

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX060218\
 Data File : VX002237.D
 Acq On : 02 Jun 2018 14:09
 Operator : JC/MD
 Sample : VX0603WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0602WBS01

Quant Time: Jun 04 05:04:10 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	215824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	298682	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	282412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	192228	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	174094	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	
35) Dibromofluoromethane	5.51	113	130366	43.65	ug/l	0.00
Spiked Amount			Recovery	=	87.30%	
50) Toluene-d8	8.72	98	507826	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	
62) 4-Bromofluorobenzene	11.14	95	193251	45.68	ug/l	0.00
Spiked Amount			Recovery	=	91.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	41393	13.86	ug/l	98
3) Chloromethane	1.32	50	56699	17.07	ug/l	98
4) Vinyl Chloride	1.40	62	59849	18.67	ug/l	99
5) Bromomethane	1.64	94	40381	26.92	ug/l	99
6) Chloroethane	1.72	64	40722	21.54	ug/l	98
7) Trichlorofluoromethane	1.93	101	101209	21.02	ug/l	99
8) Diethyl Ether	2.19	74	41478	23.74	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	58704	21.85	ug/l	97
10) Methyl Iodide	2.51	142	63610	17.50	ug/l	99
11) Tert butyl alcohol	3.07	59	94763	125.14	ug/l	97
12) 1,1-Dichloroethene	2.37	96	52487	20.86	ug/l	99
13) Acrolein	2.29	56	23674	72.31	ug/l	98
14) Allyl chloride	2.73	41	112906	21.38	ug/l	95
15) Acrylonitrile	3.15	53	182217	117.01	ug/l	100
16) Acetone	2.45	43	192127	129.04	ug/l	98
17) Carbon Disulfide	2.57	76	111706	15.43	ug/l	100
18) Methyl Acetate	2.78	43	91931	25.06	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	218038	23.04	ug/l	99
20) Methylene Chloride	2.86	84	65475	24.55	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	57868	22.77	ug/l	98
22) Diisopropyl ether	3.87	45	207138	19.29	ug/l	96
23) Vinyl Acetate	3.82	43	905074	101.63	ug/l	99
24) 1,1-Dichloroethane	3.70	63	120140	23.55	ug/l	100
25) 2-Butanone	4.71	43	251267	92.08	ug/l	99
26) 2,2-Dichloropropane	4.59	77	85265	16.51	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	61073	18.62	ug/l	99
28) Bromochloromethane	5.03	49	52351	23.33	ug/l	100
29) Tetrahydrofuran	5.17	42	156885	88.37	ug/l	99
30) Chloroform	5.22	83	109119	18.98	ug/l	100
31) Cyclohexane	5.57	56	88409	16.63	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	90878	16.96	ug/l	98
36) 1,1-Dichloropropene	5.80	75	76300	18.37	ug/l	99
37) Ethyl Acetate	4.86	43	94027	17.36	ug/l	100
38) Carbon Tetrachloride	5.79	117	77177	15.93	ug/l	98

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 Sample : VX0603WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0602WBS01

Quant Time: Jun 04 05:04:10 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	91208	17.87	ug/l	97
40) Benzene	6.15	78	235374	19.34	ug/l	99
41) Methacrylonitrile	5.07	41	54802	18.31	ug/l	99
42) 1,2-Dichloroethane	6.20	62	95506	19.64	ug/l	99
43) Isopropyl Acetate	6.47	43	157520	17.45	ug/l	100
44) Trichloroethene	7.22	130	66345	18.71	ug/l	96
45) 1,2-Dichloropropane	7.52	63	64037	19.37	ug/l	99
46) Dibromomethane	7.67	93	42244	19.30	ug/l	99
47) Bromodichloromethane	7.90	83	75753	16.23	ug/l	98
48) Methyl methacrylate	7.78	41	80095	17.44	ug/l	96
49) 1,4-Dioxane	7.76	88	31344	387.24	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	518035	95.22	ug/l	99
52) Toluene	8.79	92	152472	19.68	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	93075	17.32	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	84527	16.14	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	64191	19.84	ug/l	97
56) Ethyl methacrylate	9.18	69	98065	17.62	ug/l	98
57) 1,3-Dichloropropane	9.38	76	105938	19.87	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	211245	85.63	ug/l	99
59) 2-Hexanone	9.50	43	401258	95.66	ug/l	99
60) Dibromochloromethane	9.59	129	59440	15.51	ug/l	100
61) 1,2-Dibromoethane	9.68	107	65606	19.32	ug/l	99
64) Tetrachloroethene	9.34	164	76876	18.99	ug/l	99
65) Chlorobenzene	10.14	112	178071	19.90	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	61296	16.97	ug/l	99
67) Ethyl Benzene	10.26	91	300473	19.33	ug/l	100
68) m/p-Xylenes	10.36	106	232888	39.19	ug/l	98
69) o-Xylene	10.70	106	114164	19.24	ug/l	100
70) Styrene	10.71	104	187594	19.06	ug/l	100
71) Bromoform	10.86	173	43996	12.84	ug/l #	99
73) Isopropylbenzene	11.02	105	309385	19.01	ug/l	99
74) N-amyl acetate	6.47	43	157520	16.54	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	91138	19.70	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	107998	23.39	ug/l	80
77) Bromobenzene	11.26	156	84083	19.47	ug/l	95
78) n-propylbenzene	11.37	91	350972	19.25	ug/l	100
79) 2-Chlorotoluene	11.43	91	212557	19.86	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	262740	18.89	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	23204	12.08	ug/l #	83
82) 4-Chlorotoluene	11.51	91	249799	19.43	ug/l	100
83) tert-Butylbenzene	11.77	119	254018	18.61	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	273272	19.01	ug/l	99
85) sec-Butylbenzene	11.95	105	317207	19.33	ug/l	100
86) p-Isopropyltoluene	12.07	119	285080	19.41	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	153032	19.79	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	153416	19.84	ug/l	99
89) n-Butylbenzene	12.39	91	241175	19.38	ug/l	99
90) Hexachloroethane	12.60	117	38926	13.44	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	156237	19.83	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19823	13.70	ug/l	98

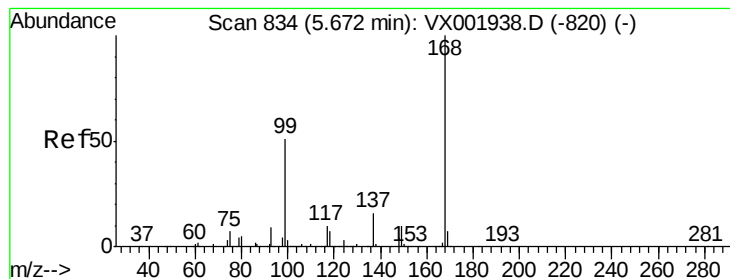
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX060218\
Data File : VX002237.D
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Operator : JC/MD
Sample : VX0603WBS01
Misc : 5.0mL/MSVOA X/WATER
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Instrument :
MSVOA_X
ClientSampleId :
VX0602WBS01

Quant Time: Jun 04 05:04:10 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	112154	19.90	ug/l	99
94) Hexachlorobutadiene	13.79	225	58567	19.32	ug/l	99
95) Naphthalene	13.84	128	321651	18.53	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	115543	19.82	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

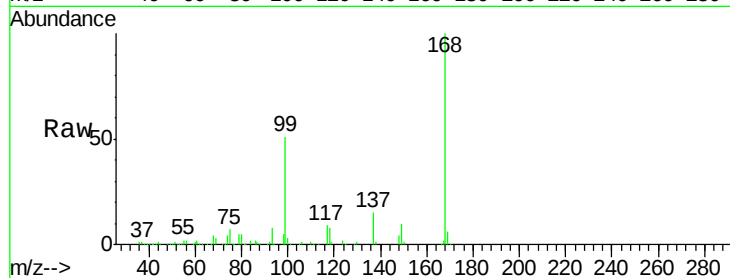
VX0602WBS01

Tot Ion:168 Resp: 215824

Ion Ratio Lower Upper

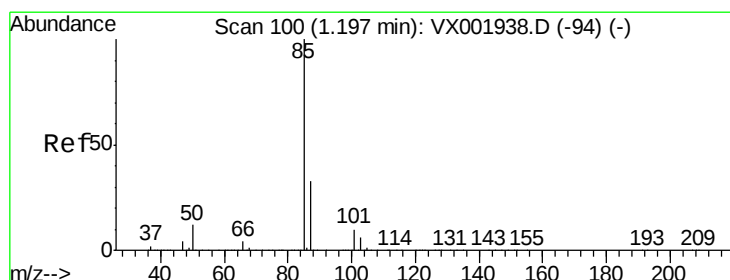
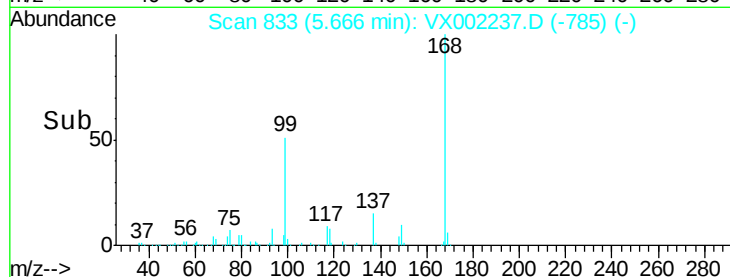
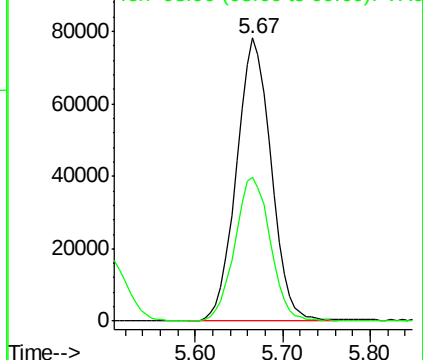
168 100

99 50.5 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 13.86 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002237.D

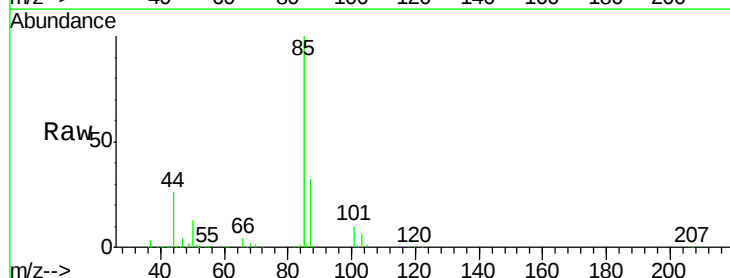
Acq: 02 Jun 2018 14:09

Tgt Ion: 85 Resp: 41393

Ion Ratio Lower Upper

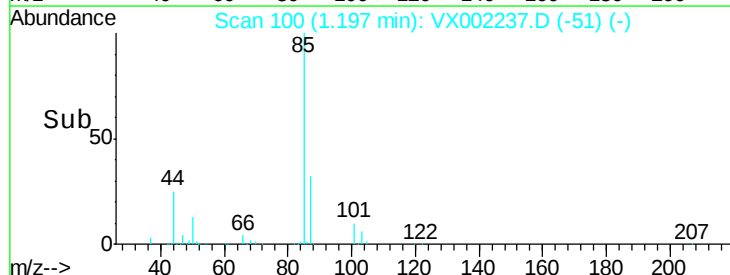
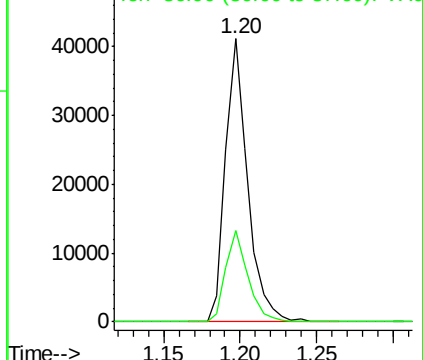
85 100

87 32.1 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

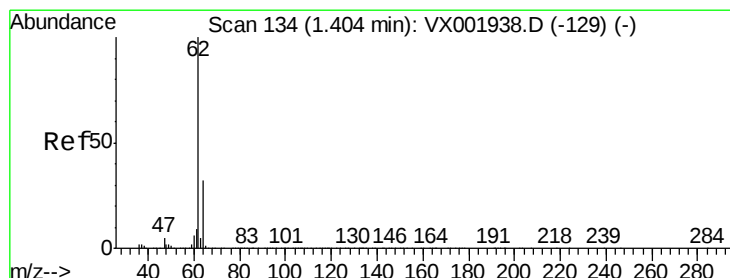
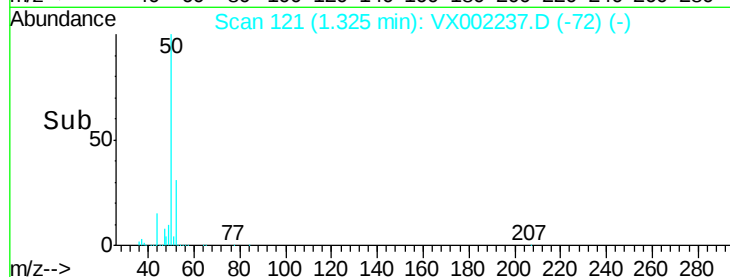
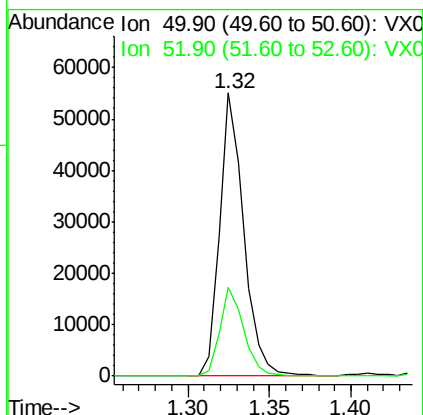
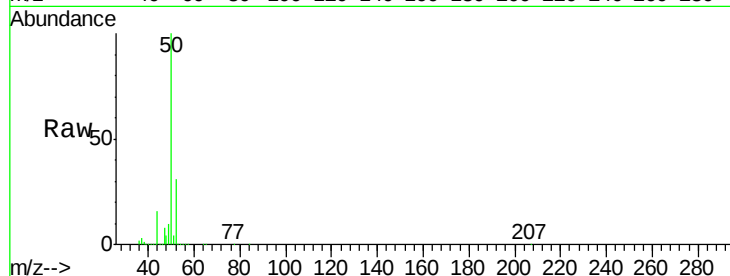




#3
Chloromethane
Concen: 17.07 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX002237.D
Acq: 02 Jun 2018 14:09

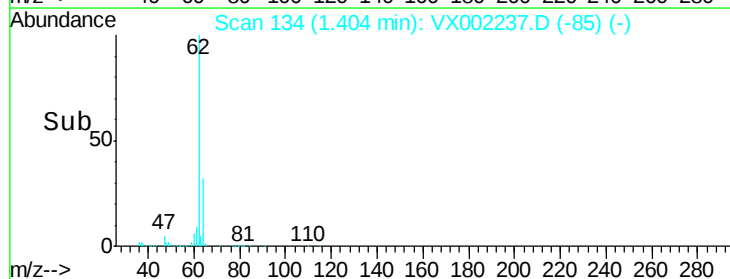
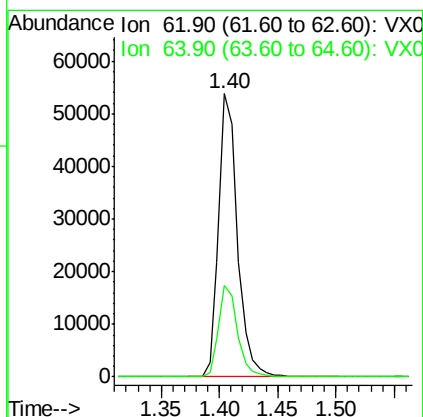
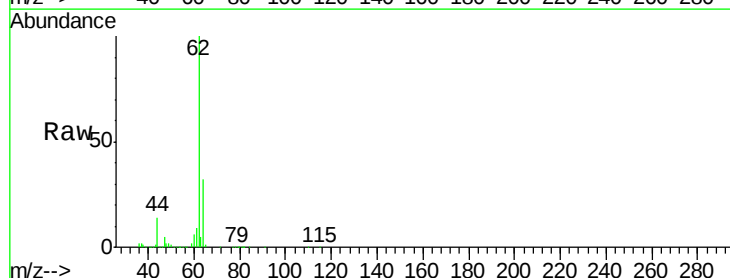
Instrument :
MSVOA_X
ClientSampleId :
VX0602WBS01

Tot Ion: 50 Resp: 56699
Ion Ratio Lower Upper
50 100
52 31.4 26.0 39.0



#4
Vinyl Chloride
Concen: 18.67 ug/l
RT: 1.40 min Scan# 134
Delta R.T. 0.00 min
Lab File: VX002237.D
Acq: 02 Jun 2018 14:09

Tgt Ion: 62 Resp: 59849
Ion Ratio Lower Upper
62 100
64 32.2 25.4 38.0





#5

Bromomethane

Concen: 26.92 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

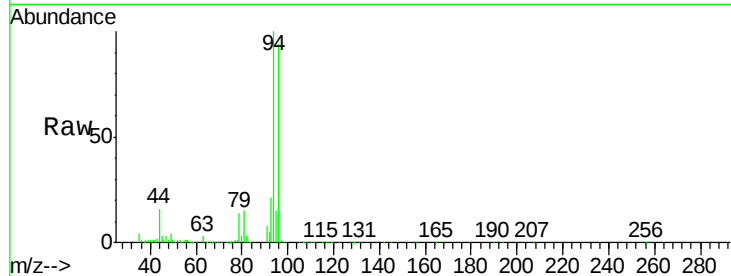
VX0602WBS01

Tot Ion: 94 Resp: 40381

Ion Ratio Lower Upper

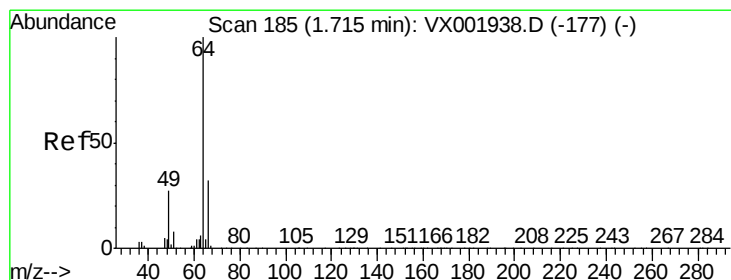
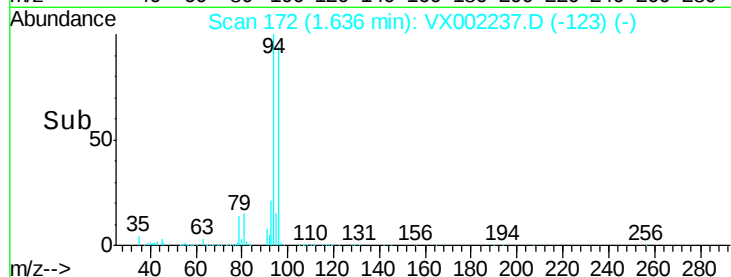
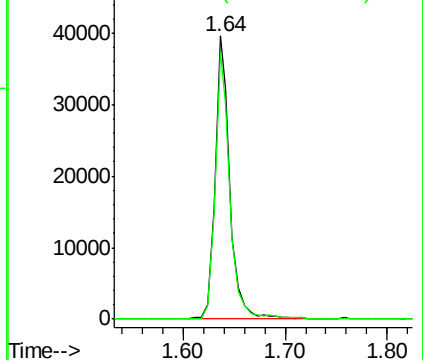
94 100

96 94.1 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.54 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX002237.D

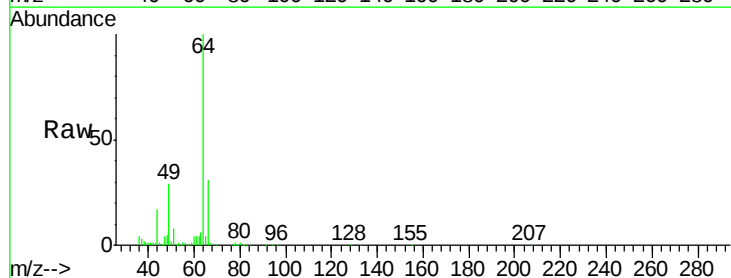
Acq: 02 Jun 2018 14:09

Tgt Ion: 64 Resp: 40722

Ion Ratio Lower Upper

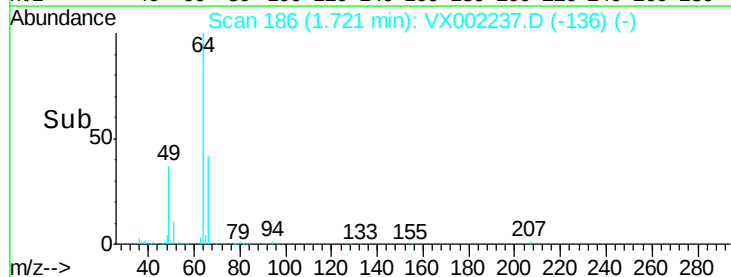
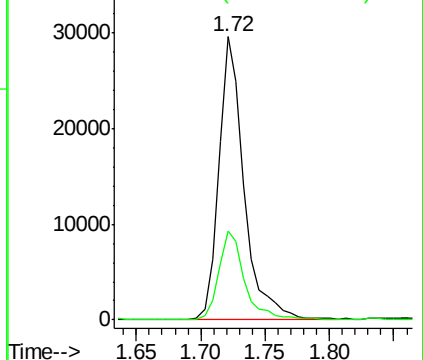
64 100

66 31.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



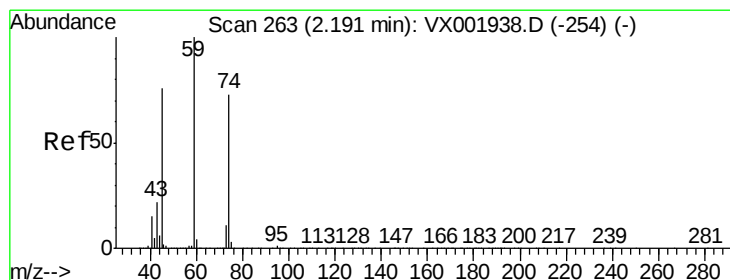
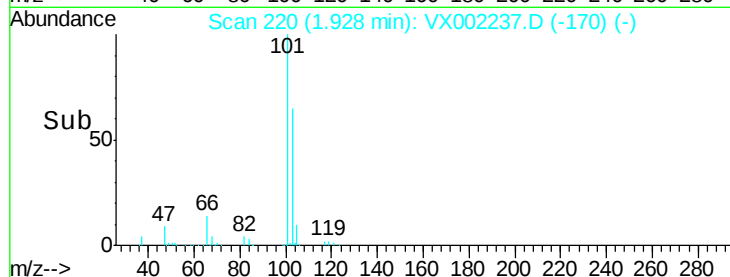
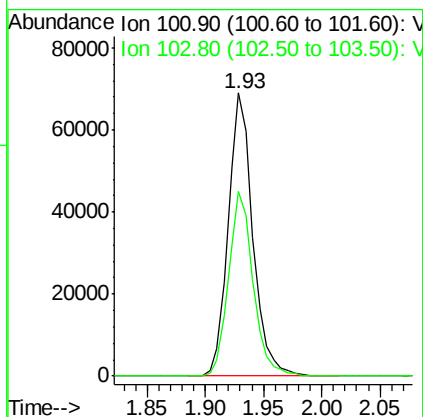
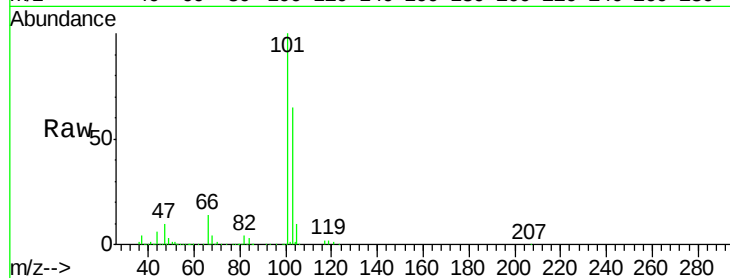


#7

Trichlorofluoromethane
 Concen: 21.02 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX002237.D
 Acq: 02 Jun 2018 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0602WBS01

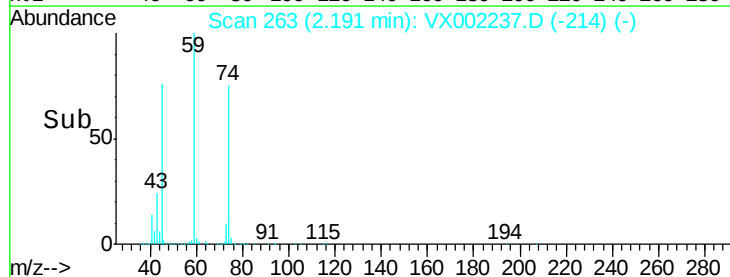
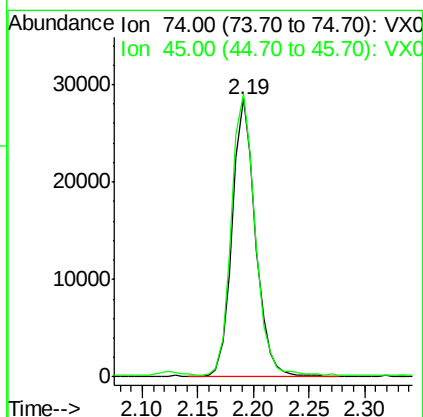
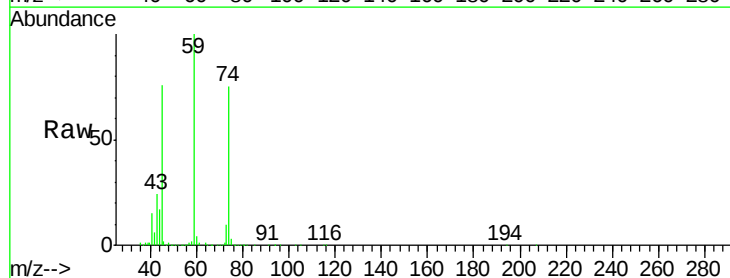
Tot Ion:101 Resp: 101209
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.4 77.0



#8

Diethyl Ether
 Concen: 23.74 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002237.D
 Acq: 02 Jun 2018 14:09

Tgt Ion: 74 Resp: 41478
 Ion Ratio Lower Upper
 74 100
 45 102.0 51.5 154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.85 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

VX0602WBS01

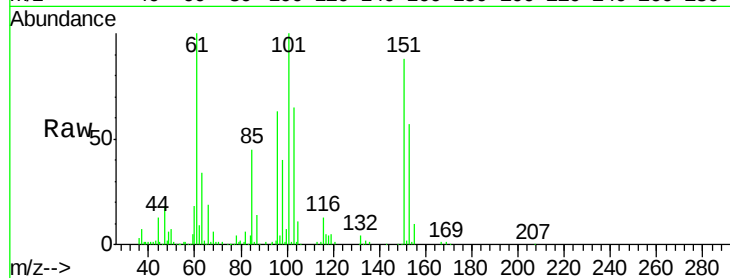
Tot Ion:101 Resp: 58704

Ion Ratio Lower Upper

101 100

85 46.8 35.6 53.4

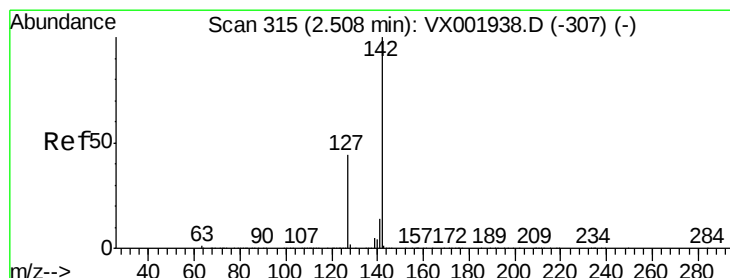
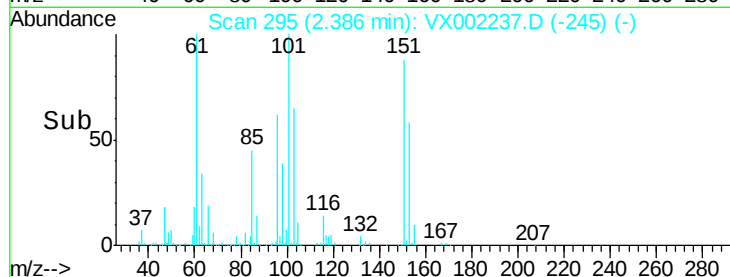
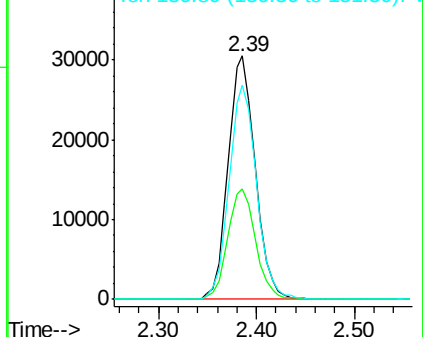
151 89.2 73.2 109.8



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: 17.50 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

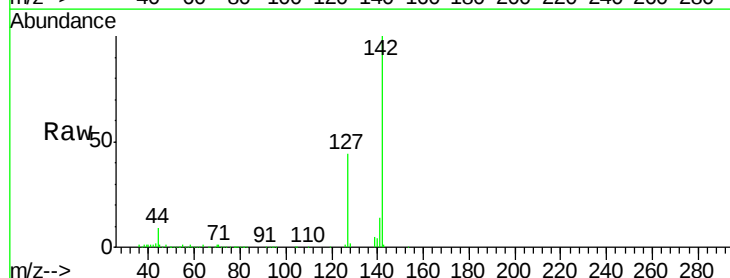
Tgt Ion:142 Resp: 63610

Ion Ratio Lower Upper

142 100

127 44.8 35.5 53.3

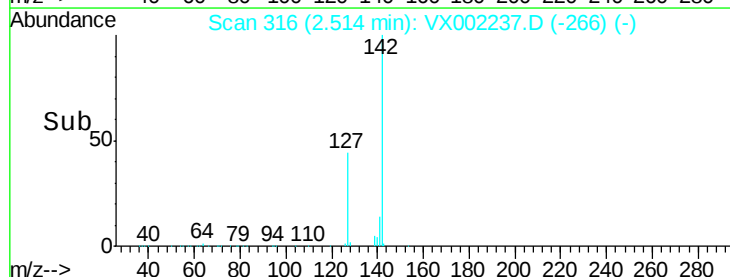
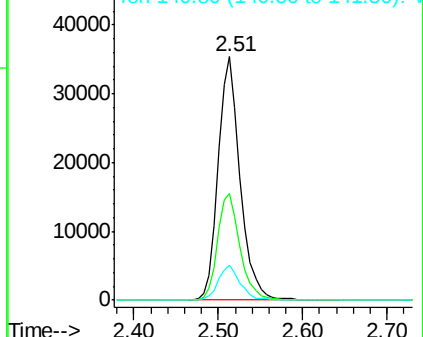
141 14.3 11.3 16.9

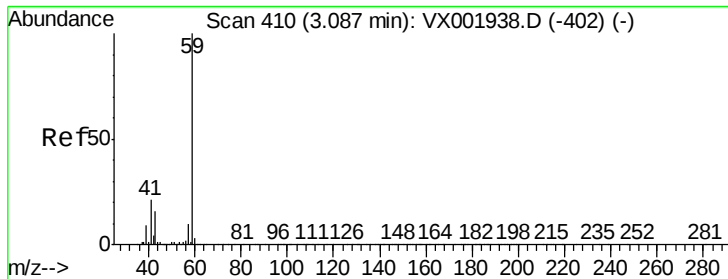


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



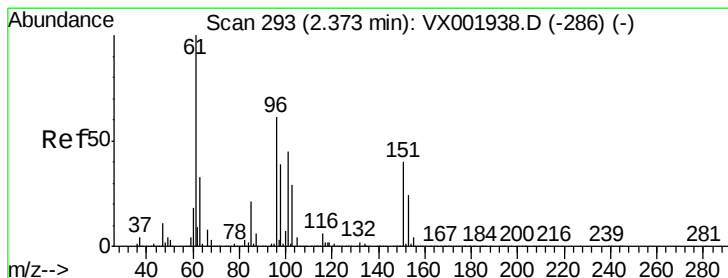
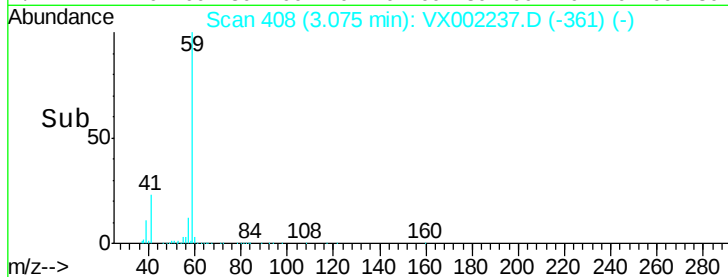
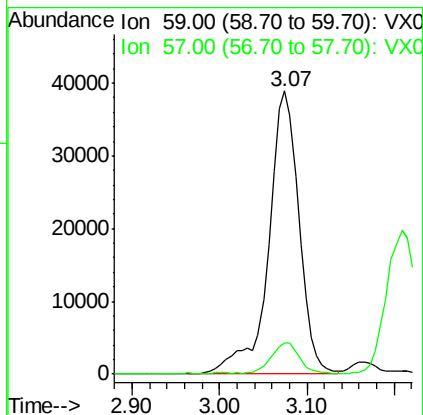
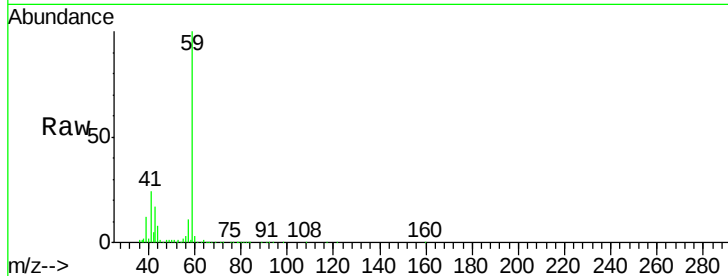


#11

Tert butyl alcohol
Concen: 125.14 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002237.D
Acq: 02 Jun 2018 14:09

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBS01

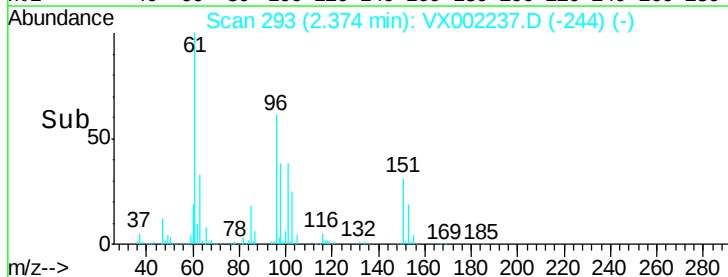
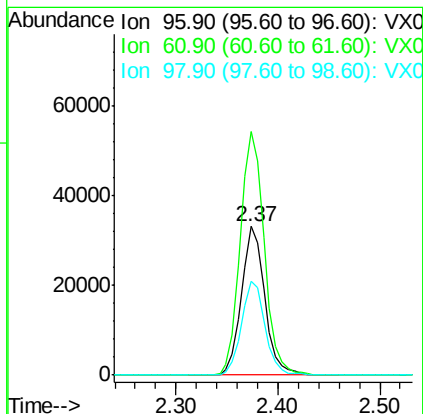
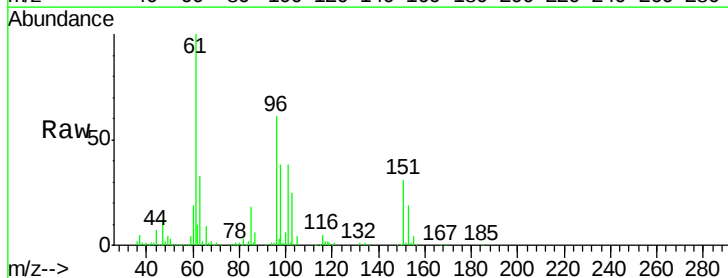
Tot Ion: 59 Resp: 94763
Ion Ratio Lower Upper
59 100
57 10.0 8.9 13.3



#12

1,1-Dichloroethene
Concen: 20.86 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX002237.D
Acq: 02 Jun 2018 14:09

Tgt Ion: 96 Resp: 52487
Ion Ratio Lower Upper
96 100
61 164.2 131.7 197.5
98 62.9 51.6 77.4





#13

Acrolein

Concen: 72.31 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

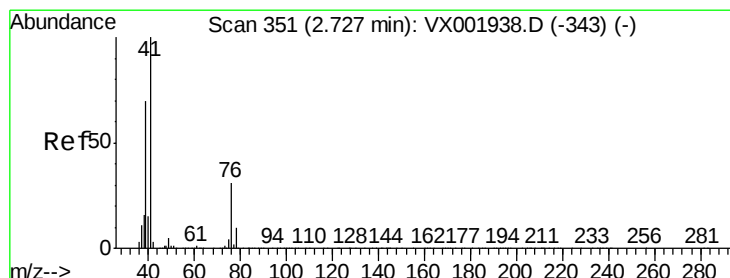
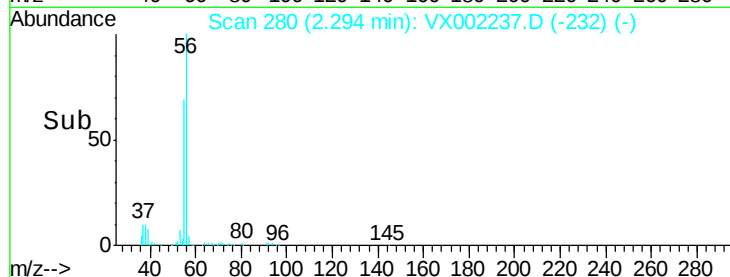
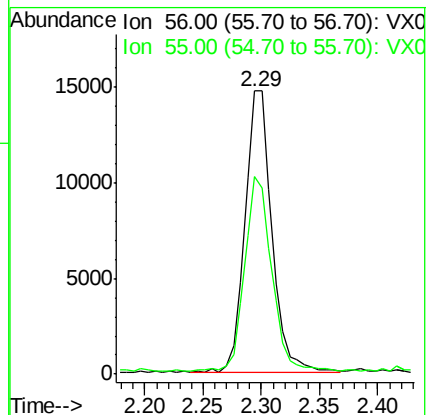
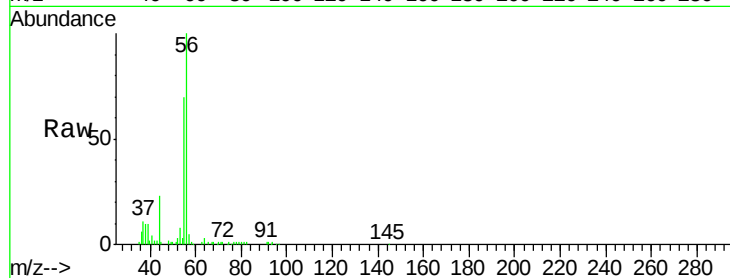
VX0602WBS01

Tot Ion: 56 Resp: 23674

Ion Ratio Lower Upper

56 100

55 69.4 56.8 85.2



#14

Allyl chloride

Concen: 21.38 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

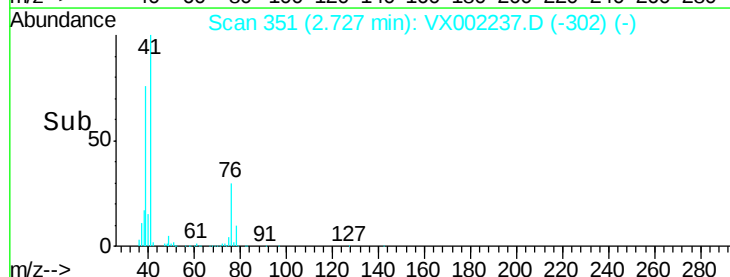
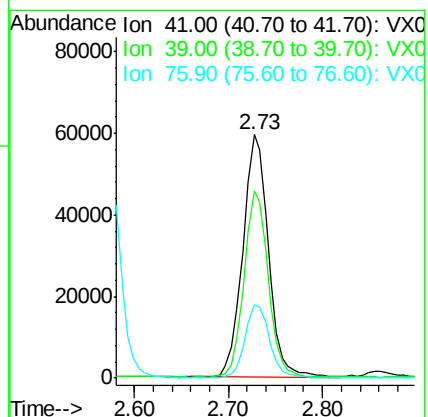
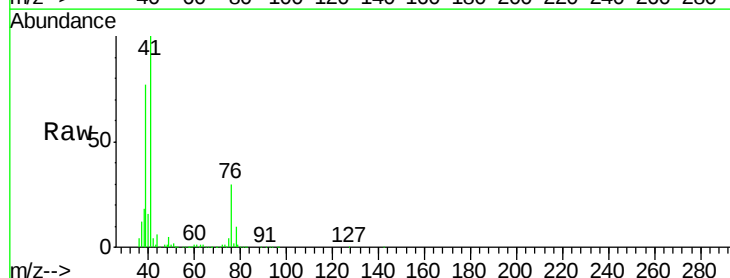
Tgt Ion: 41 Resp: 112906

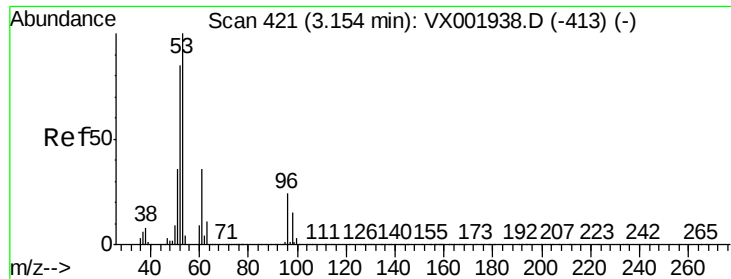
Ion Ratio Lower Upper

41 100

39 72.9 54.3 81.5

76 29.5 24.2 36.4





#15

Acrylonitrile

Concen: 117.01 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

VX0602WBS01

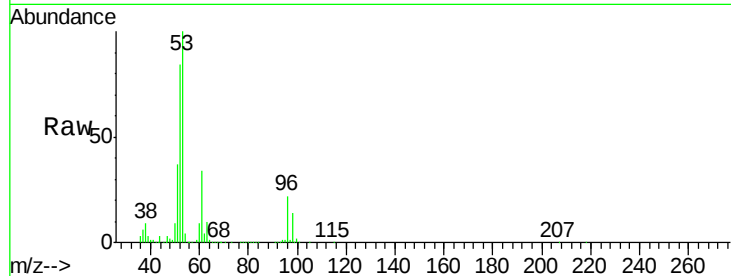
Tot Ion: 53 Resp: 182217

Ion Ratio Lower Upper

53 100

52 83.5 66.4 99.6

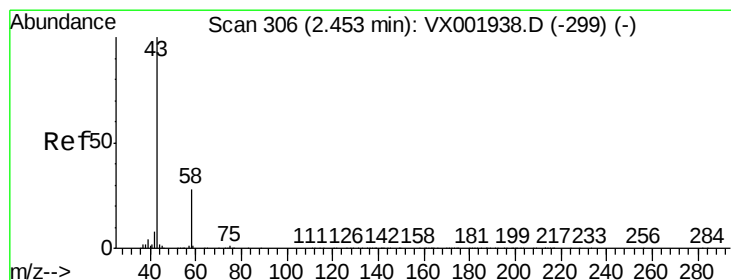
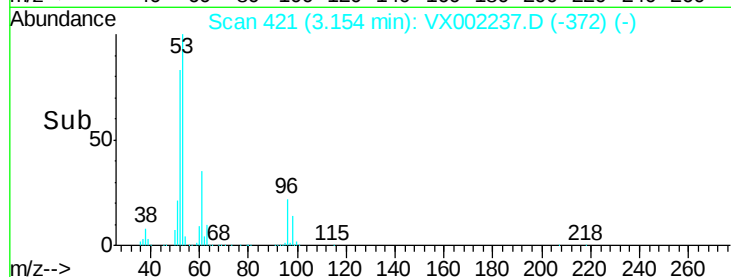
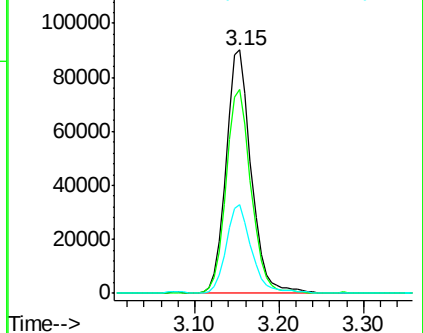
51 36.6 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 129.04 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002237.D

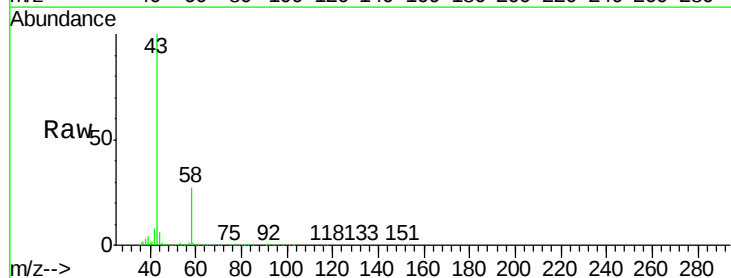
Acq: 02 Jun 2018 14:09

Tgt Ion: 43 Resp: 192127

Ion Ratio Lower Upper

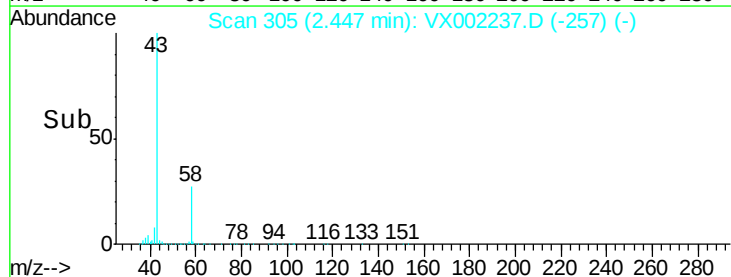
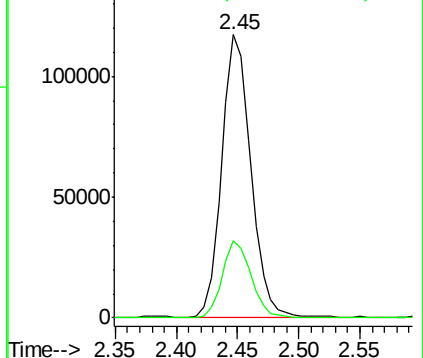
43 100

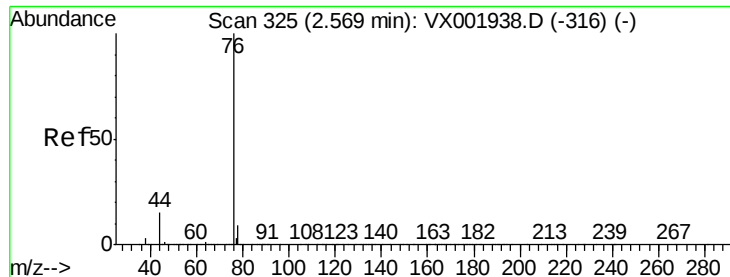
58 27.1 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 15.43 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

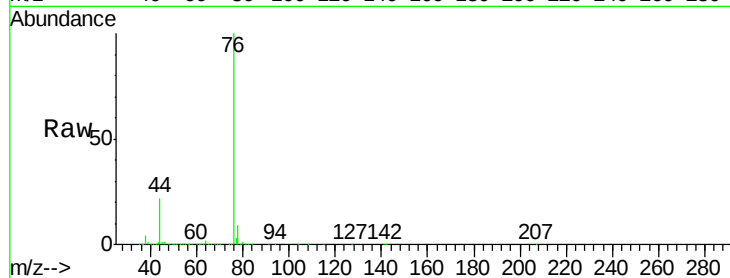
VX0602WBS01

Tot Ion: 76 Resp: 111706

Ion Ratio Lower Upper

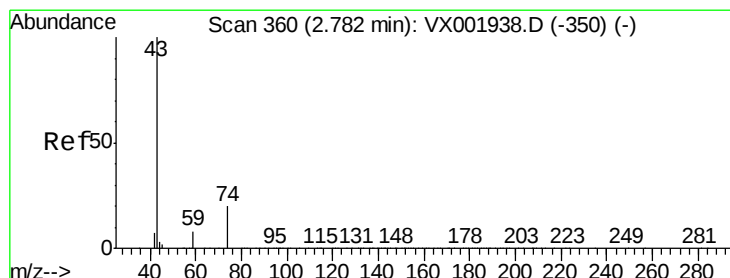
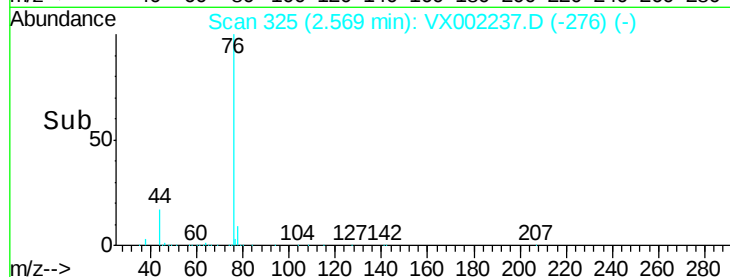
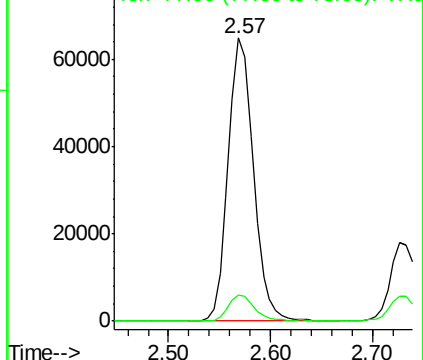
76 100

78 9.3 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 25.06 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002237.D

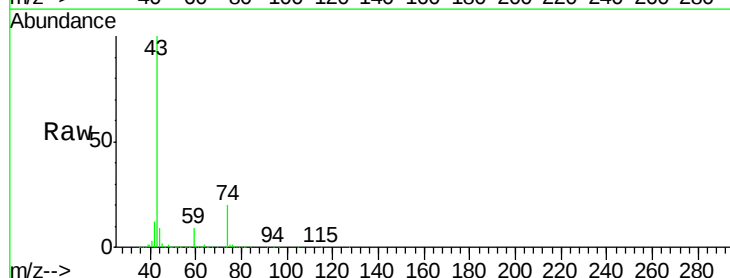
Acq: 02 Jun 2018 14:09

Tgt Ion: 43 Resp: 91931

Ion Ratio Lower Upper

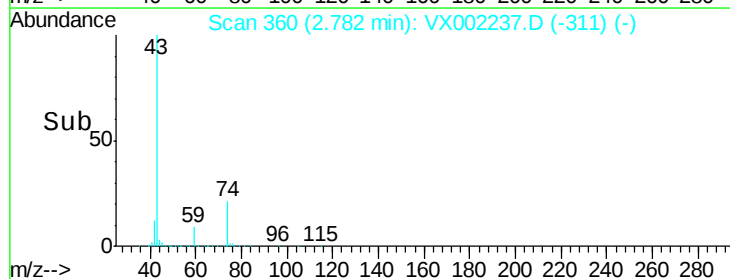
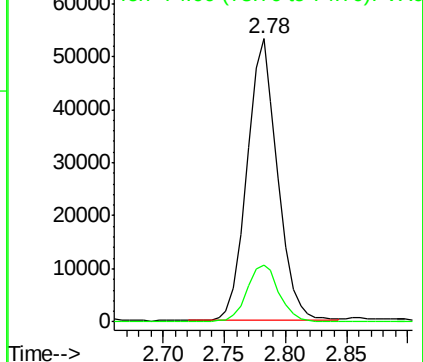
43 100

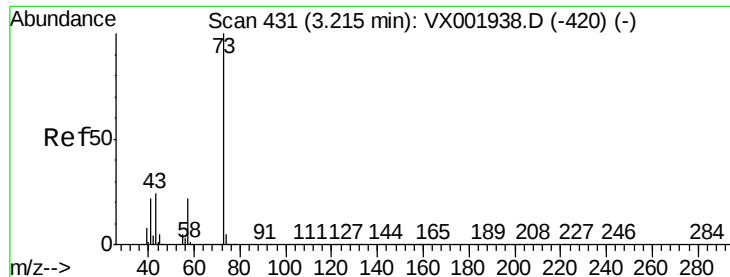
74 22.2 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



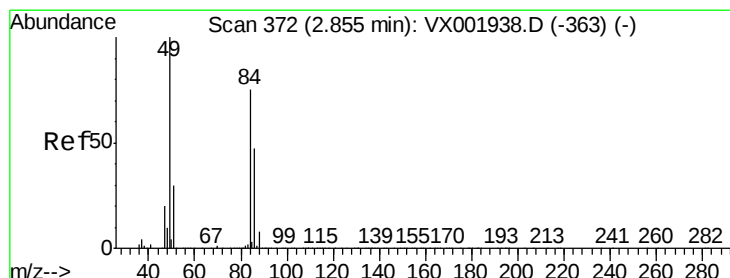
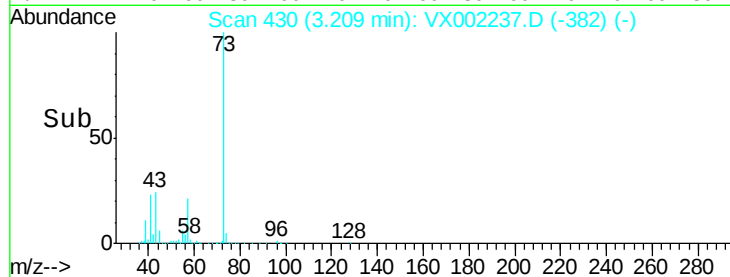
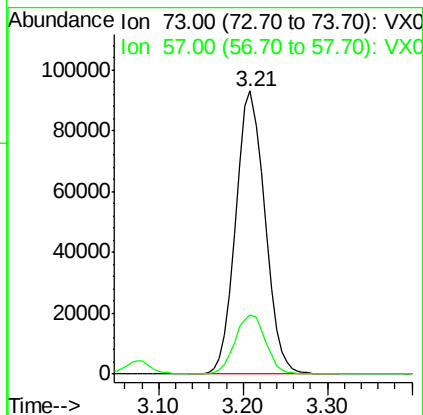
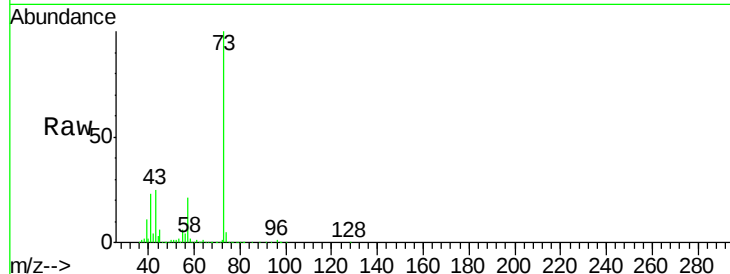


#19

Methyl tert-butyl Ether
 Concen: 23.04 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VX002237.D
 Acq: 02 Jun 2018 14:09

Instrument :
 MSVOA_X
 ClientSampled :
 VX0602WBS01

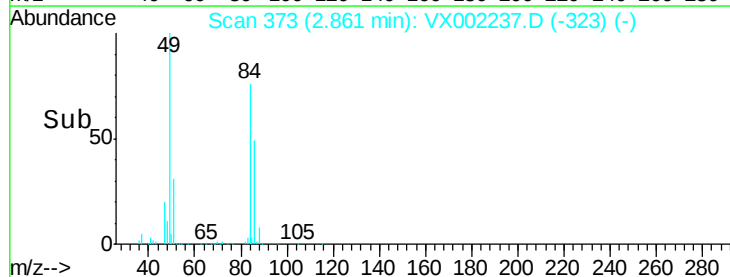
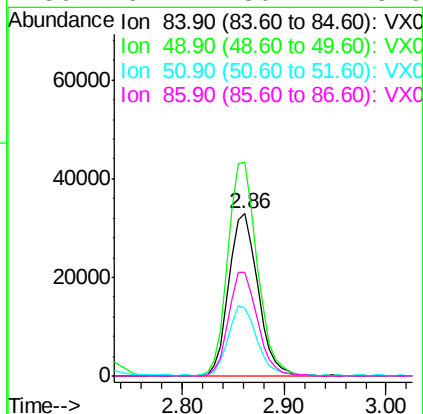
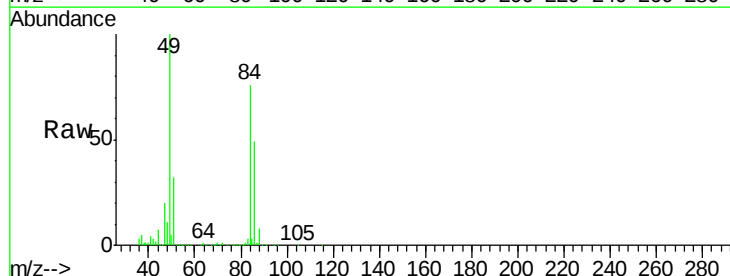
Tot Ion: 73 Resp: 218038
 Ion Ratio Lower Upper
 73 100
 57 21.0 17.4 26.0



#20

Methylene Chloride
 Concen: 24.55 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.01 min
 Lab File: VX002237.D
 Acq: 02 Jun 2018 14:09

Tgt Ion: 84 Resp: 65475
 Ion Ratio Lower Upper
 84 100
 49 131.8 107.2 160.8
 51 41.1 32.4 48.6
 86 64.2 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 22.77 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

VX0602WBS01

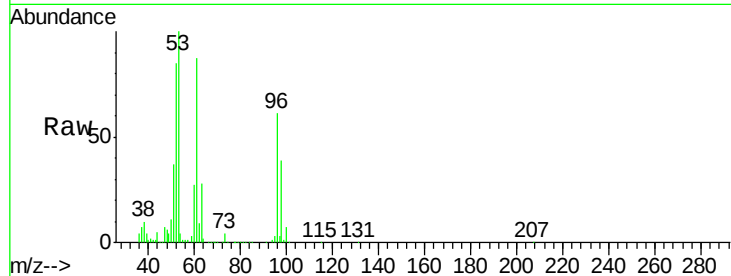
Tot Ion: 96 Resp: 57868

Ion Ratio Lower Upper

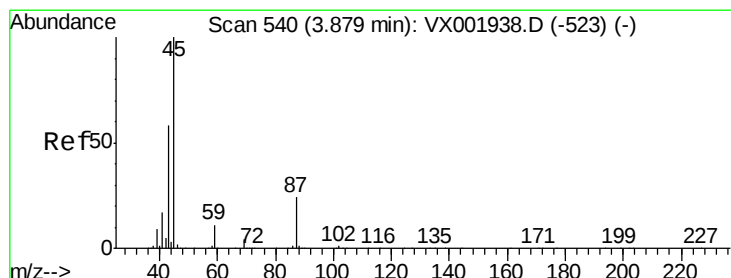
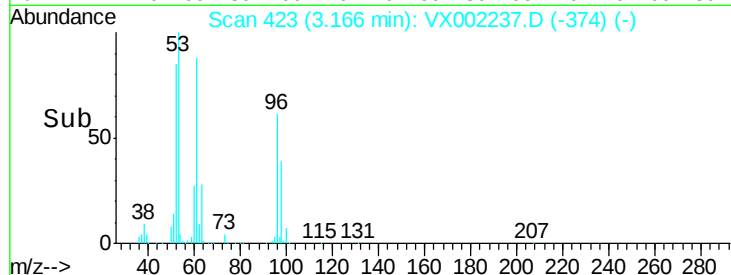
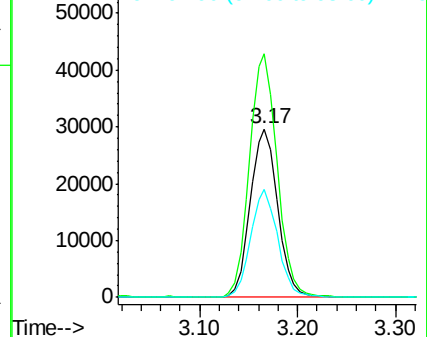
96 100

61 144.0 113.3 169.9

98 63.7 51.7 77.5



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: 19.29 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Tgt Ion: 45 Resp: 207138

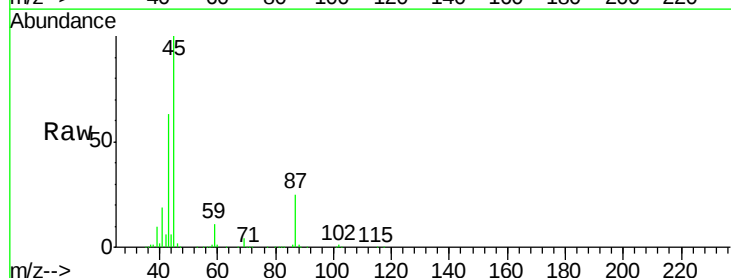
Ion Ratio Lower Upper

45 100

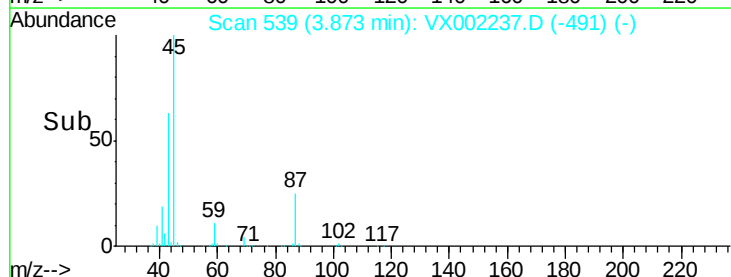
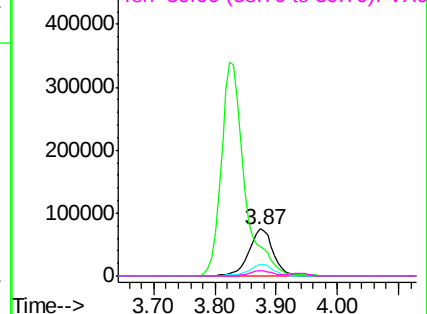
43 62.7 47.0 70.6

87 25.4 19.4 29.0

59 10.6 8.5 12.7



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: 101.63 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

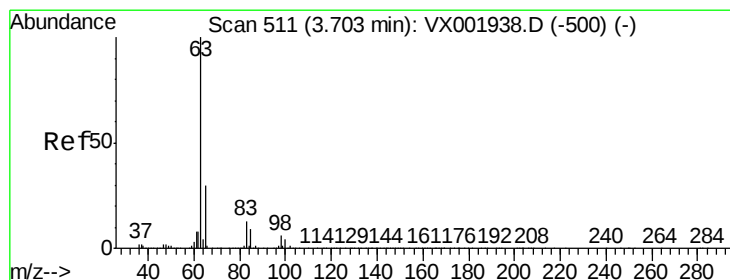
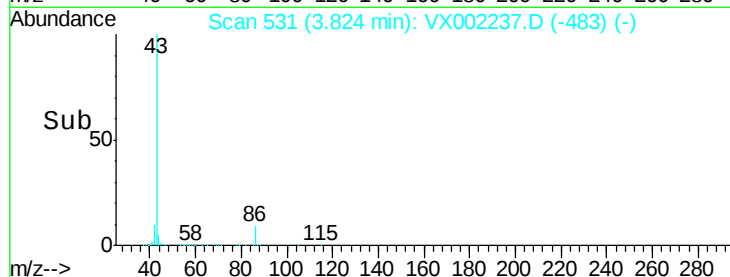
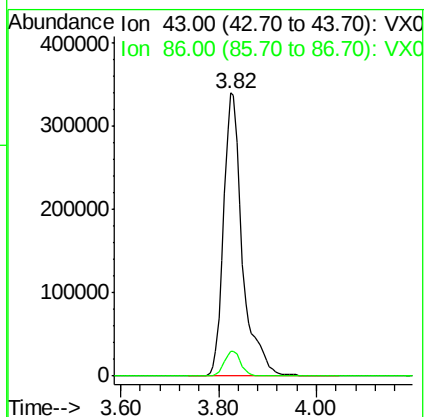
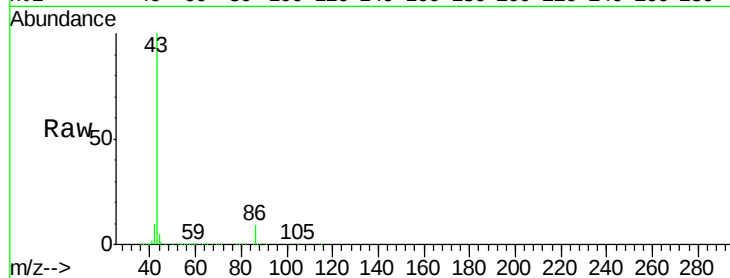
VX0602WBS01

Tot Ion: 43 Resp: 905074

Ion Ratio Lower Upper

43 100

86 9.0 7.6 11.4



#24

1,1-Dichloroethane

Concen: 23.55 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

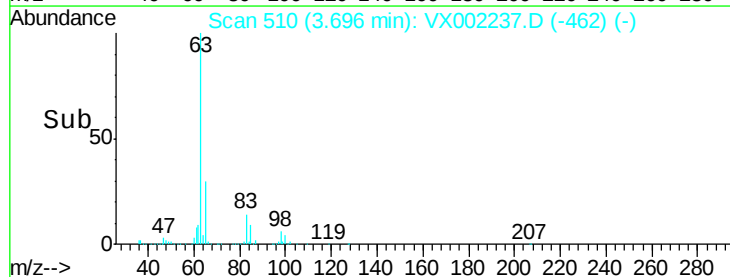
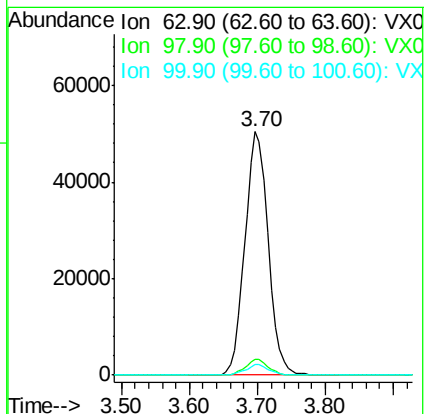
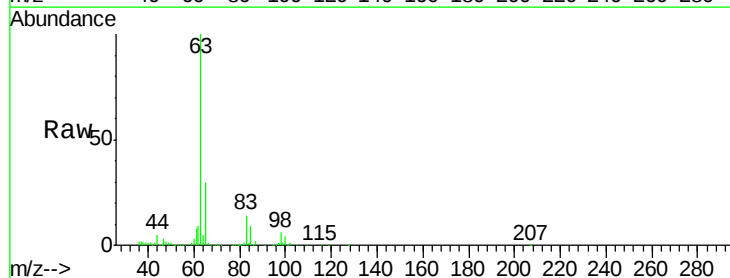
Tgt Ion: 63 Resp: 120140

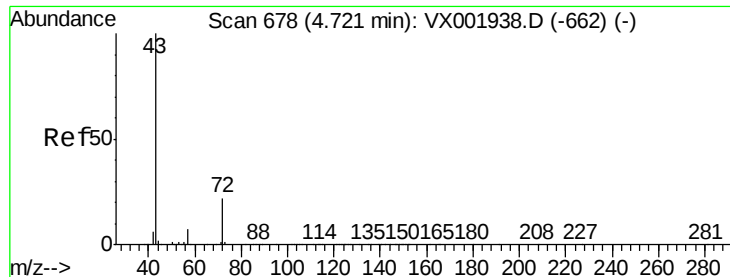
Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.8

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 92.08 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampled :

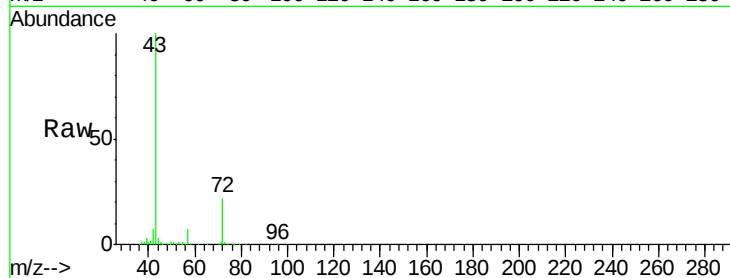
VX0602WBS01

Tot Ion: 43 Resp: 251267

Ion Ratio Lower Upper

43 100

72 22.0 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

100000

80000

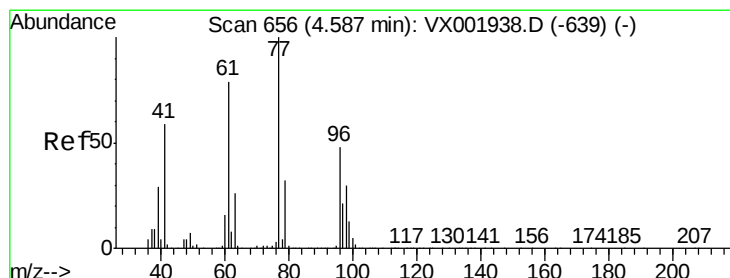
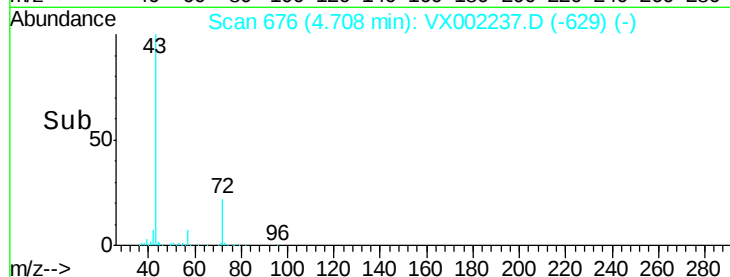
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 16.51 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002237.D

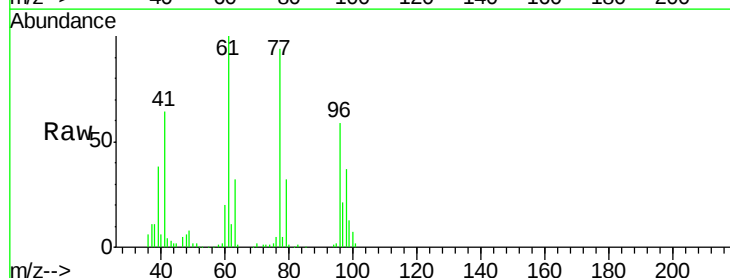
Acq: 02 Jun 2018 14:09

Tgt Ion: 77 Resp: 85265

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

30000

25000

20000

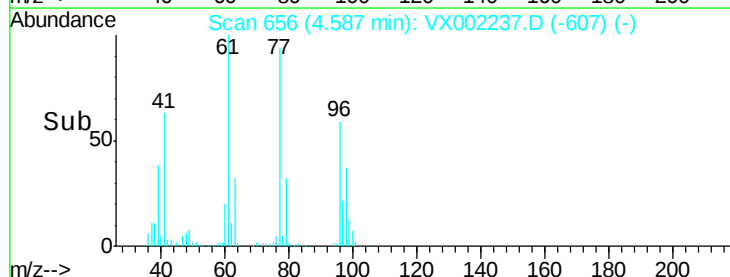
15000

10000

5000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 18.62 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

VX0602WBS01

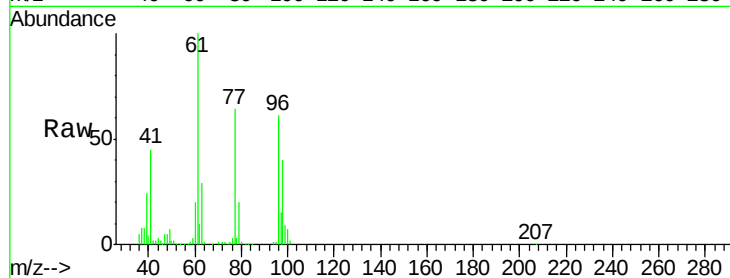
Tot Ion: 96 Resp: 61073

Ion Ratio Lower Upper

96 100

61 174.8 0.0 348.4

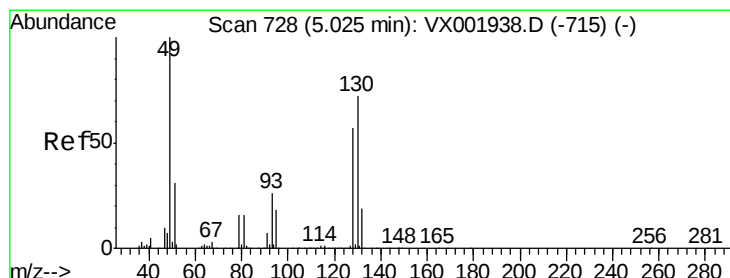
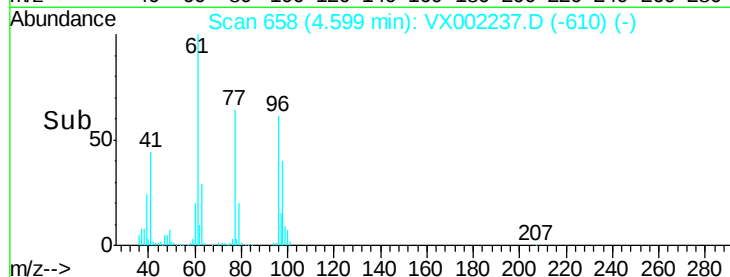
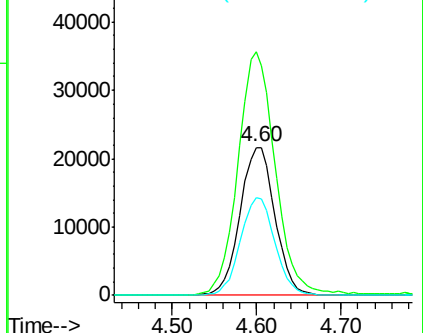
98 65.0 0.0 128.6



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: 23.33 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

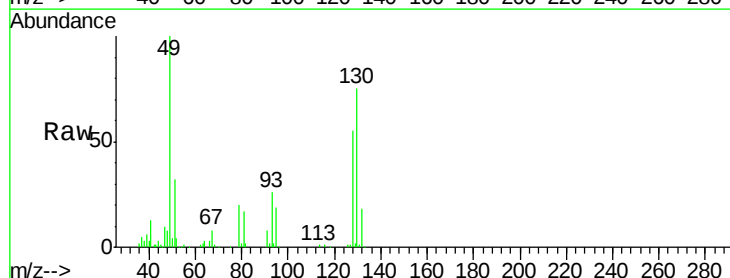
Tgt Ion: 49 Resp: 52351

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

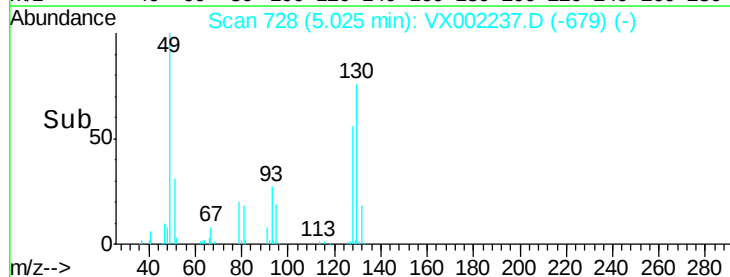
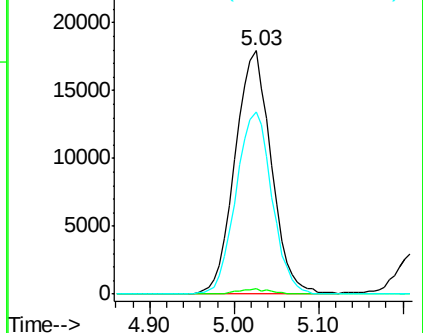
130 74.1 59.4 89.2



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: 88.37 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

VX0602WBS01

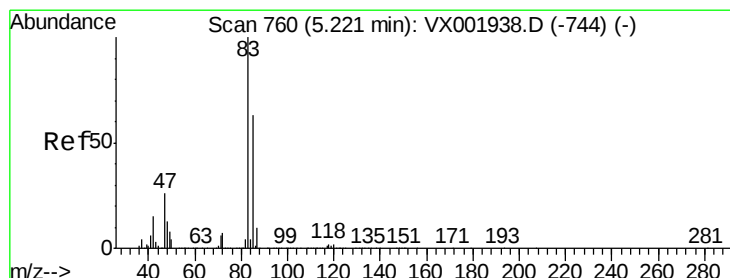
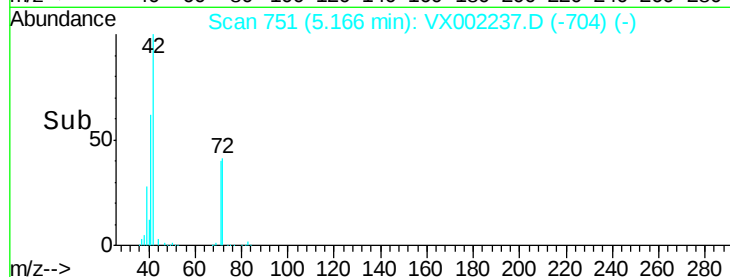
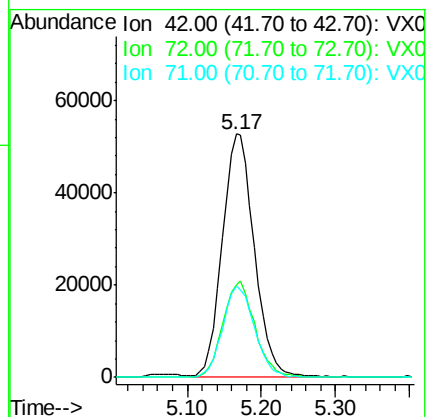
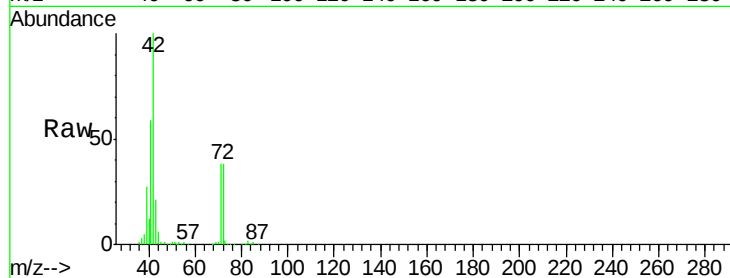
Tot Ion: 42 Resp: 156885

Ion Ratio Lower Upper

42 100

72 39.7 31.4 47.0

71 37.7 29.5 44.3



#30

Chloroform

Concen: 18.98 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX002237.D

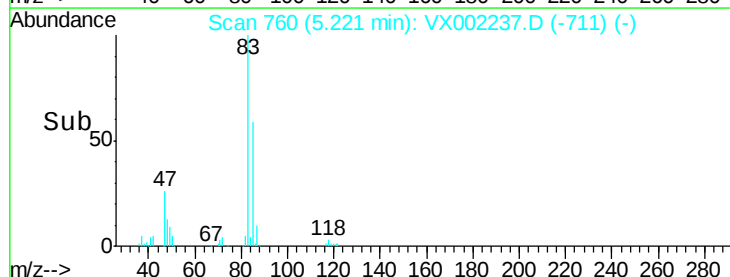
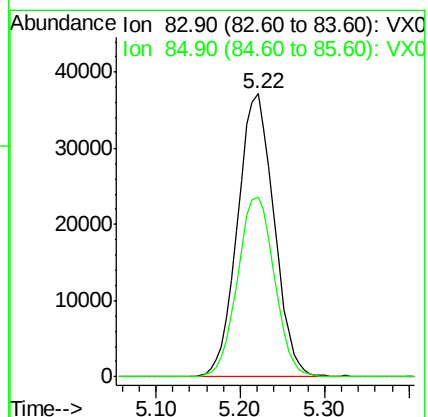
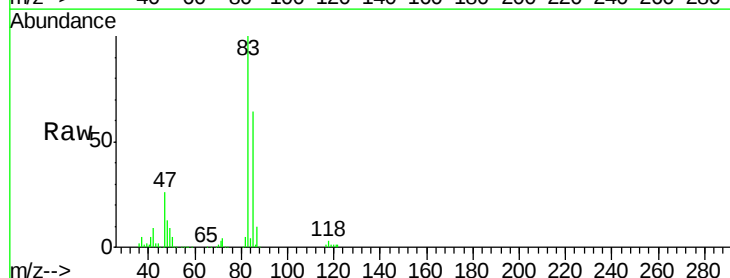
Acq: 02 Jun 2018 14:09

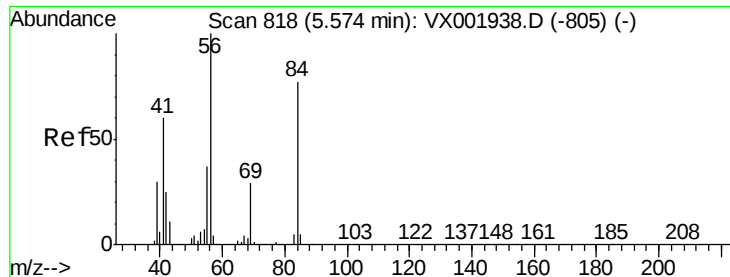
Tgt Ion: 83 Resp: 109119

Ion Ratio Lower Upper

83 100

85 63.7 50.9 76.3

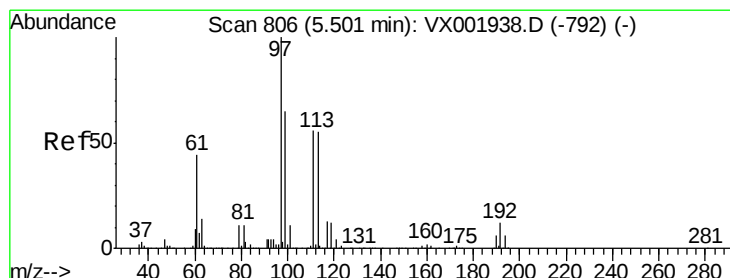
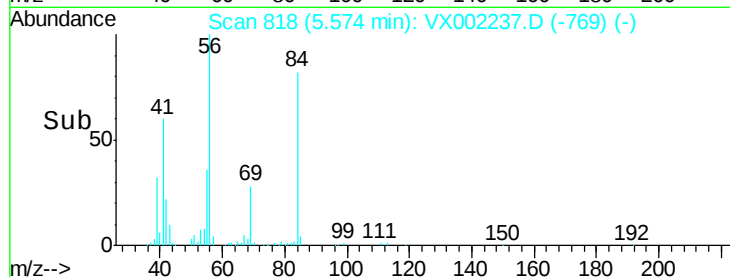
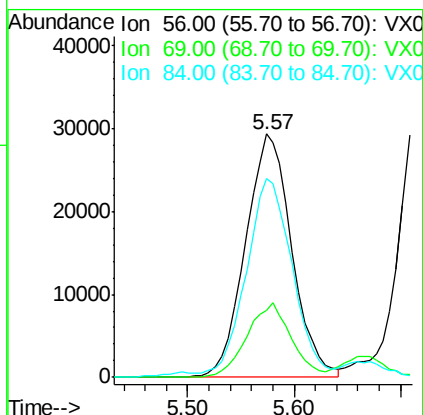
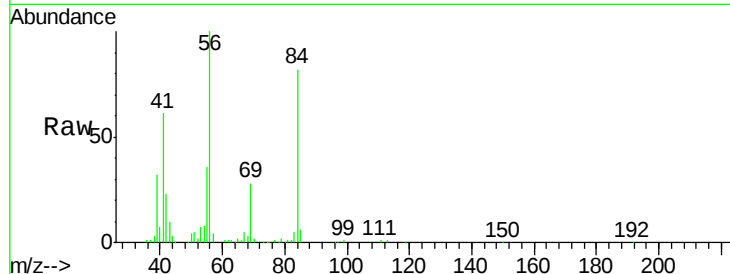




#31
Cyclohexane
Concen: 16.63 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX002237.D
Acq: 02 Jun 2018 14:09

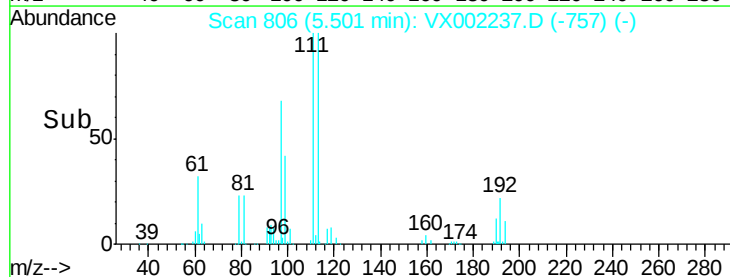
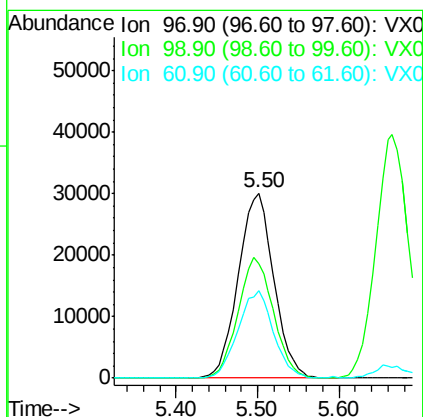
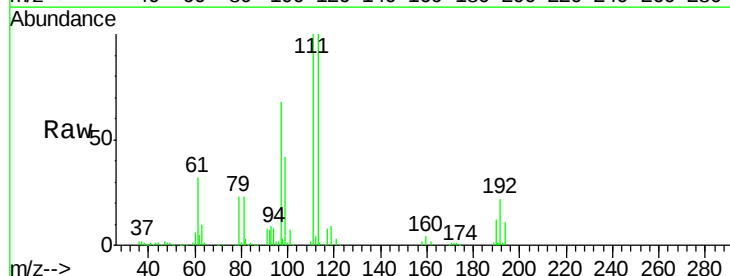
Instrument :
MSVOA_X
ClientSampleId :
VX0602WBS01

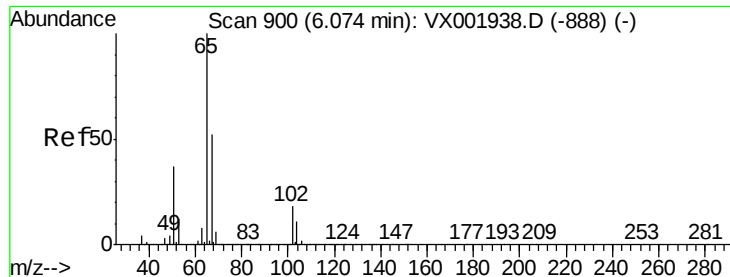
Tot Ion: 56 Resp: 88409
Ion Ratio Lower Upper
56 100
69 27.7 23.1 34.7
84 80.3 62.0 93.0



#32
1,1,1-Trichloroethane
Concen: 16.96 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX002237.D
Acq: 02 Jun 2018 14:09

Tgt Ion: 97 Resp: 90878
Ion Ratio Lower Upper
97 100
99 64.8 51.9 77.9
61 47.2 35.9 53.9

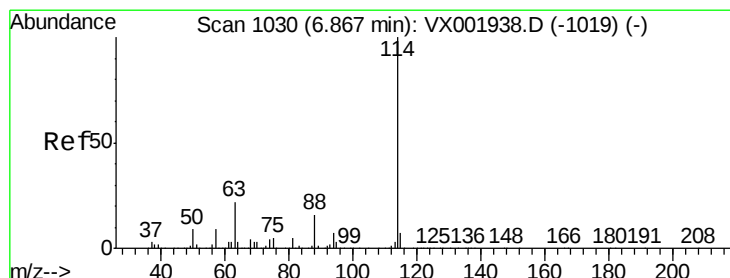
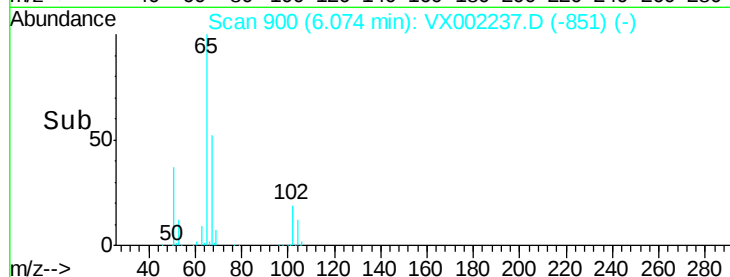
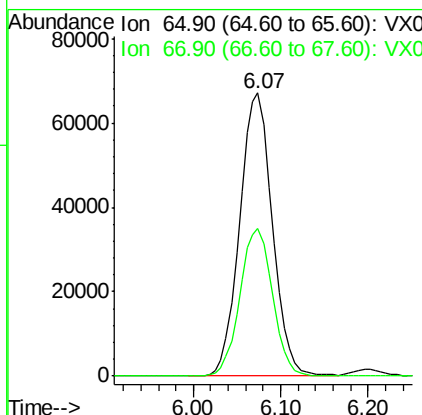
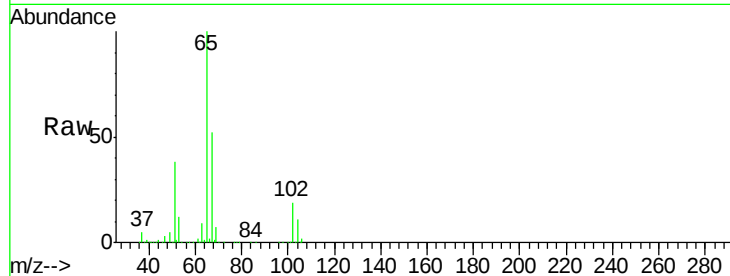




#33
 1,2-Dichloroethane-d4
 Concen: 45.13 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002237.D
 Acq: 02 Jun 2018 14:09

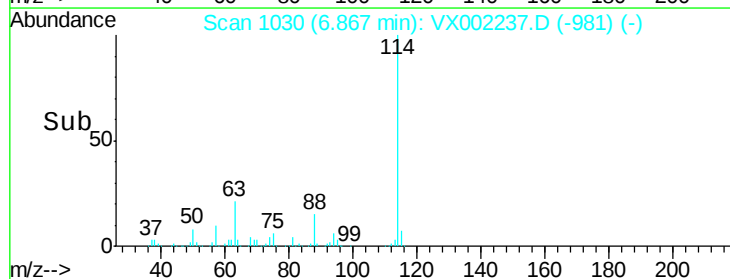
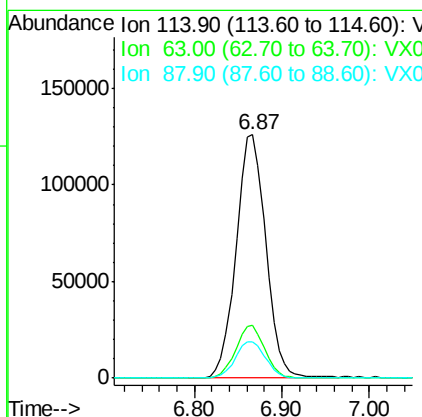
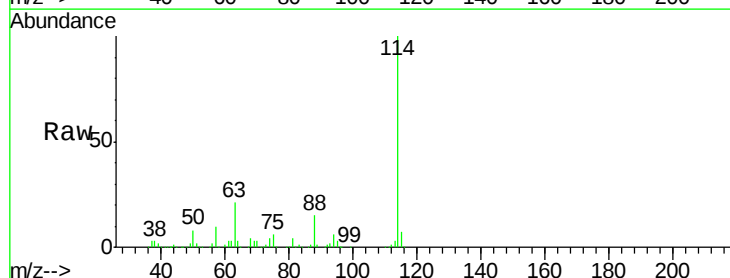
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0602WBS01

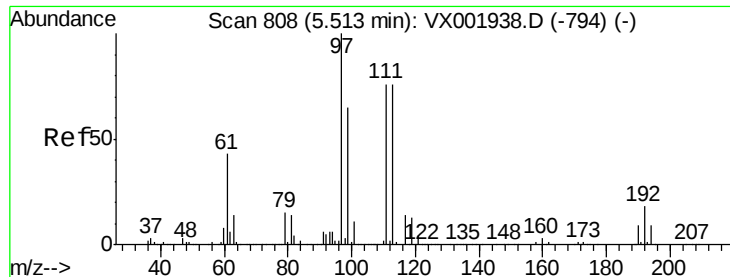
Tot Ion: 65 Resp: 174094
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002237.D
 Acq: 02 Jun 2018 14:09

Tgt Ion: 114 Resp: 298682
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 15.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 43.65 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

VX0602WBS01

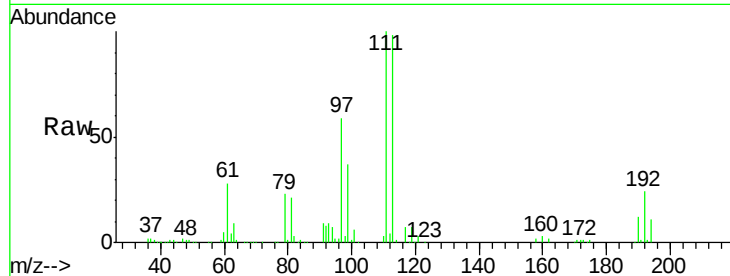
Tot Ion:113 Resp: 130366

Ion Ratio Lower Upper

113 100

111 101.5 82.0 123.0

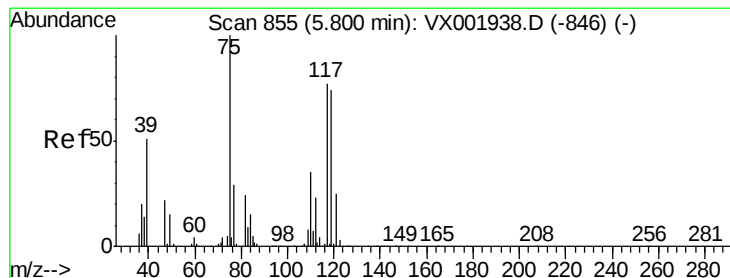
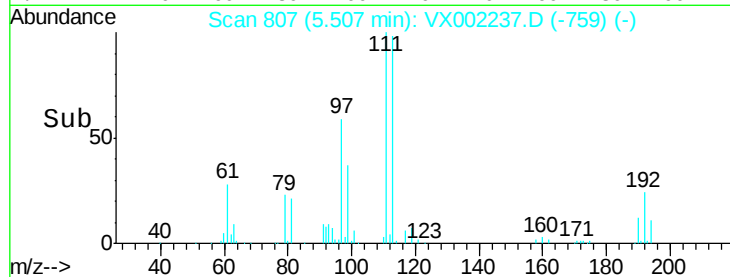
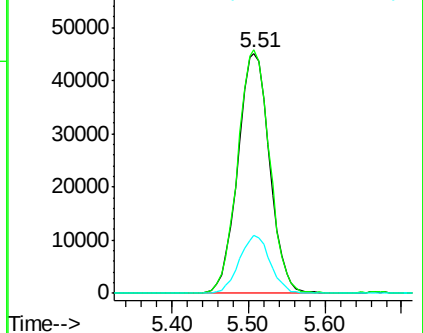
192 23.3 18.9 28.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.37 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

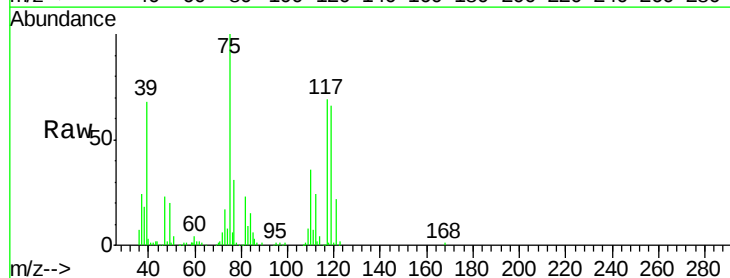
Tgt Ion: 75 Resp: 76300

Ion Ratio Lower Upper

75 100

110 35.4 17.4 52.2

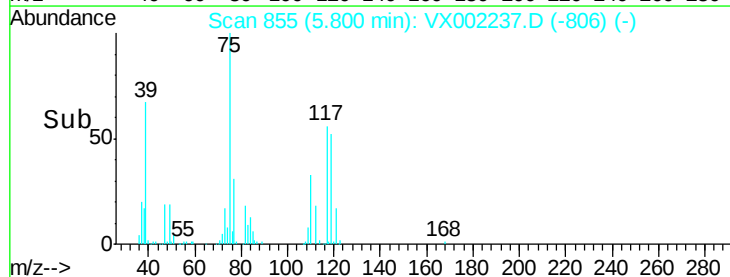
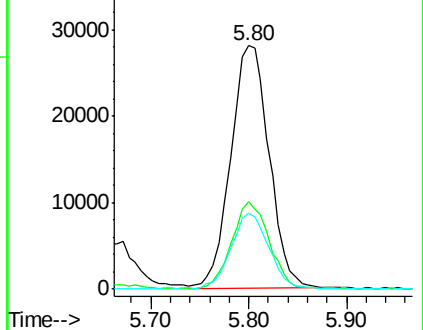
77 30.2 24.4 36.6

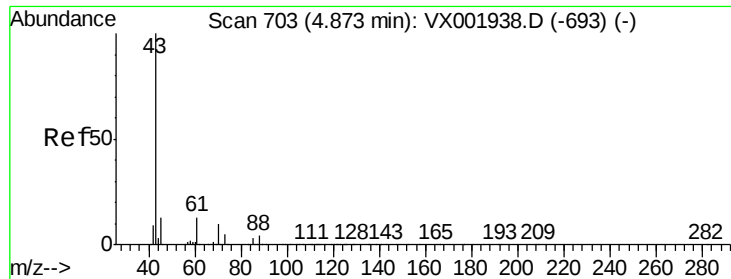


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

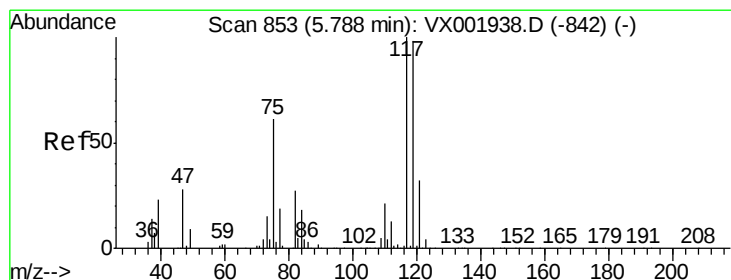
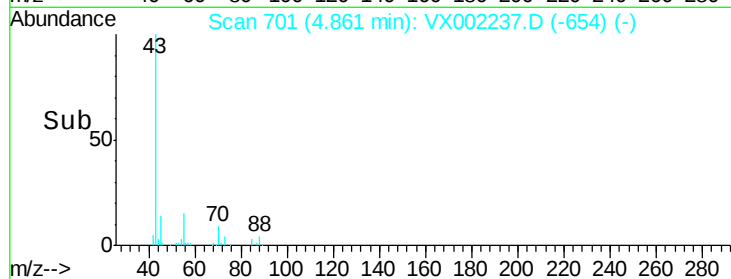
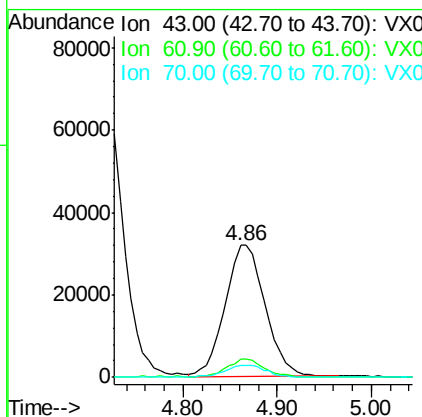
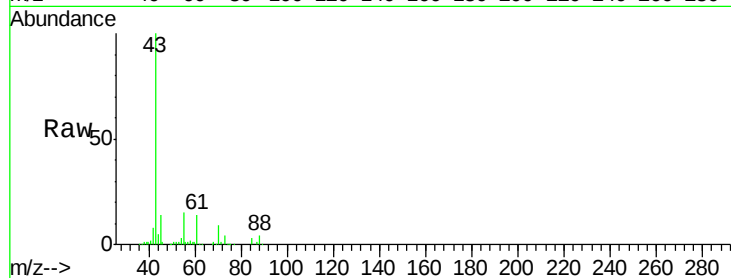




#37
Ethyl Acetate
Concen: 17.36 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002237.D
Acq: 02 Jun 2018 14:09

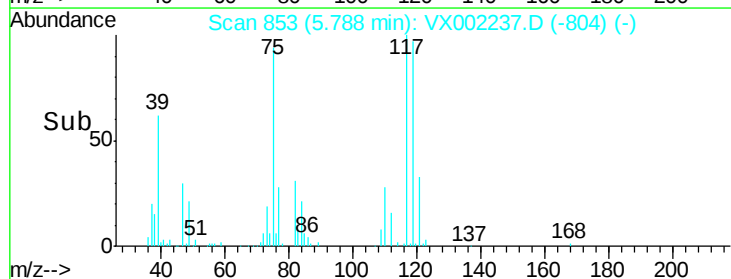
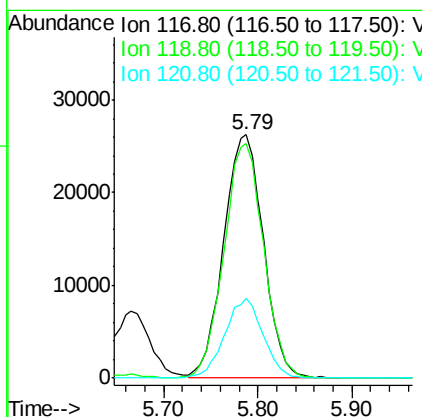
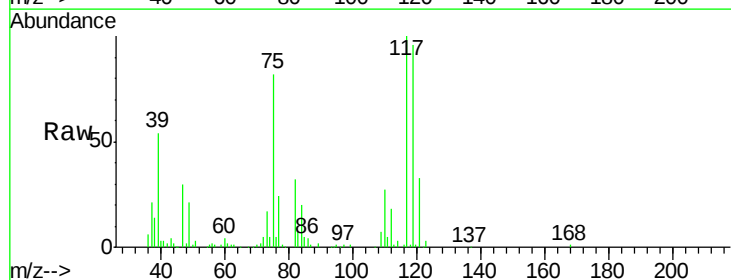
Instrument :
MSVOA_X
ClientSampleId :
VX0602WBS01

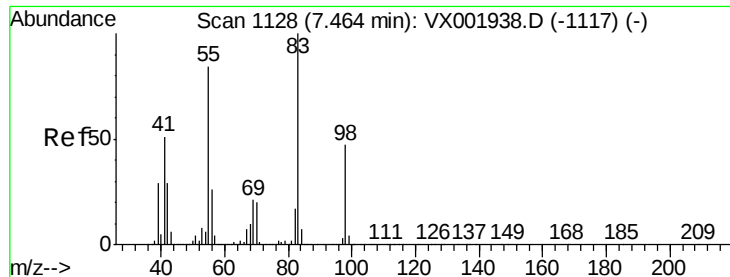
Tot Ion	43	Resp	94027
Ion Ratio	Lower	Upper	
43	100		
61	12.8	10.2	15.2
70	9.7	7.8	11.8



#38
Carbon Tetrachloride
Concen: 15.93 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002237.D
Acq: 02 Jun 2018 14:09

Tgt Ion	117	Resp	77177
Ion Ratio	Lower	Upper	
117	100		
119	96.3	78.5	117.7
121	32.7	25.5	38.3

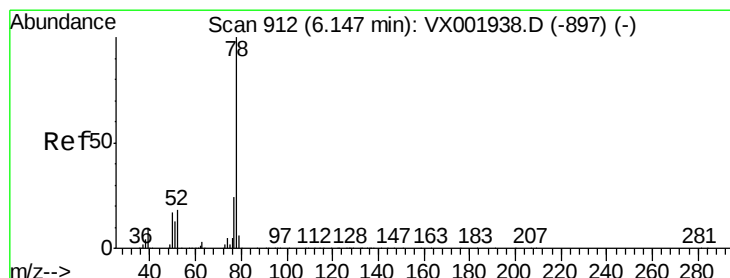
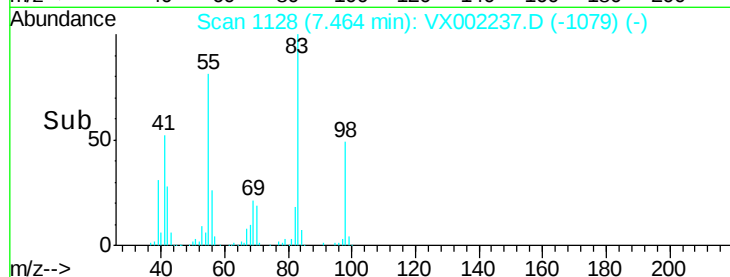
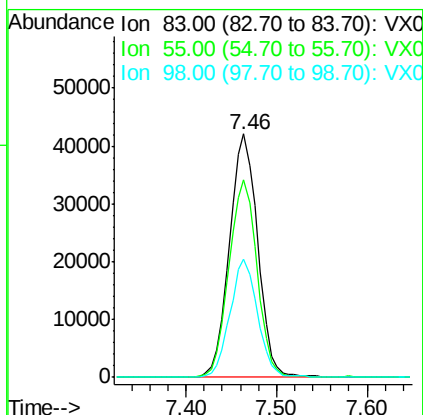
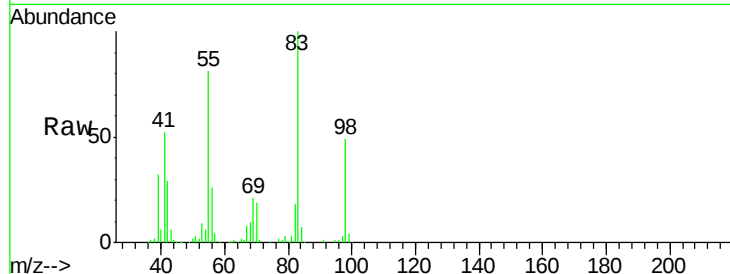




#39
Methvlcvclohexane
Concen: 17.87 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002237.D
Acq: 02 Jun 2018 14:09

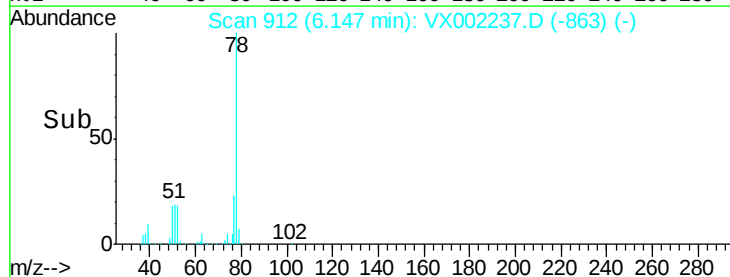
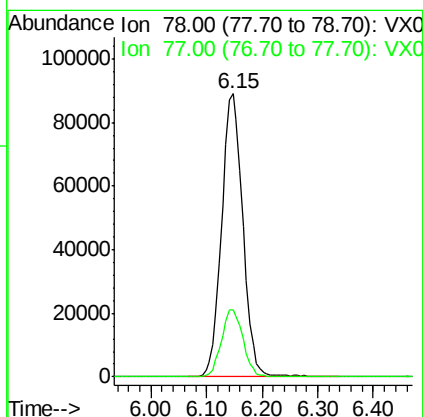
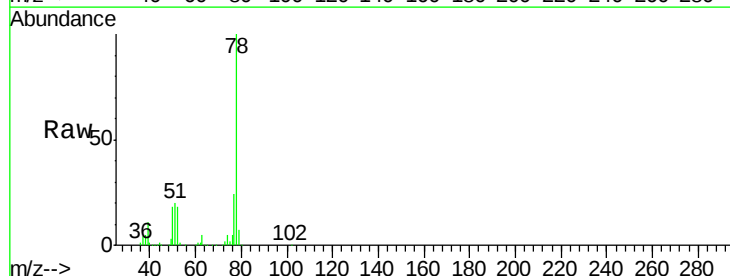
Instrument :
MSVOA_X
ClientSampled :
VX0602WBS01

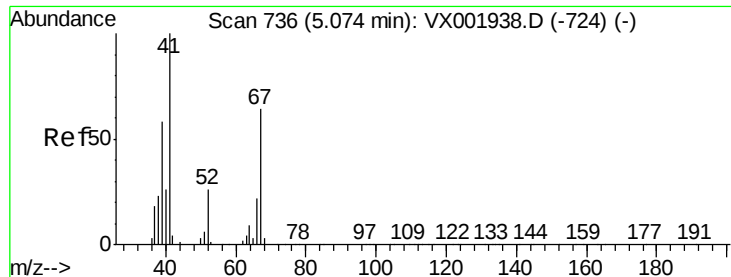
Tot Ion: 83 Resp: 91208
Ion Ratio Lower Upper
83 100
55 81.3 67.3 100.9
98 48.7 37.5 56.3



#40
Benzene
Concen: 19.34 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002237.D
Acq: 02 Jun 2018 14:09

Tgt Ion: 78 Resp: 235374
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7

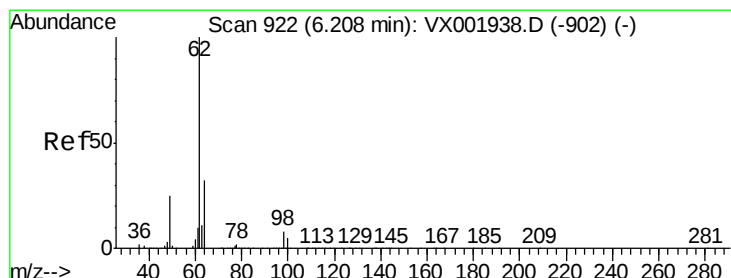
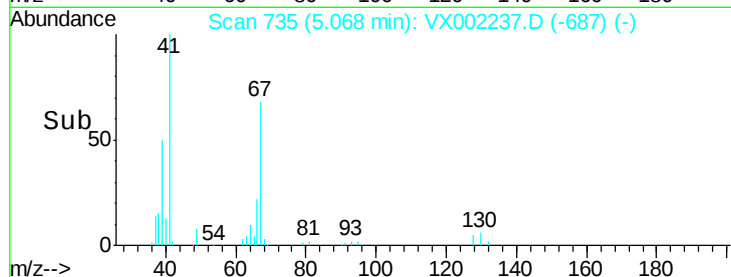
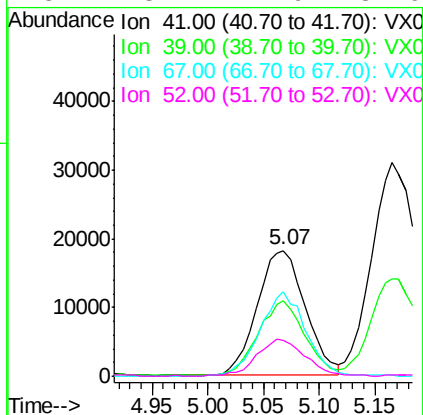
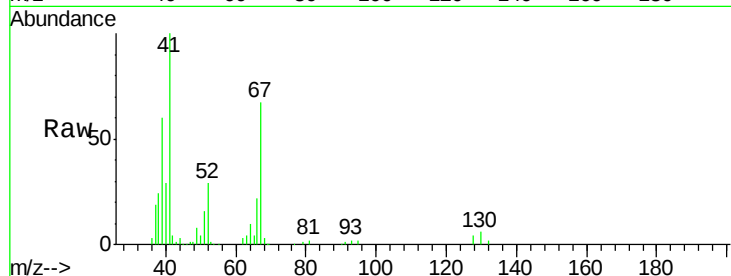




#41
Methacrylonitrile
Concen: 18.31 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX002237.D
Acq: 02 Jun 2018 14:09

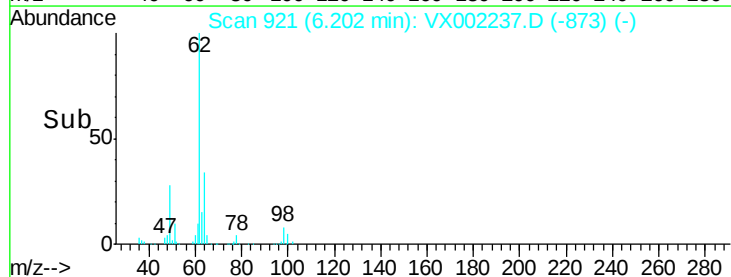
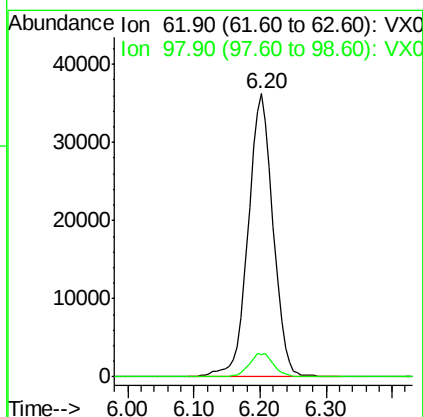
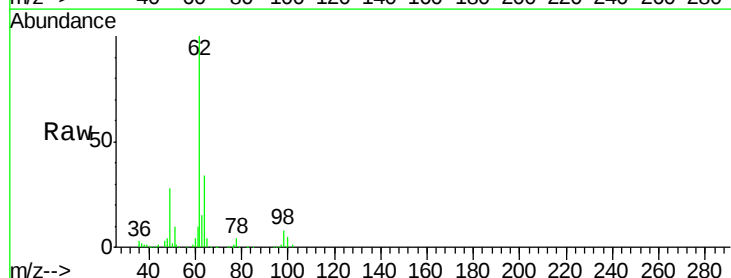
Instrument :
MSVOA_X
ClientSampleId :
VX0602WBS01

Tot Ion:	41	Resp:	54802
Ion	Ratio	Lower	Upper
41	100		
39	57.8	46.0	69.0
67	64.9	50.6	75.8
52	28.4	21.9	32.9



#42
1,2-Dichloroethane
Concen: 19.64 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002237.D
Acq: 02 Jun 2018 14:09

Tgt Ion:	62	Resp:	95506
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.0



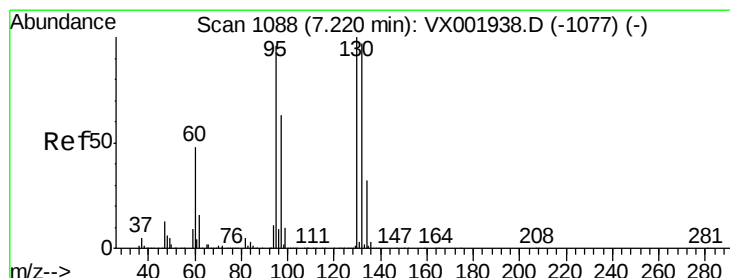
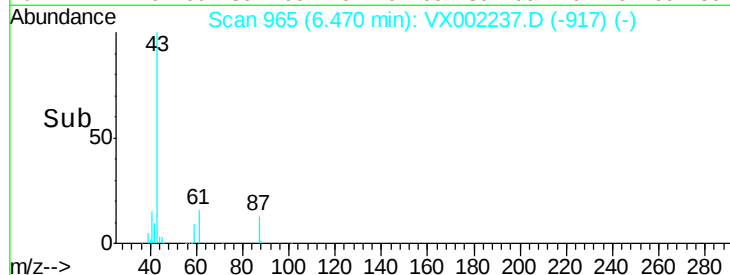
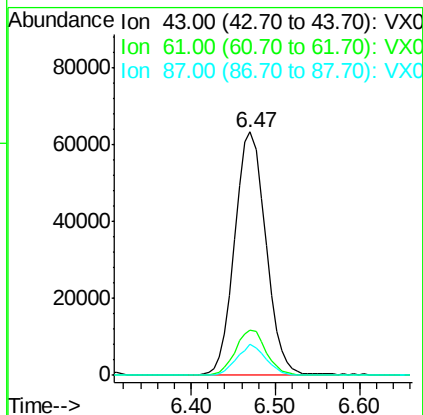
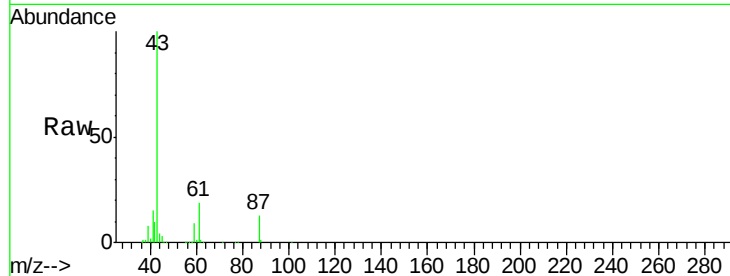


#43

Isopropyl Acetate
 Concen: 17.45 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX002237.D
 Acq: 02 Jun 2018 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0602WBS01

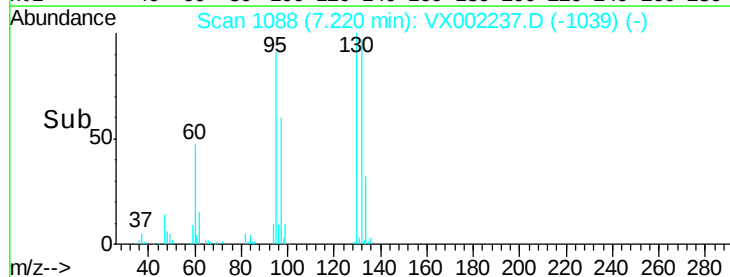
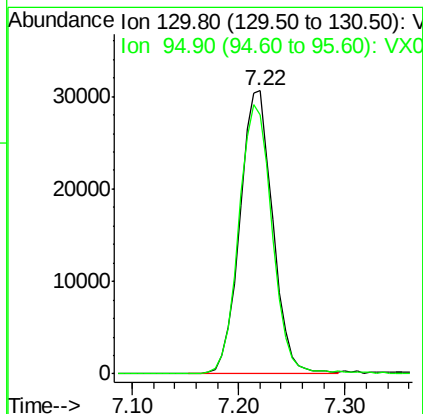
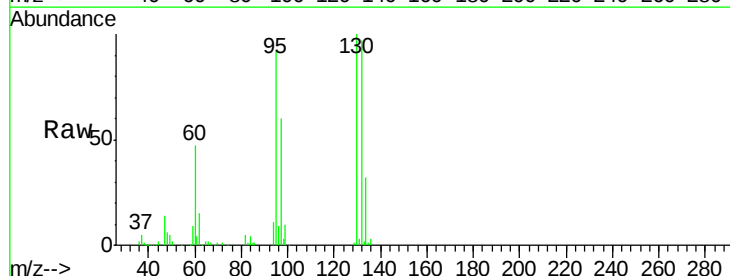
Tot Ion: 43 Resp: 157520
 Ion Ratio Lower Upper
 43 100
 61 18.4 14.5 21.7
 87 11.9 9.5 14.3



#44

Trichloroethene
 Concen: 18.71 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX002237.D
 Acq: 02 Jun 2018 14:09

Tgt Ion:130 Resp: 66345
 Ion Ratio Lower Upper
 130 100
 95 91.6 0.0 192.0





#45

1,2-Dichloropropane

Concen: 19.37 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

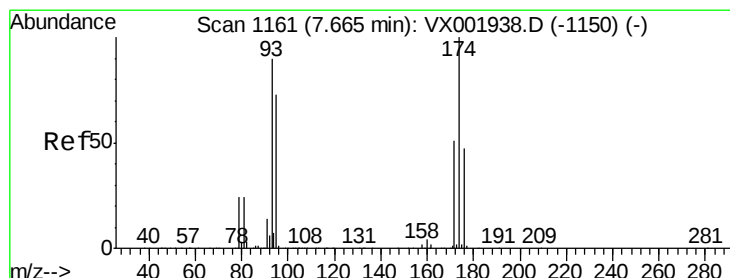
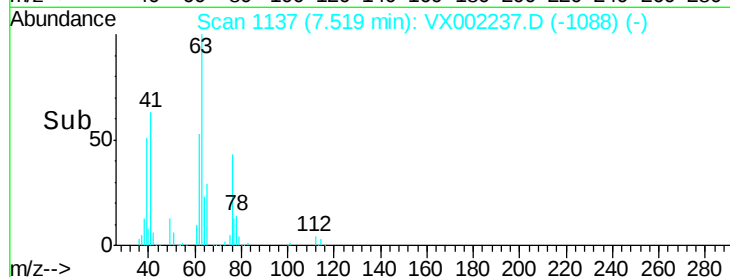
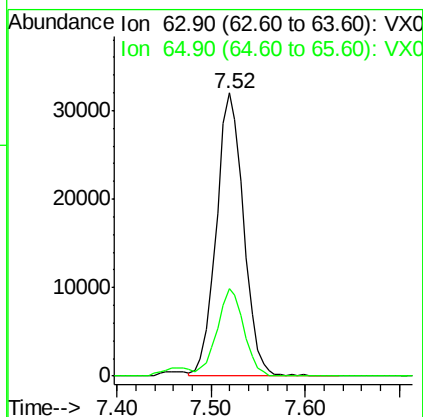
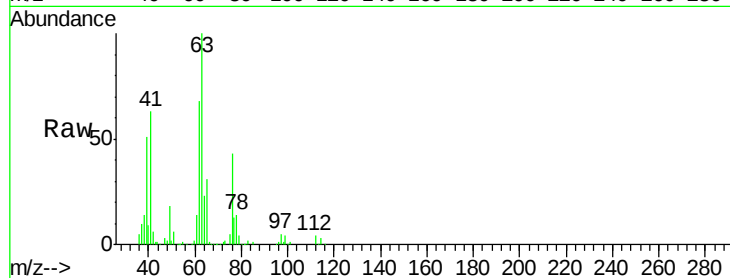
VX0602WBS01

Tot Ion: 63 Resp: 64037

Ion Ratio Lower Upper

63 100

65 30.7 24.1 36.1



#46

Dibromomethane

Concen: 19.30 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

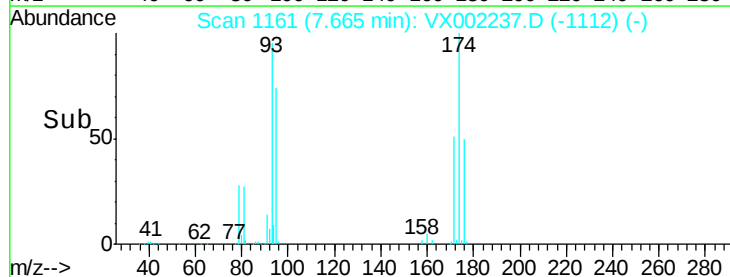
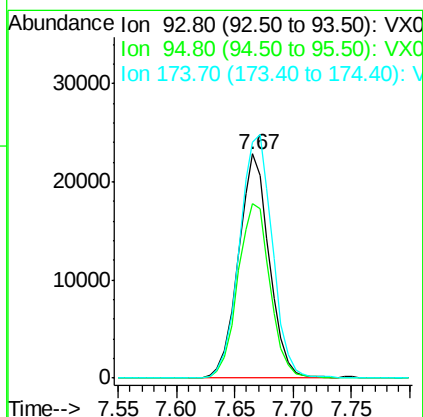
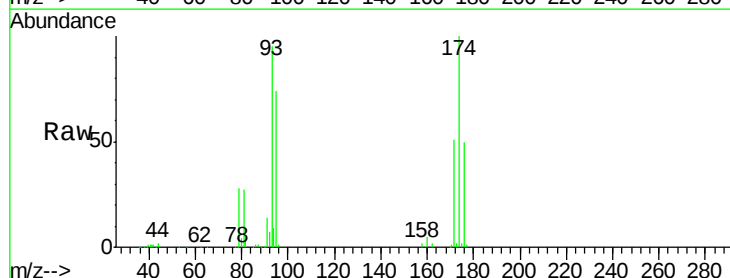
Tgt Ion: 93 Resp: 42244

Ion Ratio Lower Upper

93 100

95 81.6 66.1 99.1

174 115.2 92.5 138.7





#47

Bromodichloromethane

Concen: 16.23 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

VX0602WBS01

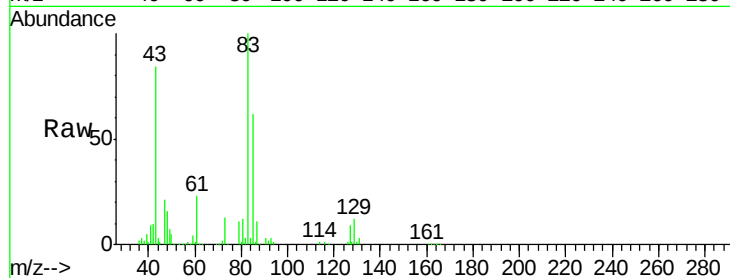
Tot Ion: 83 Resp: 75753

Ion Ratio Lower Upper

83 100

85 62.3 51.4 77.2

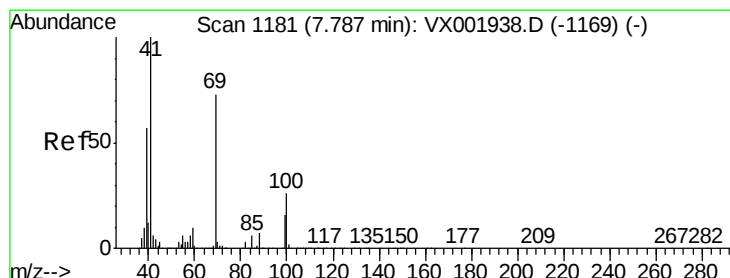
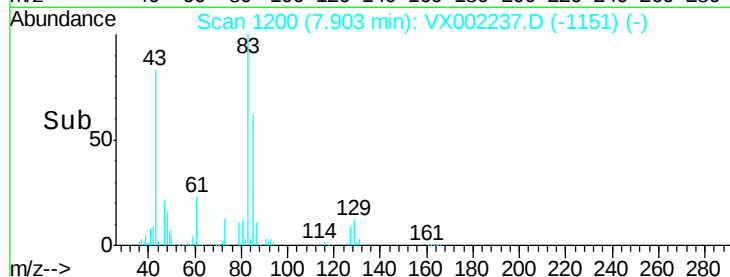
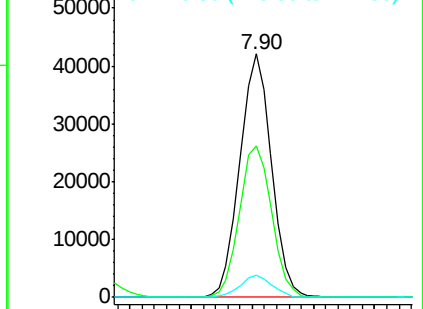
127 9.3 7.1 10.7



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: 17.44 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

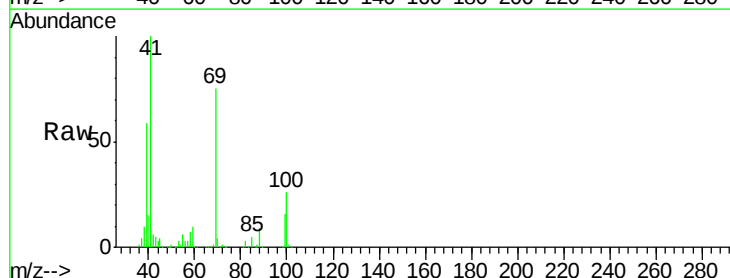
Tgt Ion: 41 Resp: 80095

Ion Ratio Lower Upper

41 100

69 74.8 58.6 87.8

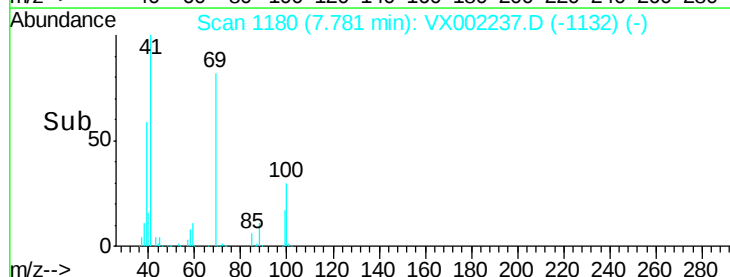
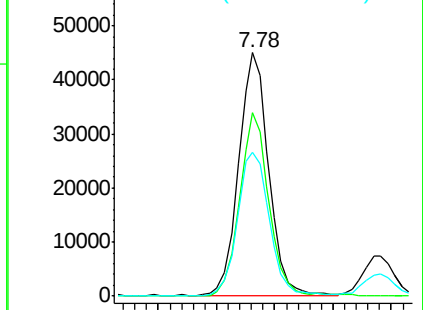
39 62.5 46.3 69.5

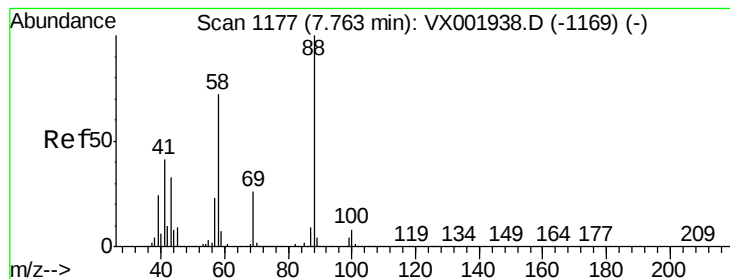


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 387.24 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

VX0602WBS01

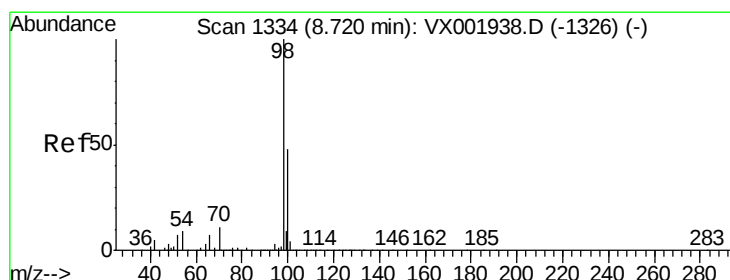
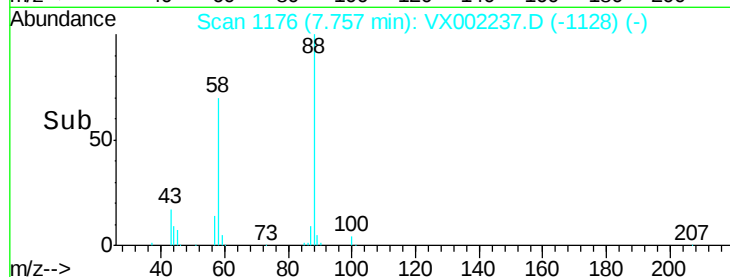
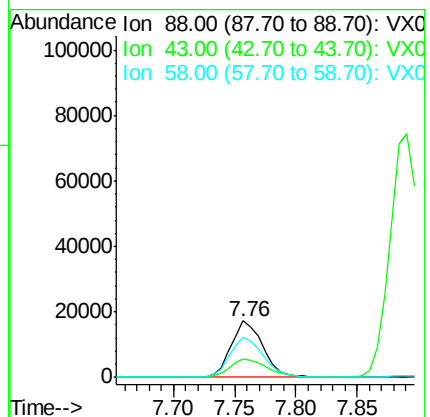
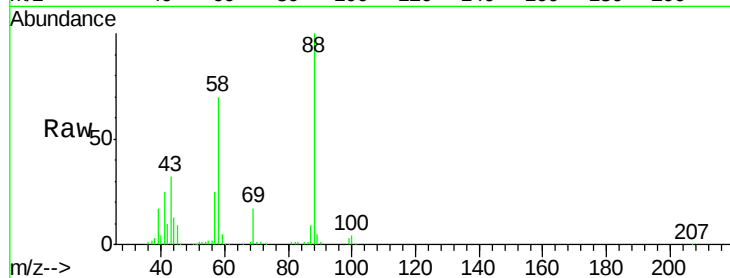
Tot Ion: 88 Resp: 31344

Ion Ratio Lower Upper

88 100

43 36.2 29.8 44.8

58 75.0 58.7 88.1



#50

Toluene-d8

Concen: 46.96 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002237.D

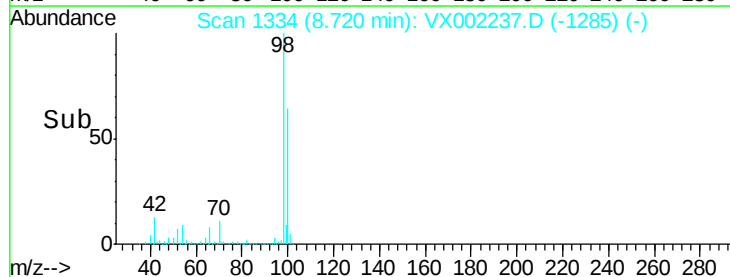
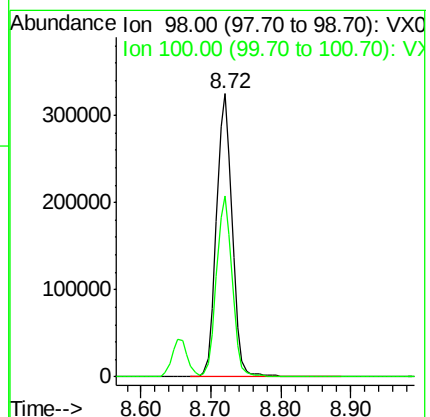
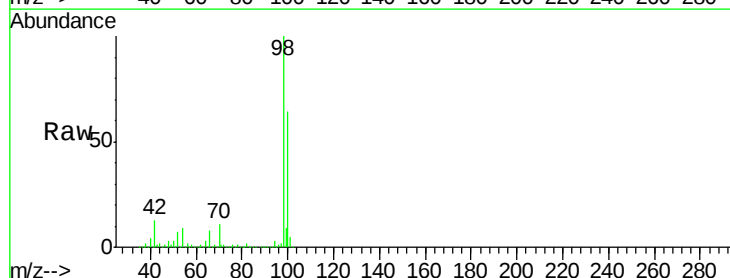
Acq: 02 Jun 2018 14:09

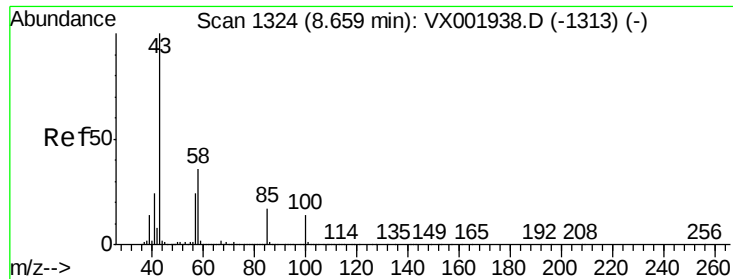
Tgt Ion: 98 Resp: 507826

Ion Ratio Lower Upper

98 100

100 64.0 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 95.22 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

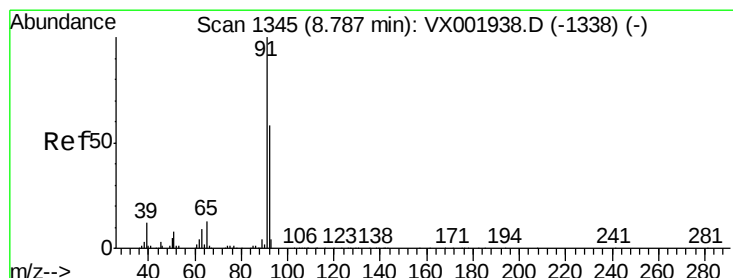
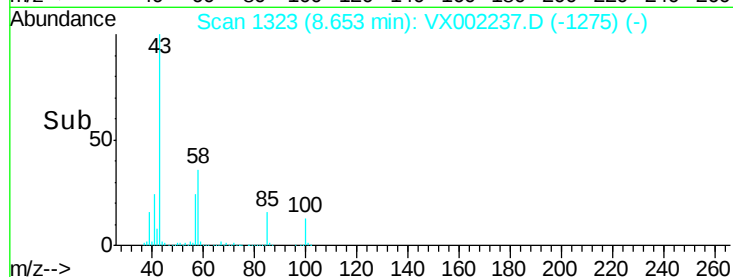
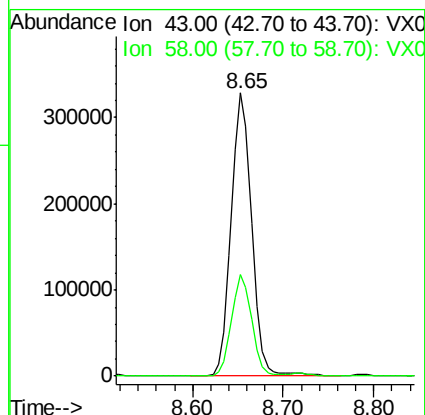
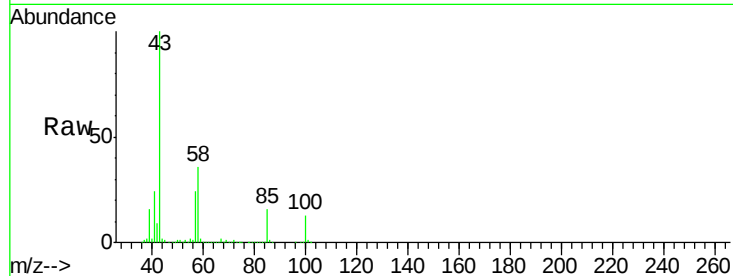
VX0602WBS01

Tot Ion: 43 Resp: 518035

Ion Ratio Lower Upper

43 100

58 35.0 28.5 42.7



#52

Toluene

Concen: 19.68 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002237.D

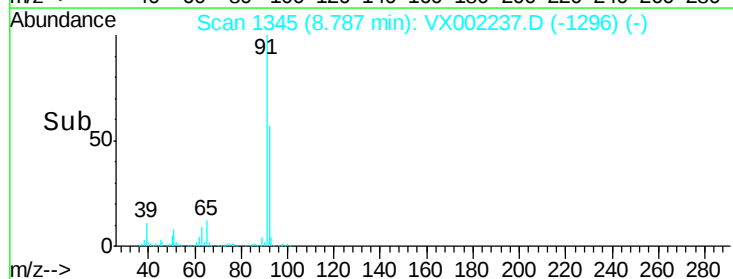
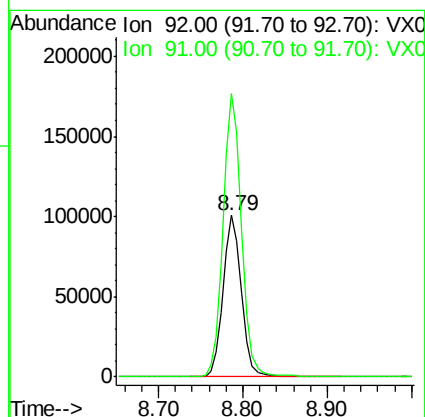
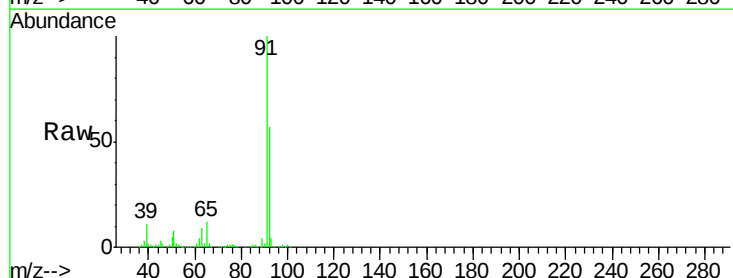
Acq: 02 Jun 2018 14:09

Tgt Ion: 92 Resp: 152472

Ion Ratio Lower Upper

92 100

91 176.5 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 17.32 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

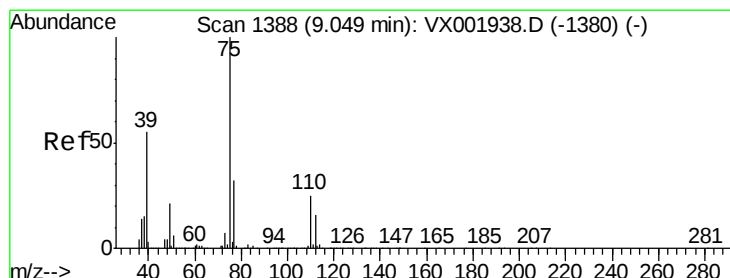
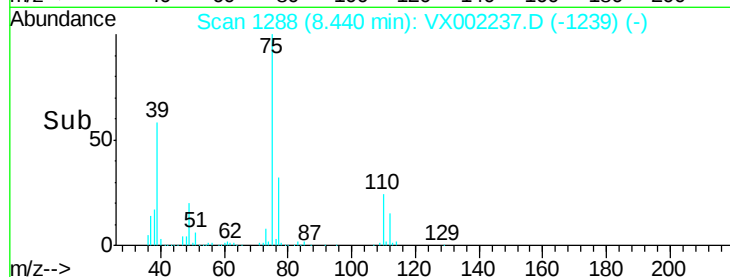
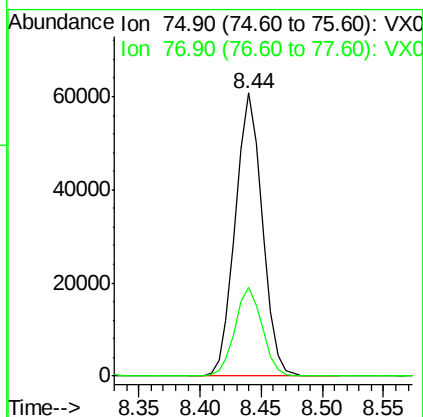
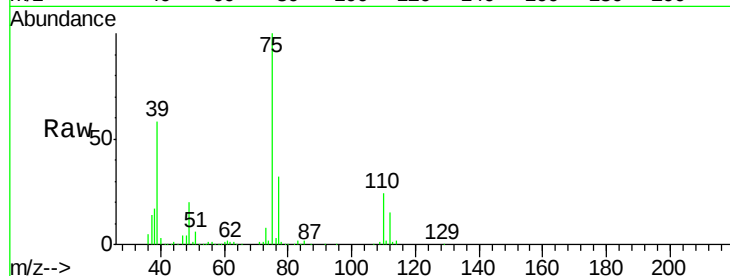
VX0602WBS01

Tot Ion: 75 Resp: 93075

Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 16.14 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

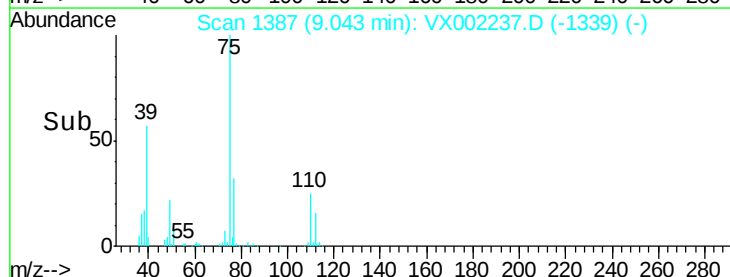
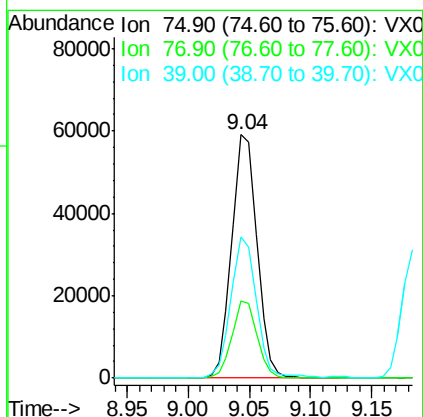
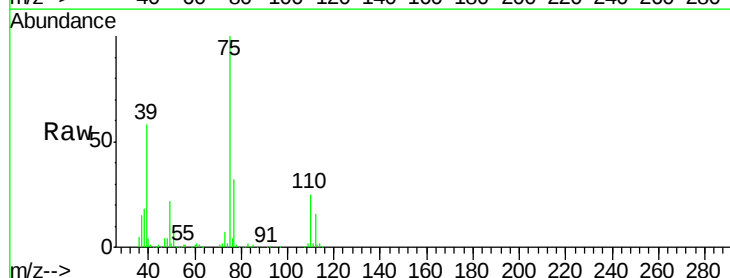
Tgt Ion: 75 Resp: 84527

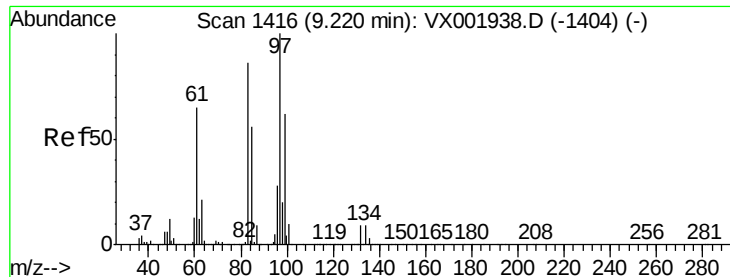
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 57.5 44.1 66.1

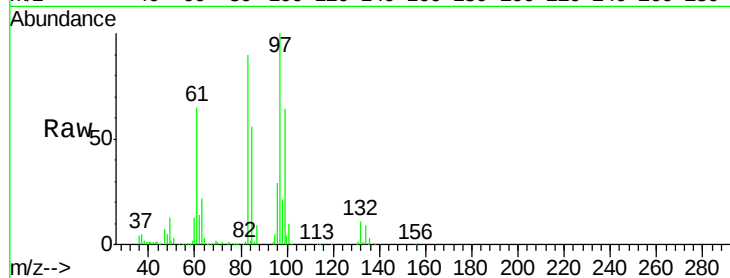




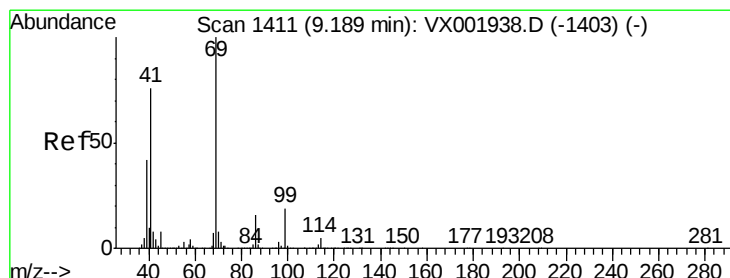
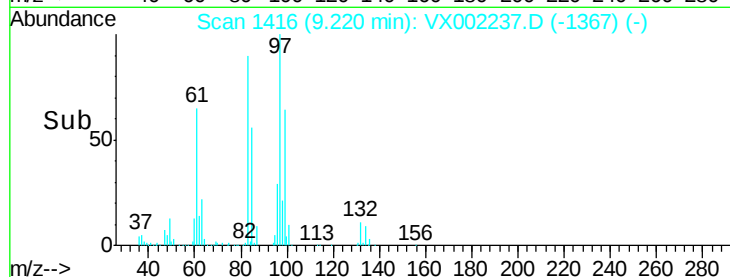
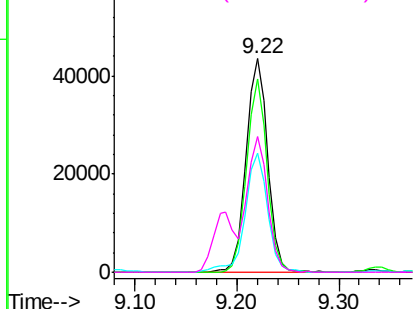
#55
 1,1,2-Trichloroethane
 Concen: 19.84 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002237.D
 Acq: 02 Jun 2018 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0602WBS01

Tot Ion:	97	Resp:	64191
Ion	Ratio	Lower	Upper
97	100		
83	90.2	69.1	103.7
85	55.8	45.2	67.8
99	63.8	49.6	74.4

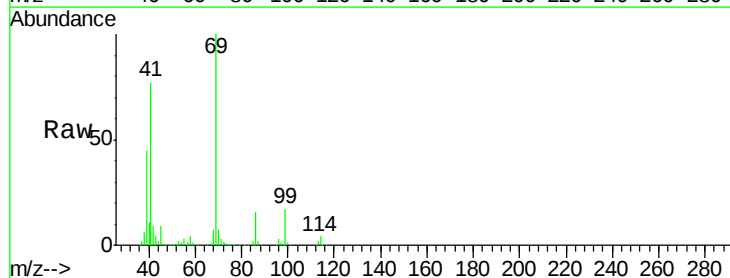


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

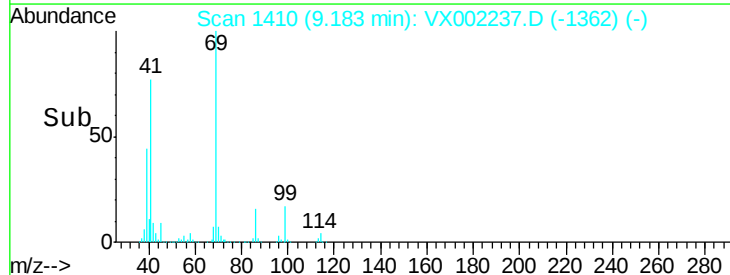
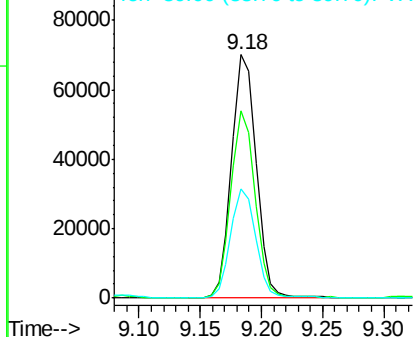


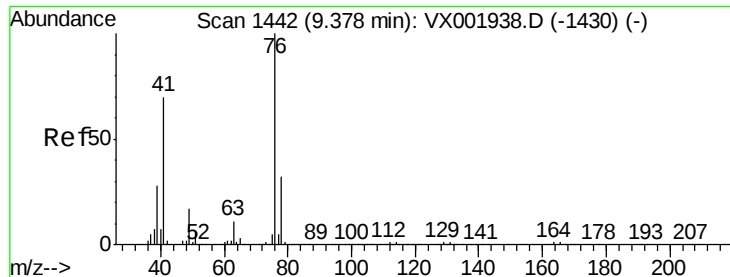
#56
 Ethyl methacrylate
 Concen: 17.62 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX002237.D
 Acq: 02 Jun 2018 14:09

Tgt Ion:	69	Resp:	98065
Ion	Ratio	Lower	Upper
69	100		
41	75.3	61.0	91.6
39	45.7	34.4	51.6



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: 19.87 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

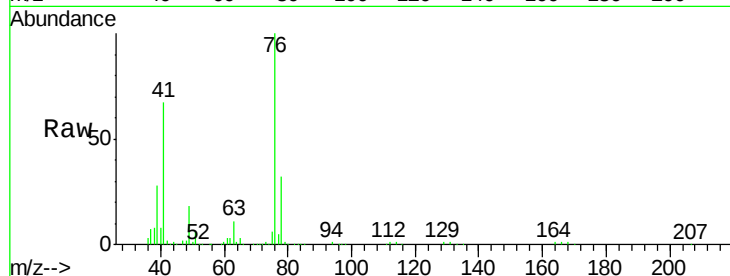
VX0602WBS01

Tot Ion: 76 Resp: 105938

Ion Ratio Lower Upper

76 100

78 32.5 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

80000

60000

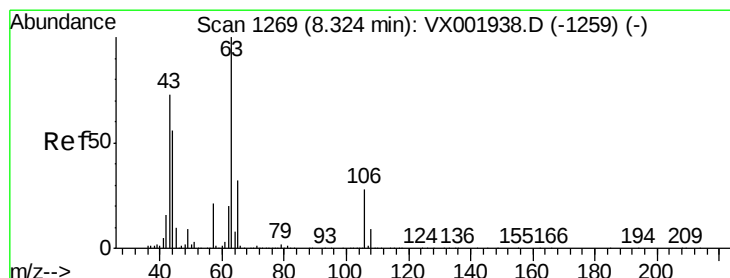
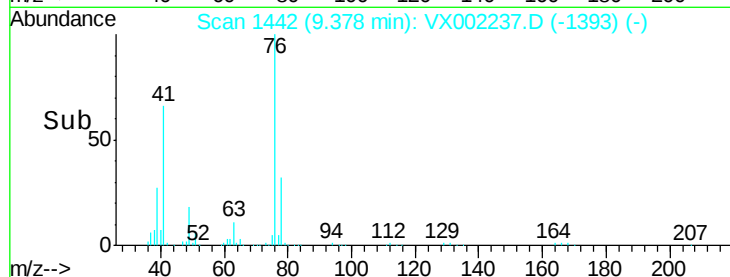
40000

20000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 85.63 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002237.D

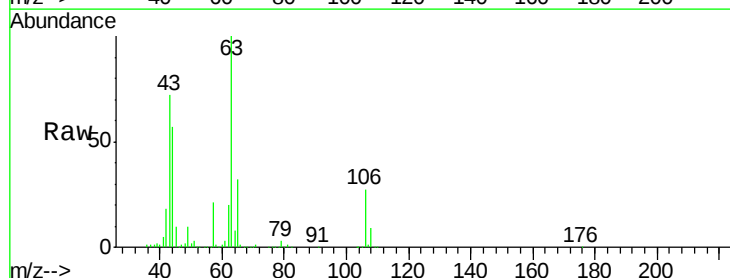
Acq: 02 Jun 2018 14:09

Tgt Ion: 63 Resp: 211245

Ion Ratio Lower Upper

63 100

106 27.5 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

150000

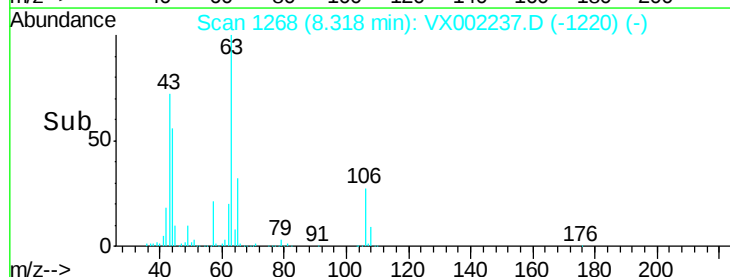
100000

50000

0

8.20 8.30 8.40

Time-->

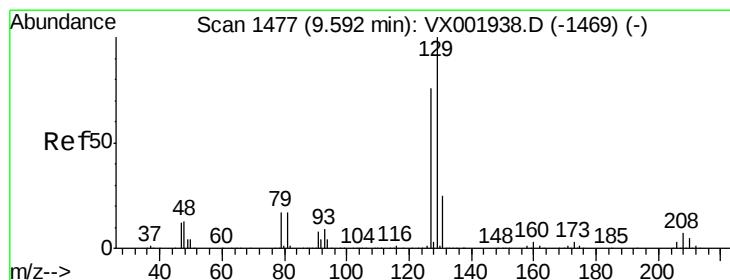
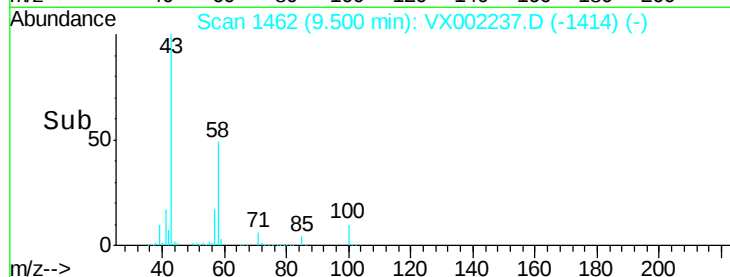
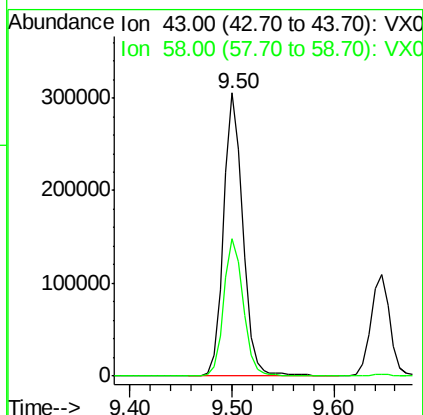
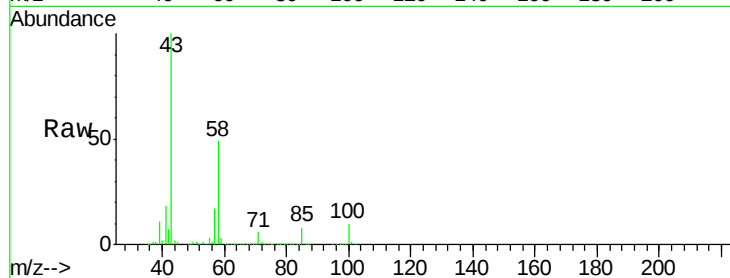




#59
2-Hexanone
Concen: 95.66 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002237.D
Acq: 02 Jun 2018 14:09

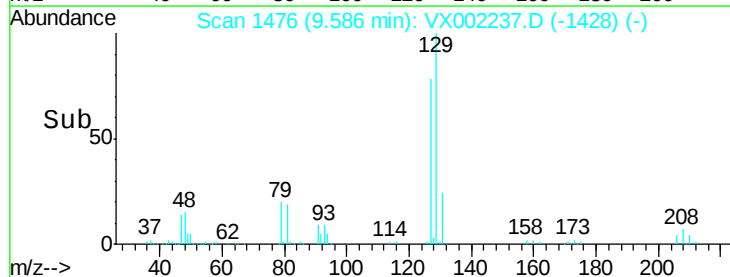
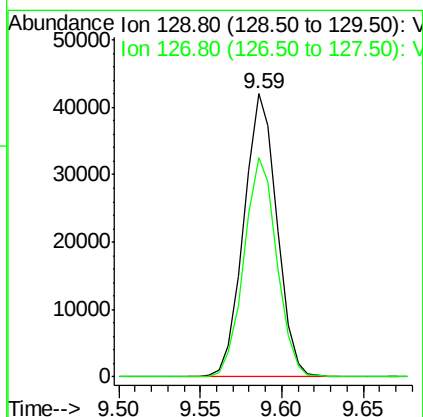
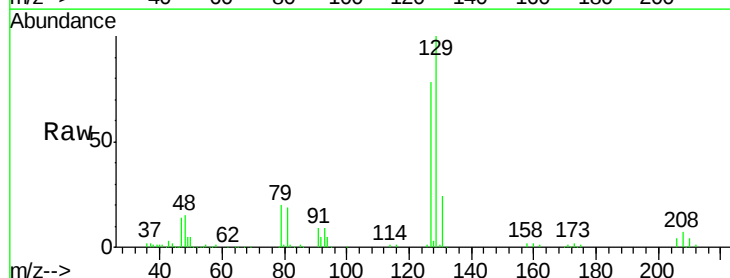
Instrument :
MSVOA_X
ClientSampleId :
VX0602WBS01

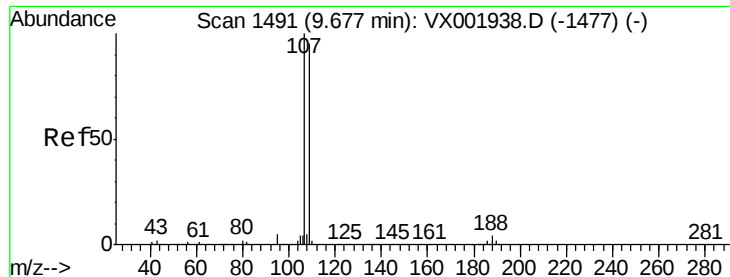
Tot Ion: 43 Resp: 401258
Ion Ratio Lower Upper
43 100
58 49.3 24.9 74.6



#60
Dibromochloromethane
Concen: 15.51 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002237.D
Acq: 02 Jun 2018 14:09

Tgt Ion: 129 Resp: 59440
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.9

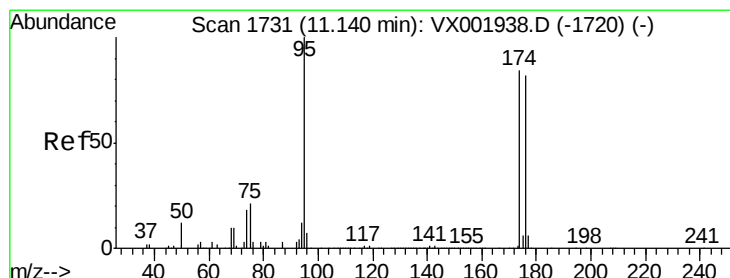
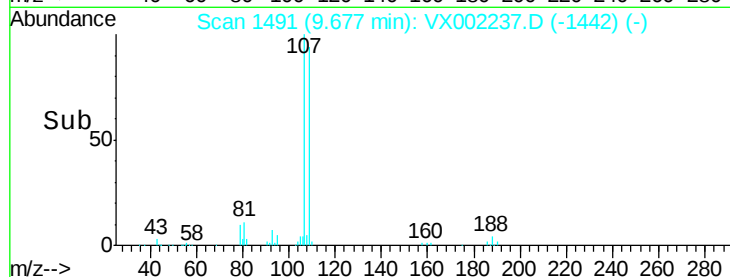
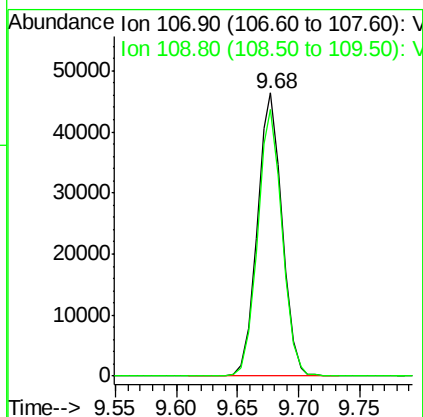
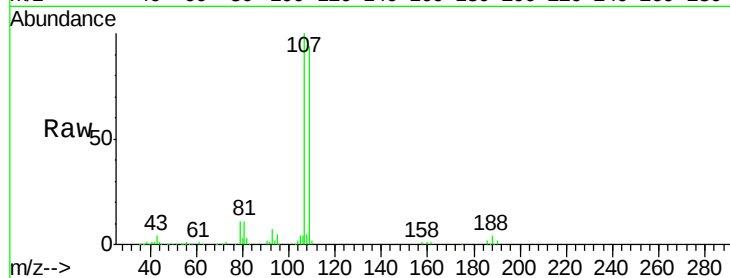




#61
 1,2-Dibromoethane
 Concen: 19.32 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX002237.D
 Acq: 02 Jun 2018 14:09

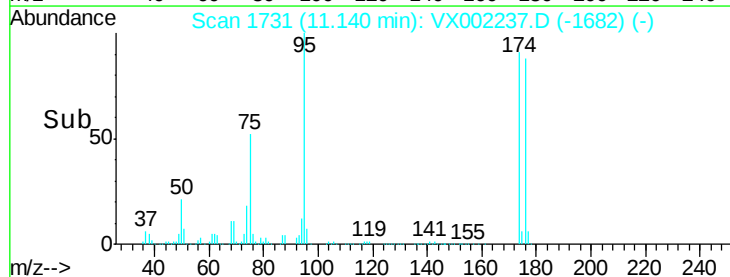
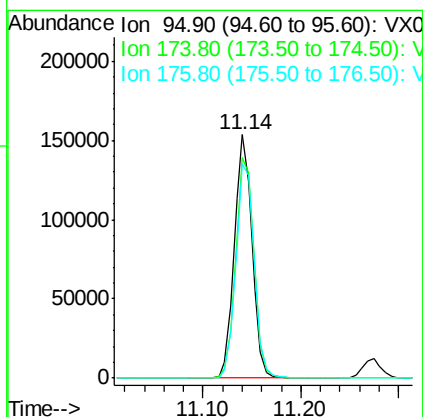
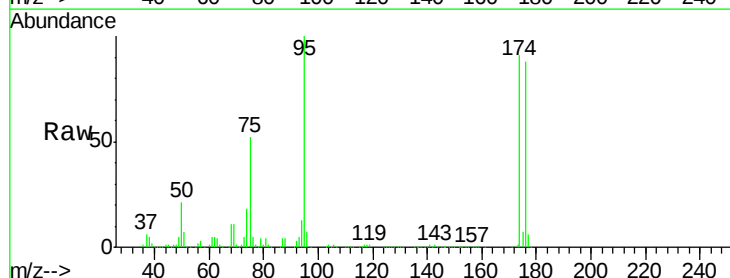
Instrument :
 MSVOA_X
 ClientSampled :
 VX0602WBS01

Tot Ion:107 Resp: 65606
 Ion Ratio Lower Upper
 107 100
 109 93.3 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 45.68 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX002237.D
 Acq: 02 Jun 2018 14:09

Tgt Ion: 95 Resp: 193251
 Ion Ratio Lower Upper
 95 100
 174 93.7 0.0 178.8
 176 90.8 0.0 175.6

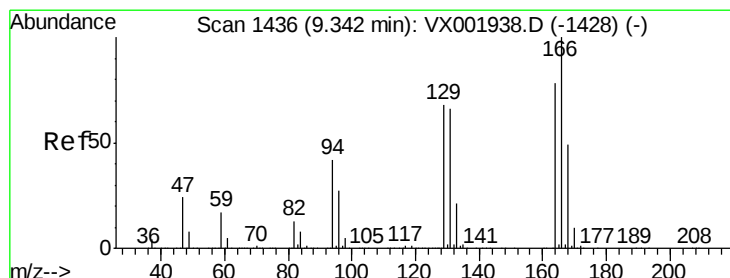
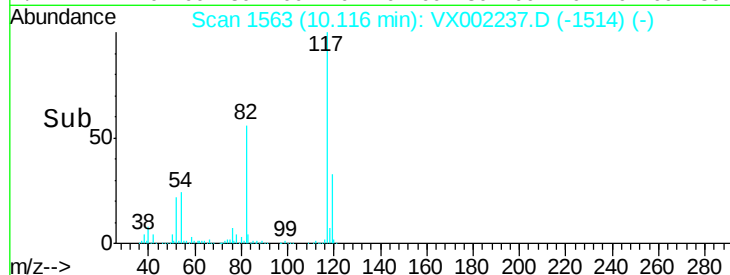
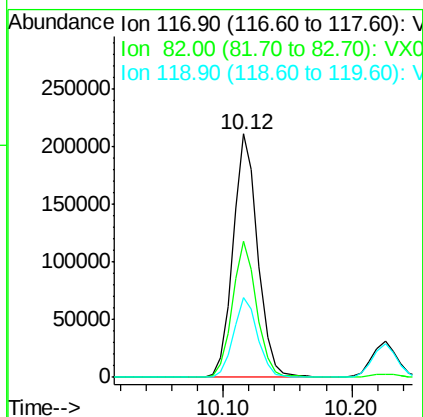
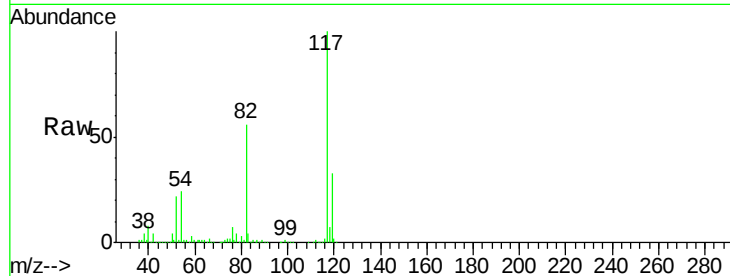




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002237.D
Acq: 02 Jun 2018 14:09

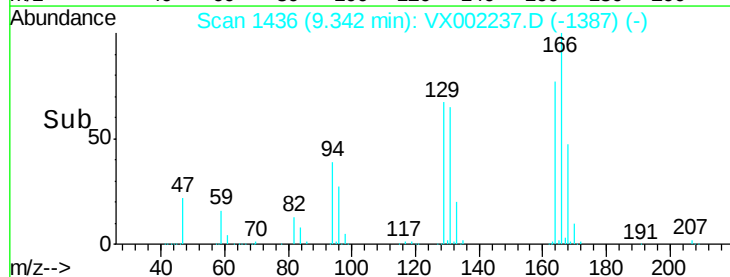
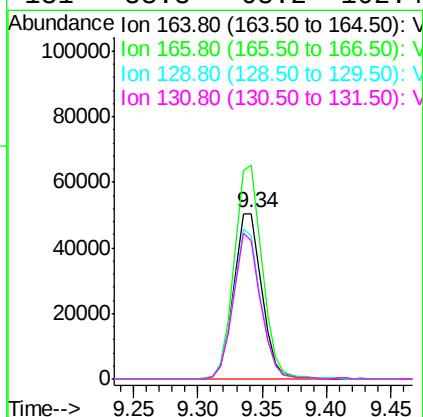
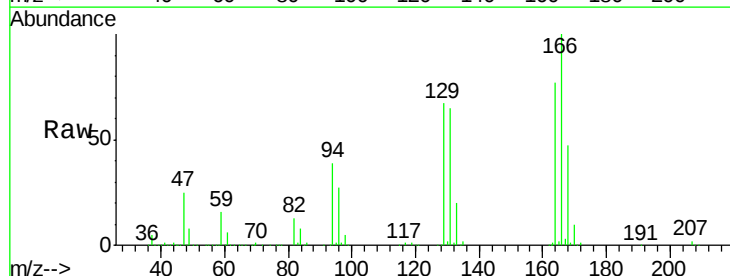
Instrument :
MSVOA_X
ClientSampleId :
VX0602WBS01

Tot Ion:117 Resp: 282412
Ion Ratio Lower Upper
117 100
82 55.8 44.8 67.2
119 32.9 25.5 38.3



#64
Tetrachloroethene
Concen: 18.99 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX002237.D
Acq: 02 Jun 2018 14:09

Tgt Ion:164 Resp: 76876
Ion Ratio Lower Upper
164 100
166 129.1 102.7 154.1
129 86.7 70.3 105.5
131 83.8 68.2 102.4





#65

Chlorobenzene

Concen: 19.90 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampled :

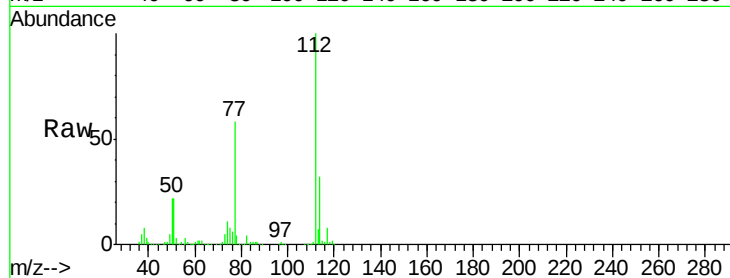
VX0602WBS01

Tot Ion:112 Resp: 178071

Ion Ratio Lower Upper

112 100

114 31.5 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

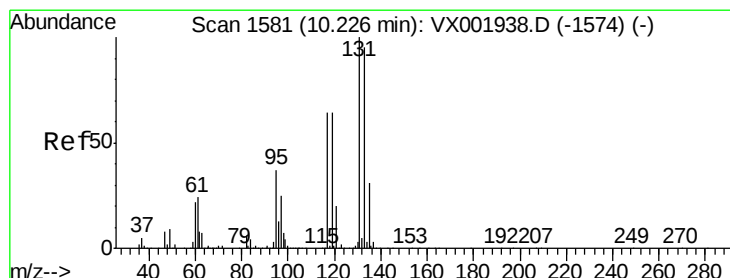
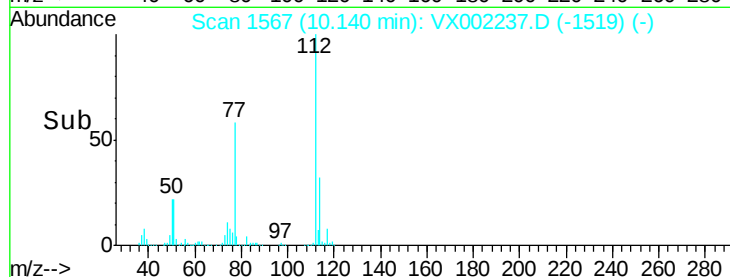
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 16.97 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

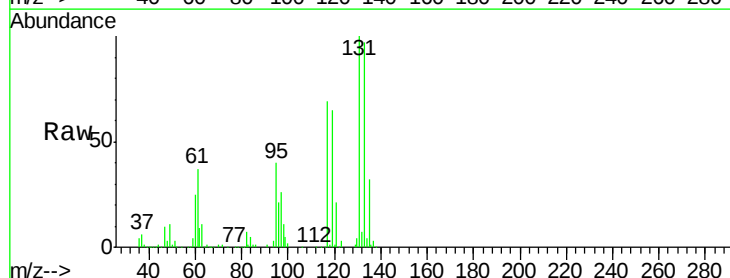
Tgt Ion:131 Resp: 61296

Ion Ratio Lower Upper

131 100

133 97.6 48.0 144.0

119 63.0 31.9 95.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

60000

50000

40000

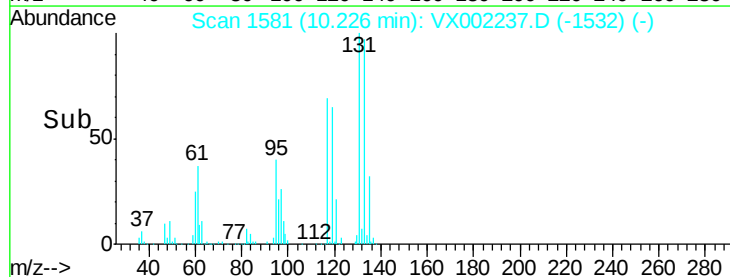
30000

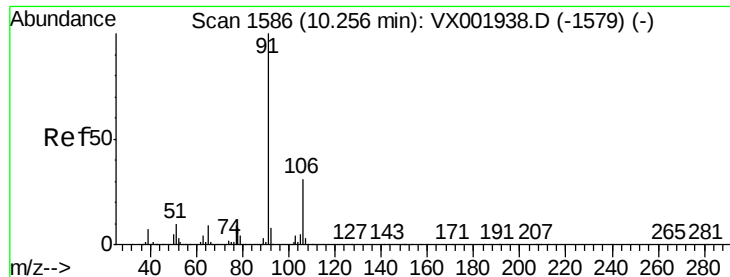
20000

10000

0

Time-->





#67

Ethyl Benzene

Concen: 19.33 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

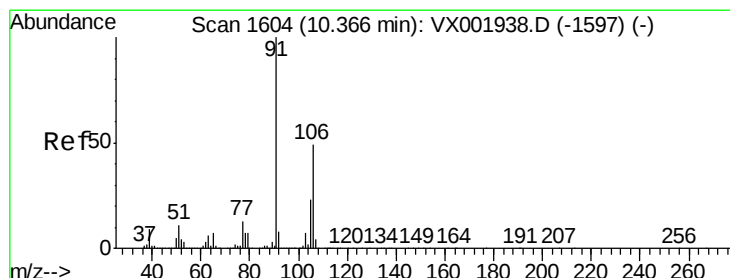
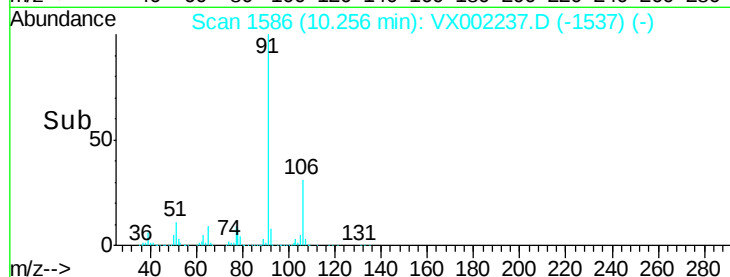
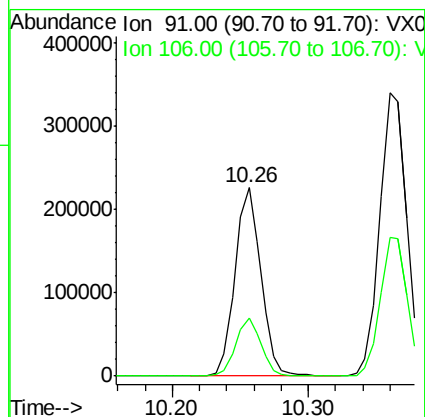
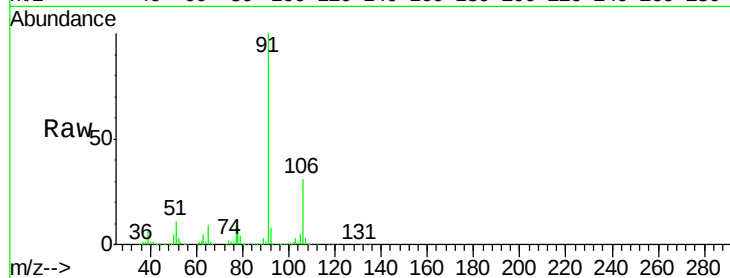
VX0602WBS01

Tot Ion: 91 Resp: 300473

Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.6



#68

m/p-Xylenes

Concen: 39.19 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002237.D

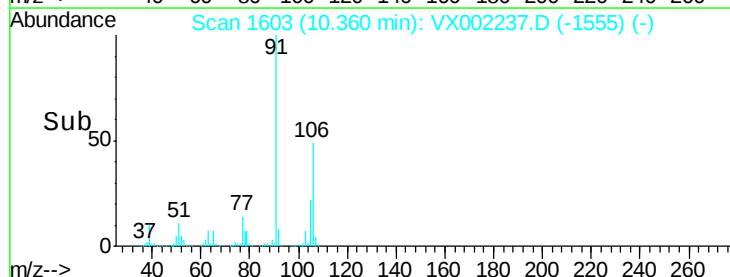
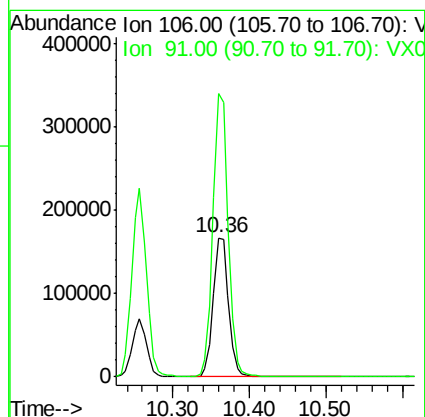
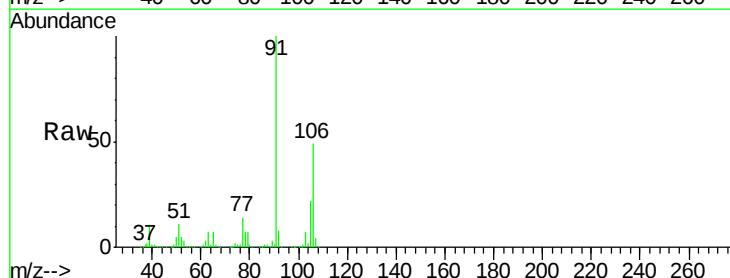
Acq: 02 Jun 2018 14:09

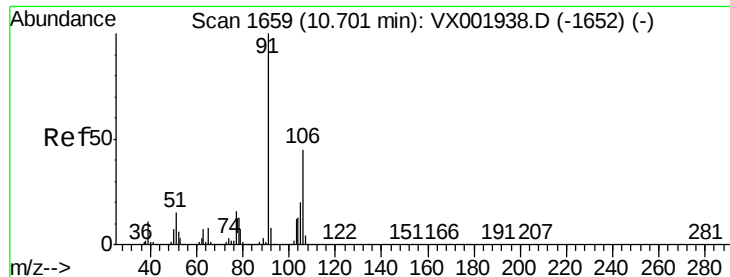
Tgt Ion: 106 Resp: 232888

Ion Ratio Lower Upper

106 100

91 203.5 165.0 247.6

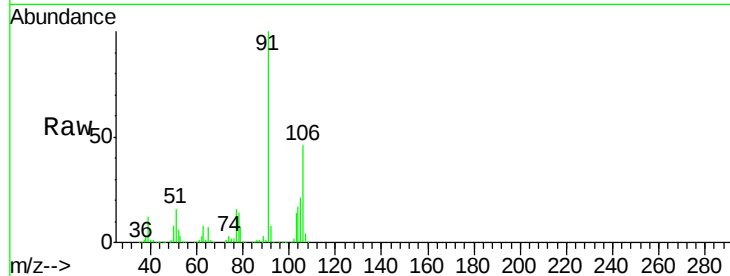




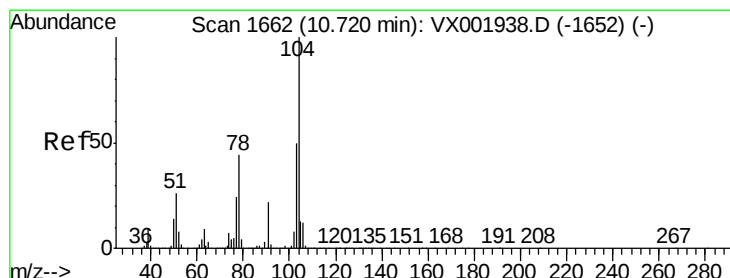
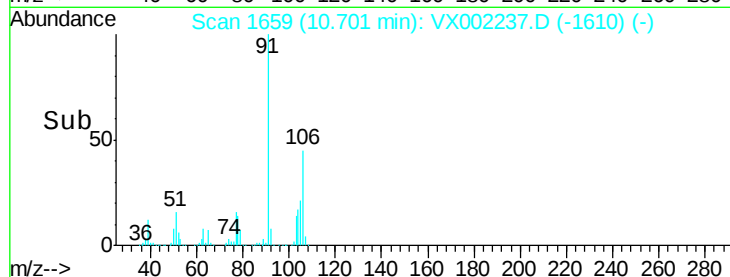
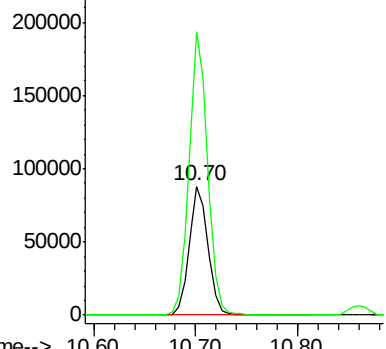
#69
o-Xylene
Concen: 19.24 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002237.D
Acq: 02 Jun 2018 14:09

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBS01

Tot Ion:106 Resp: 114164
Ion Ratio Lower Upper
106 100
91 217.7 108.7 325.9

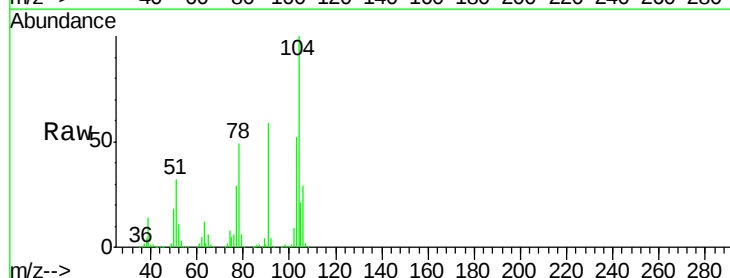


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

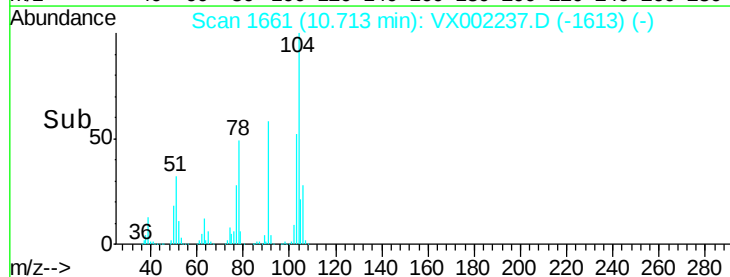
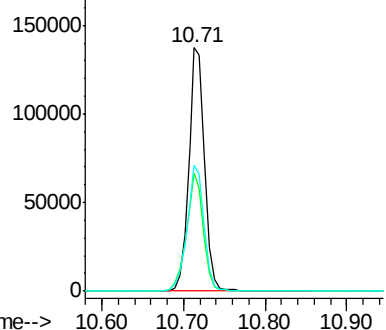


#70
Styrene
Concen: 19.06 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX002237.D
Acq: 02 Jun 2018 14:09

Tgt Ion:104 Resp: 187594
Ion Ratio Lower Upper
104 100
78 51.7 41.8 62.6
103 55.7 44.6 67.0



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: 12.84 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

VX0602WBS01

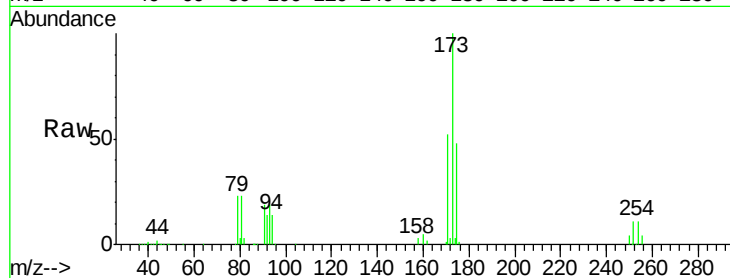
Tot Ion:173 Resp: 43996

Ion Ratio Lower Upper

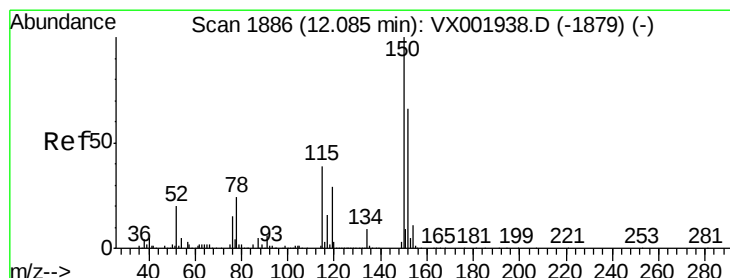
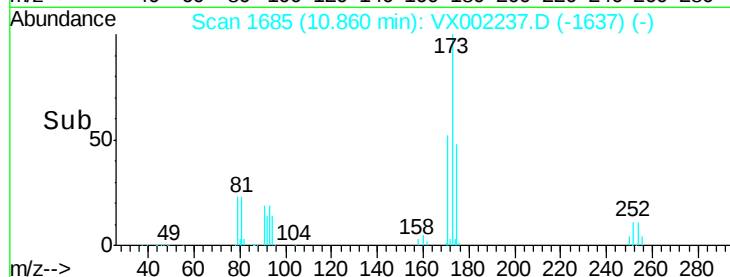
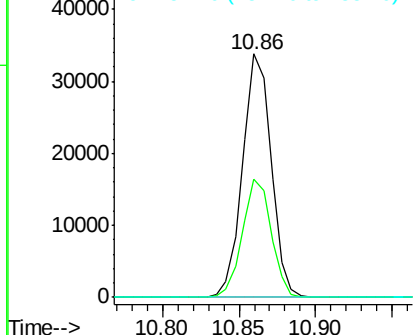
173 100

175 49.1 24.3 72.9

254 0.0 0.1 0.1#



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: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

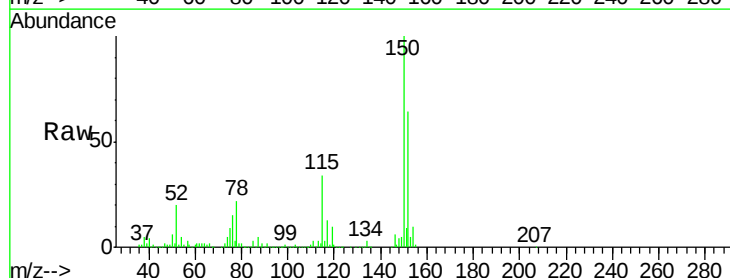
Tgt Ion:152 Resp: 192228

Ion Ratio Lower Upper

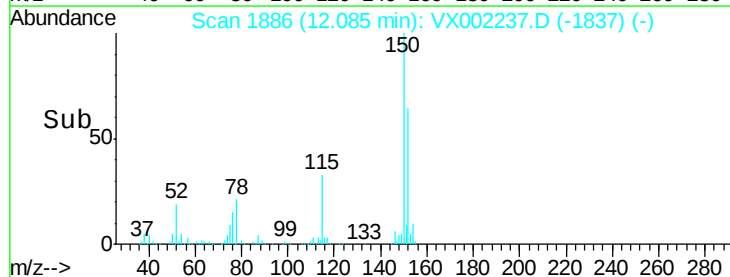
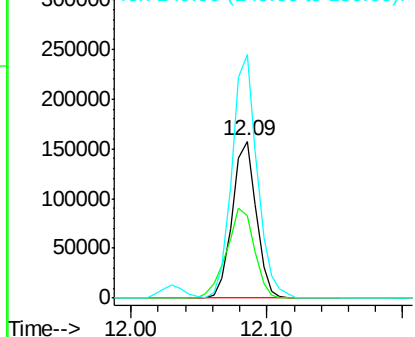
152 100

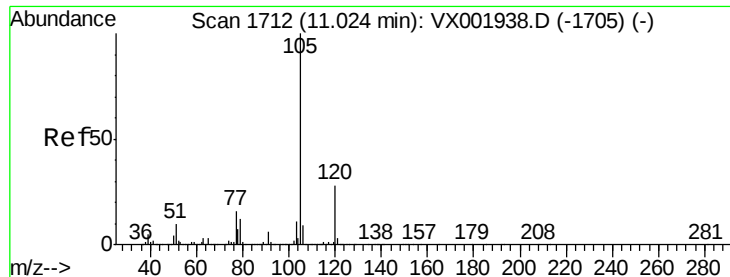
115 66.6 42.3 126.8

150 164.0 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.01 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampled :

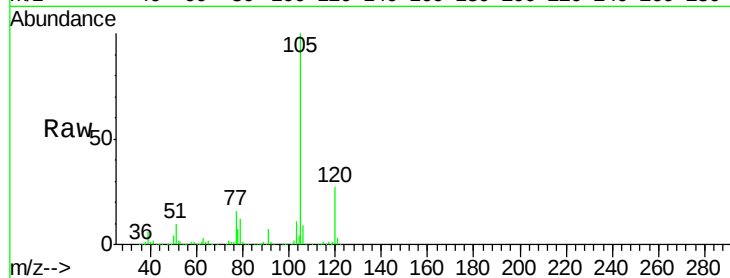
VX0602WBS01

Tot Ion:105 Resp: 309385

Ion Ratio Lower Upper

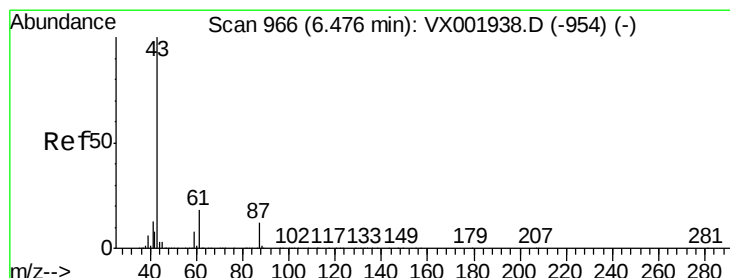
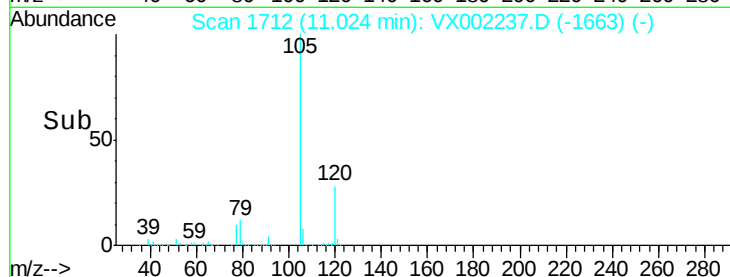
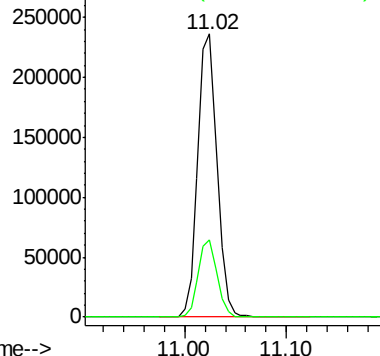
105 100

120 26.8 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.54 ug/l

RT: 6.47 min Scan# 966

Delta R.T. -0.01 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Tgt Ion: 43 Resp: 157520

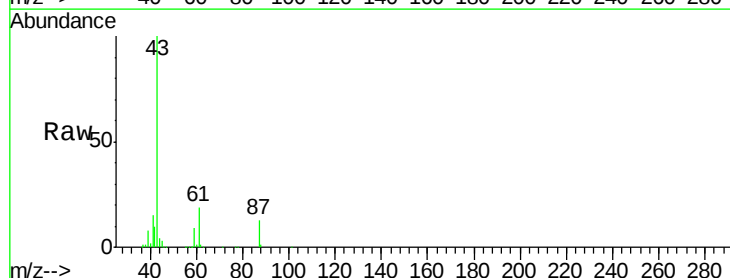
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 0.0 0.1 0.1#

61 18.4 14.5 21.7

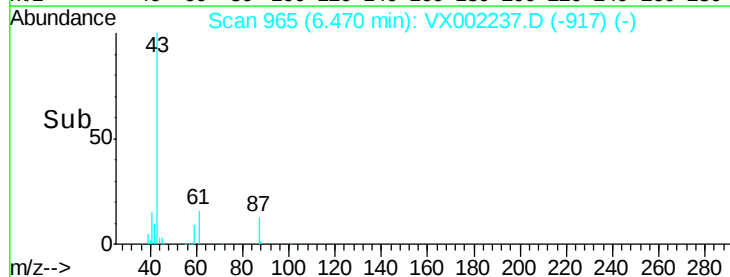
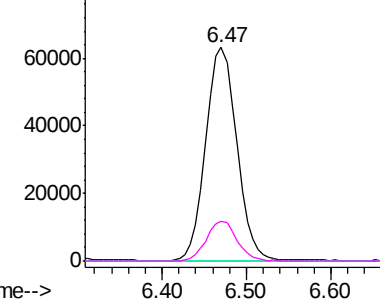


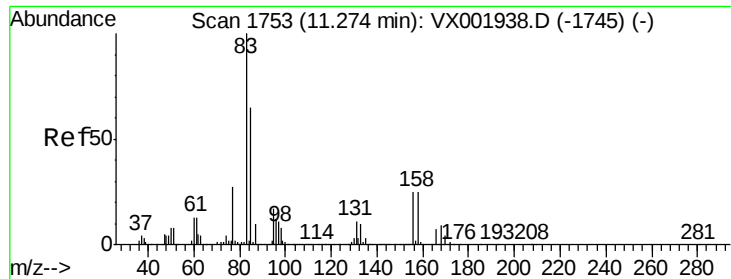
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.70 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

VX0602WBS01

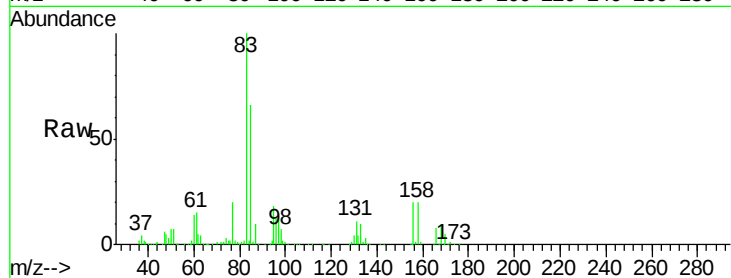
Tot Ion: 83 Resp: 91138

Ion Ratio Lower Upper

83 100

131 10.5 5.7 17.0

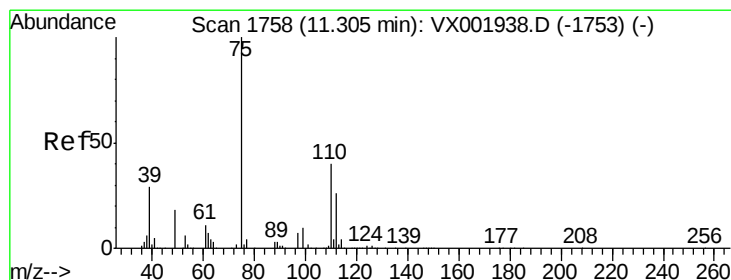
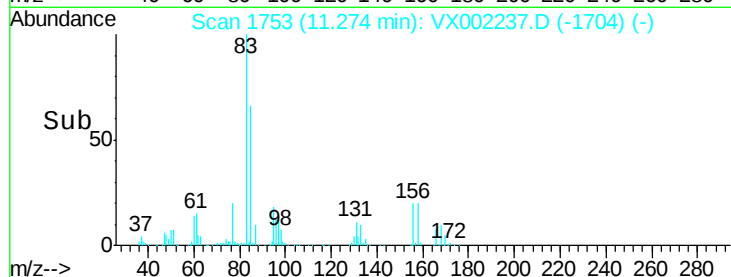
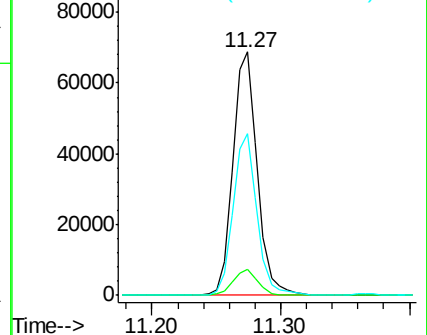
85 65.2 32.6 97.7



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: 23.39 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX002237.D

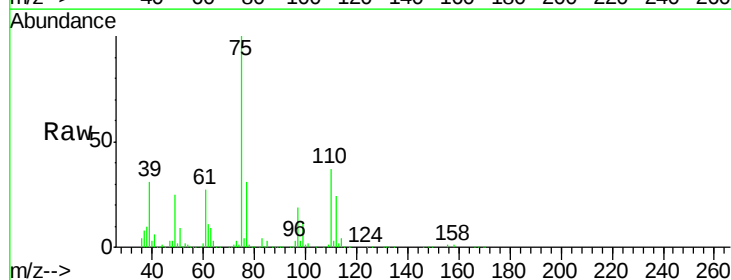
Acq: 02 Jun 2018 14:09

Tgt Ion: 75 Resp: 107998

Ion Ratio Lower Upper

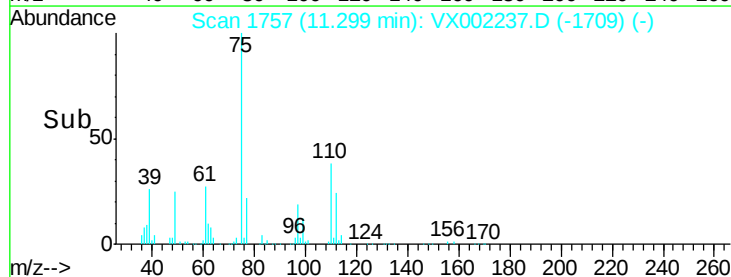
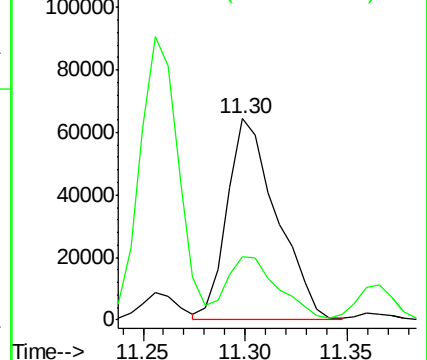
75 100

77 32.7 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.47 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

VX0602WBS01

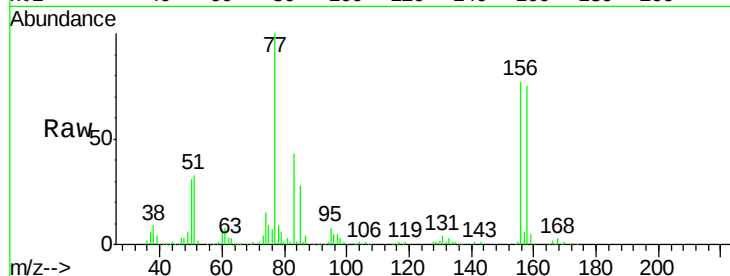
Tot Ion:156 Resp: 84083

Ion Ratio Lower Upper

156 100

77 141.0 75.2 225.6

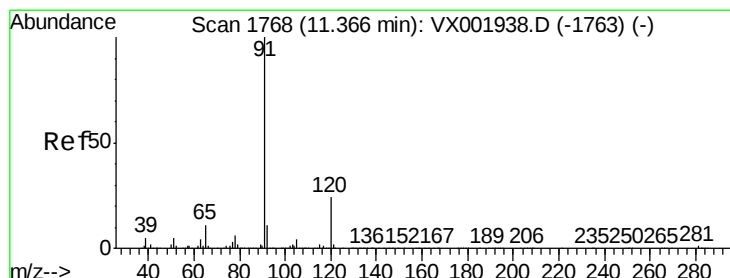
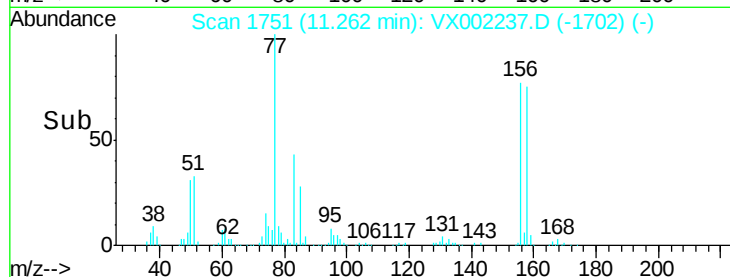
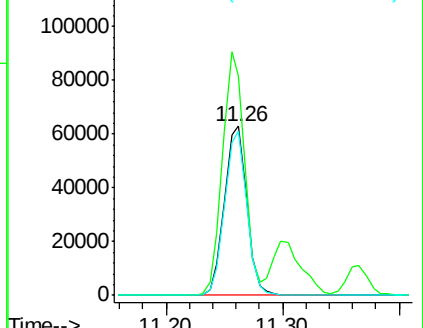
158 96.3 48.6 145.8



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: 19.25 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002237.D

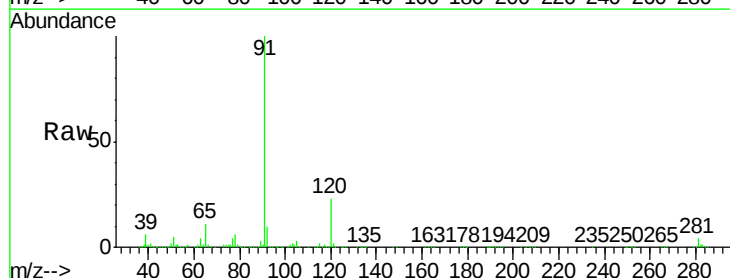
Acq: 02 Jun 2018 14:09

Tgt Ion: 91 Resp: 350972

Ion Ratio Lower Upper

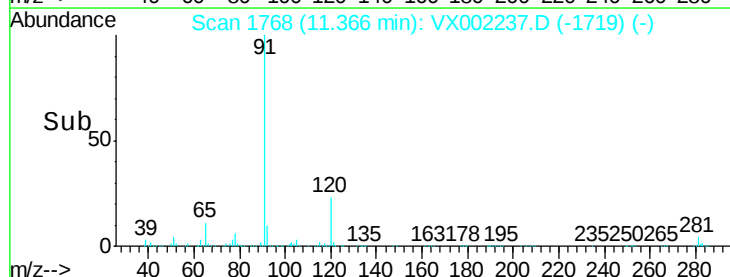
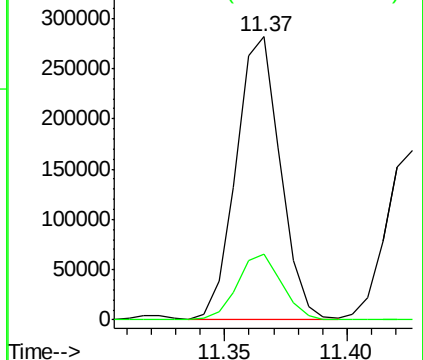
91 100

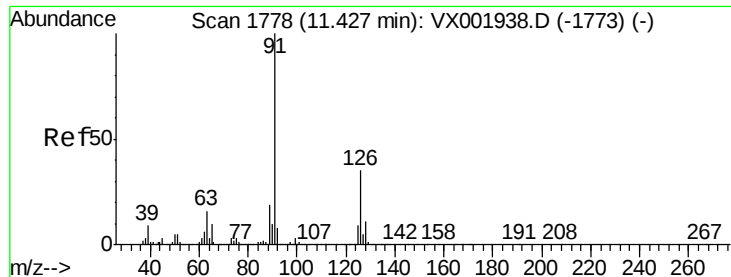
120 23.7 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.86 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

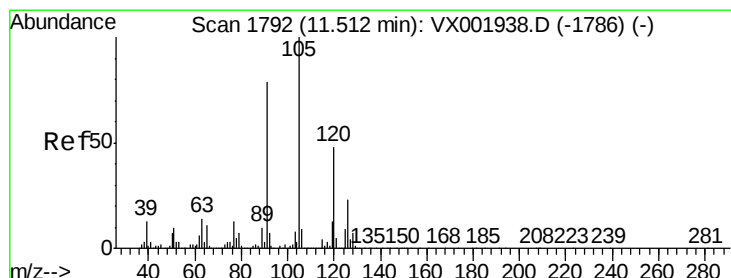
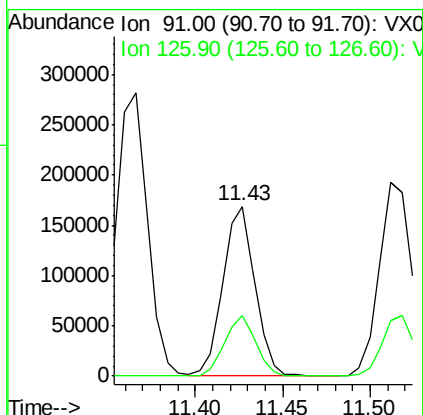
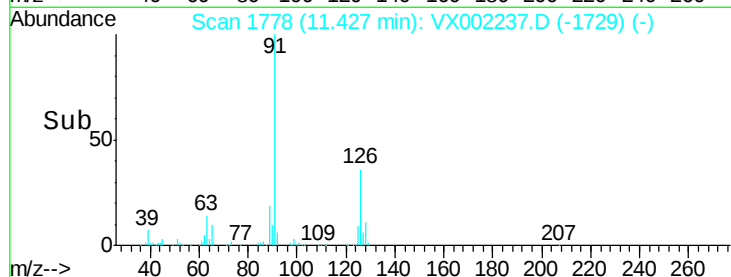
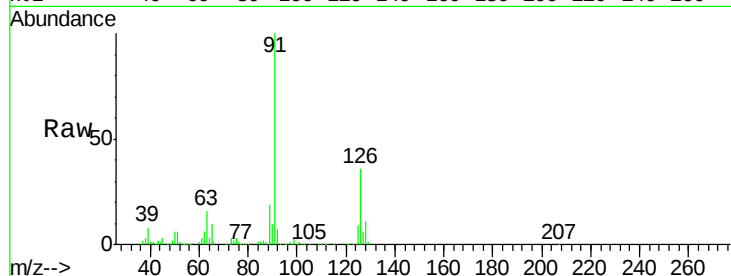
VX0602WBS01

Tot Ion: 91 Resp: 212557

Ion Ratio Lower Upper

91 100

126 35.2 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 18.89 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002237.D

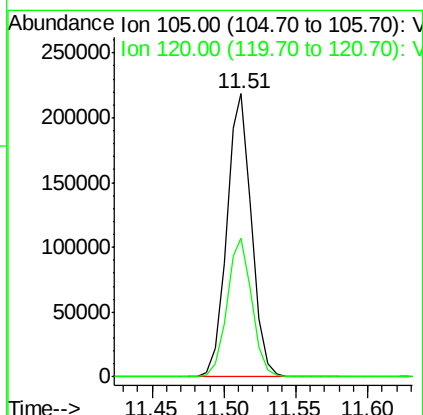
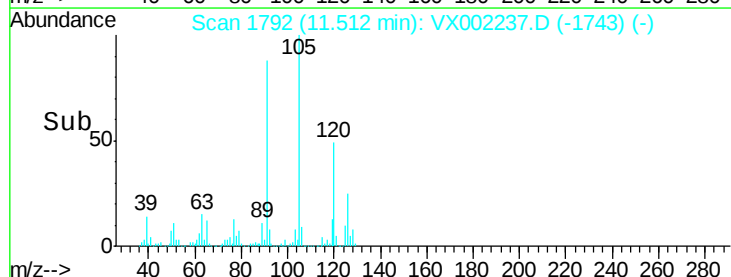
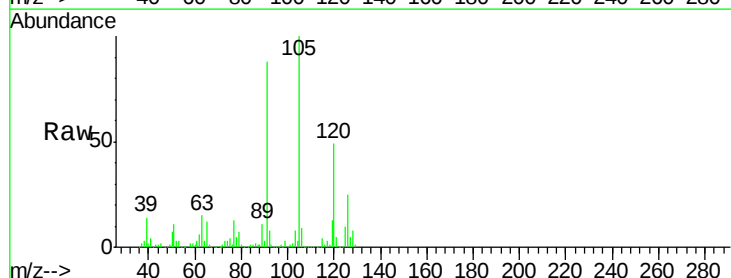
Acq: 02 Jun 2018 14:09

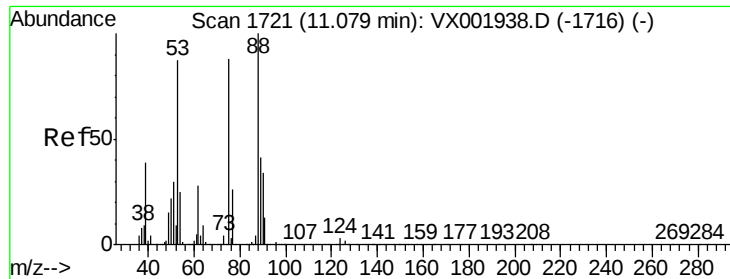
Tgt Ion: 105 Resp: 262740

Ion Ratio Lower Upper

105 100

120 49.2 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 12.08 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampled :

VX0602WBS01

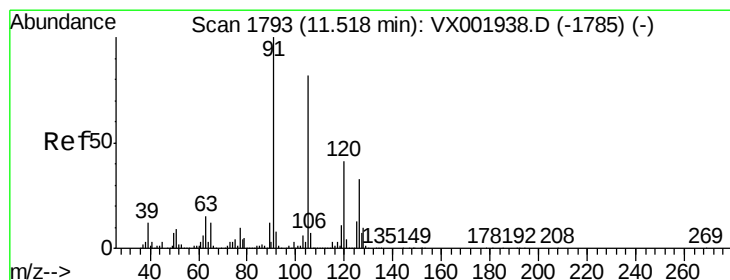
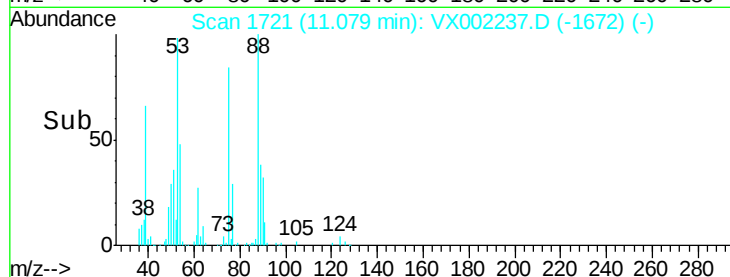
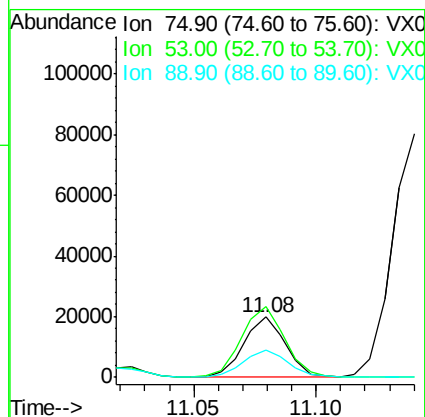
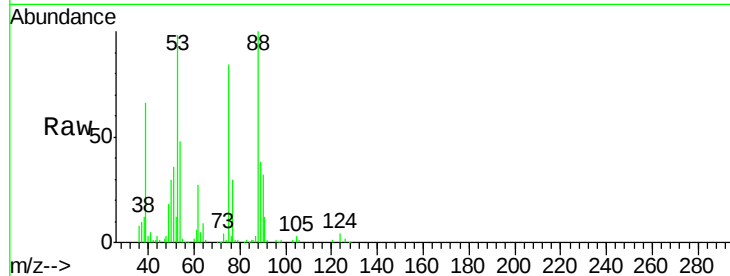
Tot Ion: 75 Resp: 23204

Ion Ratio Lower Upper

75 100

53 122.9 78.0 117.0#

89 49.4 39.4 59.2



#82

4-Chlorotoluene

Concen: 19.43 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX002237.D

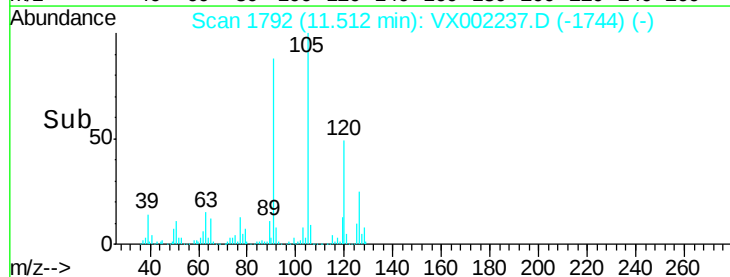
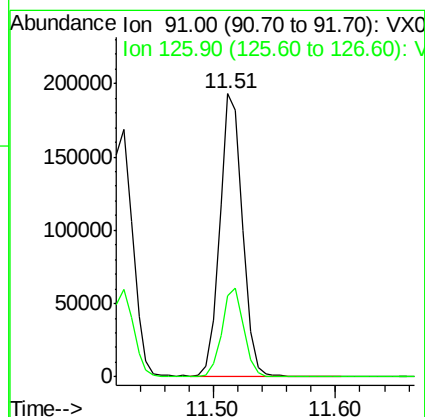
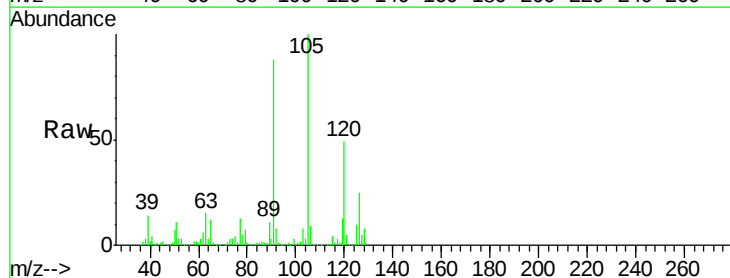
Acq: 02 Jun 2018 14:09

Tgt Ion: 91 Resp: 249799

Ion Ratio Lower Upper

91 100

126 30.6 15.3 45.8





#83

tert-Butylbenzene

Concen: 18.61 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampled :

VX0602WBS01

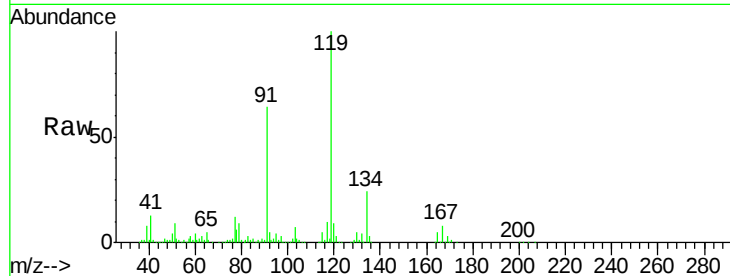
Tot Ion:119 Resp: 254018

Ion Ratio Lower Upper

119 100

91 61.3 30.6 91.8

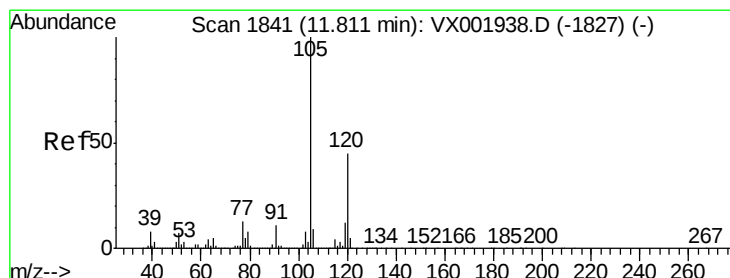
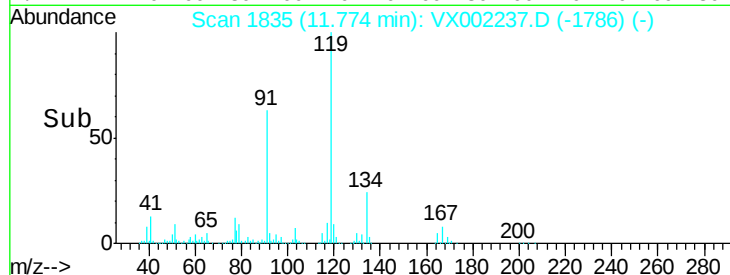
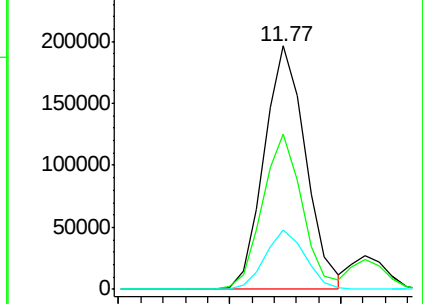
134 23.5 11.7 35.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.01 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002237.D

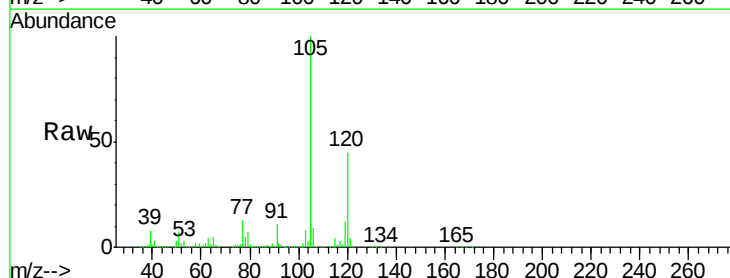
Acq: 02 Jun 2018 14:09

Tgt Ion:105 Resp: 273272

Ion Ratio Lower Upper

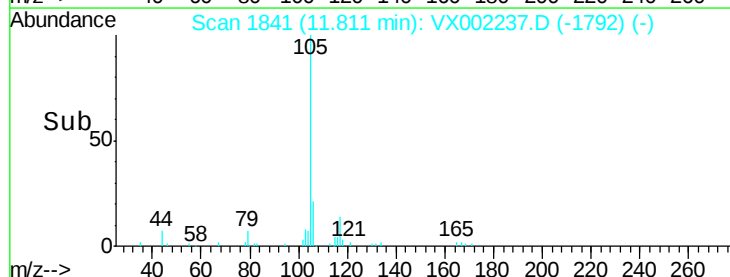
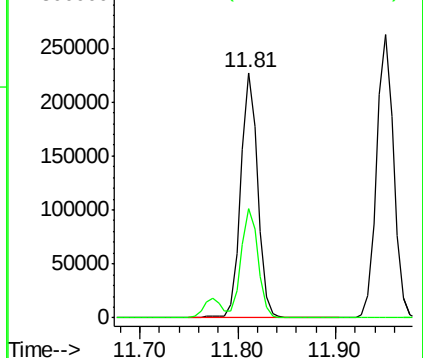
105 100

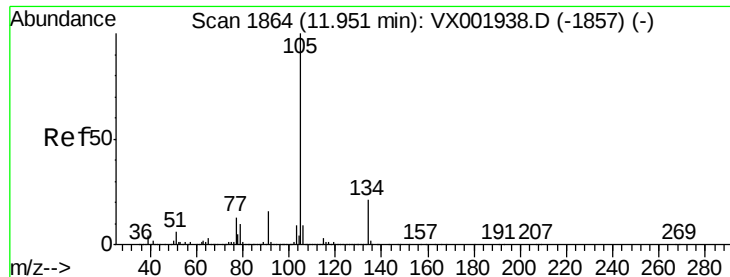
120 44.9 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.33 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

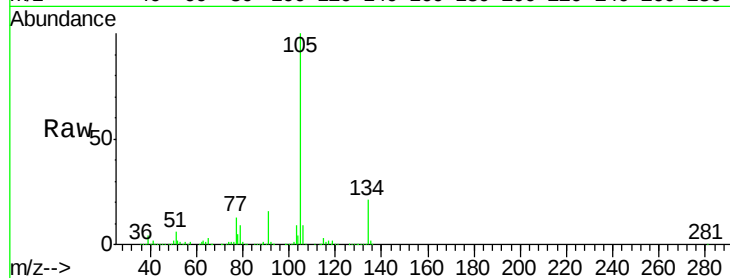
VX0602WBS01

Tot Ion:105 Resp: 317207

Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

250000

200000

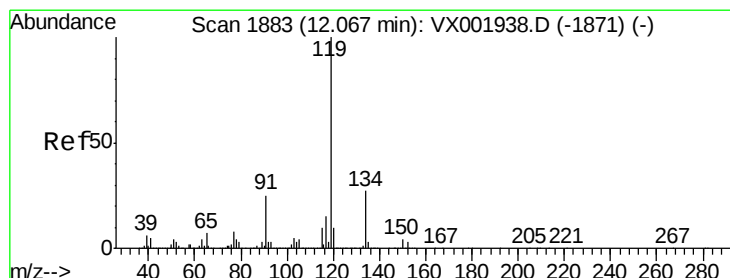
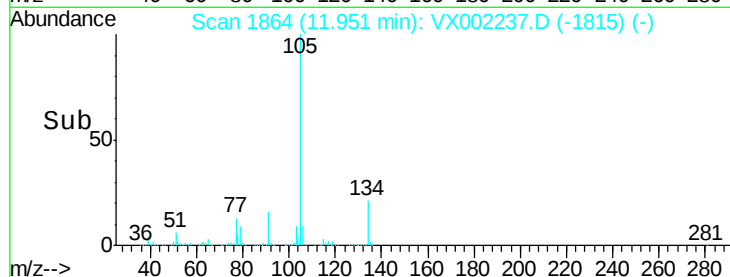
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.41 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

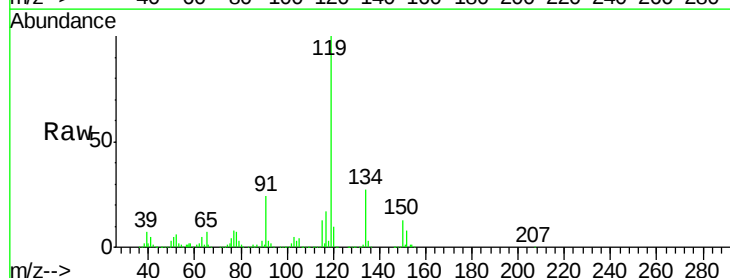
Tgt Ion:119 Resp: 285080

Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

91 24.1 12.2 36.4



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

12.07

300000

250000

200000

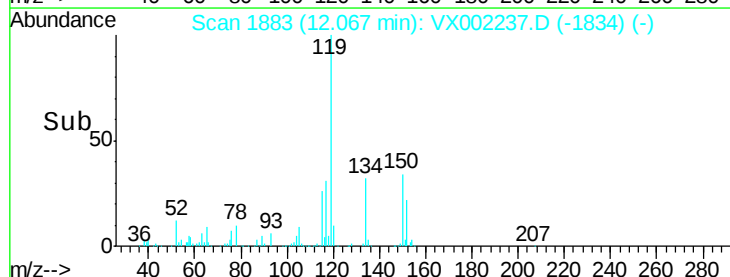
150000

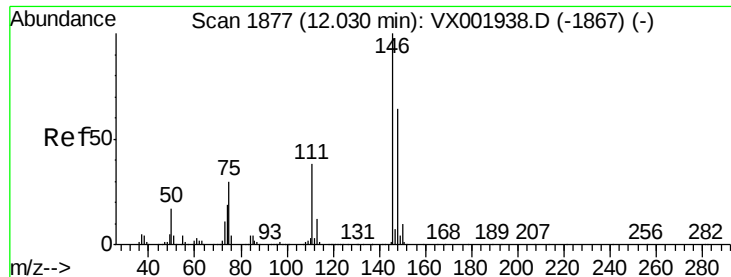
100000

50000

0

Time-->

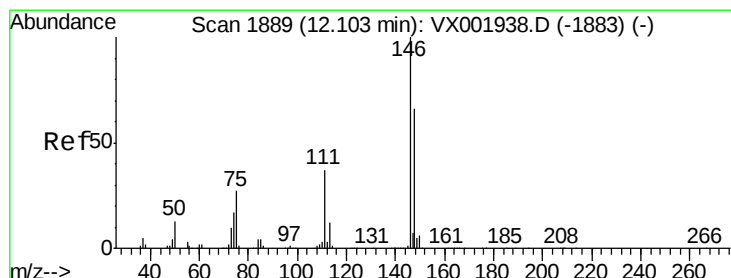
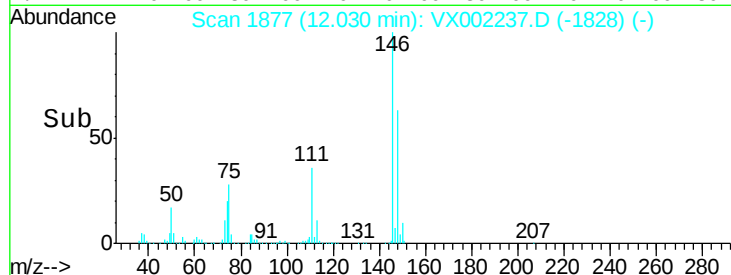
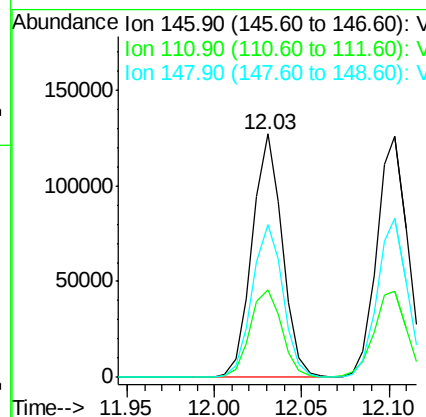
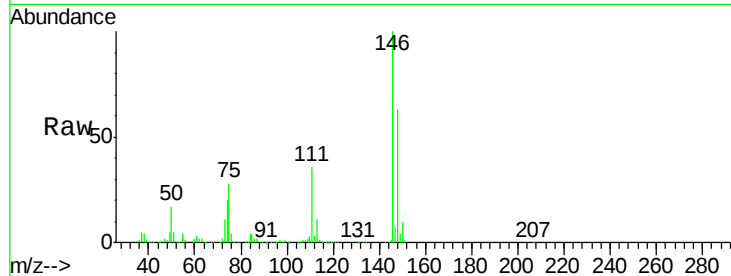




#87
 1,3-Dichlorobenzene
 Concen: 19.79 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002237.D
 Acq: 02 Jun 2018 14:09

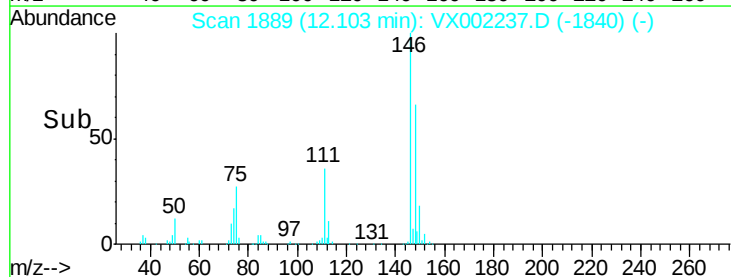
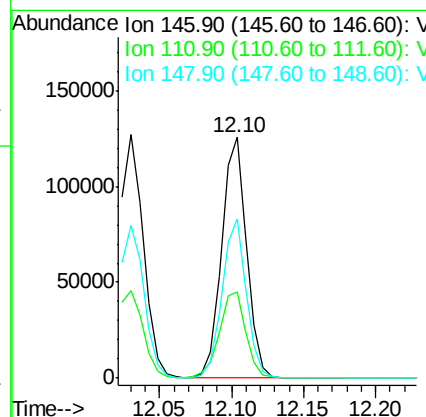
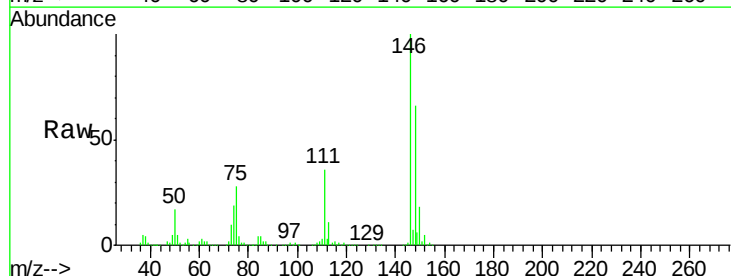
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0602WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.3	57.8
148	64.1	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 19.84 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002237.D
 Acq: 02 Jun 2018 14:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.5
148	64.8	32.3	96.8





#89

n-Butylbenzene

Concen: 19.38 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampled :

VX0602WBS01

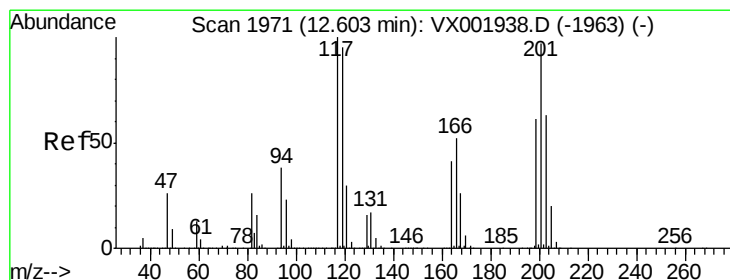
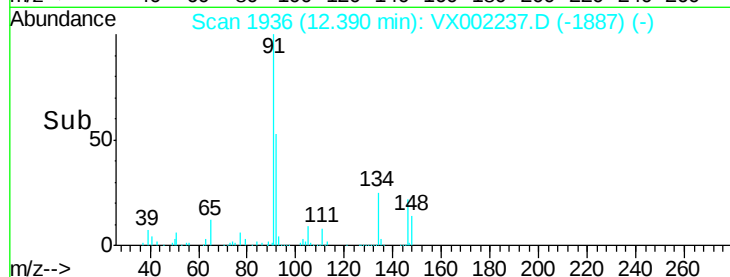
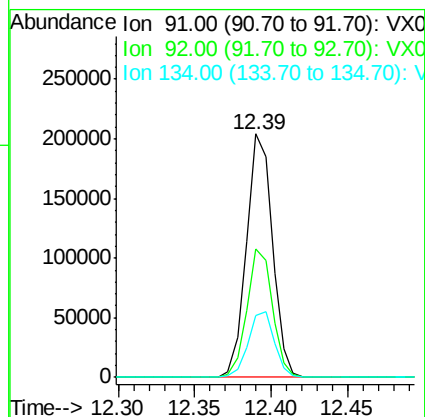
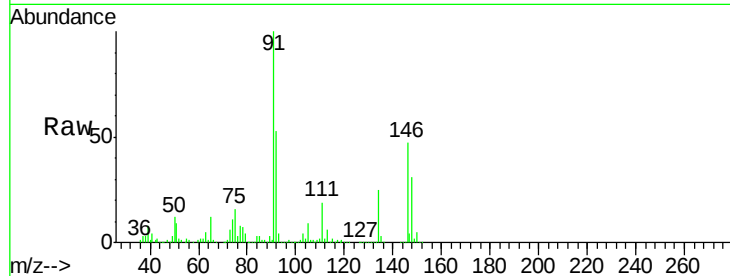
Tot Ion: 91 Resp: 241175

Ion Ratio Lower Upper

91 100

92 52.0 26.3 78.9

134 27.1 13.6 40.7



#90

Hexachloroethane

Concen: 13.44 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX002237.D

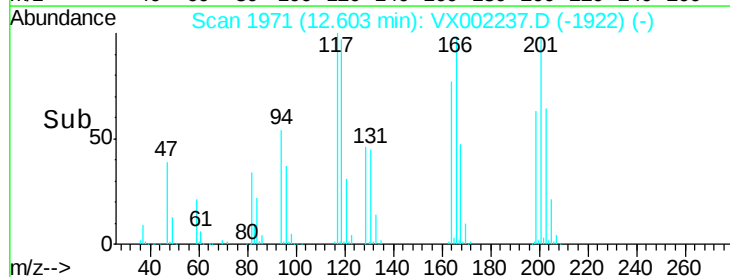
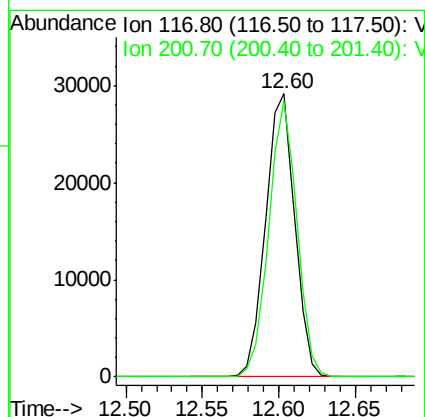
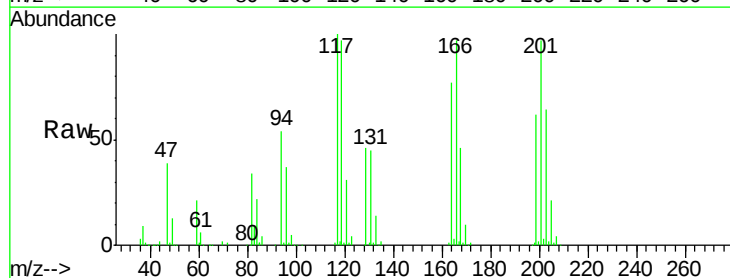
Acq: 02 Jun 2018 14:09

Tgt Ion: 117 Resp: 38926

Ion Ratio Lower Upper

117 100

201 93.9 48.0 144.0





#91

1,2-Dichlorobenzene

Concen: 19.83 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

VX0602WBS01

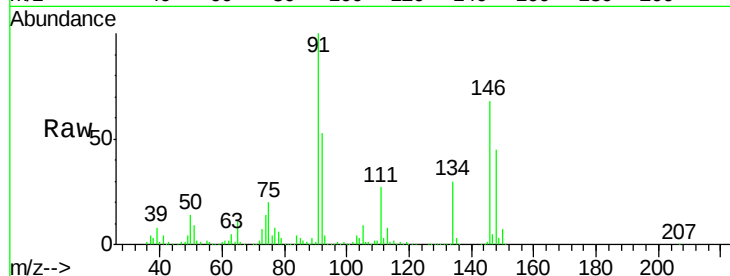
Tot Ion:146 Resp: 156237

Ion Ratio Lower Upper

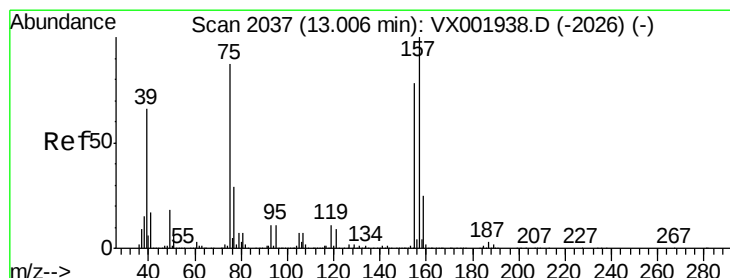
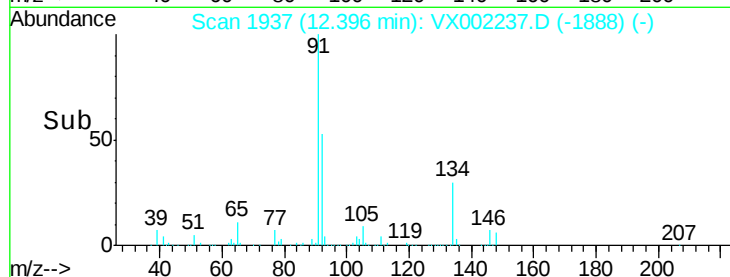
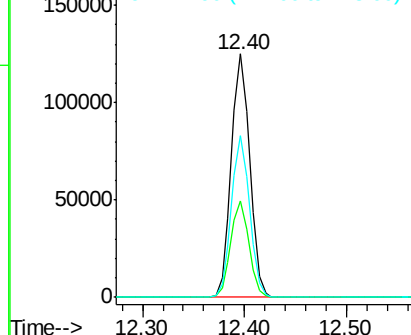
146 100

111 39.2 19.8 59.3

148 65.0 32.1 96.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 13.70 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

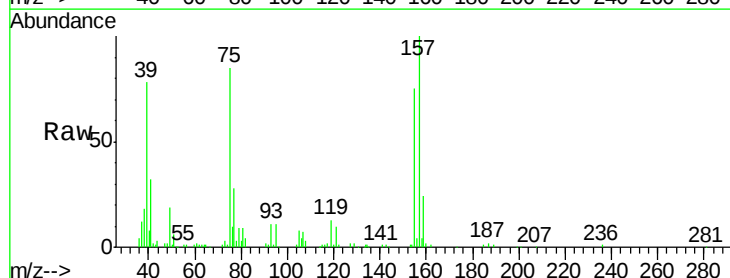
Tgt Ion: 75 Resp: 19823

Ion Ratio Lower Upper

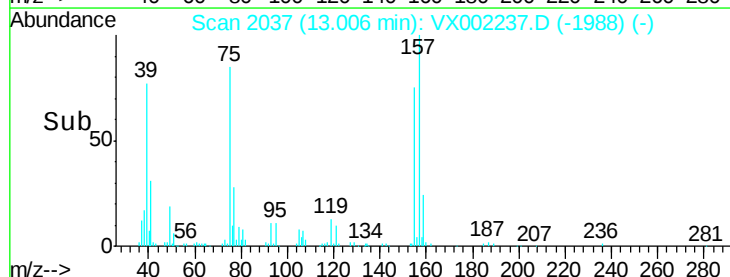
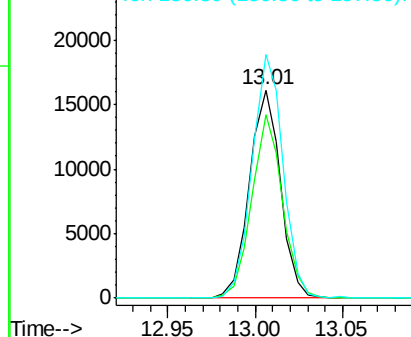
75 100

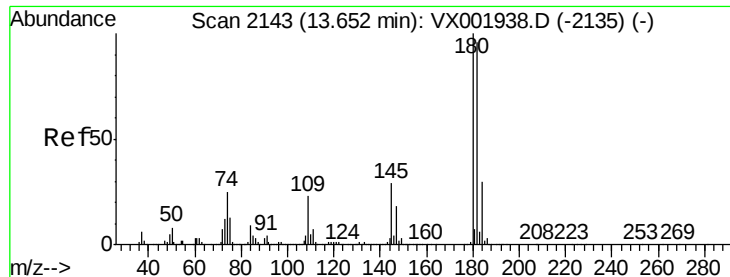
155 87.0 45.1 135.2

157 117.1 58.1 174.2



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

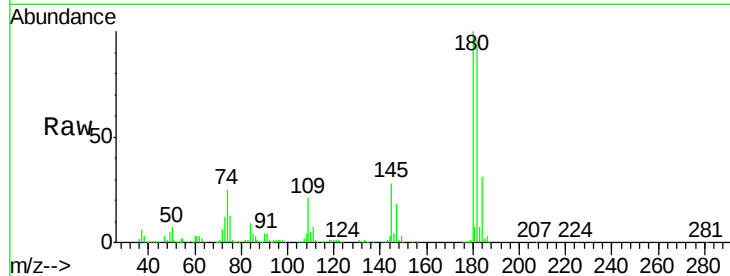




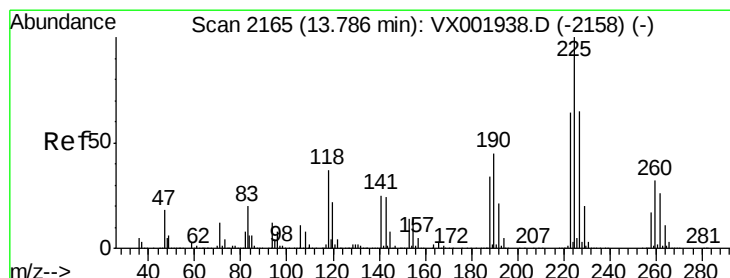
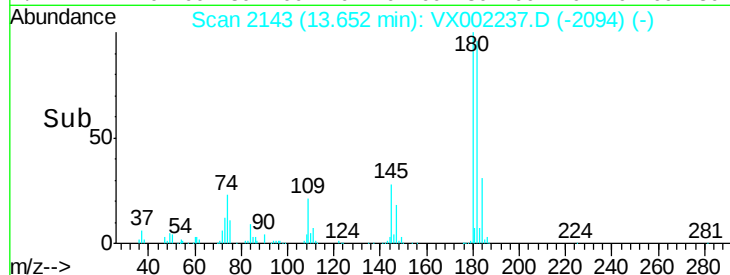
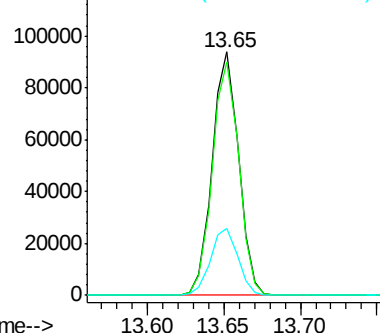
#93
 1,2,4-Trichlorobenzene
 Concen: 19.90 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002237.D
 Acq: 02 Jun 2018 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0602WBS01

Tot Ion:180 Resp: 112154
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.7 143.1
 145 28.4 14.4 43.0

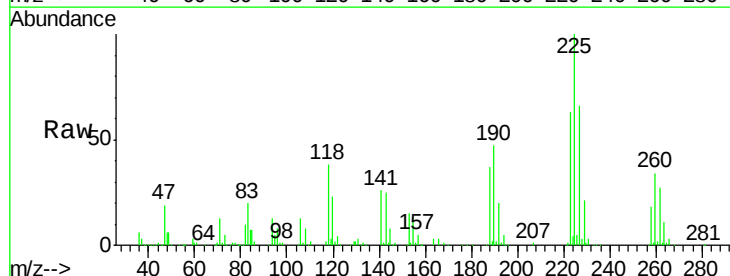


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

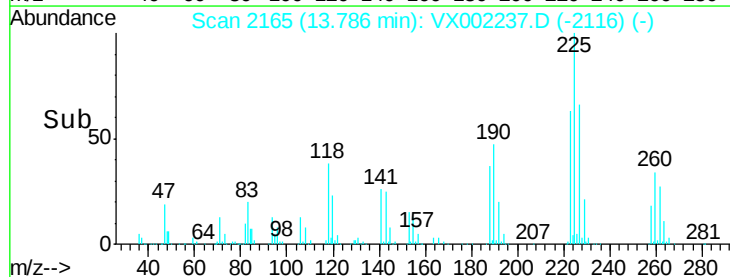
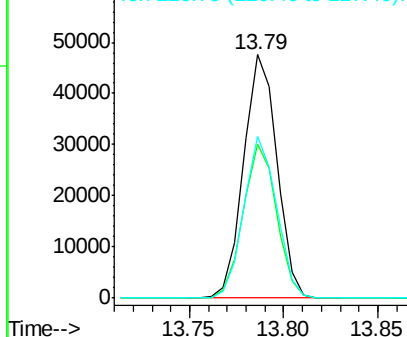


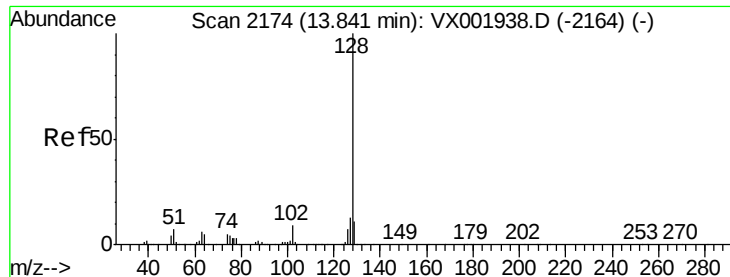
#94
 Hexachlorobutadiene
 Concen: 19.32 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002237.D
 Acq: 02 Jun 2018 14:09

Tgt Ion:225 Resp: 58567
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.1 93.5
 227 65.3 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.53 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

VX0602WBS01

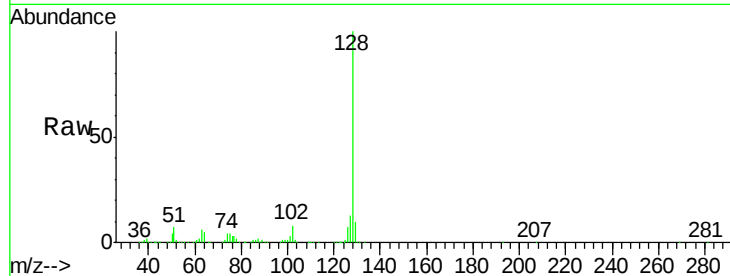
Tot Ion:128 Resp: 321651

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

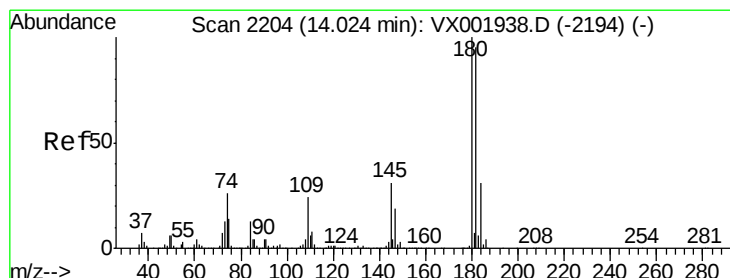
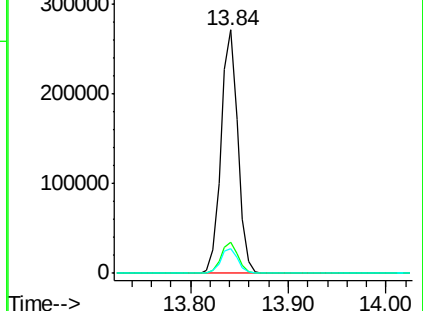
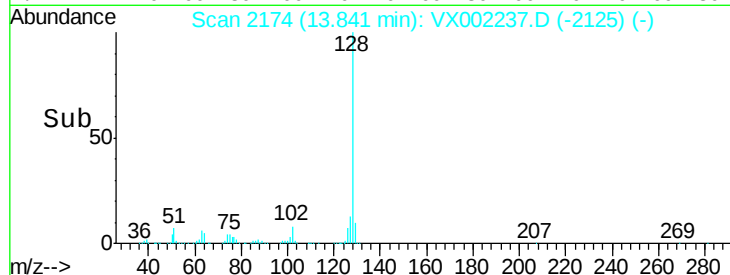
129 10.6 8.8 13.2



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: 19.82 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002237.D

Acq: 02 Jun 2018 14:09

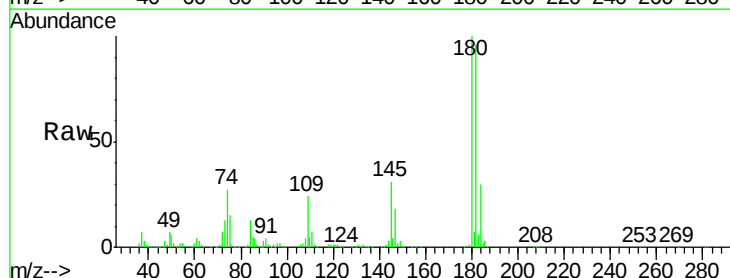
Tgt Ion:180 Resp: 115543

Ion Ratio Lower Upper

180 100

182 96.6 47.9 143.6

145 30.5 15.1 45.3



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

