

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
 Data File : VX006692.D
 Acq On : 20 Dec 2018 23:20
 Operator : JC/MD
 Sample : VX1220WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBSD02

Quant Time: Dec 21 03:37:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	553858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	856417	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	791179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	403165	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	303058	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
35) Dibromofluoromethane	5.50	113	267160	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
50) Toluene-d8	8.71	98	1019477	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	11.13	95	374150	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	93619	18.477	ug/l 99
3) Chloromethane	1.33	50	102458	18.769	ug/l 99
4) Vinyl Chloride	1.41	62	112247	19.688	ug/l 99
5) Bromomethane	1.64	94	103720	18.279	ug/l 97
6) Chloroethane	1.73	64	76151	19.291	ug/l 99
7) Trichlorofluoromethane	1.93	101	174800	19.666	ug/l 98
8) Diethyl Ether	2.19	74	68697	19.459	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	98870	18.944	ug/l 98
10) Methyl Iodide	2.51	142	143962	19.270	ug/l 98
11) Tert butyl alcohol	3.07	59	146538	109.999	ug/l 100
12) 1,1-Dichloroethene	2.38	96	96785	19.558	ug/l 98
13) Acrolein	2.30	56	70378	78.312	ug/l 98
14) Allyl chloride	2.73	41	162956	19.563	ug/l 97
15) Acrylonitrile	3.15	53	313303	105.923	ug/l 99
16) Acetone	2.45	43	263958	96.249	ug/l 99
17) Carbon Disulfide	2.57	76	213504	16.303	ug/l 100
18) Methyl Acetate	2.78	43	181032	22.449	ug/l 98
19) Methyl tert-butyl Ether	3.20	73	341433	20.788	ug/l 98
20) Methylene Chloride	2.86	84	111559	19.672	ug/l 94
21) trans-1,2-Dichloroethene	3.17	96	103149	18.812	ug/l 95
22) Diisopropyl ether	3.87	45	314832	20.660	ug/l 93
23) Vinyl Acetate	3.82	43	1232546	98.884	ug/l 100
24) 1,1-Dichloroethane	3.70	63	174291	19.160	ug/l 99
25) 2-Butanone	4.70	43	393983	102.131	ug/l 100
26) 2,2-Dichloropropane	4.59	77	106315	15.130	ug/l 97
27) cis-1,2-Dichloroethene	4.60	96	118613	19.607	ug/l 99
28) Bromochloromethane	5.01	49	87980	21.902	ug/l 99
29) Tetrahydrofuran	5.16	42	267199	105.166	ug/l 99
30) Chloroform	5.21	83	187704	19.926	ug/l 98
31) Cyclohexane	5.57	56	154632	18.711	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	155054	19.493	ug/l 98
36) 1,1-Dichloropropene	5.80	75	133751	18.856	ug/l 98
37) Ethyl Acetate	4.86	43	151772	20.558	ug/l 99
38) Carbon Tetrachloride	5.79	117	128273	18.608	ug/l 94

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 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	173459	18.575	ug/l	98
40) Benzene	6.15	78	426067	19.761	ug/l	99
41) Methacrylonitrile	5.06	41	83066	21.193	ug/l	100
42) 1,2-Dichloroethane	6.20	62	142732	19.427	ug/l	100
43) Isopropyl Acetate	6.46	43	228075	20.304	ug/l	98
44) Trichloroethene	7.21	130	123529	18.929	ug/l	97
45) 1,2-Dichloropropane	7.51	63	106695	20.335	ug/l	100
46) Dibromomethane	7.66	93	75562	19.579	ug/l	100
47) Bromodichloromethane	7.90	83	121086	18.898	ug/l	95
48) Methyl methacrylate	7.77	41	119026	20.837	ug/l	100
49) 1,4-Dioxane	7.75	88	64080	417.158	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	769803	107.707	ug/l	100
52) Toluene	8.79	92	276449	19.847	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	120994	17.607	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	140295	18.607	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	117846	20.670	ug/l	96
56) Ethyl methacrylate	9.18	69	165700	20.563	ug/l	99
57) 1,3-Dichloropropane	9.37	76	183813	20.039	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	446711	104.287	ug/l	99
59) 2-Hexanone	9.49	43	588667	107.647	ug/l	100
60) Dibromochloromethane	9.59	129	101040	18.481	ug/l	98
61) 1,2-Dibromoethane	9.67	107	120965	19.959	ug/l	98
64) Tetrachloroethene	9.34	164	127462	20.345	ug/l	93
65) Chlorobenzene	10.14	112	321898	19.231	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	102404	19.609	ug/l	100
67) Ethyl Benzene	10.25	91	528570	19.325	ug/l	100
68) m/p-Xylenes	10.36	106	422540	39.151	ug/l	100
69) o-Xylene	10.70	106	205179	19.252	ug/l	95
70) Styrene	10.71	104	333048	19.753	ug/l	100
71) Bromoform	10.86	173	70325	18.058	ug/l #	98
73) Isopropylbenzene	11.02	105	549296	19.915	ug/l	100
74) N-amyl acetate	10.90	43	207067	20.974	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	175649	21.414	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	178020	23.760	ug/l	91
77) Bromobenzene	11.26	156	150927	20.240	ug/l	98
78) n-propylbenzene	11.36	91	605642	19.940	ug/l	100
79) 2-Chlorotoluene	11.42	91	366739	19.925	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	454322	19.999	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	32722	16.398	ug/l #	82
82) 4-Chlorotoluene	11.51	91	413537	19.587	ug/l	99
83) tert-Butylbenzene	11.77	119	450558	19.816	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	469167	19.634	ug/l	99
85) sec-Butylbenzene	11.94	105	554258	19.882	ug/l	100
86) p-Isopropyltoluene	12.06	119	487803	19.906	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	265531	19.758	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	265381	19.263	ug/l	98
89) n-Butylbenzene	12.39	91	395659	18.972	ug/l	99
90) Hexachloroethane	12.60	117	61189	18.197	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	265758	19.768	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	31087	18.316	ug/l	99

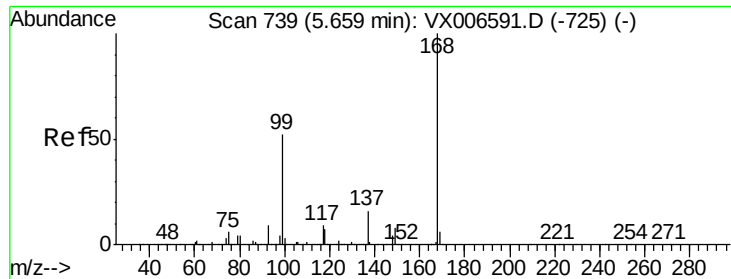
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122018\
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Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	181045	19.523	ug/l	99
94) Hexachlorobutadiene	13.78	225	82823	18.949	ug/l	96
95) Naphthalene	13.83	128	581606	19.651	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	183729	19.189	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

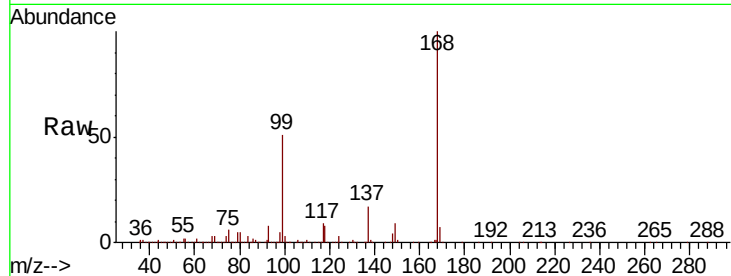
VX1220WBSD02

Tot Ion:168 Resp: 553858

Ion Ratio Lower Upper

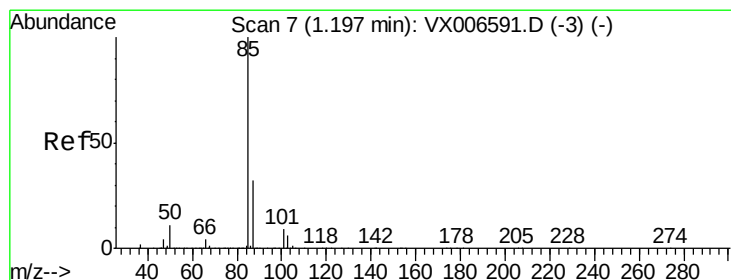
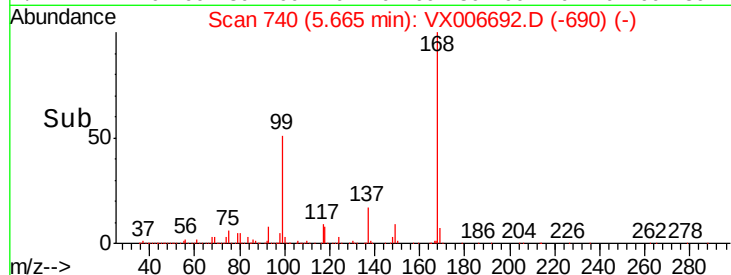
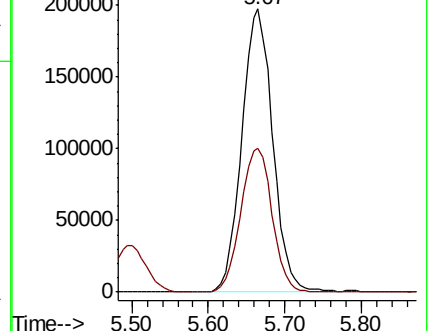
168 100

99 50.6 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.477 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006692.D

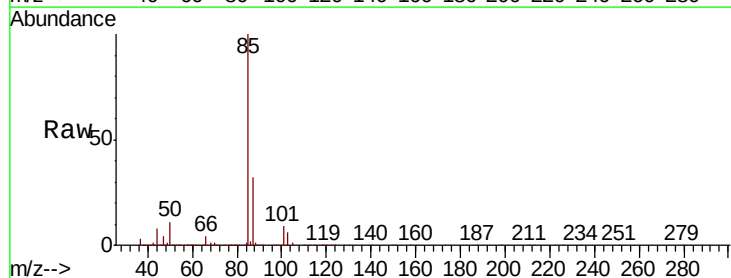
Acq: 20 Dec 2018 23:20

Tgt Ion: 85 Resp: 93619

Ion Ratio Lower Upper

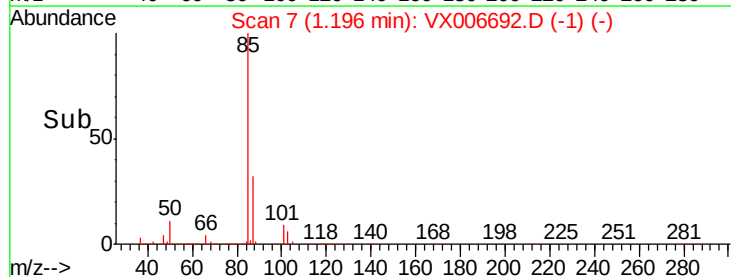
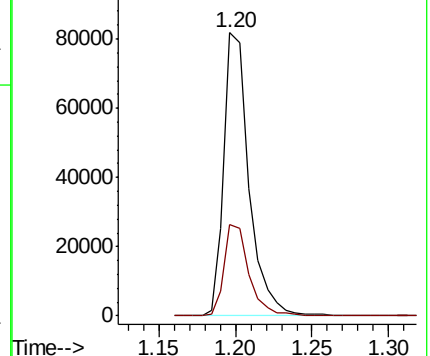
85 100

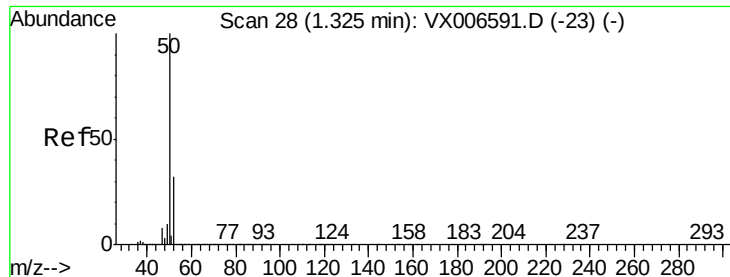
87 32.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.769 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

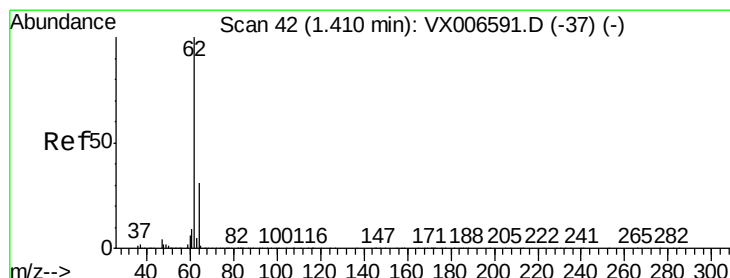
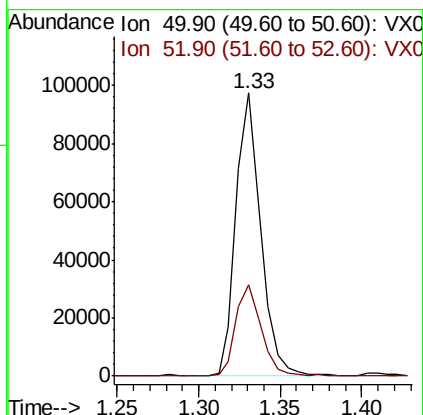
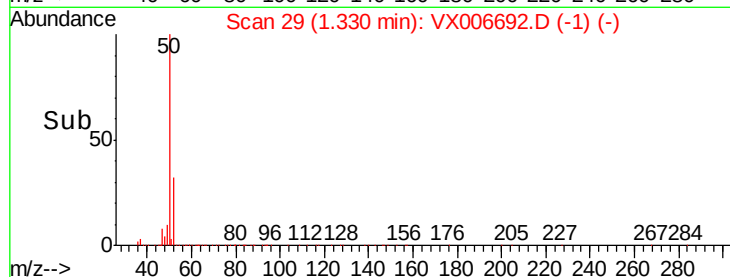
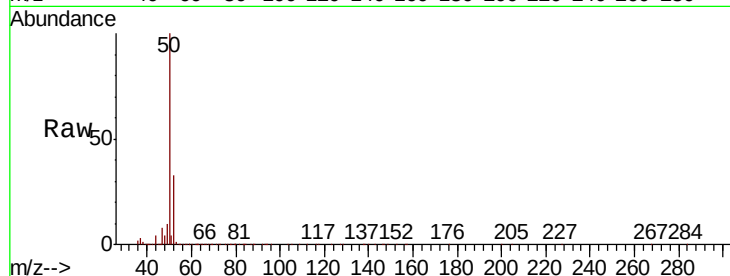
VX1220WBSD02

Tot Ion: 50 Resp: 102458

Ion Ratio Lower Upper

50 100

52 32.5 25.4 38.2



#4

Vinyl Chloride

Concen: 19.688 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006692.D

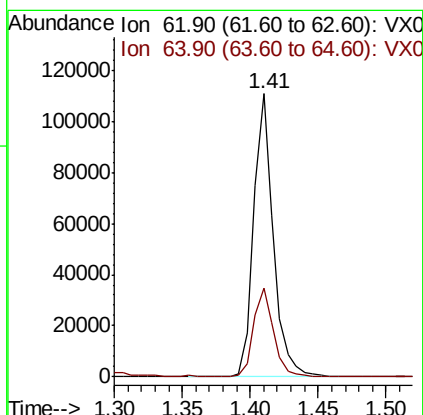
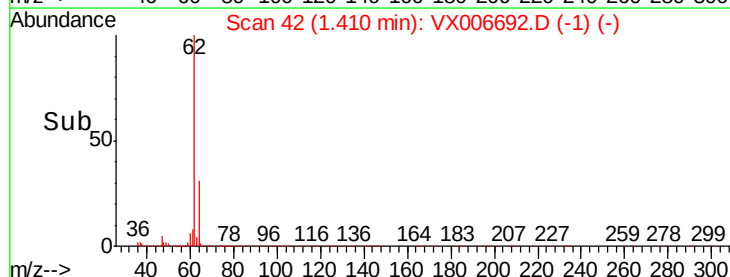
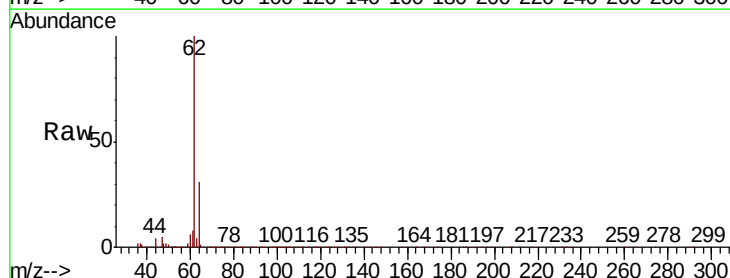
Acq: 20 Dec 2018 23:20

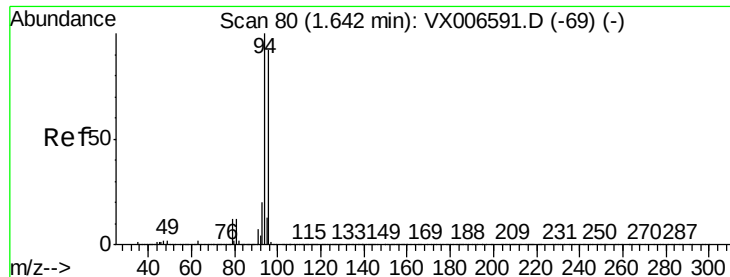
Tgt Ion: 62 Resp: 112247

Ion Ratio Lower Upper

62 100

64 30.8 25.1 37.7





#5

Bromomethane

Concen: 18.279 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

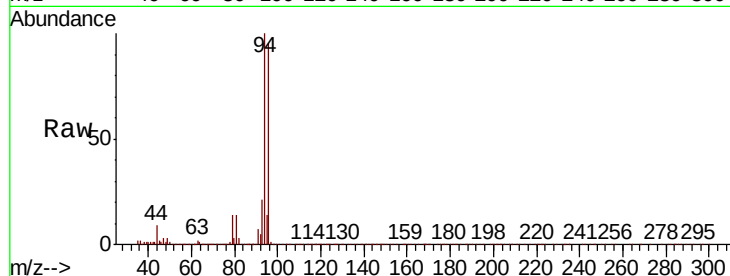
VX1220WBSD02

Tot Ion: 94 Resp: 103720

Ion Ratio Lower Upper

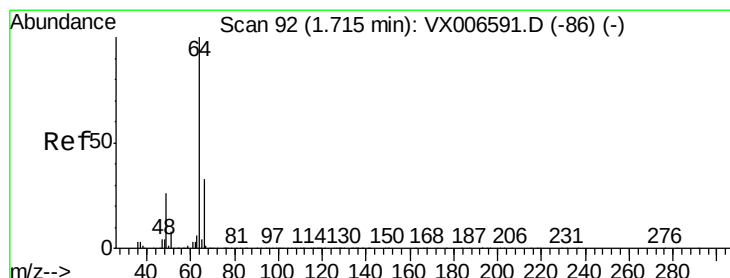
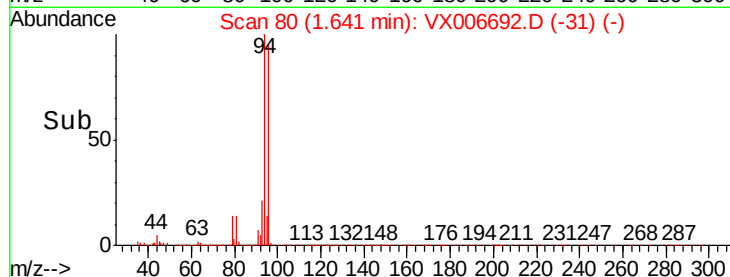
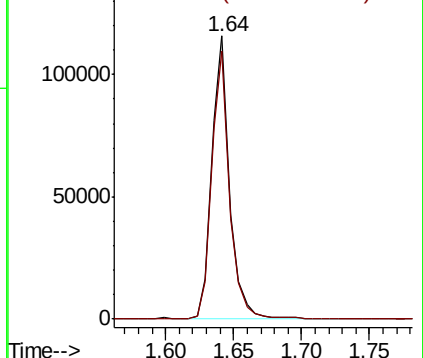
94 100

96 94.7 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.291 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX006692.D

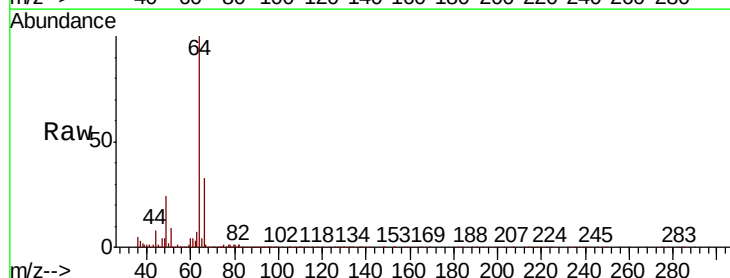
Acq: 20 Dec 2018 23:20

Tgt Ion: 64 Resp: 76151

Ion Ratio Lower Upper

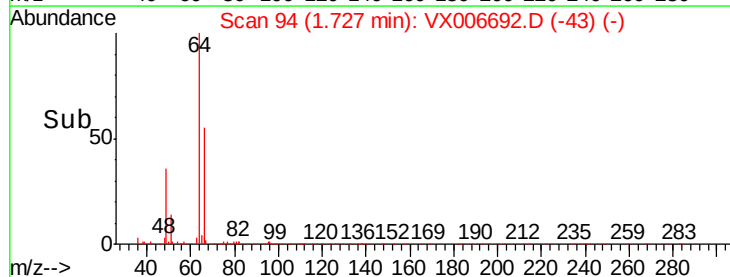
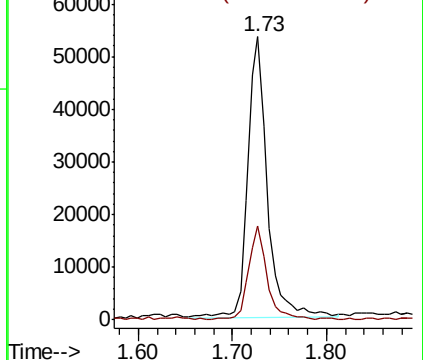
64 100

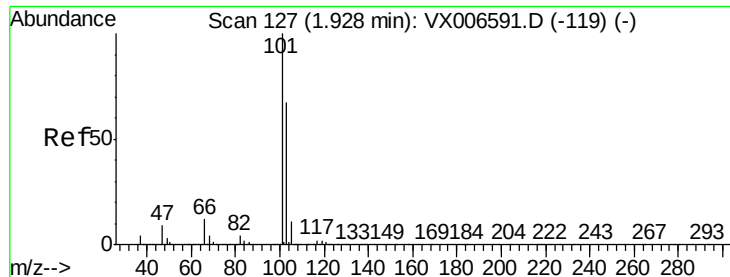
66 33.4 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



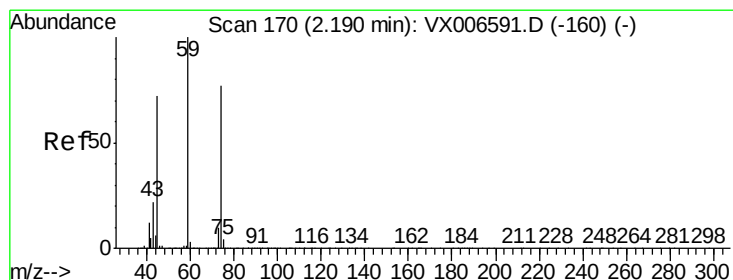
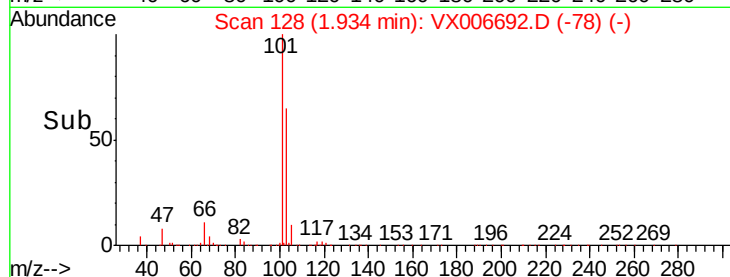
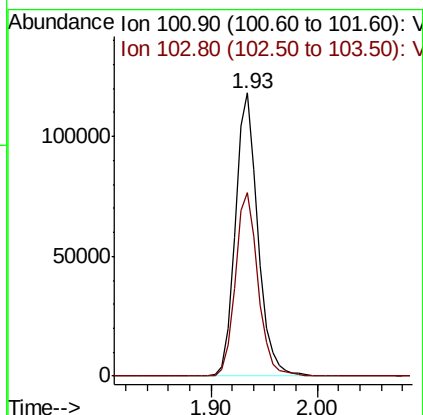
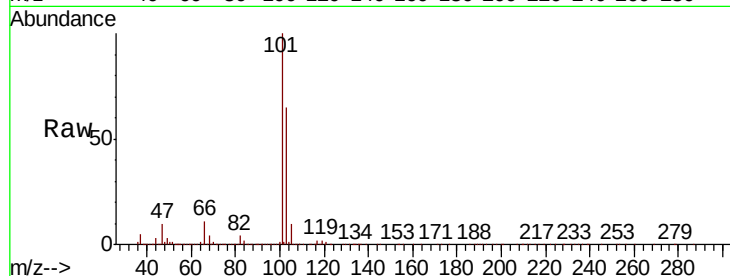


#7

Trichlorofluoromethane
Concen: 19.666 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

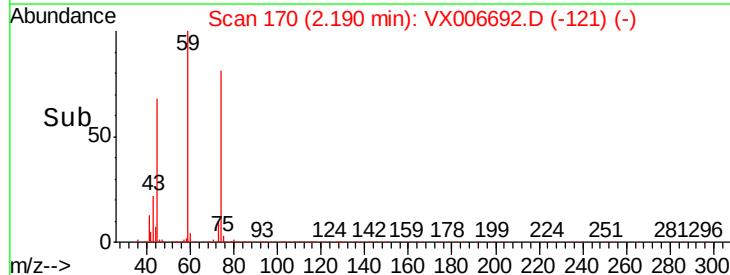
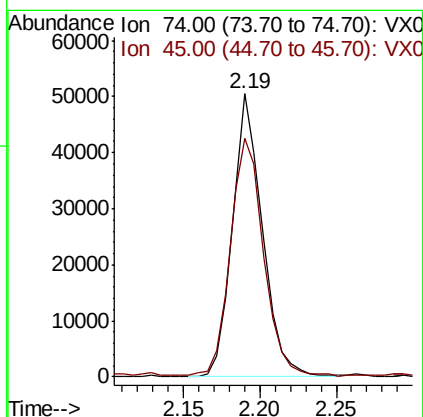
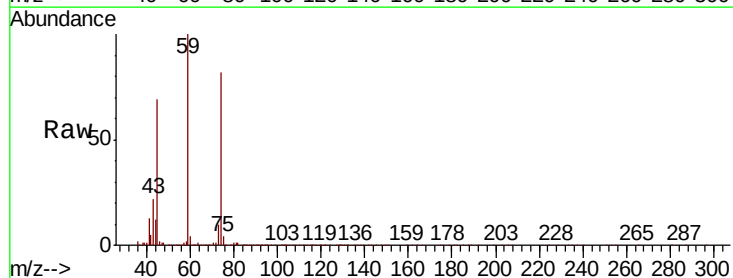
Tot Ion:101 Resp: 174800
Ion Ratio Lower Upper
101 100
103 65.0 53.2 79.8

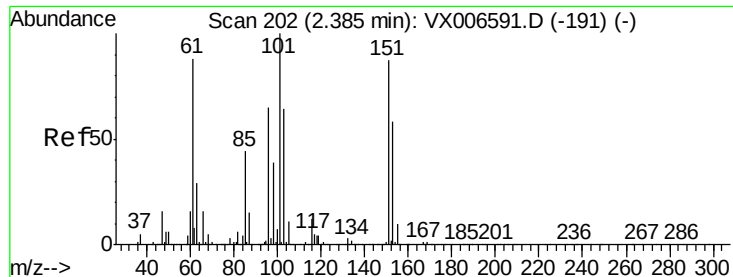


#8

Diethyl Ether
Concen: 19.459 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion: 74 Resp: 68697
Ion Ratio Lower Upper
74 100
45 91.5 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.944 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

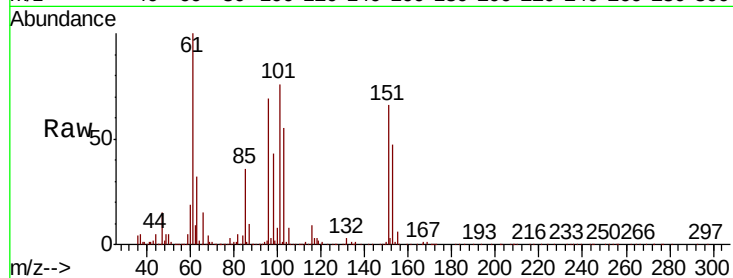
Tot Ion:101 Resp: 98870

Ion Ratio Lower Upper

101 100

85 45.1 35.1 52.7

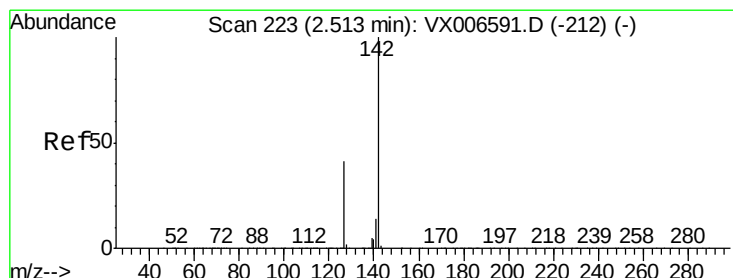
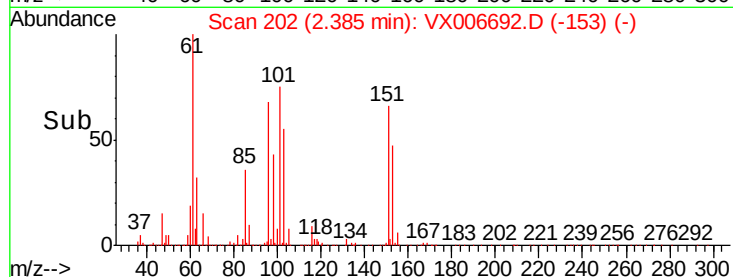
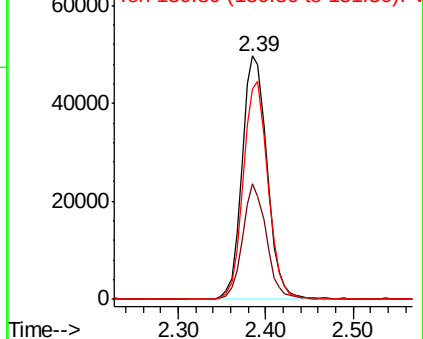
151 88.3 68.9 103.3



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: 19.270 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

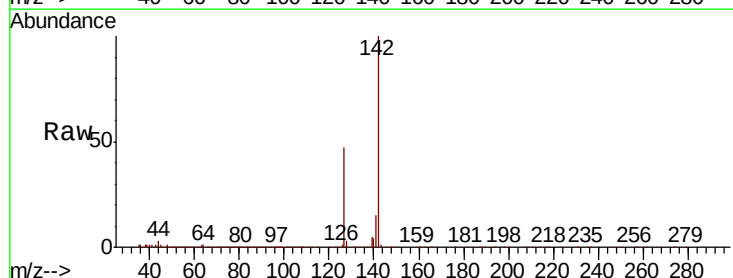
Tgt Ion:142 Resp: 143962

Ion Ratio Lower Upper

142 100

127 43.5 33.9 50.9

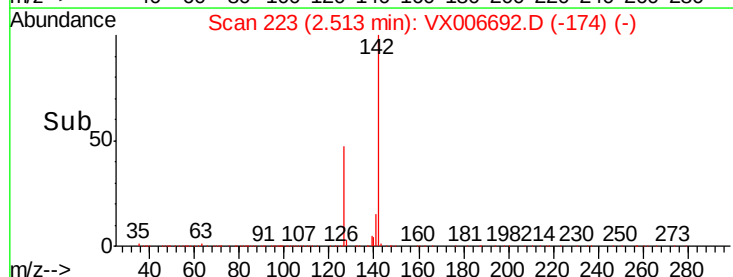
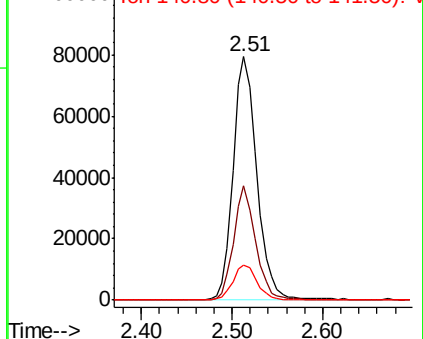
141 15.0 11.4 17.0

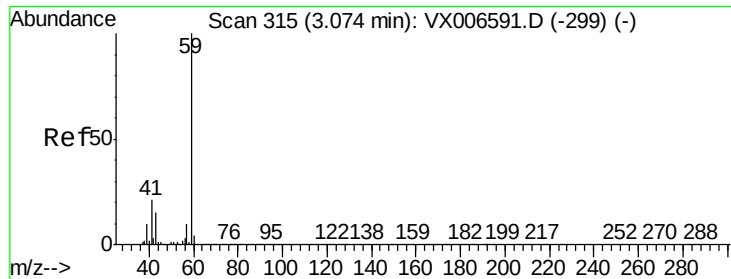


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



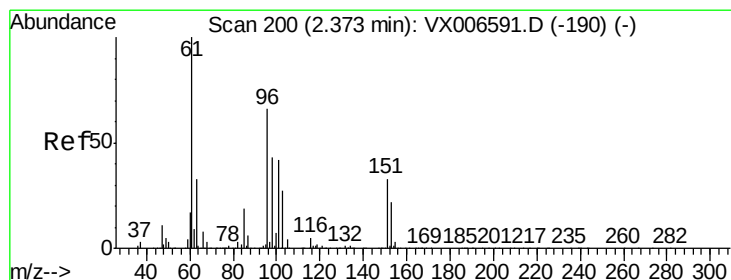
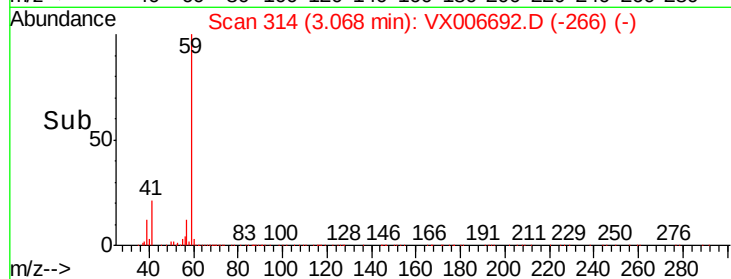
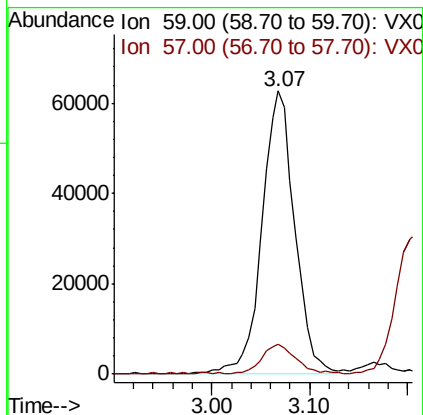
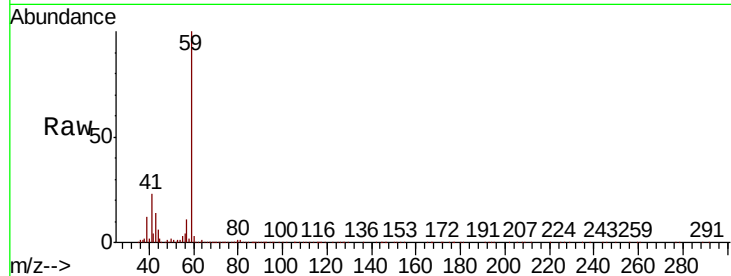


#11

Tert butyl alcohol
Concen: 109.999 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

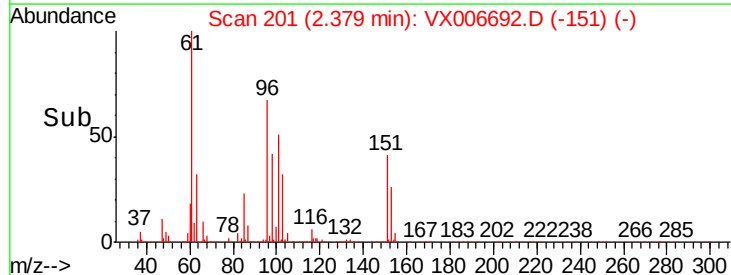
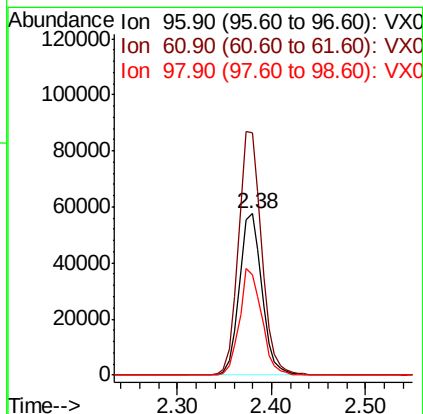
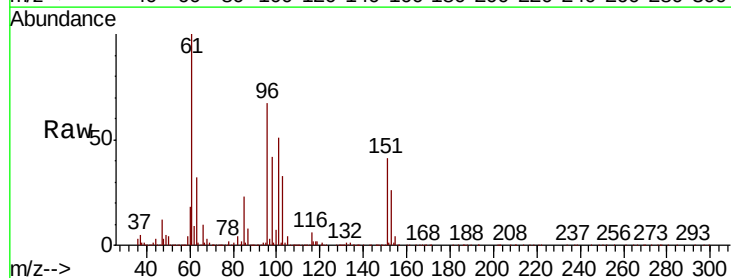
Tot Ion: 59 Resp: 146538
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7

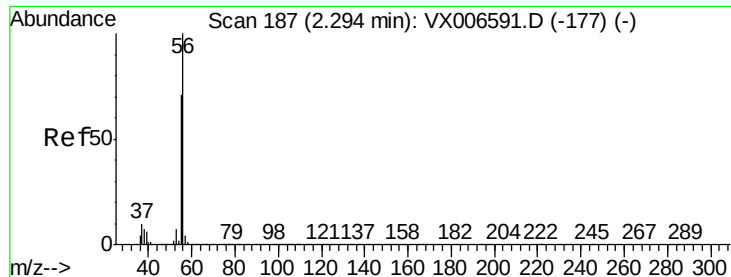


#12

1,1-Dichloroethene
Concen: 19.558 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion: 96 Resp: 96785
Ion Ratio Lower Upper
96 100
61 149.9 121.4 182.2
98 62.2 51.9 77.9





#13

Acrolein

Concen: 78.312 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

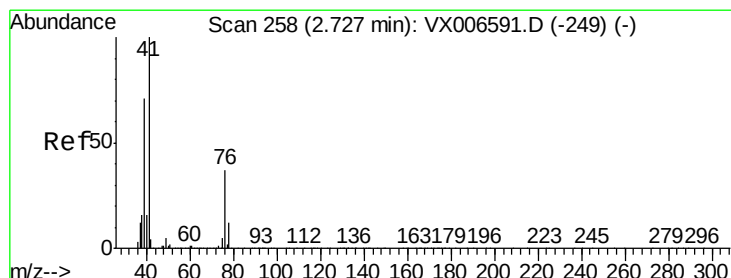
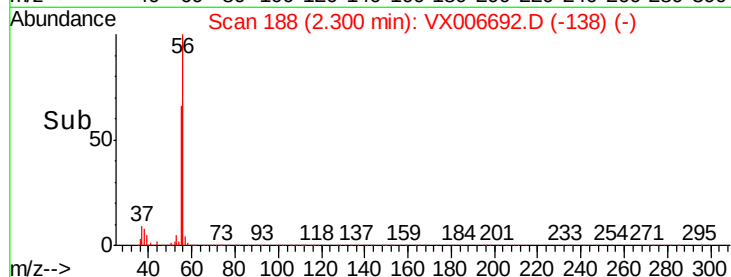
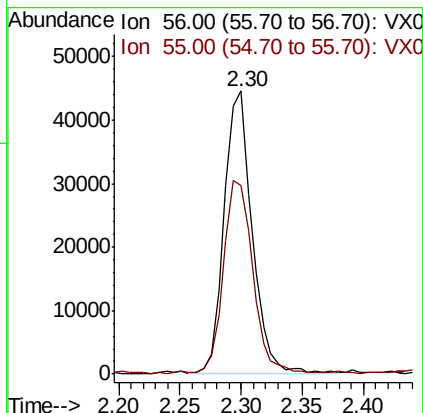
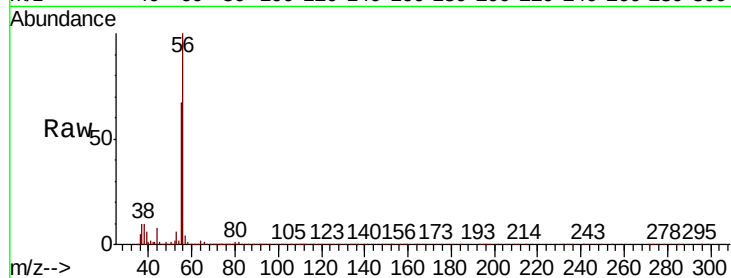
VX1220WBSD02

Tot Ion: 56 Resp: 70378

Ion Ratio Lower Upper

56 100

55 71.5 58.2 87.4



#14

Allyl chloride

Concen: 19.563 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

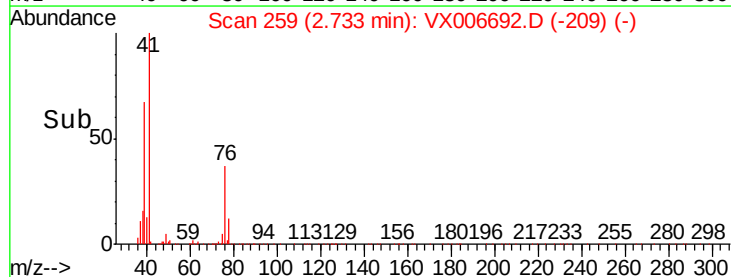
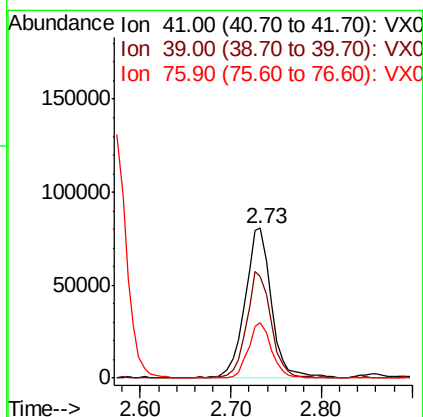
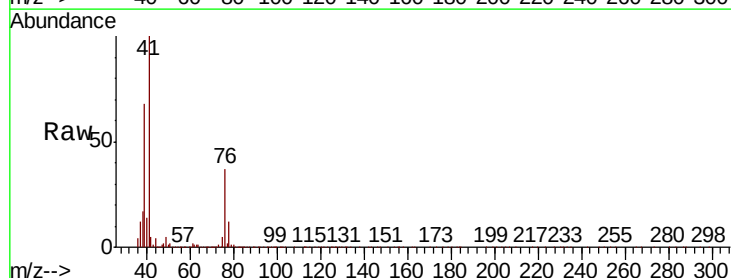
Tgt Ion: 41 Resp: 162956

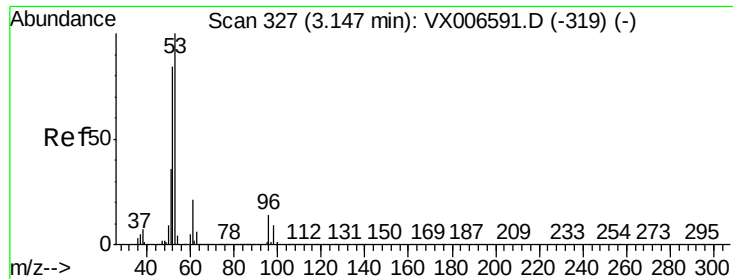
Ion Ratio Lower Upper

41 100

39 64.8 53.6 80.4

76 32.2 27.4 41.2





#15

Acrylonitrile

Concen: 105.923 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

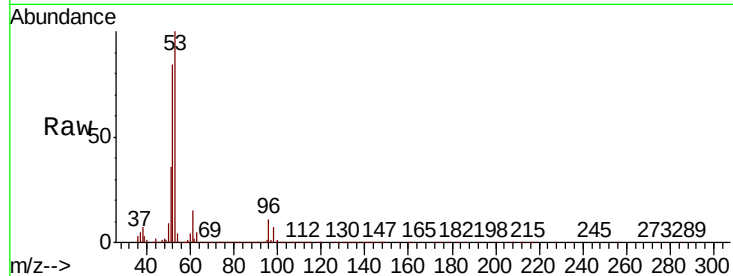
Tot Ion: 53 Resp: 313303

Ion Ratio Lower Upper

53 100

52 83.5 66.0 99.0

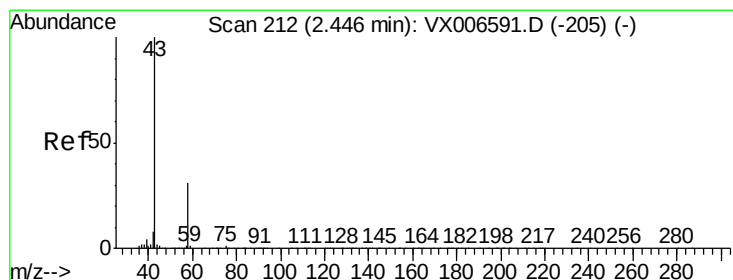
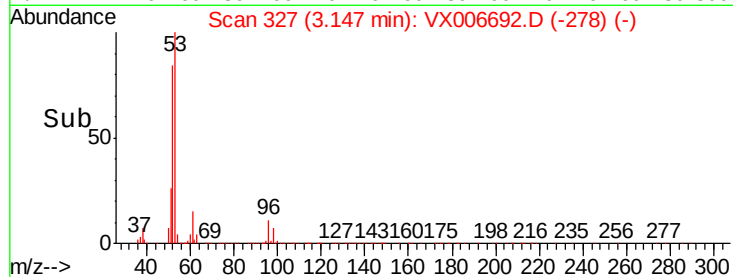
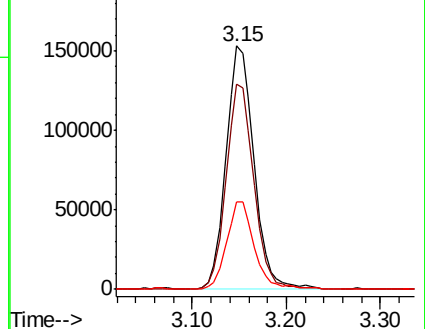
51 35.8 28.6 42.8



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: 96.249 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006692.D

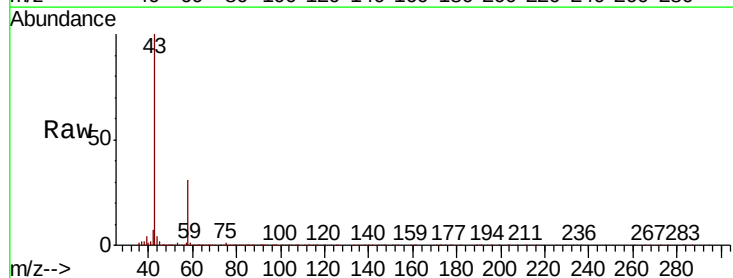
Acq: 20 Dec 2018 23:20

Tgt Ion: 43 Resp: 263958

Ion Ratio Lower Upper

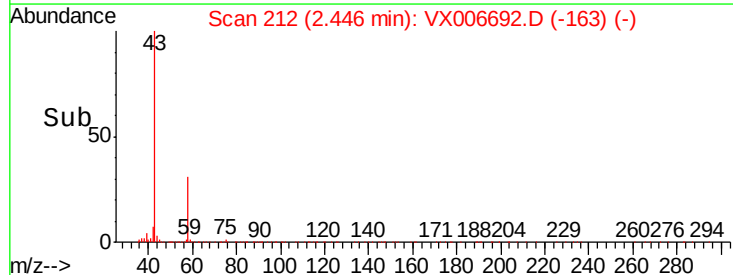
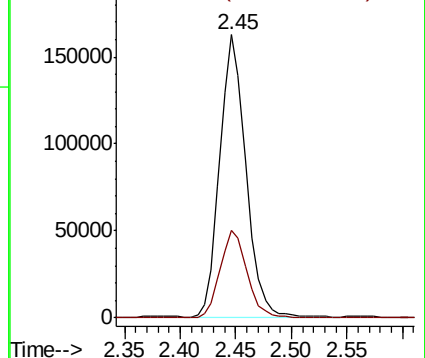
43 100

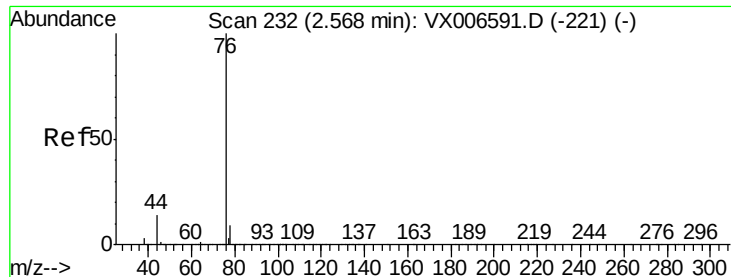
58 30.9 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 16.303 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

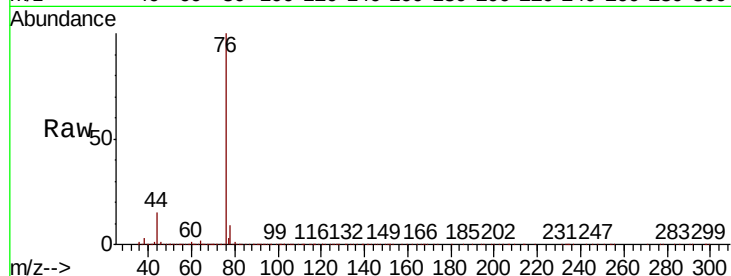
VX1220WBSD02

Tot Ion: 76 Resp: 213504

Ion Ratio Lower Upper

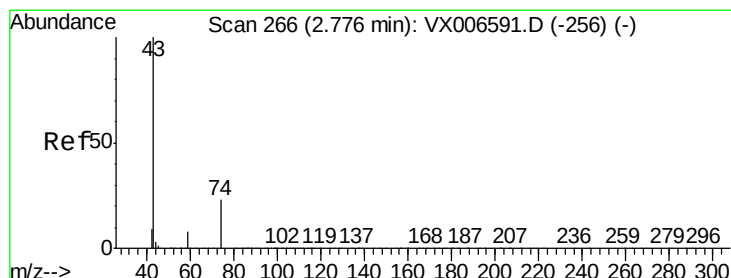
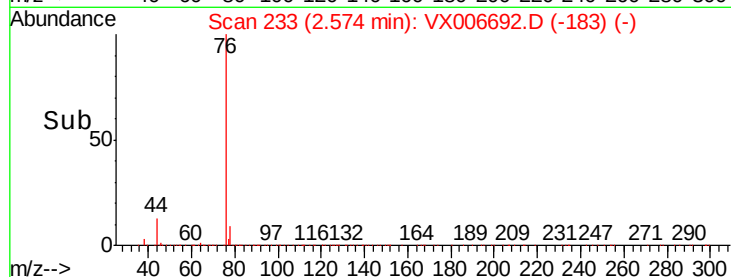
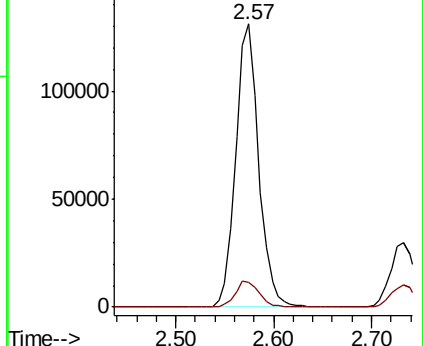
76 100

78 8.7 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 22.449 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX006692.D

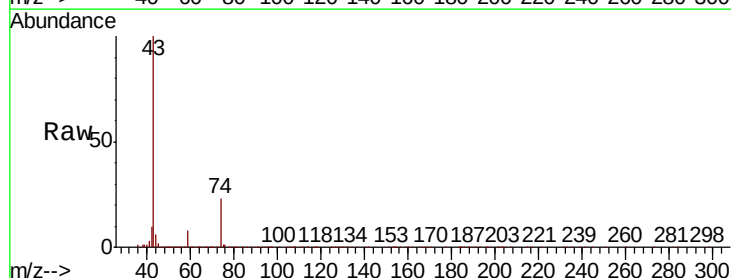
Acq: 20 Dec 2018 23:20

Tgt Ion: 43 Resp: 181032

Ion Ratio Lower Upper

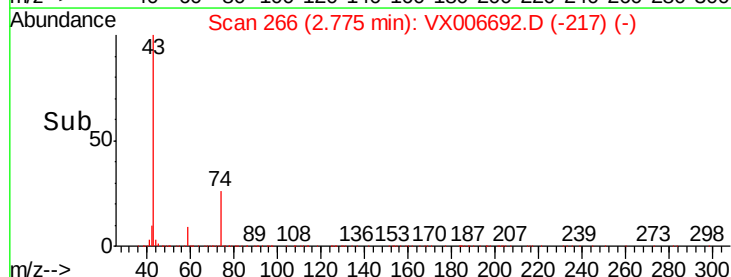
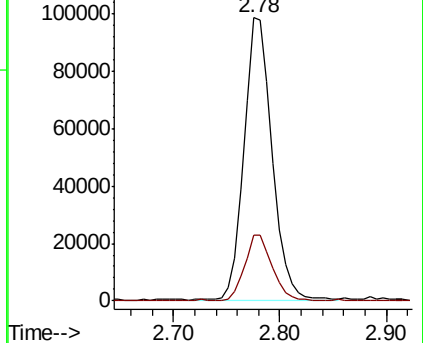
43 100

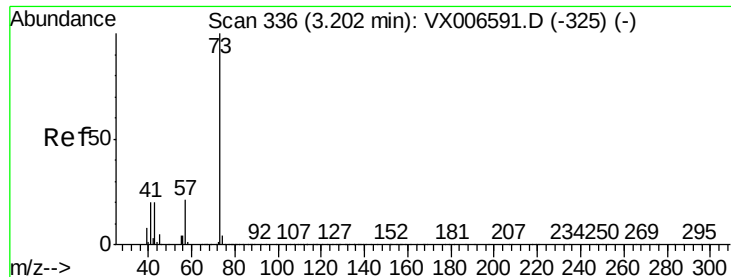
74 22.3 18.6 28.0



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: 20.788 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

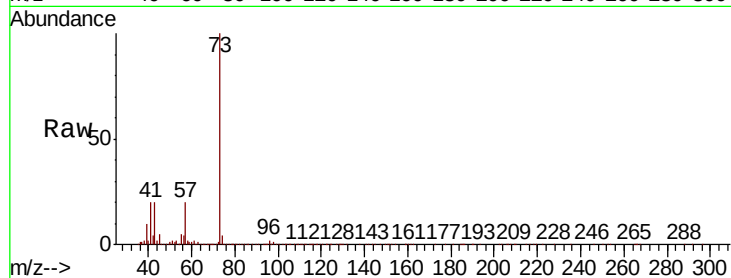
VX1220WBSD02

Tot Ion: 73 Resp: 341433

Ion Ratio Lower Upper

73 100

57 20.2 16.8 25.2



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

150000

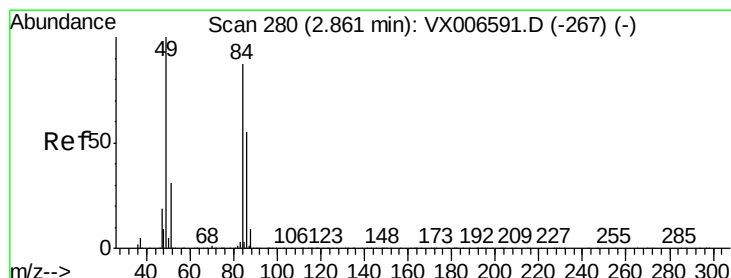
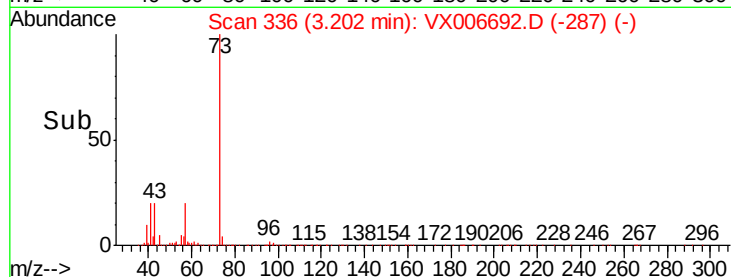
100000

50000

0

3.10 3.20 3.30

Time-->



#20

Methylene Chloride

Concen: 19.672 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Tgt Ion: 84 Resp: 111559

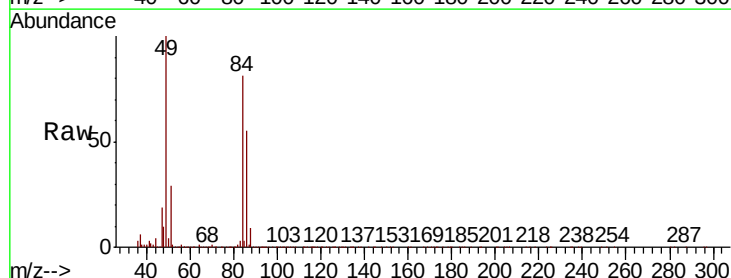
Ion Ratio Lower Upper

84 100

49 123.4 91.8 137.6

51 35.0 28.5 42.7

86 67.3 50.2 75.2



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

100000

80000

60000

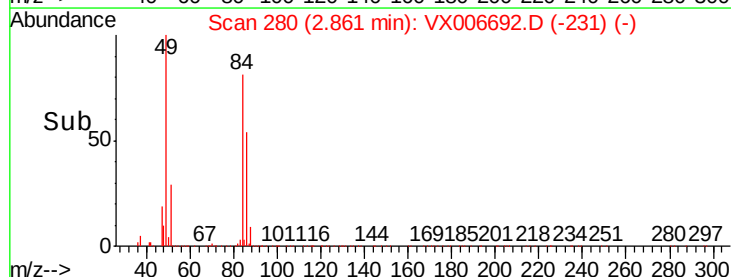
40000

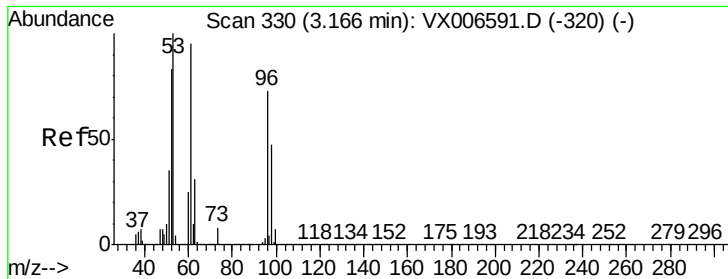
20000

0

2.80 2.90 3.00

Time-->





#21

trans-1,2-Dichloroethene

Concen: 18.812 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

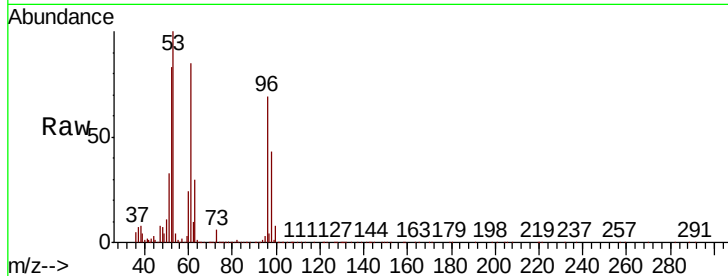
Tot Ion: 96 Resp: 103149

Ion Ratio Lower Upper

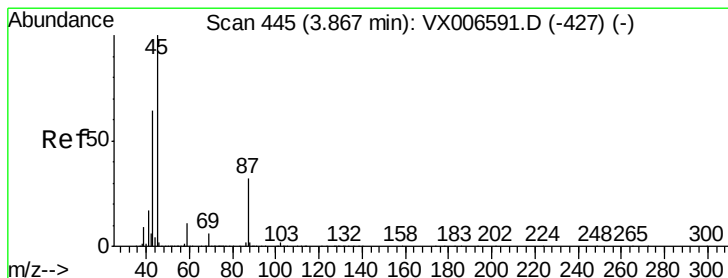
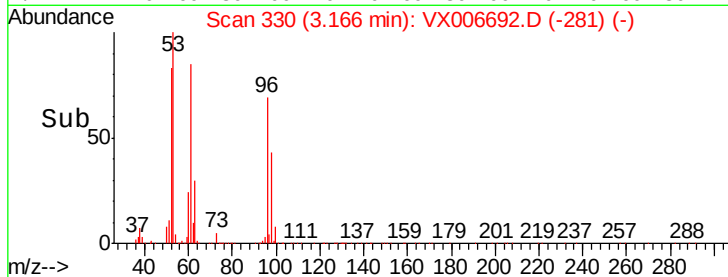
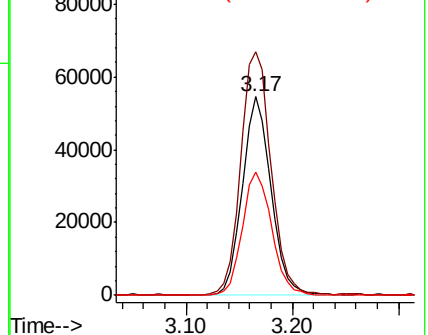
96 100

61 122.4 103.7 155.5

98 62.3 51.0 76.6



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



#22

Diisopropyl ether

Concen: 20.660 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Tgt Ion: 45 Resp: 314832

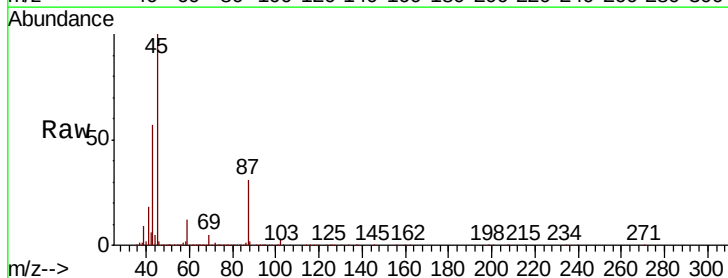
Ion Ratio Lower Upper

45 100

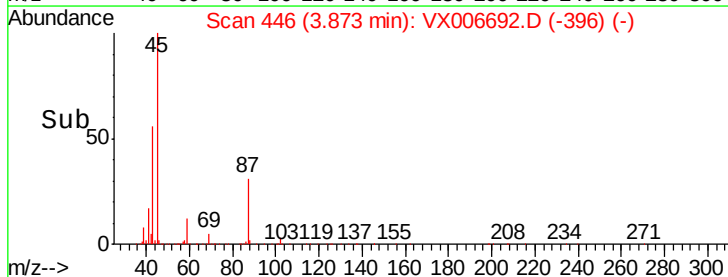
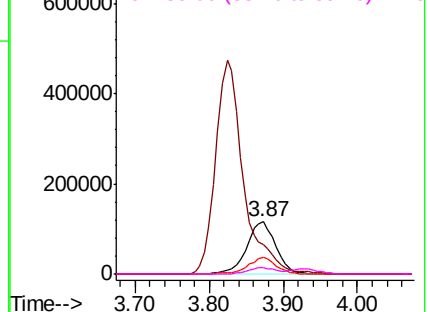
43 56.1 51.2 76.8

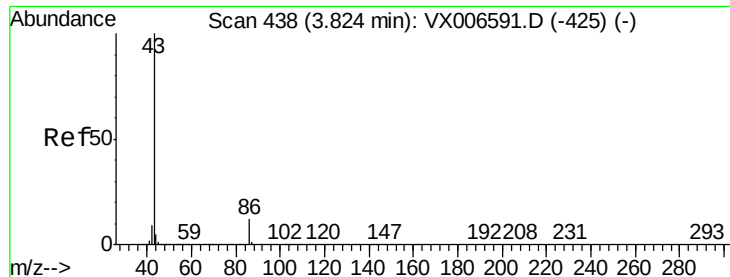
87 30.7 25.8 38.6

59 11.8 9.0 13.4



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: 98.884 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleID :

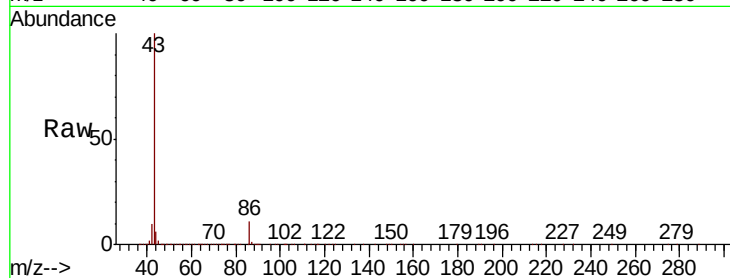
VX1220WBSD02

Tot Ion: 43 Resp: 1232546

Ion Ratio Lower Upper

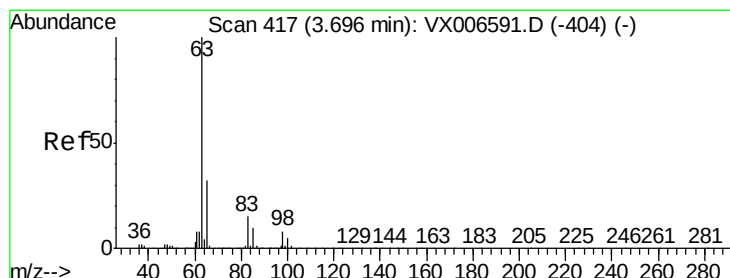
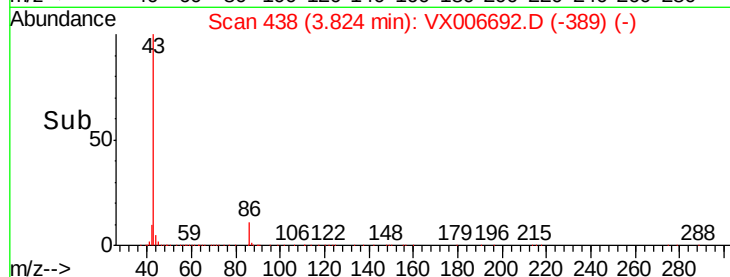
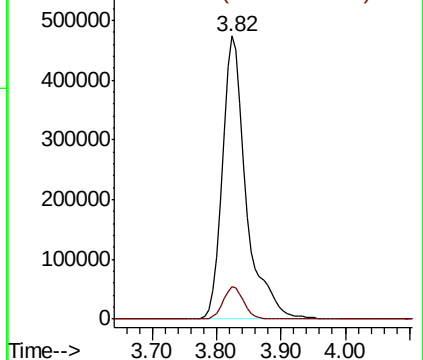
43 100

86 11.4 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.160 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

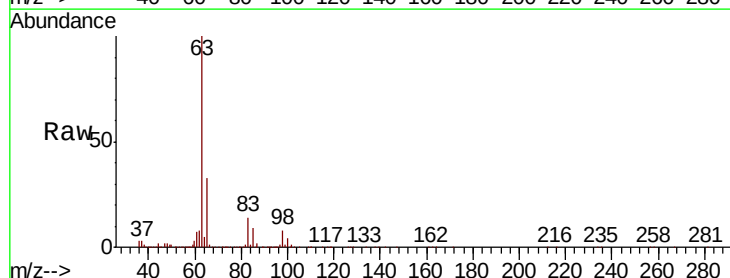
Tgt Ion: 63 Resp: 174291

Ion Ratio Lower Upper

63 100

98 8.0 3.9 11.5

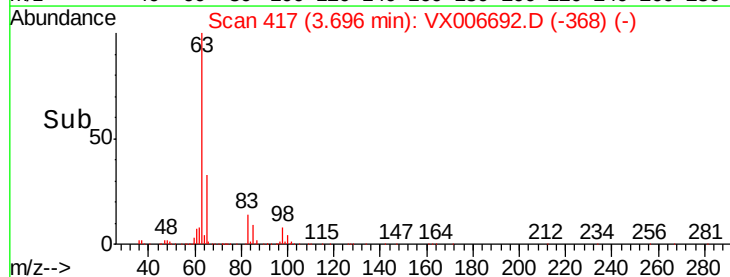
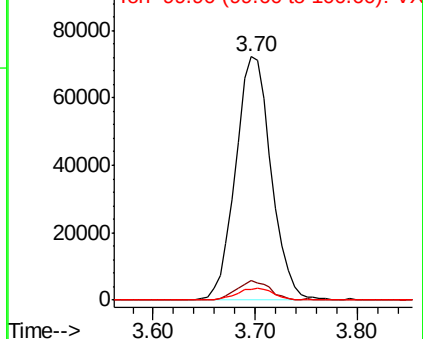
100 4.4 2.4 7.2

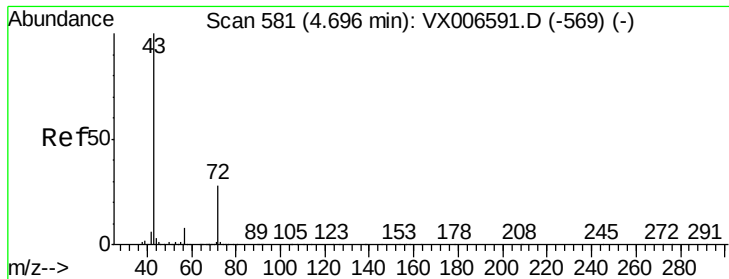


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 102.131 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

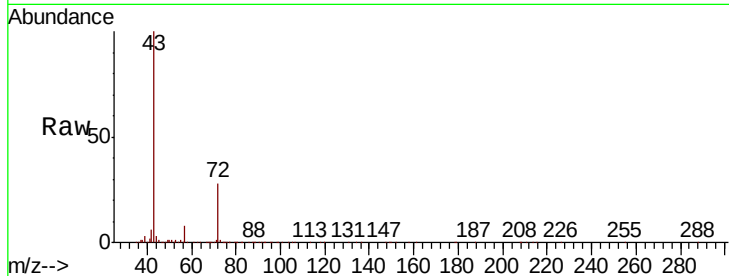
VX1220WBSD02

Tot Ion: 43 Resp: 393983

Ion Ratio Lower Upper

43 100

72 28.2 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

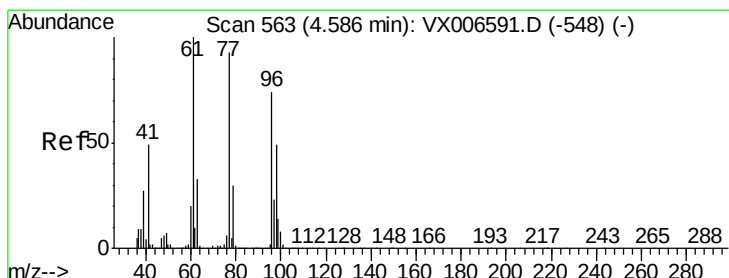
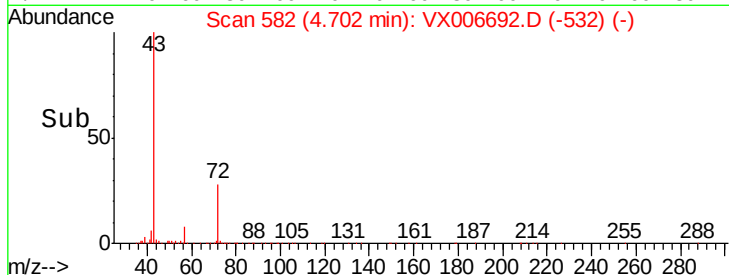
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 15.130 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006692.D

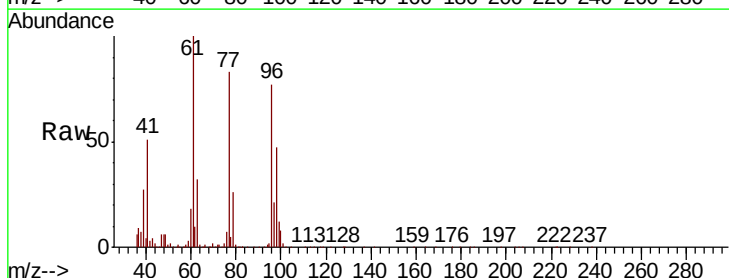
Acq: 20 Dec 2018 23:20

Tgt Ion: 77 Resp: 106315

Ion Ratio Lower Upper

77 100

97 26.3 12.4 37.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

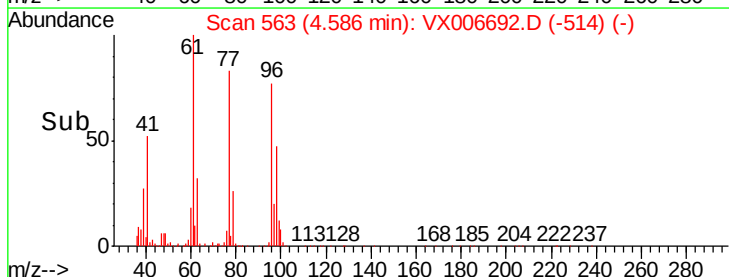
20000

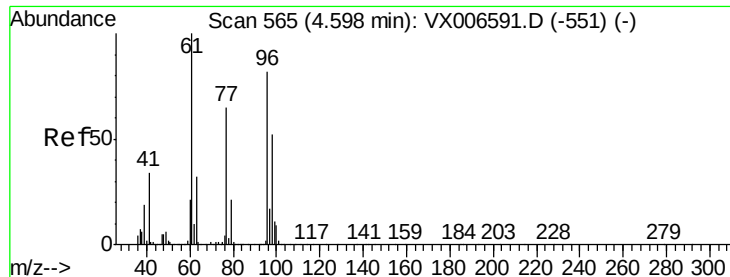
10000

0

4.50 4.60 4.70

Time-->



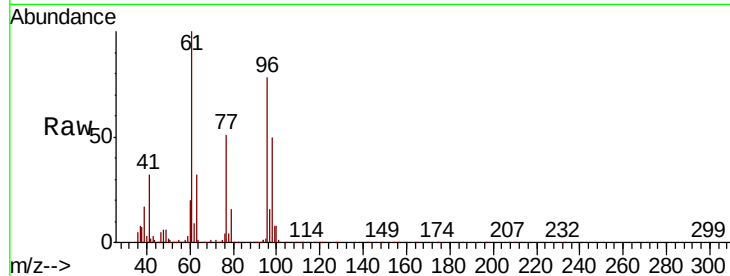


#27

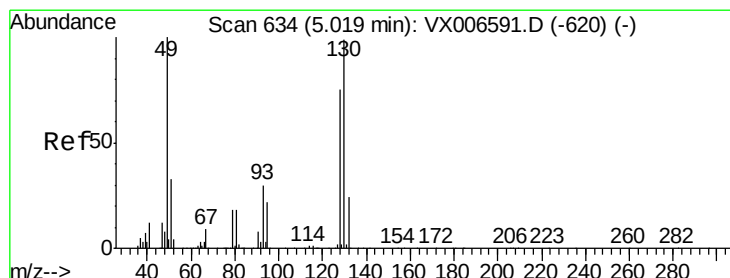
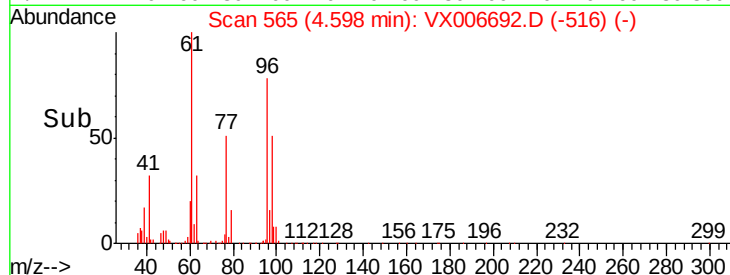
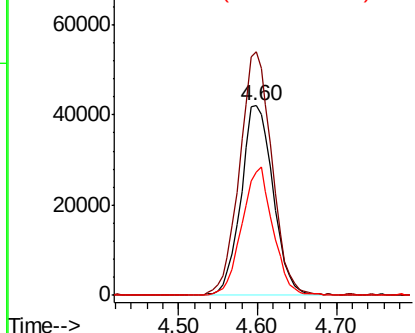
cis-1,2-Dichloroethene
 Concen: 19.607 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX006692.D
 Acq: 20 Dec 2018 23:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.4	0.0	258.6
98	65.6	0.0	132.0



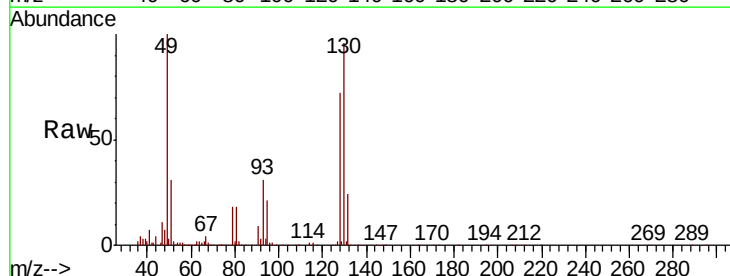
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



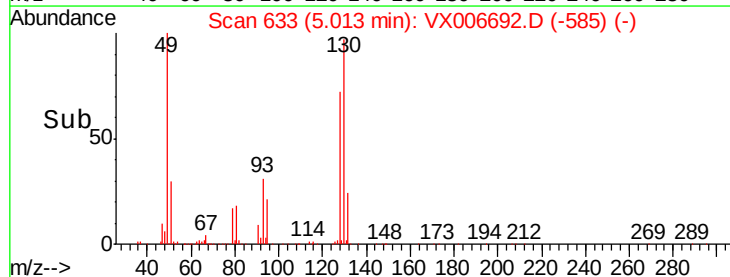
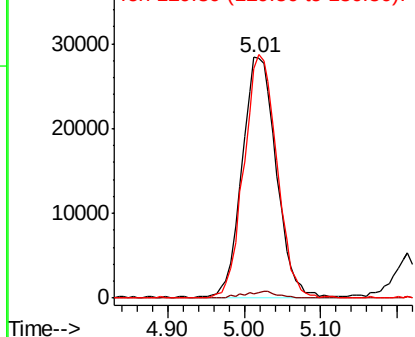
#28

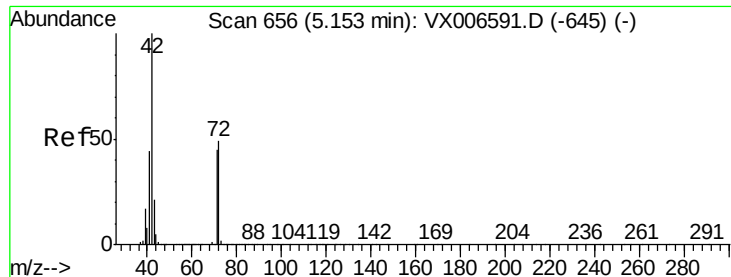
Bromochloromethane
 Concen: 21.902 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX006692.D
 Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.4
130	97.8	77.7	116.5



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: 105.166 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

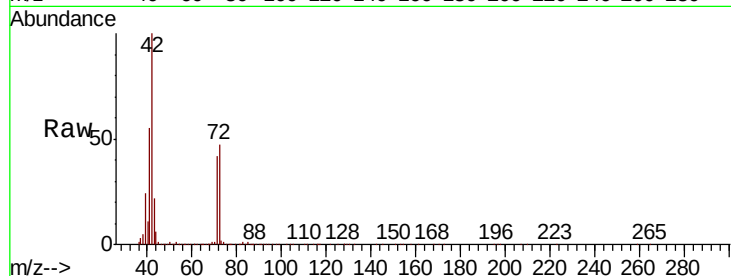
Tot Ion: 42 Resp: 267199

Ion Ratio Lower Upper

42 100

72 47.9 38.9 58.3

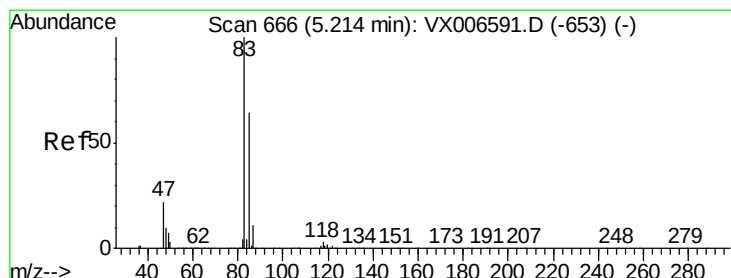
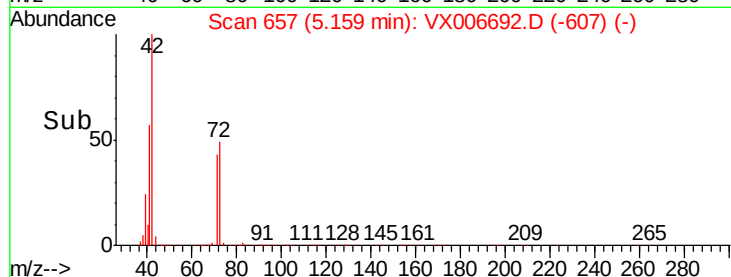
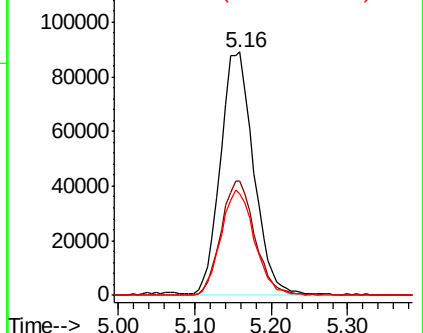
71 44.1 36.2 54.4



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 19.926 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX006692.D

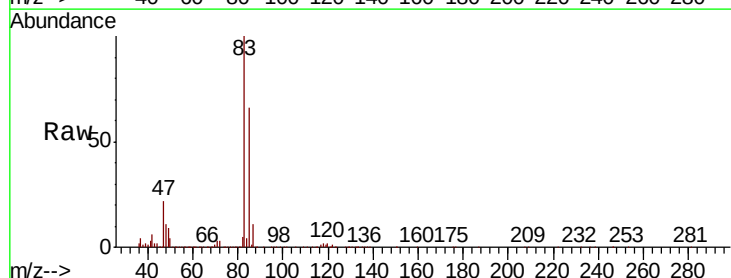
Acq: 20 Dec 2018 23:20

Tgt Ion: 83 Resp: 187704

Ion Ratio Lower Upper

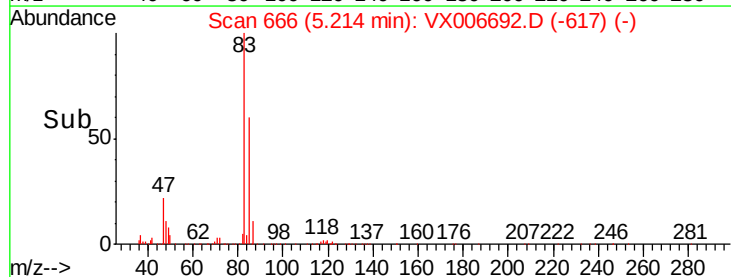
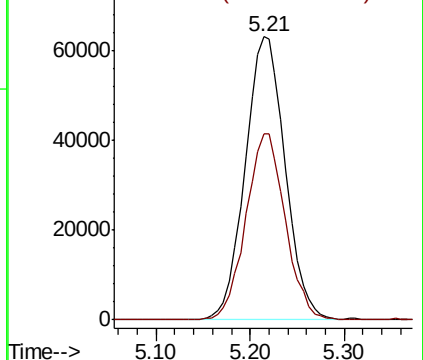
83 100

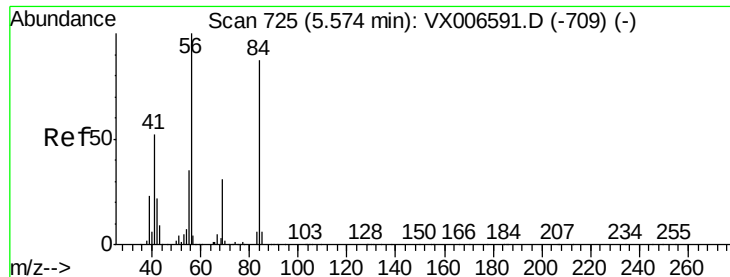
85 65.4 51.2 76.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

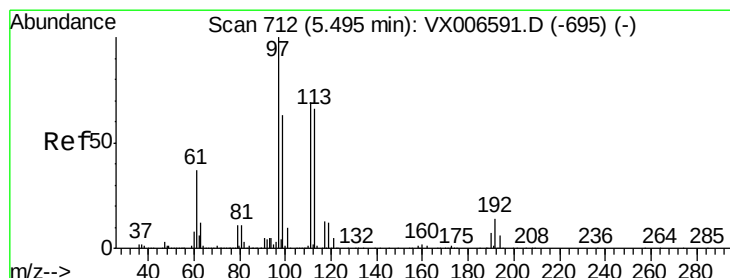
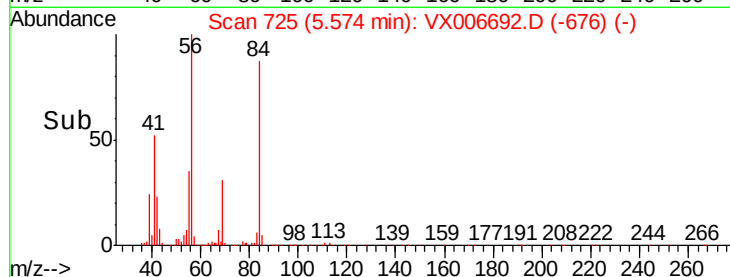
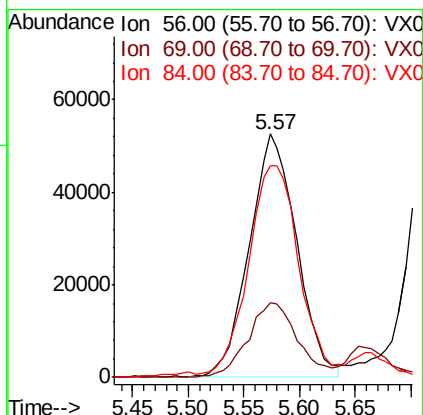
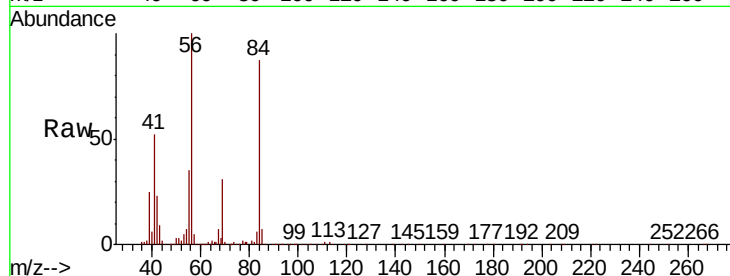




#31
Cyclohexane
Concen: 18.711 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

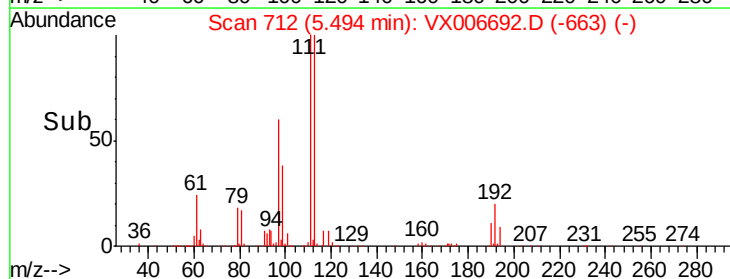
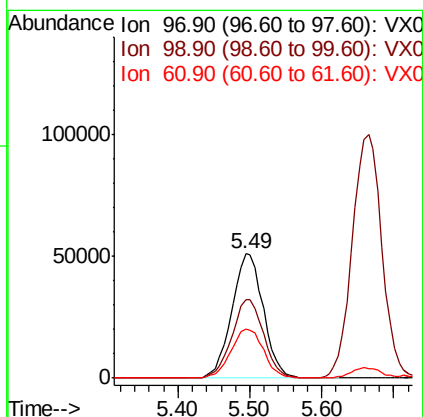
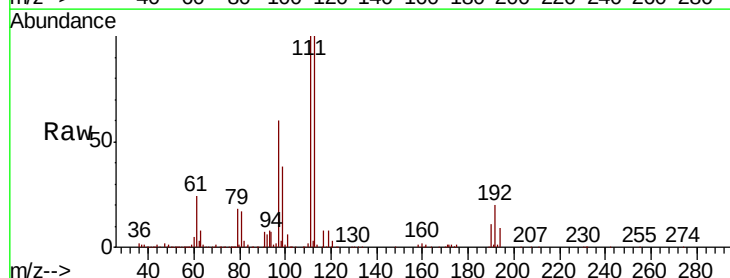
Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

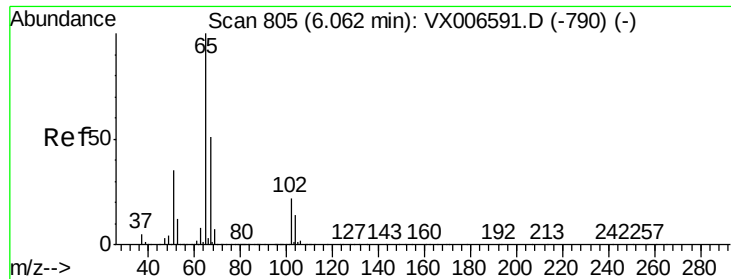
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.4	36.6
84	85.1	70.0	105.0



#32
1,1,1-Trichloroethane
Concen: 19.493 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.7	77.5
61	40.9	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 50.770 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

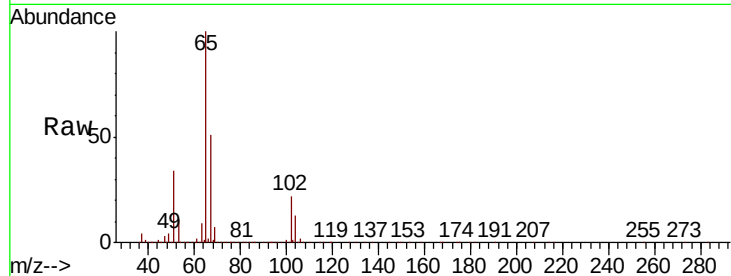
VX1220WBSD02

Tot Ion: 65 Resp: 303058

Ion Ratio Lower Upper

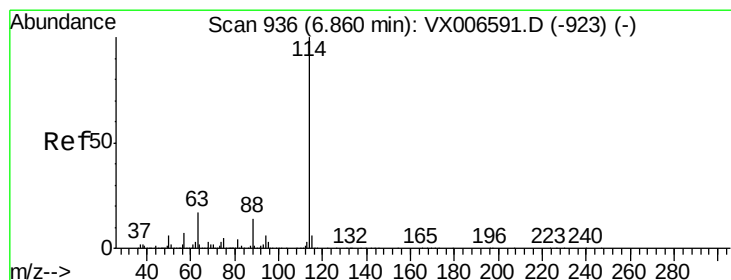
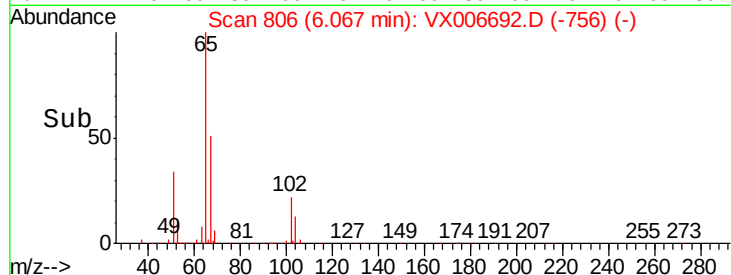
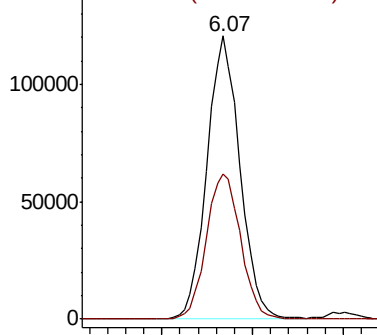
65 100

67 53.5 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

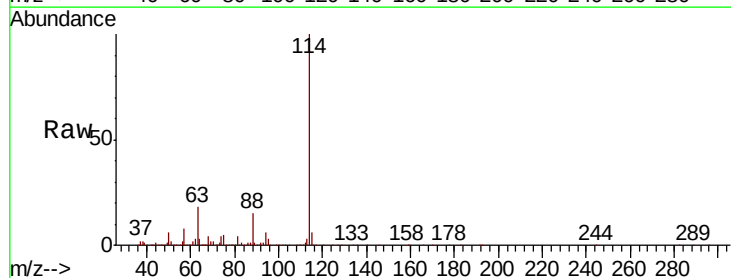
Tgt Ion: 114 Resp: 856417

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.8

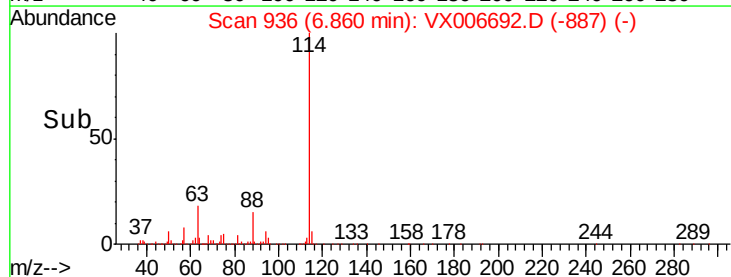
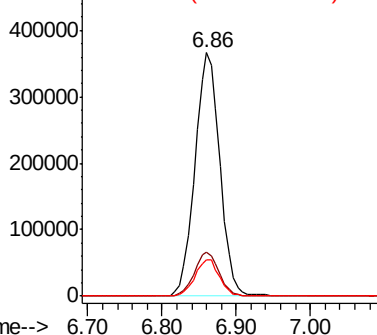
88 14.9 0.0 28.8

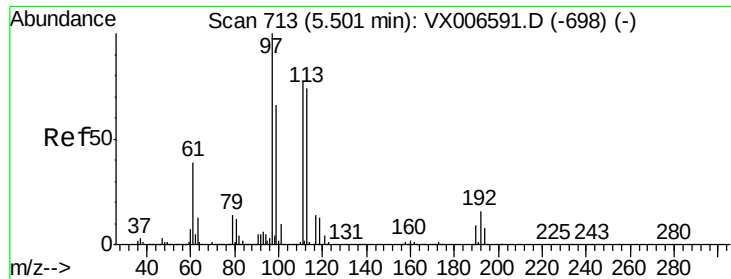


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.330 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

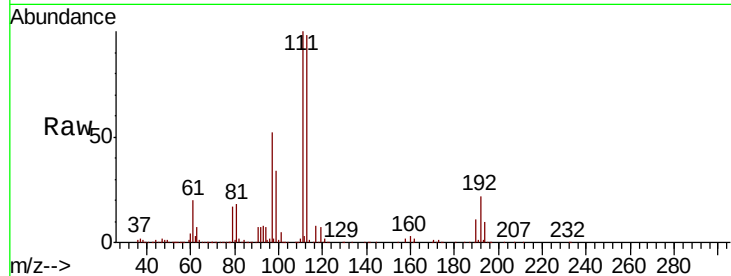
Tot Ion:113 Resp: 267160

Ion Ratio Lower Upper

113 100

111 102.5 81.6 122.4

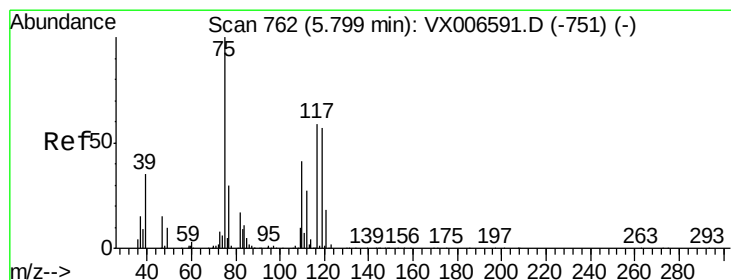
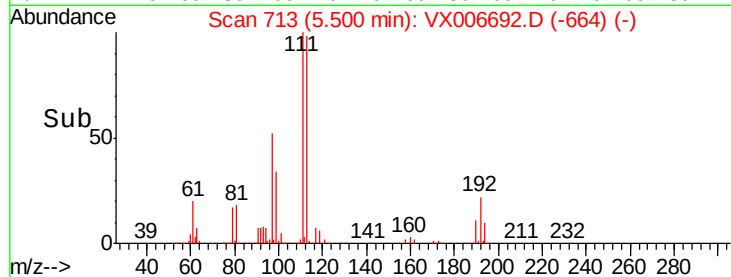
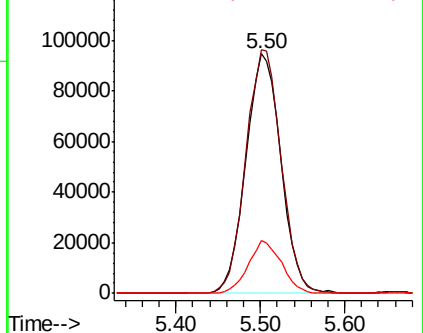
192 20.9 16.7 25.1



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: 18.856 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

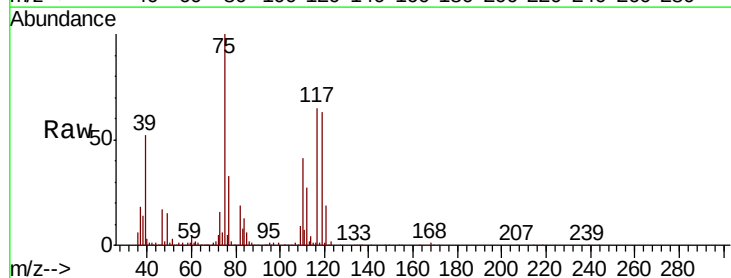
Tgt Ion: 75 Resp: 133751

Ion Ratio Lower Upper

75 100

110 41.7 20.2 60.5

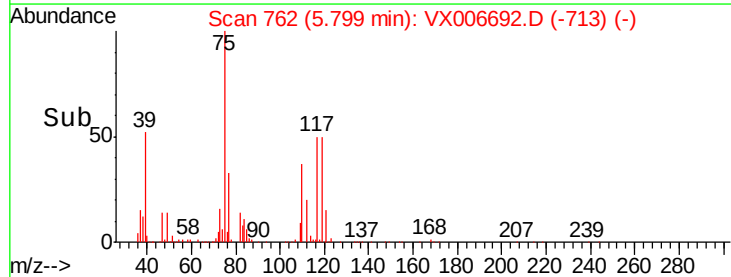
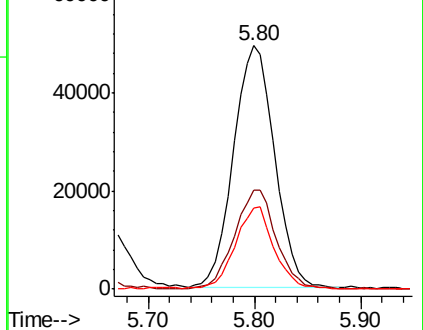
77 31.6 24.8 37.2

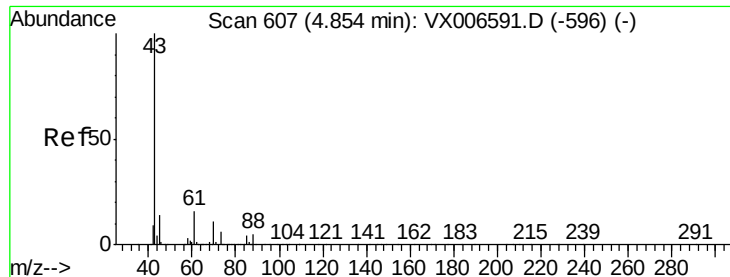


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

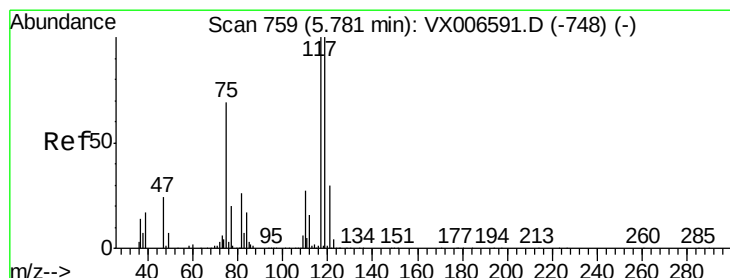
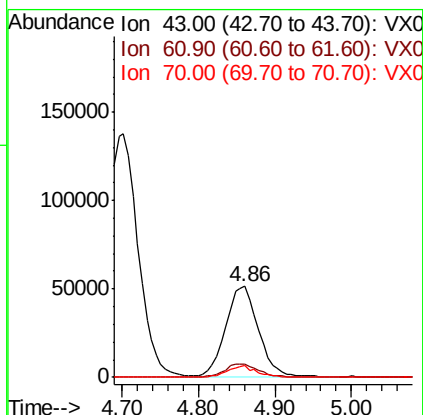
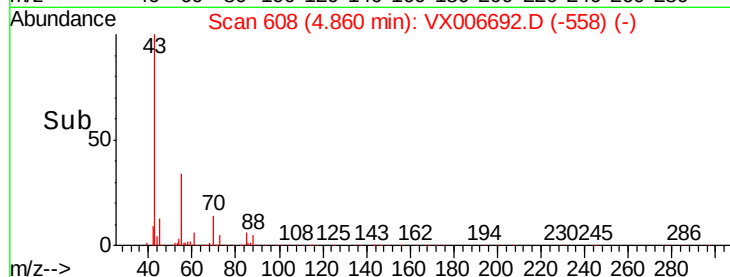
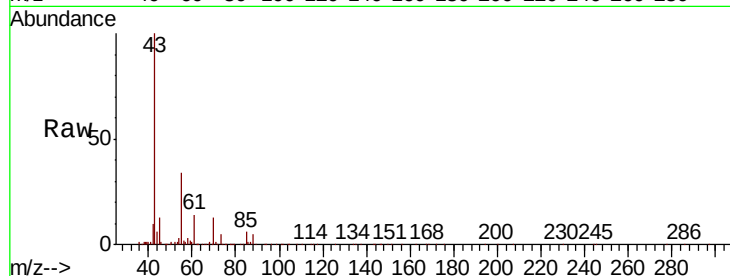




#37
Ethyl Acetate
Concen: 20.558 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

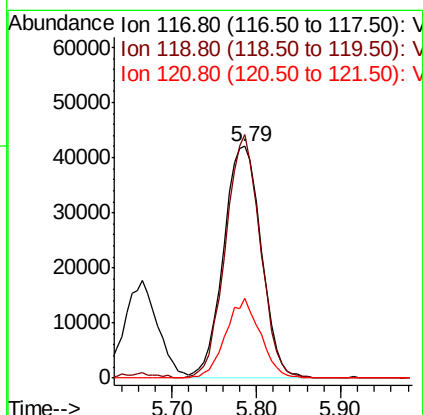
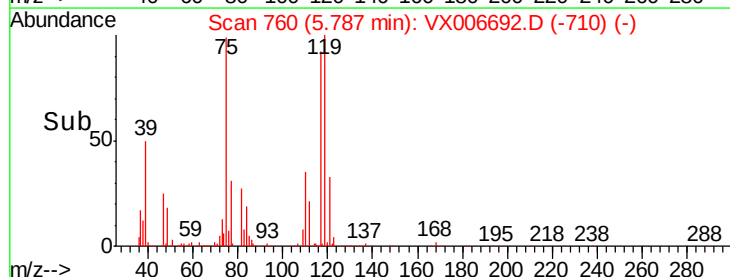
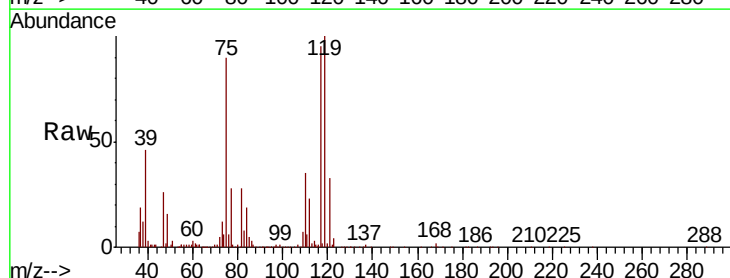
Instrument :
MSVOA_X
ClientSampleID :
VX1220WBSD02

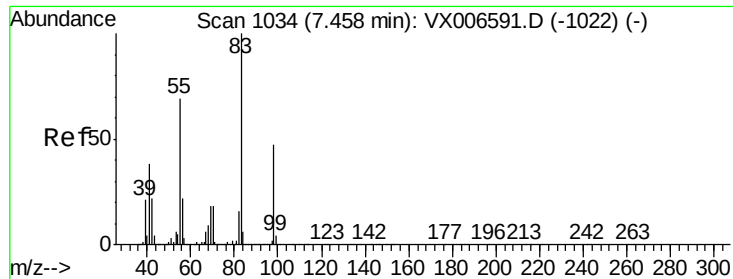
Tot Ion: 43 Resp: 151772
Ion Ratio Lower Upper
43 100
61 14.8 11.9 17.9
70 11.5 9.7 14.5



#38
Carbon Tetrachloride
Concen: 18.608 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion: 117 Resp: 128273
Ion Ratio Lower Upper
117 100
119 104.6 79.4 119.2
121 34.5 24.0 36.0

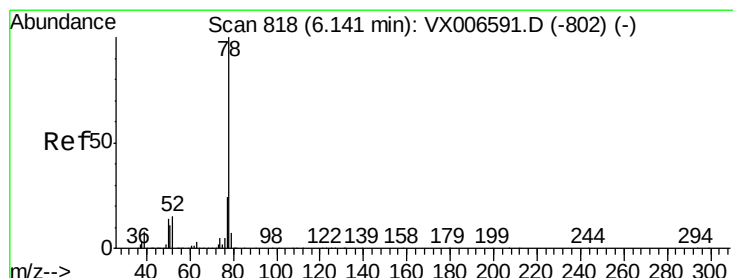
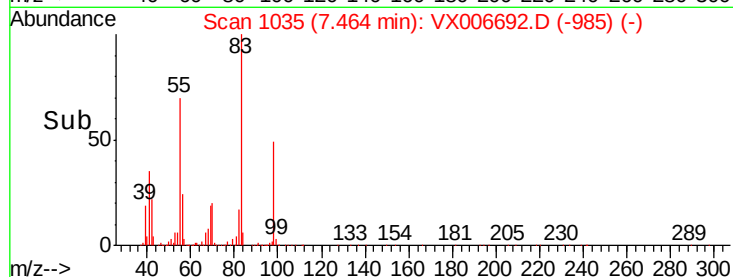
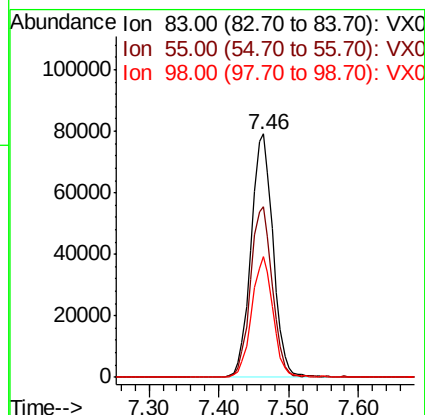
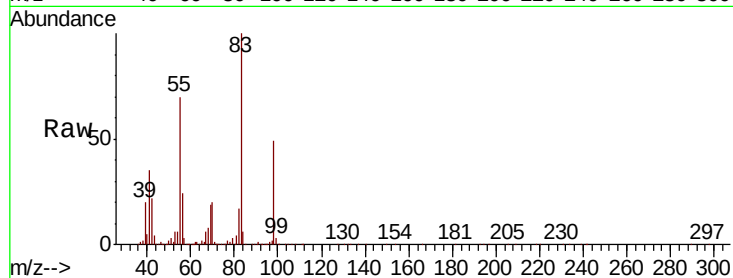




#39
Methylvlcyclohexane
Concen: 18.575 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

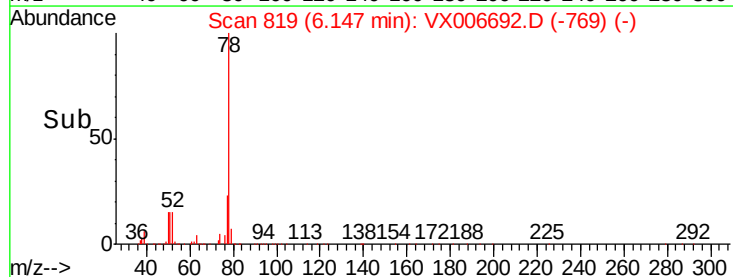
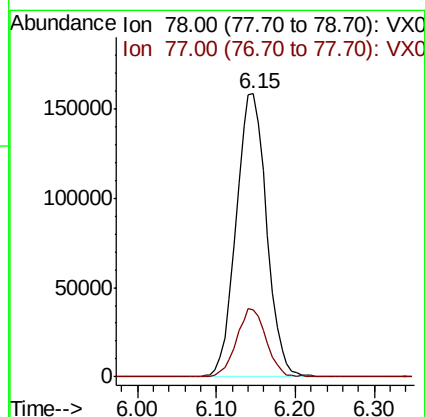
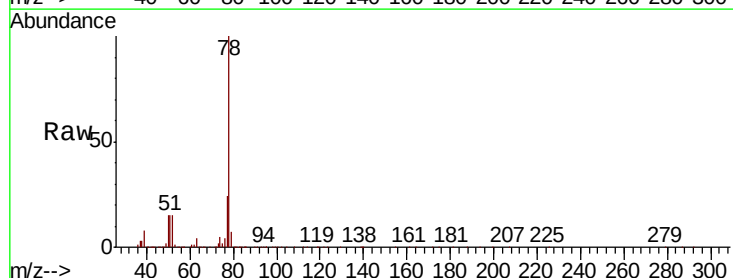
Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

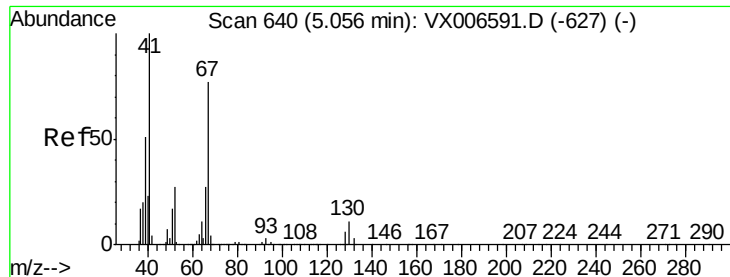
Tot Ion: 83 Resp: 173459
Ion Ratio Lower Upper
83 100
55 69.6 54.9 82.3
98 49.3 37.9 56.9



#40
Benzene
Concen: 19.761 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion: 78 Resp: 426067
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8





#41

Methacrylonitrile

Concen: 21.193 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

Tot Ion: 41 Resp: 83066

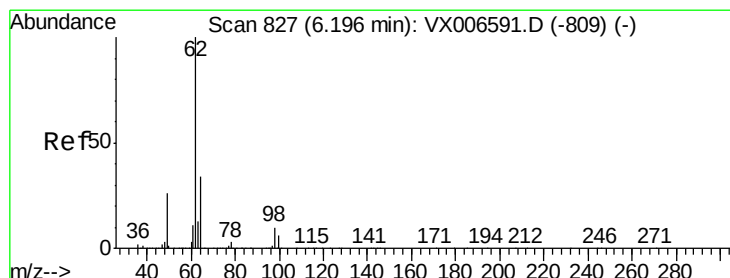
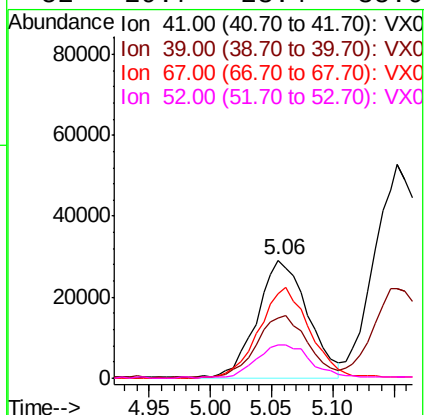
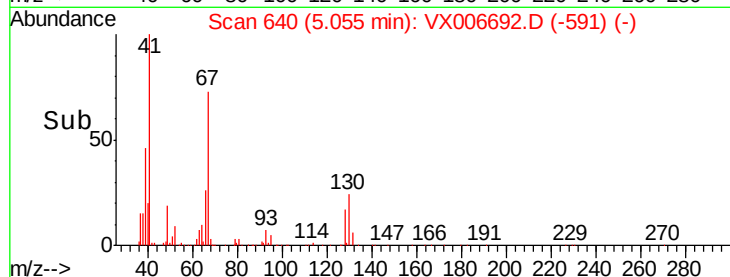
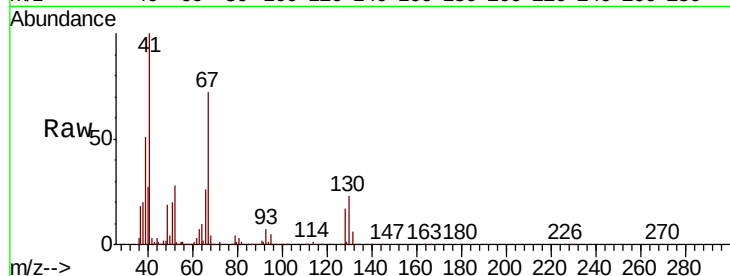
Ion Ratio Lower Upper

41 100

39 53.3 42.8 64.2

67 77.5 62.1 93.1

52 29.7 23.4 35.0



#42

1,2-Dichloroethane

Concen: 19.427 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX006692.D

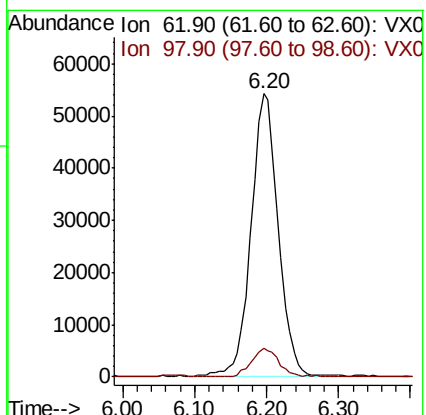
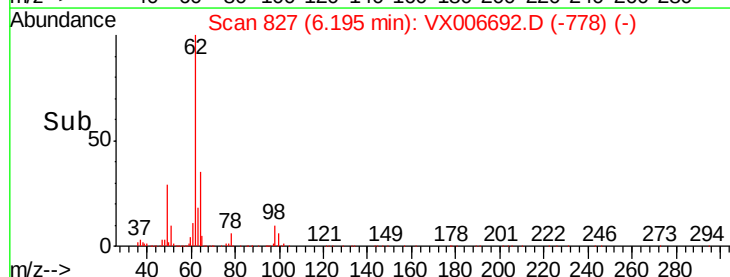
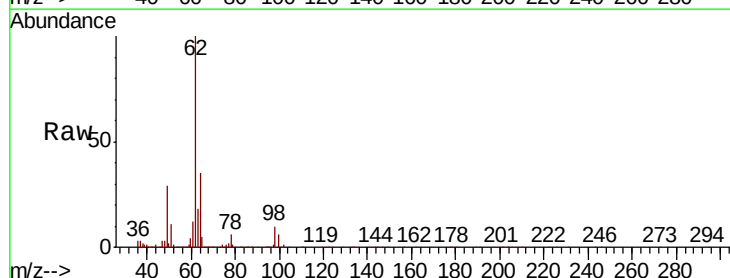
Acq: 20 Dec 2018 23:20

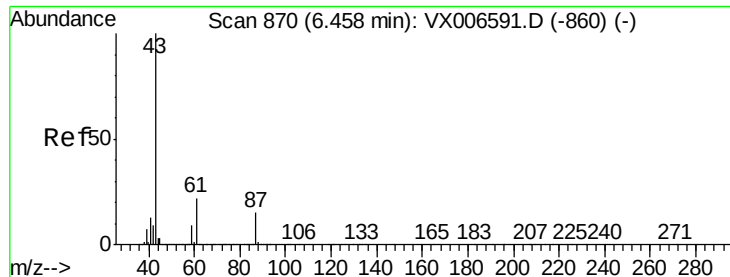
Tgt Ion: 62 Resp: 142732

Ion Ratio Lower Upper

62 100

98 10.2 0.0 20.2





#43

Isopropyl Acetate

Concen: 20.304 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

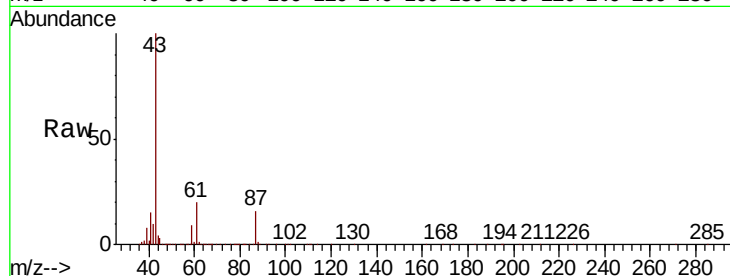
Tot Ion: 43 Resp: 228075

Ion Ratio Lower Upper

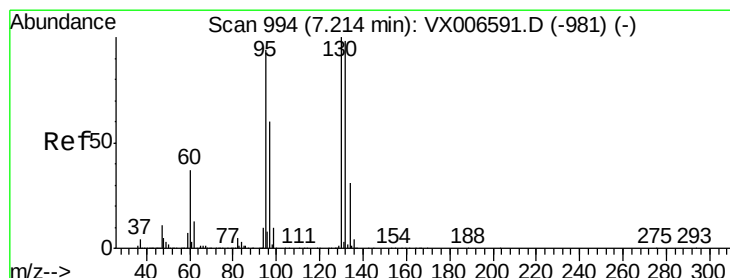
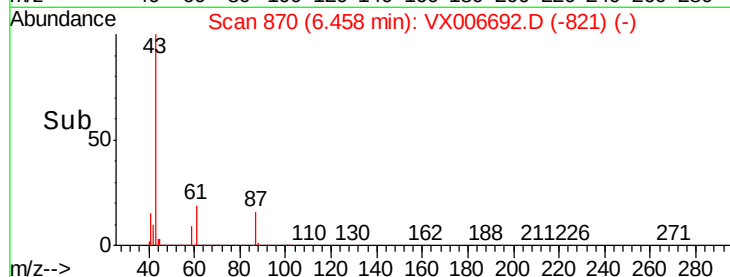
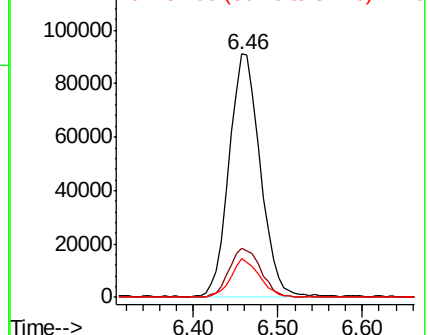
43 100

61 20.4 16.8 25.2

87 14.6 12.4 18.6



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



#44

Trichloroethene

Concen: 18.929 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006692.D

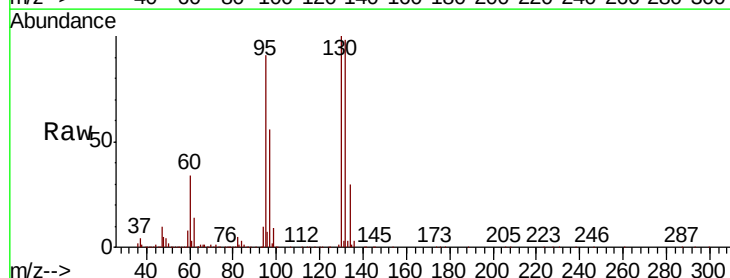
Acq: 20 Dec 2018 23:20

Tgt Ion:130 Resp: 123529

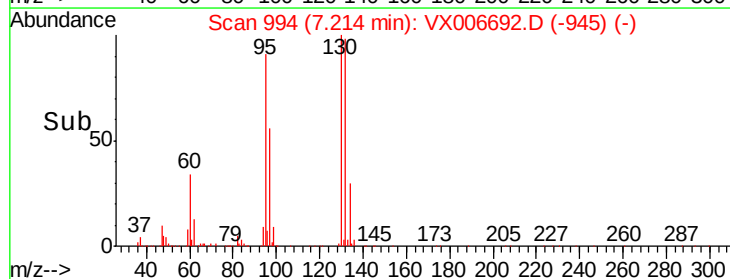
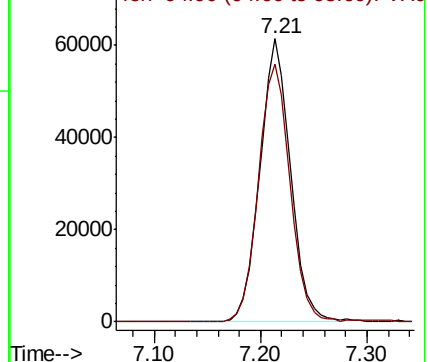
Ion Ratio Lower Upper

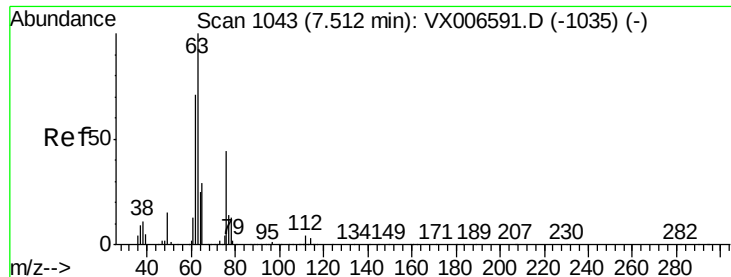
130 100

95 91.1 0.0 187.0



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





#45

1,2-Dichloropropane

Concen: 20.335 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

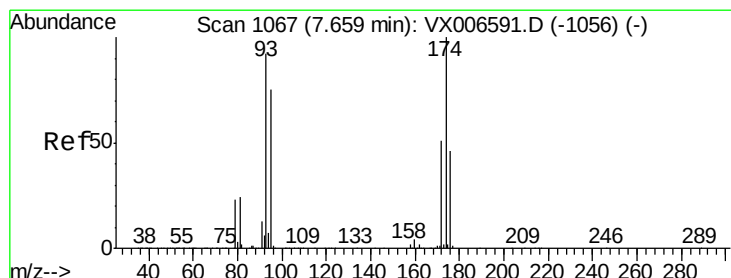
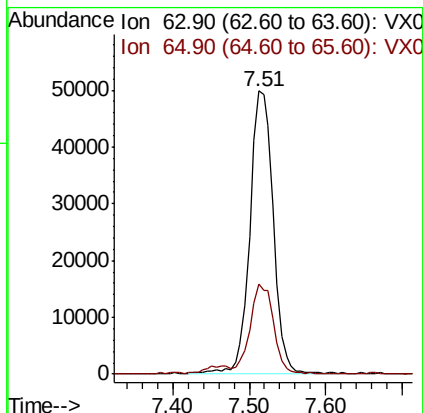
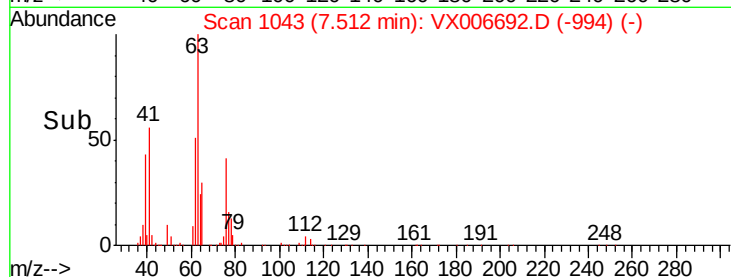
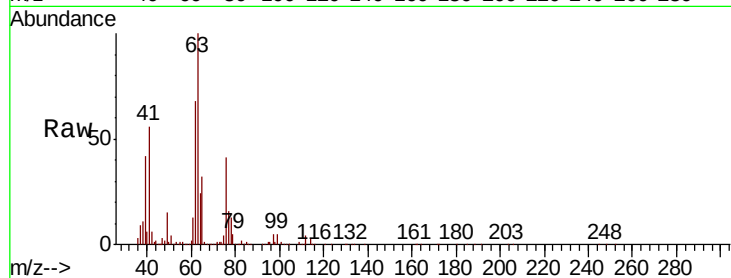
VX1220WBSD02

Tot Ion: 63 Resp: 106695

Ion Ratio Lower Upper

63 100

65 31.6 25.4 38.0



#46

Dibromomethane

Concen: 19.579 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

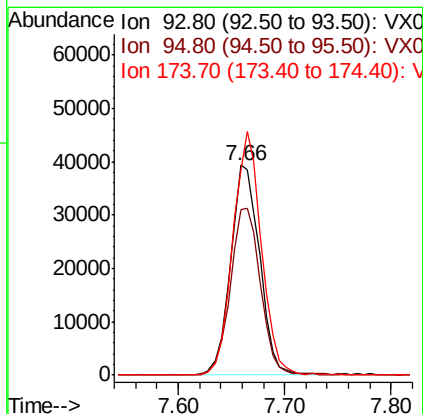
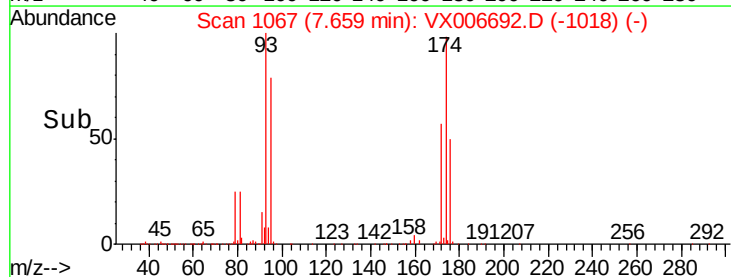
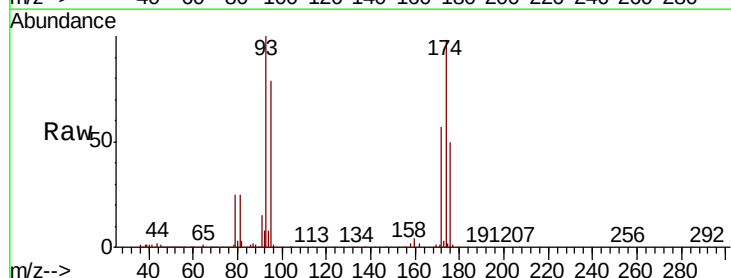
Tgt Ion: 93 Resp: 75562

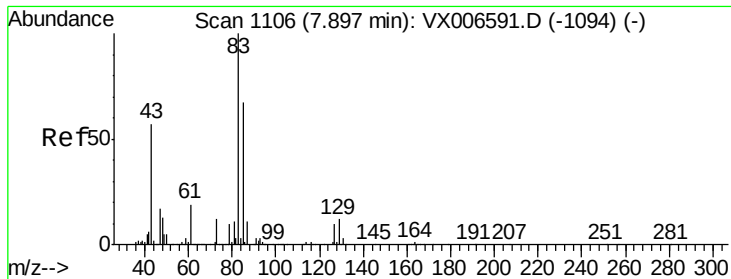
Ion Ratio Lower Upper

93 100

95 82.7 66.2 99.4

174 113.4 91.0 136.4





#47

Bromodichloromethane

Concen: 18.898 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

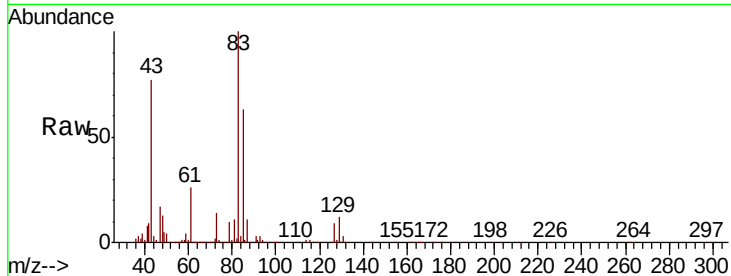
Tot Ion: 83 Resp: 121086

Ion Ratio Lower Upper

83 100

85 62.5 53.2 79.8

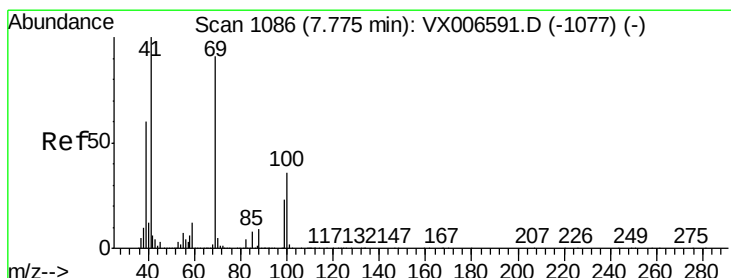
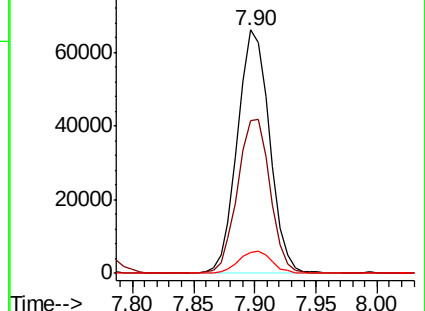
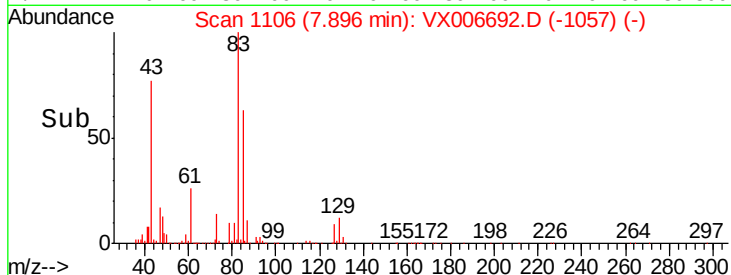
127 8.7 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.837 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

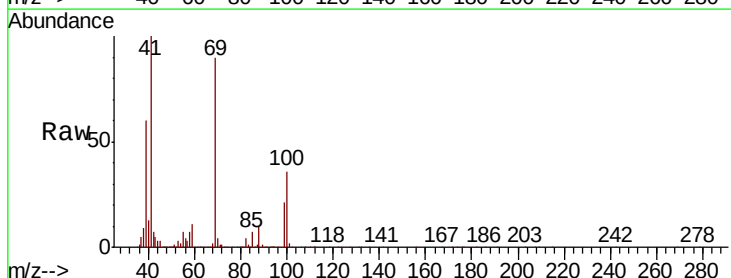
Tgt Ion: 41 Resp: 119026

Ion Ratio Lower Upper

41 100

69 90.0 72.4 108.6

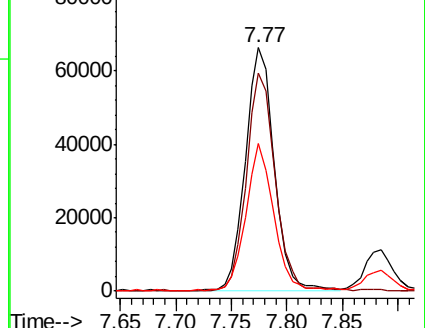
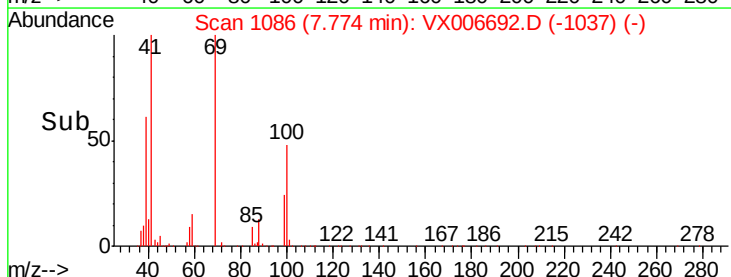
39 57.2 45.8 68.8

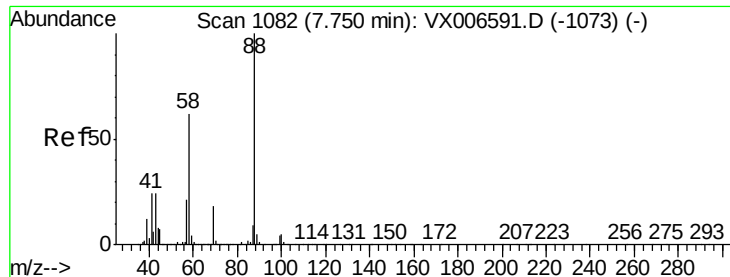


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 417.158 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

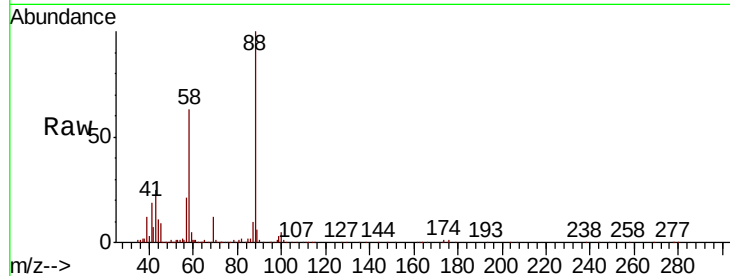
MSVOA_X

ClientSampleId :

VX1220WBSD02

Tot Ion: 88 Resp: 64080

Ion	Ratio	Lower	Upper
88	100		
43	27.8	22.2	33.4
58	64.5	51.0	76.4

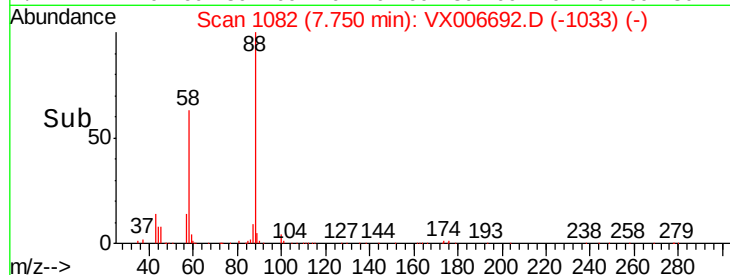


Abundance

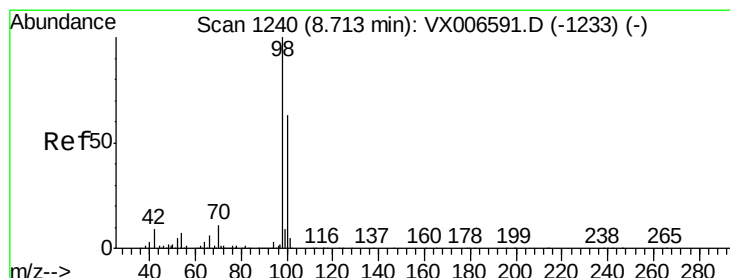
Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 49.931 ug/l

RT: 8.71 min Scan# 1240

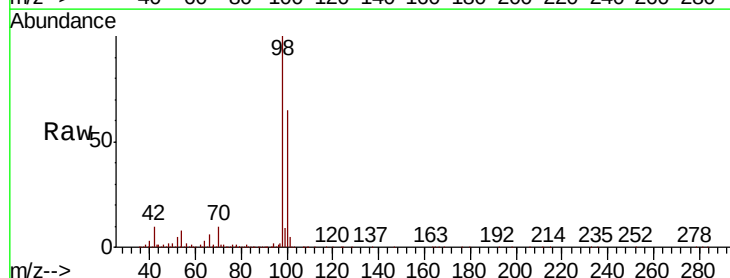
Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Tgt Ion: 98 Resp: 1019477

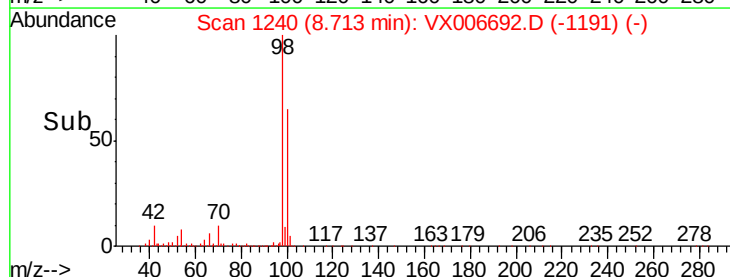
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0



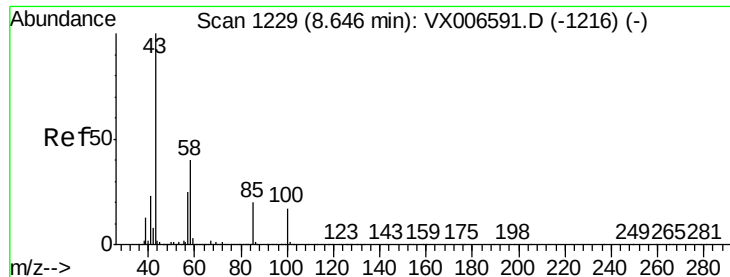
Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->



#51

4-Methyl-2-Pentanone

Concen: 107.707 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

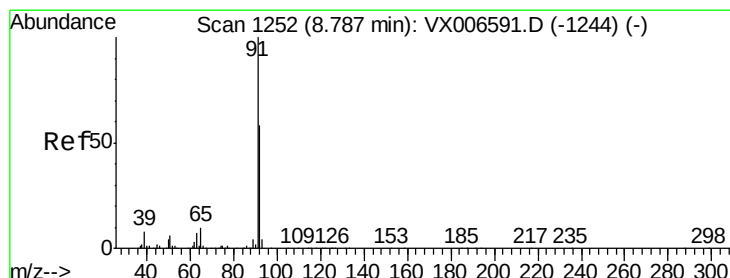
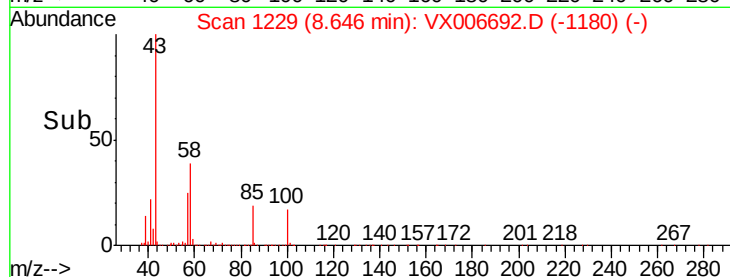
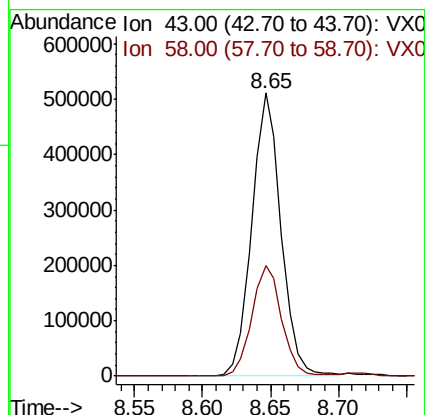
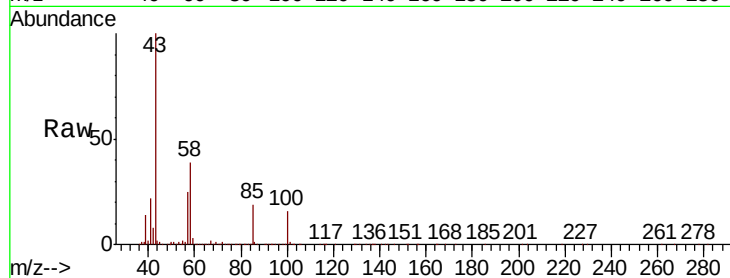
VX1220WBSD02

Tot Ion: 43 Resp: 769803

Ion Ratio Lower Upper

43 100

58 39.6 31.8 47.6



#52

Toluene

Concen: 19.847 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006692.D

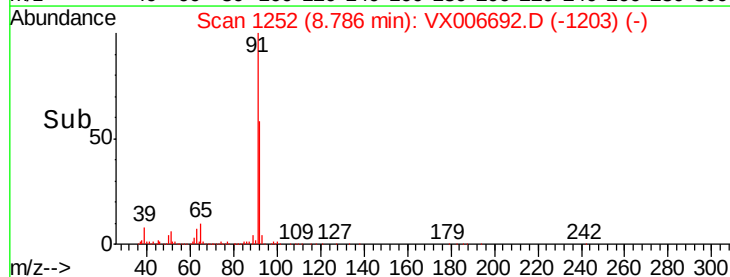
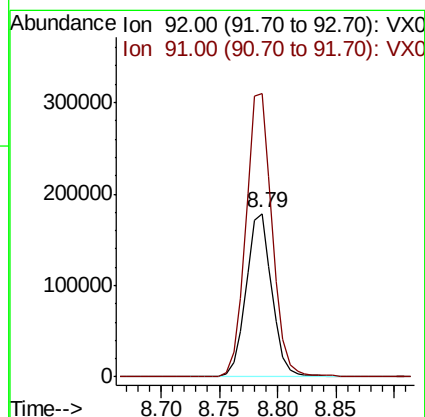
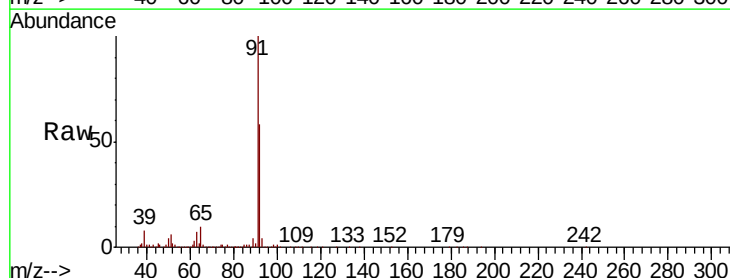
Acq: 20 Dec 2018 23:20

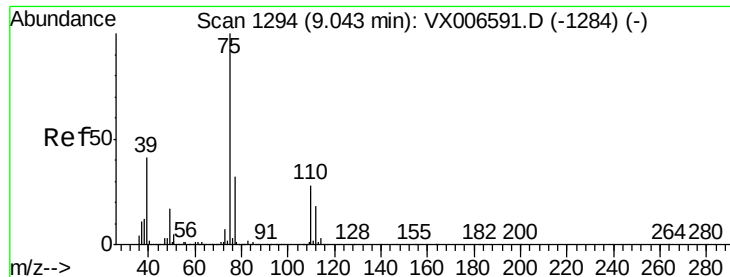
Tgt Ion: 92 Resp: 276449

Ion Ratio Lower Upper

92 100

91 176.6 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 17.607 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

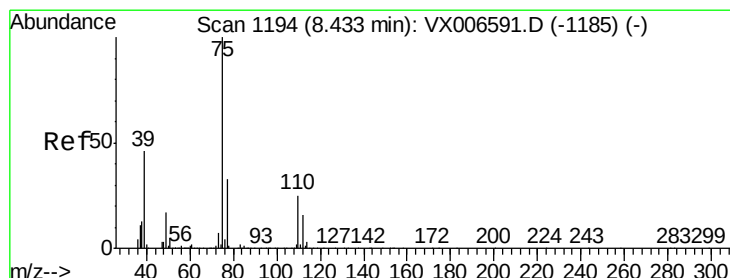
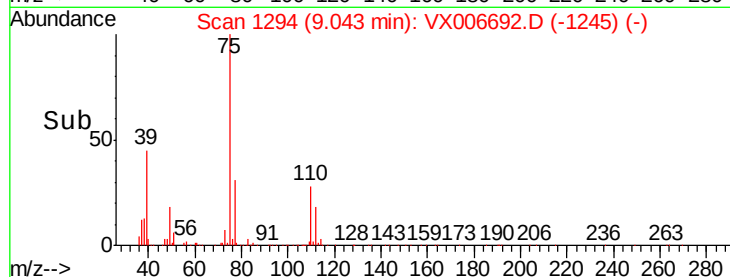
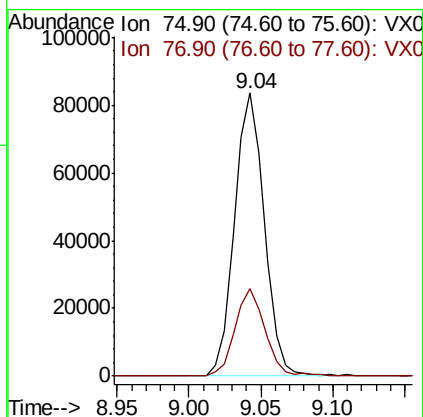
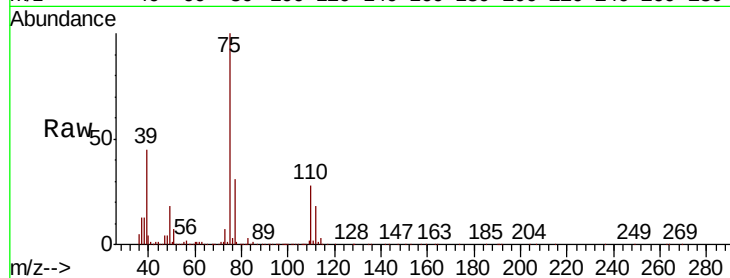
VX1220WBSD02

Tot Ion: 75 Resp: 120994

Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 18.607 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

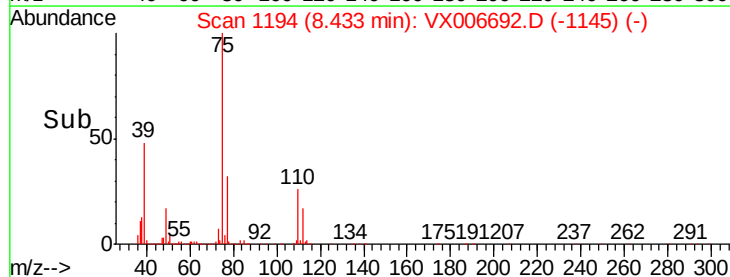
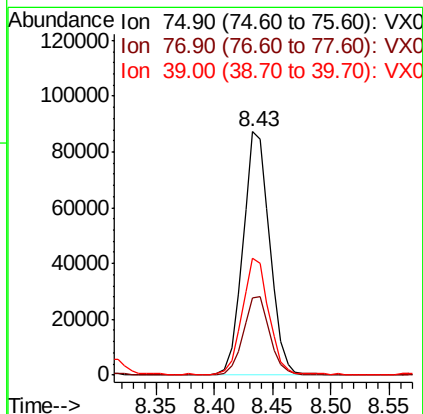
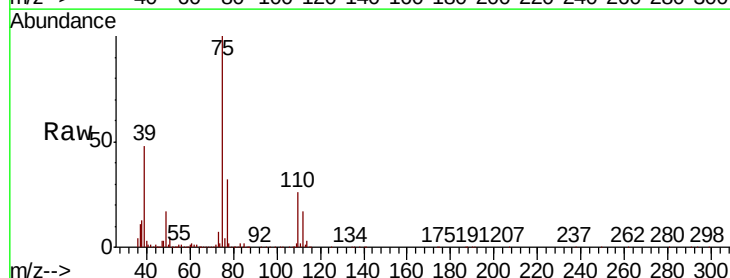
Tgt Ion: 75 Resp: 140295

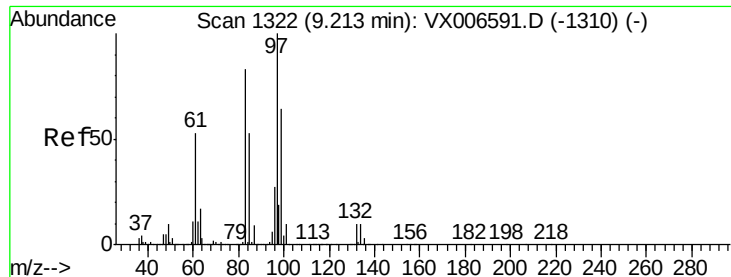
Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

39 47.7 36.7 55.1





#55

1,1,2-Trichloroethane

Concen: 20.670 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

Tot Ion: 97 Resp: 117846

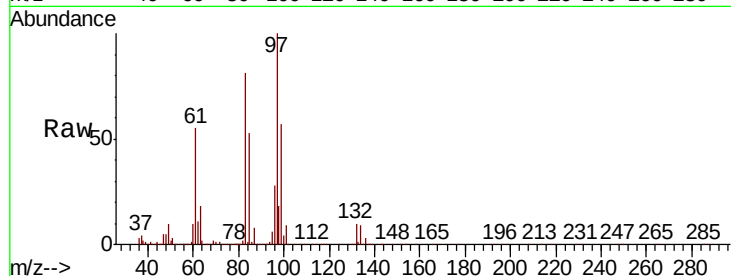
Ion Ratio Lower Upper

97 100

83 81.3 66.6 99.8

85 52.4 42.7 64.1

99 56.8 50.8 76.2

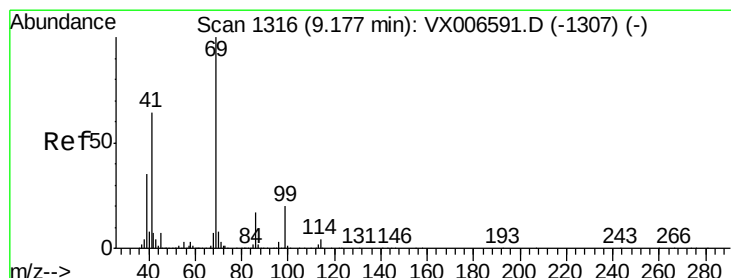
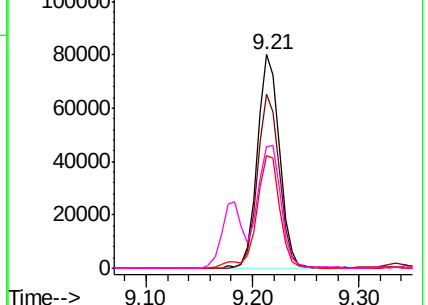
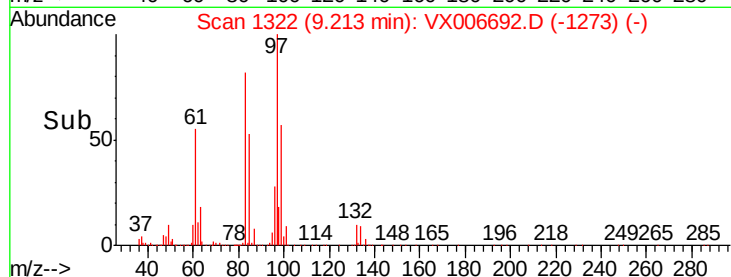


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 20.563 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

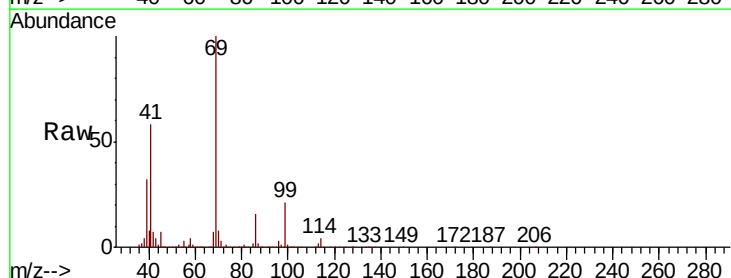
Tgt Ion: 69 Resp: 165700

Ion Ratio Lower Upper

69 100

41 61.6 48.7 73.1

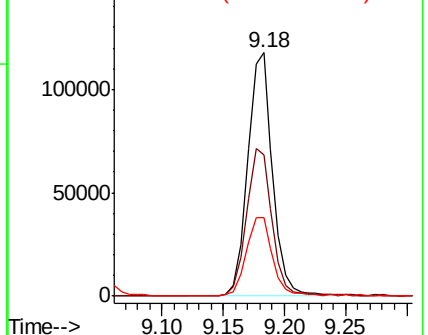
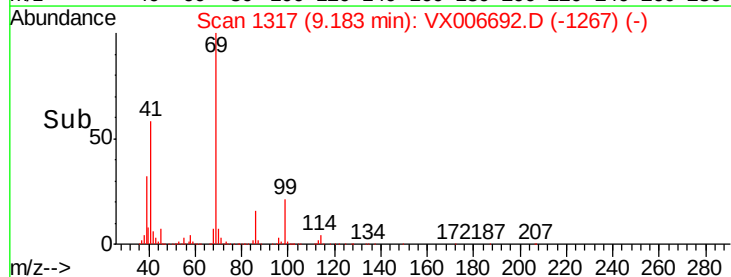
39 33.4 27.0 40.6

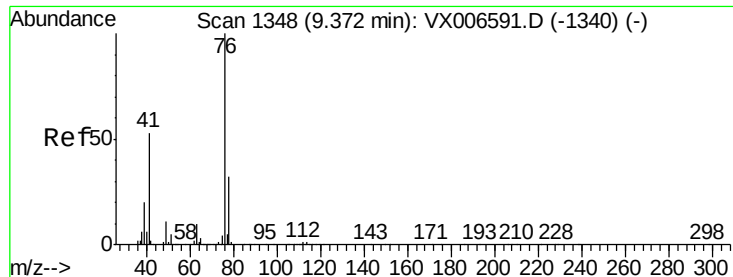


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 20.039 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

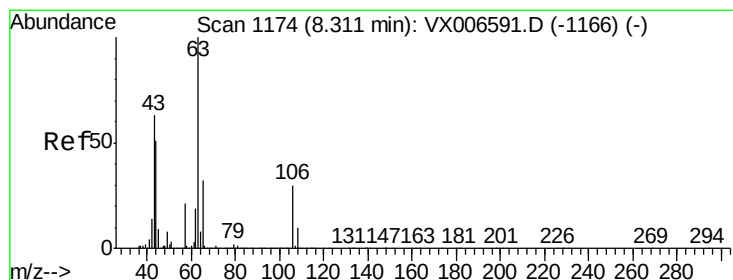
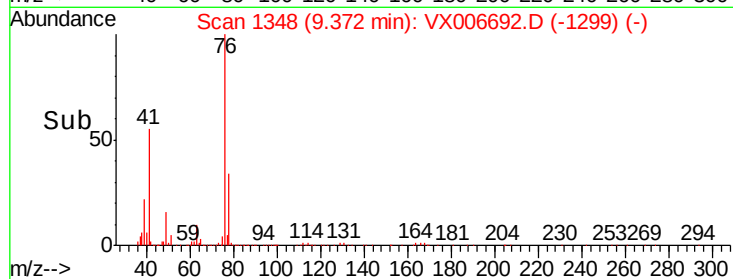
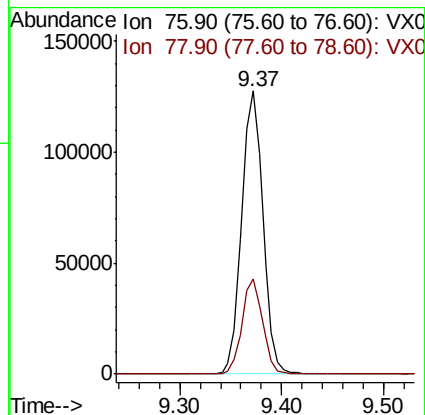
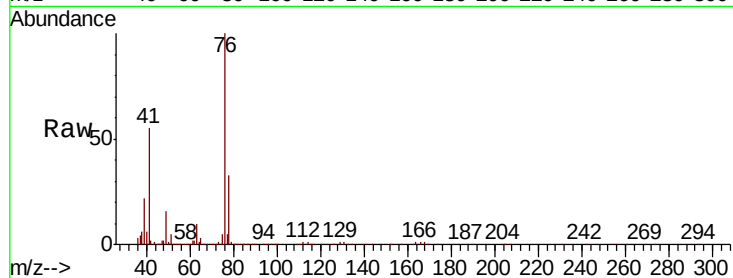
VX1220WBSD02

Tot Ion: 76 Resp: 183813

Ion Ratio Lower Upper

76 100

78 32.1 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 104.287 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006692.D

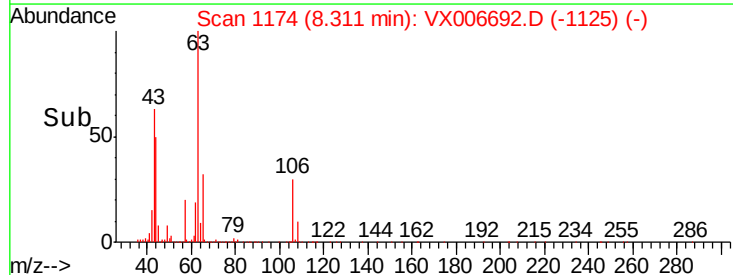
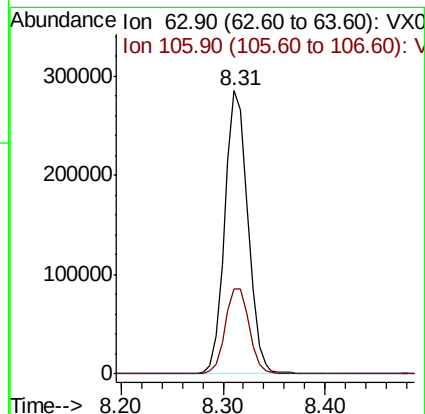
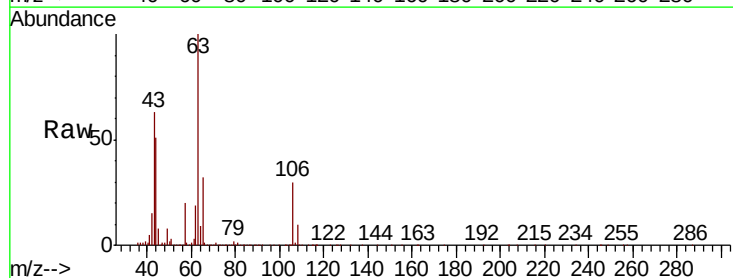
Acq: 20 Dec 2018 23:20

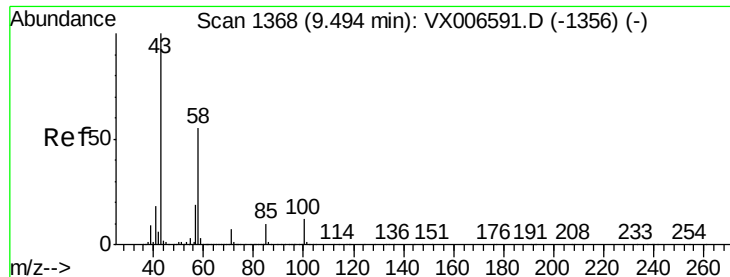
Tgt Ion: 63 Resp: 446711

Ion Ratio Lower Upper

63 100

106 31.4 24.6 36.8

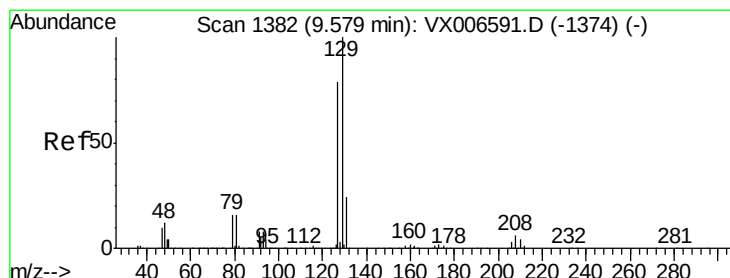
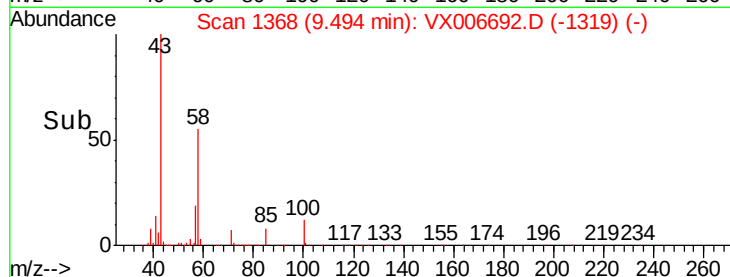
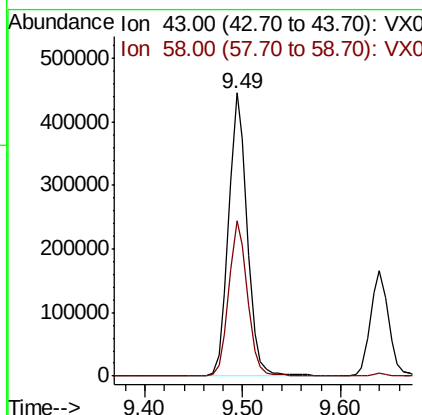
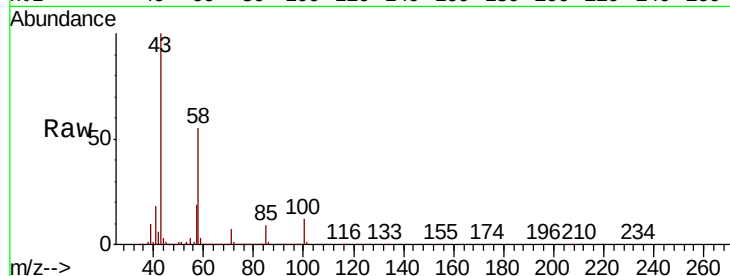




#59
2-Hexanone
Concen: 107.647 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

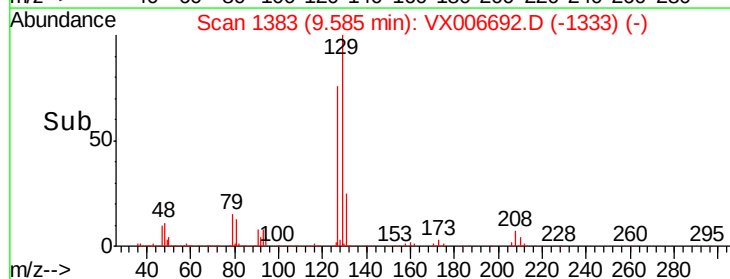
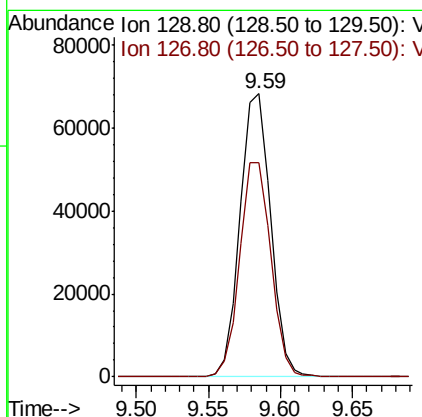
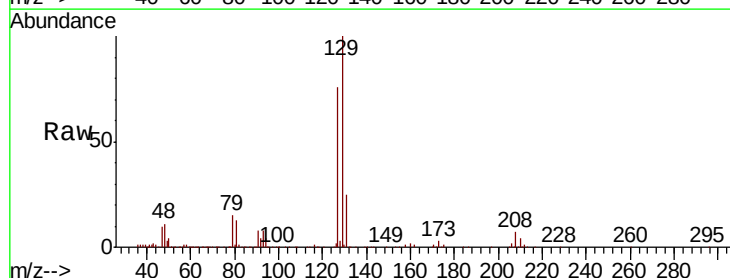
Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

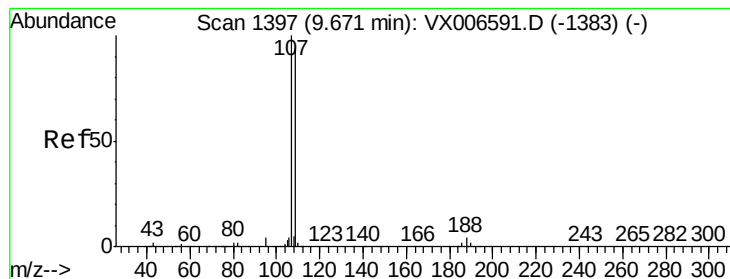
Tot Ion: 43 Resp: 588667
Ion Ratio Lower Upper
43 100
58 55.1 27.7 83.1



#60
Dibromochloromethane
Concen: 18.481 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion: 129 Resp: 101040
Ion Ratio Lower Upper
129 100
127 77.0 39.3 117.8





#61

1,2-Dibromoethane

Concen: 19.959 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

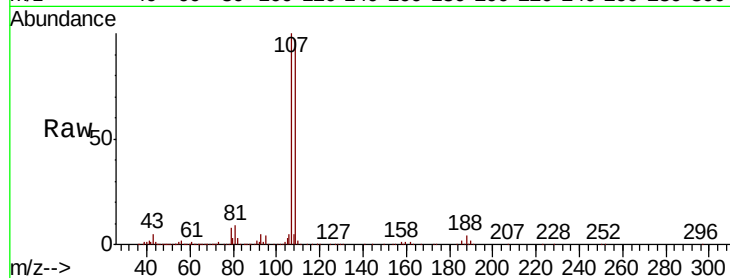
VX1220WBSD02

Tot Ion: 107 Resp: 120965

Ion Ratio Lower Upper

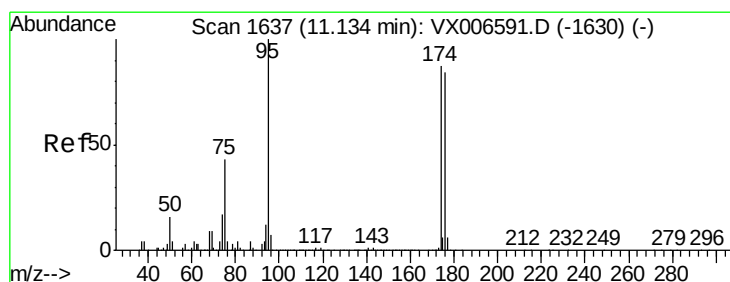
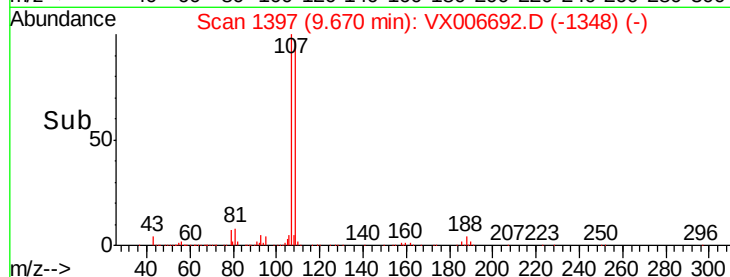
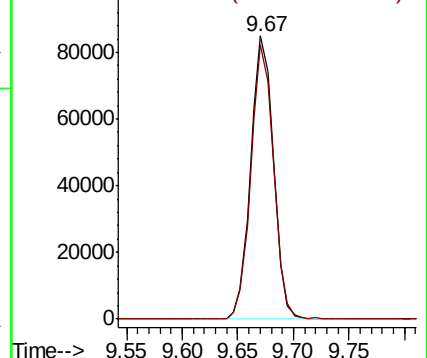
107 100

109 96.8 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.034 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

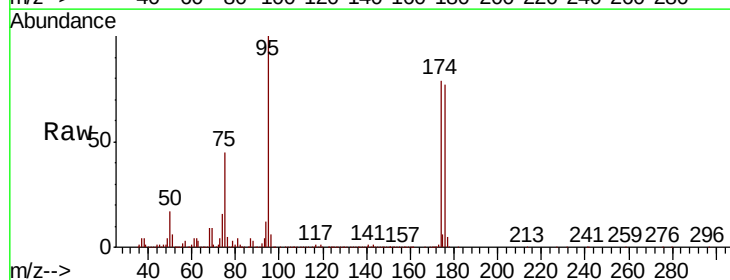
Tgt Ion: 95 Resp: 374150

Ion Ratio Lower Upper

95 100

174 89.0 0.0 182.2

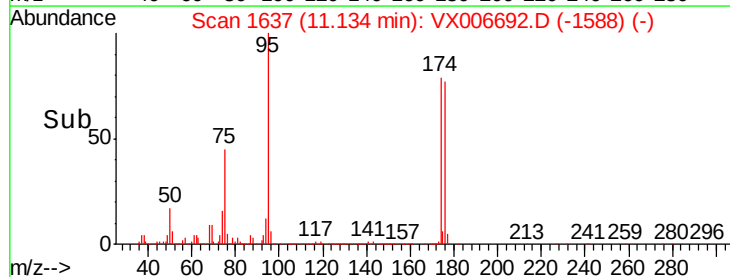
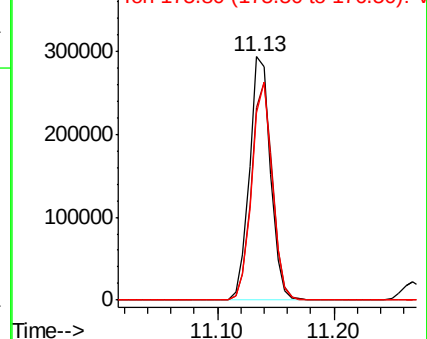
176 86.9 0.0 178.8

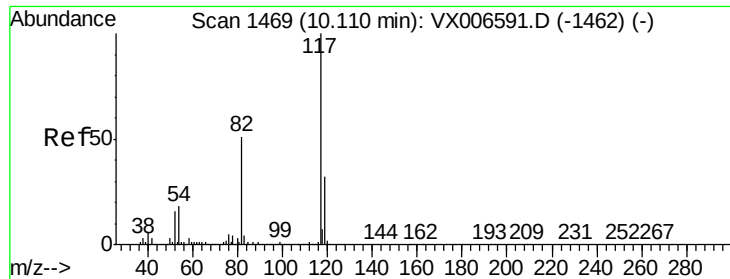


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

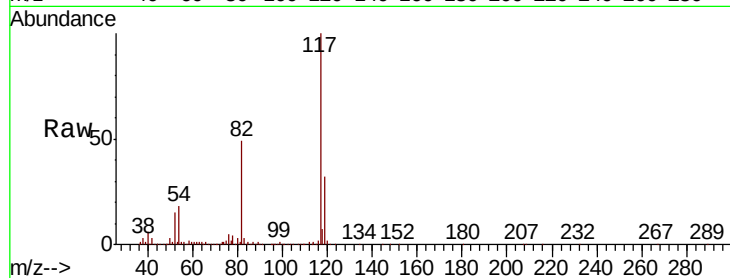




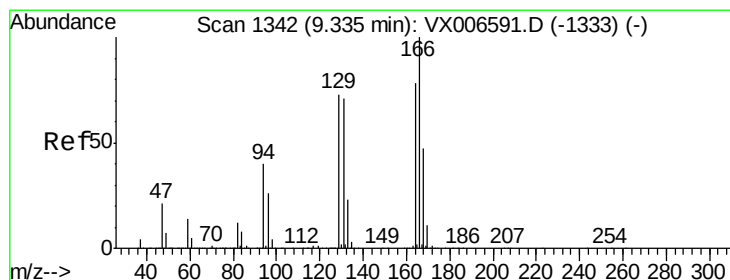
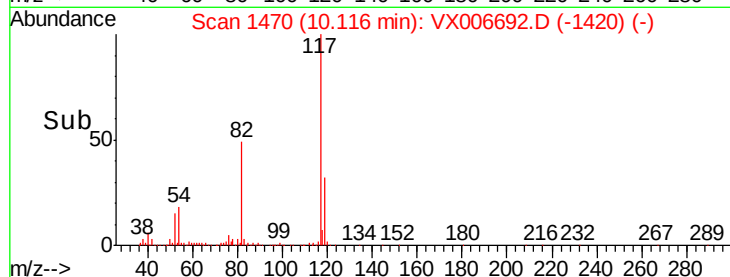
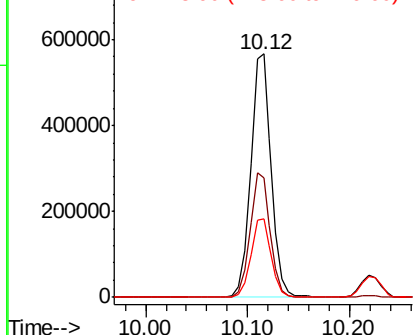
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.1	41.0	61.6
119	32.1	25.4	38.0



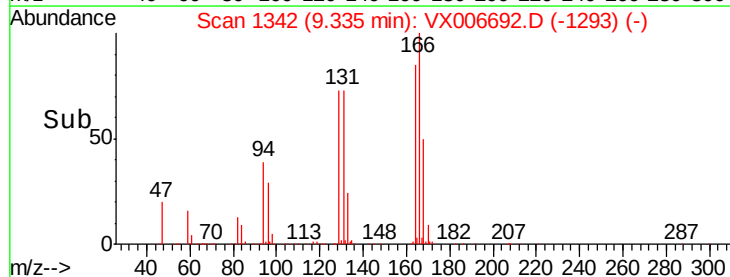
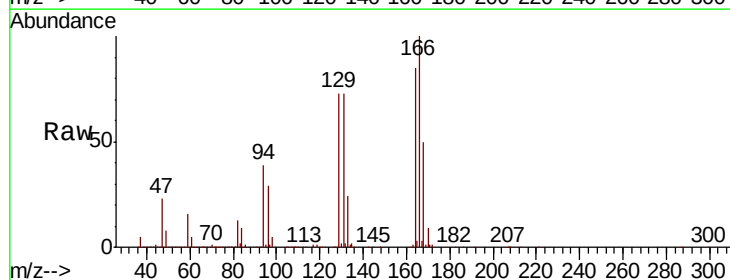
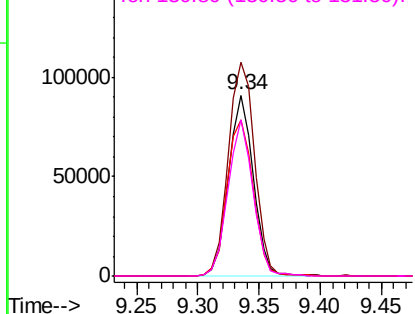
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

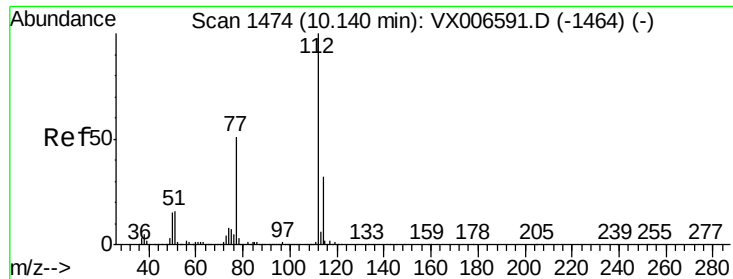


#64
Tetrachloroethene
Concen: 20.345 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.0	102.5	153.7
129	86.5	75.1	112.7
131	86.5	72.7	109.1

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

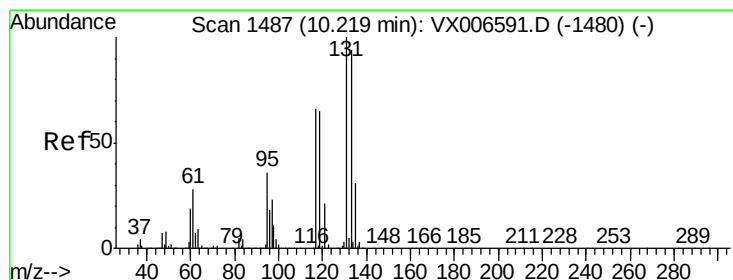
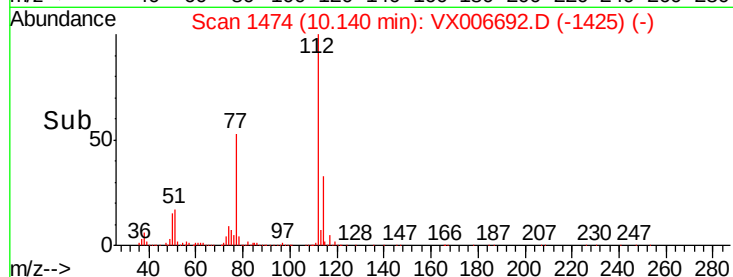
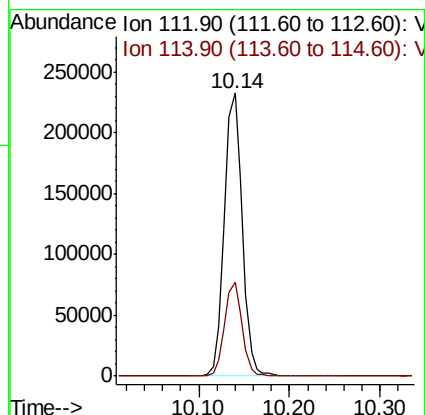
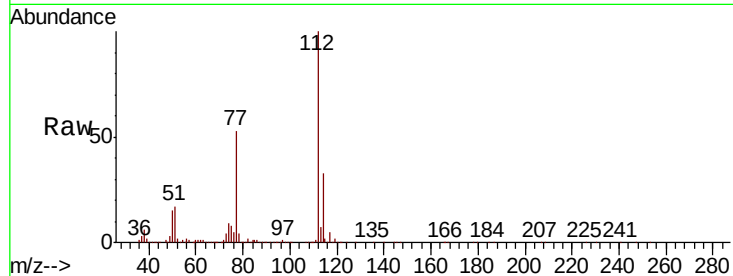




#65
Chlorobenzene
Concen: 19.231 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

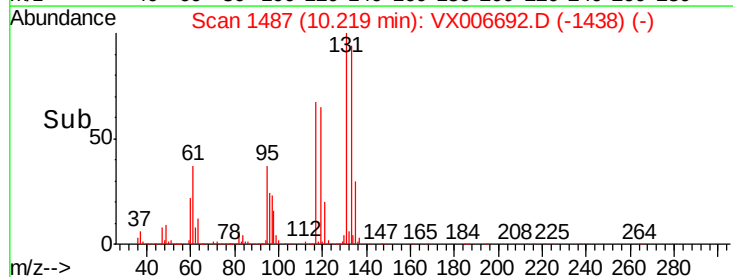
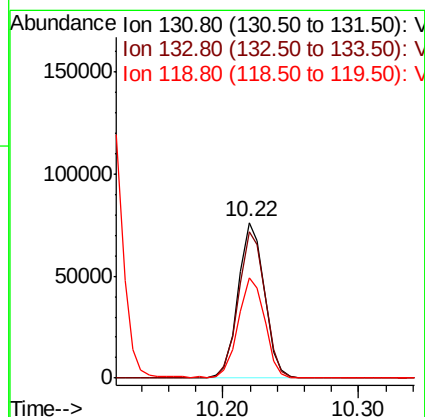
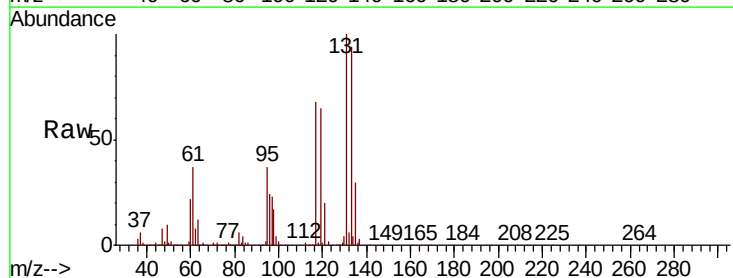
Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

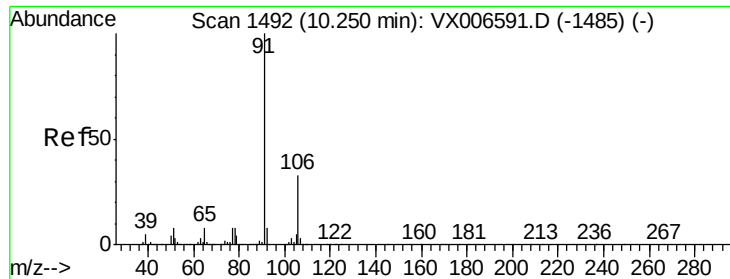
Tot Ion:112 Resp: 321898
Ion Ratio Lower Upper
112 100
114 33.3 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.609 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion:131 Resp: 102404
Ion Ratio Lower Upper
131 100
133 95.7 48.0 144.2
119 65.2 32.6 97.8





#67

Ethyl Benzene

Concen: 19.325 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

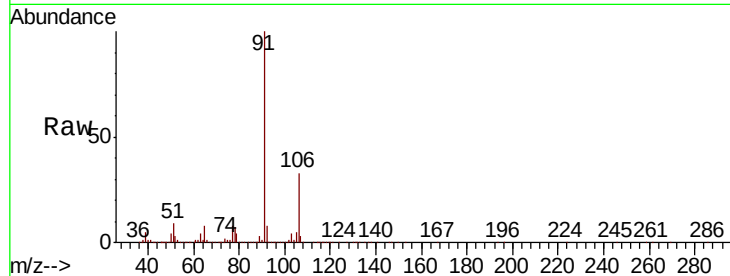
VX1220WBSD02

Tot Ion: 91 Resp: 528570

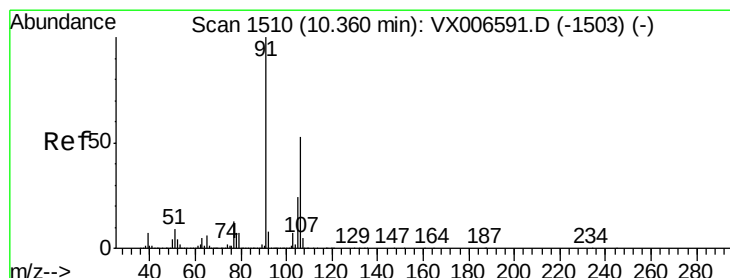
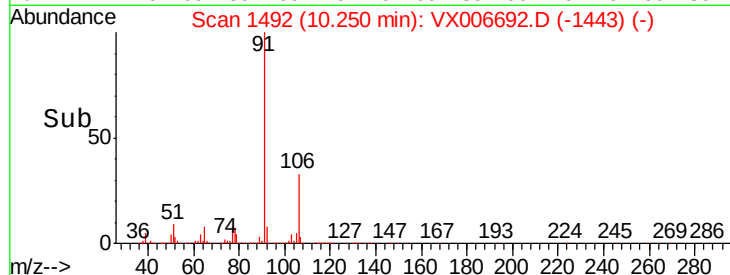
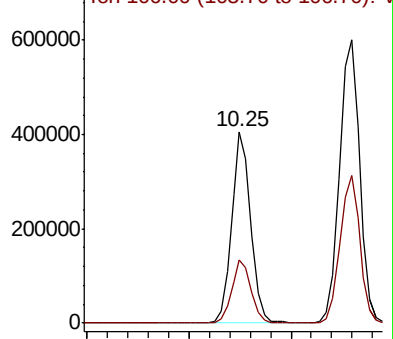
Ion Ratio Lower Upper

91 100

106 33.1 26.4 39.6



Abundance Ion 91.00 (90.70 to 91.70): VX006591.D (-1485) (-)



#68

m/p-Xylenes

Concen: 39.151 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006692.D

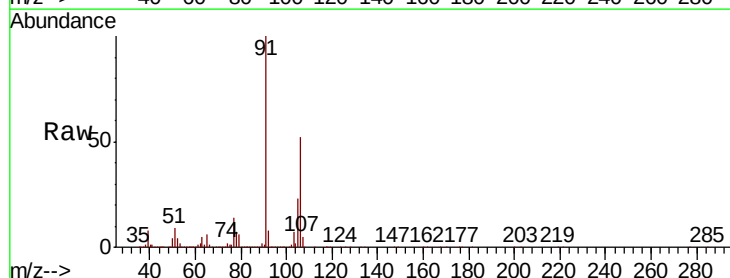
Acq: 20 Dec 2018 23:20

Tgt Ion: 106 Resp: 422540

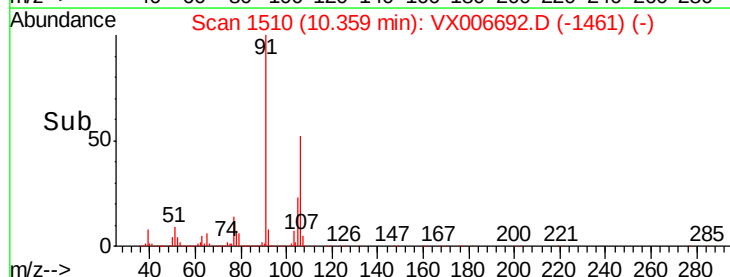
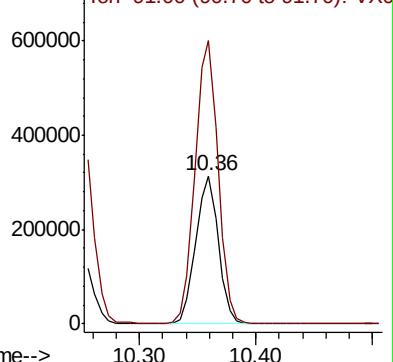
Ion Ratio Lower Upper

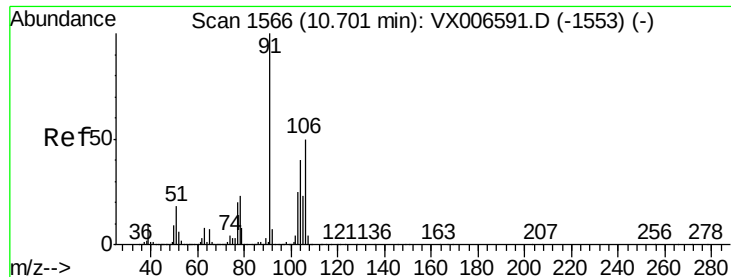
106 100

91 194.5 155.8 233.6



Abundance Ion 106.00 (105.70 to 106.70): VX006591.D (-1503) (-)

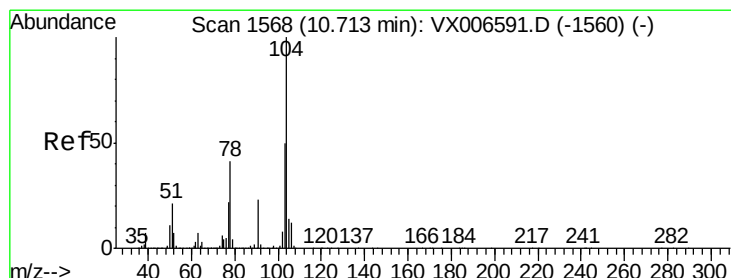
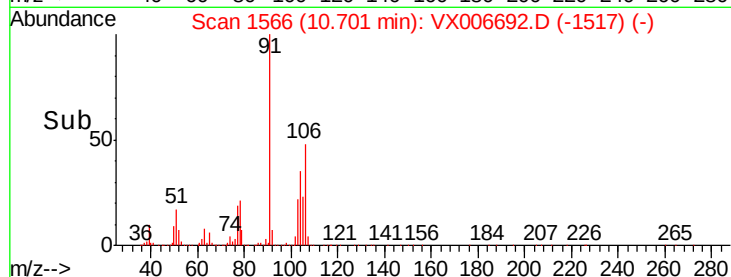
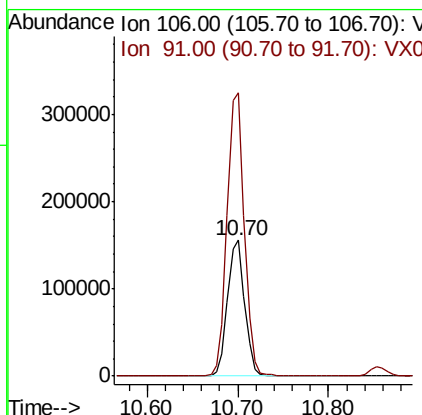
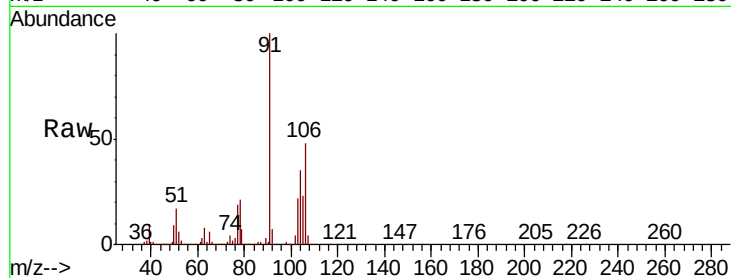




#69
o-Xylene
Concen: 19.252 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

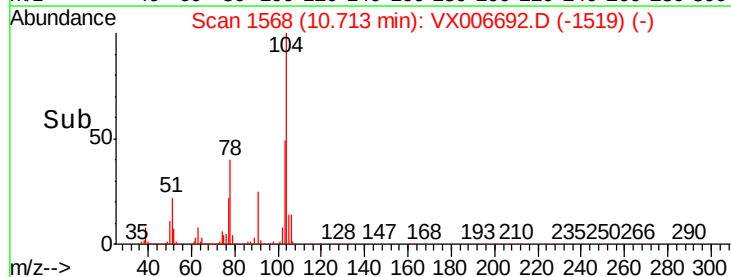
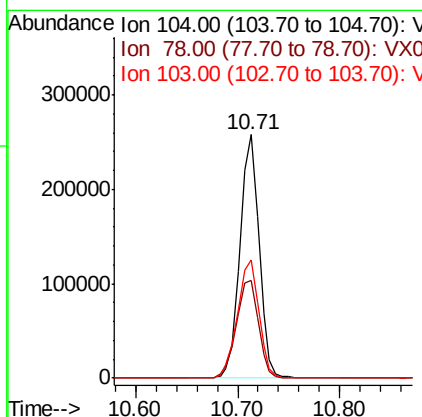
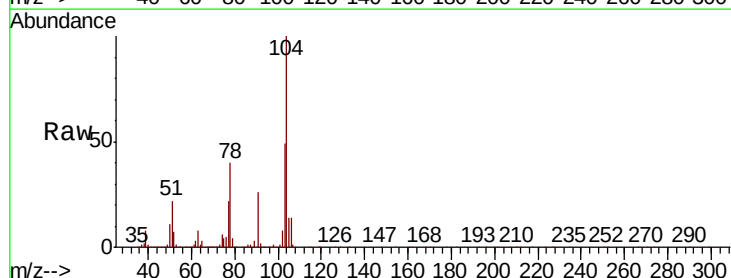
Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

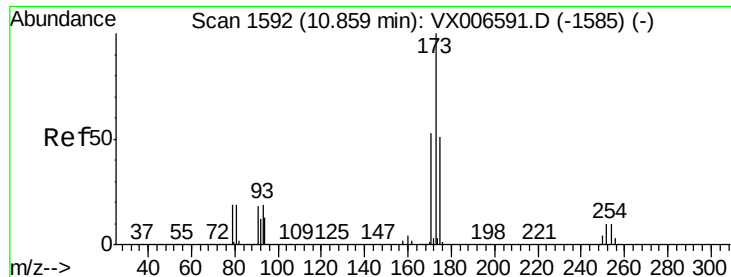
Tot Ion:106 Resp: 205179
Ion Ratio Lower Upper
106 100
91 209.8 101.3 303.7



#70
Styrene
Concen: 19.753 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion:104 Resp: 333048
Ion Ratio Lower Upper
104 100
78 46.8 37.7 56.5
103 54.5 43.8 65.8





#71

Bromoform

Concen: 18.058 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

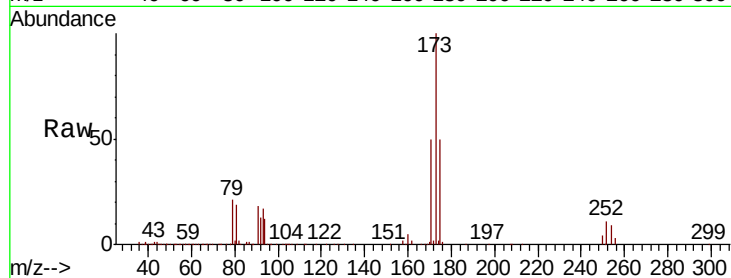
Tot Ion:173 Resp: 70325

Ion Ratio Lower Upper

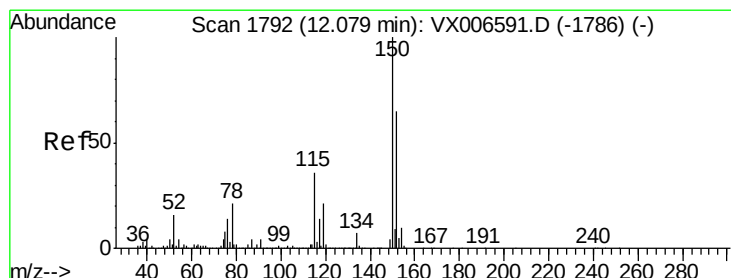
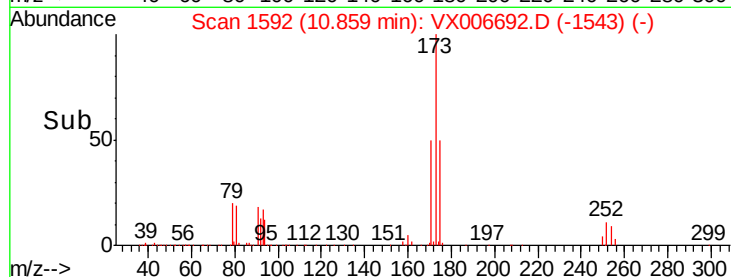
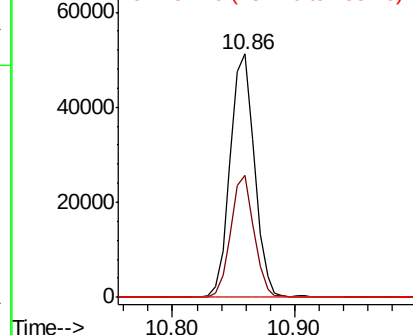
173 100

175 48.0 24.7 74.1

254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

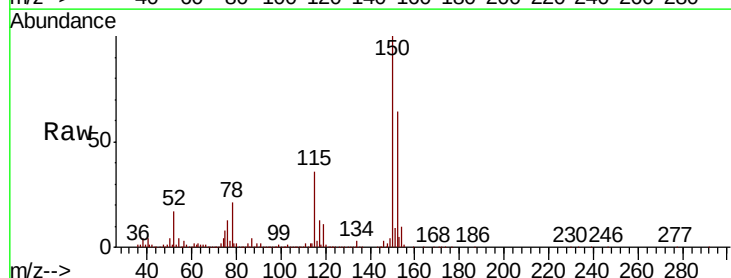
Tgt Ion:152 Resp: 403165

Ion Ratio Lower Upper

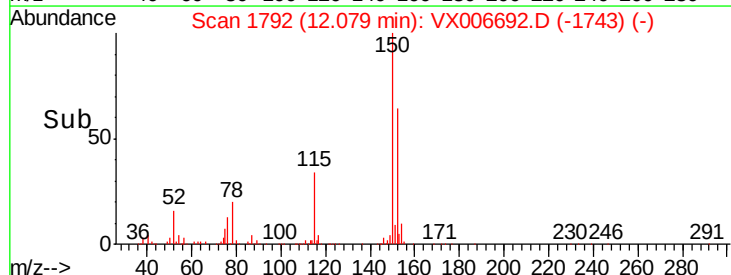
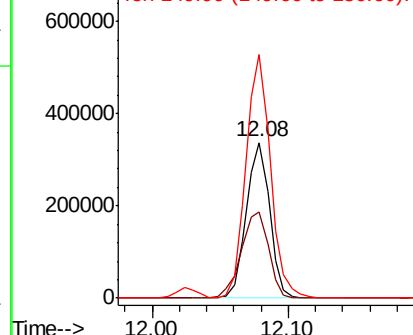
152 100

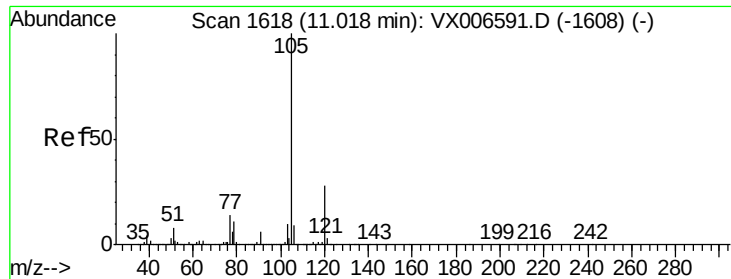
115 64.9 39.1 117.2

150 164.5 0.0 344.8



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: 19.915 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

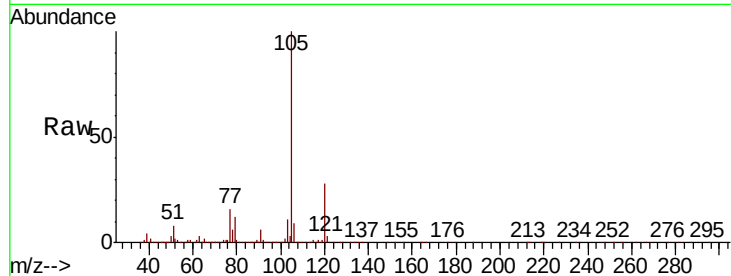
VX1220WBSD02

Tot Ion:105 Resp: 549296

Ion Ratio Lower Upper

105 100

120 28.0 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

400000

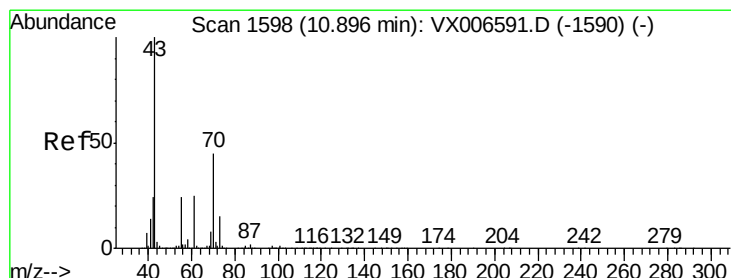
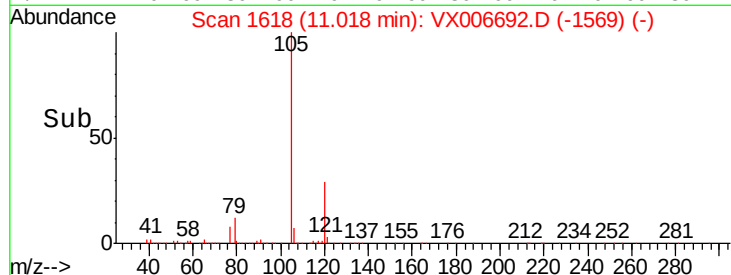
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 20.974 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Tgt Ion: 43 Resp: 207067

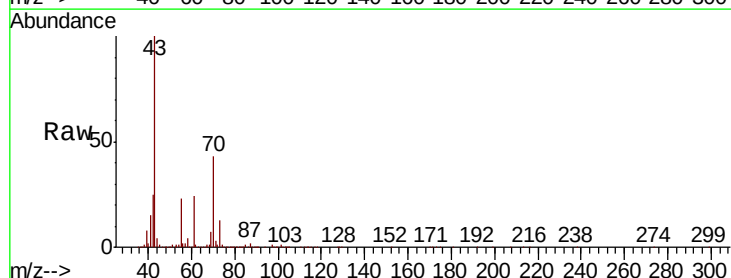
Ion Ratio Lower Upper

43 100

70 43.3 35.8 53.8

55 25.4 19.4 29.0

61 24.3 20.1 30.1



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

250000

200000

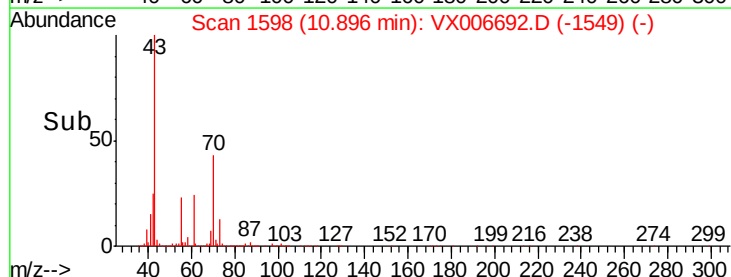
150000

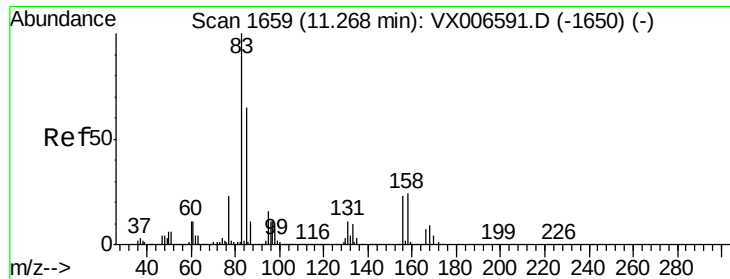
100000

50000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 21.414 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

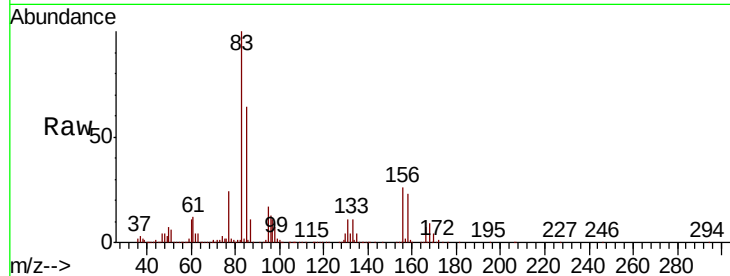
Tot Ion: 83 Resp: 175649

Ion Ratio Lower Upper

83 100

131 11.3 5.7 17.1

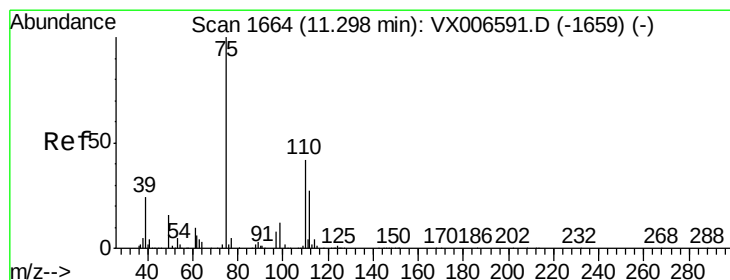
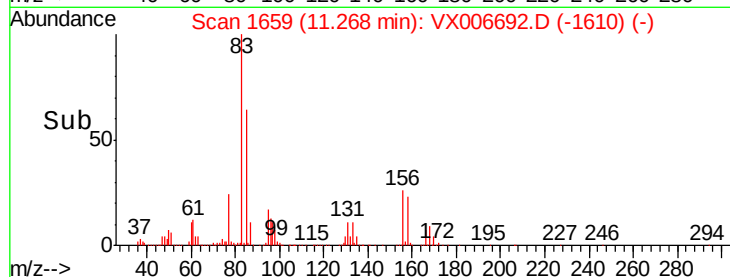
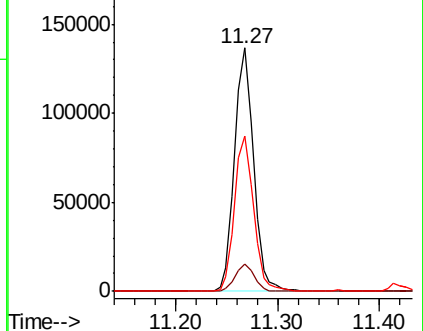
85 64.1 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 23.760 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006692.D

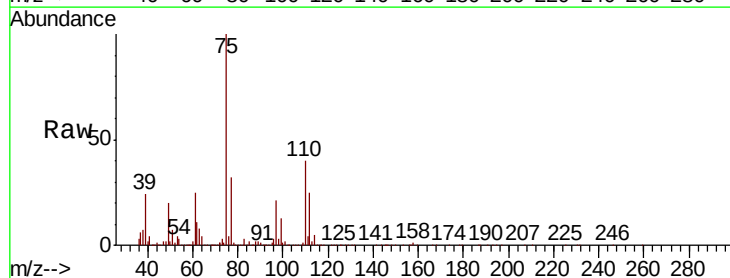
Acq: 20 Dec 2018 23:20

Tgt Ion: 75 Resp: 178020

Ion Ratio Lower Upper

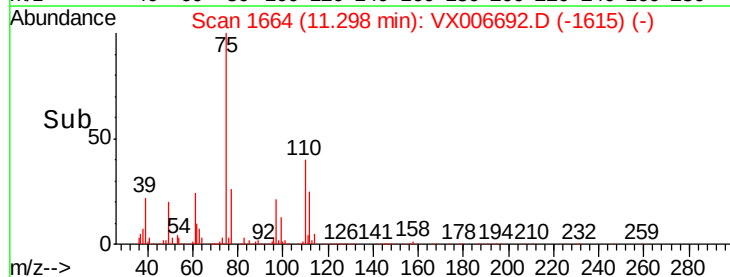
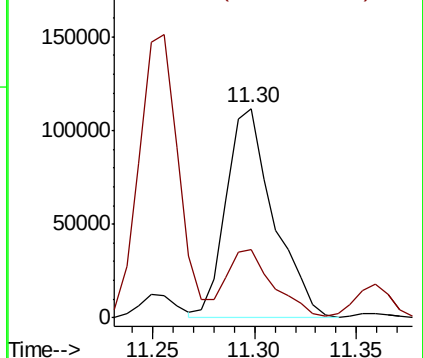
75 100

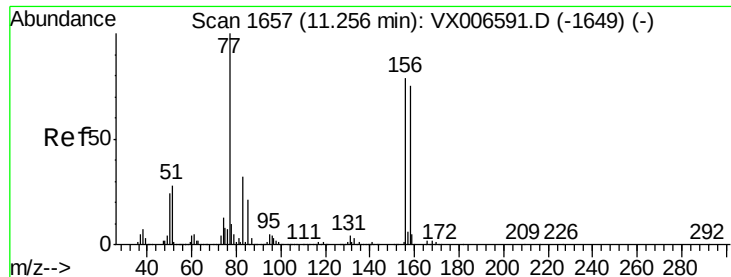
77 31.7 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.240 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

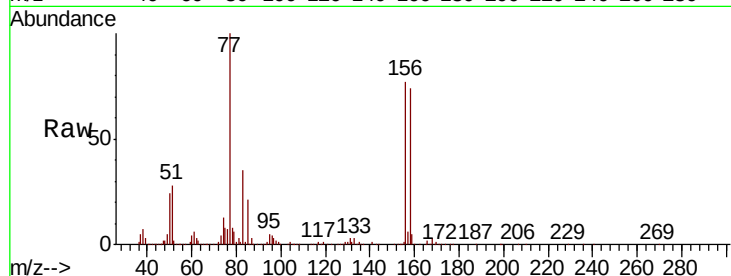
Tot Ion:156 Resp: 150927

Ion Ratio Lower Upper

156 100

77 132.6 68.0 204.0

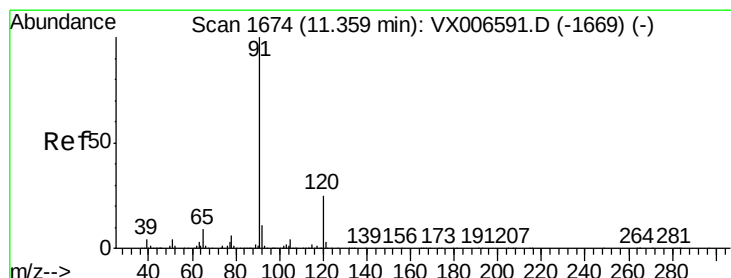
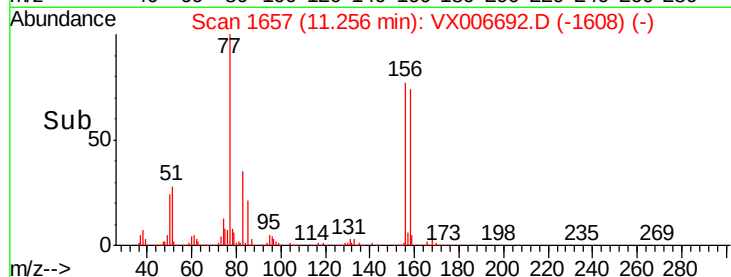
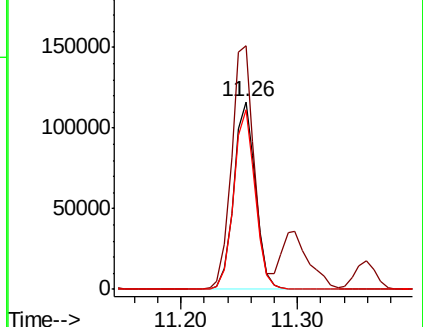
158 94.9 48.3 144.8



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: 19.940 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006692.D

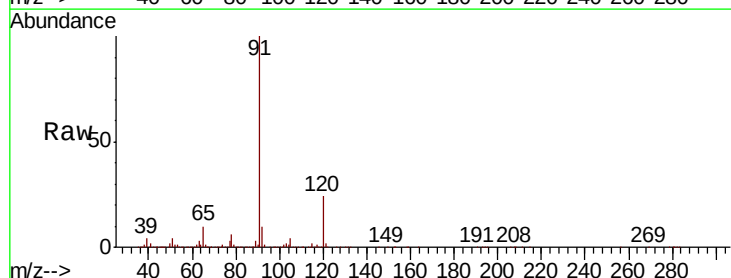
Acq: 20 Dec 2018 23:20

Tgt Ion: 91 Resp: 605642

Ion Ratio Lower Upper

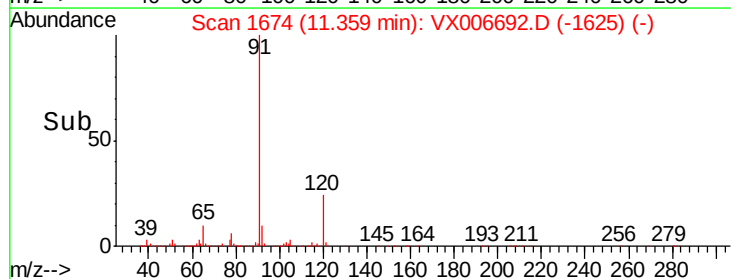
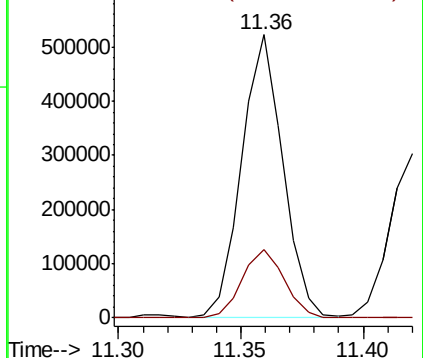
91 100

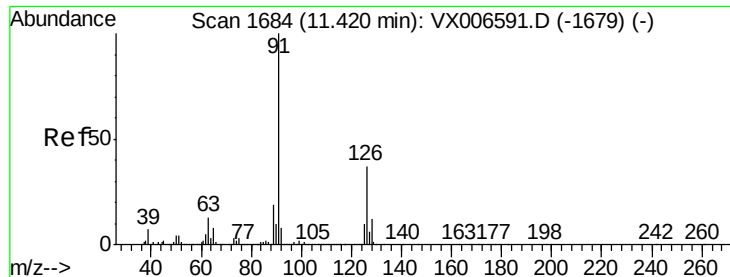
120 25.3 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.925 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

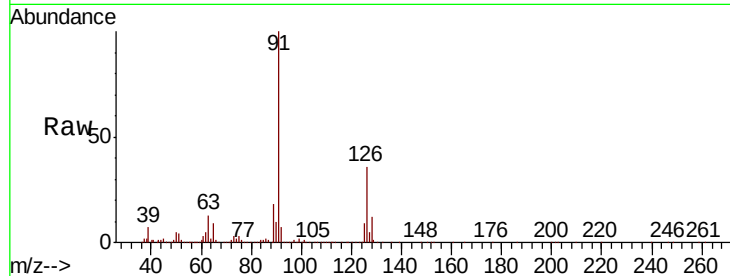
VX1220WBSD02

Tot Ion: 91 Resp: 366739

Ion Ratio Lower Upper

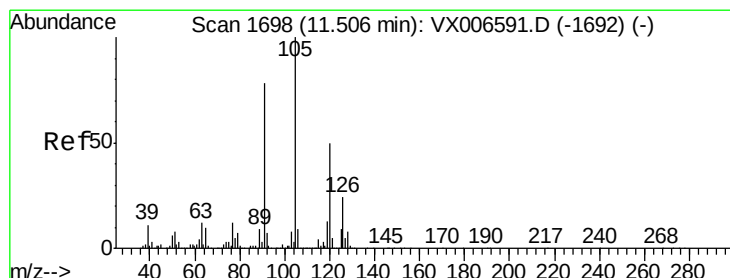
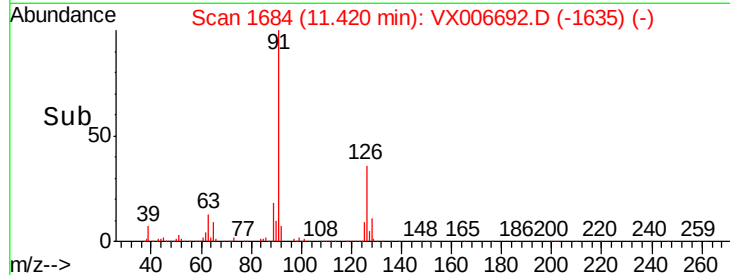
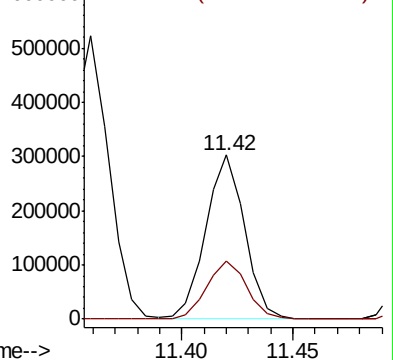
91 100

126 36.9 18.6 56.0



Abundance Ion 91.00 (90.70 to 91.70): VX006591.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX006591.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.999 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006692.D

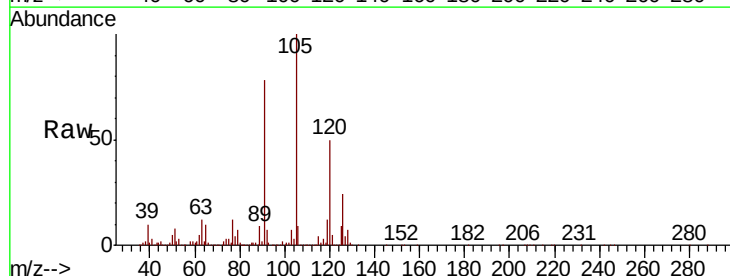
Acq: 20 Dec 2018 23:20

Tgt Ion:105 Resp: 454322

Ion Ratio Lower Upper

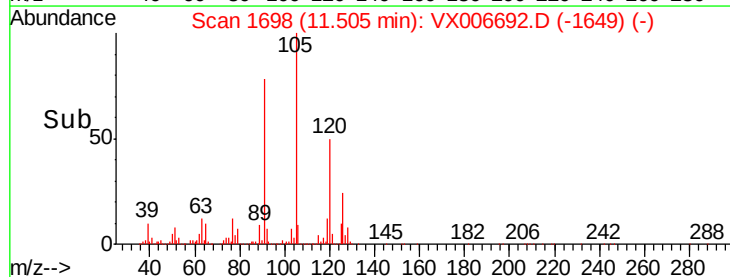
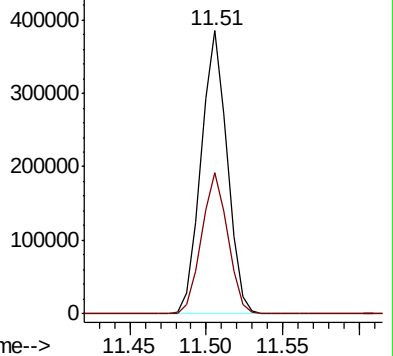
105 100

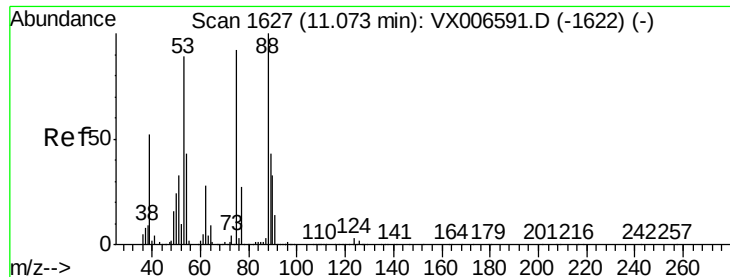
120 50.2 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX006591.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX006591.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.398 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampled :

VX1220WBSD02

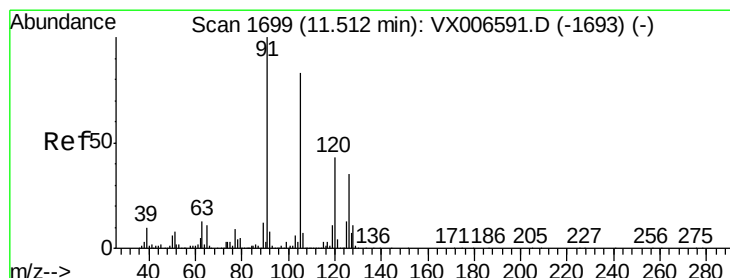
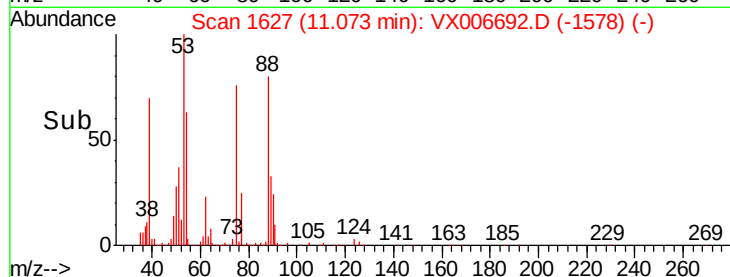
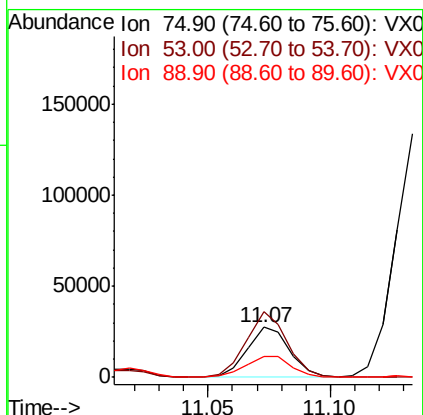
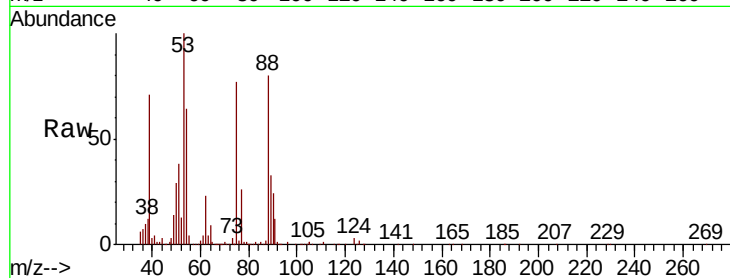
Tot Ion: 75 Resp: 32722

Ion Ratio Lower Upper

75 100

53 125.7 79.7 119.5#

89 47.1 38.0 57.0



#82

4-Chlorotoluene

Concen: 19.587 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006692.D

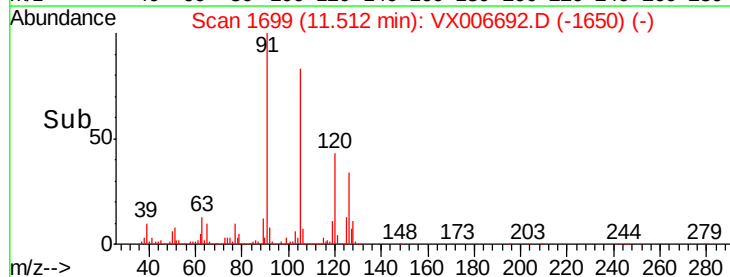
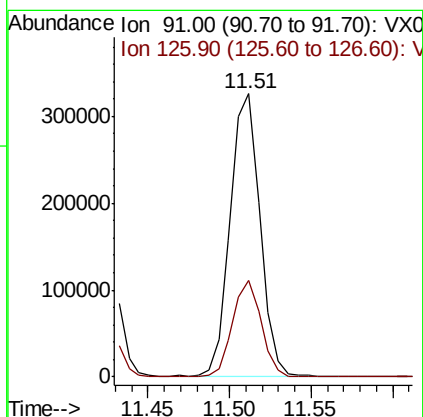
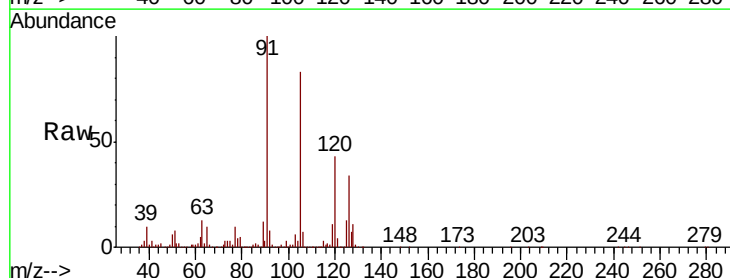
Acq: 20 Dec 2018 23:20

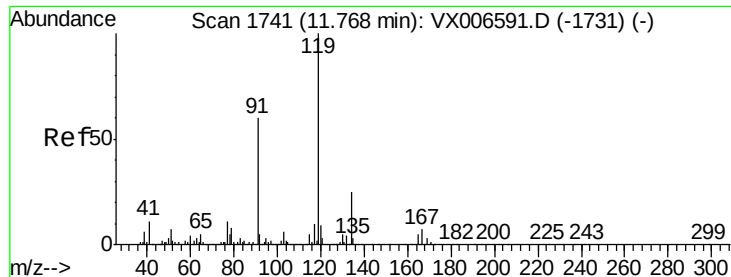
Tgt Ion: 91 Resp: 413537

Ion Ratio Lower Upper

91 100

126 33.0 16.3 48.9





#83

tert-Butylbenzene

Concen: 19.816 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

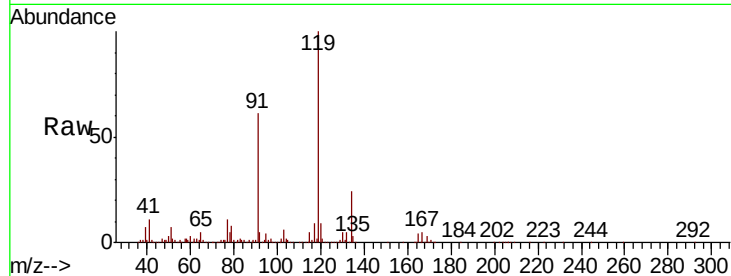
Tot Ion:119 Resp: 450558

Ion Ratio Lower Upper

119 100

91 57.5 27.7 83.1

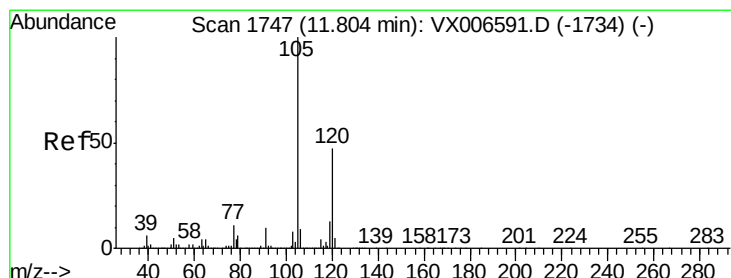
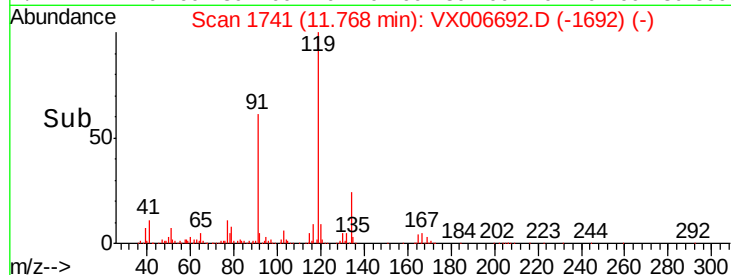
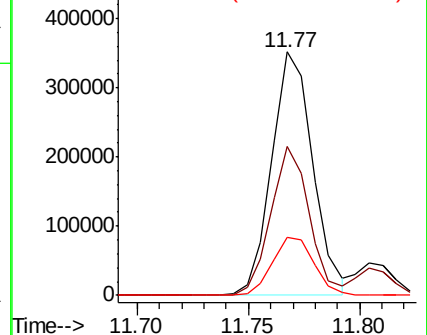
134 24.5 11.9 35.5



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: 19.634 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006692.D

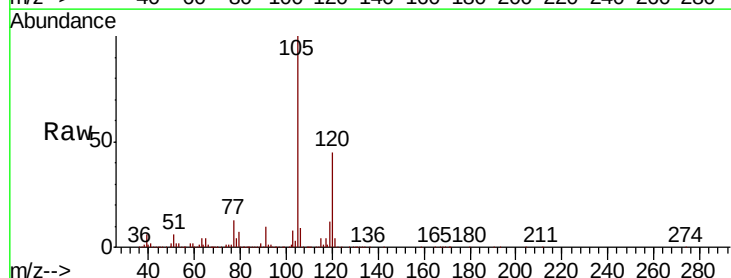
Acq: 20 Dec 2018 23:20

Tgt Ion:105 Resp: 469167

Ion Ratio Lower Upper

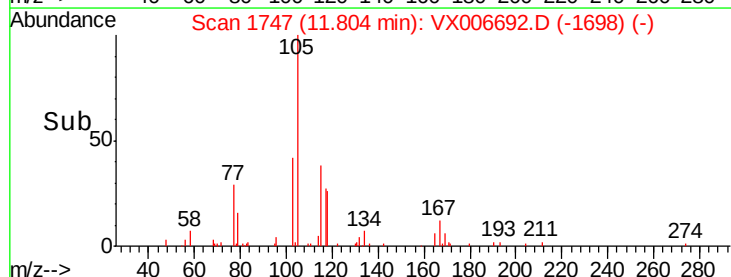
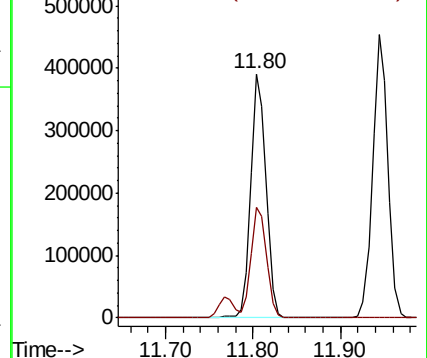
105 100

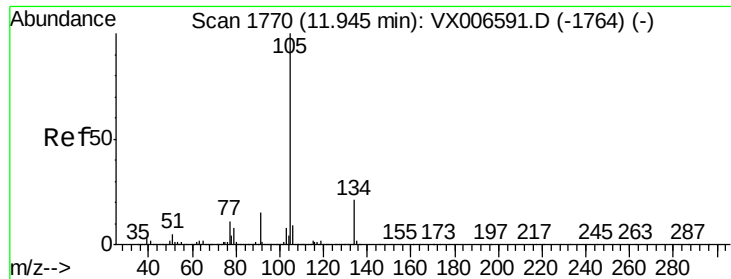
120 45.7 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

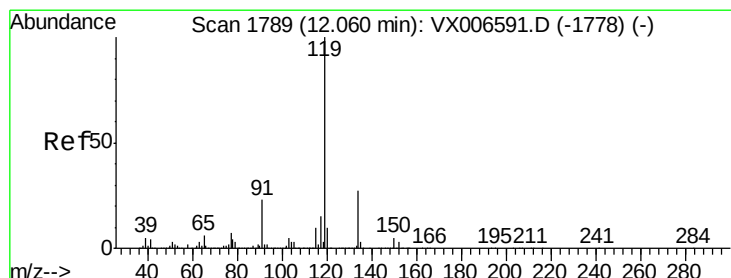
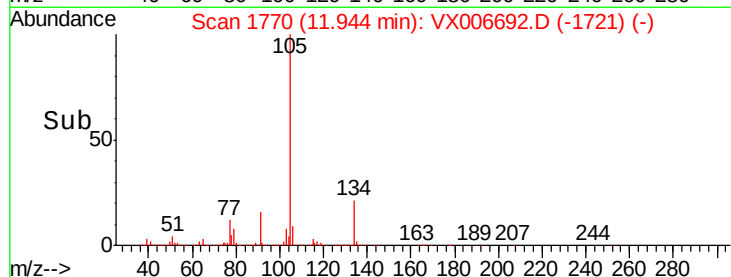
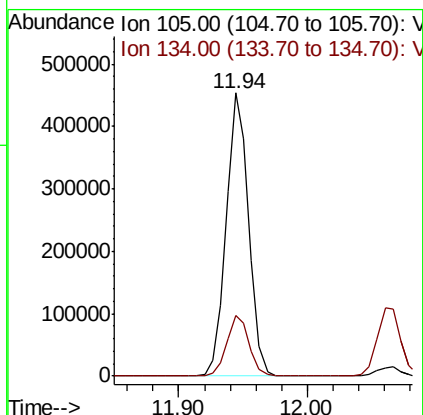
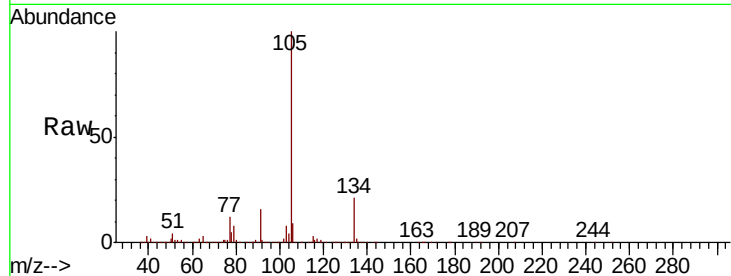




#85
 sec-Butylbenzene
 Concen: 19.882 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX006692.D
 Acq: 20 Dec 2018 23:20

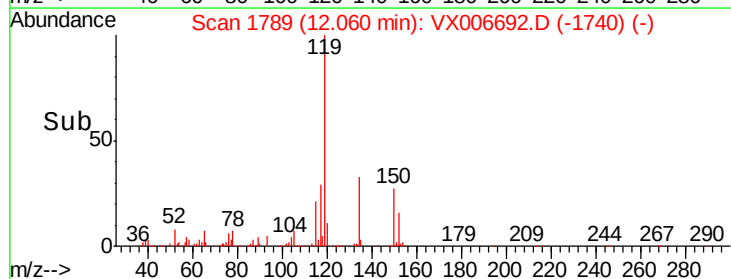
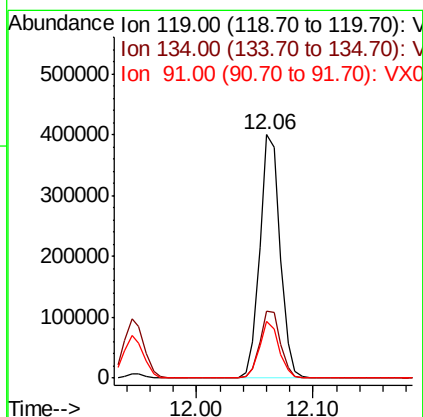
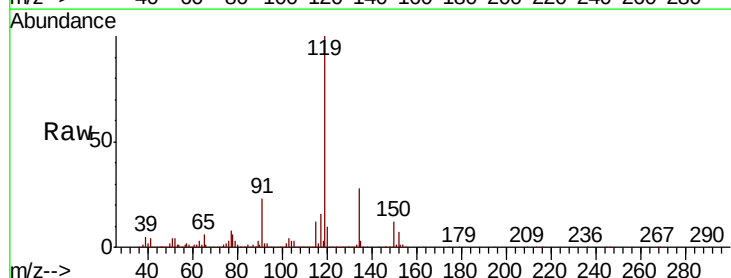
Instrument :
 MSVOA_X
 ClientSampleID :
 VX1220WBSD02

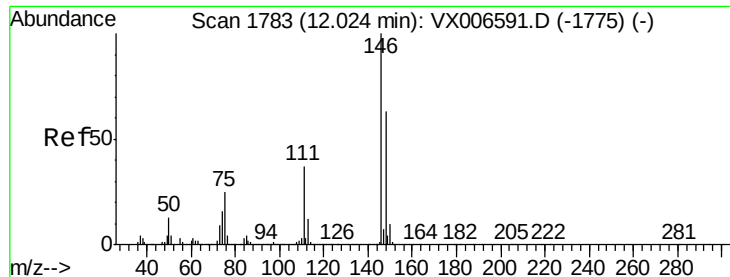
Tot Ion:105 Resp: 554258
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 19.906 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX006692.D
 Acq: 20 Dec 2018 23:20

Tgt Ion:119 Resp: 487803
 Ion Ratio Lower Upper
 119 100
 134 28.2 14.0 41.9
 91 22.7 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 19.758 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

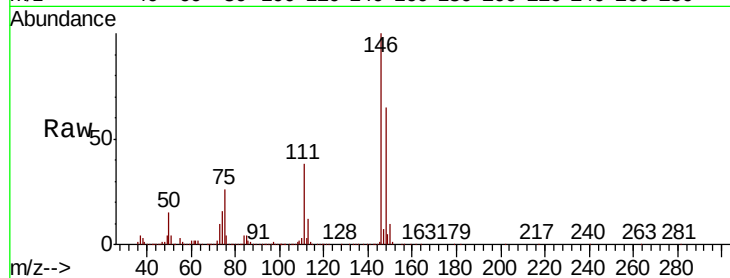
Tot Ion:146 Resp: 265531

Ion Ratio Lower Upper

146 100

111 37.7 18.6 55.8

148 63.7 31.8 95.3

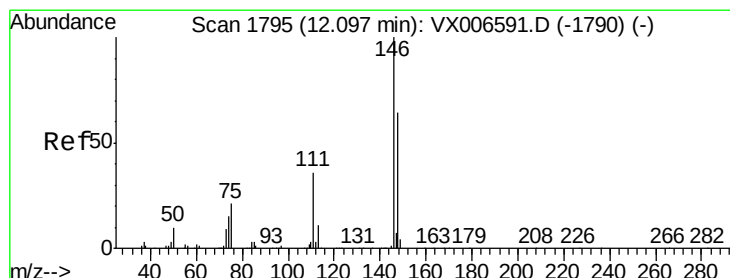
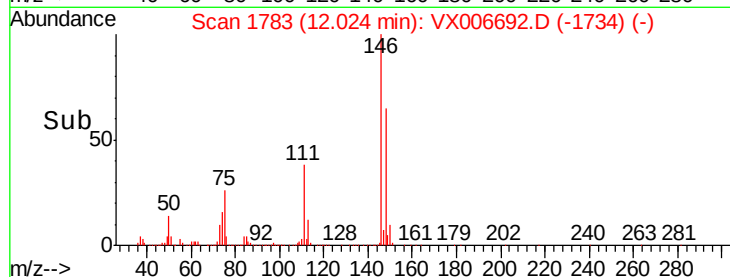
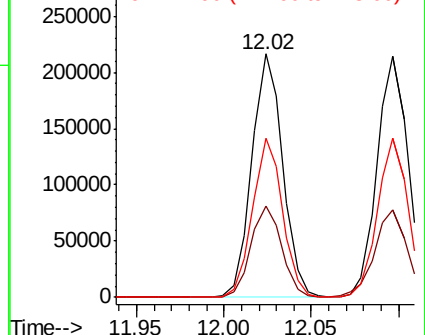


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.263 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

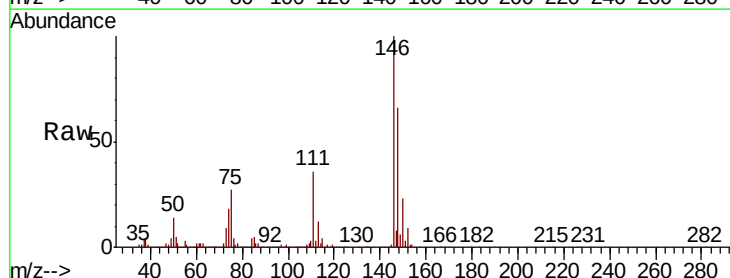
Tgt Ion:146 Resp: 265381

Ion Ratio Lower Upper

146 100

111 38.0 18.1 54.1

148 64.4 31.9 95.9

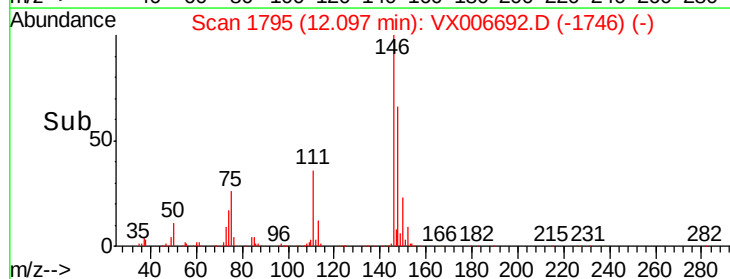
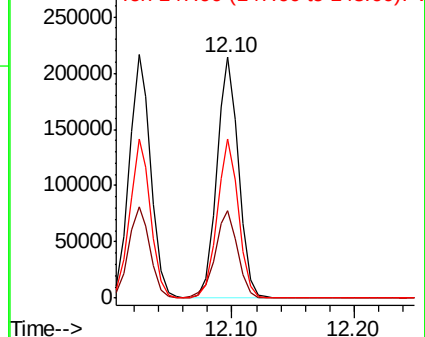


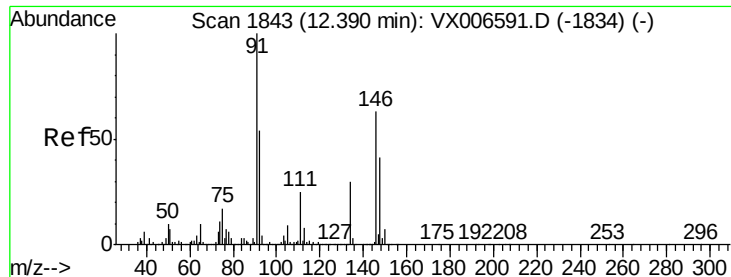
Abundance

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

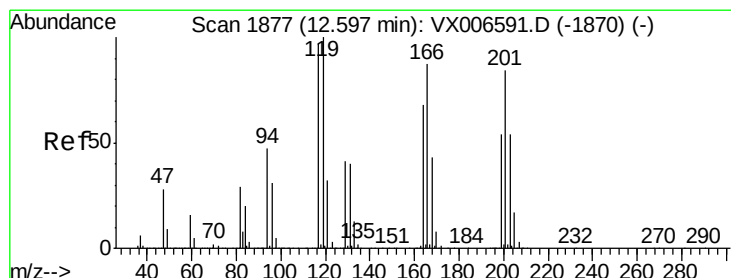
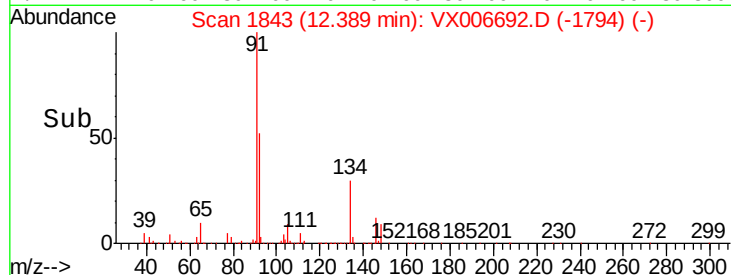
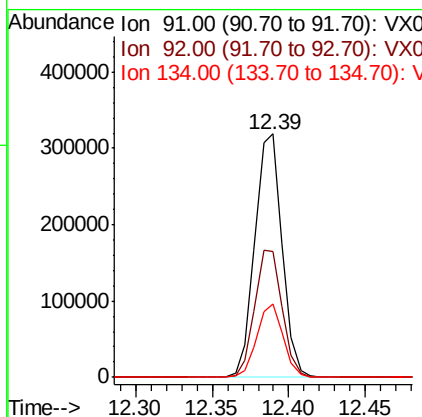
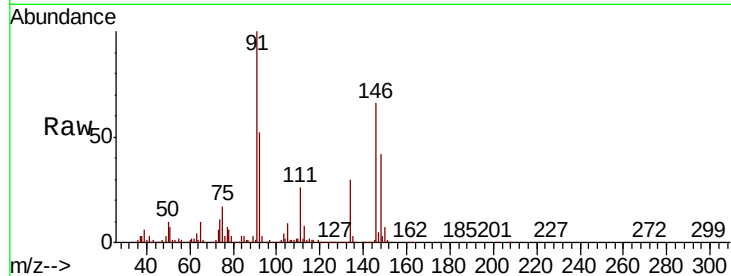




#89
n-Butylbenzene
Concen: 18.972 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

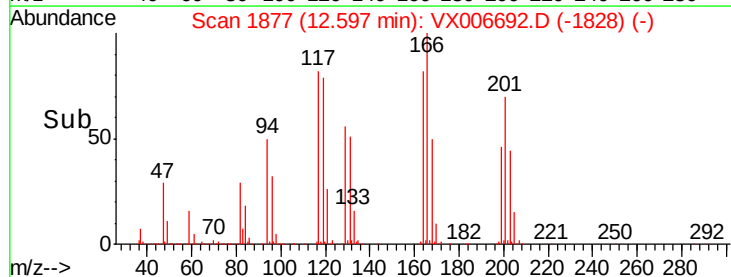
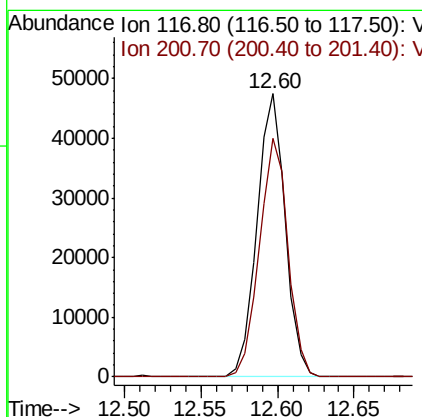
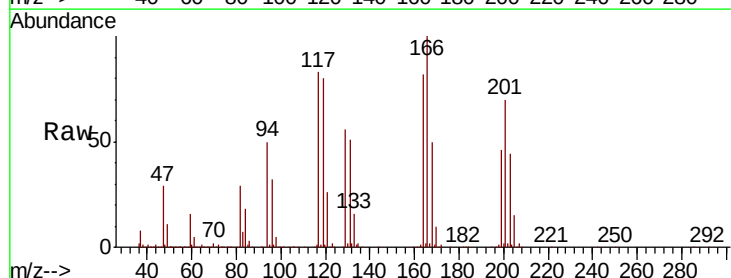
Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

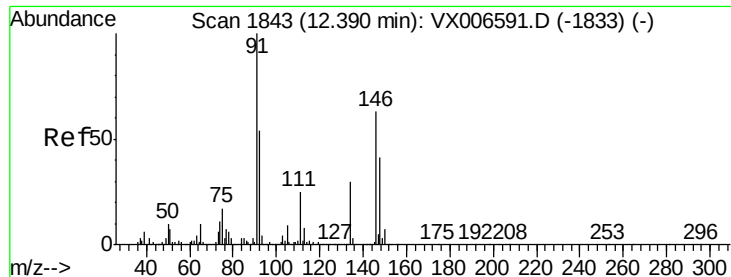
Tot Ion: 91 Resp: 395659
Ion Ratio Lower Upper
91 100
92 53.1 26.8 80.4
134 29.1 14.4 43.2



#90
Hexachloroethane
Concen: 18.197 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion: 117 Resp: 61189
Ion Ratio Lower Upper
117 100
201 85.2 42.9 128.7

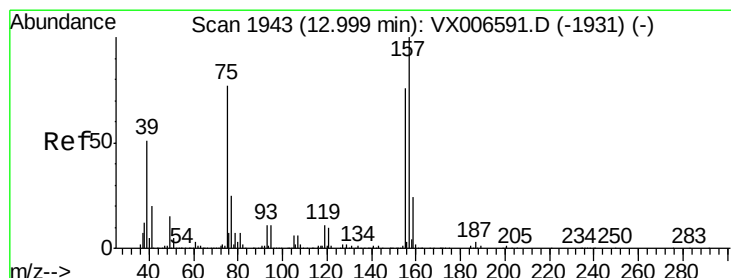
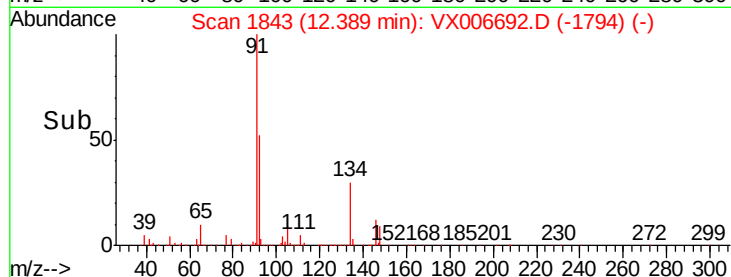
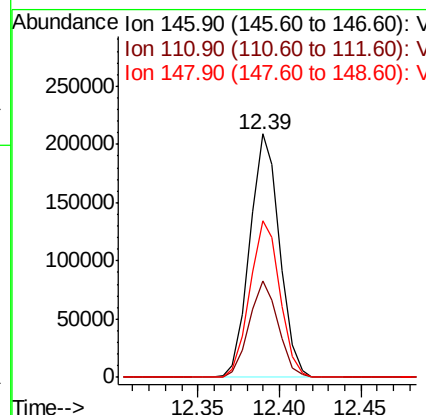
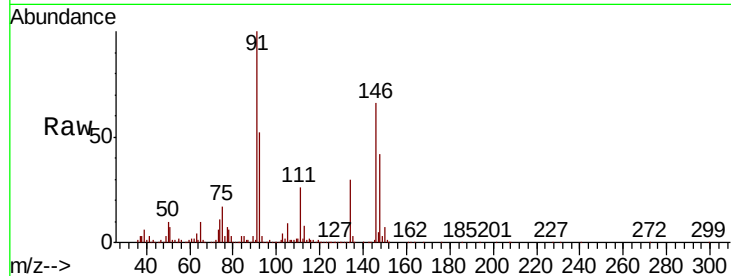




#91
 1,2-Dichlorobenzene
 Concen: 19.768 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006692.D
 Acq: 20 Dec 2018 23:20

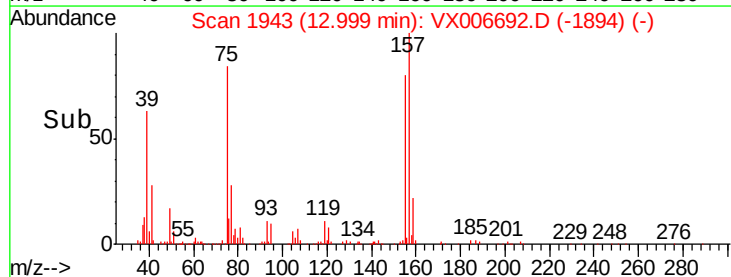
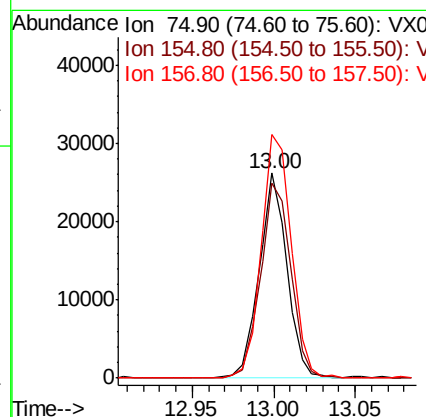
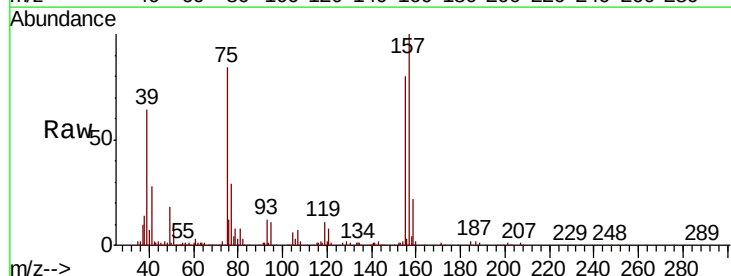
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBSD02

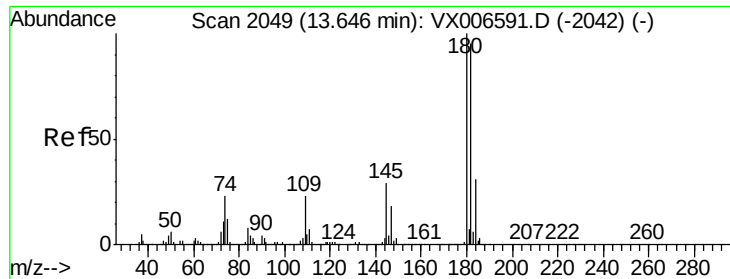
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	64.9	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.316 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006692.D
 Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.5	50.6	151.8
157	128.6	64.6	193.8

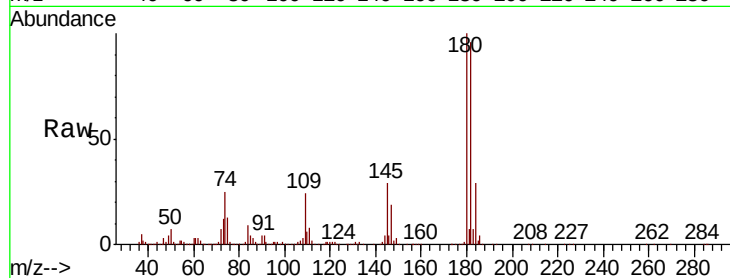




#93
 1,2,4-Trichlorobenzene
 Concen: 19.523 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006692.D
 Acq: 20 Dec 2018 23:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.3	142.0
145	29.4	14.8	44.3

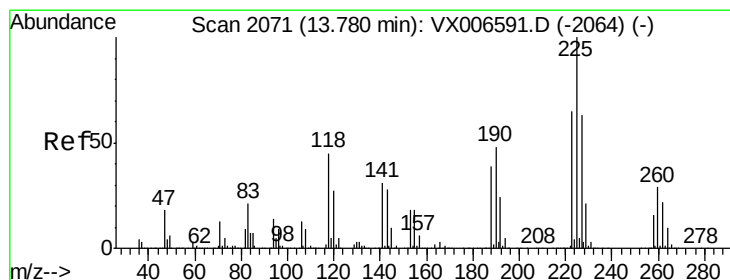
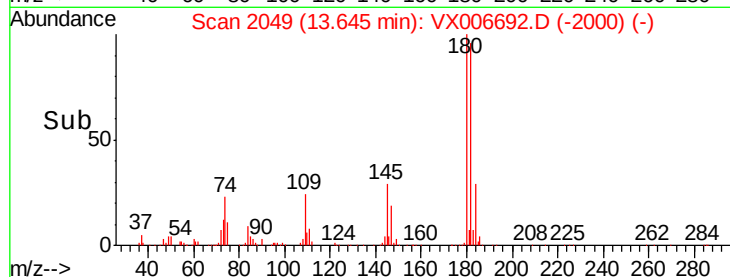
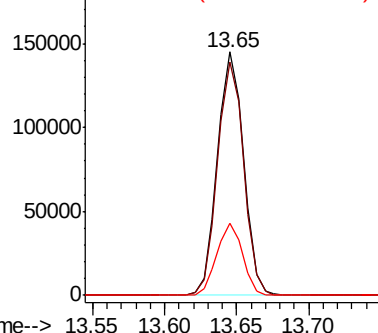


Abundance

Ion 179.80 (179.50 to 180.50): V

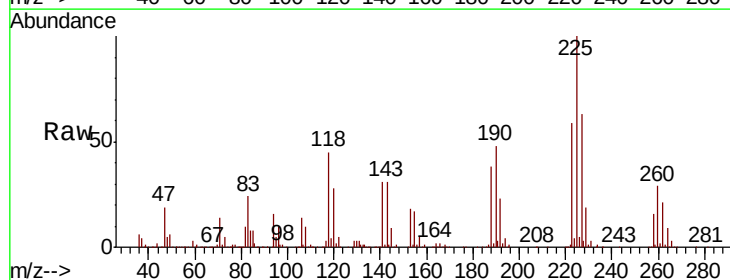
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.949 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006692.D
 Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	32.1	96.3
227	61.9	32.3	96.8

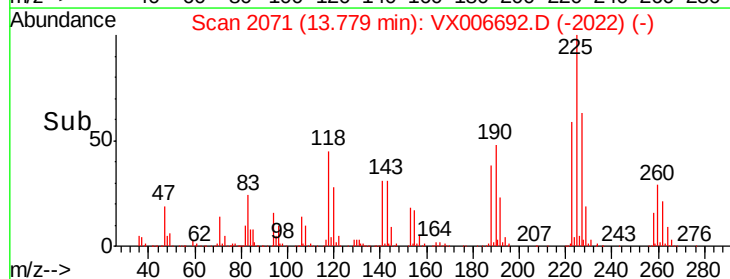
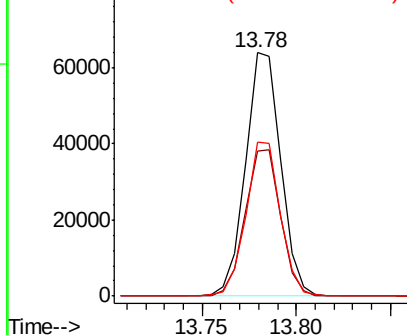


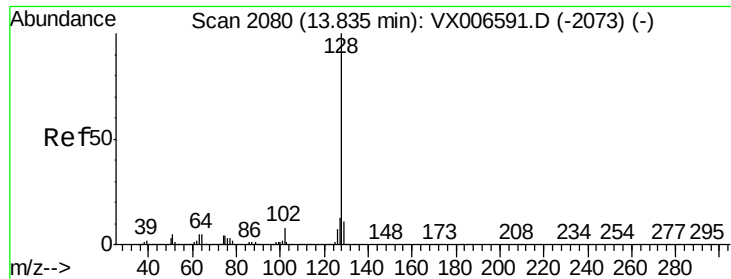
Abundance

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: 19.651 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

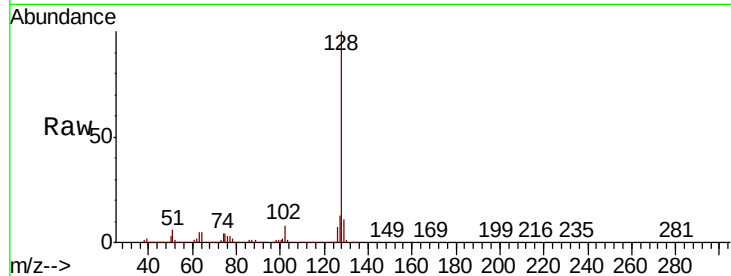
Tot Ion:128 Resp: 581606

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

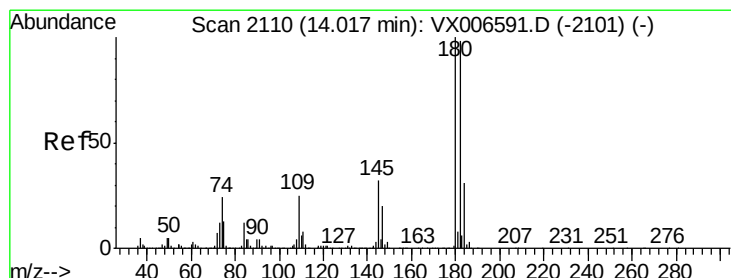
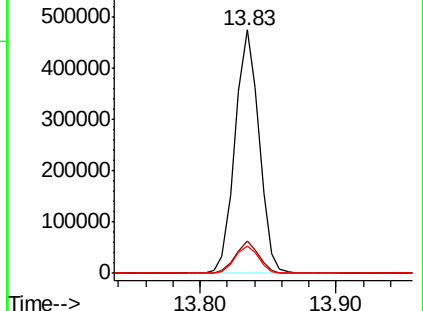
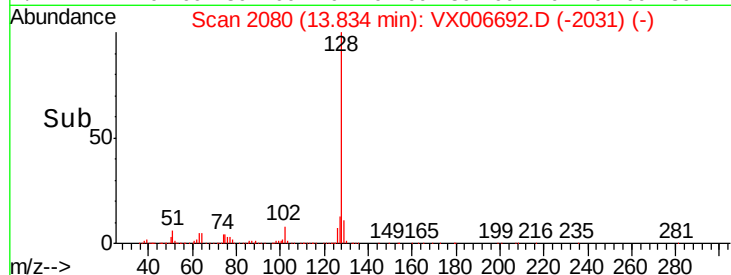
129 11.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.189 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

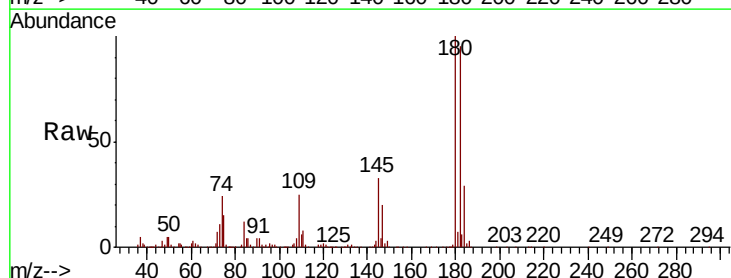
Tgt Ion:180 Resp: 183729

Ion Ratio Lower Upper

180 100

182 95.1 48.5 145.5

145 32.2 16.0 47.9



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

