

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033118\
 Data File : VX000611.D
 Acq On : 31 Mar 2018 23:48
 Operator : JC/MD
 Sample : VX0331WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 02 05:23:40 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	130743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	214286	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	230947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	141033	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	84566	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
35) Dibromofluoromethane	5.51	113	66965	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
50) Toluene-d8	8.73	98	278748	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
62) 4-Bromofluorobenzene	11.15	95	108242	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	23813	16.526	ug/l	99
3) Chloromethane	1.32	50	24602	16.207	ug/l	98
4) Vinyl Chloride	1.40	62	33454	20.857	ug/l	96
5) Bromomethane	1.64	94	28012	14.620	ug/l	99
6) Chloroethane	1.73	64	24169	26.613	ug/l	98
7) Trichlorofluoromethane	1.93	101	63756	22.022	ug/l	93
8) Diethyl Ether	2.20	74	22870	22.105	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	35575	22.037	ug/l	99
10) Methyl Iodide	2.51	142	13617	12.061	ug/l	94
11) Tert butyl alcohol	3.08	59	75149	128.011	ug/l	99
12) 1,1-Dichloroethene	2.38	96	33069	23.335	ug/l	93
13) Acrolein	2.30	56	39052	210.774	ug/l	96
14) Allyl chloride	2.73	41	55629	22.169	ug/l	98
15) Acrylonitrile	3.16	53	140239	117.948	ug/l	100
16) Acetone	2.45	43	134188	94.517	ug/l	97
17) Carbon Disulfide	2.57	76	83409	22.134	ug/l	96
18) Methyl Acetate	2.79	43	68716	23.087	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	118512	22.612	ug/l	98
20) Methylene Chloride	2.86	84	36819	22.453	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	36318	22.974	ug/l	93
22) Diisopropyl ether	3.89	45	72959	16.469	ug/l	97
23) Vinyl Acetate	3.83	43	345719	82.321	ug/l	100
24) 1,1-Dichloroethane	3.70	63	44275	15.896	ug/l	99
25) 2-Butanone	4.72	43	148962	93.347	ug/l	98
26) 2,2-Dichloropropane	4.59	77	28478	14.588	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	27249	18.443	ug/l	96
28) Bromochloromethane	5.04	49	22997	20.023	ug/l	98
29) Tetrahydrofuran	5.18	42	98228	100.045	ug/l	99
30) Chloroform	5.23	83	50664	19.409	ug/l	99
31) Cyclohexane	5.59	56	38392	17.830	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	43861	18.626	ug/l	97
36) 1,1-Dichloropropene	5.81	75	36763	18.315	ug/l	98
37) Ethyl Acetate	4.87	43	51381	18.740	ug/l	99
38) Carbon Tetrachloride	5.79	117	37240	17.685	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	42921	17.583	ug/l	97
40) Benzene	6.15	78	111195	19.076	ug/l	97
41) Methacrylonitrile	5.08	41	26861	18.582	ug/l	98
42) 1,2-Dichloroethane	6.21	62	43883	19.187	ug/l	99
43) Isopropyl Acetate	6.48	43	76171	18.663	ug/l	99
44) Trichloroethene	7.22	130	31058	18.598	ug/l	96
45) 1,2-Dichloropropane	7.52	63	29168	19.549	ug/l	98
46) Dibromomethane	7.67	93	22440	19.161	ug/l	97
47) Bromodichloromethane	7.91	83	40516	19.663	ug/l	98
48) Methyl methacrylate	7.79	41	38501	19.431	ug/l	98
49) 1,4-Dioxane	7.77	88	17463	419.285	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	312918	99.053	ug/l	99
52) Toluene	8.79	92	80587	19.776	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	43414	18.182	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	42127	18.189	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	33450	19.961	ug/l	96
56) Ethyl methacrylate	9.19	69	47226	18.598	ug/l	98
57) 1,3-Dichloropropane	9.38	76	53081	19.804	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	116466	95.562	ug/l	99
59) 2-Hexanone	9.51	43	268459	100.080	ug/l	98
60) Dibromochloromethane	9.59	129	33124	19.444	ug/l	98
61) 1,2-Dibromoethane	9.68	107	35232	19.605	ug/l	100
64) Tetrachloroethene	9.34	164	32482	18.125	ug/l	95
65) Chlorobenzene	10.15	112	92492	17.996	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	32546	18.645	ug/l	99
67) Ethyl Benzene	10.26	91	157462	18.073	ug/l	99
68) m/p-Xylenes	10.37	106	126186	36.806	ug/l	98
69) o-Xylene	10.71	106	59209	17.837	ug/l	99
70) Styrene	10.72	104	99484	18.112	ug/l	100
71) Bromoform	10.87	173	26768	18.083	ug/l #	98
73) Isopropylbenzene	11.02	105	165050	17.663	ug/l	100
74) N-amyl acetate	6.48	43	76171	16.494	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	60126	18.192	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	68671	22.656	ug/l	83
77) Bromobenzene	11.26	156	41957	16.855	ug/l	96
78) n-propylbenzene	11.37	91	201952	18.125	ug/l	98
79) 2-Chlorotoluene	11.43	91	112140	17.422	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	140274	17.853	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	14009	14.964	ug/l	87
82) 4-Chlorotoluene	11.52	91	138229	17.986	ug/l	98
83) tert-Butylbenzene	11.78	119	138140	17.433	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	150666	18.290	ug/l	99
85) sec-Butylbenzene	11.95	105	175645	17.914	ug/l	100
86) p-Isopropyltoluene	12.07	119	158004	18.145	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	83981	17.843	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	89566	18.125	ug/l	99
89) n-Butylbenzene	12.40	91	148559	18.323	ug/l	98
90) Hexachloroethane	12.60	117	23371	17.051	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	84233	18.254	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16428	17.822	ug/l	94

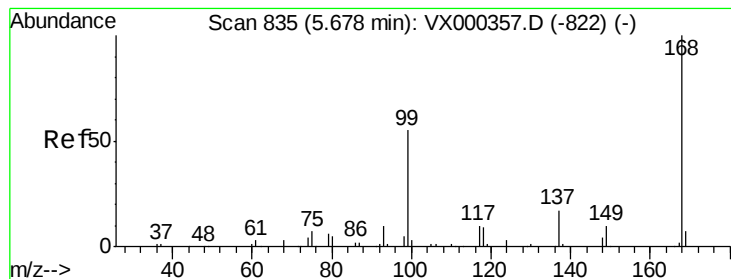
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QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	59070	17.856	ug/l	98
94) Hexachlorobutadiene	13.79	225	23786	17.365	ug/l	98
95) Naphthalene	13.84	128	210648	18.280	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	61719	18.881	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Instrument :

MSVOA_X

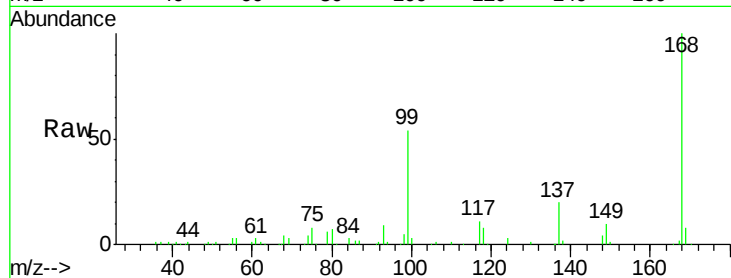
ClientSampled :

Tot Ion:168 Resp: 130743

Ion Ratio Lower Upper

168 100

99 54.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

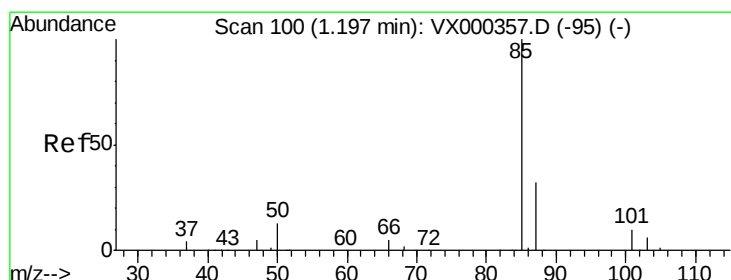
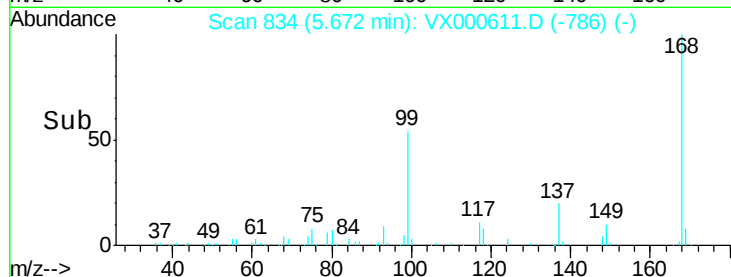
20000

10000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.526 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000611.D

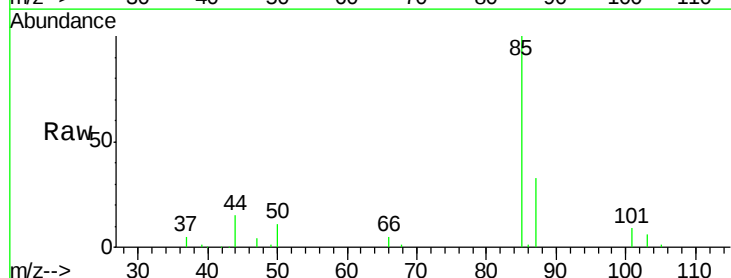
Acq: 31 Mar 2018 23:48

Tgt Ion: 85 Resp: 23813

Ion Ratio Lower Upper

85 100

87 33.2 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

25000

20000

15000

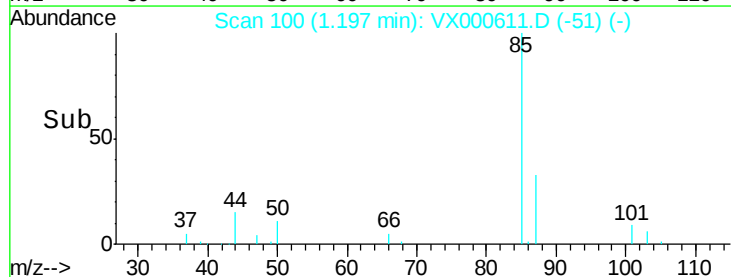
10000

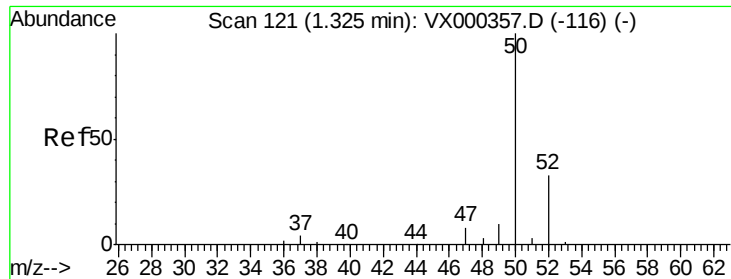
5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 16.207 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Instrument :

MSVOA_X

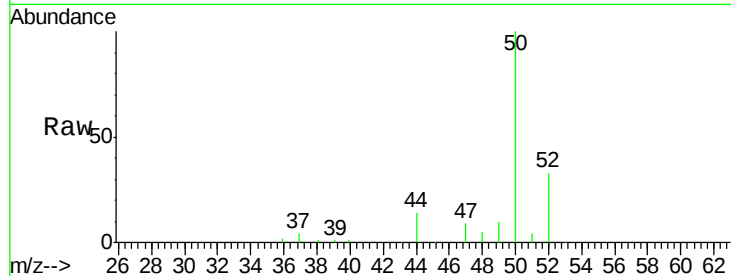
ClientSampleId :

Tot Ion: 50 Resp: 24602

Ion Ratio Lower Upper

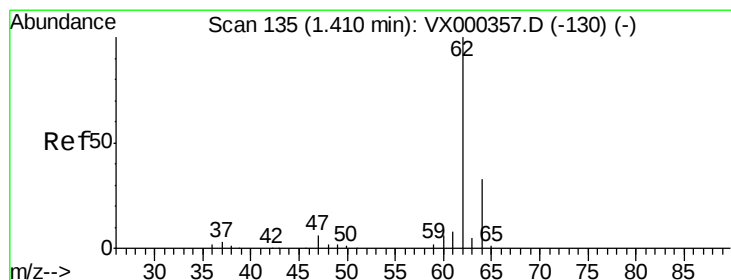
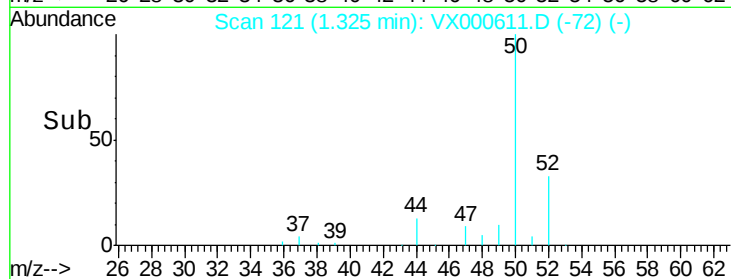
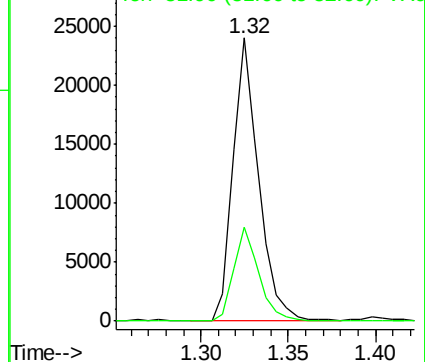
50 100

52 33.1 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.857 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX000611.D

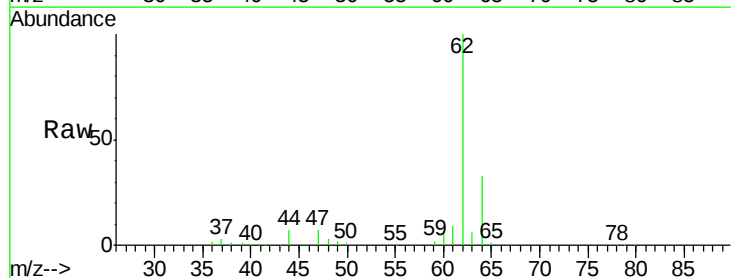
Acq: 31 Mar 2018 23:48

Tgt Ion: 62 Resp: 33454

Ion Ratio Lower Upper

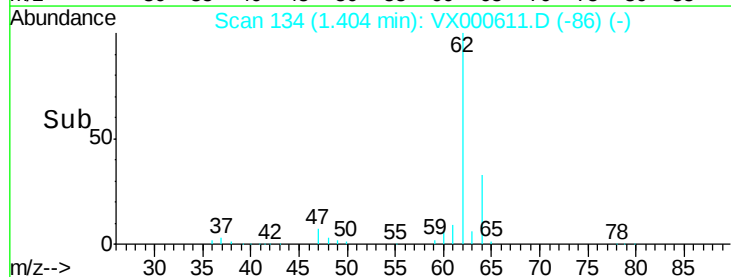
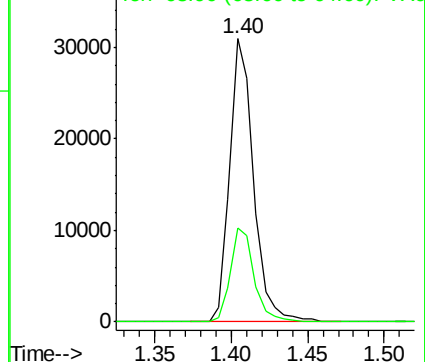
62 100

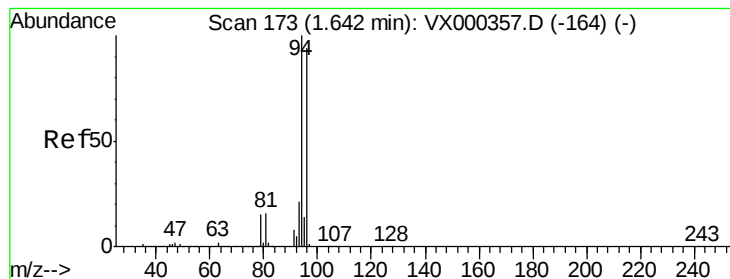
64 33.2 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 14.620 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Instrument :

MSVOA_X

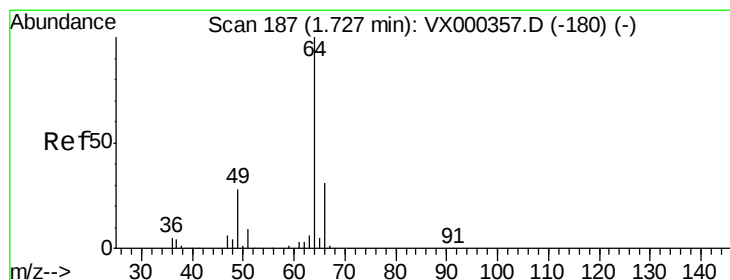
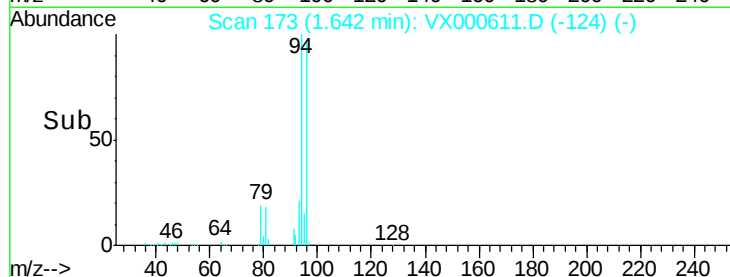
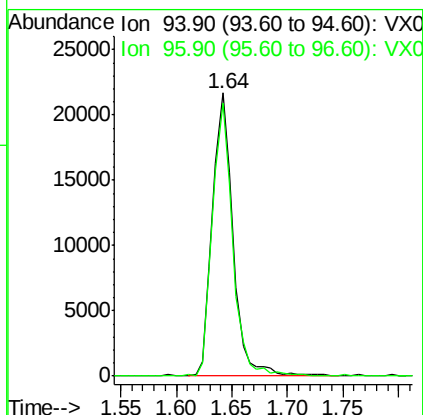
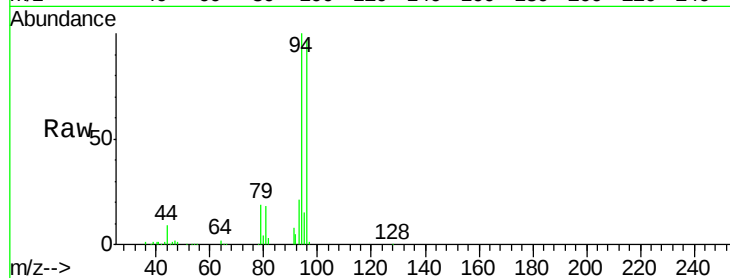
ClientSampled :

Tot Ion: 94 Resp: 28012

Ion Ratio Lower Upper

94 100

96 96.3 77.7 116.5



#6

Chloroethane

Concen: 26.613 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000611.D

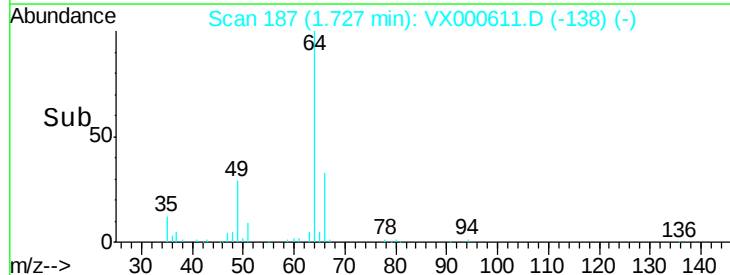
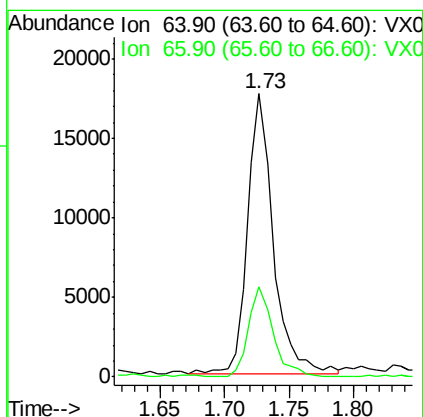
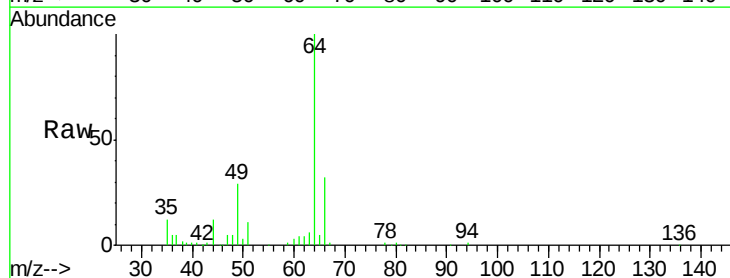
Acq: 31 Mar 2018 23:48

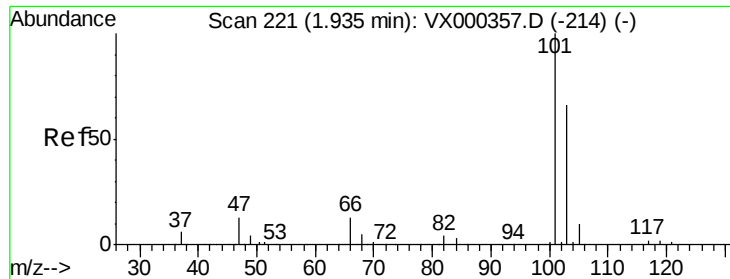
Tgt Ion: 64 Resp: 24169

Ion Ratio Lower Upper

64 100

66 32.2 24.8 37.2



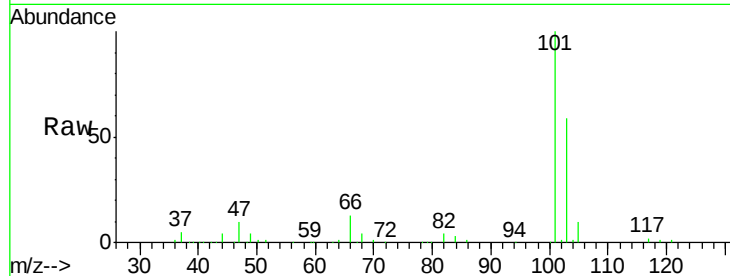


#7

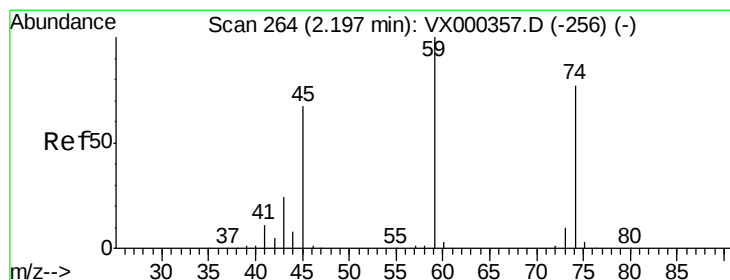
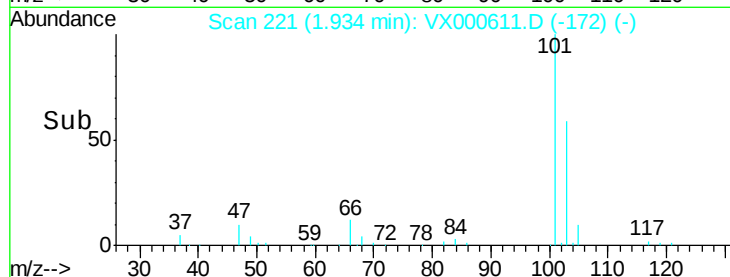
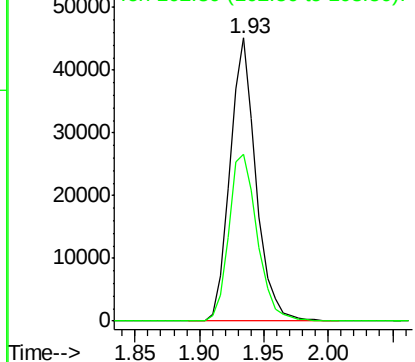
Trichlorofluoromethane
Concen: 22.022 ug/l
RT: 1.93 min Scan# 221
Delta R.T. -0.00 min
Lab File: VX000611.D
Acq: 31 Mar 2018 23:48

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:101 Resp: 63756
Ion Ratio Lower Upper
101 100
103 59.1 51.6 77.4



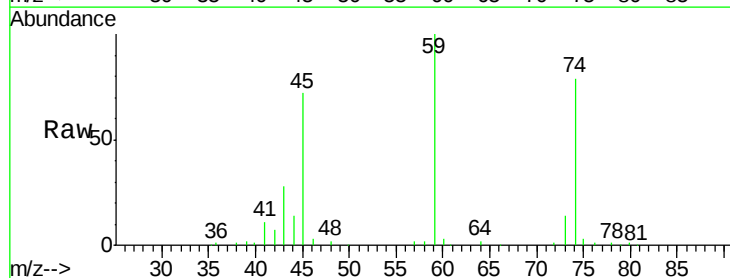
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



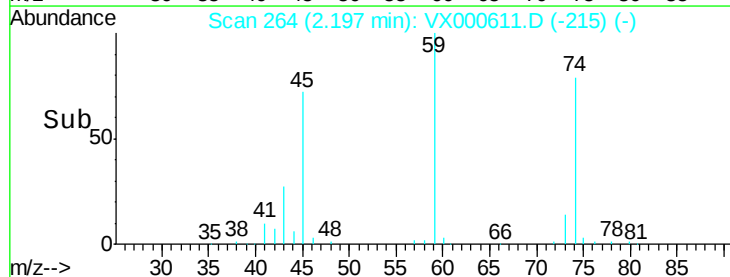
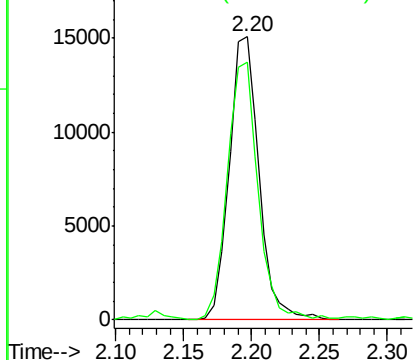
#8

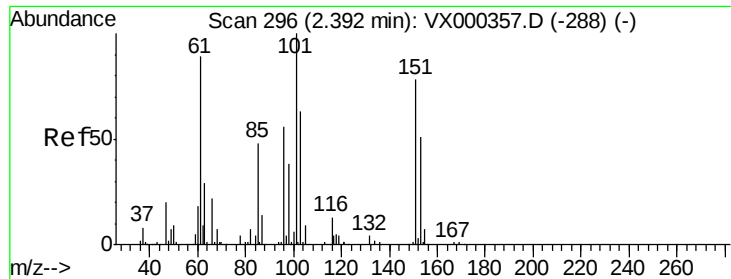
Diethyl Ether
Concen: 22.105 ug/l
RT: 2.20 min Scan# 264
Delta R.T. -0.00 min
Lab File: VX000611.D
Acq: 31 Mar 2018 23:48

Tgt Ion: 74 Resp: 22870
Ion Ratio Lower Upper
74 100
45 94.5 45.1 135.3



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.037 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Instrument :

MSVOA_X

ClientSampled :

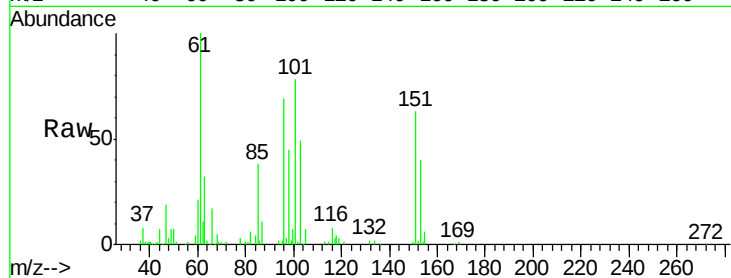
Tot Ion:101 Resp: 35575

Ion Ratio Lower Upper

101 100

85 47.8 37.6 56.4

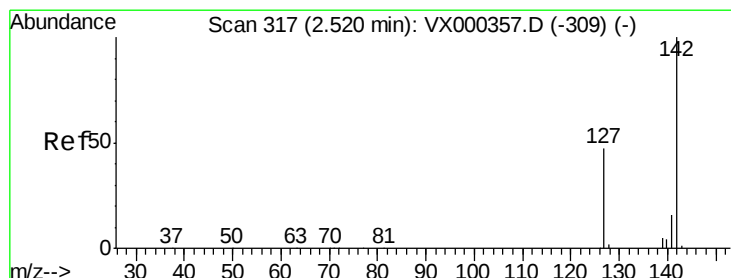
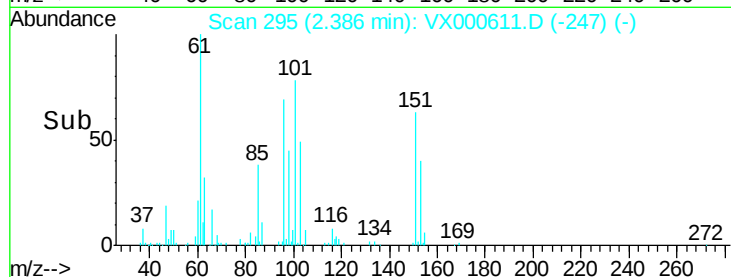
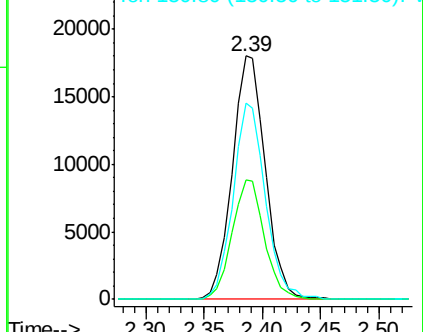
151 78.9 62.6 93.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 12.061 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

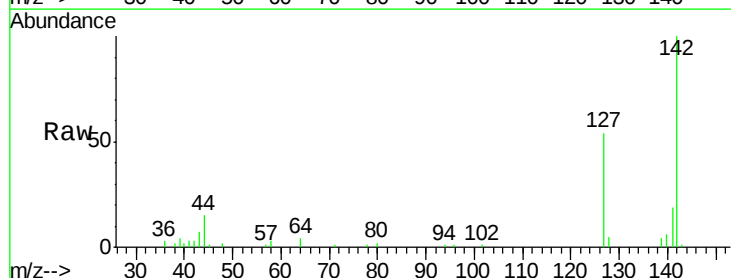
Tgt Ion:142 Resp: 13617

Ion Ratio Lower Upper

142 100

127 53.8 39.2 58.8

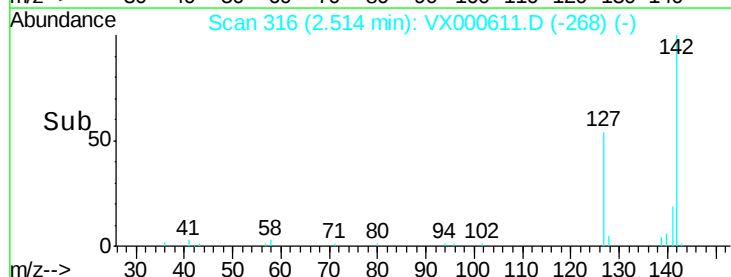
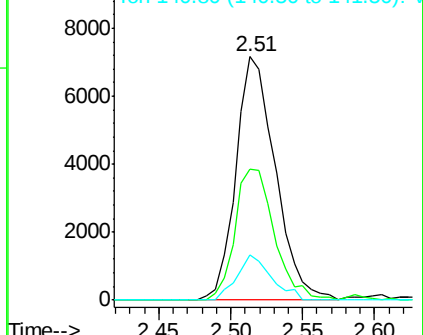
141 16.2 11.7 17.5

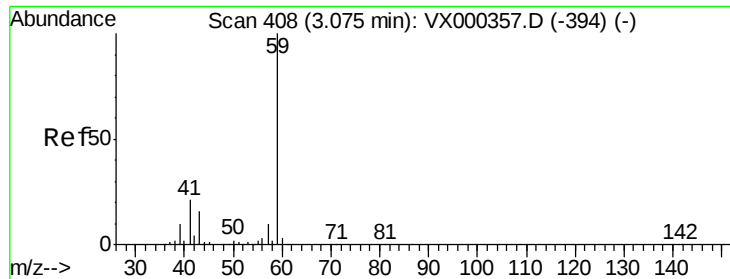


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

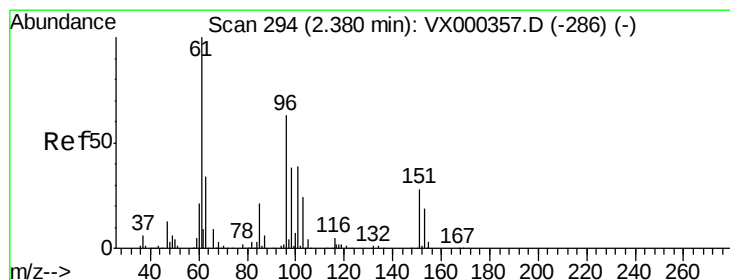
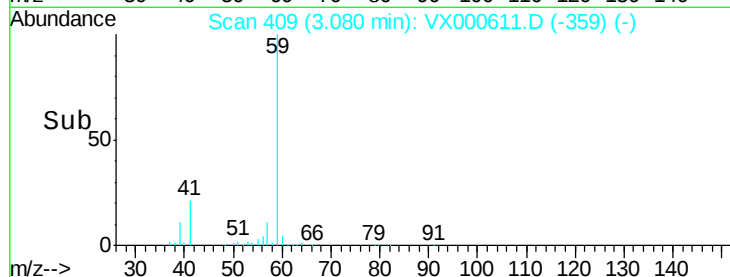
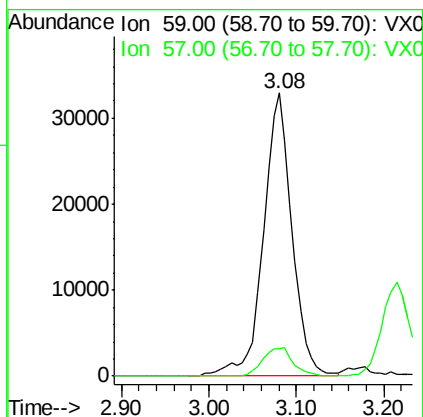
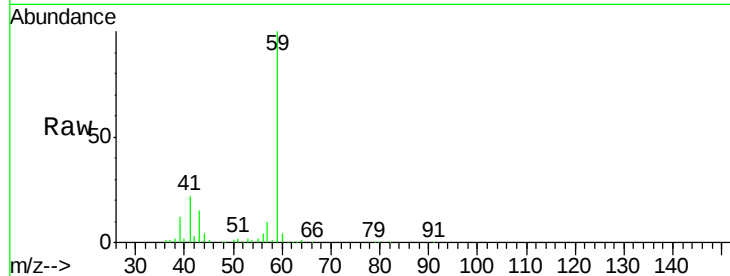




#11
Tert butyl alcohol
Concen: 128.011 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX000611.D
Acq: 31 Mar 2018 23:48

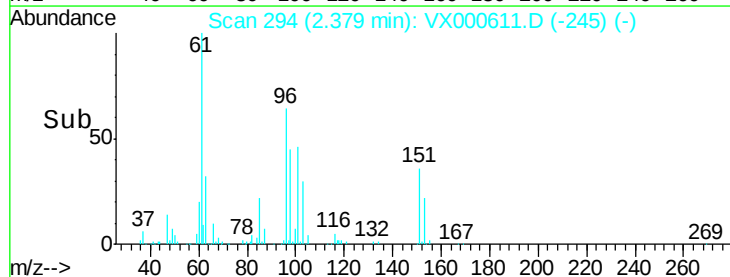
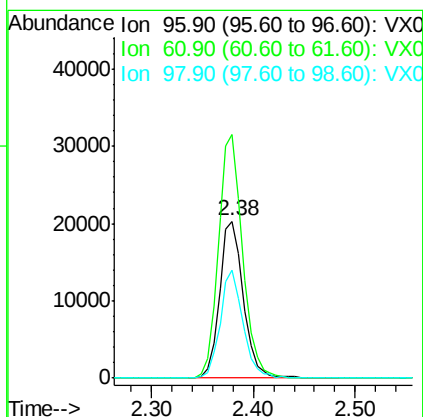
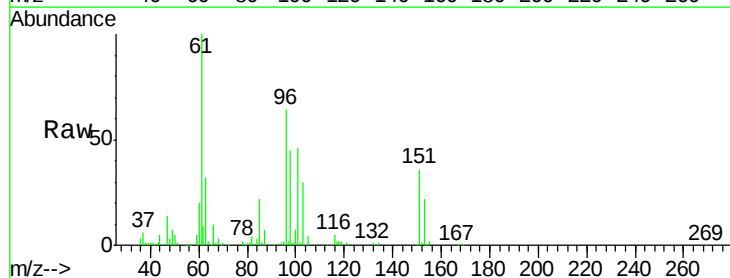
Instrument :
MSVOA_X
ClientSampleId :

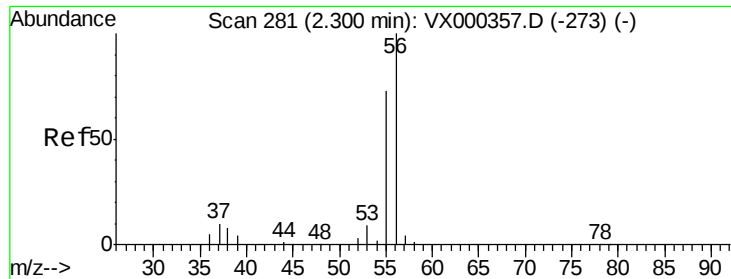
Tot Ion: 59 Resp: 75149
Ion Ratio Lower Upper
59 100
57 10.9 8.4 12.6



#12
1,1-Dichloroethene
Concen: 23.335 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000611.D
Acq: 31 Mar 2018 23:48

Tgt Ion: 96 Resp: 33069
Ion Ratio Lower Upper
96 100
61 155.2 131.2 196.8
98 69.2 49.8 74.8





#13

Acrolein

Concen: 210.774 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

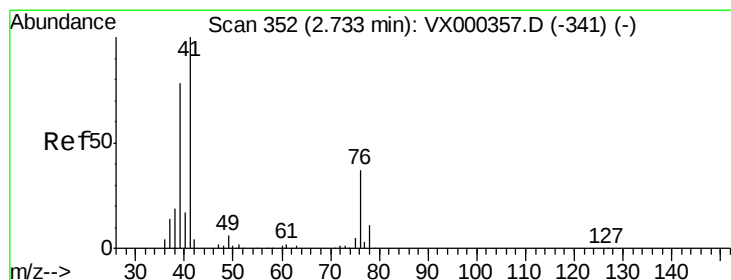
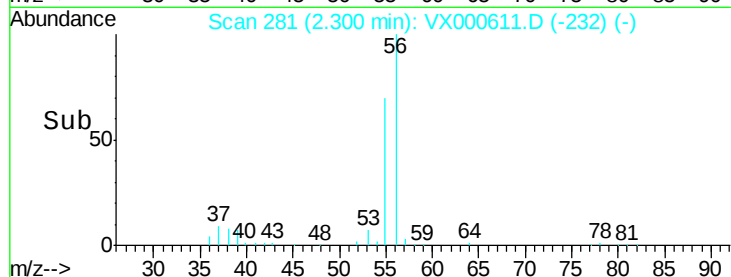
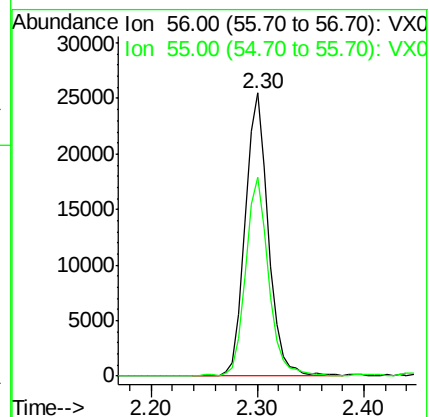
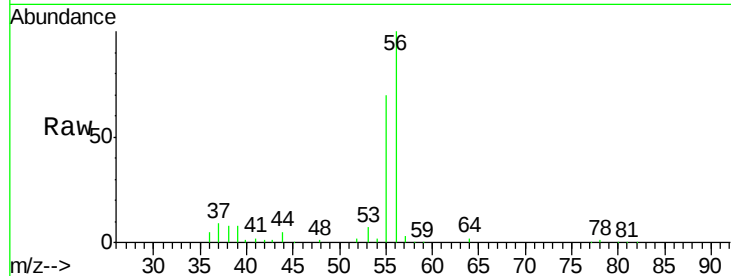
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 39052

Ion Ratio Lower Upper

56 100

55 69.9 58.8 88.2



#14

Allyl chloride

Concen: 22.169 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

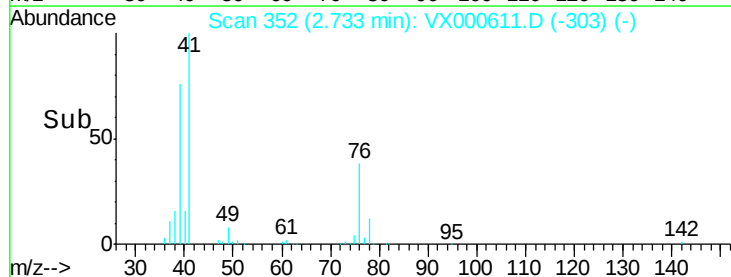
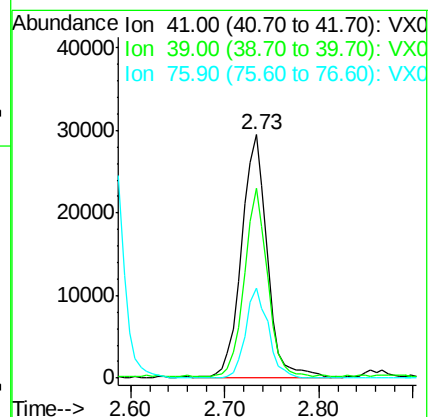
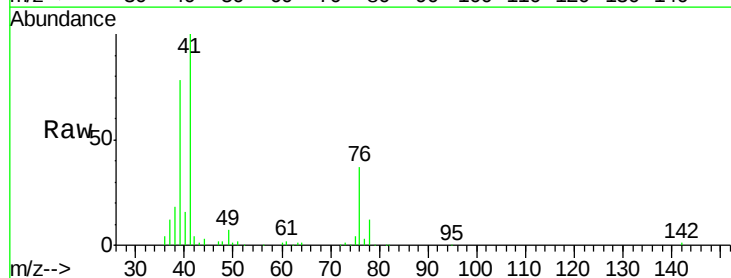
Tgt Ion: 41 Resp: 55629

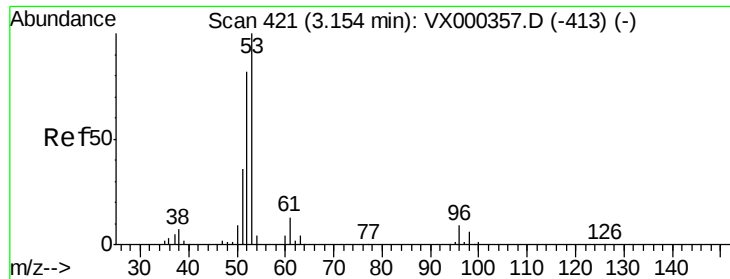
Ion Ratio Lower Upper

41 100

39 70.0 57.6 86.4

76 33.0 27.3 40.9





#15

Acrylonitrile

Concen: 117.948 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Instrument :
MSVOA_X
ClientSampled :

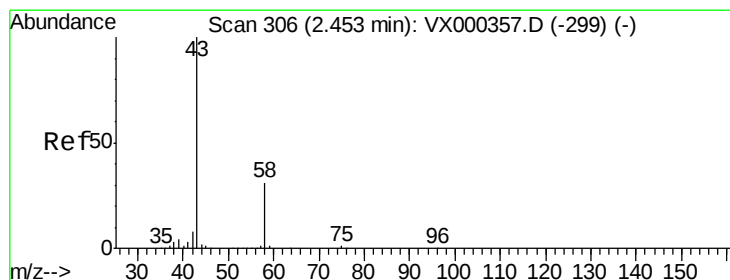
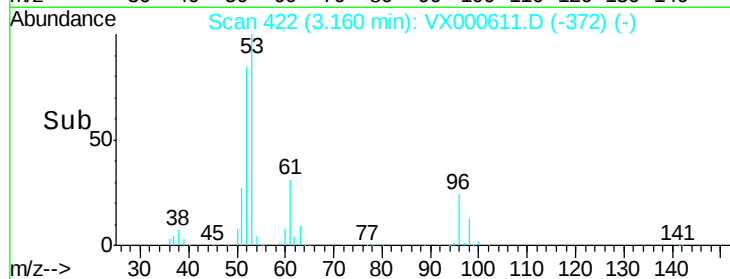
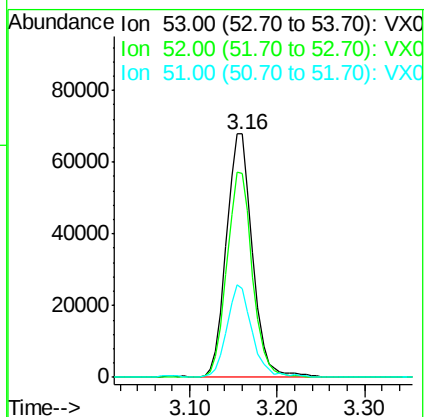
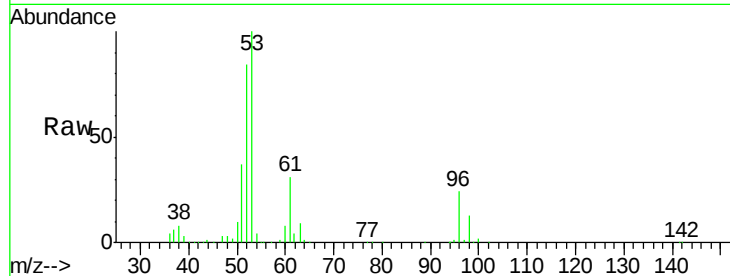
Tot Ion: 53 Resp: 140239

Ion Ratio Lower Upper

53 100

52 82.9 66.6 99.8

51 36.9 29.3 43.9



#16

Acetone

Concen: 94.517 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000611.D

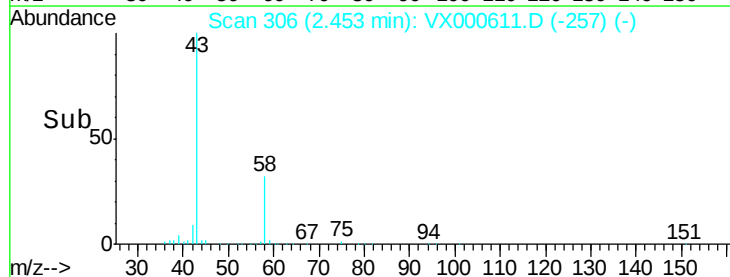
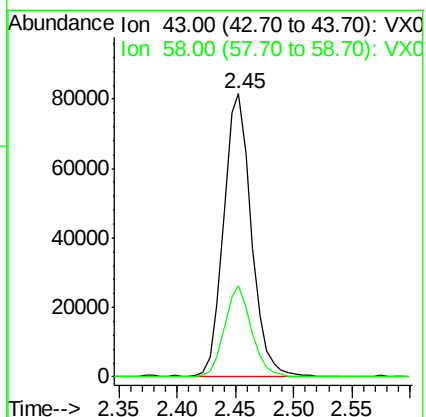
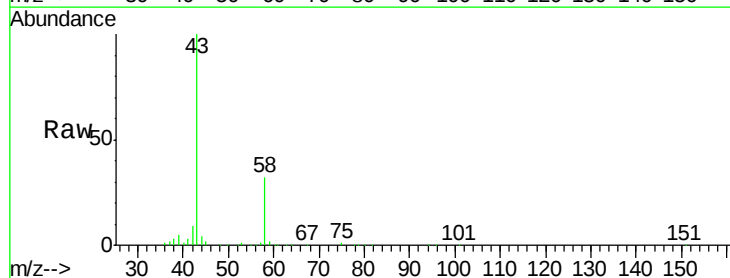
Acq: 31 Mar 2018 23:48

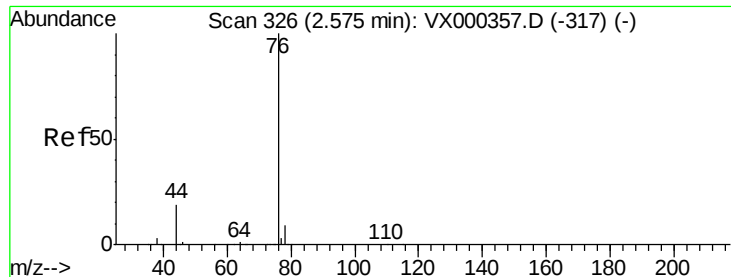
Tgt Ion: 43 Resp: 134188

Ion Ratio Lower Upper

43 100

58 32.3 24.7 37.1





#17

Carbon Disulfide

Concen: 22.134 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

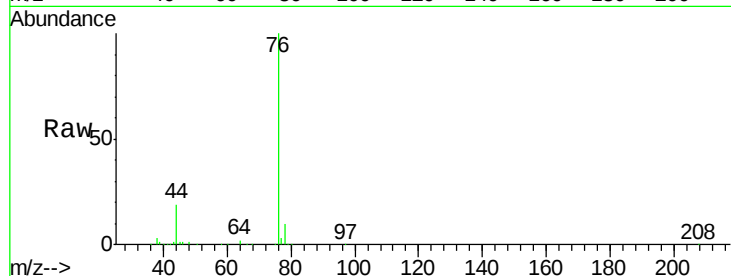
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 76 Resp: 83409

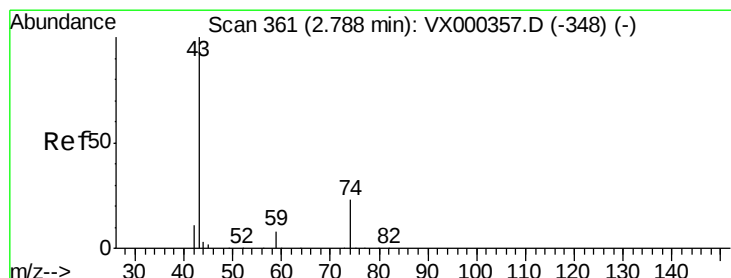
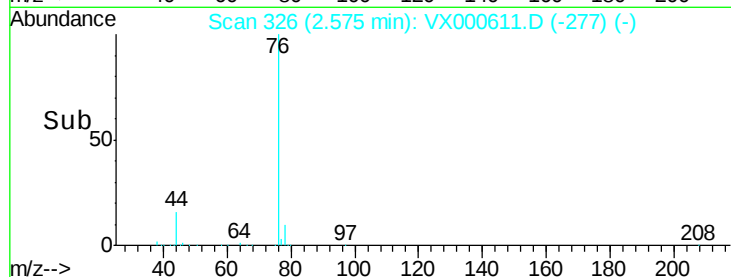
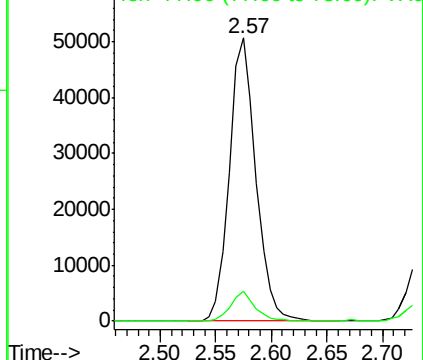
Ion Ratio Lower Upper

76 100

78 10.3 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 23.087 ug/l

RT: 2.79 min Scan# 361

Delta R.T. -0.00 min

Lab File: VX000611.D

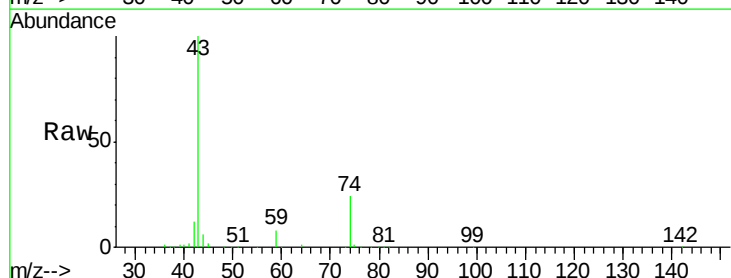
Acq: 31 Mar 2018 23:48

Tgt Ion: 43 Resp: 68716

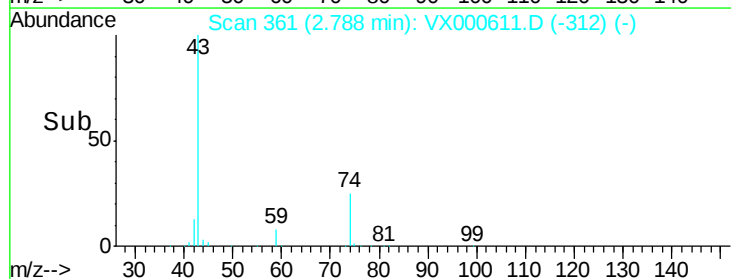
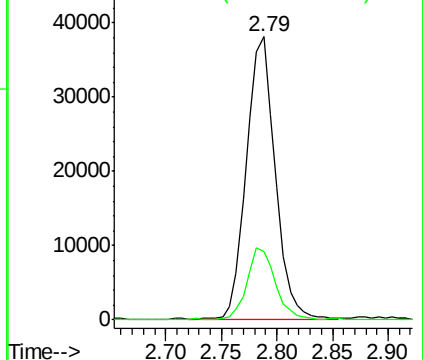
Ion Ratio Lower Upper

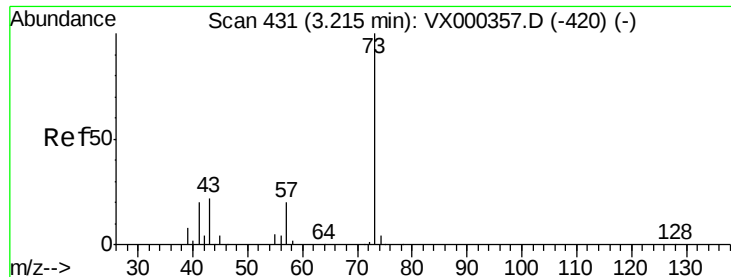
43 100

74 24.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0



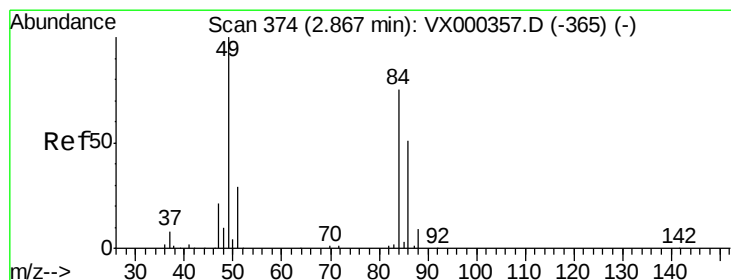
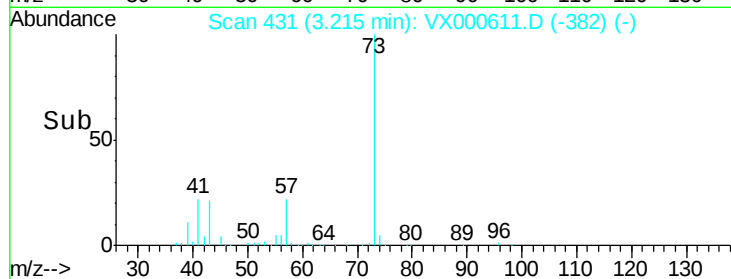
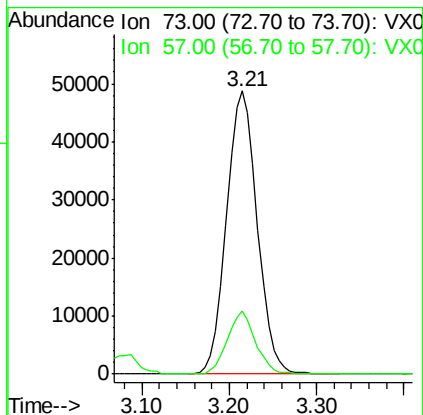
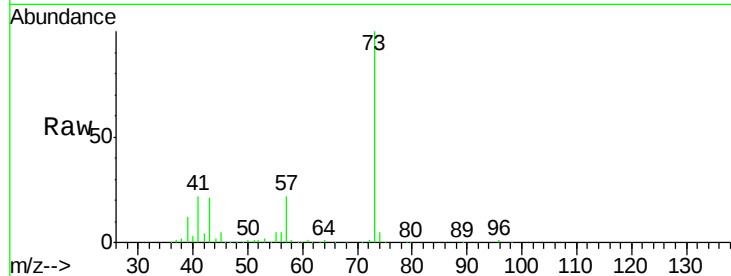


#19

Methyl tert-butyl Ether
 Concen: 22.612 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. -0.00 min
 Lab File: VX000611.D
 Acq: 31 Mar 2018 23:48

Instrument :
 MSVOA_X
 ClientSampled :

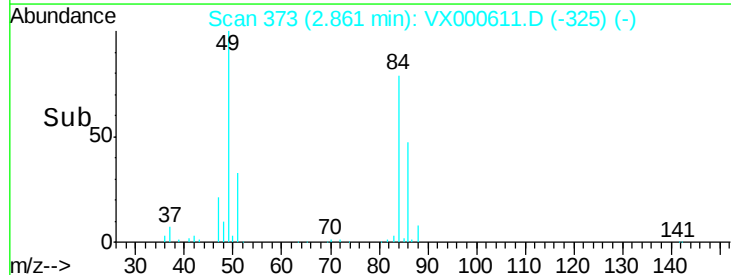
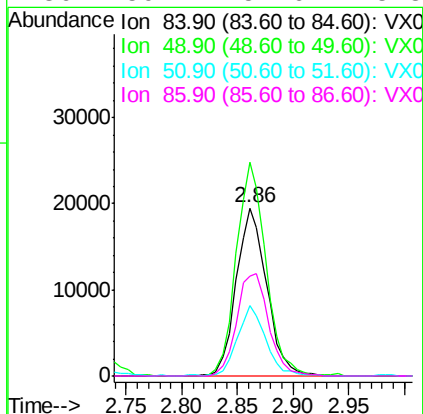
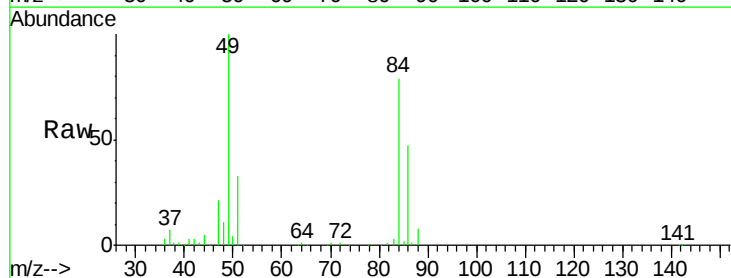
Tot Ion: 73 Resp: 118512
 Ion Ratio Lower Upper
 73 100
 57 22.4 17.2 25.8

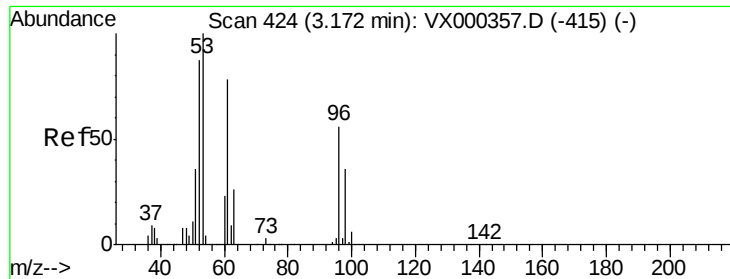


#20

Methylene Chloride
 Concen: 22.453 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.01 min
 Lab File: VX000611.D
 Acq: 31 Mar 2018 23:48

Tgt Ion: 84 Resp: 36819
 Ion Ratio Lower Upper
 84 100
 49 127.1 100.6 151.0
 51 42.0 31.6 47.4
 86 59.4 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 22.974 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :

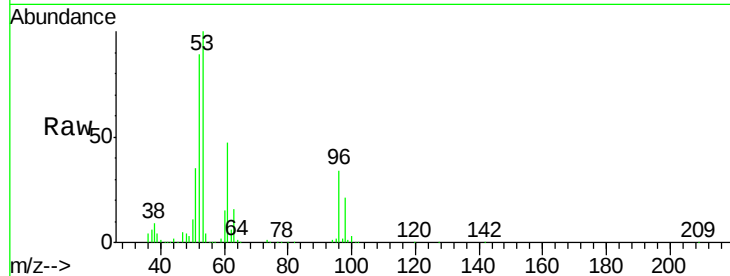
Tot Ion: 96 Resp: 36318

Ion Ratio Lower Upper

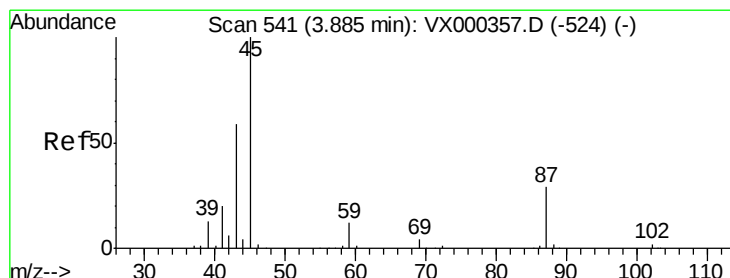
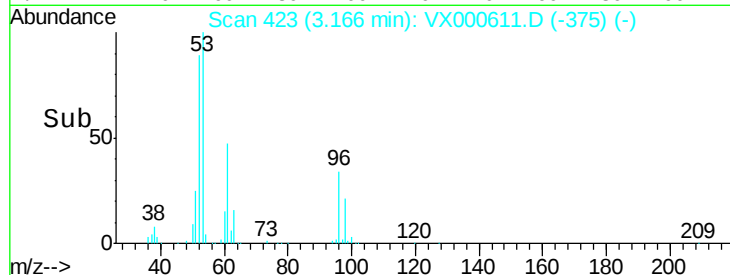
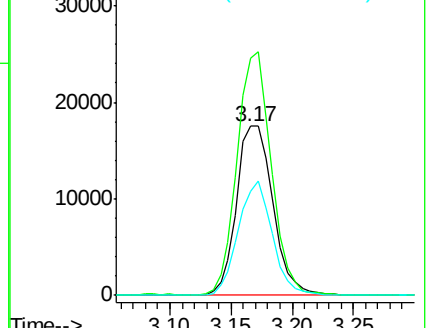
96 100

61 139.8 104.0 156.0

98 61.4 52.1 78.1



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



#22

Diisopropyl ether

Concen: 16.469 ug/l

RT: 3.89 min Scan# 541

Delta R.T. -0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Tgt Ion: 45 Resp: 72959

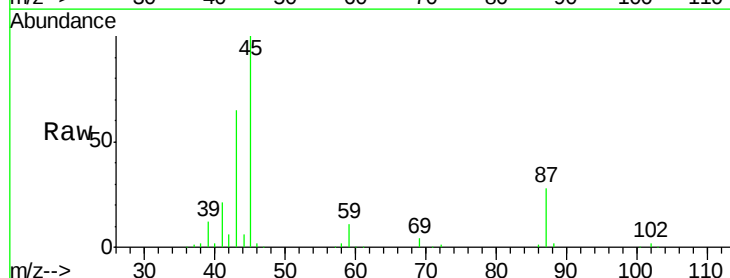
Ion Ratio Lower Upper

45 100

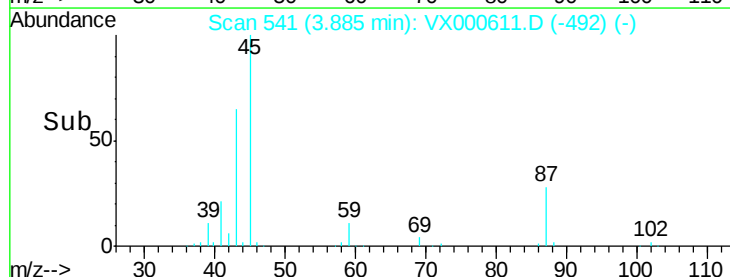
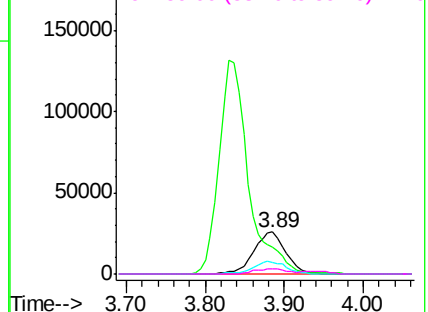
43 63.7 53.9 80.9

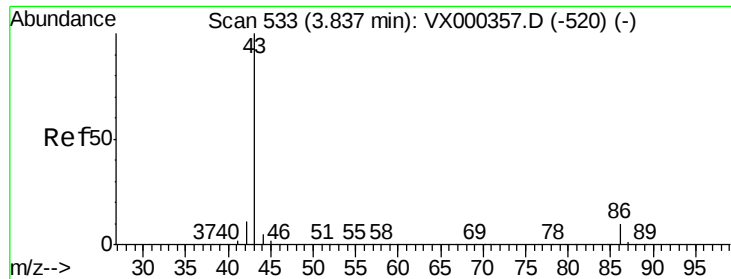
87 28.2 22.6 34.0

59 11.0 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 82.321 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.01 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Instrument :

MSVOA_X

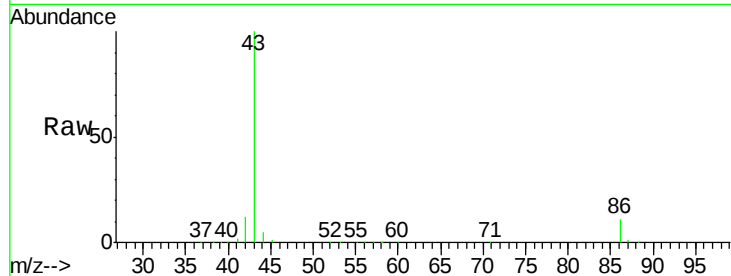
ClientSampled :

Tot Ion: 43 Resp: 345719

Ion Ratio Lower Upper

43 100

86 10.5 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

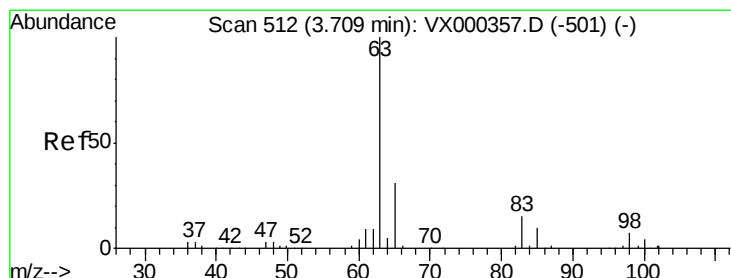
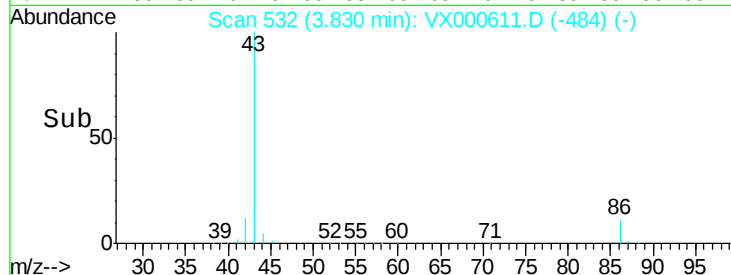
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 15.896 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

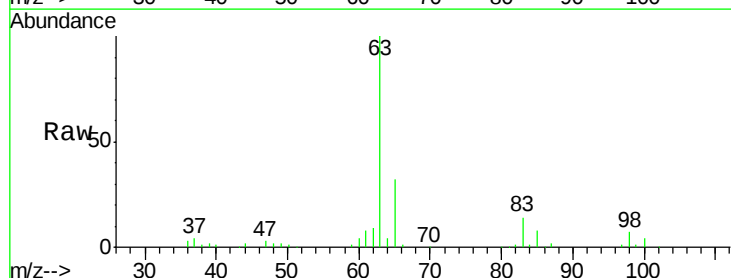
Tgt Ion: 63 Resp: 44275

Ion Ratio Lower Upper

63 100

98 7.3 3.3 9.9

100 3.9 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

25000

20000

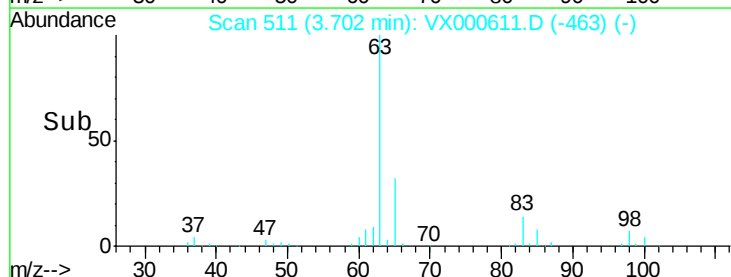
15000

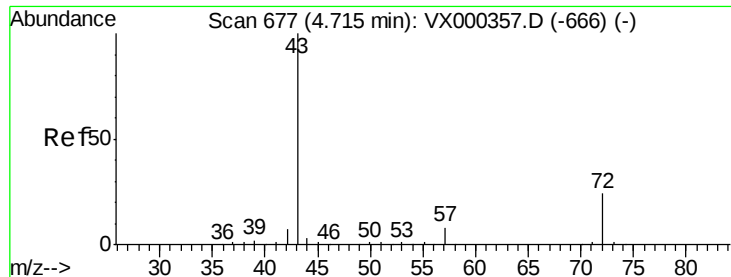
10000

5000

0

Time-->





#25

2-Butanone

Concen: 93.347 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Instrument :

MSVOA_X

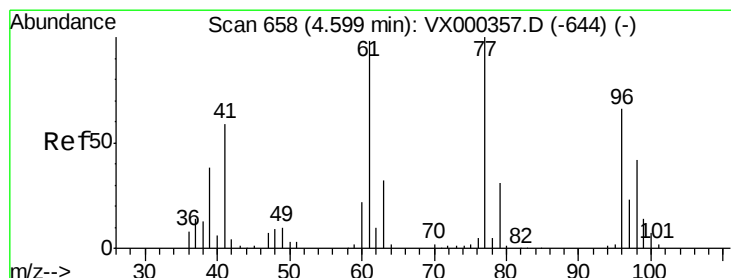
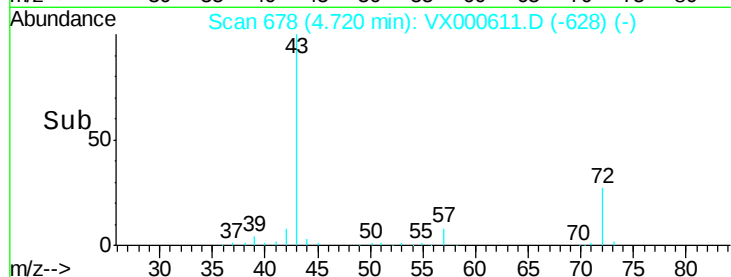
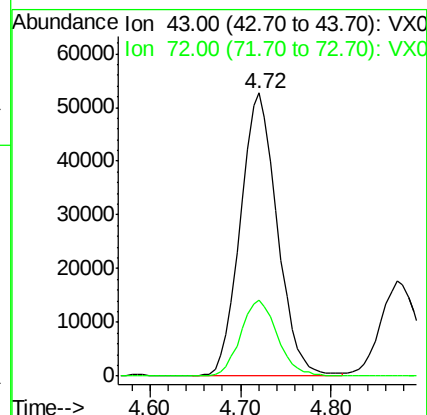
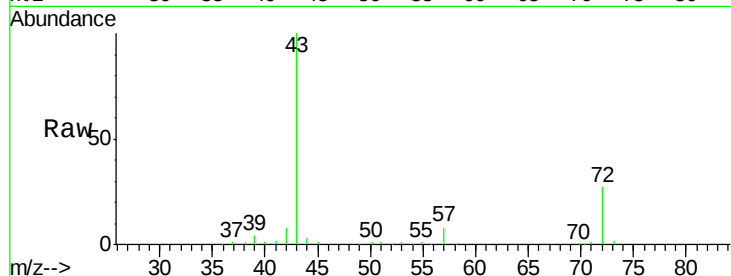
ClientSampled :

Tot Ion: 43 Resp: 148962

Ion Ratio Lower Upper

43 100

72 27.1 21.0 31.6



#26

2,2-Dichloropropane

Concen: 14.588 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX000611.D

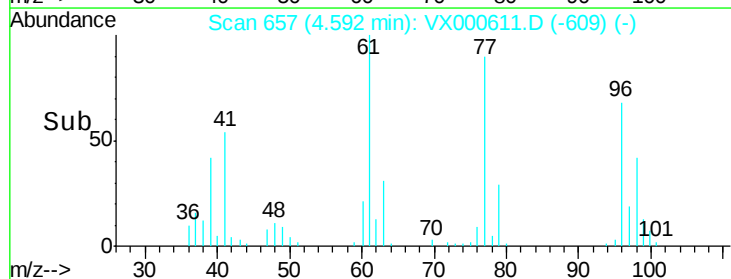
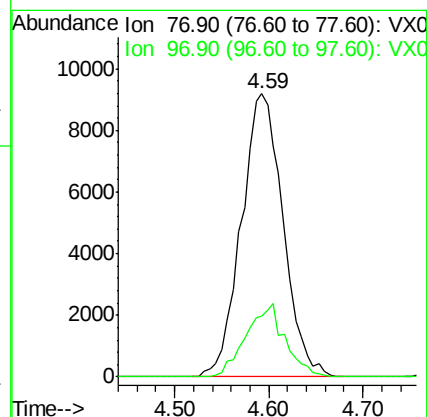
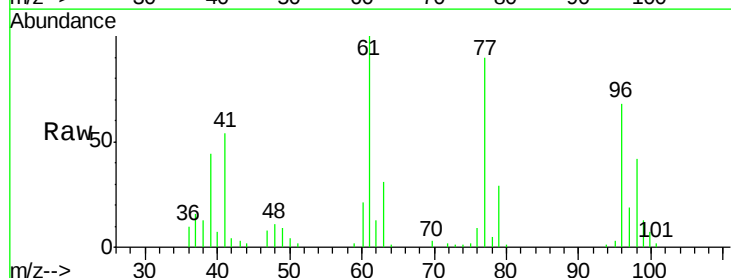
Acq: 31 Mar 2018 23:48

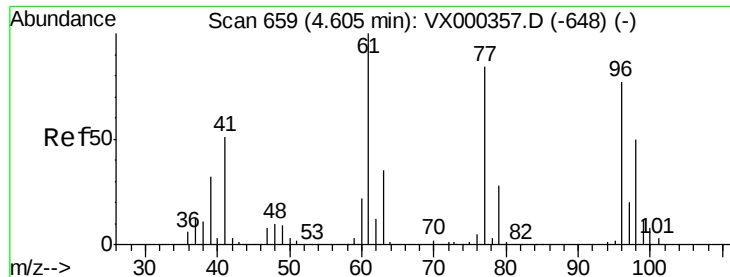
Tgt Ion: 77 Resp: 28478

Ion Ratio Lower Upper

77 100

97 24.1 11.3 33.8

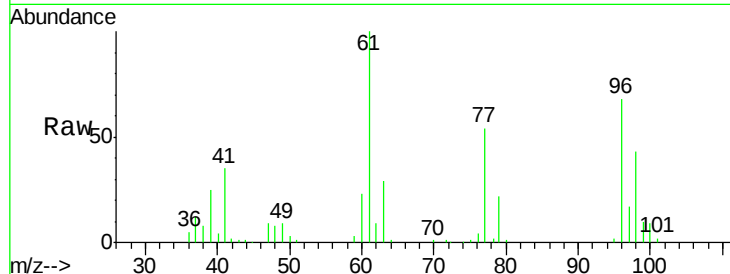




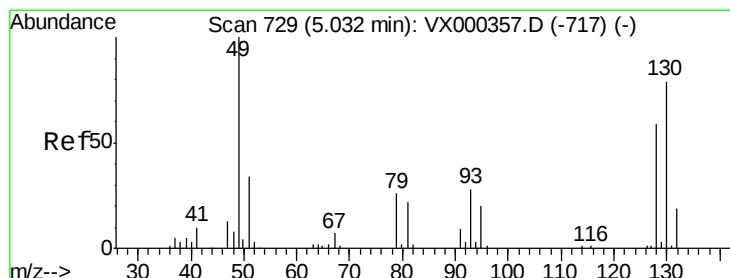
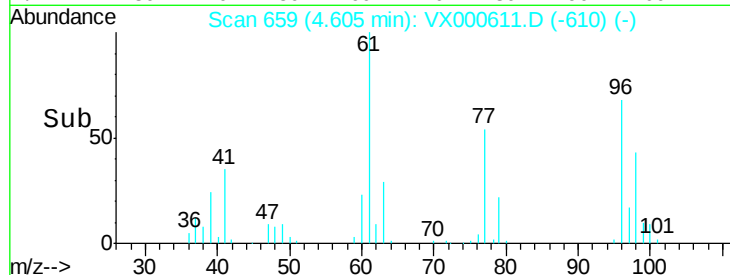
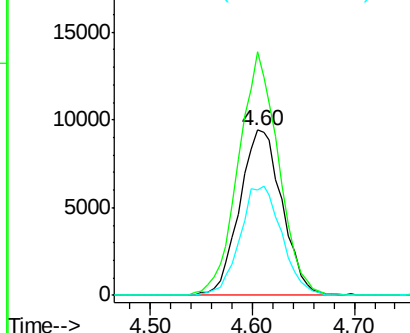
#27
 cis-1,2-Dichloroethene
 Concen: 18.443 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VX000611.D
 Acq: 31 Mar 2018 23:48

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 96 Resp: 27249
 Ion Ratio Lower Upper
 96 100
 61 139.1 0.0 291.6
 98 64.9 0.0 132.0

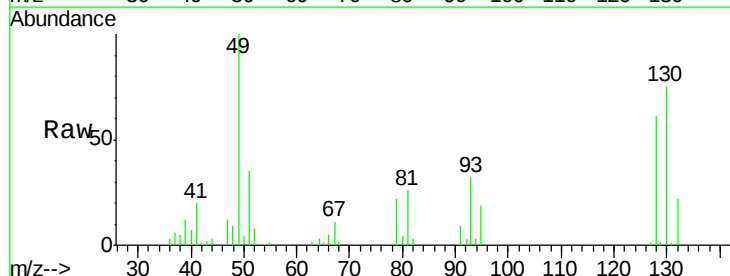


Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0

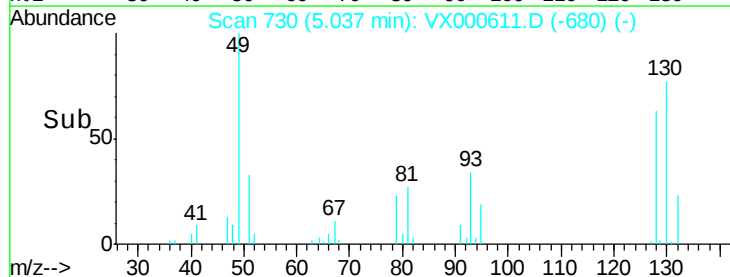
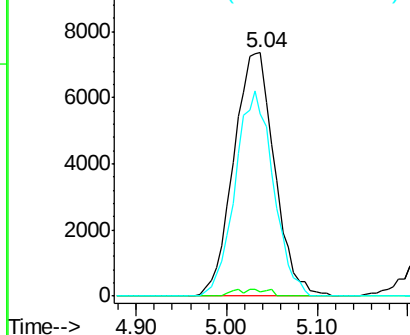


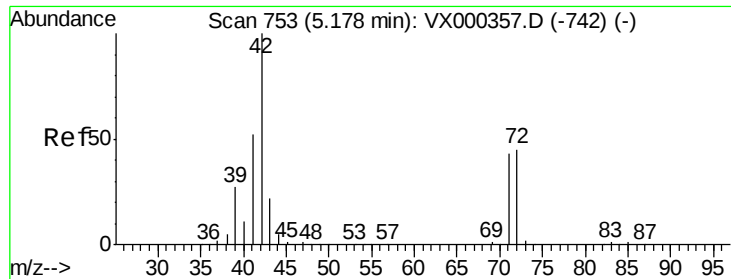
#28
 Bromochloromethane
 Concen: 20.023 ug/l
 RT: 5.04 min Scan# 730
 Delta R.T. 0.01 min
 Lab File: VX000611.D
 Acq: 31 Mar 2018 23:48

Tgt Ion: 49 Resp: 22997
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 5.0
 130 78.3 64.0 96.0



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

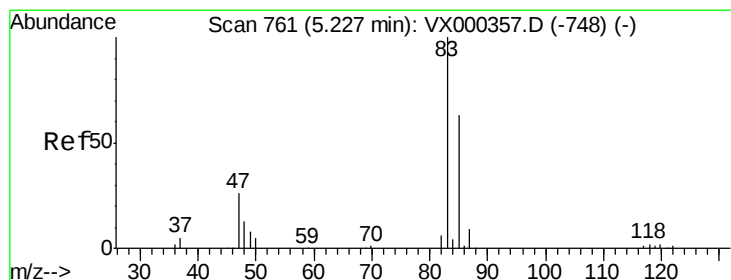
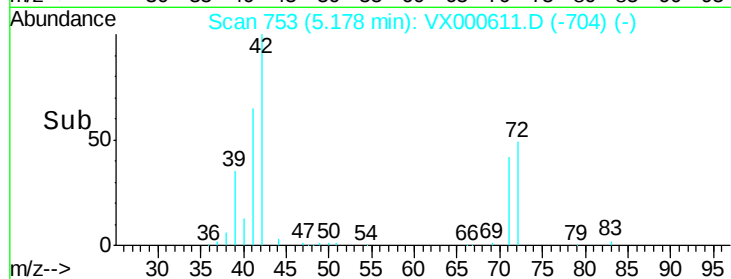
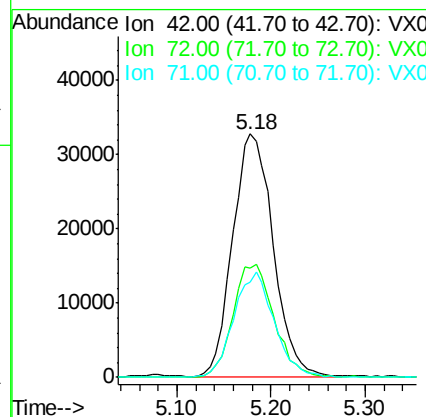
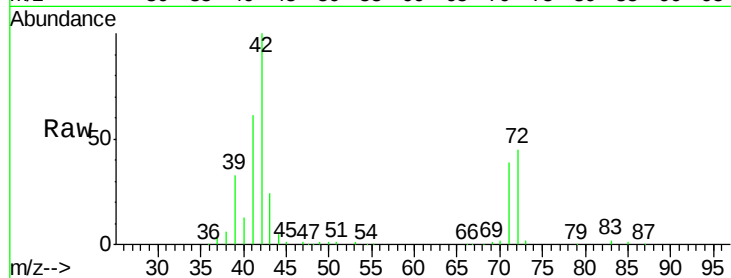




#29
Tetrahydrofuran
Concen: 100.045 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX000611.D
Acq: 31 Mar 2018 23:48

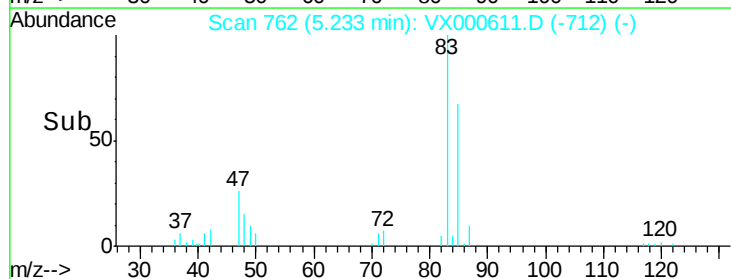
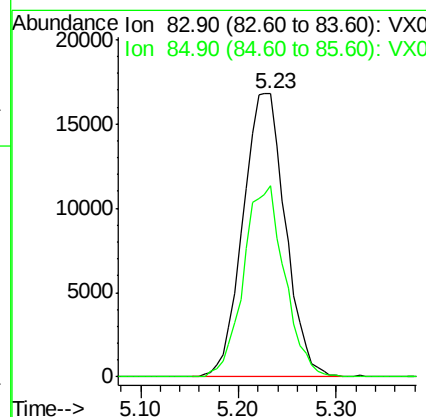
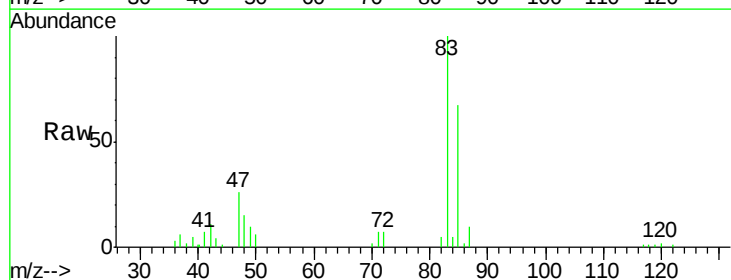
Instrument :
MSVOA_X
ClientSampled :

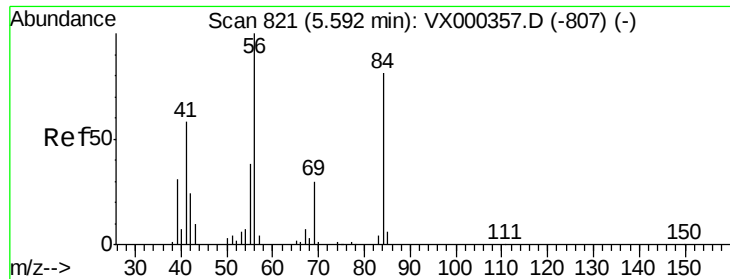
Tot Ion: 42 Resp: 98228
Ion Ratio Lower Upper
42 100
72 47.0 37.9 56.9
71 43.4 34.4 51.6



#30
Chloroform
Concen: 19.409 ug/l
RT: 5.23 min Scan# 762
Delta R.T. 0.01 min
Lab File: VX000611.D
Acq: 31 Mar 2018 23:48

Tgt Ion: 83 Resp: 50664
Ion Ratio Lower Upper
83 100
85 67.4 53.3 79.9





#31

Cyclohexane

Concen: 17.830 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.01 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Instrument :
MSVOA_X
ClientSampled :

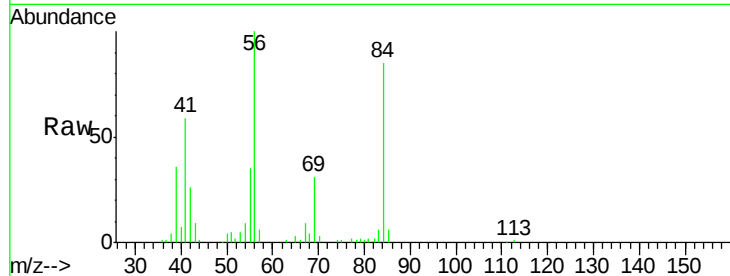
Tot Ion: 56 Resp: 38392

Ion Ratio Lower Upper

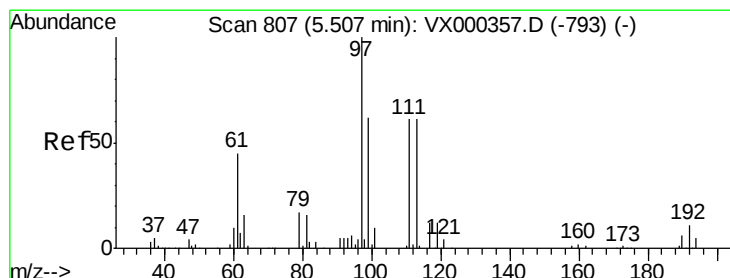
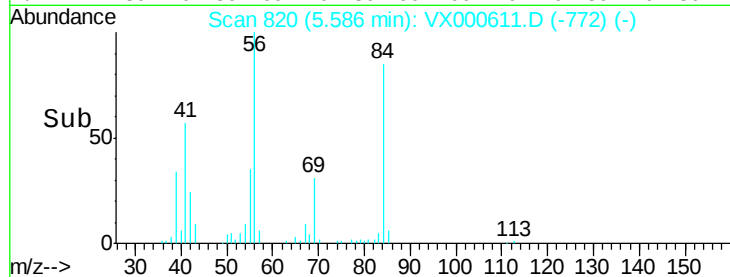
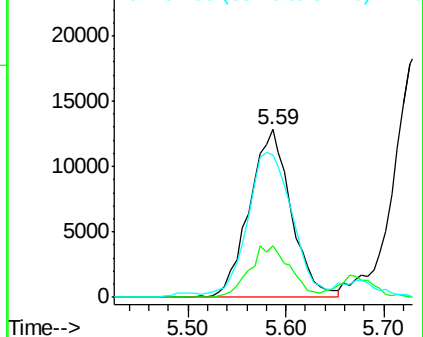
56 100

69 31.0 23.4 35.0

84 82.7 71.0 106.4



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



#32

1,1,1-Trichloroethane

Concen: 18.626 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

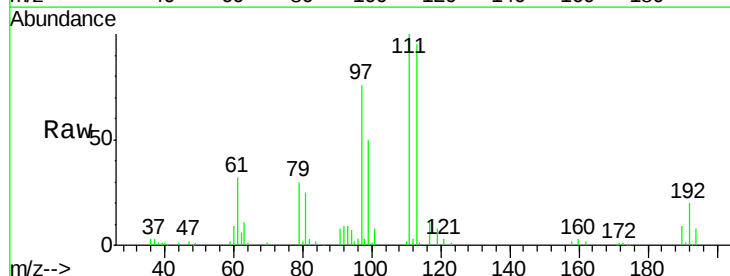
Tgt Ion: 97 Resp: 43861

Ion Ratio Lower Upper

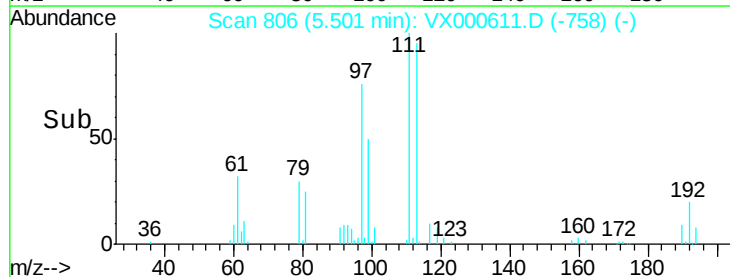
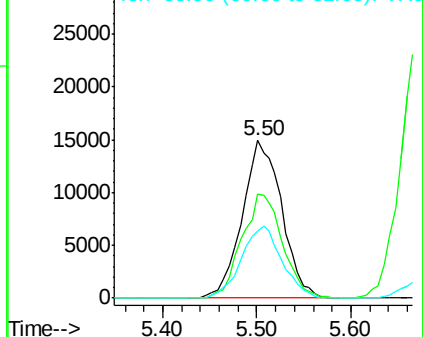
97 100

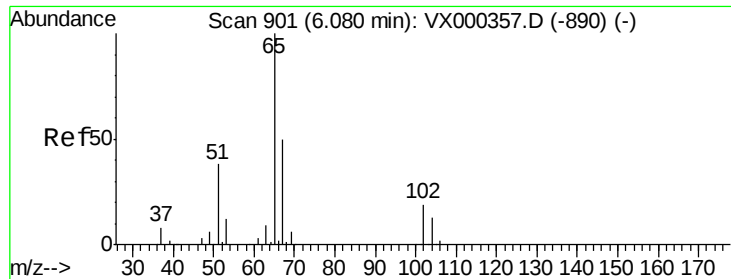
99 67.6 52.1 78.1

61 47.0 36.2 54.4



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

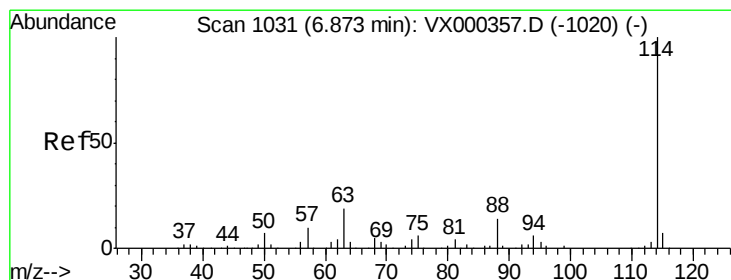
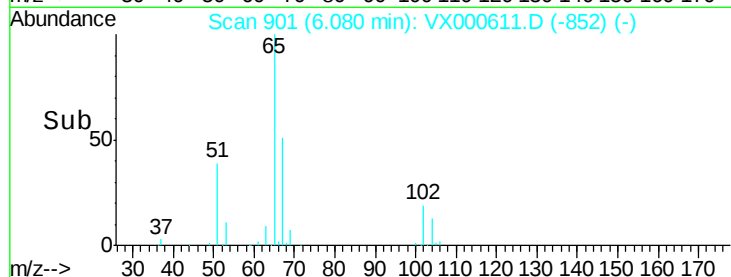
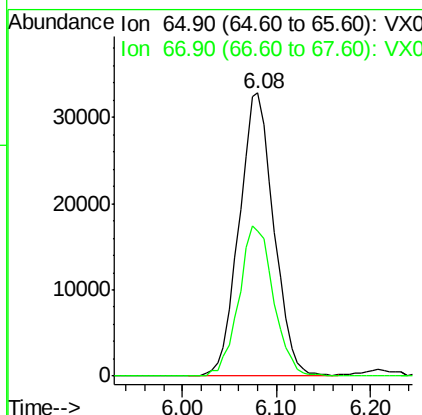
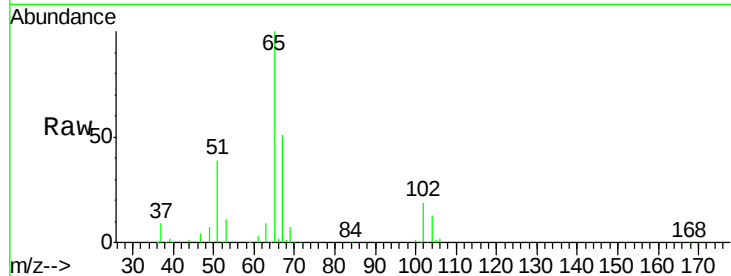




#33
 1,2-Dichloroethane-d4
 Concen: 49.551 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000611.D
 Acq: 31 Mar 2018 23:48

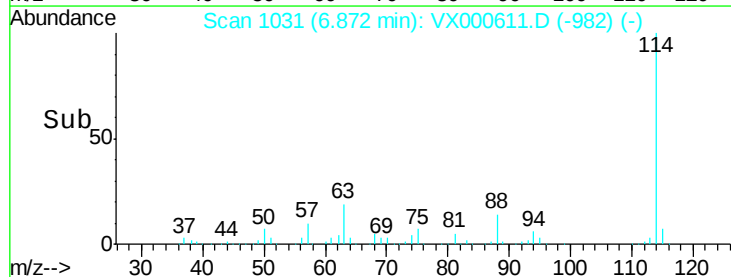
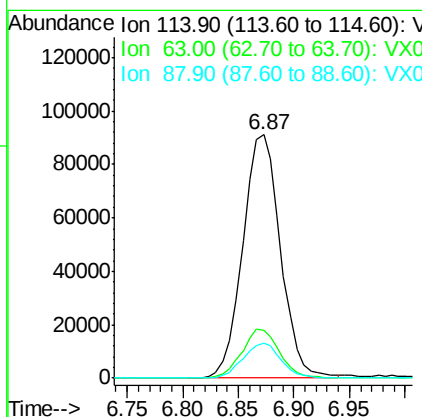
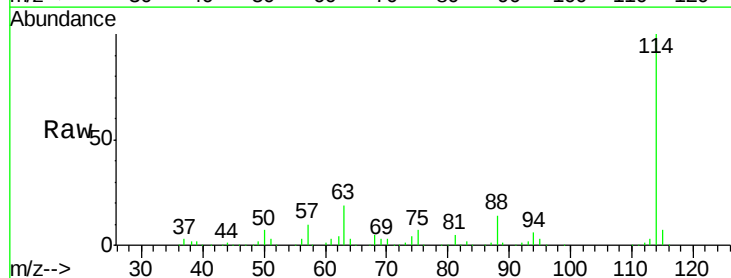
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 65 Resp: 84566
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000611.D
 Acq: 31 Mar 2018 23:48

Tgt Ion: 114 Resp: 214286
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.4
 88 14.4 0.0 27.0

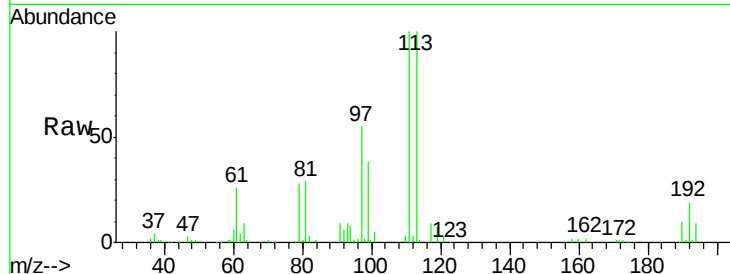




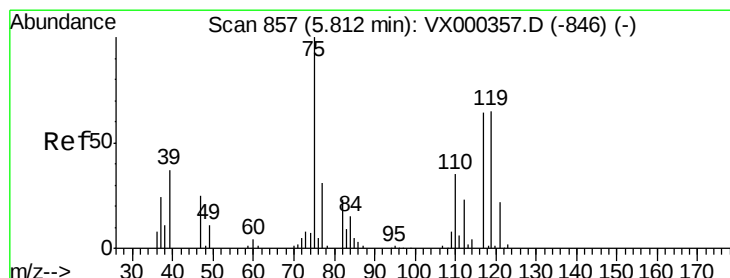
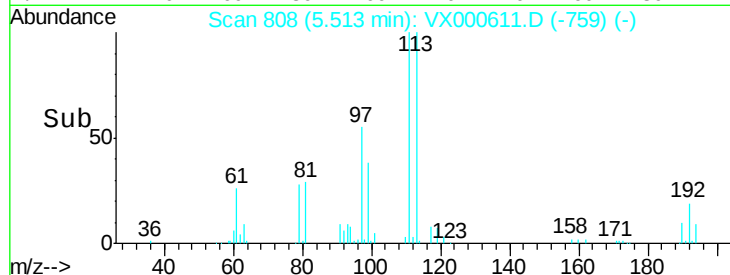
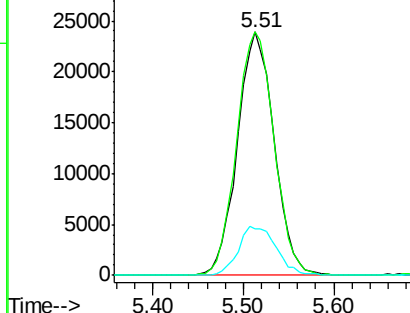
#35
Dibromofluoromethane
Concen: 49.597 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX000611.D
Acq: 31 Mar 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:113 Resp: 66965
Ion Ratio Lower Upper
113 100
111 102.2 82.4 123.6
192 20.6 15.8 23.6

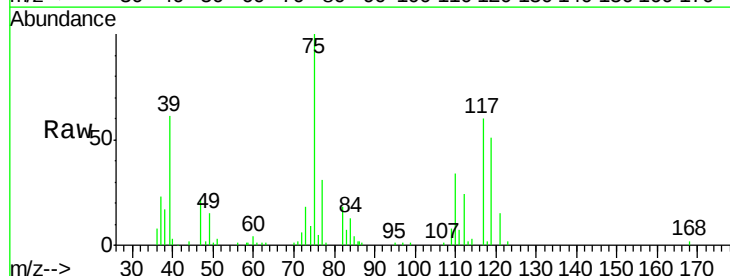


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

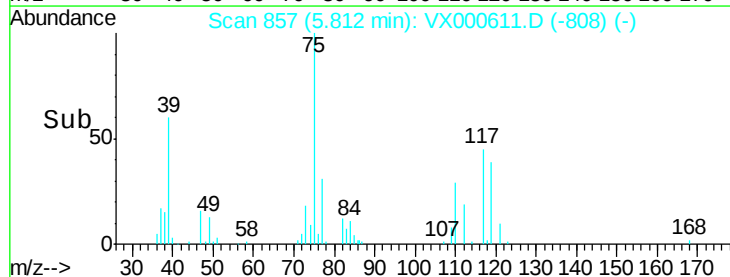
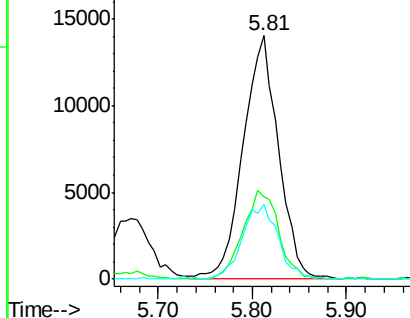


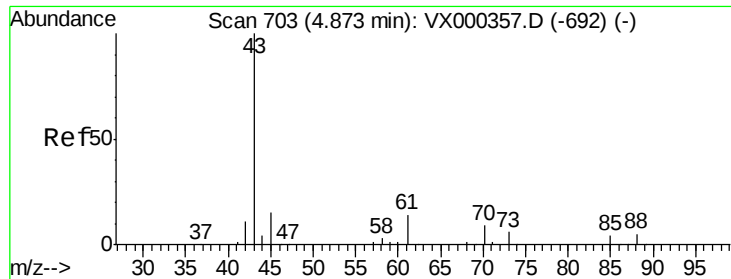
#36
1,1-Dichloropropene
Concen: 18.315 ug/l
RT: 5.81 min Scan# 857
Delta R.T. -0.00 min
Lab File: VX000611.D
Acq: 31 Mar 2018 23:48

Tgt Ion: 75 Resp: 36763
Ion Ratio Lower Upper
75 100
110 36.6 17.9 53.7
77 31.2 24.0 36.0



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

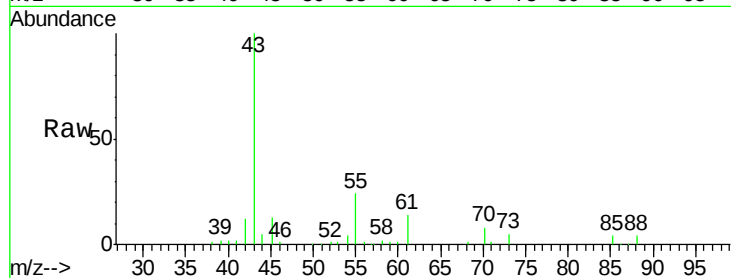




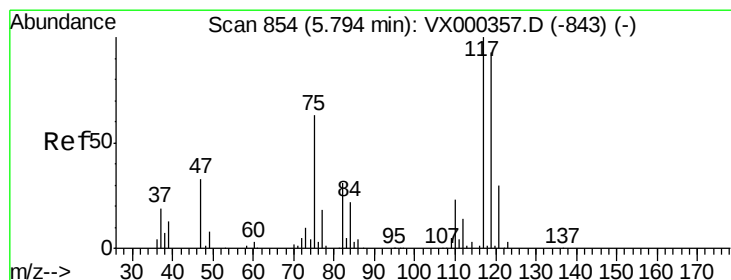
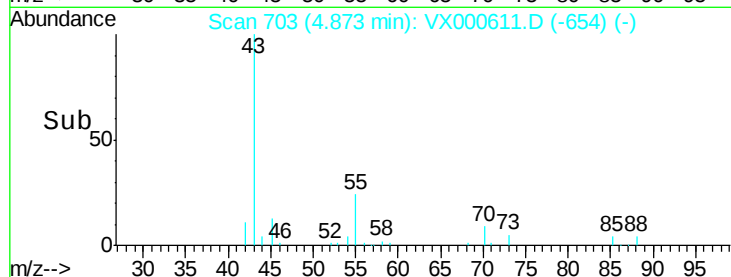
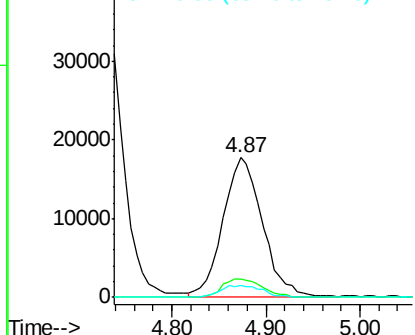
#37
Ethyl Acetate
Concen: 18.740 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX000611.D
Acq: 31 Mar 2018 23:48

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 51381
Ion Ratio Lower Upper
43 100
61 13.8 11.1 16.7
70 9.1 7.7 11.5

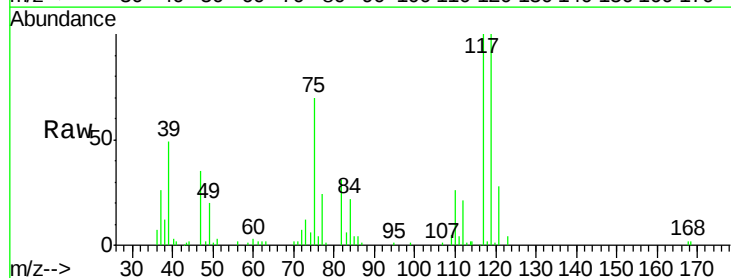


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

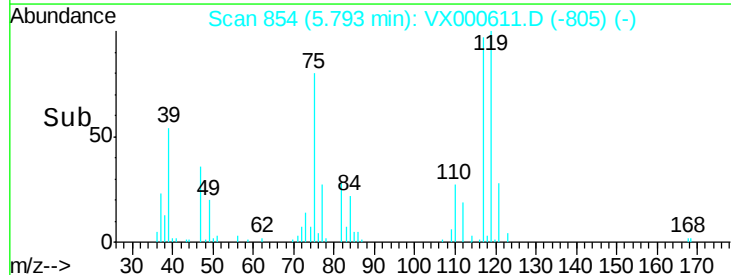
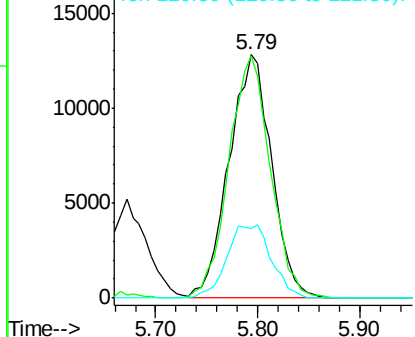


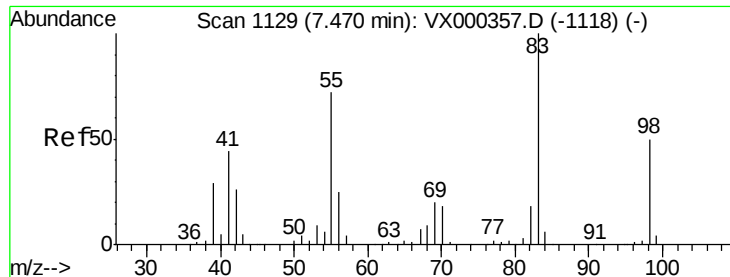
#38
Carbon Tetrachloride
Concen: 17.685 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000611.D
Acq: 31 Mar 2018 23:48

Tgt Ion: 117 Resp: 37240
Ion Ratio Lower Upper
117 100
119 99.6 77.4 116.2
121 28.5 24.8 37.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

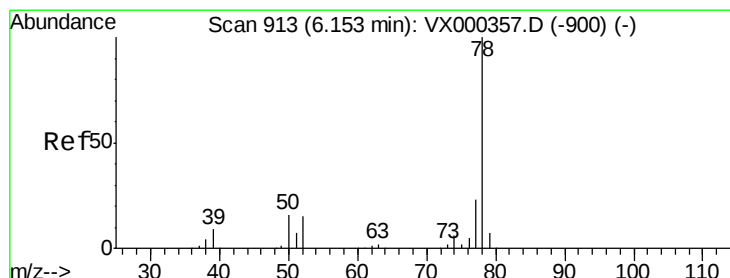
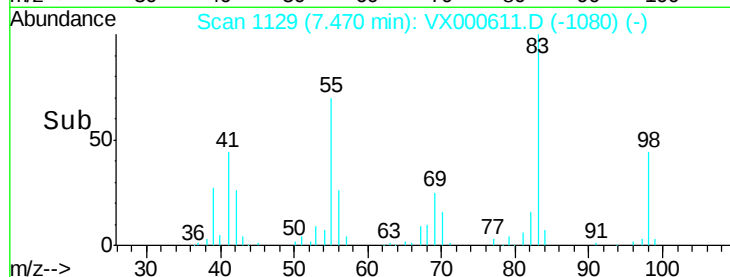
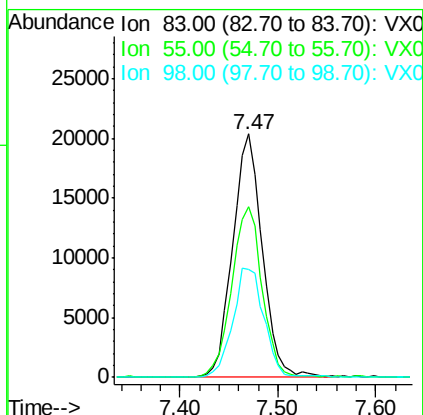
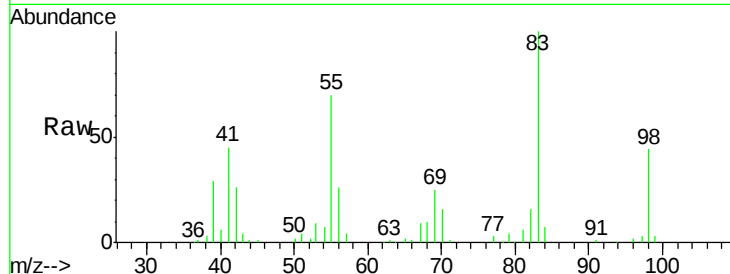




#39
Methvlcvclohexane
Concen: 17.583 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000611.D
Acq: 31 Mar 2018 23:48

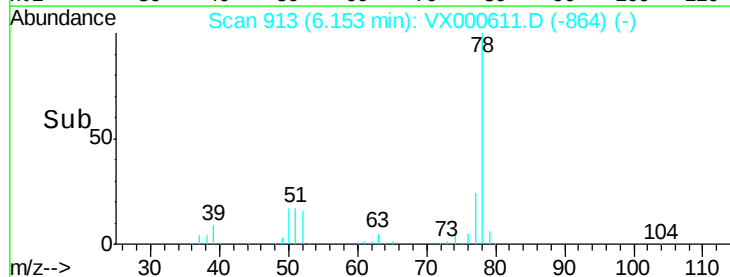
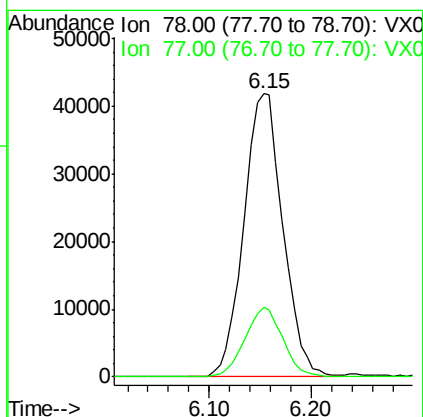
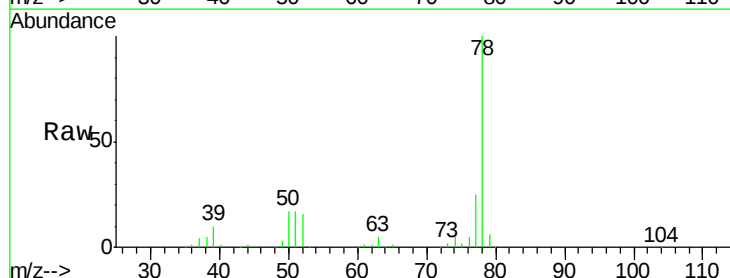
Instrument :
MSVOA_X
ClientSampled :

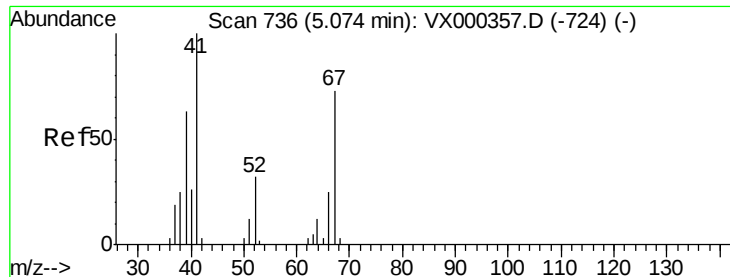
Tot Ion: 83 Resp: 42921
Ion Ratio Lower Upper
83 100
55 69.9 55.5 83.3
98 44.2 38.2 57.4



#40
Benzene
Concen: 19.076 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000611.D
Acq: 31 Mar 2018 23:48

Tgt Ion: 78 Resp: 111195
Ion Ratio Lower Upper
78 100
77 24.8 18.7 28.1

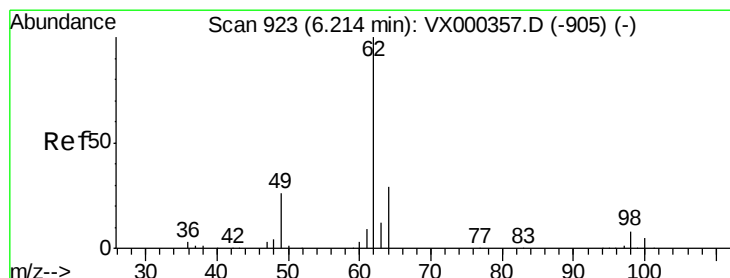
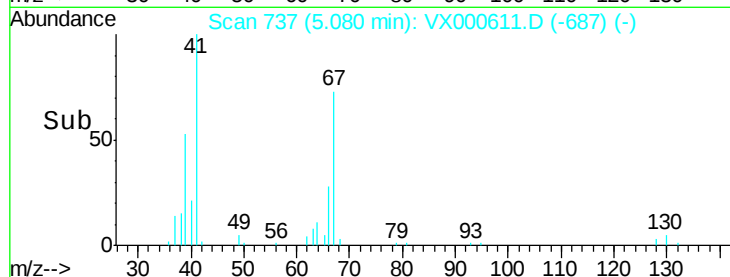
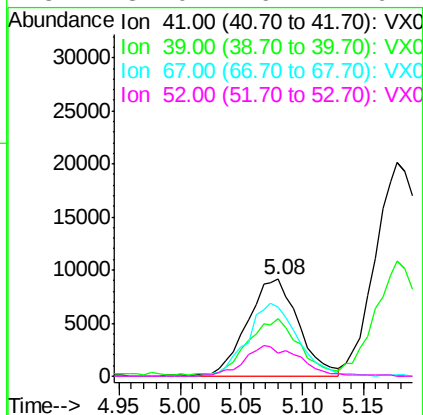
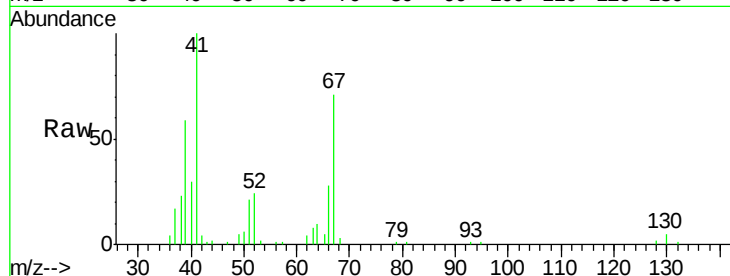




#41
Methacrylonitrile
Concen: 18.582 ug/l
RT: 5.08 min Scan# 737
Delta R.T. 0.01 min
Lab File: VX000611.D
Acq: 31 Mar 2018 23:48

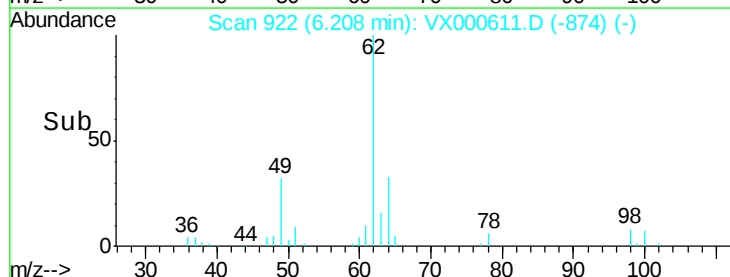
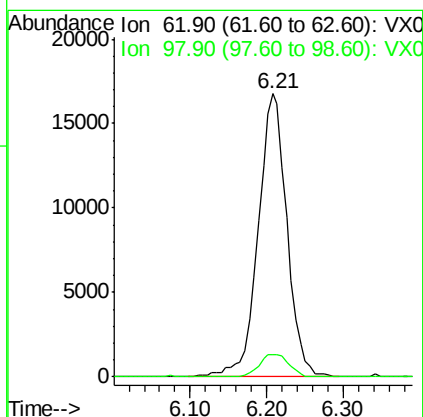
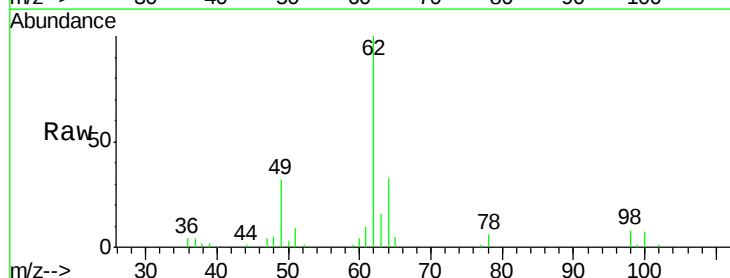
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 41 Resp: 26861
Ion Ratio Lower Upper
41 100
39 54.8 45.7 68.5
67 73.2 57.8 86.8
52 34.0 26.7 40.1



#42
1,2-Dichloroethane
Concen: 19.187 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.01 min
Lab File: VX000611.D
Acq: 31 Mar 2018 23:48

Tgt Ion: 62 Resp: 43883
Ion Ratio Lower Upper
62 100
98 8.1 0.0 15.8



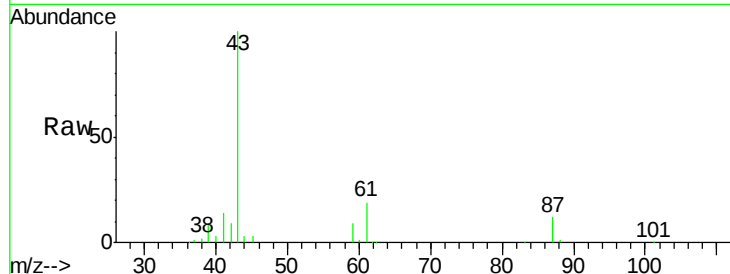


#43

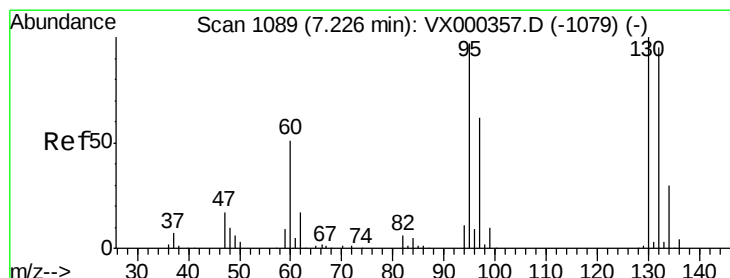
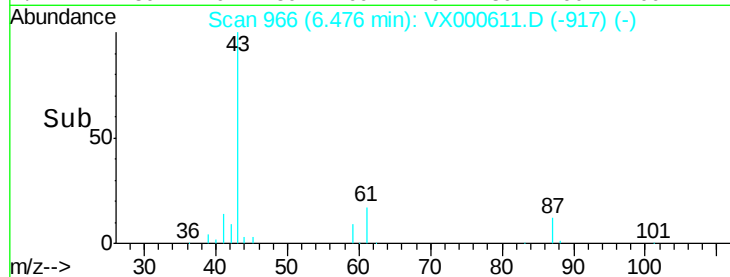
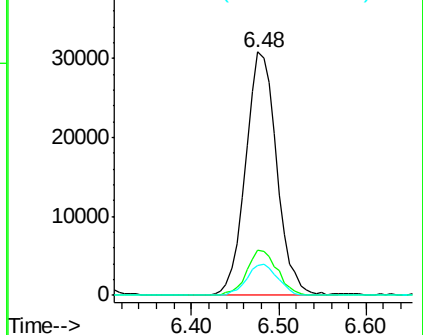
Isopropyl Acetate
 Concen: 18.663 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX000611.D
 Acq: 31 Mar 2018 23:48

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 43 Resp: 76171
 Ion Ratio Lower Upper
 43 100
 61 18.2 14.4 21.6
 87 12.9 11.0 16.4



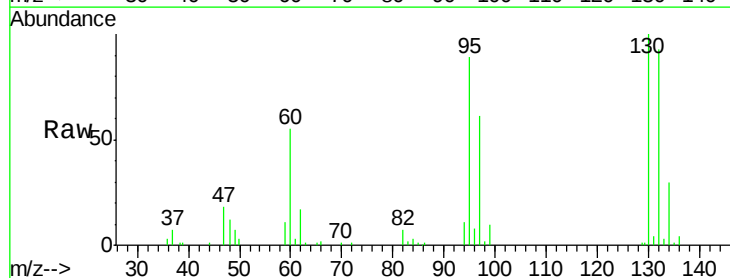
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



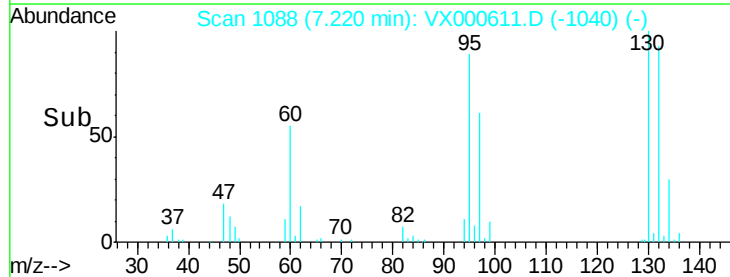
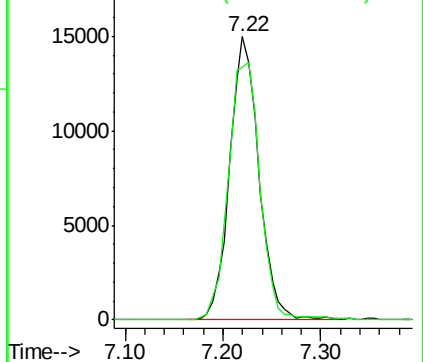
#44

Trichloroethene
 Concen: 18.598 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VX000611.D
 Acq: 31 Mar 2018 23:48

Tgt Ion:130 Resp: 31058
 Ion Ratio Lower Upper
 130 100
 95 89.5 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.549 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

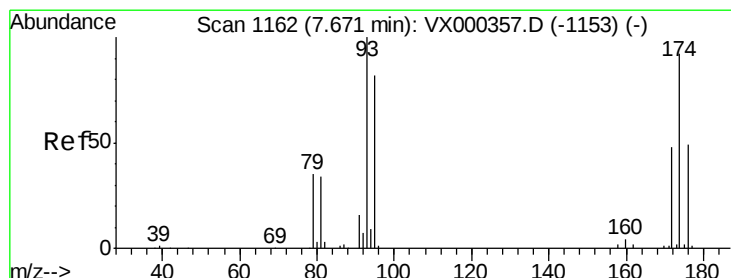
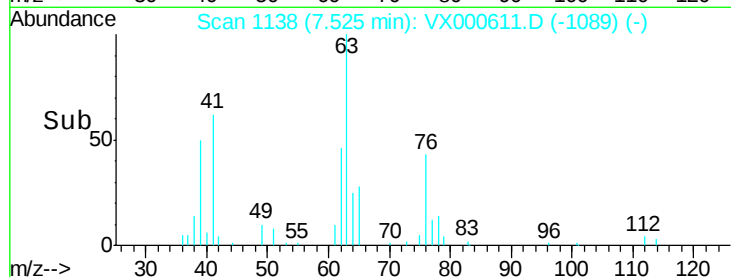
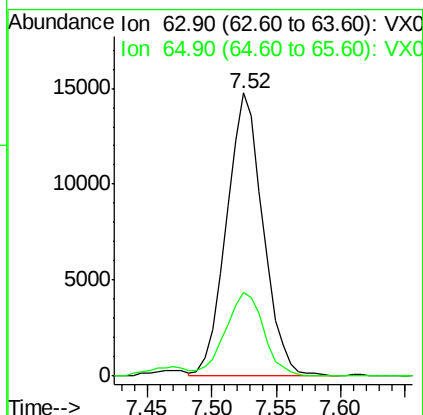
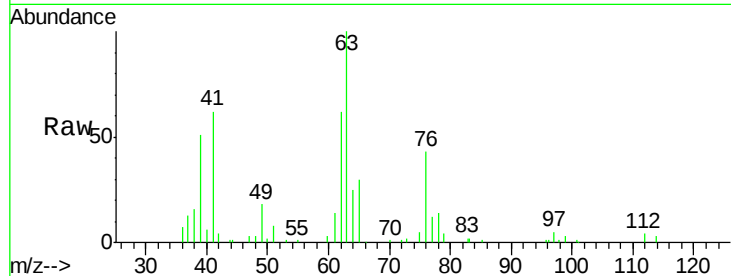
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 63 Resp: 29168

Ion Ratio Lower Upper

63 100

65 29.6 24.6 36.8



#46

Dibromomethane

Concen: 19.161 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

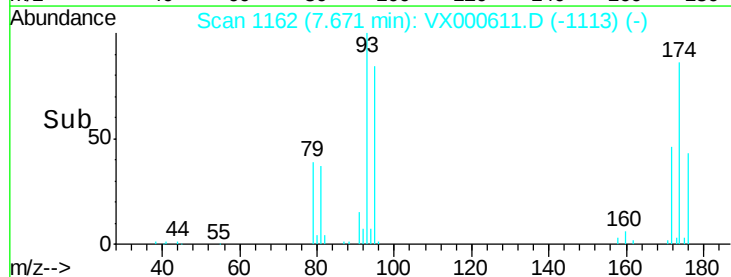
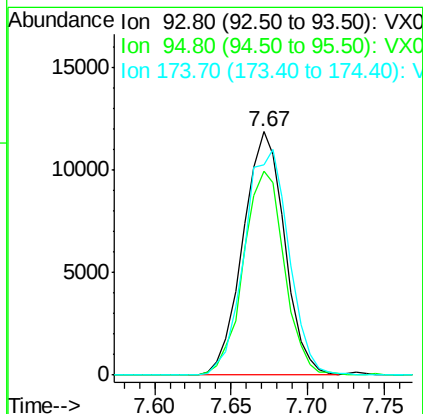
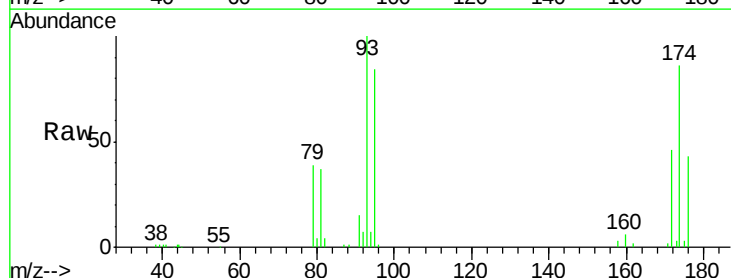
Tgt Ion: 93 Resp: 22440

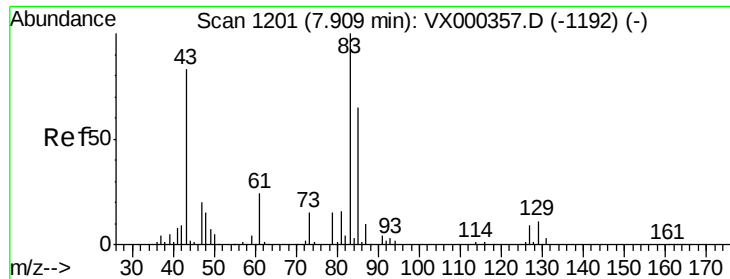
Ion Ratio Lower Upper

93 100

95 82.3 66.5 99.7

174 98.9 76.0 114.0





#47

Bromodichloromethane

Concen: 19.663 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :

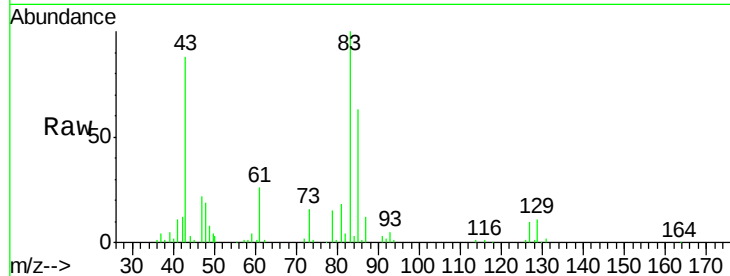
Tot Ion: 83 Resp: 40516

Ion Ratio Lower Upper

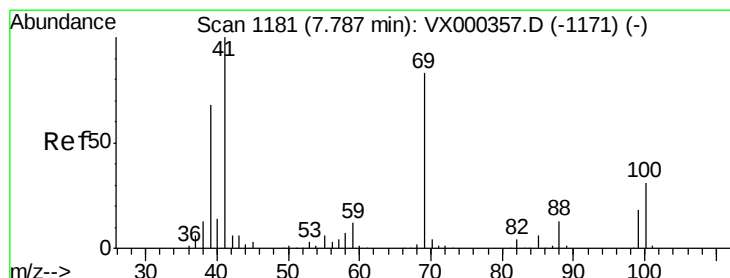
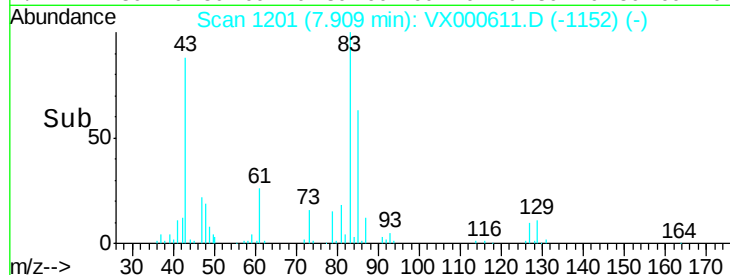
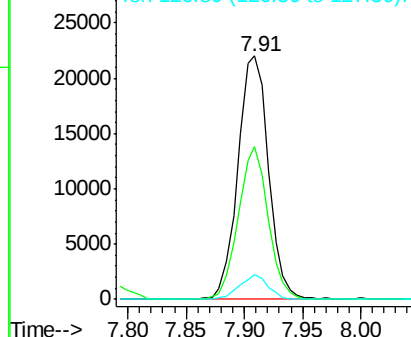
83 100

85 62.7 51.4 77.0

127 10.2 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.431 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

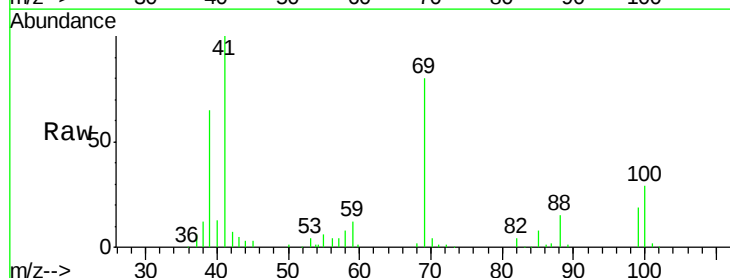
Tgt Ion: 41 Resp: 38501

Ion Ratio Lower Upper

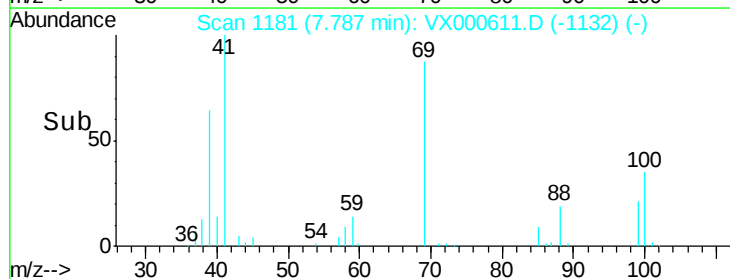
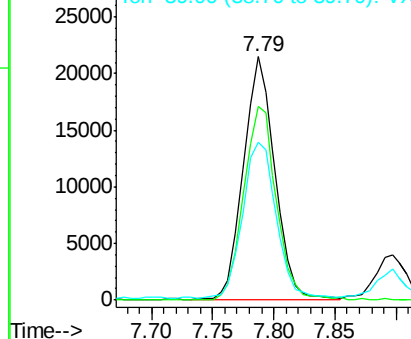
41 100

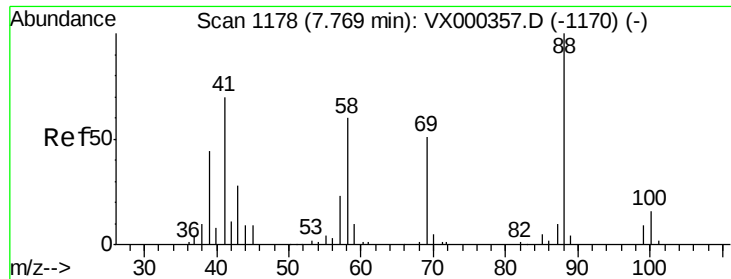
69 82.4 68.2 102.4

39 67.9 54.6 81.8



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

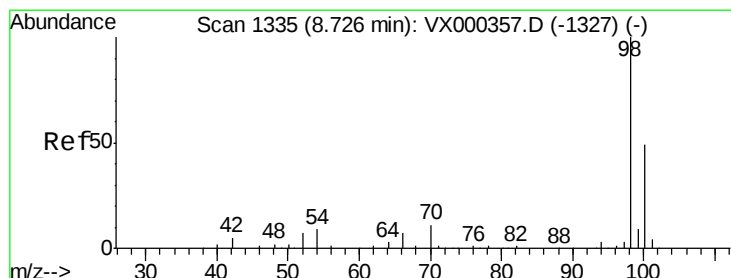
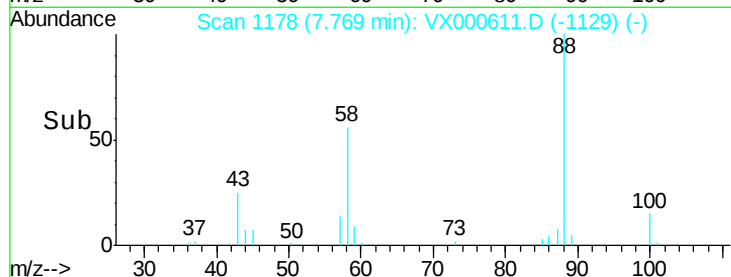
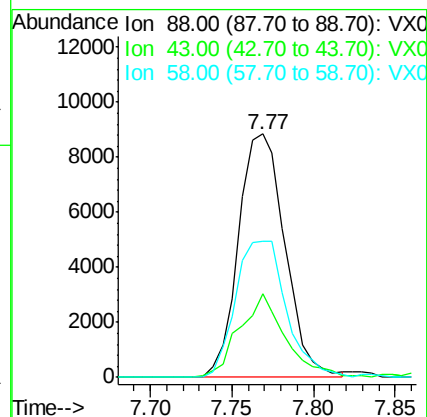
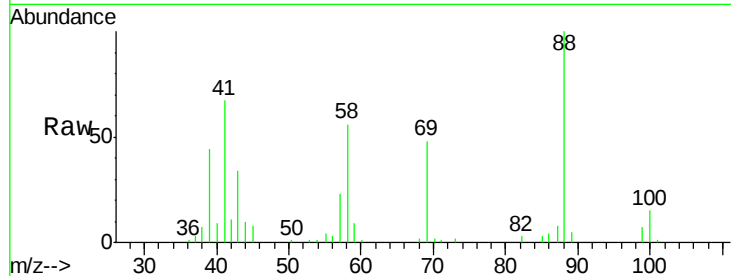




#49
 1,4-Dioxane
 Concen: 419.285 ug/l
 RT: 7.77 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VX000611.D
 Acq: 31 Mar 2018 23:48

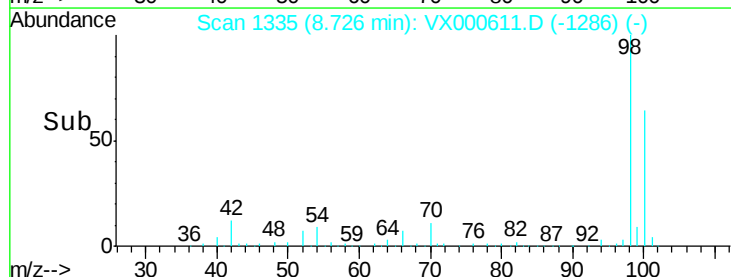
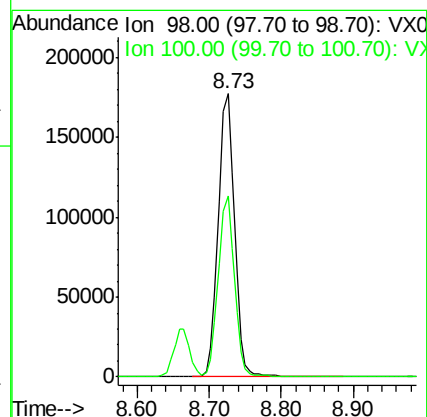
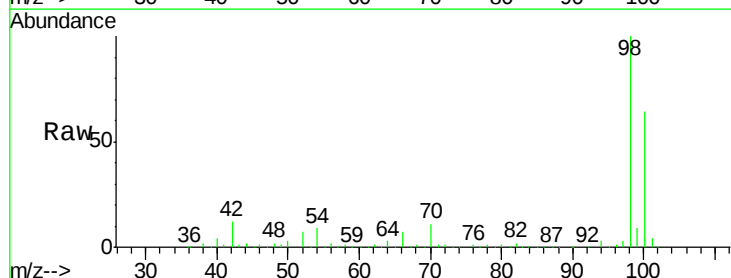
Instrument :
 MSVOA_X
 ClientSampled :

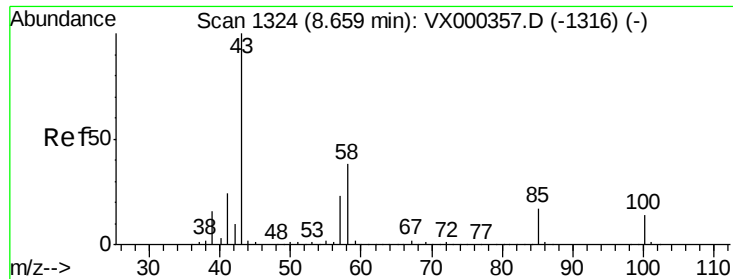
Tot Ion: 88 Resp: 17463
 Ion Ratio Lower Upper
 88 100
 43 34.6 26.8 40.2
 58 61.5 52.2 78.2



#50
 Toluene-d8
 Concen: 49.848 ug/l
 RT: 8.73 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VX000611.D
 Acq: 31 Mar 2018 23:48

Tgt Ion: 98 Resp: 278748
 Ion Ratio Lower Upper
 98 100
 100 63.4 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 99.053 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Instrument :

MSVOA_X

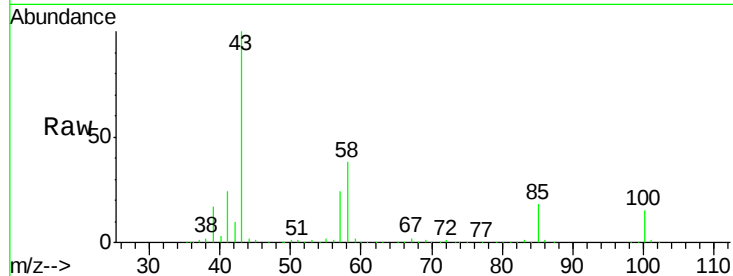
ClientSampleId :

Tot Ion: 43 Resp: 312918

Ion Ratio Lower Upper

43 100

58 37.1 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

200000

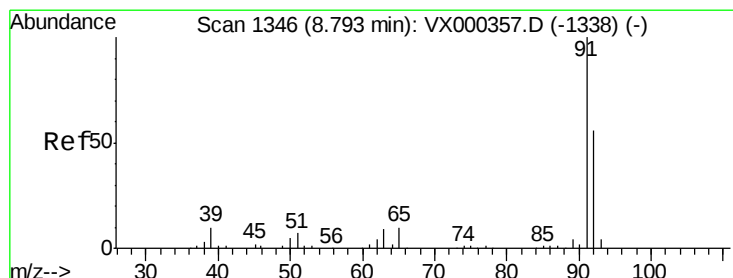
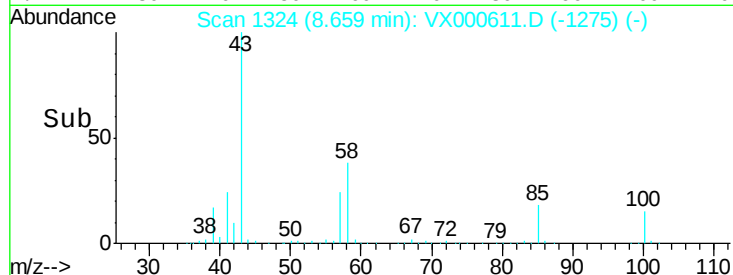
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.776 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000611.D

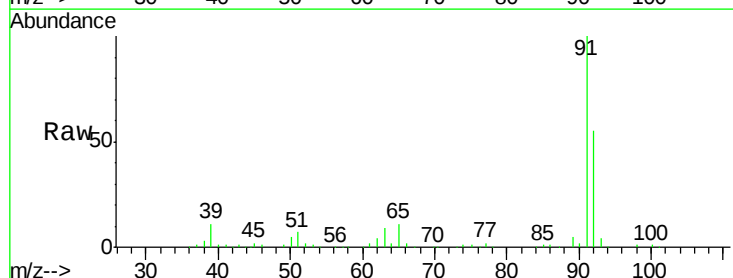
Acq: 31 Mar 2018 23:48

Tgt Ion: 92 Resp: 80587

Ion Ratio Lower Upper

92 100

91 172.2 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

100000

80000

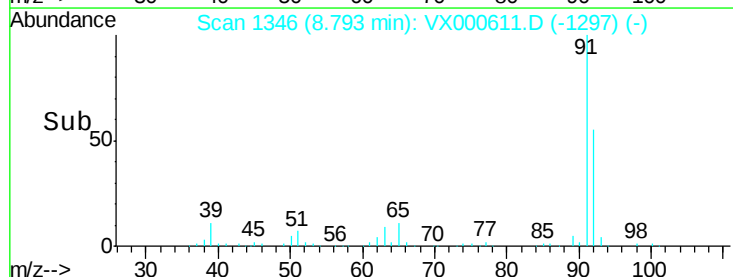
60000

40000

20000

0

Time-->

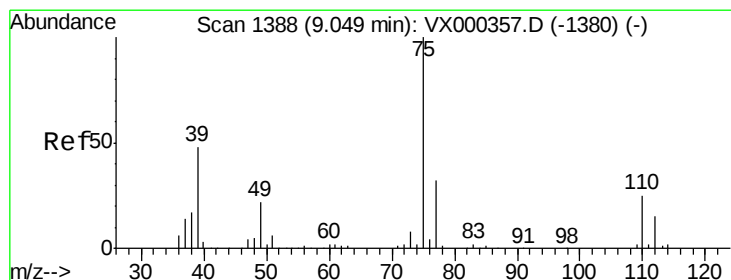
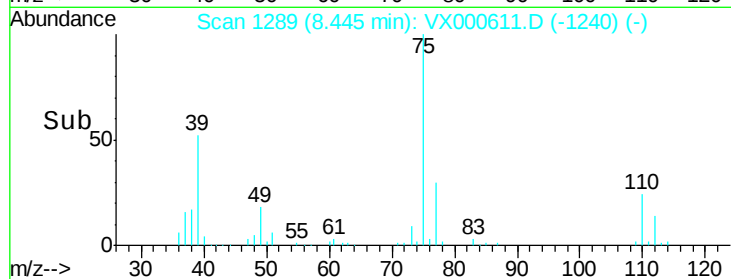
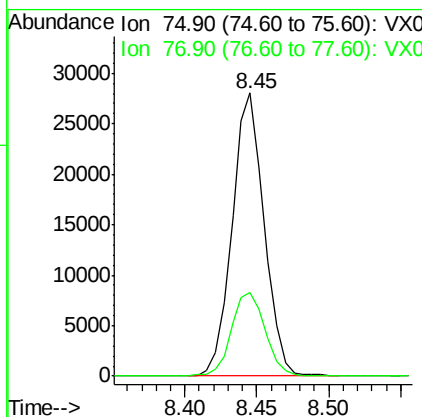
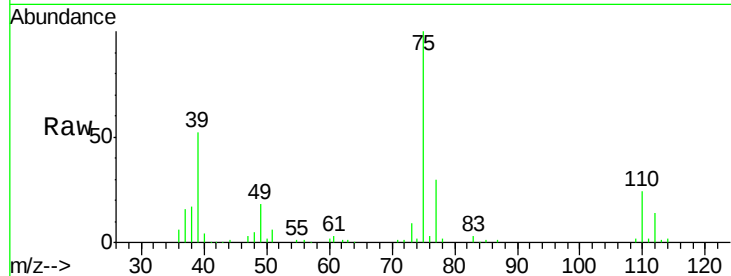




#53
 t-1,3-Dichloropropene
 Concen: 18.182 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VX000611.D
 Acq: 31 Mar 2018 23:48

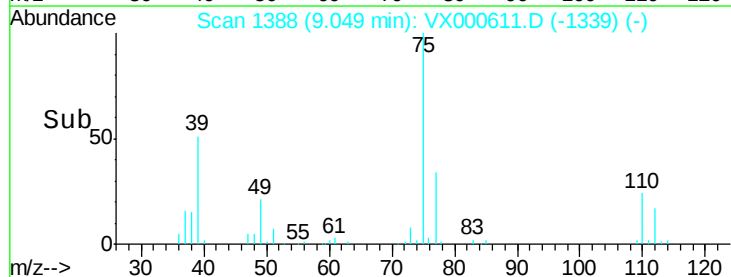
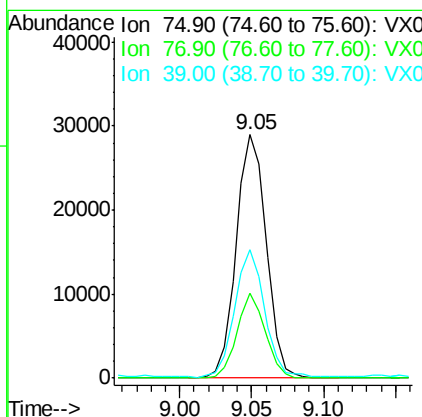
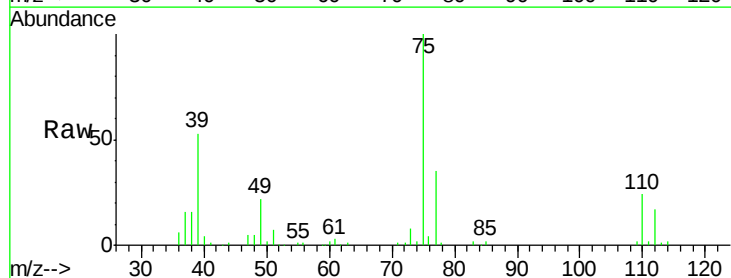
Instrument :
 MSVOA_X
 ClientSampleId :

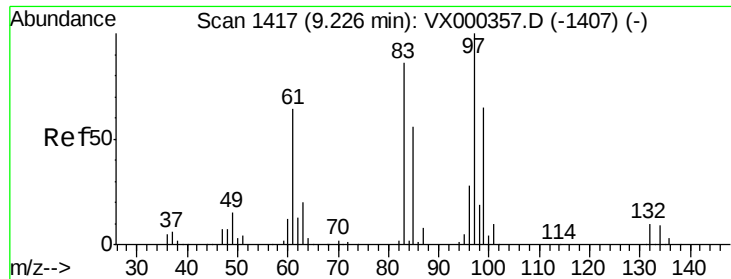
Tot Ion: 75 Resp: 43414
 Ion Ratio Lower Upper
 75 100
 77 29.7 24.0 36.0



#54
 cis-1,3-Dichloropropene
 Concen: 18.189 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX000611.D
 Acq: 31 Mar 2018 23:48

Tgt Ion: 75 Resp: 42127
 Ion Ratio Lower Upper
 75 100
 77 34.7 26.1 39.1
 39 52.1 39.8 59.6





#55

1,1,2-Trichloroethane

Concen: 19.961 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 33450

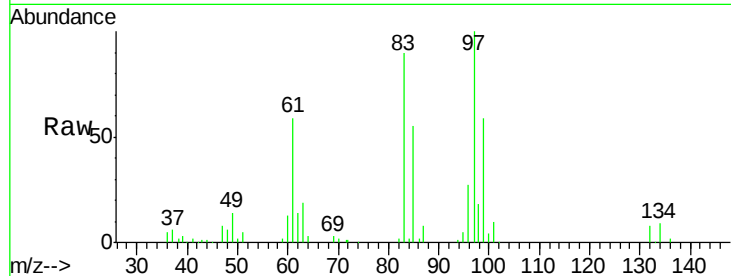
Ion Ratio Lower Upper

97 100

83 89.5 67.9 101.9

85 55.4 42.8 64.2

99 58.6 49.4 74.2

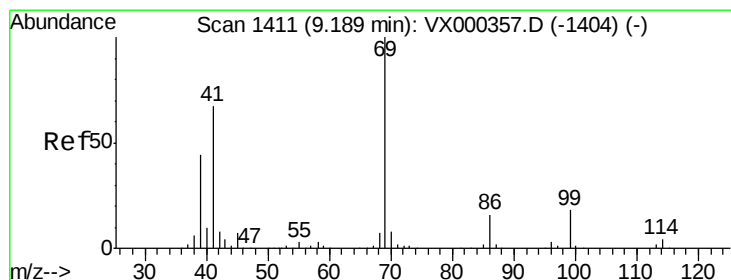
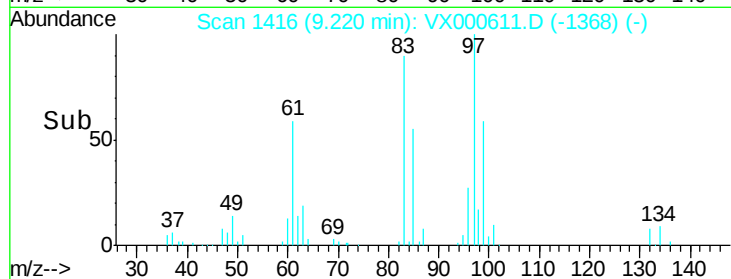
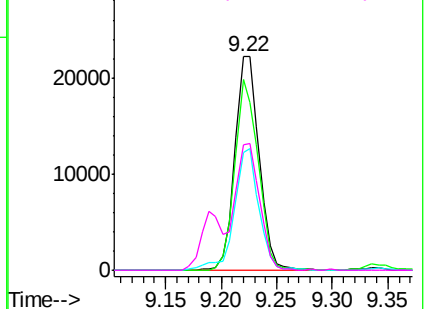


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 18.598 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

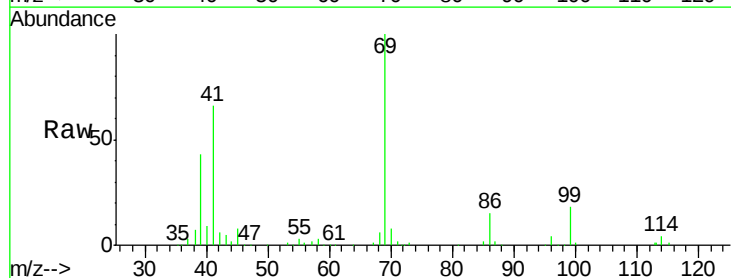
Tgt Ion: 69 Resp: 47226

Ion Ratio Lower Upper

69 100

41 67.7 53.0 79.6

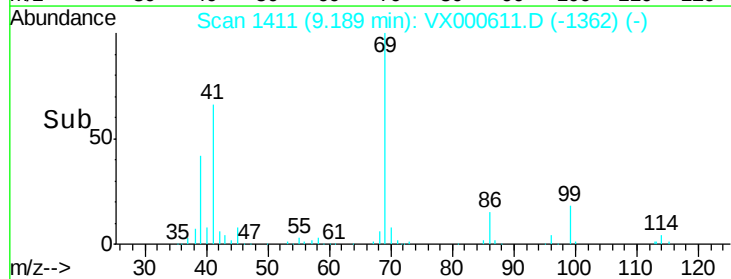
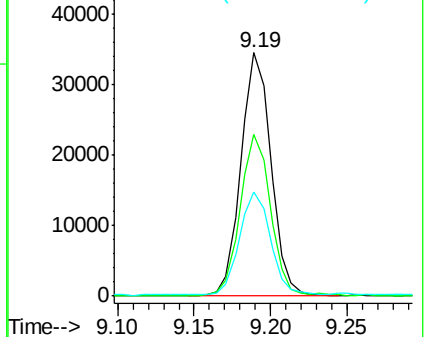
39 42.8 35.3 52.9

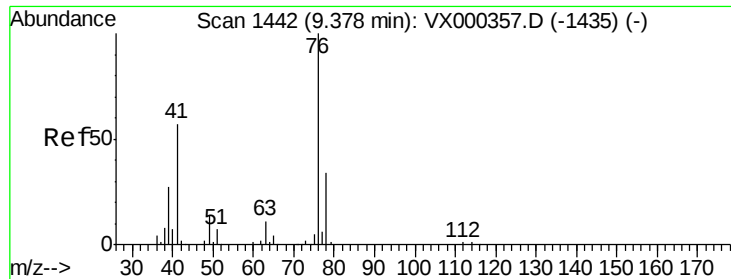


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.804 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

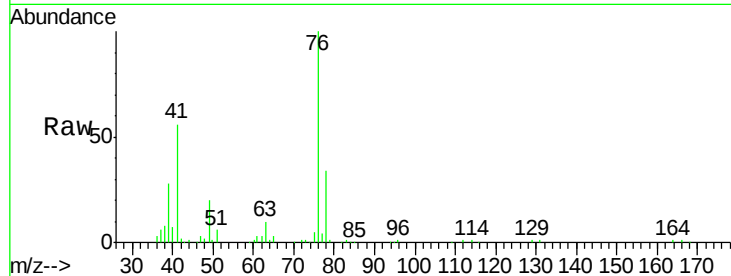
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 76 Resp: 53081

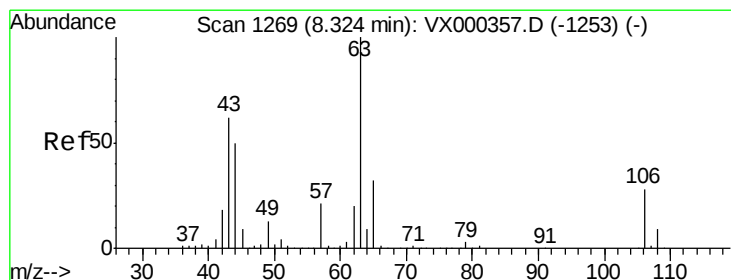
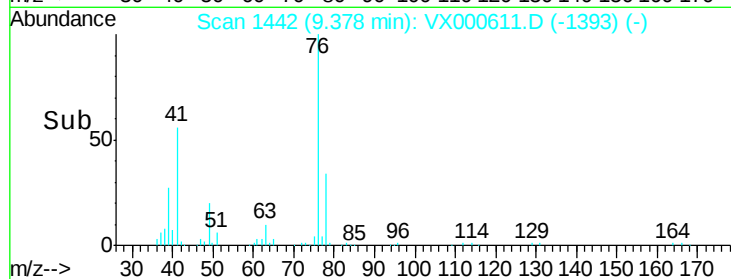
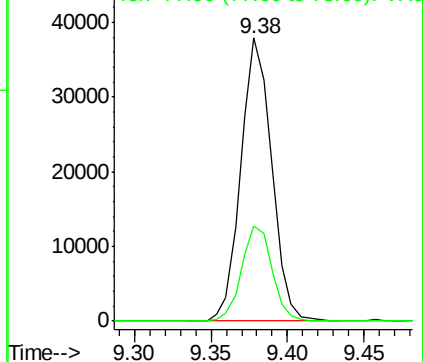
Ion Ratio Lower Upper

76 100

78 33.2 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 95.562 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX000611.D

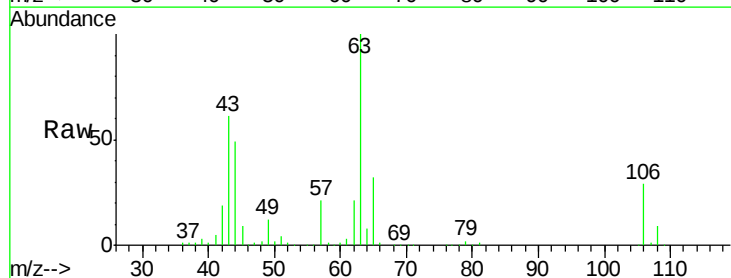
Acq: 31 Mar 2018 23:48

Tgt Ion: 63 Resp: 116466

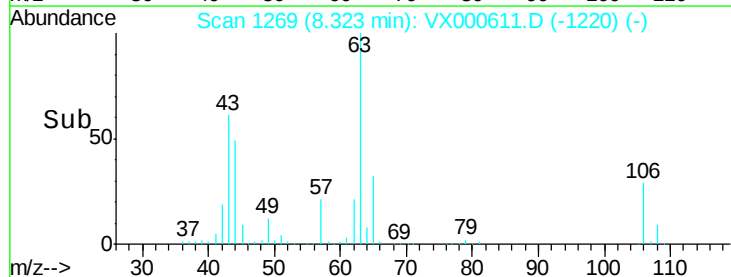
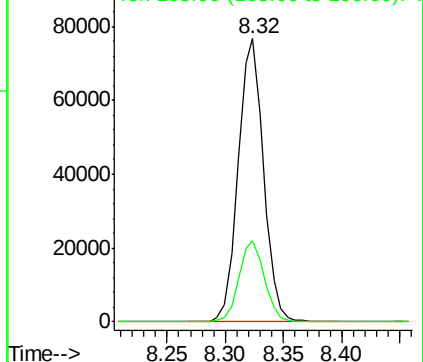
Ion Ratio Lower Upper

63 100

106 28.7 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 105.90 (105.60 to 106.60): V

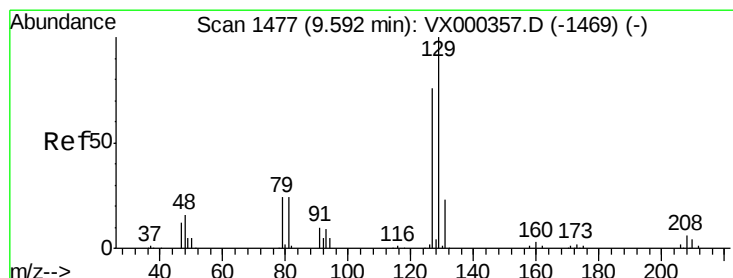
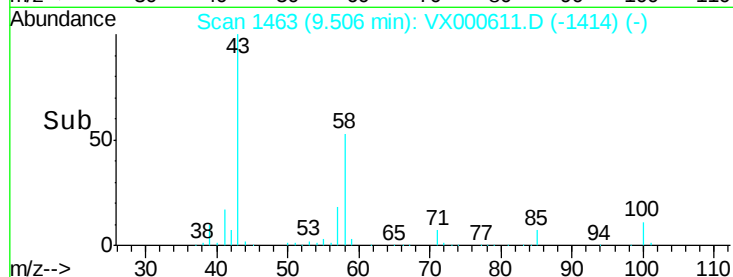
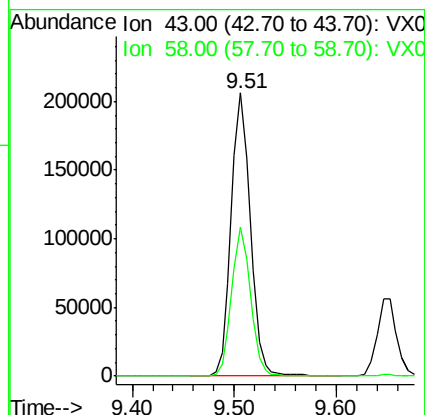
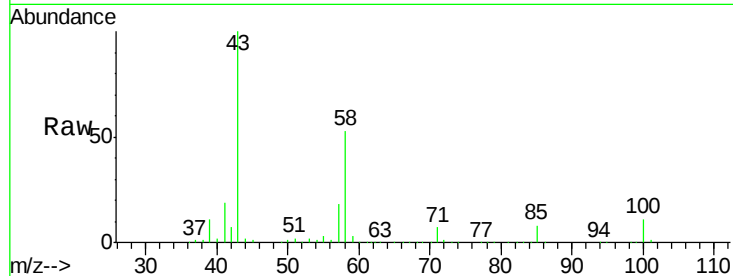




#59
2-Hexanone
Concen: 100.080 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000611.D
Acq: 31 Mar 2018 23:48

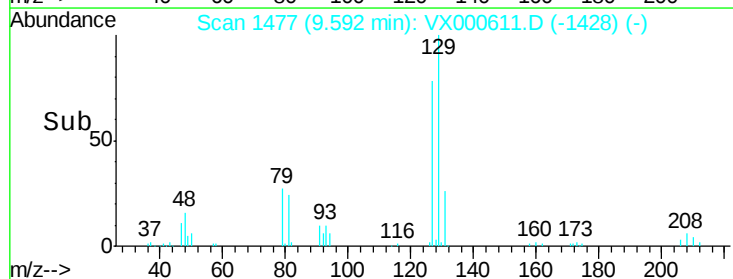
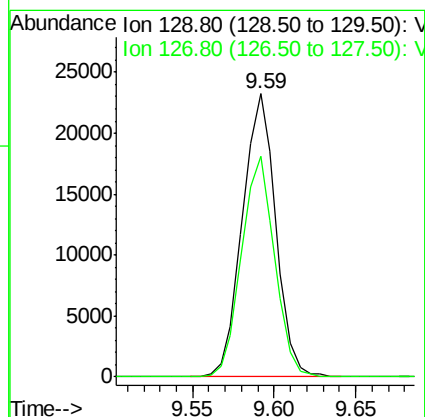
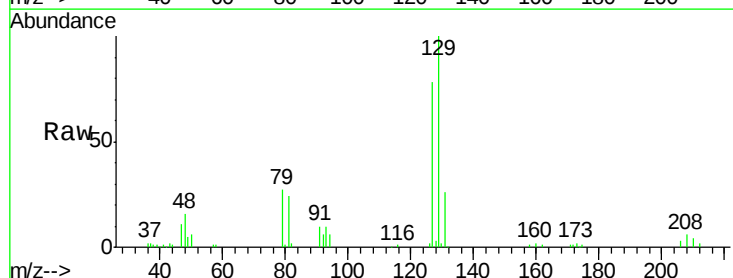
Instrument :
MSVOA_X
ClientSampled :

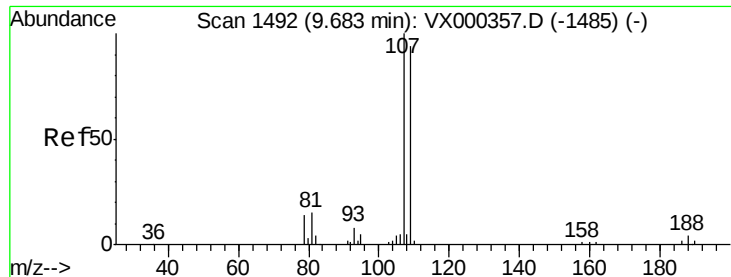
Tot Ion: 43 Resp: 268459
Ion Ratio Lower Upper
43 100
58 51.8 26.6 79.7



#60
Dibromochloromethane
Concen: 19.444 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000611.D
Acq: 31 Mar 2018 23:48

Tgt Ion:129 Resp: 33124
Ion Ratio Lower Upper
129 100
127 77.3 37.9 113.6





#61

1,2-Dibromoethane

Concen: 19.605 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Instrument :

MSVOA_X

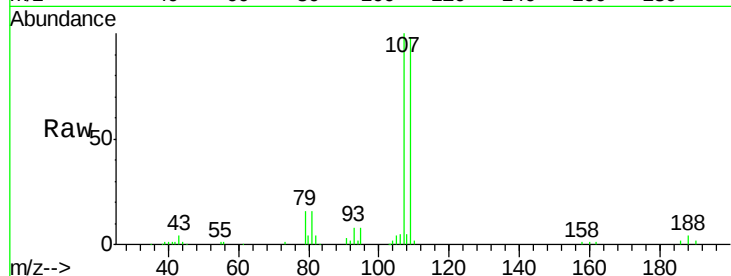
ClientSampleId :

Tot Ion:107 Resp: 35232

Ion Ratio Lower Upper

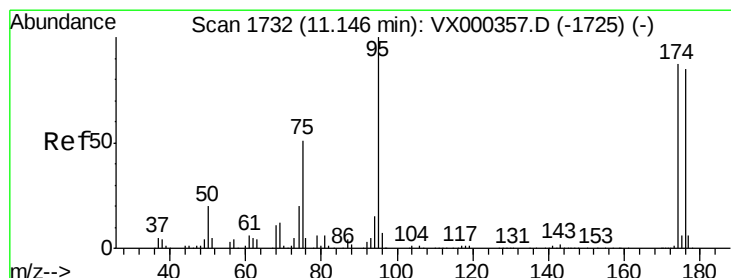
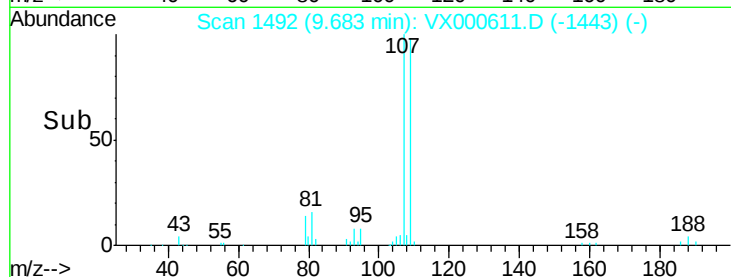
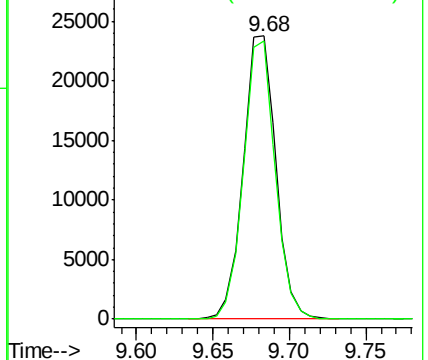
107 100

109 95.2 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.321 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

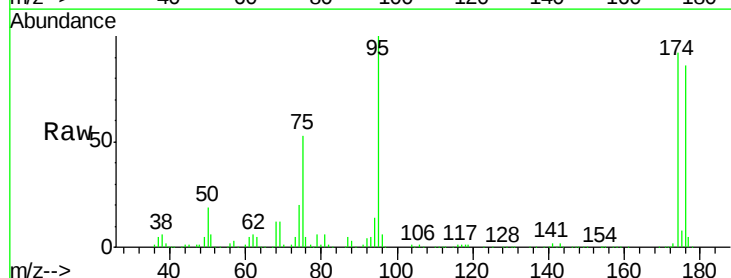
Tgt Ion: 95 Resp: 108242

Ion Ratio Lower Upper

95 100

174 88.3 0.0 173.6

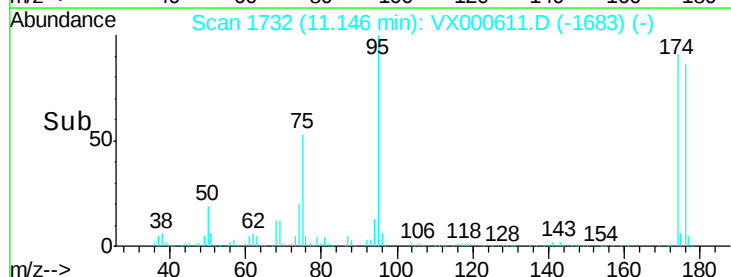
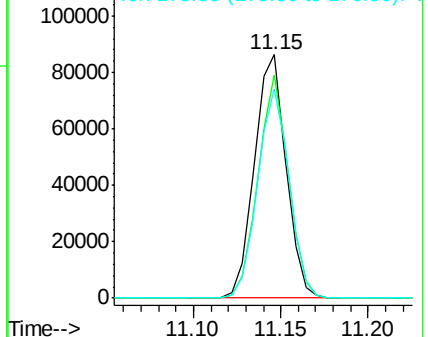
176 85.4 0.0 164.6

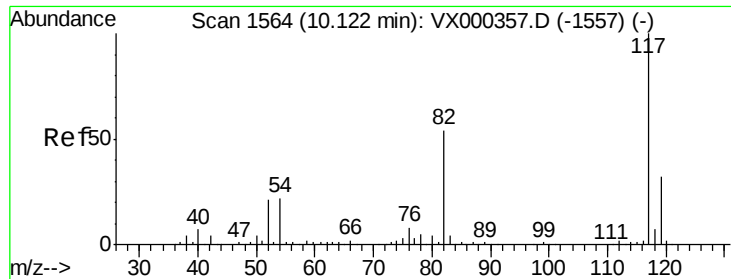


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

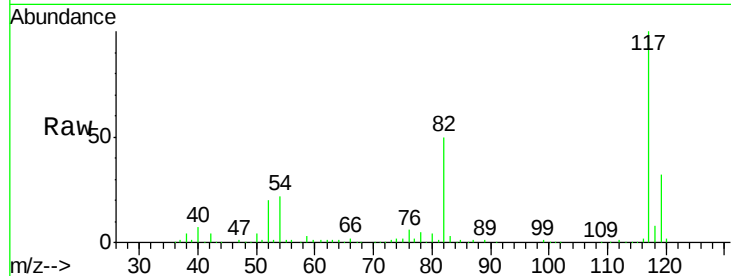




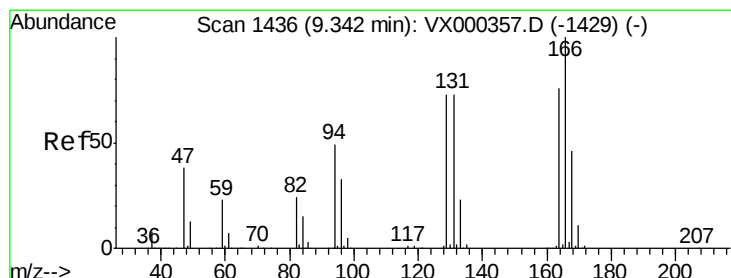
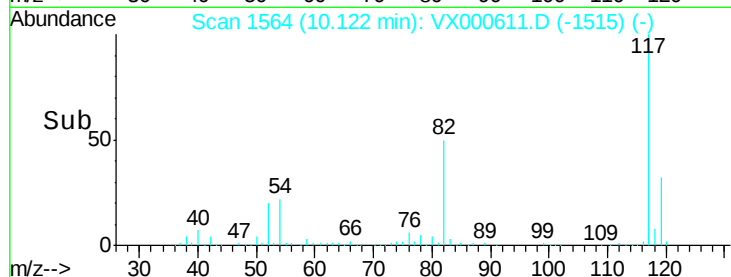
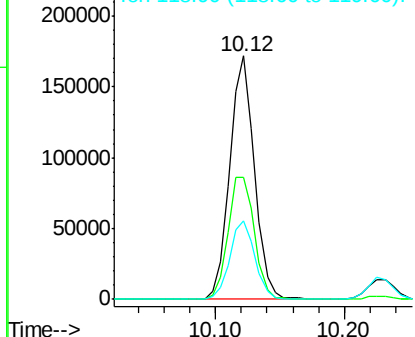
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000611.D
Acq: 31 Mar 2018 23:48

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 230947
Ion Ratio Lower Upper
117 100
82 50.4 43.8 65.8
119 32.2 24.9 37.3

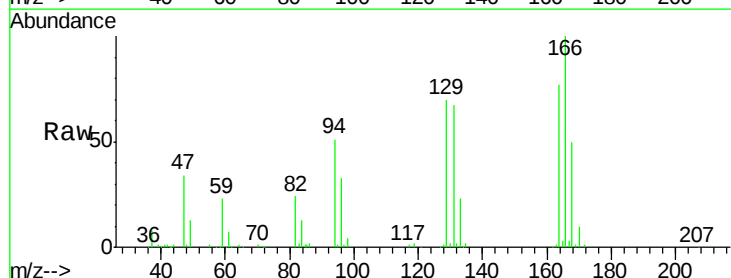


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

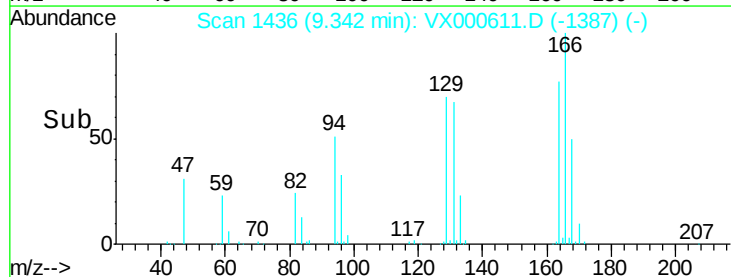
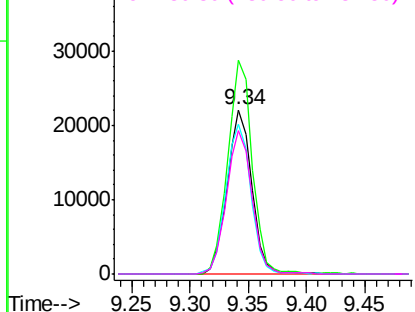


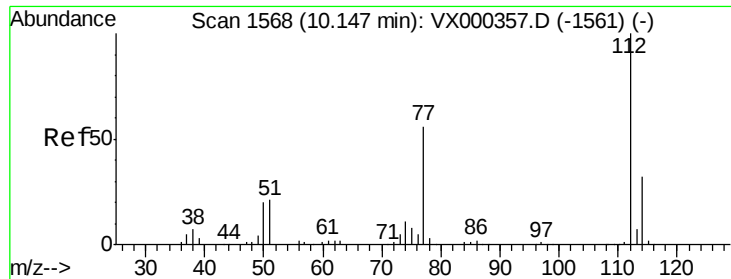
#64
Tetrachloroethene
Concen: 18.125 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000611.D
Acq: 31 Mar 2018 23:48

Tgt Ion:164 Resp: 32482
Ion Ratio Lower Upper
164 100
166 130.3 101.0 151.6
129 91.3 79.0 118.4
131 87.2 71.9 107.9



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

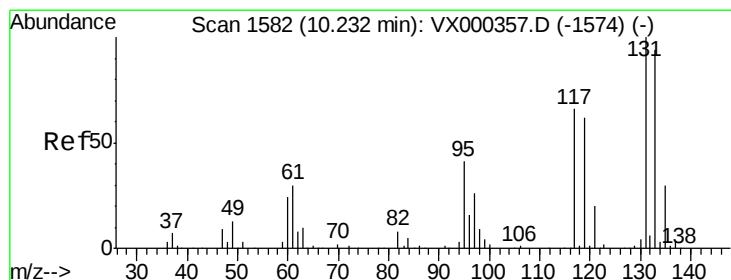
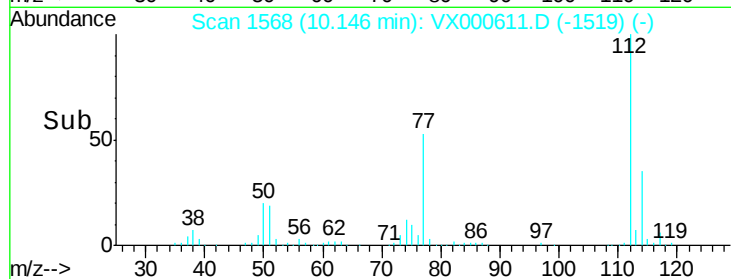
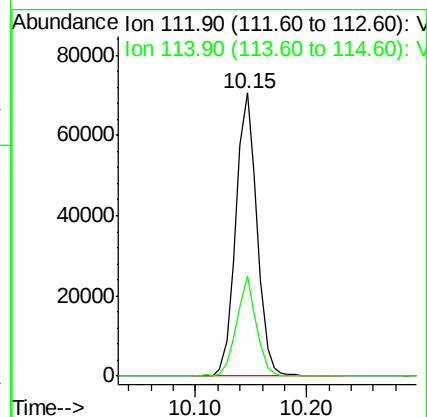
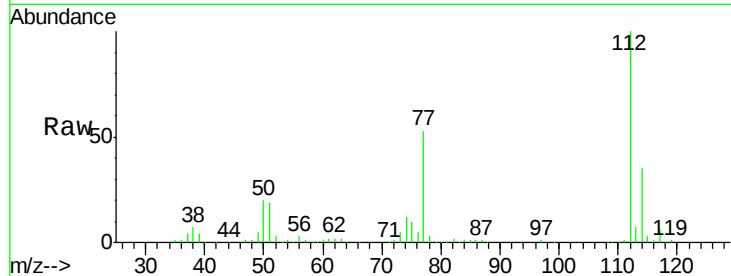




#65
Chlorobenzene
Concen: 17.996 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000611.D
Acq: 31 Mar 2018 23:48

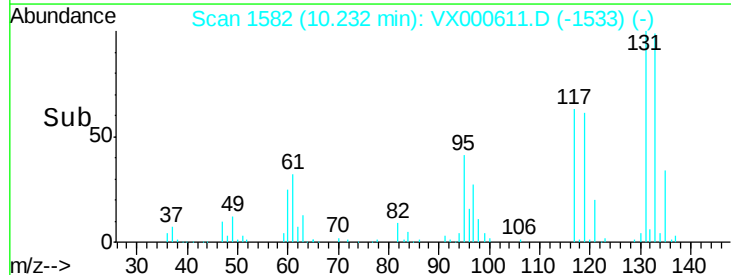
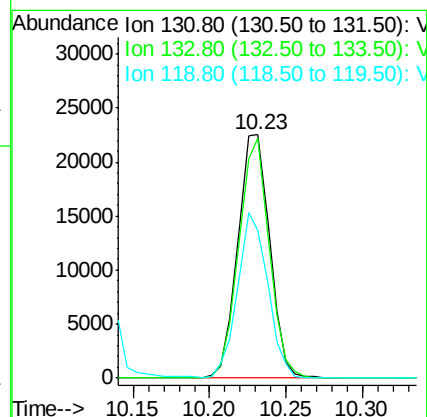
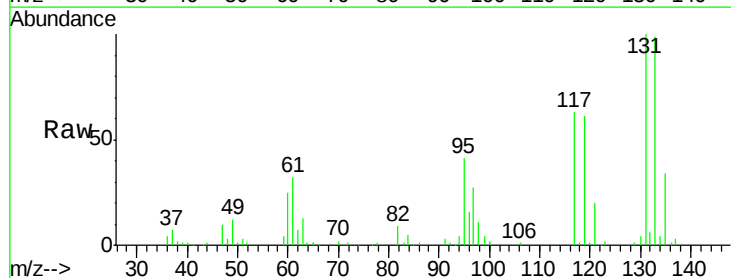
Instrument :
MSVOA_X
ClientSampled :

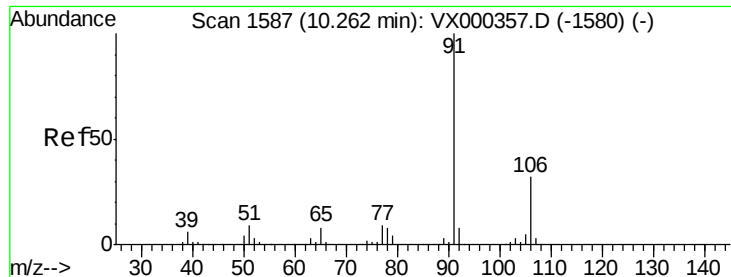
Tot Ion:112 Resp: 92492
Ion Ratio Lower Upper
112 100
114 35.4 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 18.645 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VX000611.D
Acq: 31 Mar 2018 23:48

Tgt Ion:131 Resp: 32546
Ion Ratio Lower Upper
131 100
133 93.9 47.1 141.3
119 64.7 33.1 99.2





#67

Ethyl Benzene

Concen: 18.073 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.01 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Instrument :

MSVOA_X

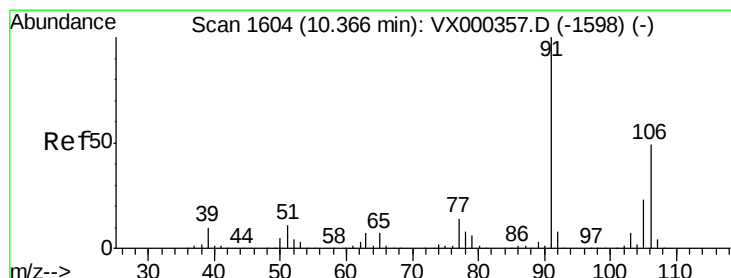
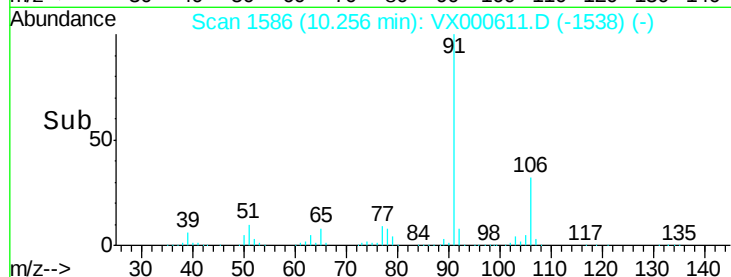
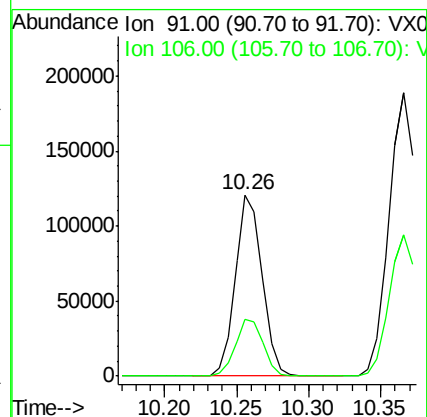
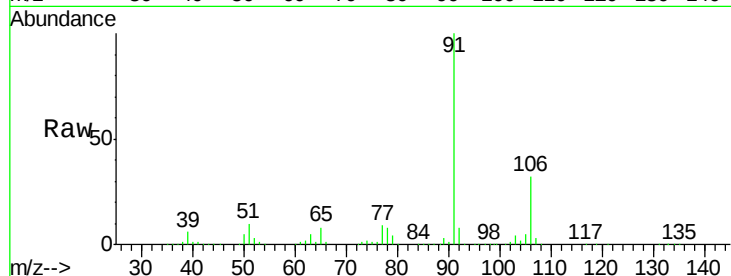
ClientSampleId :

Tot Ion: 91 Resp: 157462

Ion Ratio Lower Upper

91 100

106 31.6 25.0 37.6



#68

m/p-Xylenes

Concen: 36.806 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX000611.D

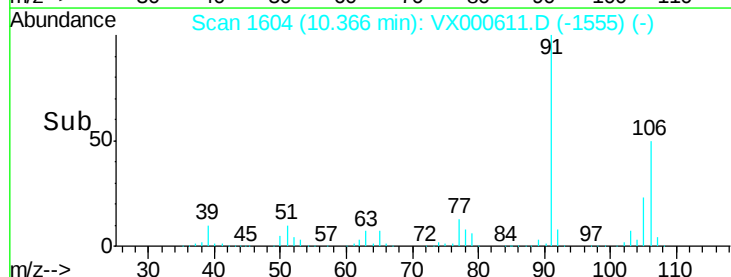
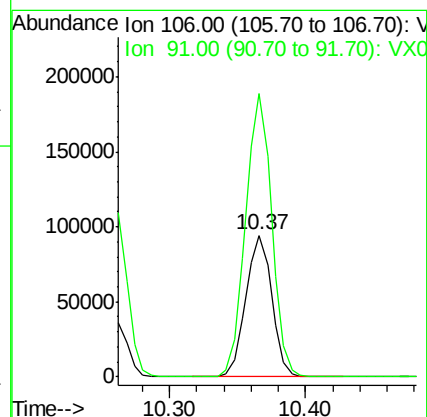
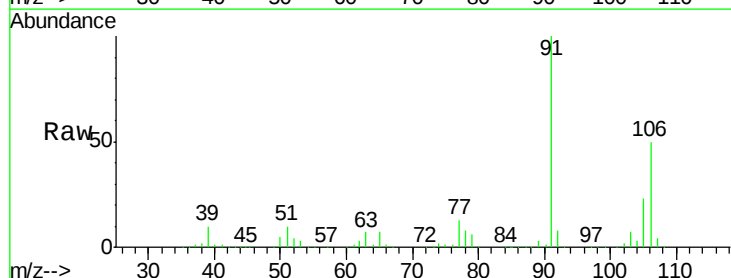
Acq: 31 Mar 2018 23:48

Tgt Ion: 106 Resp: 126186

Ion Ratio Lower Upper

106 100

91 200.5 163.4 245.2

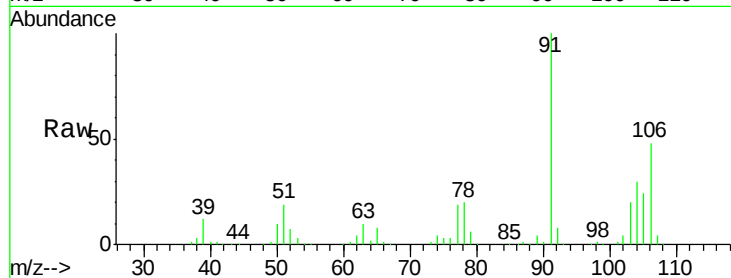




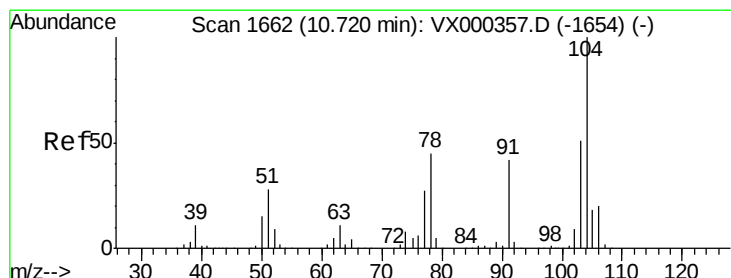
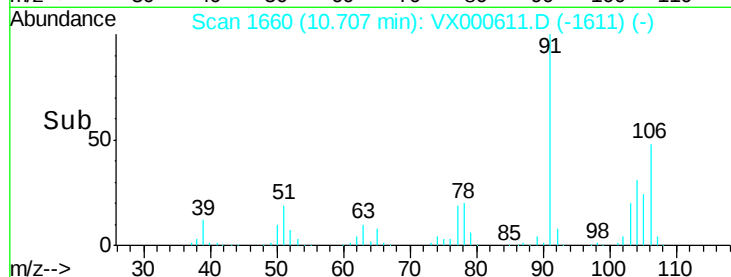
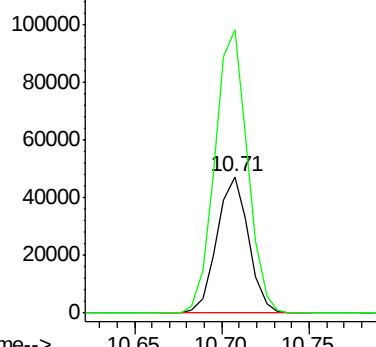
#69
o-Xylene
Concen: 17.837 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000611.D
Acq: 31 Mar 2018 23:48

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 59209
Ion Ratio Lower Upper
106 100
91 214.6 106.5 319.6

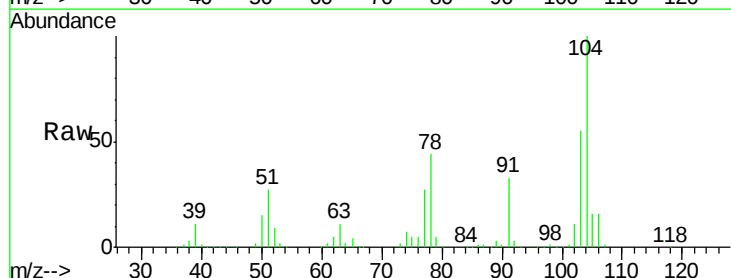


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

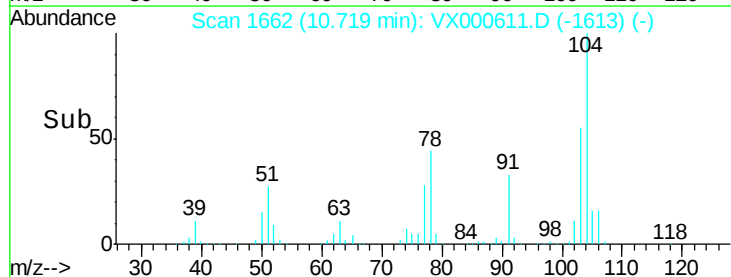
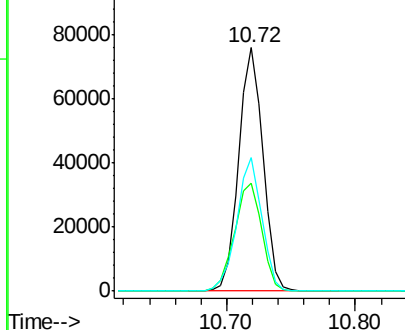


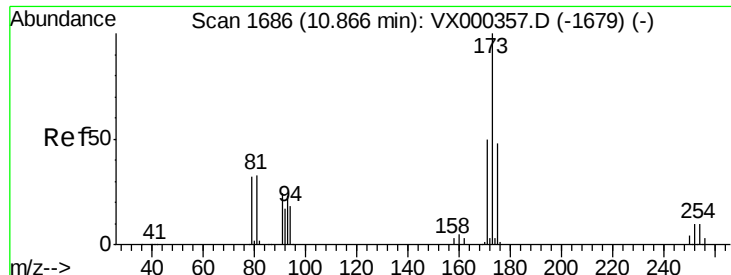
#70
Styrene
Concen: 18.112 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000611.D
Acq: 31 Mar 2018 23:48

Tgt Ion:104 Resp: 99484
Ion Ratio Lower Upper
104 100
78 50.3 40.5 60.7
103 57.1 45.7 68.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.083 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Instrument :

MSVOA_X

ClientSampled :

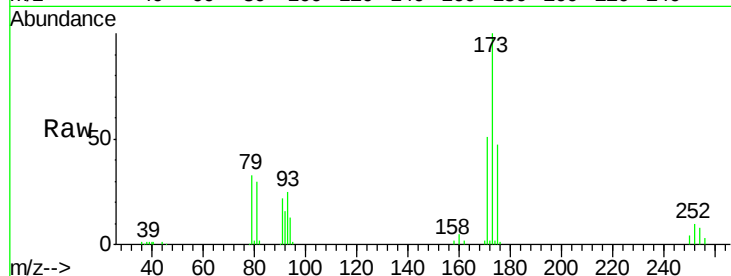
Tot Ion:173 Resp: 26768

Ion Ratio Lower Upper

173 100

175 49.5 25.4 76.4

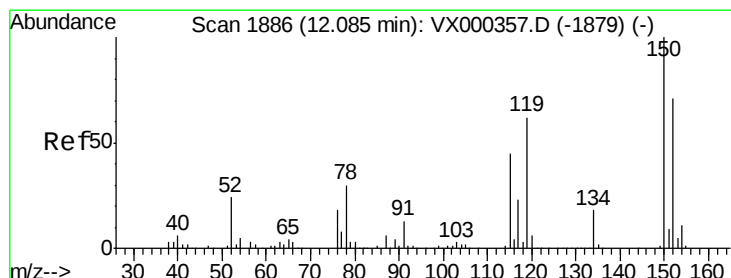
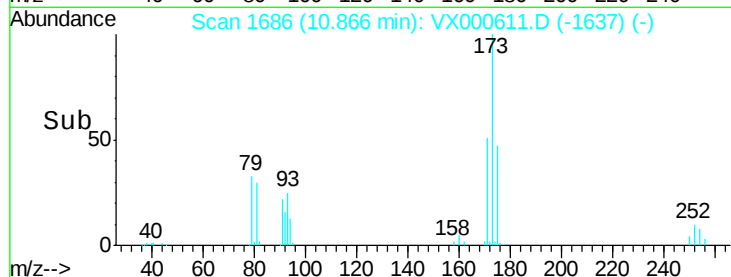
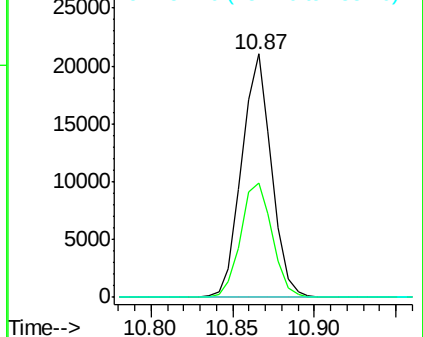
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

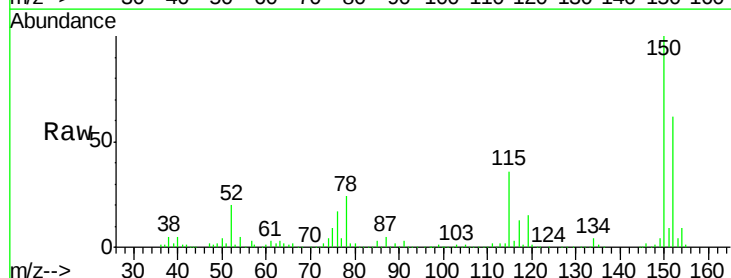
Tgt Ion:152 Resp: 141033

Ion Ratio Lower Upper

152 100

115 66.3 39.8 119.3

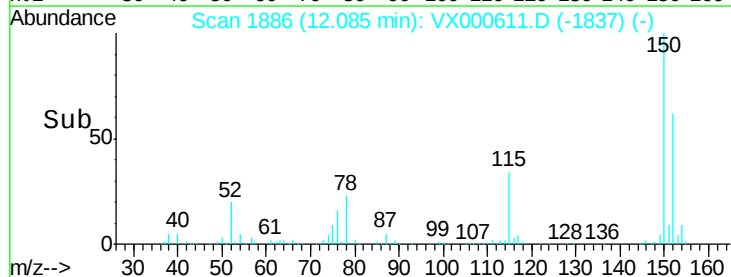
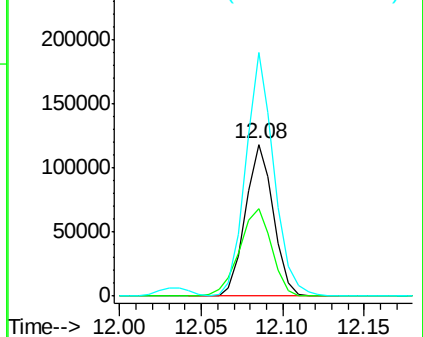
150 162.1 0.0 344.4



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: 17.663 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Instrument :

MSVOA_X

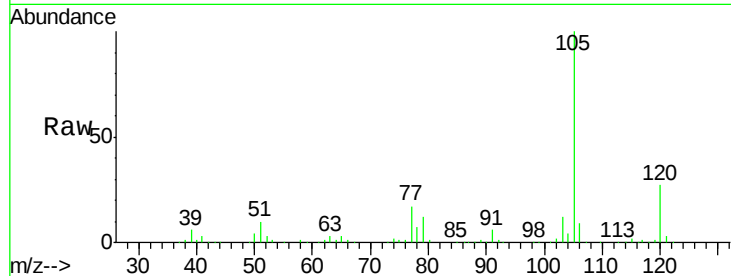
ClientSampled :

Tot Ion:105 Resp: 165050

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

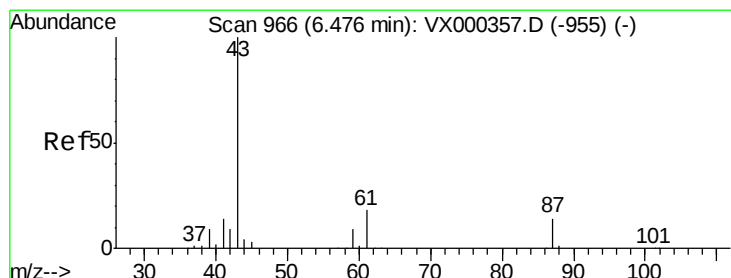
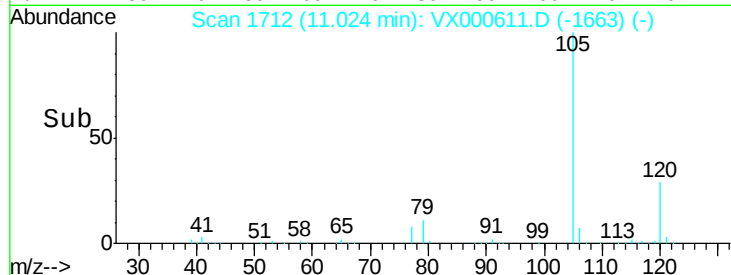
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 16.494 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Tgt Ion: 43 Resp: 76171

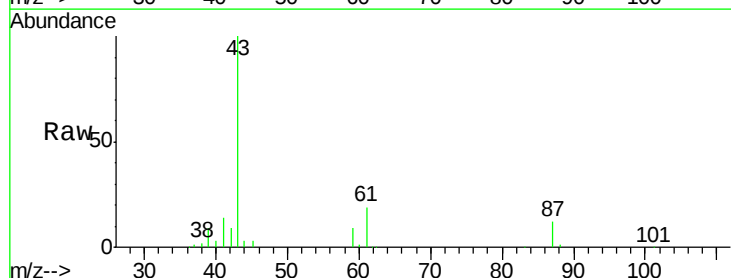
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.2 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

6.48

40000

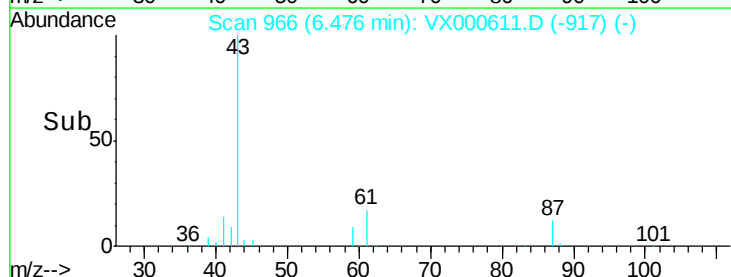
30000

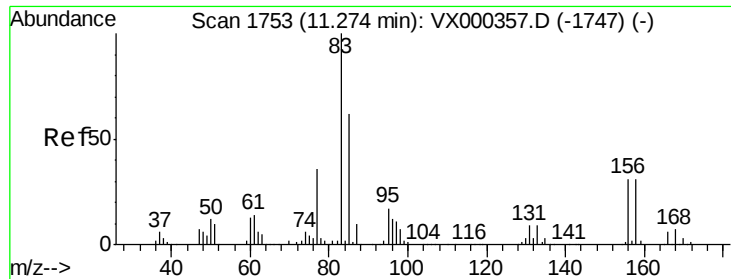
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.192 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

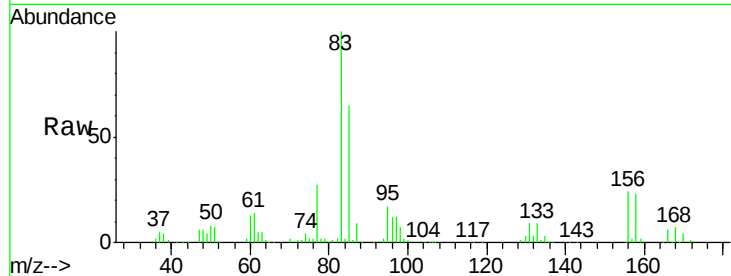
Tot Ion: 83 Resp: 60126

Ion Ratio Lower Upper

83 100

131 10.5 5.0 14.9

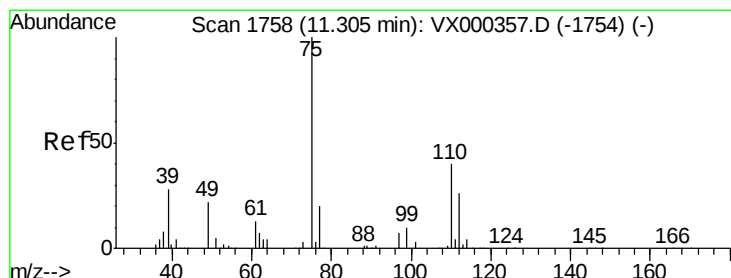
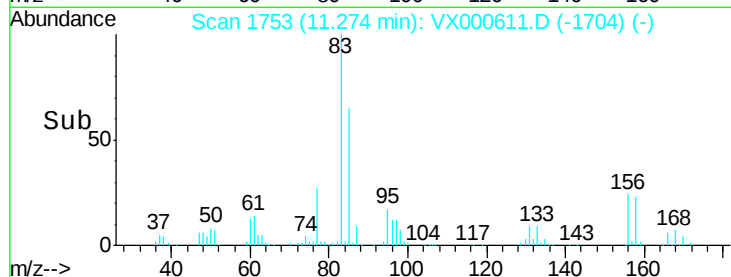
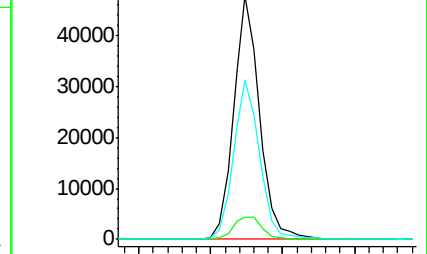
85 66.2 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.656 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX000611.D

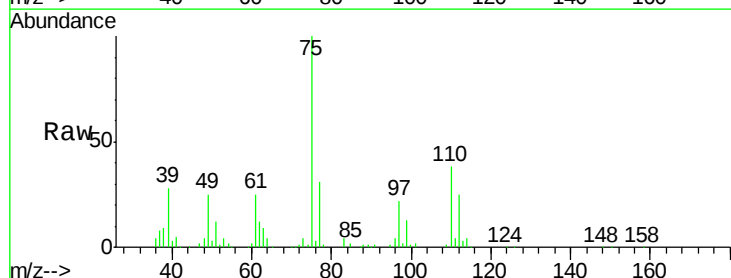
Acq: 31 Mar 2018 23:48

Tgt Ion: 75 Resp: 68671

Ion Ratio Lower Upper

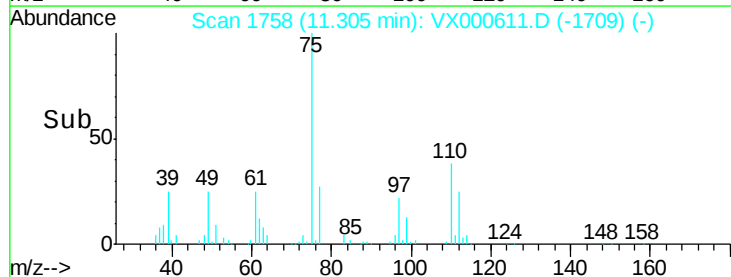
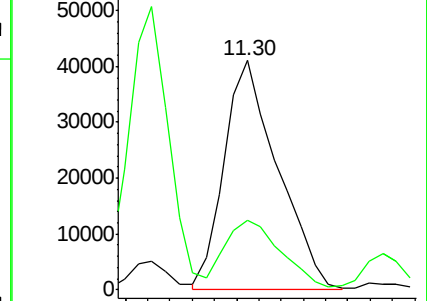
75 100

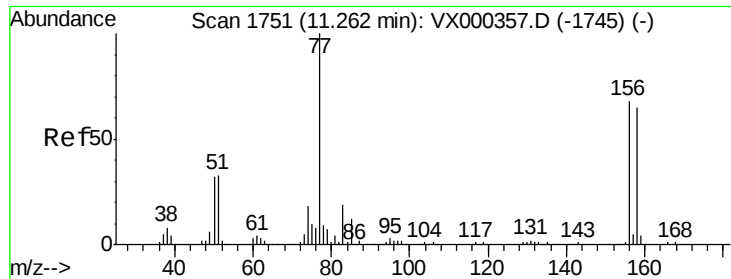
77 32.0 21.4 64.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 16.855 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

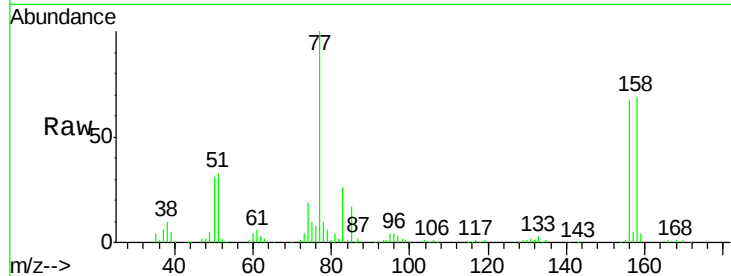
Tot Ion:156 Resp: 41957

Ion Ratio Lower Upper

156 100

77 152.9 73.4 220.2

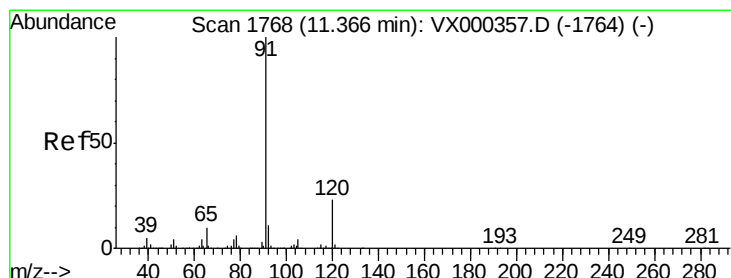
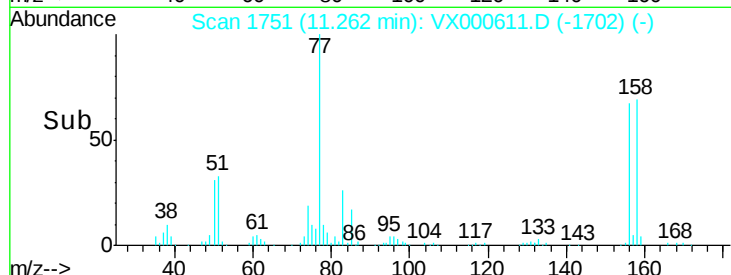
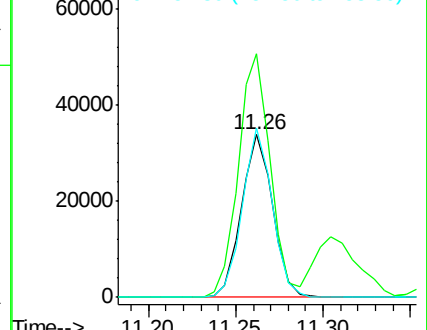
158 99.4 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.125 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000611.D

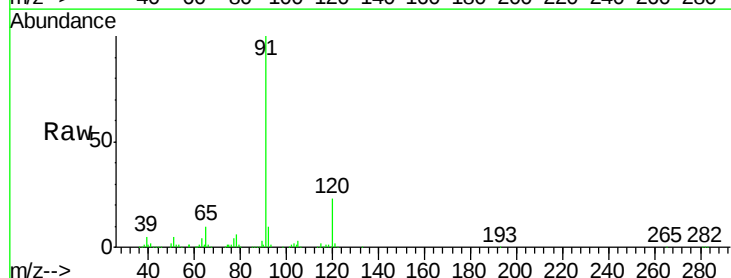
Acq: 31 Mar 2018 23:48

Tgt Ion: 91 Resp: 201952

Ion Ratio Lower Upper

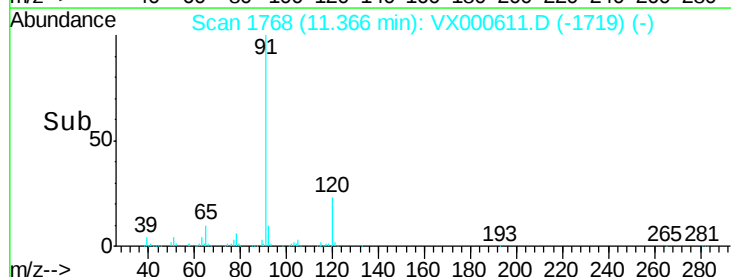
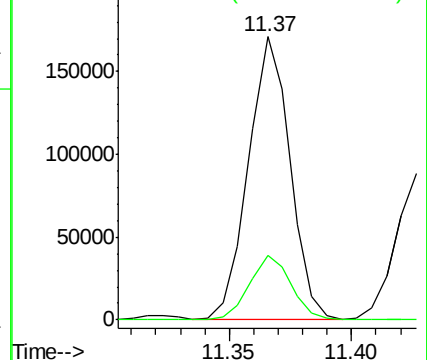
91 100

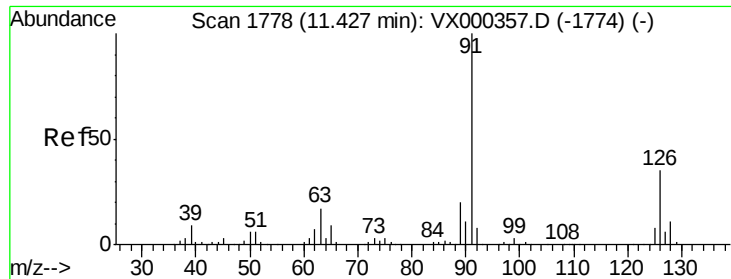
120 22.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

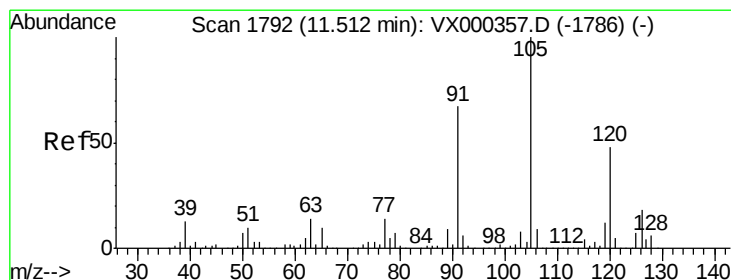
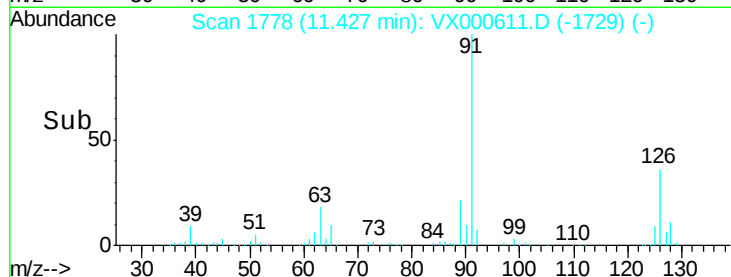
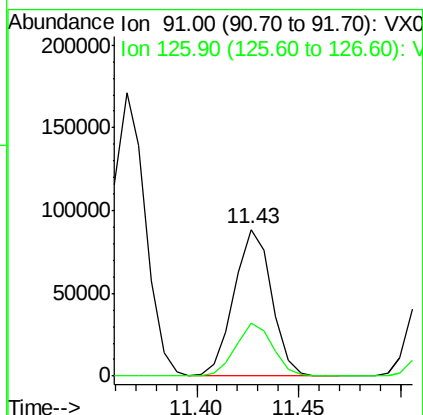
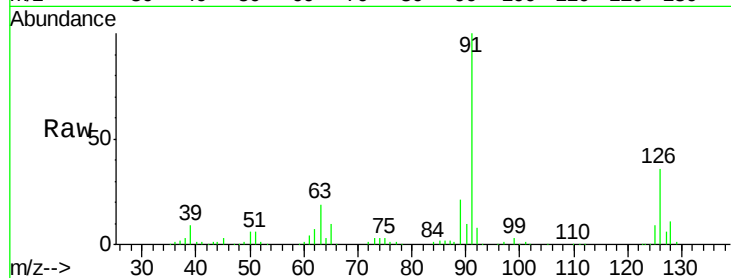




#79
 2-Chlorotoluene
 Concen: 17.422 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX000611.D
 Acq: 31 Mar 2018 23:48

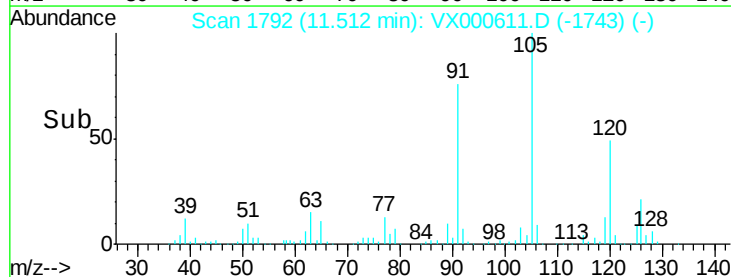
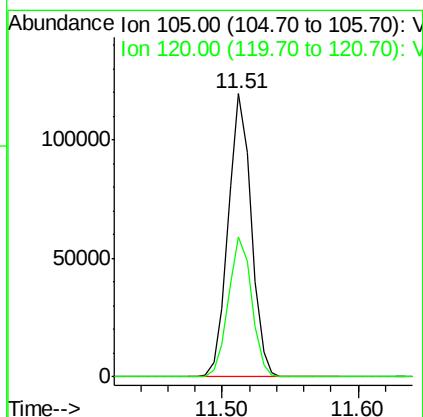
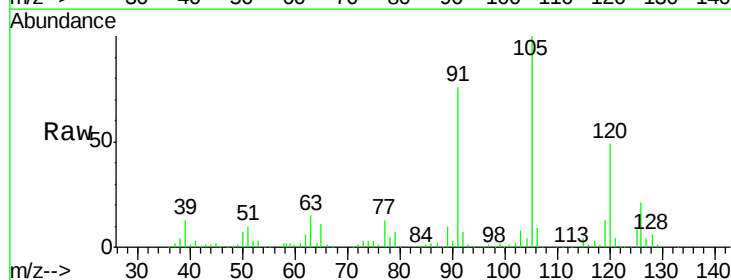
Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 91 Resp: 112140
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 17.853 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX000611.D
 Acq: 31 Mar 2018 23:48

Tgt Ion: 105 Resp: 140274
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 14.964 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.01 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Instrument :

MSVOA_X

ClientSampled :

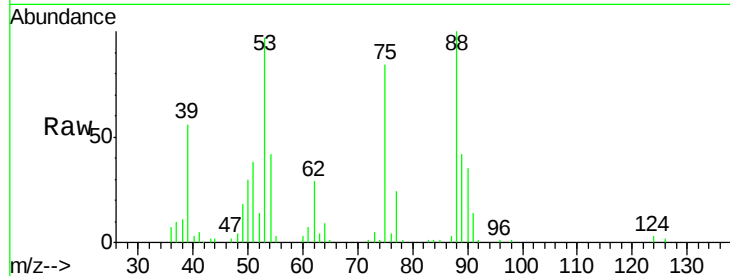
Tot Ion: 75 Resp: 14009

Ion Ratio Lower Upper

75 100

53 120.4 80.7 121.1

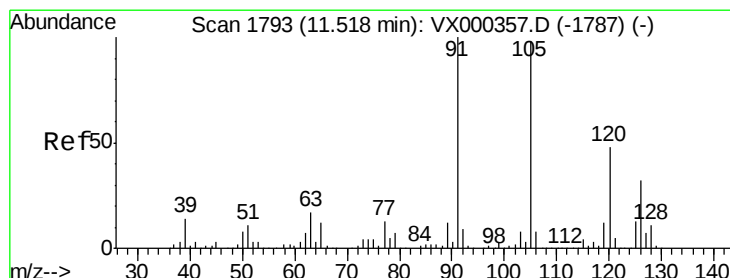
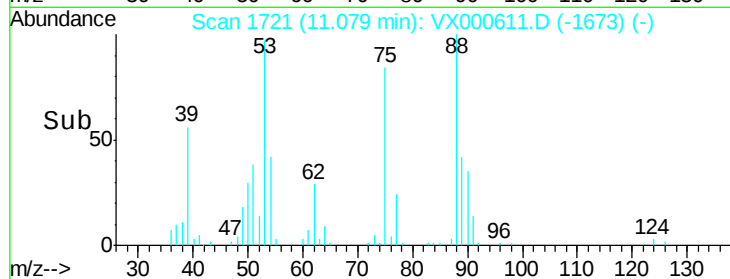
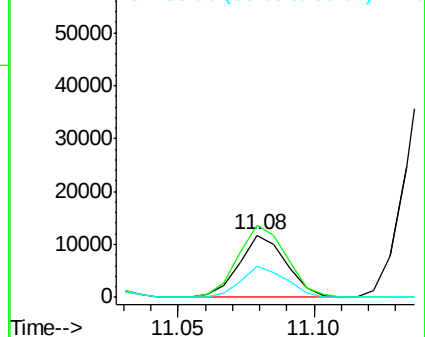
89 48.8 39.4 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 17.986 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX000611.D

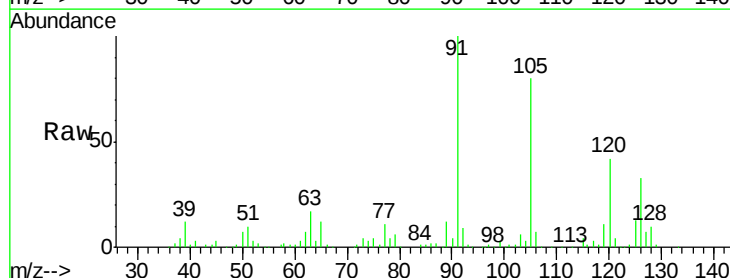
Acq: 31 Mar 2018 23:48

Tgt Ion: 91 Resp: 138229

Ion Ratio Lower Upper

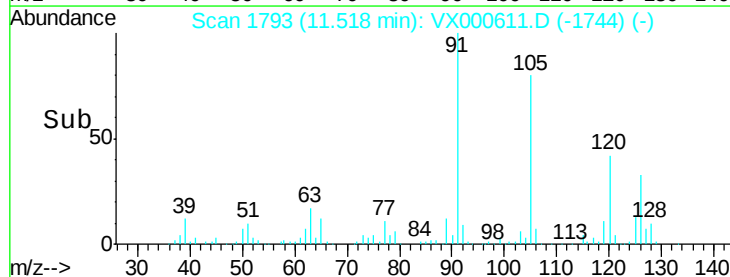
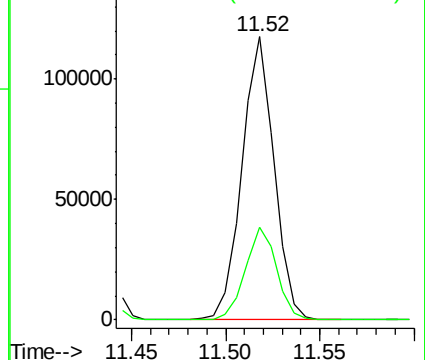
91 100

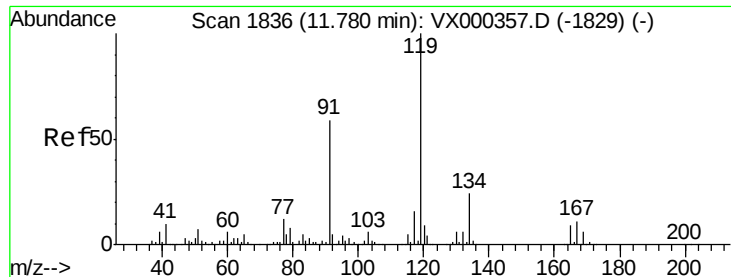
126 32.0 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

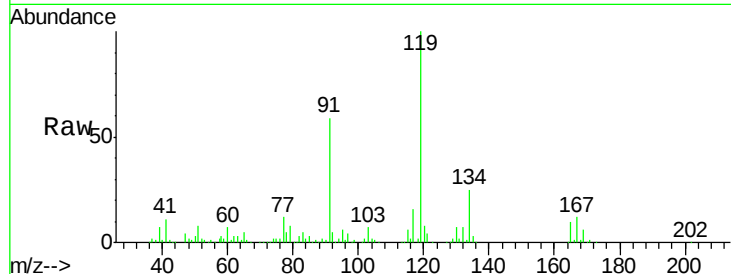




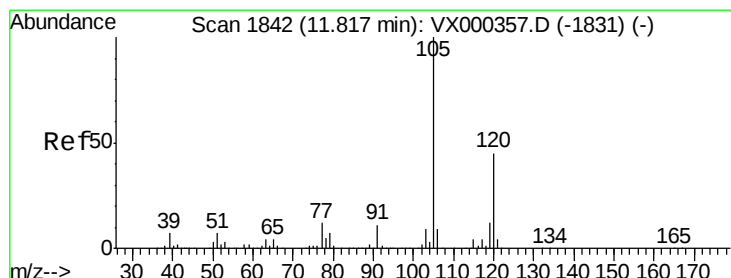
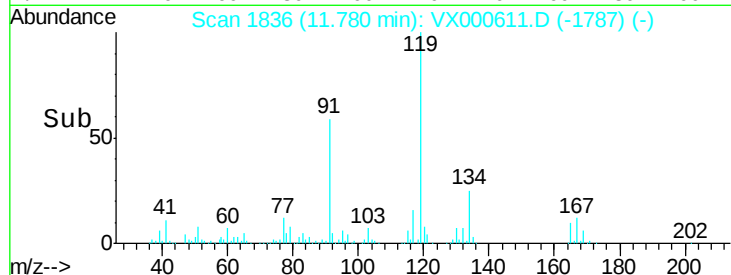
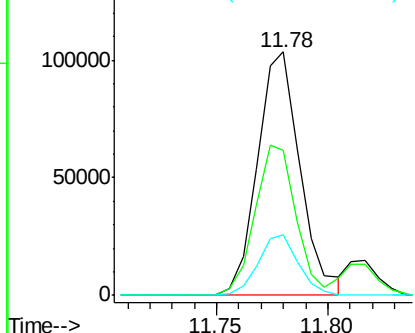
#83
 tert-Butylbenzene
 Concen: 17.433 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000611.D
 Acq: 31 Mar 2018 23:48

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.2	28.8	86.4
134	23.3	11.4	34.1

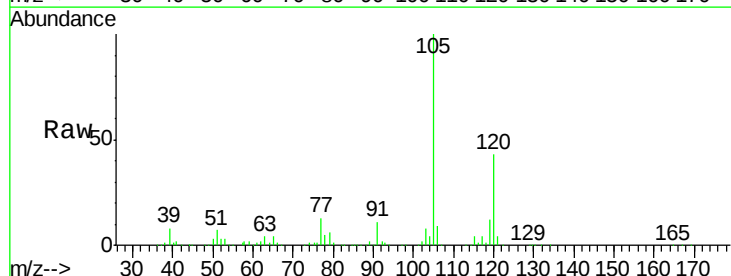


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

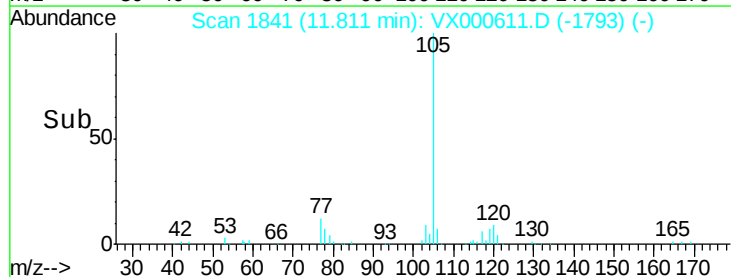
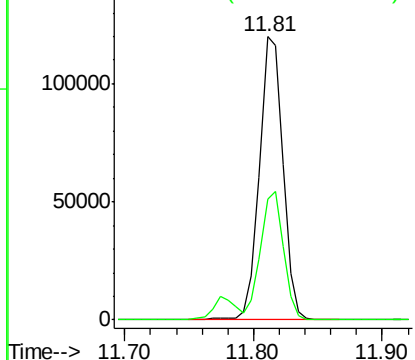


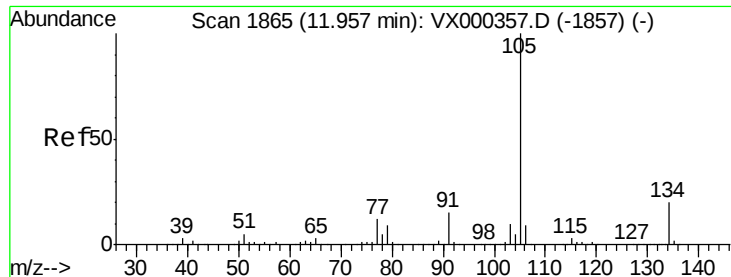
#84
 1,2,4-Trimethylbenzene
 Concen: 18.290 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: VX000611.D
 Acq: 31 Mar 2018 23:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.4	67.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 17.914 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.01 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Instrument :

MSVOA_X

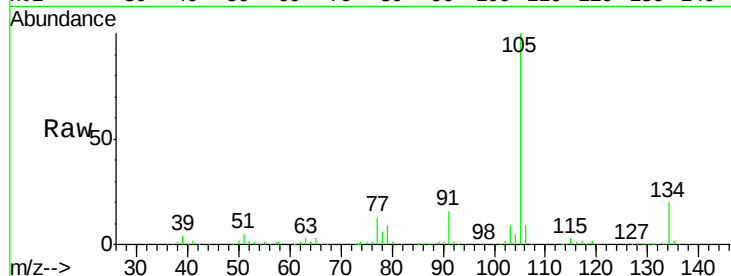
ClientSampleId :

Tot Ion:105 Resp: 175645

Ion Ratio Lower Upper

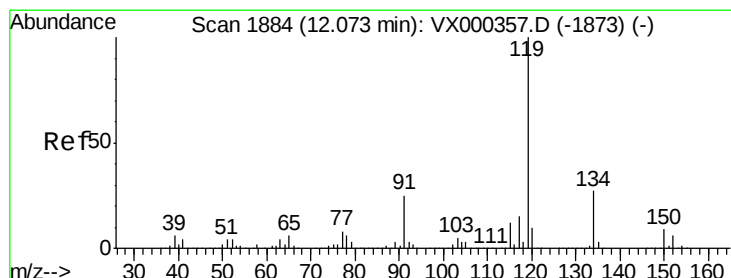
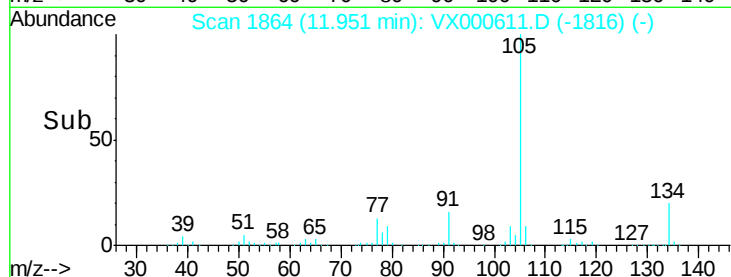
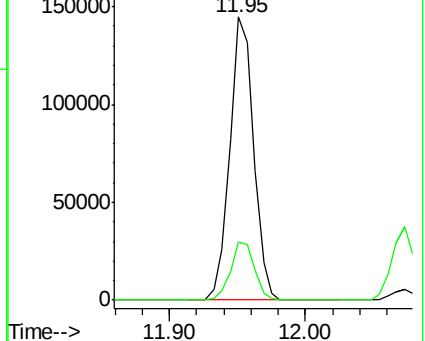
105 100

134 20.7 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.145 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

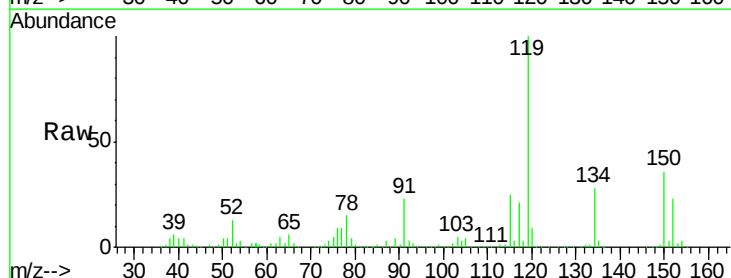
Tgt Ion:119 Resp: 158004

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.9

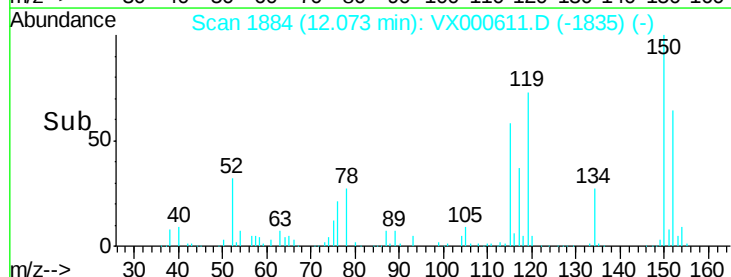
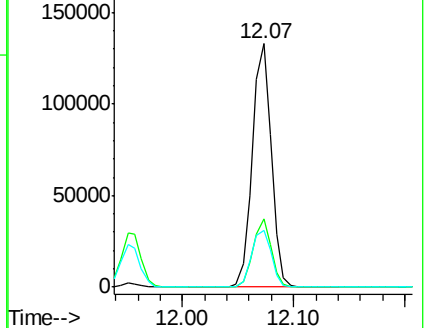
91 24.6 12.0 36.1



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

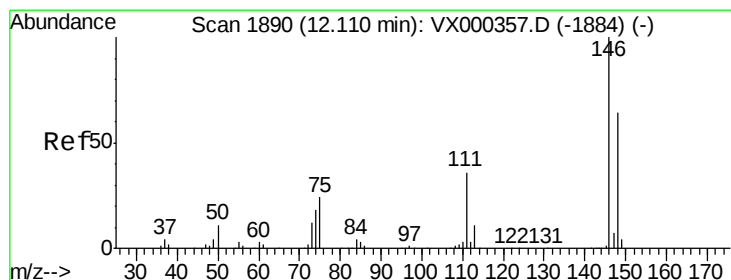
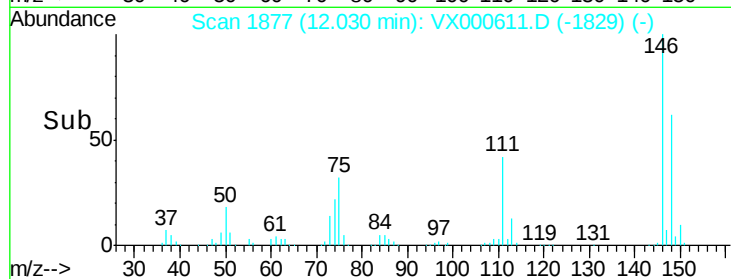
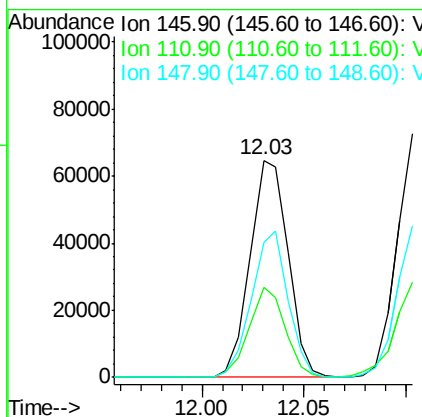
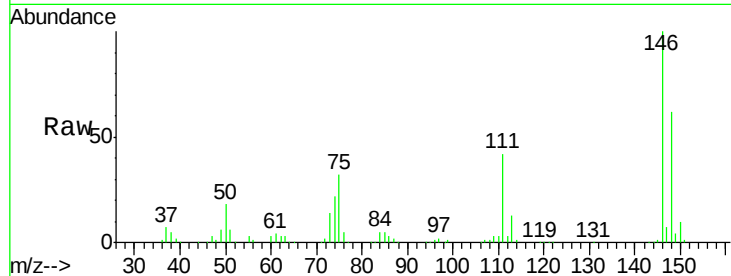




#87
 1,3-Dichlorobenzene
 Concen: 17.843 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: VX000611.D
 Acq: 31 Mar 2018 23:48

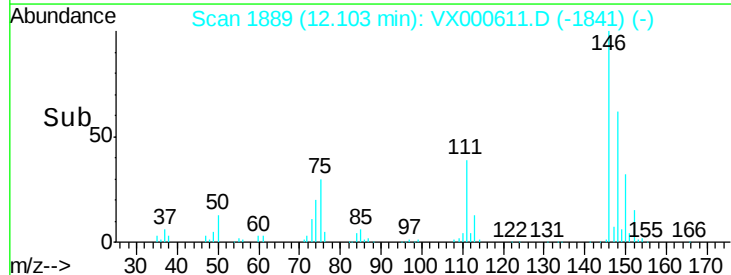
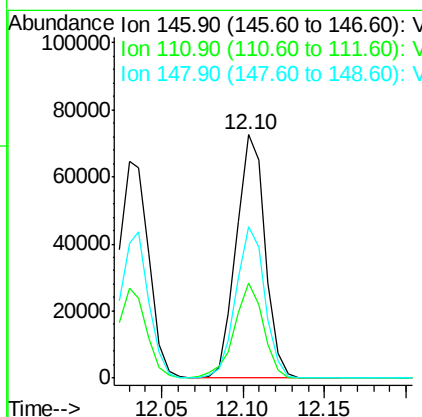
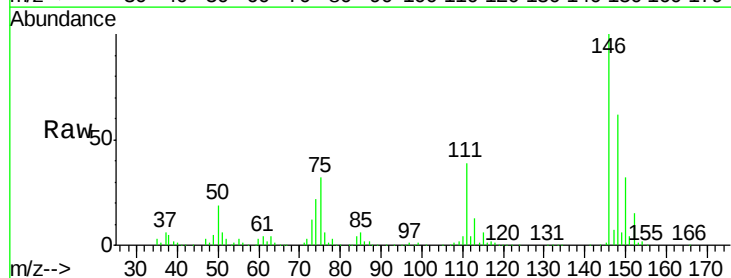
Instrument :
 MSVOA_X
 ClientSampled :

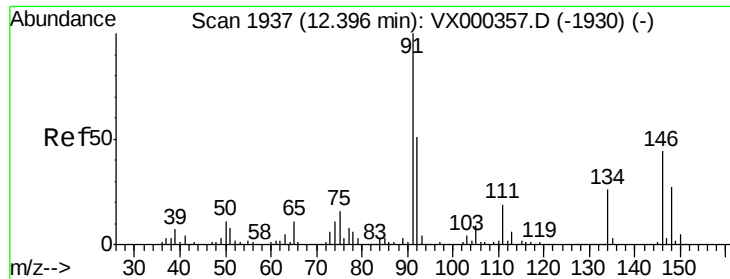
Tot Ion:146 Resp: 83981
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.5 58.5
 148 64.7 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 18.125 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VX000611.D
 Acq: 31 Mar 2018 23:48

Tgt Ion:146 Resp: 89566
 Ion Ratio Lower Upper
 146 100
 111 39.3 18.9 56.9
 148 62.1 31.0 93.0





#89

n-Butylbenzene

Concen: 18.323 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

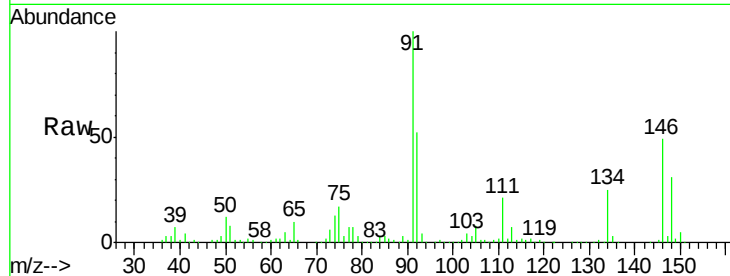
Tot Ion: 91 Resp: 148559

Ion Ratio Lower Upper

91 100

92 50.8 25.9 77.8

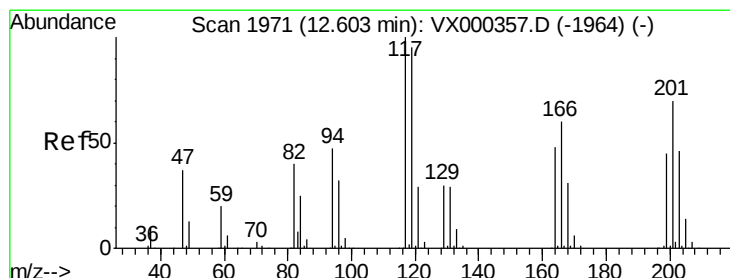
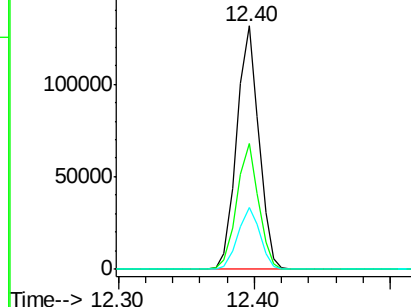
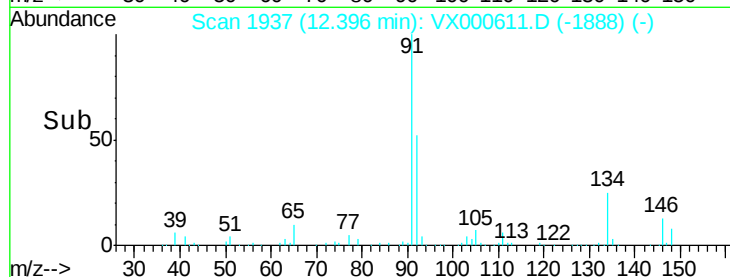
134 25.4 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VX000611.D (-1888) (-)

Ion 92.00 (91.70 to 92.70): VX000611.D (-1888) (-)

Ion 134.00 (133.70 to 134.70): VX000611.D (-1888) (-)



#90

Hexachloroethane

Concen: 17.051 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX000611.D

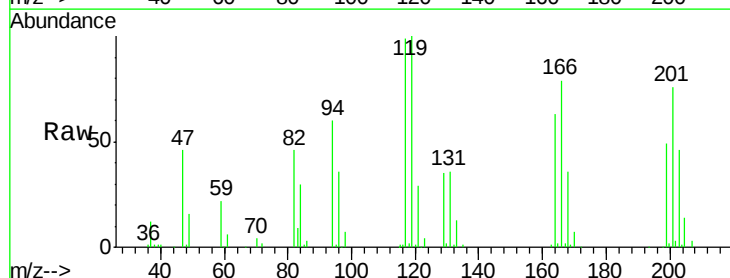
Acq: 31 Mar 2018 23:48

Tgt Ion: 117 Resp: 23371

Ion Ratio Lower Upper

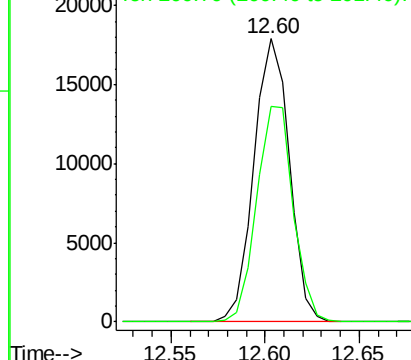
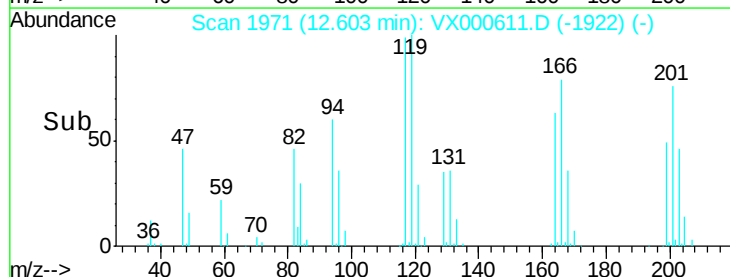
117 100

201 78.5 37.9 113.6



Abundance Ion 116.80 (116.50 to 117.50): VX000611.D (-1922) (-)

Ion 200.70 (200.40 to 201.40): VX000611.D (-1922) (-)

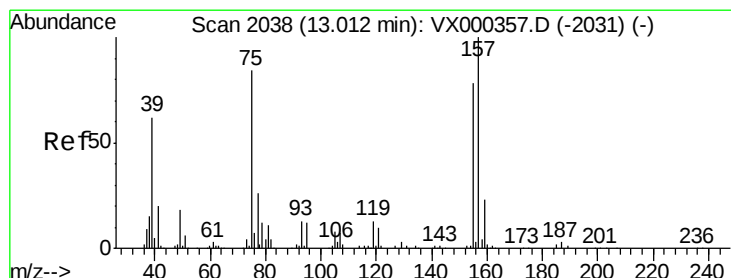
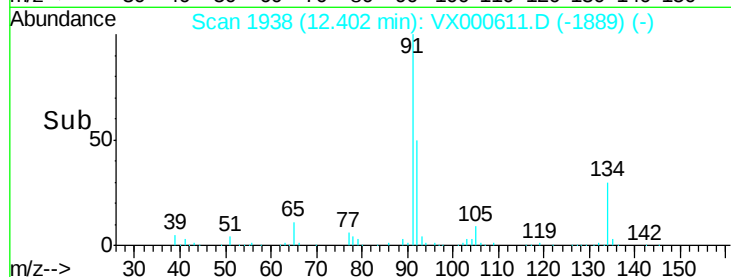
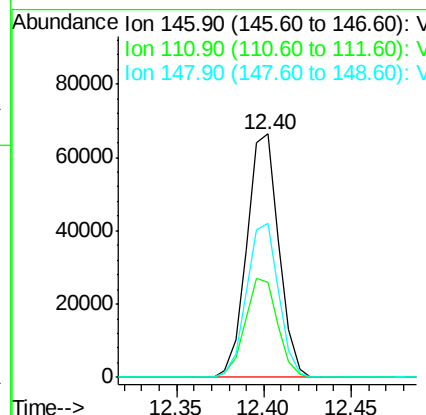
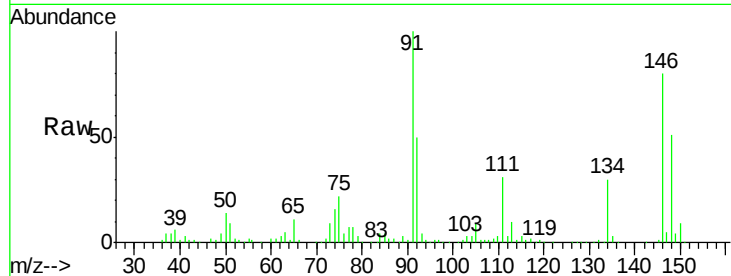




#91
 1,2-Dichlorobenzene
 Concen: 18.254 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VX000611.D
 Acq: 31 Mar 2018 23:48

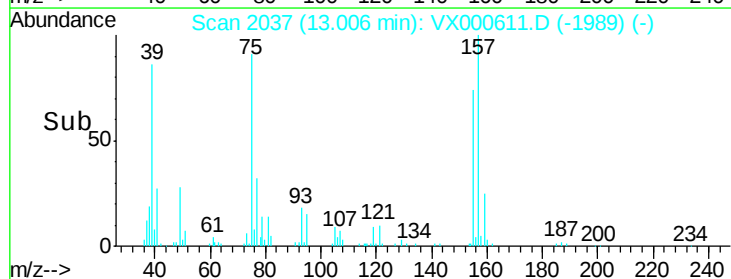
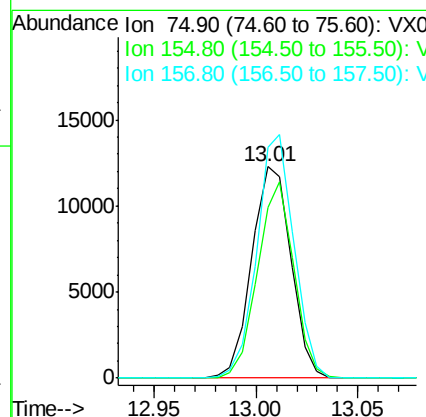
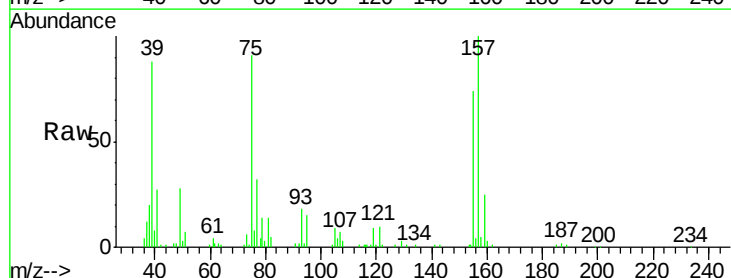
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:146 Resp: 84233
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.1 60.2
 148 63.4 31.2 93.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.822 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: VX000611.D
 Acq: 31 Mar 2018 23:48

Tgt Ion: 75 Resp: 16428
 Ion Ratio Lower Upper
 75 100
 155 85.6 45.0 134.8
 157 109.2 58.1 174.2

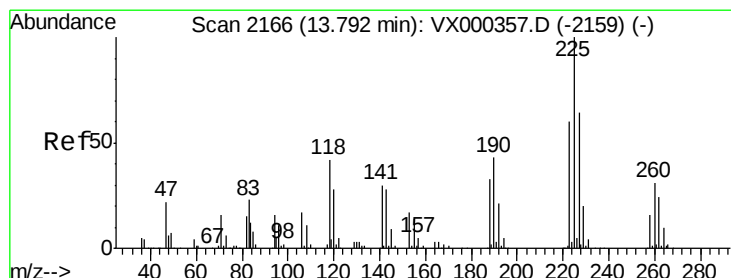
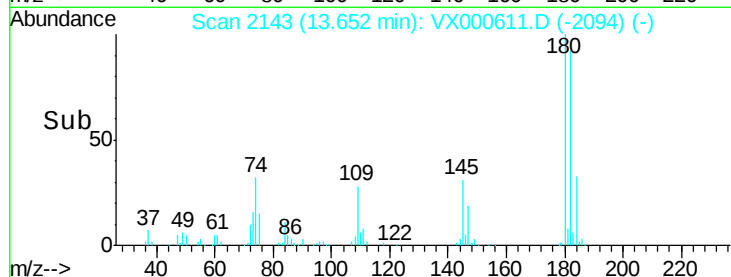
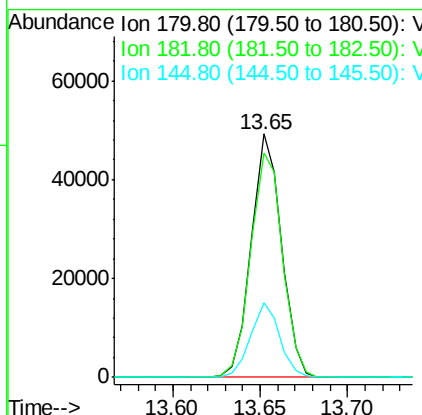
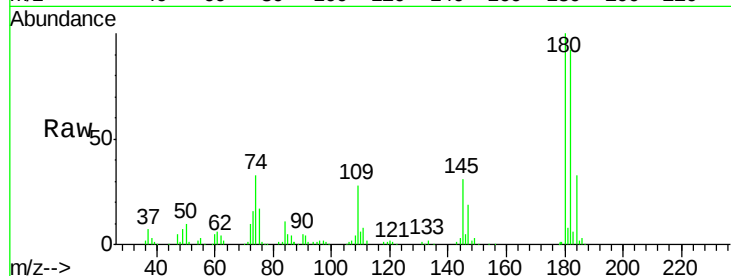




#93
 1,2,4-Trichlorobenzene
 Concen: 17.856 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000611.D
 Acq: 31 Mar 2018 23:48

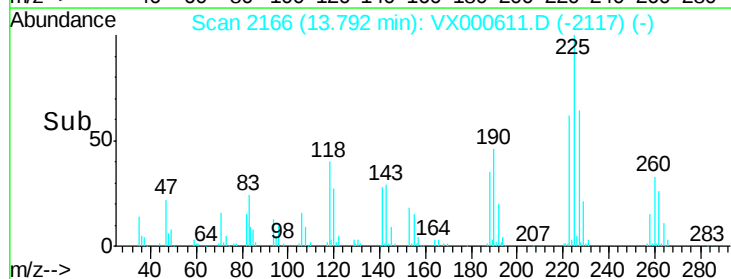
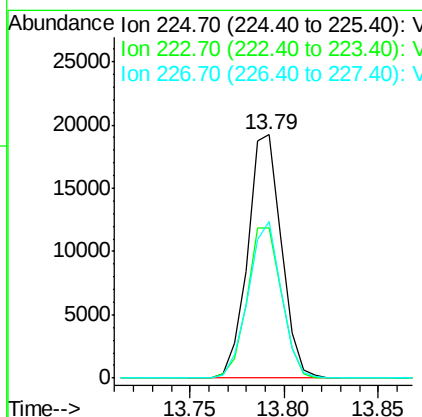
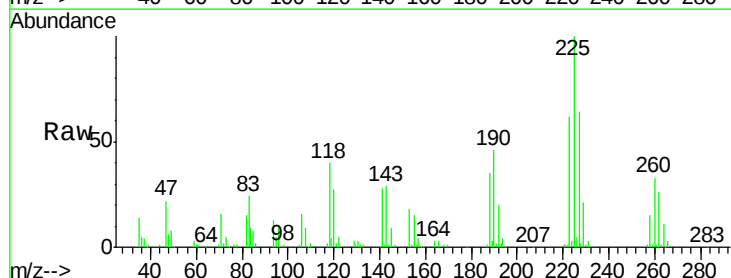
Instrument :
 MSVOA_X
 ClientSampleId :

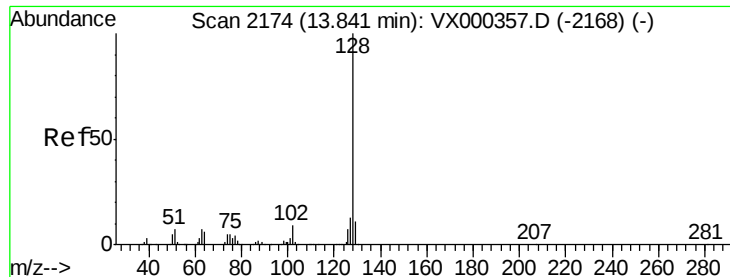
Tot Ion:180 Resp: 59070
 Ion Ratio Lower Upper
 180 100
 182 97.0 47.6 142.9
 145 29.7 15.1 45.3



#94
 Hexachlorobutadiene
 Concen: 17.365 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000611.D
 Acq: 31 Mar 2018 23:48

Tgt Ion:225 Resp: 23786
 Ion Ratio Lower Upper
 225 100
 223 63.4 32.0 96.0
 227 63.5 32.6 98.0





#95

Naphthalene

Concen: 18.280 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

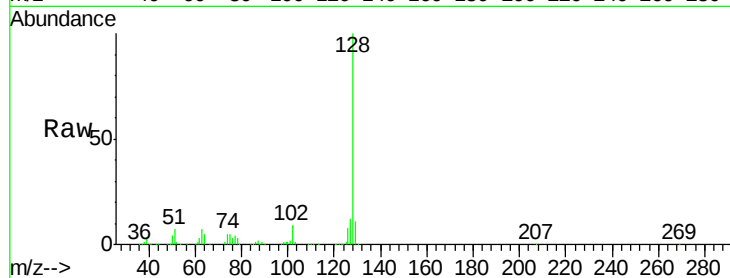
Tot Ion:128 Resp: 210648

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

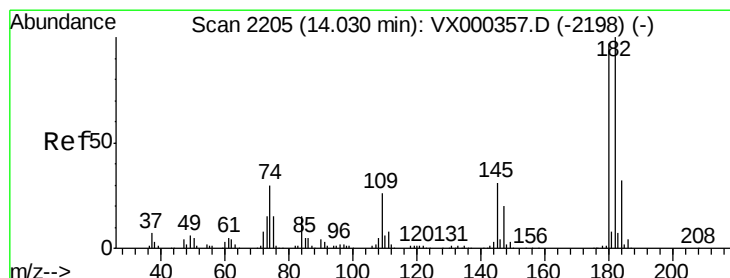
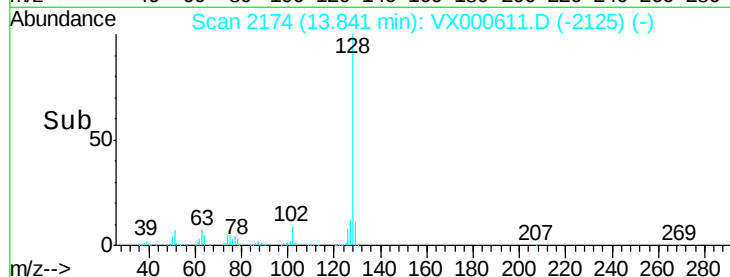
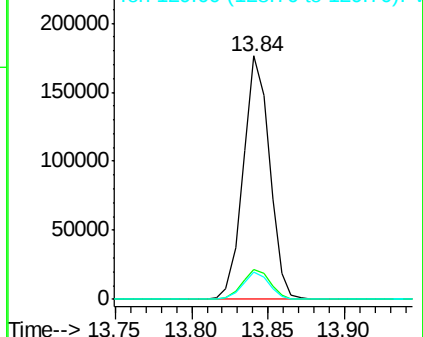
129 11.2 8.9 13.3



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: 18.881 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VX000611.D

Acq: 31 Mar 2018 23:48

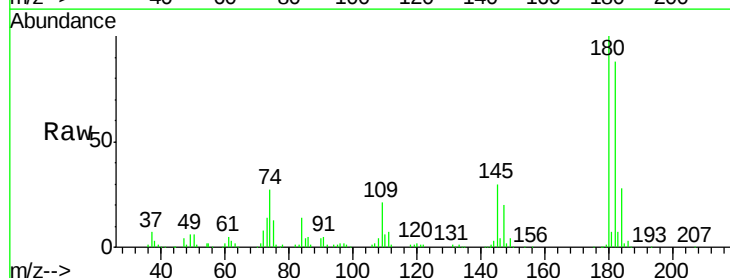
Tgt Ion:180 Resp: 61719

Ion Ratio Lower Upper

180 100

182 90.5 47.4 142.3

145 30.1 15.8 47.3



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

