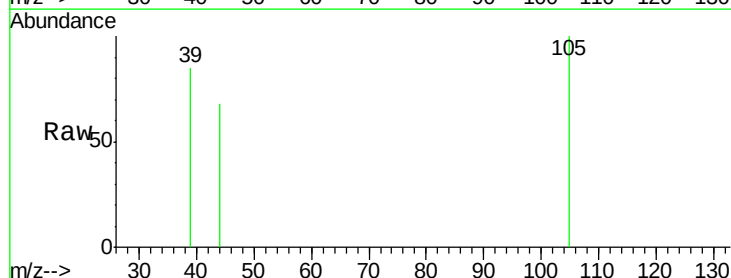
Acq: 08 Mar 2018 22:43

Tgt Ion:105 Resp: 115

Ion Ratio Lower Upper

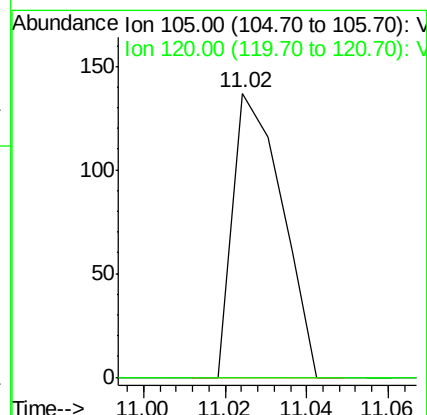
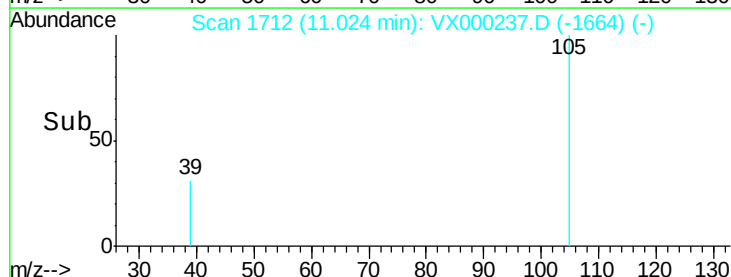
105 100

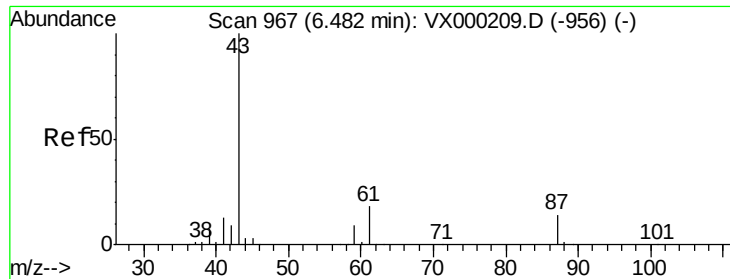
120 0.0 13.5 40.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

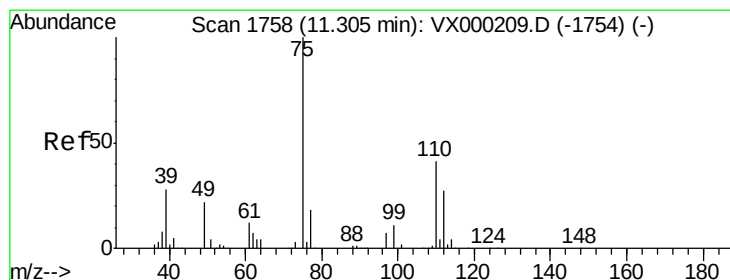
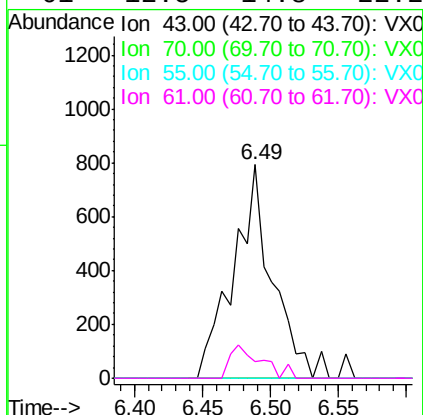
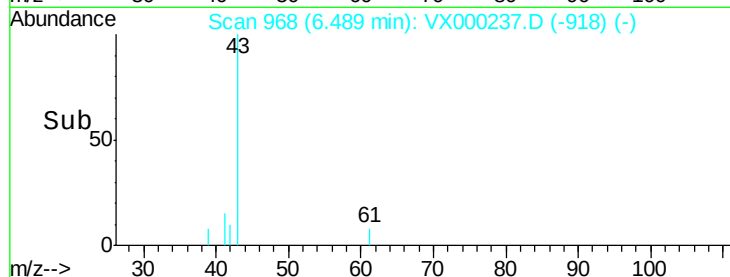
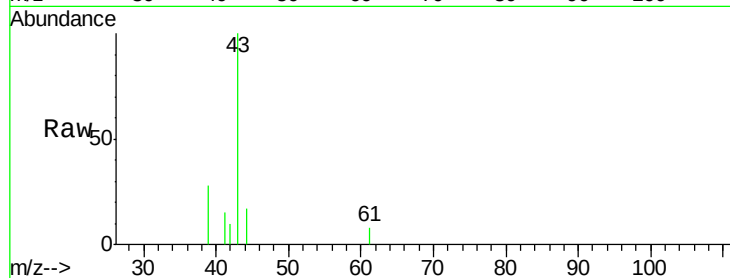




#74
N-amvl acetate
Concen: 20.01 ug/l
RT: 6.49 min Scan# 968
Delta R.T. 0.01 min
Lab File: VX000237.D
Acq: 08 Mar 2018 22:43

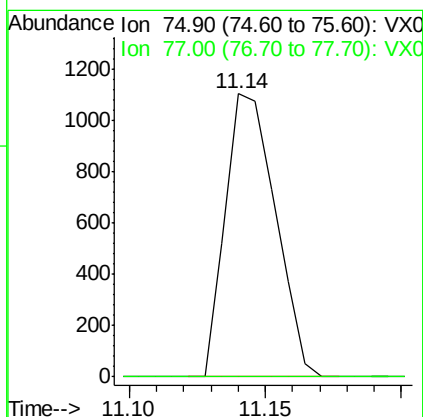
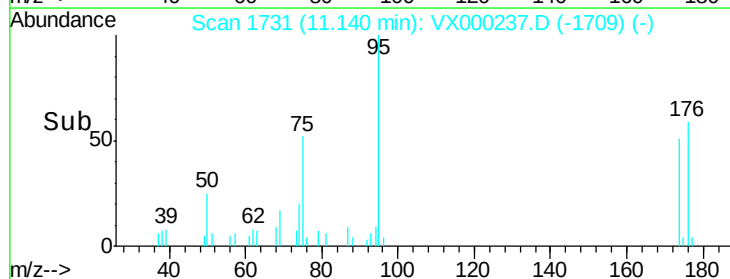
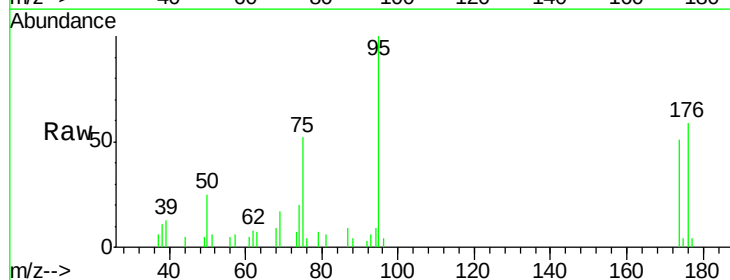
Instrument :
MSVOA_X
ClientSampleId :

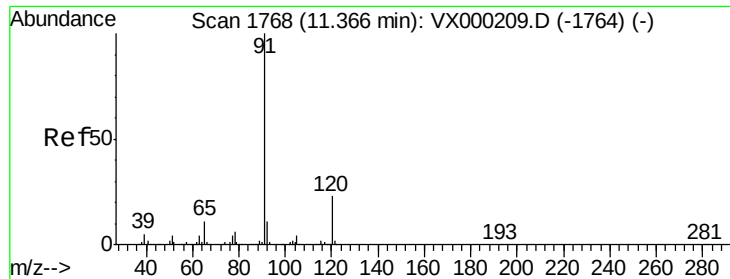
Tot Ion: 43 Resp: 1588
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.0 0.0 0.0
61 12.5 14.8 22.2#



#76
1,2,3-Trichloropropane
Concen: 28.38 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.16 min
Lab File: VX000237.D
Acq: 08 Mar 2018 22:43

Tgt Ion: 75 Resp: 1409
Ion Ratio Lower Upper
75 100
77 0.0 22.3 66.8#





#78

n-propylbenzene

Concen: 1.29 ug/l

RT: 11.52 min Scan# 1794

Delta R.T. 0.16 min

Lab File: VX000237.D

Acq: 08 Mar 2018 22:43

Instrument :

MSVOA_X

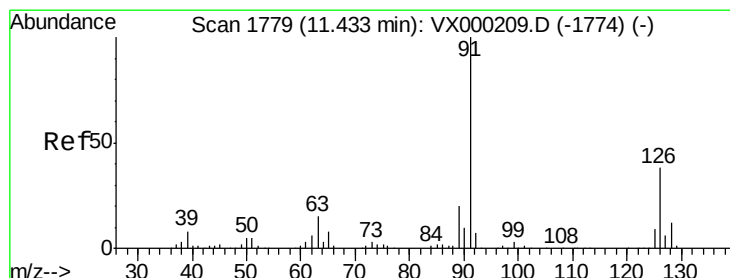
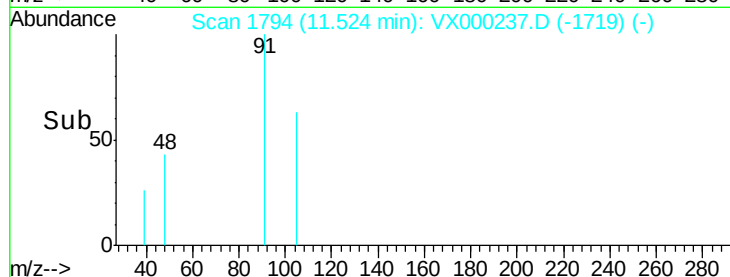
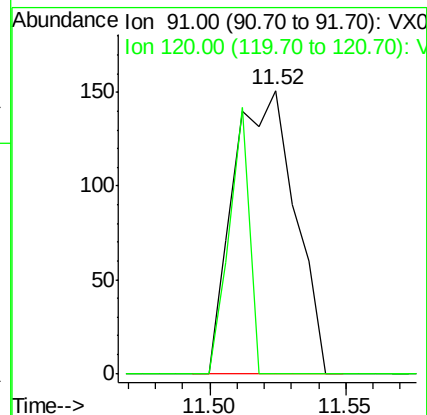
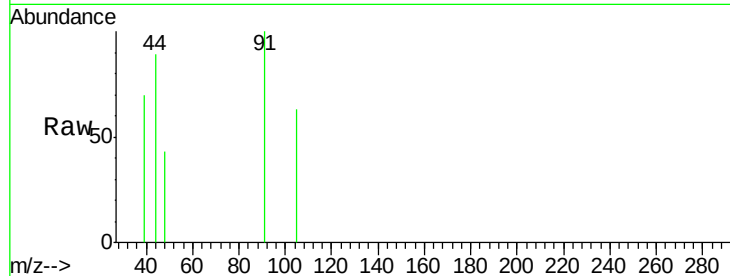
ClientSampled :

Tot Ion: 91 Resp: 236

Ion Ratio Lower Upper

91 100

120 30.9 12.2 36.4



#79

2-Chlorotoluene

Concen: 0.86 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VX000237.D

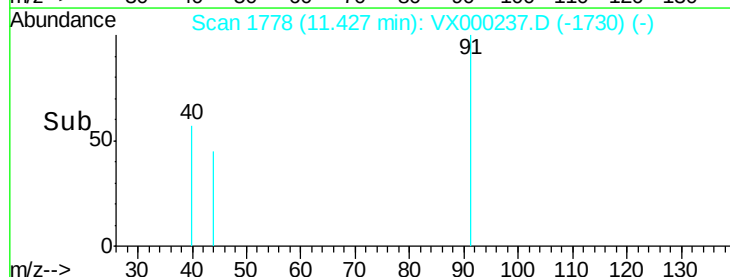
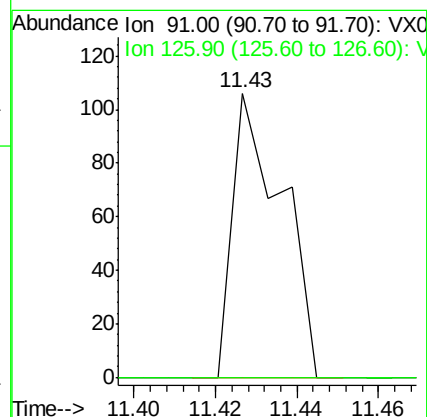
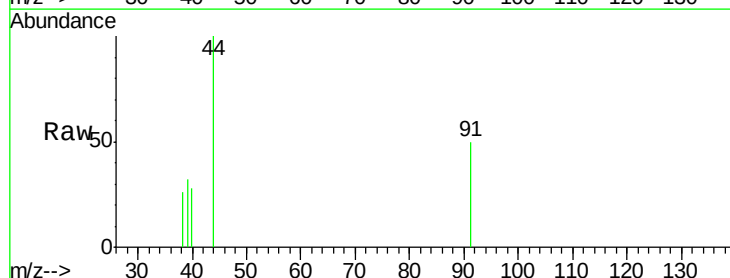
Acq: 08 Mar 2018 22:43

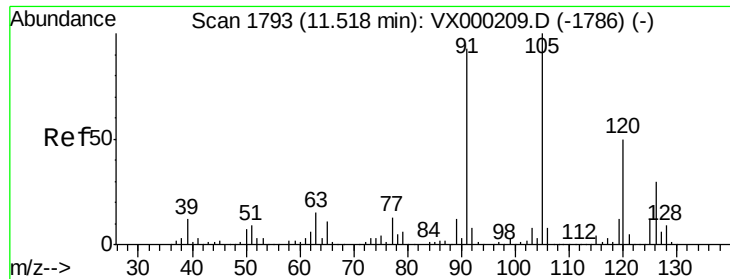
Tgt Ion: 91 Resp: 89

Ion Ratio Lower Upper

91 100

126 0.0 18.4 55.2#

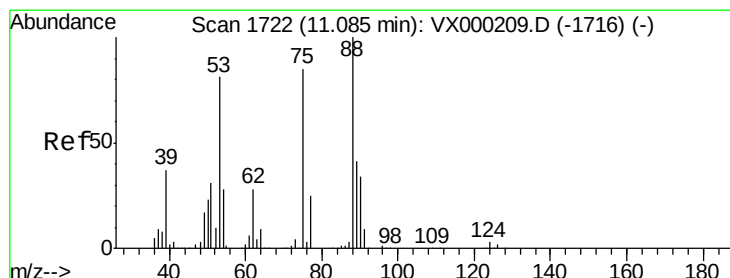
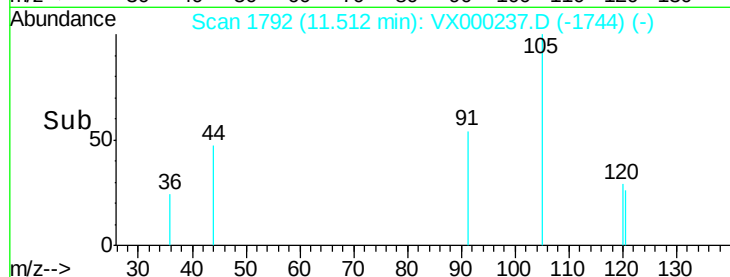
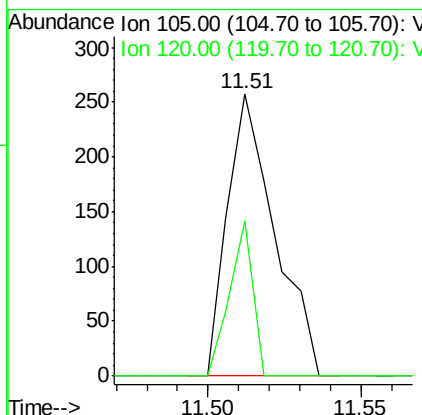
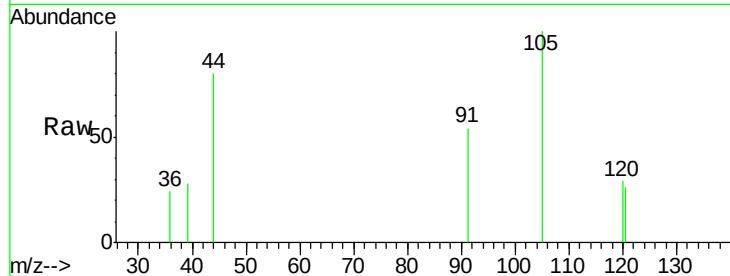




#80
 1,3,5-Trimethylbenzene
 Concen: 2.12 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: VX000237.D
 Acq: 08 Mar 2018 22:43

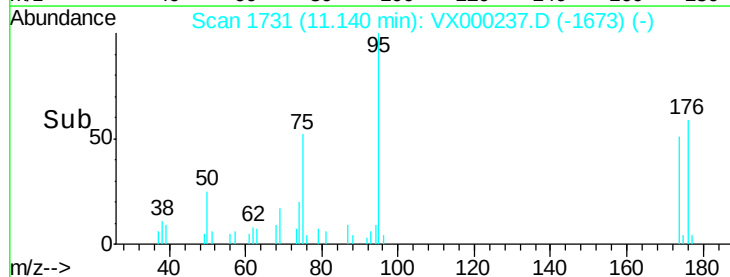
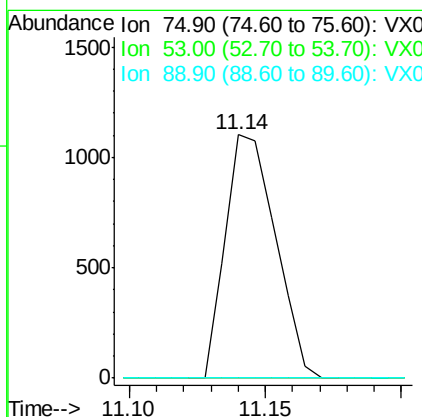
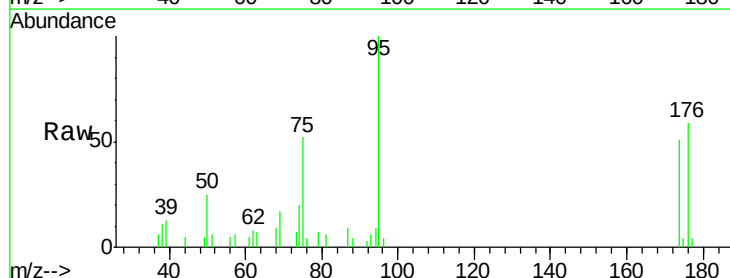
Instrument :
 MSVOA_X
 ClientSampleId :

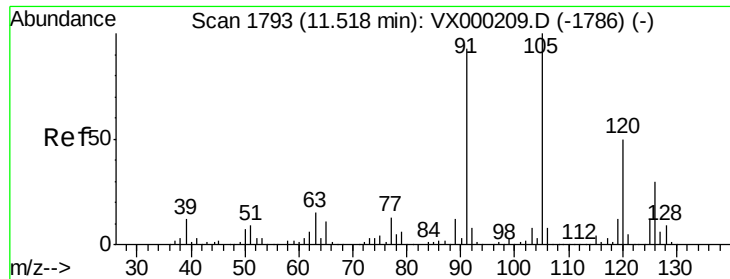
Tot Ion:105 Resp: 275
 Ion Ratio Lower Upper
 105 100
 120 26.5 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.90 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.05 min
 Lab File: VX000237.D
 Acq: 08 Mar 2018 22:43

Tgt Ion: 75 Resp: 1409
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.6 118.0#
 89 0.0 38.8 58.2#





#82

4-Chlorotoluene

Concen: 1.89 ug/l

RT: 11.52 min Scan# 1794

Delta R.T. 0.01 min

Lab File: VX000237.D

Acq: 08 Mar 2018 22:43

Instrument :

MSVOA_X

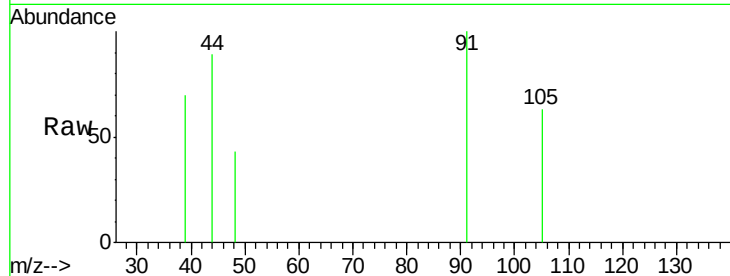
ClientSampleId :

Tot Ion: 91 Resp: 236

Ion Ratio Lower Upper

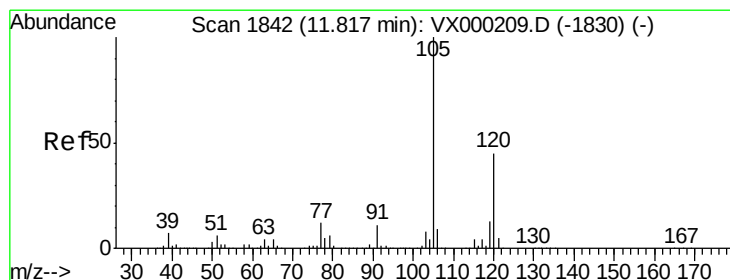
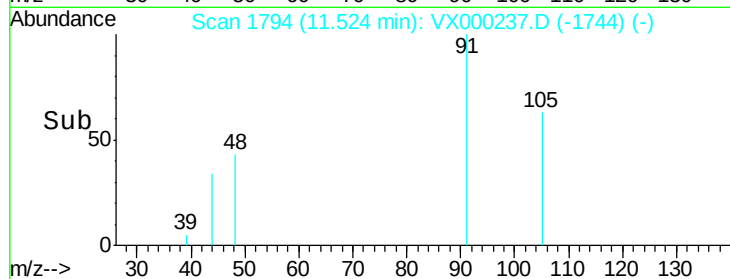
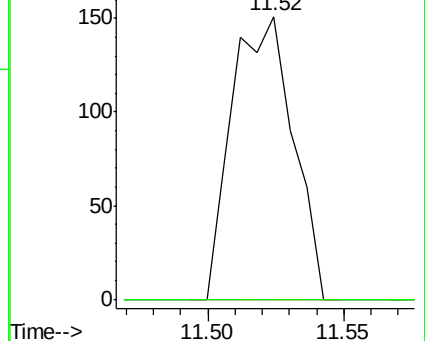
91 100

126 0.0 16.0 48.0#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#84

1,2,4-Trimethylbenzene

Concen: 4.10 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX000237.D

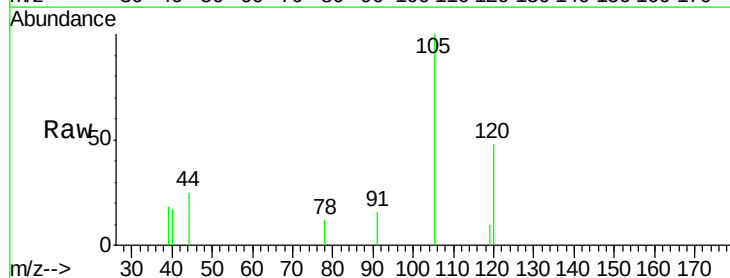
Acq: 08 Mar 2018 22:43

Tgt Ion:105 Resp: 546

Ion Ratio Lower Upper

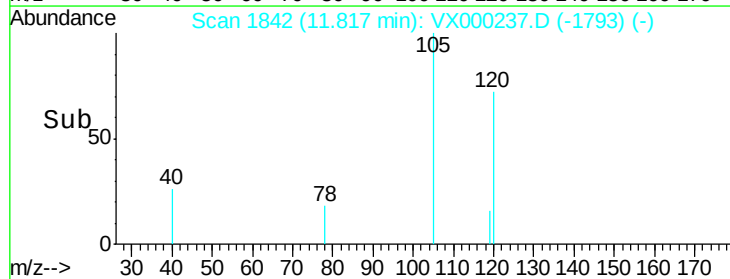
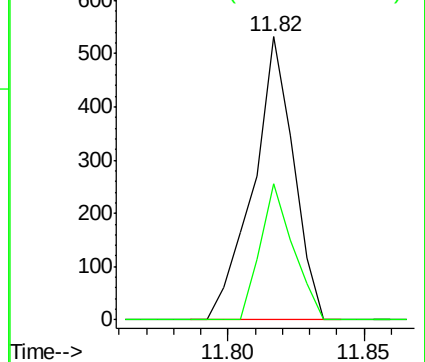
105 100

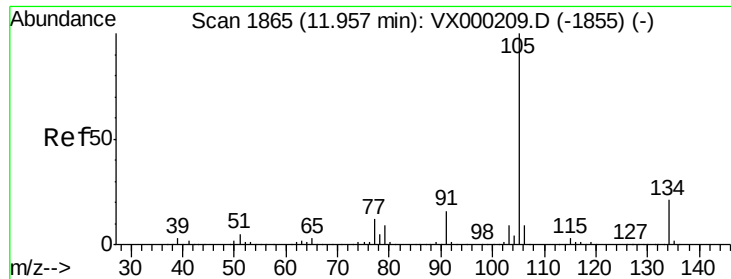
120 39.4 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.50 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.01 min

Lab File: VX000237.D

Acq: 08 Mar 2018 22:43

Instrument :

MSVOA_X

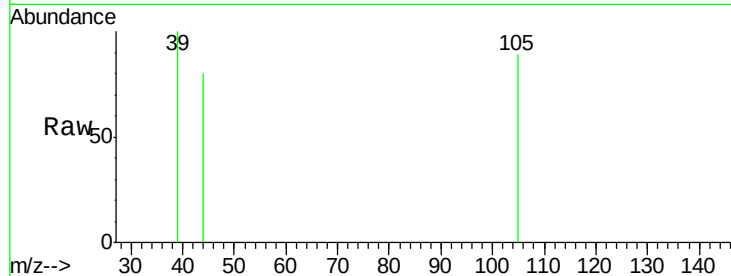
ClientSampleId :

Tot Ion:105 Resp: 79

Ion Ratio Lower Upper

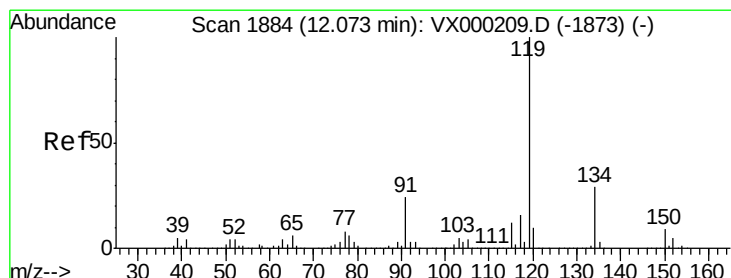
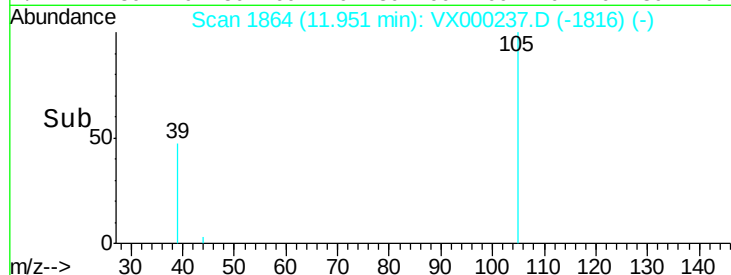
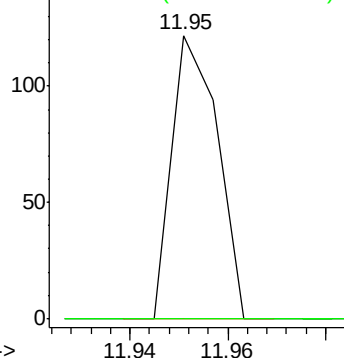
105 100

134 0.0 10.3 30.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.07 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VX000237.D

Acq: 08 Mar 2018 22:43

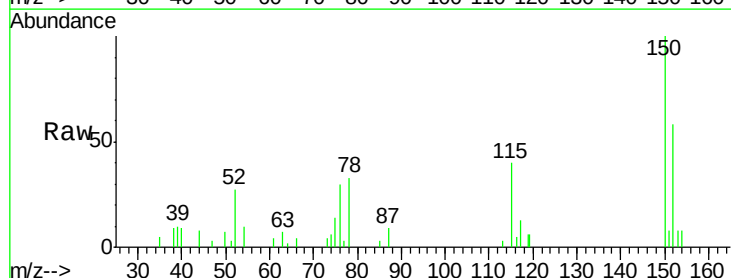
Tgt Ion:119 Resp: 150

Ion Ratio Lower Upper

119 100

134 0.0 13.8 41.3#

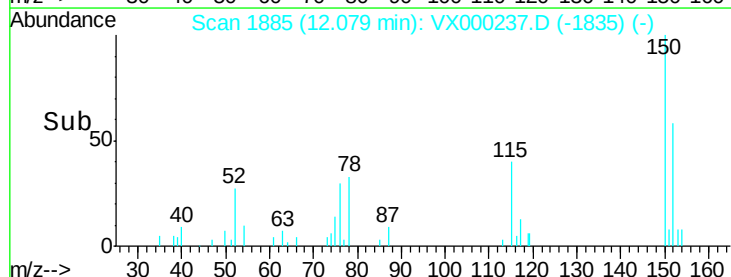
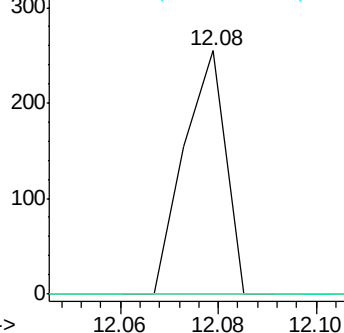
91 0.0 12.0 36.0#

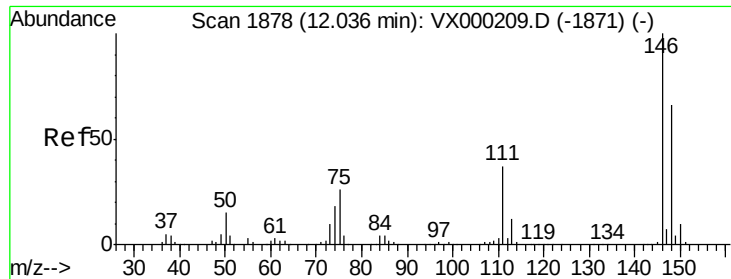


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

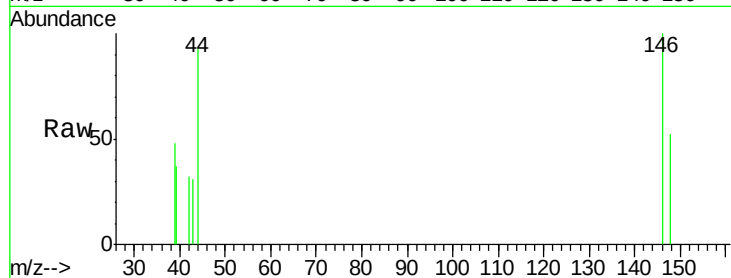




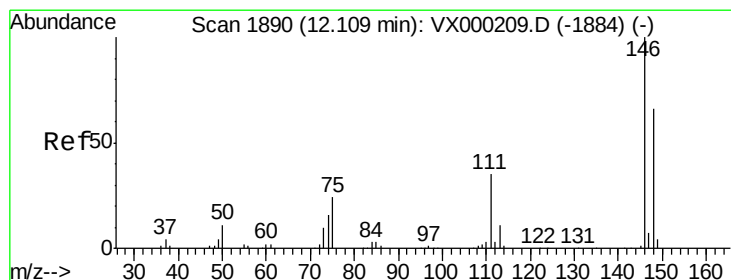
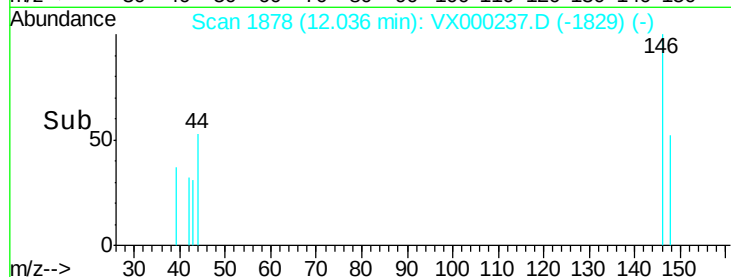
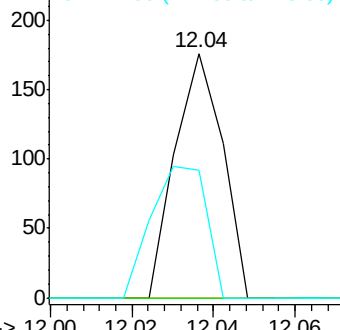
#87
 1,3-Dichlorobenzene
 Concen: 1.88 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VX000237.D
 Acq: 08 Mar 2018 22:43

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:146 Resp: 143
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.0 57.0#
 148 62.2 32.1 96.3

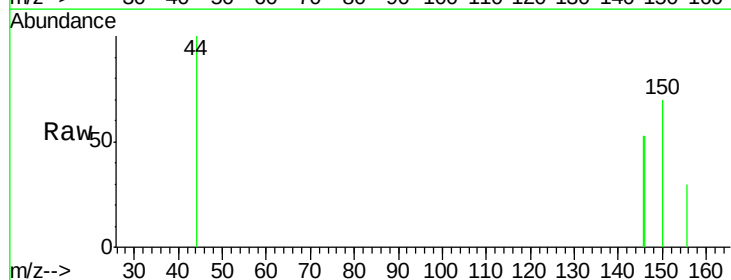


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

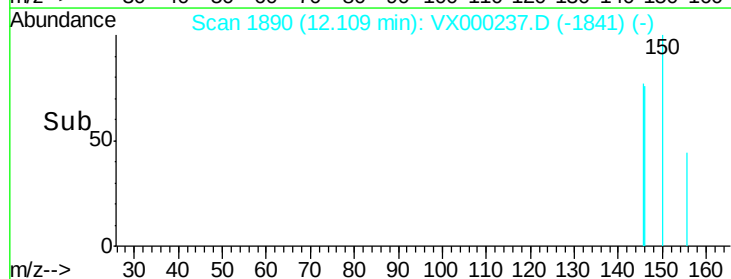
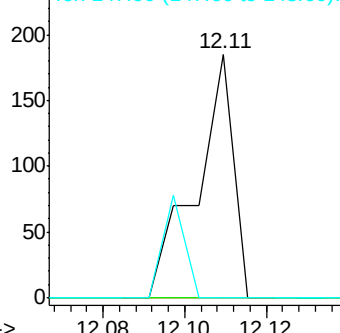


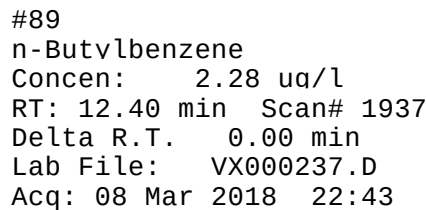
#88
 1,4-Dichlorobenzene
 Concen: 1.49 ug/l
 RT: 12.11 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VX000237.D
 Acq: 08 Mar 2018 22:43

Tgt Ion:146 Resp: 119
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.9 56.9#
 148 24.4 32.6 97.8#



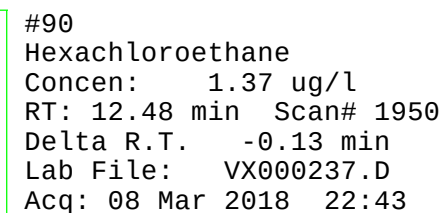
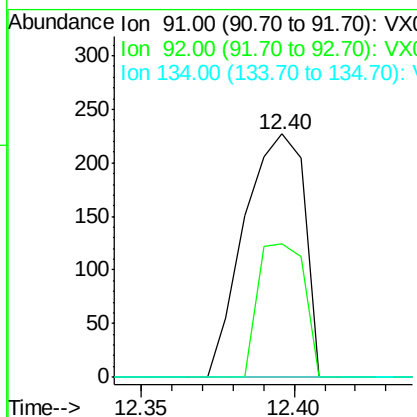
Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



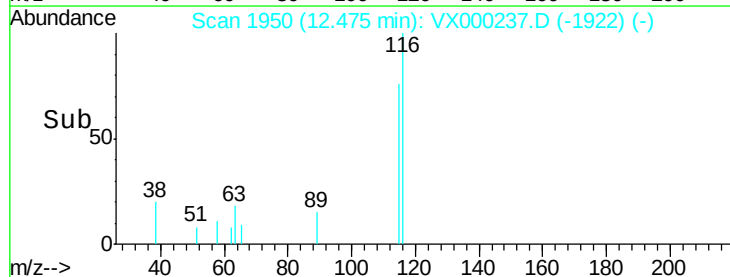
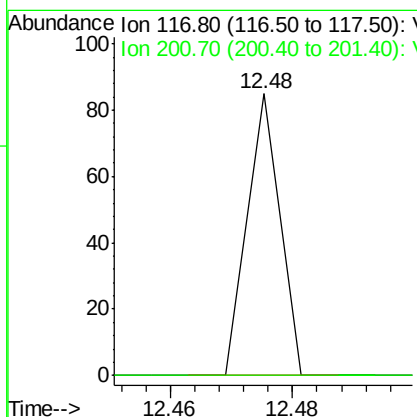


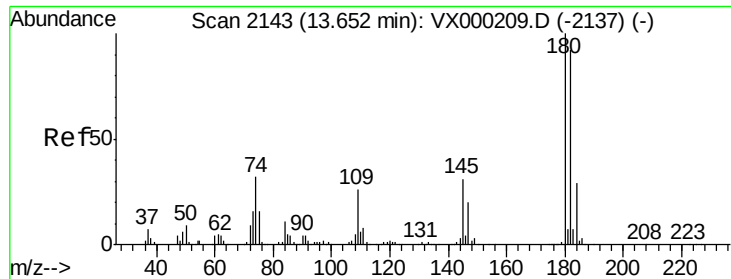
Instrument : MSVOA_X
ClientSampleId :

Tqt	Ion: 91	Resp:	308
Ion	Ratio	Lower	Upper
91	100		
92	42.5	25.8	77.4
134	0.0	13.5	40.5#



Tgt	Ion:117	Resp:	31
Ion	Ratio	Lower	Upper
117	100		
201	0.0	38.2	114.6#

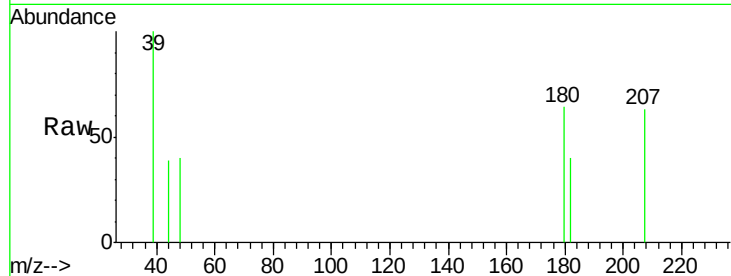




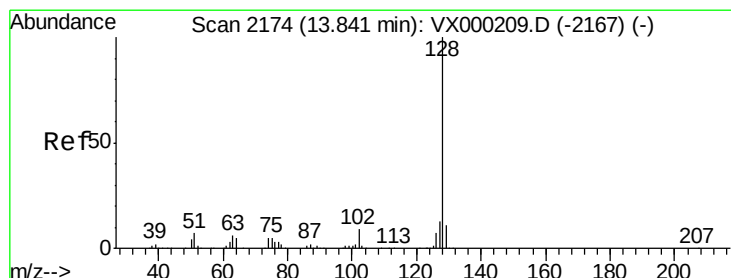
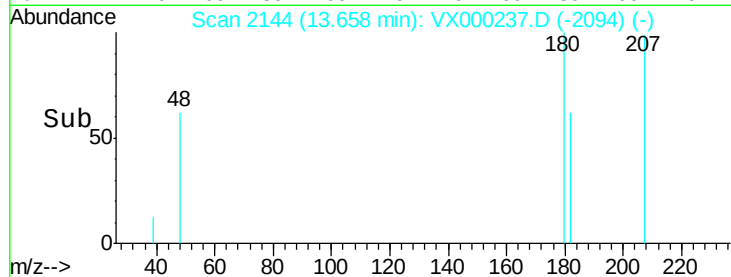
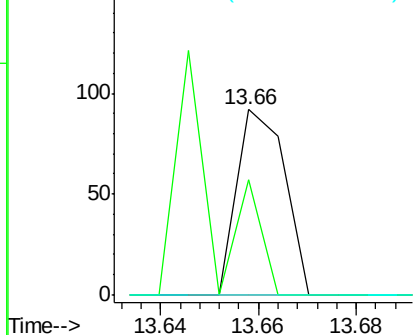
#93
 1,2,4-Trichlorobenzene
 Concen: 1.15 ug/l
 RT: 13.66 min Scan# 2144
 Delta R.T. 0.01 min
 Lab File: VX000237.D
 Acq: 08 Mar 2018 22:43

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 63
 Ion Ratio Lower Upper
 180 100
 182 103.2 47.0 141.0
 145 0.0 15.3 45.9#

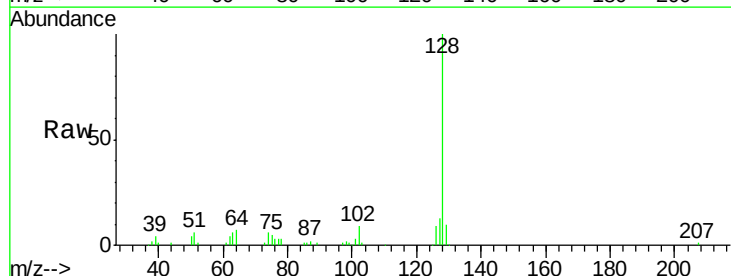


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

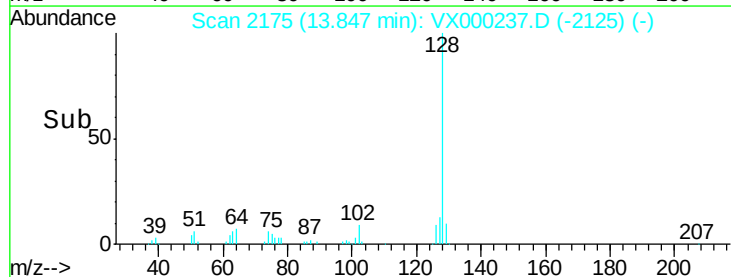
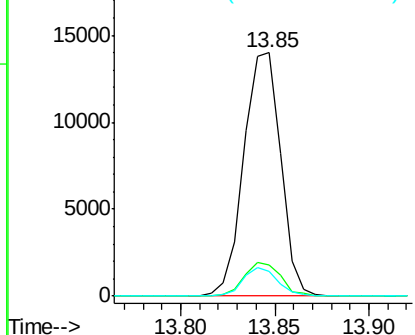


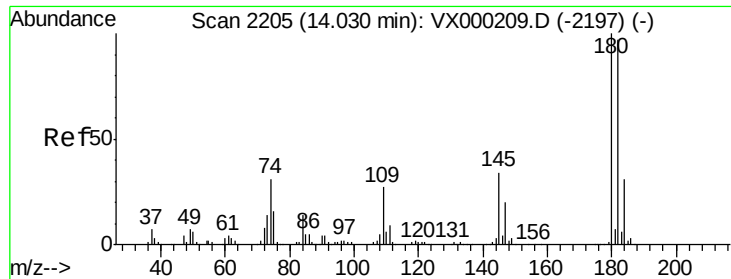
#95
 Naphthalene
 Concen: 99.26 ug/l
 RT: 13.85 min Scan# 2175
 Delta R.T. 0.01 min
 Lab File: VX000237.D
 Acq: 08 Mar 2018 22:43

Tgt Ion:128 Resp: 19017
 Ion Ratio Lower Upper
 128 100
 127 13.8 10.5 15.7
 129 11.0 8.6 13.0



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

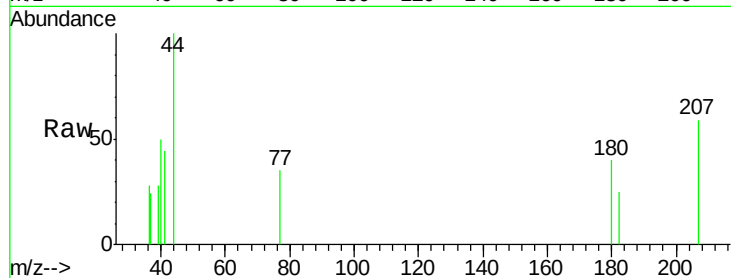




#96
 1,2,3-Trichlorobenzene
 Concen: 0.96 ug/l
 RT: 14.03 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VX000237.D
 Acq: 08 Mar 2018 22:43

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	82.7	48.0	144.0
145	42.3	16.3	48.8



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

