

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
 Data File : VX006674.D
 Acq On : 20 Dec 2018 14:27
 Operator : JC/MD
 Sample : VX1220WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBSD01

Quant Time: Dec 21 03:30:49 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	555304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	870213	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	808527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	423698	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	315056	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	5.50	113	273615	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
50) Toluene-d8	8.71	98	1061306	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
62) 4-Bromofluorobenzene	11.13	95	398249	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	91507	18.013	ug/l	99
3) Chloromethane	1.33	50	104691	19.129	ug/l	97
4) Vinyl Chloride	1.41	62	112608	19.700	ug/l	97
5) Bromomethane	1.64	94	78502	13.310	ug/l	99
6) Chloroethane	1.72	64	74099	18.722	ug/l	96
7) Trichlorofluoromethane	1.93	101	177181	19.882	ug/l	95
8) Diethyl Ether	2.19	74	69494	19.633	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	99037	18.927	ug/l	100
10) Methyl Iodide	2.51	142	73128	9.763	ug/l	99
11) Tert butyl alcohol	3.07	59	144280	108.022	ug/l	98
12) 1,1-Dichloroethene	2.38	96	98483	19.850	ug/l	99
13) Acrolein	2.29	56	70635	78.393	ug/l	98
14) Allyl chloride	2.73	41	161695	19.362	ug/l	98
15) Acrylonitrile	3.15	53	311997	105.207	ug/l	100
16) Acetone	2.45	43	262571	95.494	ug/l	98
17) Carbon Disulfide	2.57	76	219559	16.722	ug/l	99
18) Methyl Acetate	2.78	43	174585	21.593	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	341582	20.743	ug/l	96
20) Methylene Chloride	2.85	84	113957	20.043	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	105343	19.163	ug/l	100
22) Diisopropyl ether	3.87	45	316694	20.728	ug/l	95
23) Vinyl Acetate	3.82	43	1245754	99.683	ug/l	100
24) 1,1-Dichloroethane	3.70	63	180309	19.770	ug/l	99
25) 2-Butanone	4.70	43	391022	101.100	ug/l	99
26) 2,2-Dichloropropane	4.59	77	116115	16.481	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	122773	20.242	ug/l	98
28) Bromochloromethane	5.01	49	78539	19.290	ug/l	96
29) Tetrahydrofuran	5.15	42	262821	103.173	ug/l	99
30) Chloroform	5.21	83	190956	20.218	ug/l	97
31) Cyclohexane	5.58	56	157461	19.004	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	152658	19.142	ug/l	97
36) 1,1-Dichloropropene	5.80	75	139143	19.306	ug/l	99
37) Ethyl Acetate	4.85	43	146620	19.545	ug/l	100
38) Carbon Tetrachloride	5.78	117	128183	18.300	ug/l	96

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 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)
39) Methylcyclohexane	7.46	83	168128	17.719	ug/l	98
40) Benzene	6.14	78	437642	19.976	ug/l	98
41) Methacrylonitrile	5.06	41	84443	21.202	ug/l	97
42) 1,2-Dichloroethane	6.20	62	148349	19.872	ug/l	98
43) Isopropyl Acetate	6.46	43	225403	19.748	ug/l	99
44) Trichloroethene	7.21	130	125332	18.901	ug/l	94
45) 1,2-Dichloropropane	7.52	63	106652	20.005	ug/l	99
46) Dibromomethane	7.66	93	76351	19.470	ug/l	96
47) Bromodichloromethane	7.90	83	118937	18.268	ug/l	99
48) Methyl methacrylate	7.77	41	121178	20.877	ug/l	99
49) 1,4-Dioxane	7.76	88	66502	426.495	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	780097	107.416	ug/l	99
52) Toluene	8.78	92	284074	20.071	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	121902	17.458	ug/l	96
54) cis-1,3-Dichloropropene	8.44	75	144451	18.854	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	118850	20.515	ug/l	98
56) Ethyl methacrylate	9.18	69	166000	20.273	ug/l	98
57) 1,3-Dichloropropane	9.37	76	189228	20.302	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	451135	103.650	ug/l	99
59) 2-Hexanone	9.49	43	598949	107.791	ug/l	99
60) Dibromochloromethane	9.59	129	97683	17.696	ug/l	99
61) 1,2-Dibromoethane	9.67	107	125283	20.343	ug/l	100
64) Tetrachloroethene	9.34	164	124579	19.458	ug/l	98
65) Chlorobenzene	10.14	112	326894	19.111	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	104525	19.586	ug/l	98
67) Ethyl Benzene	10.25	91	550290	19.688	ug/l	98
68) m/p-Xylenes	10.36	106	439699	39.866	ug/l	99
69) o-Xylene	10.70	106	214234	19.670	ug/l	97
70) Styrene	10.71	104	342647	19.886	ug/l	99
71) Bromoform	10.86	173	68842	17.485	ug/l #	99
73) Isopropylbenzene	11.02	105	572141	19.739	ug/l	99
74) N-amyl acetate	10.90	43	208273	20.074	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	179152	20.782	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	183233	23.270	ug/l	90
77) Bromobenzene	11.26	156	152131	19.413	ug/l	98
78) n-propylbenzene	11.36	91	631174	19.774	ug/l	99
79) 2-Chlorotoluene	11.42	91	376000	19.438	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	470530	19.708	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	32505	15.732	ug/l #	84
82) 4-Chlorotoluene	11.51	91	433611	19.542	ug/l	100
83) tert-Butylbenzene	11.77	119	476273	19.932	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	484014	19.274	ug/l	99
85) sec-Butylbenzene	11.94	105	574432	19.608	ug/l	100
86) p-Isopropyltoluene	12.07	119	510488	19.823	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	279025	19.756	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	276999	19.132	ug/l	98
89) n-Butylbenzene	12.38	91	418198	19.081	ug/l	99
90) Hexachloroethane	12.60	117	61220	17.482	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	279247	19.765	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	33313	18.676	ug/l	95

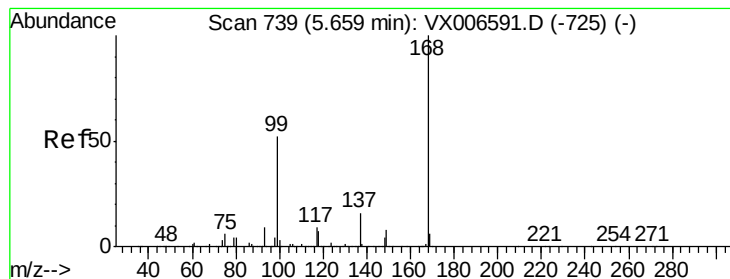
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122018\
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Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	186028	19.088	ug/l	99
94) Hexachlorobutadiene	13.78	225	81768	17.801	ug/l	98
95) Naphthalene	13.83	128	608808	19.573	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	189887	18.871	ug/l	99

(#) = 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: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

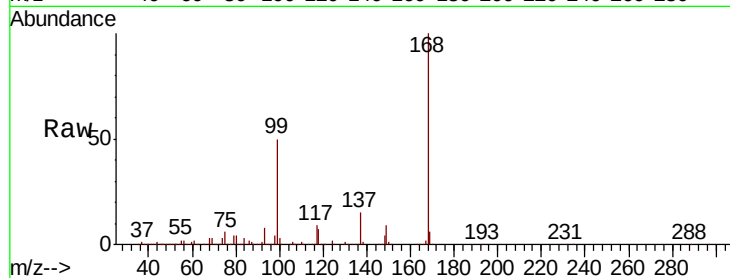
VX1220WBSD01

Tot Ion:168 Resp: 555304

Ion Ratio Lower Upper

168 100

99 49.8 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

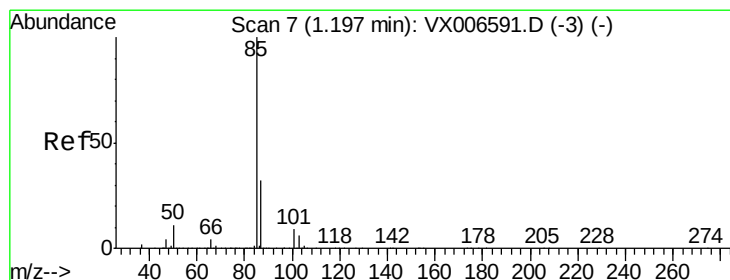
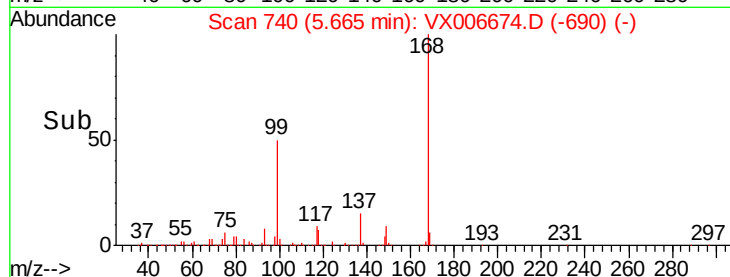
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.013 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006674.D

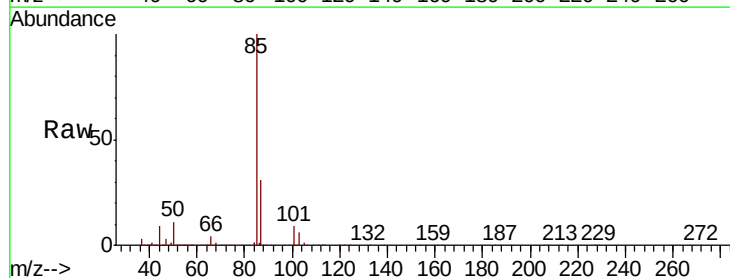
Acq: 20 Dec 2018 14:27

Tgt Ion: 85 Resp: 91507

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

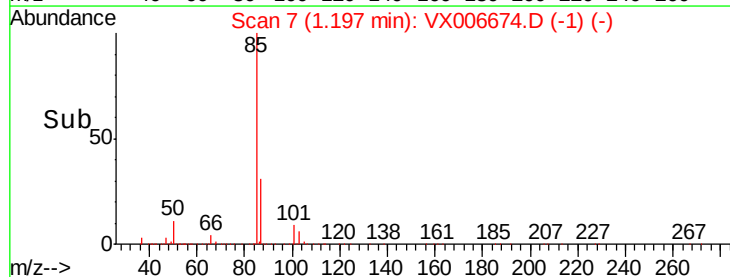
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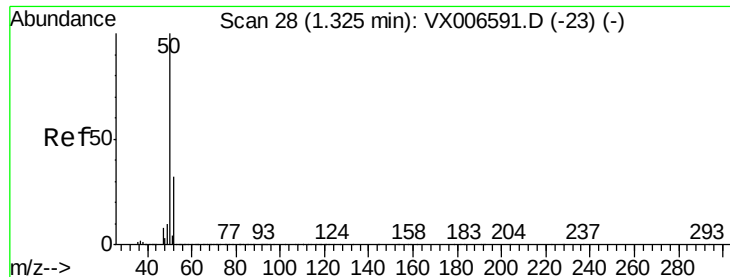
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.129 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

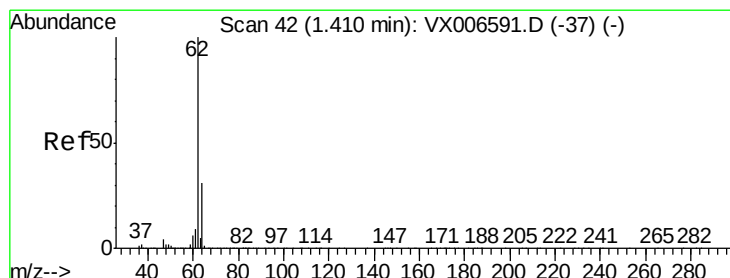
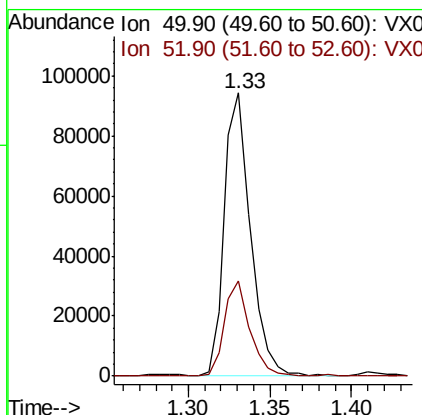
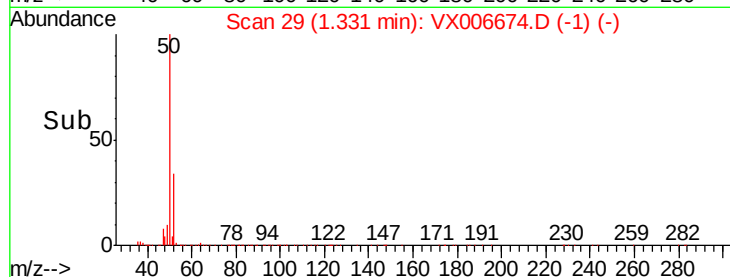
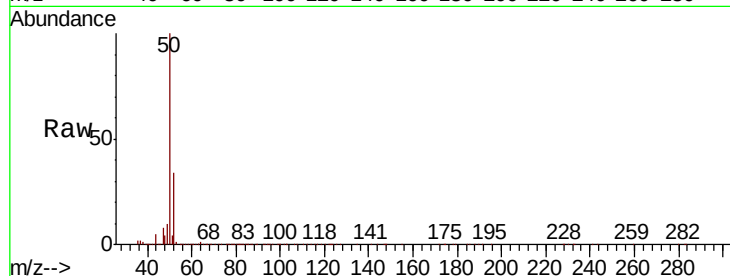
VX1220WBSD01

Tot Ion: 50 Resp: 104691

Ion Ratio Lower Upper

50 100

52 33.6 25.4 38.2



#4

Vinyl Chloride

Concen: 19.700 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006674.D

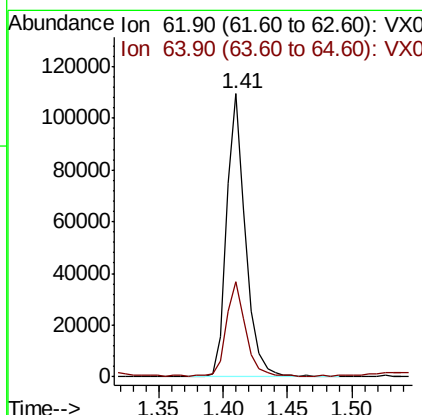
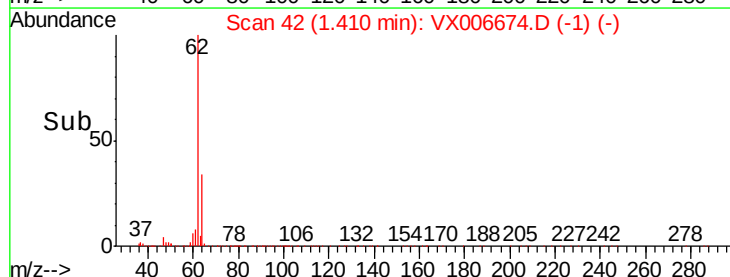
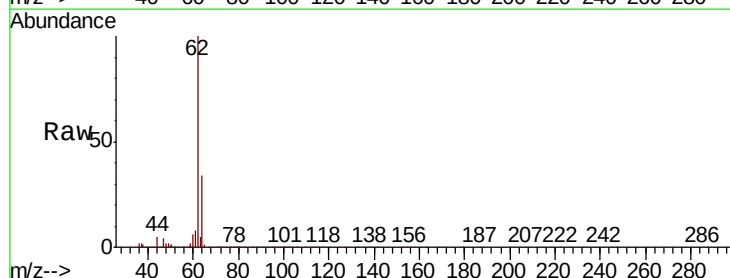
Acq: 20 Dec 2018 14:27

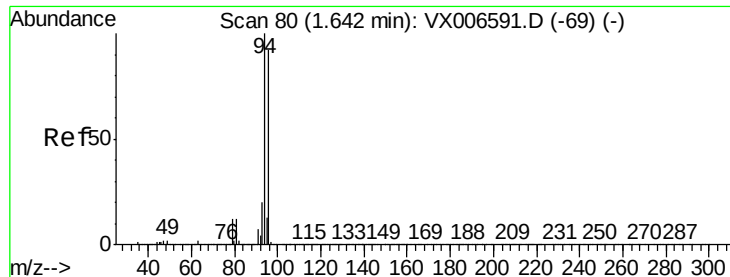
Tgt Ion: 62 Resp: 112608

Ion Ratio Lower Upper

62 100

64 33.2 25.1 37.7





#5

Bromomethane

Concen: 13.310 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

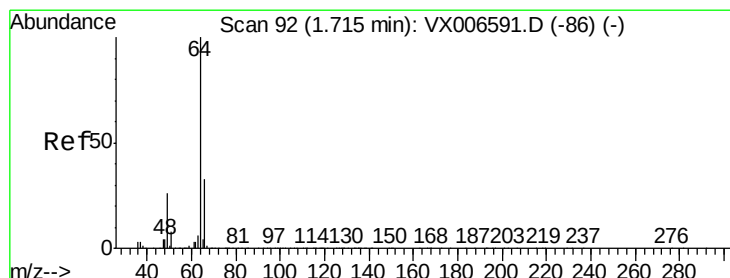
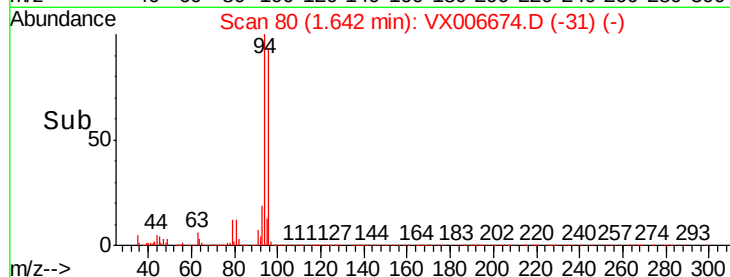
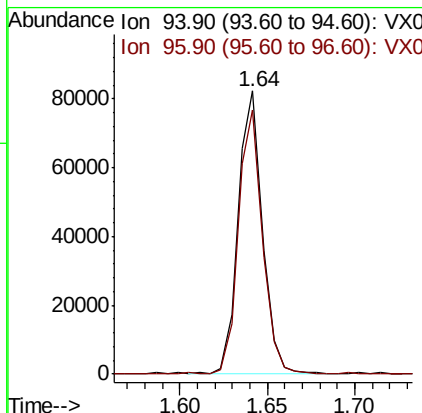
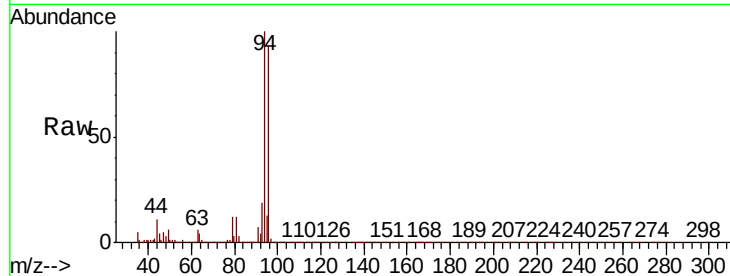
VX1220WBSD01

Tot Ion: 94 Resp: 78502

Ion Ratio Lower Upper

94 100

96 93.1 73.4 110.2



#6

Chloroethane

Concen: 18.722 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006674.D

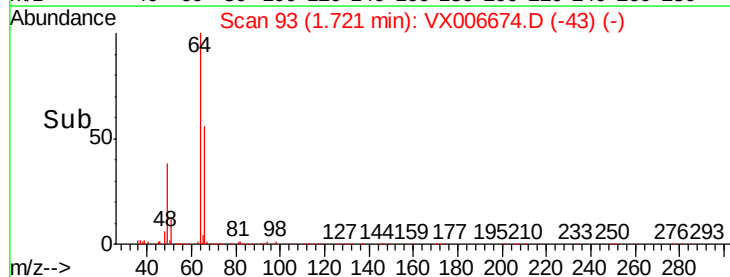
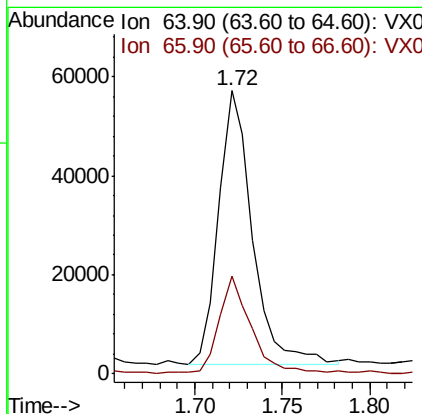
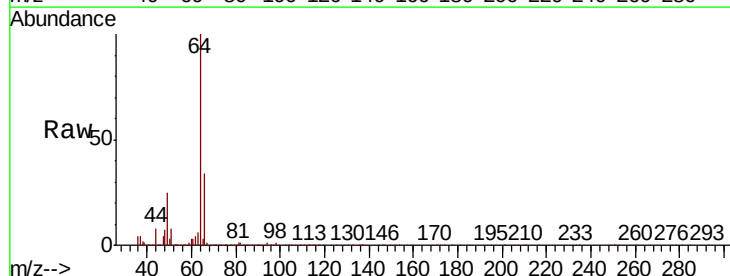
Acq: 20 Dec 2018 14:27

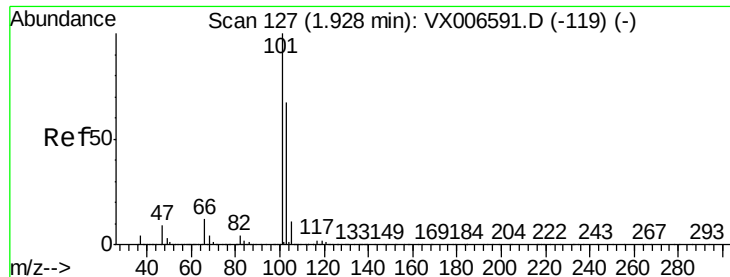
Tgt Ion: 64 Resp: 74099

Ion Ratio Lower Upper

64 100

66 35.1 26.4 39.6



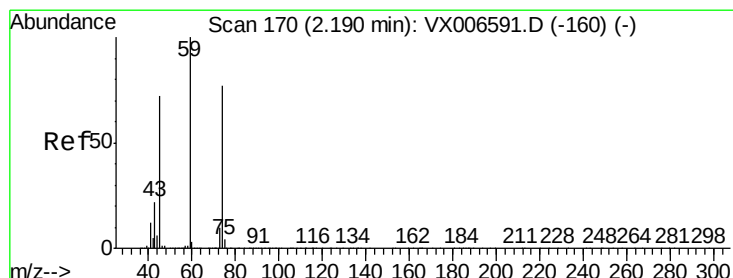
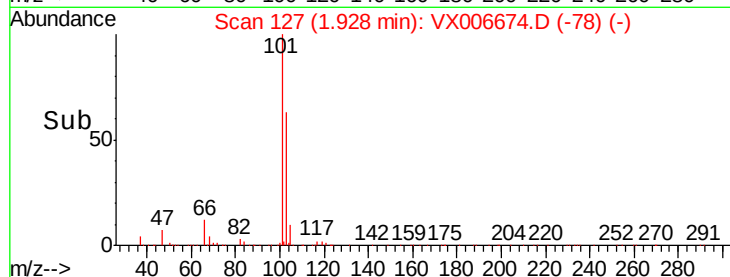
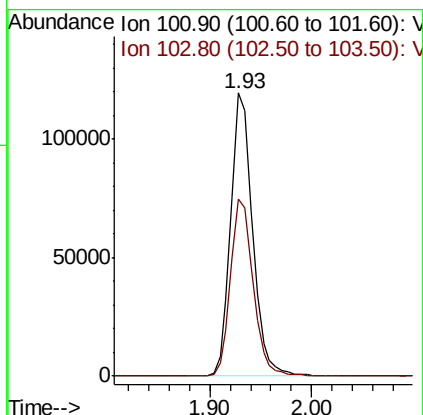
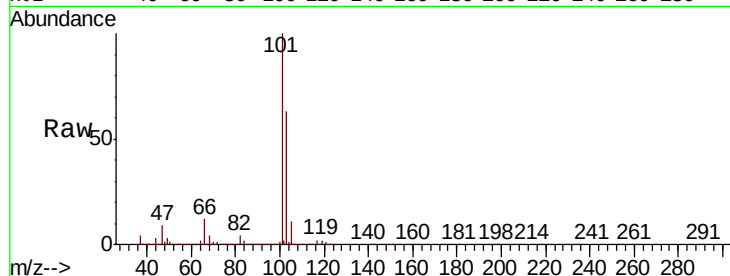


#7

Trichlorofluoromethane
Concen: 19.882 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

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MSVOA_X
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VX1220WBSD01

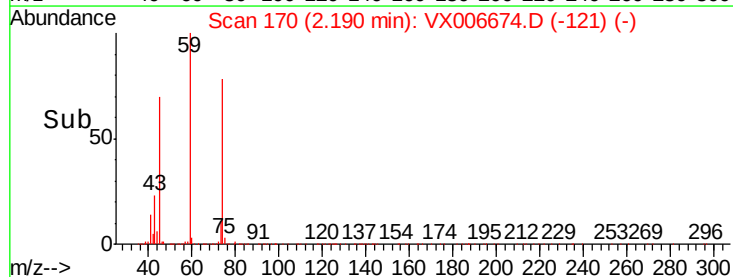
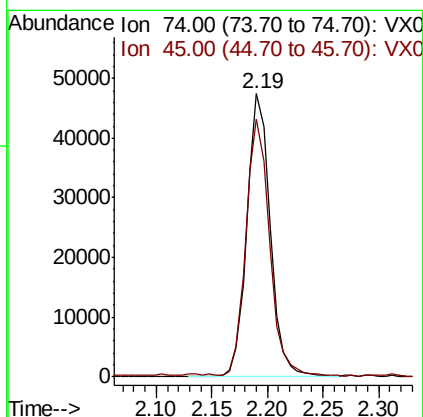
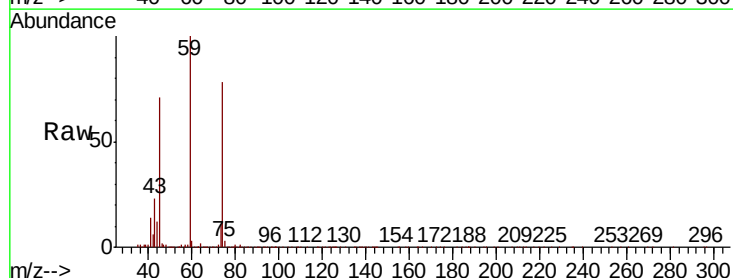
Tot Ion:101 Resp: 177181
Ion Ratio Lower Upper
101 100
103 62.5 53.2 79.8

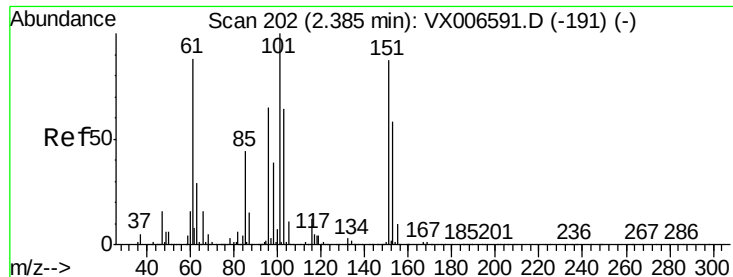


#8

Diethyl Ether
Concen: 19.633 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion: 74 Resp: 69494
Ion Ratio Lower Upper
74 100
45 92.4 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.927 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

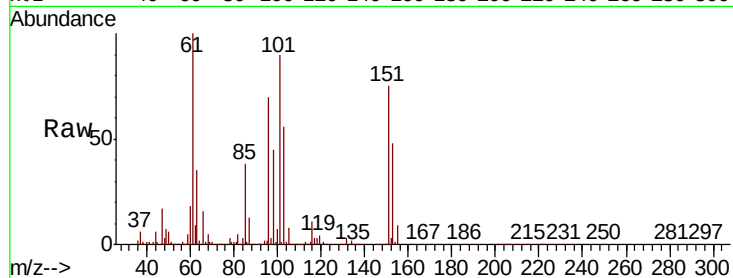
Tot Ion:101 Resp: 99037

Ion Ratio Lower Upper

101 100

85 43.5 35.1 52.7

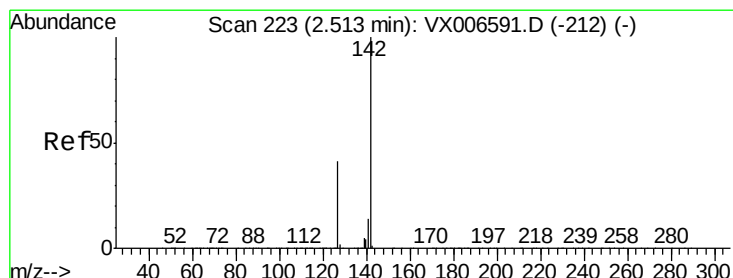
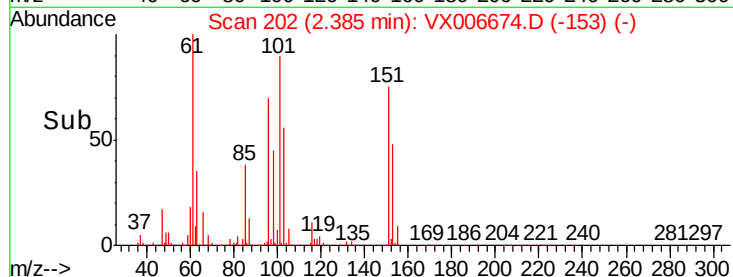
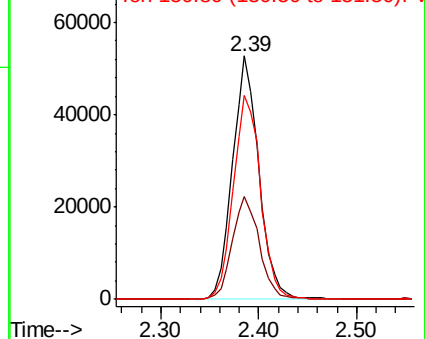
151 86.3 68.9 103.3



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: 9.763 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

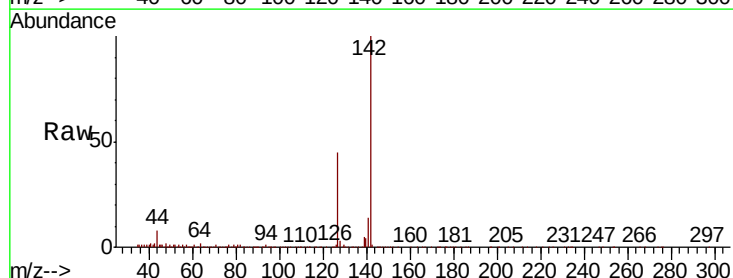
Tgt Ion:142 Resp: 73128

Ion Ratio Lower Upper

142 100

127 42.0 33.9 50.9

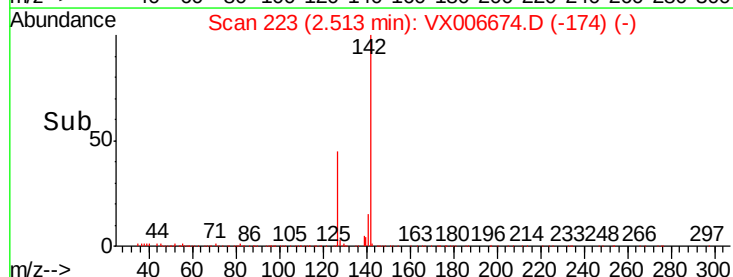
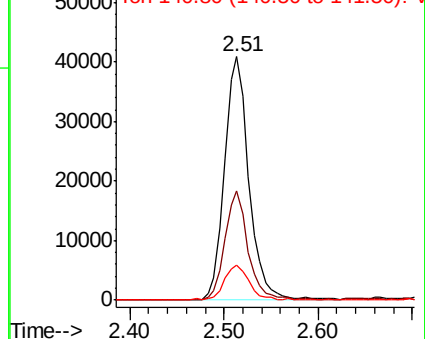
141 14.8 11.4 17.0

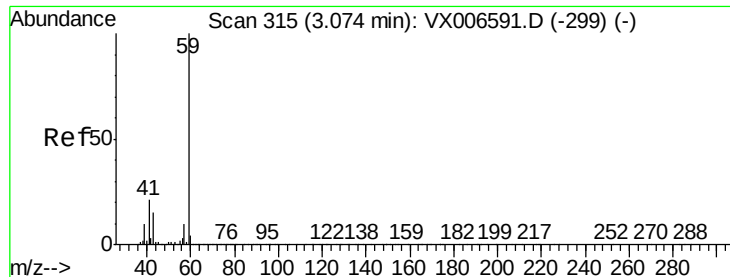


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



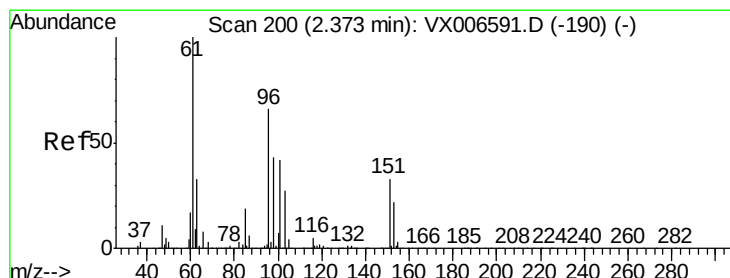
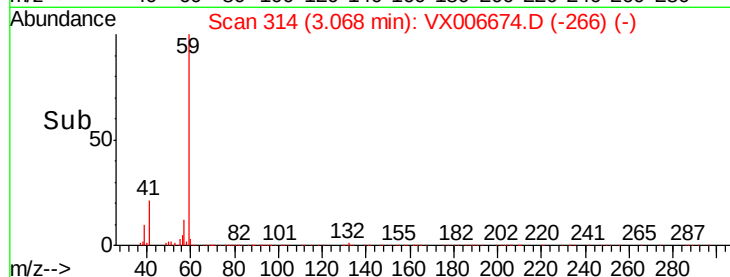
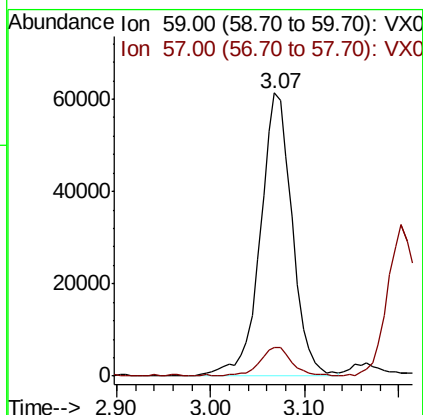
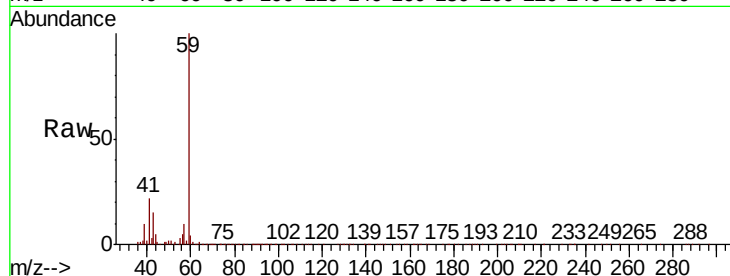


#11

Tert butyl alcohol
Concen: 108.022 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

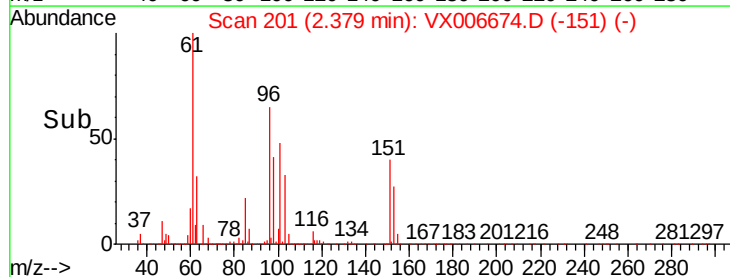
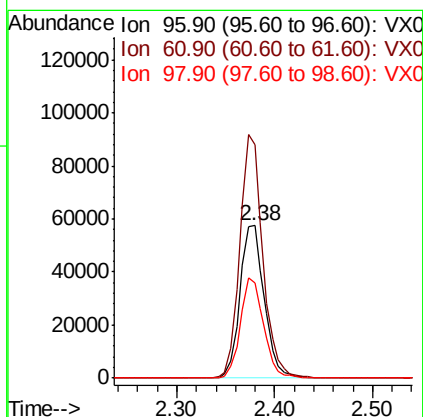
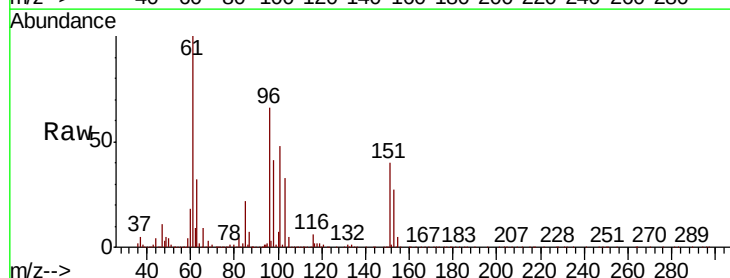
Tot Ion: 59 Resp: 144280
Ion Ratio Lower Upper
59 100
57 10.0 8.5 12.7

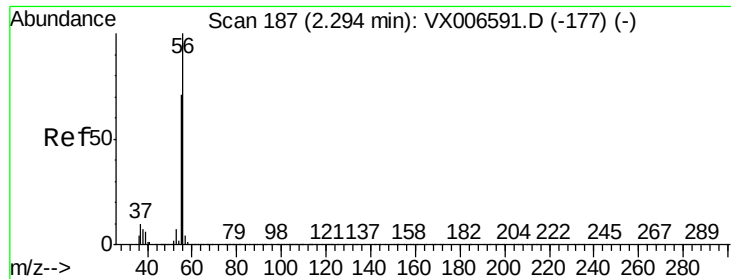


#12

1,1-Dichloroethene
Concen: 19.850 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion: 96 Resp: 98483
Ion Ratio Lower Upper
96 100
61 152.8 121.4 182.2
98 62.6 51.9 77.9





#13

Acrolein

Concen: 78.393 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

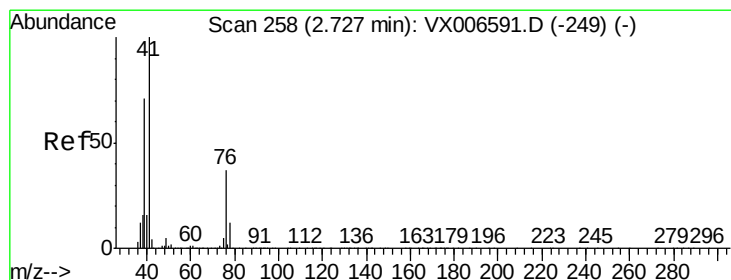
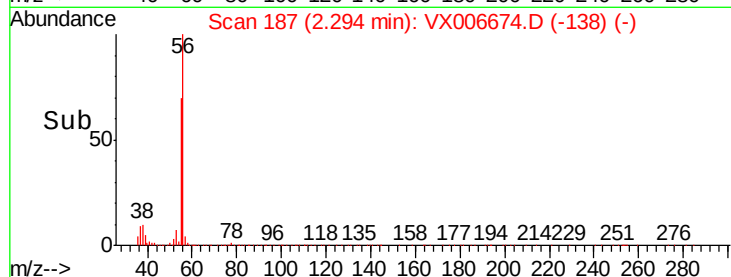
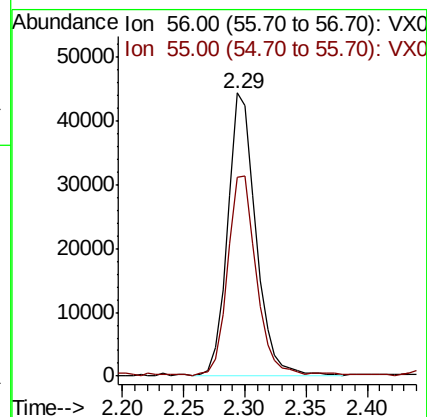
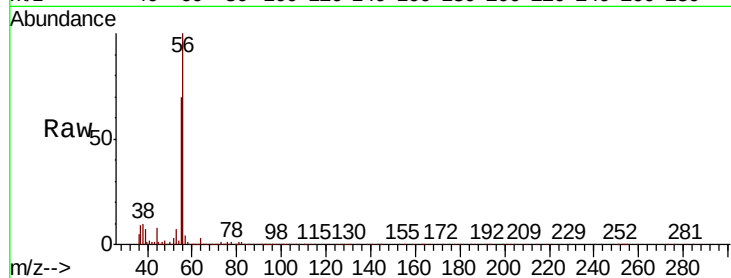
VX1220WBSD01

Tot Ion: 56 Resp: 70635

Ion Ratio Lower Upper

56 100

55 71.4 58.2 87.4



#14

Allyl chloride

Concen: 19.362 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

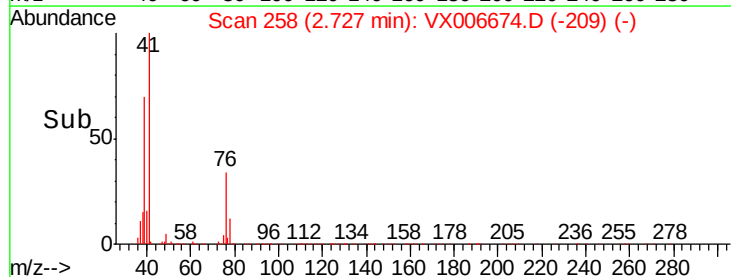
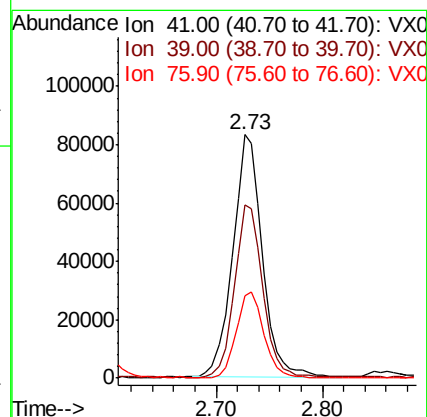
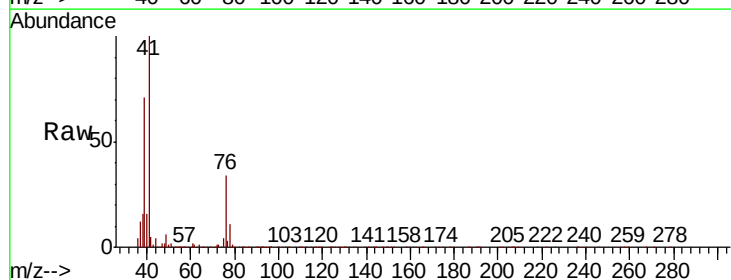
Tgt Ion: 41 Resp: 161695

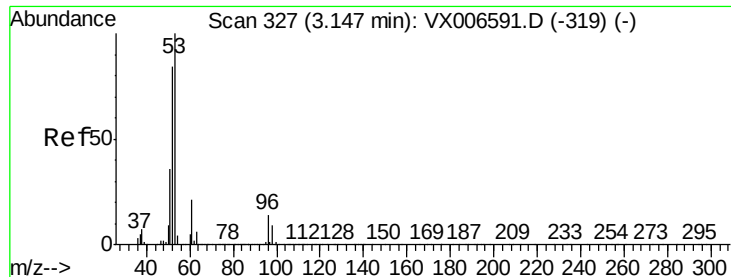
Ion Ratio Lower Upper

41 100

39 67.7 53.6 80.4

76 32.5 27.4 41.2





#15

Acrylonitrile

Concen: 105.207 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

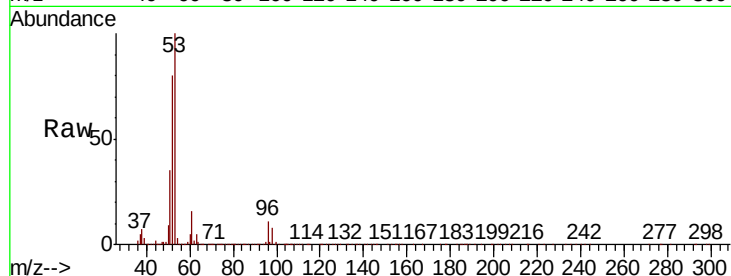
Tot Ion: 53 Resp: 311997

Ion Ratio Lower Upper

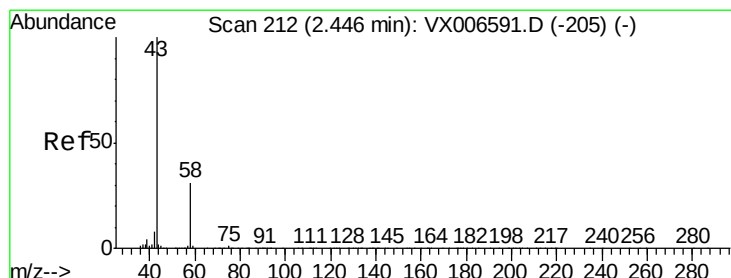
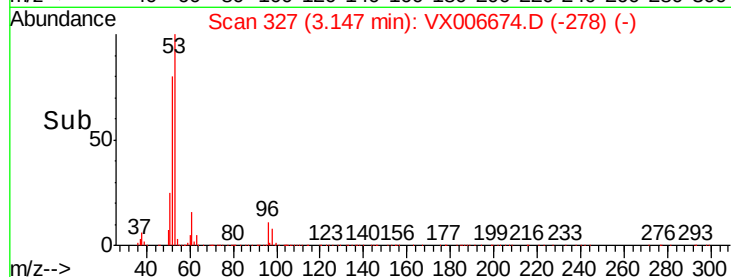
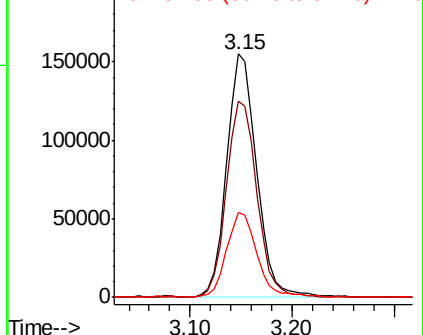
53 100

52 82.4 66.0 99.0

51 35.5 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: 95.494 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006674.D

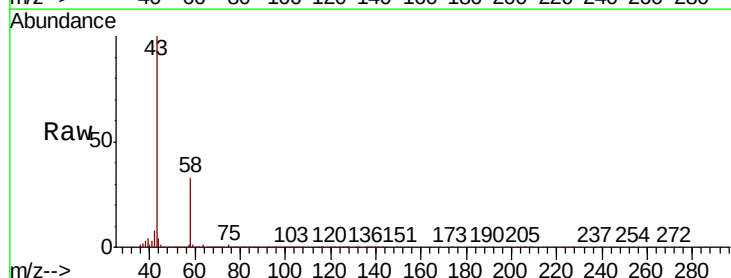
Acq: 20 Dec 2018 14:27

Tgt Ion: 43 Resp: 262571

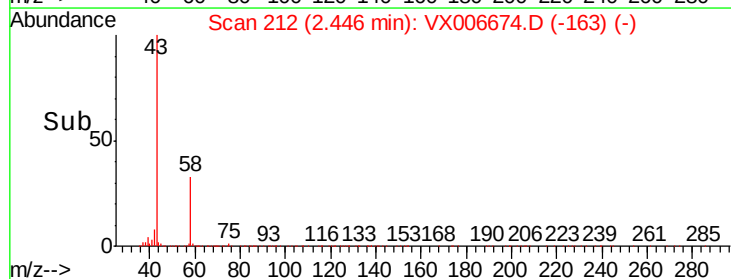
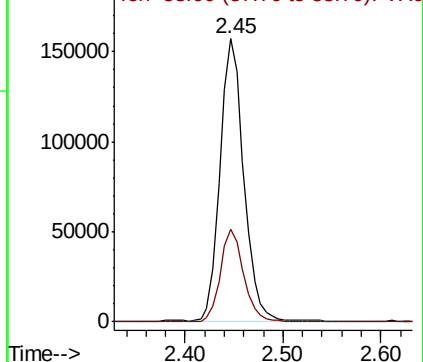
Ion Ratio Lower Upper

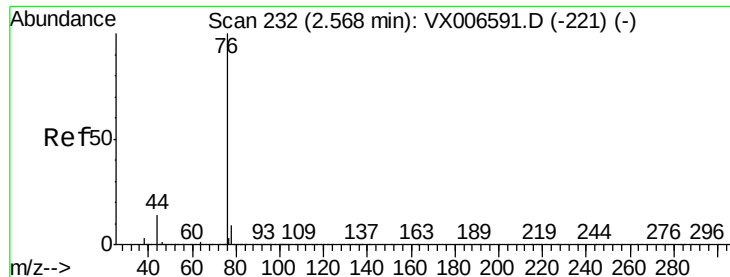
43 100

58 32.5 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: 16.722 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

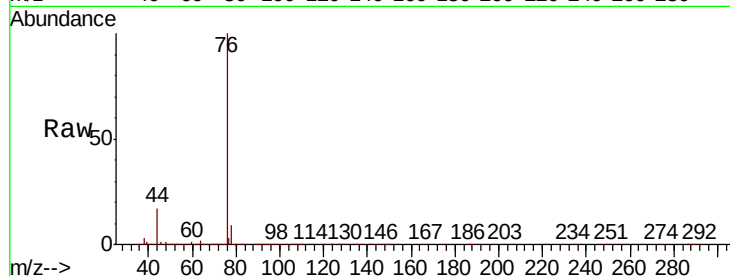
VX1220WBSD01

Tot Ion: 76 Resp: 219559

Ion Ratio Lower Upper

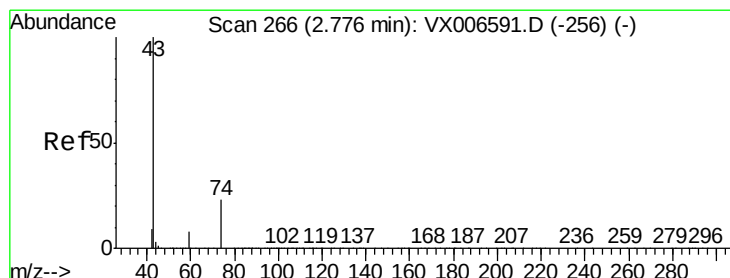
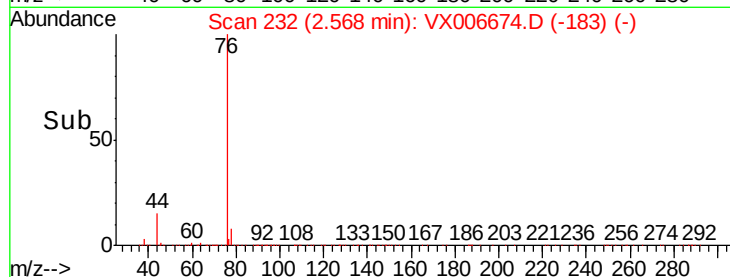
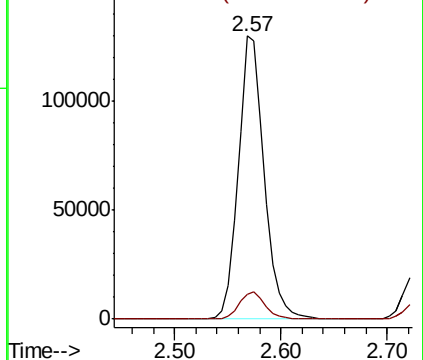
76 100

78 8.6 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: 21.593 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX006674.D

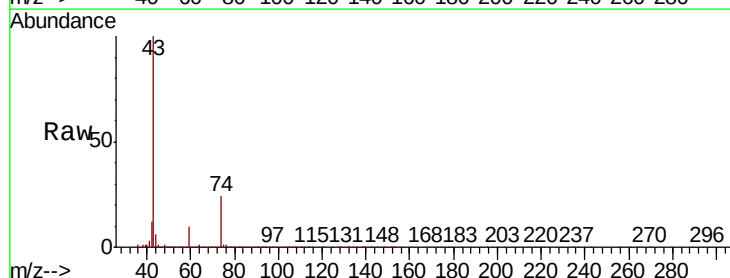
Acq: 20 Dec 2018 14:27

Tgt Ion: 43 Resp: 174585

Ion Ratio Lower Upper

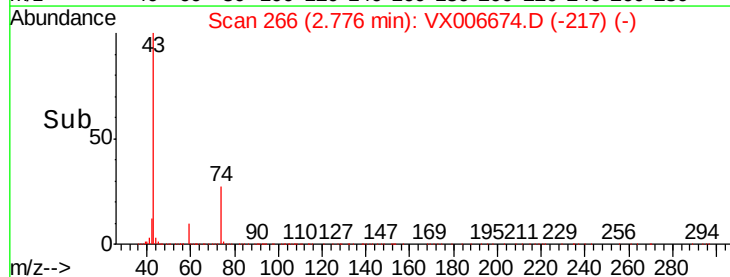
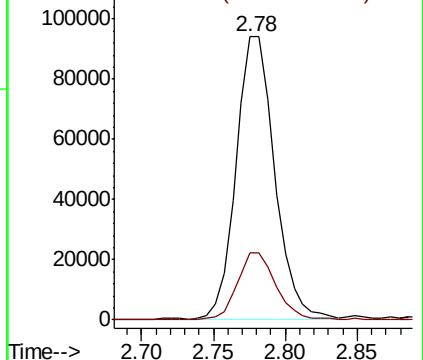
43 100

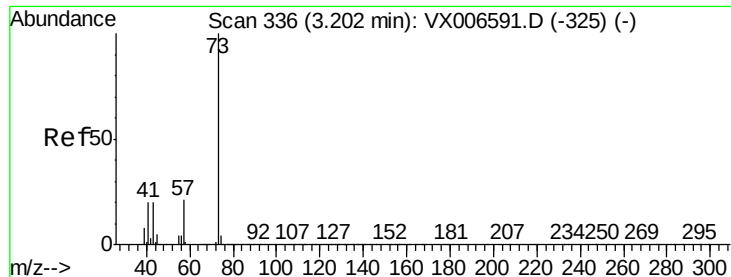
74 23.7 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



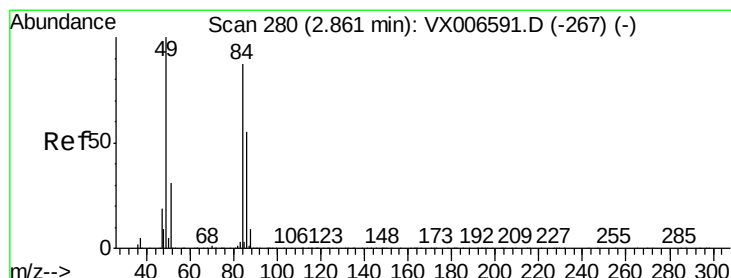
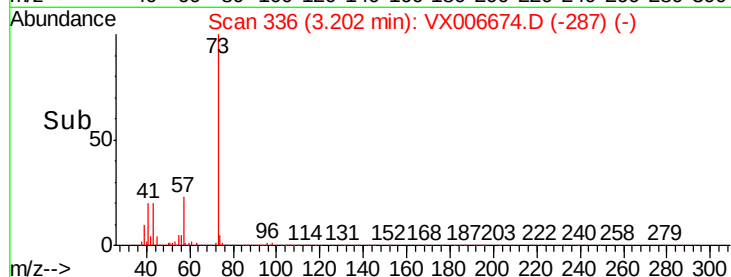
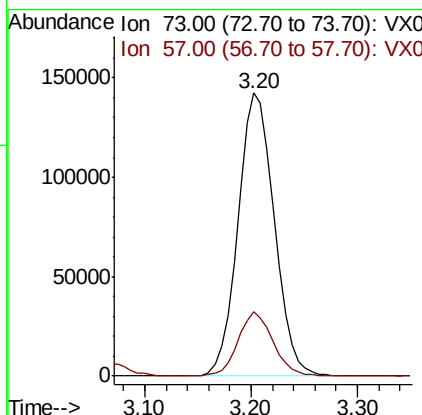
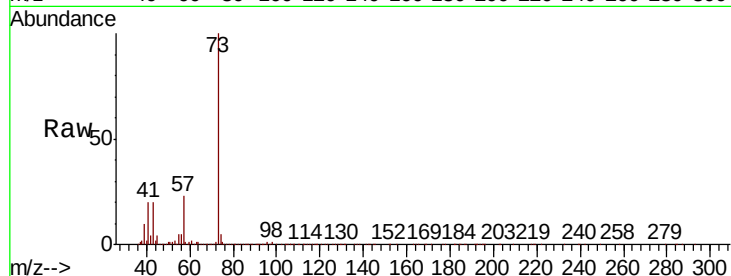


#19

Methyl tert-butyl Ether
 Concen: 20.743 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX006674.D
 Acq: 20 Dec 2018 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBSD01

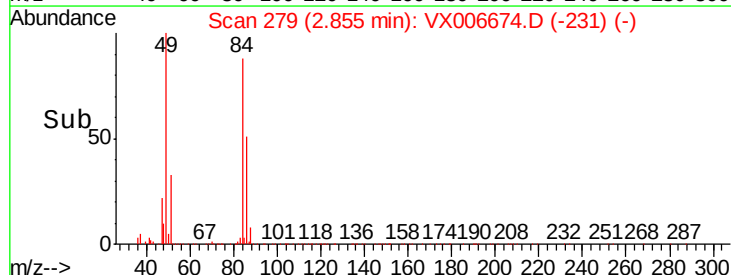
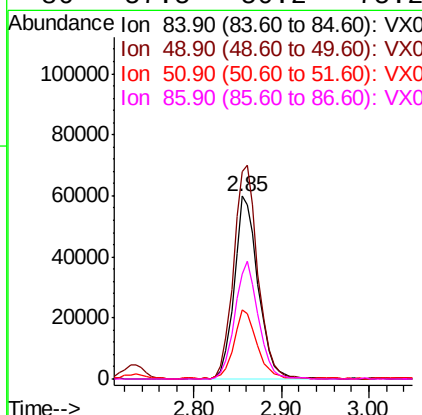
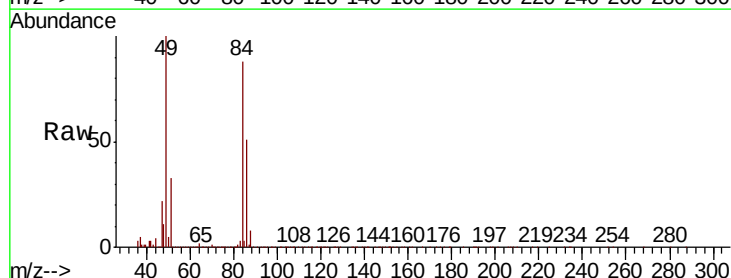
Tot Ion: 73 Resp: 341582
 Ion Ratio Lower Upper
 73 100
 57 22.8 16.8 25.2

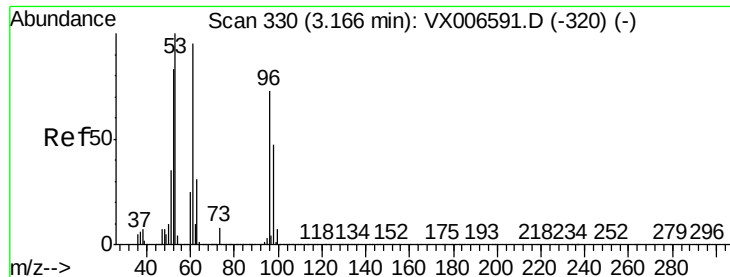


#20

Methylene Chloride
 Concen: 20.043 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX006674.D
 Acq: 20 Dec 2018 14:27

Tgt Ion: 84 Resp: 113957
 Ion Ratio Lower Upper
 84 100
 49 113.0 91.8 137.6
 51 37.4 28.5 42.7
 86 57.5 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 19.163 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

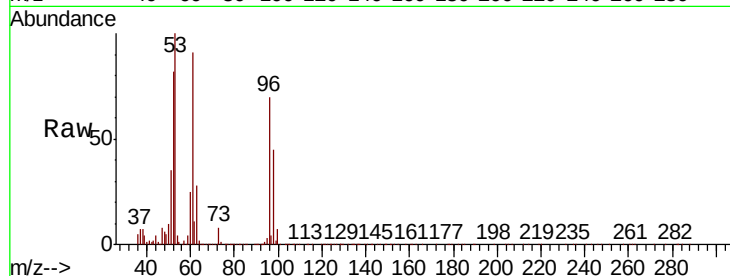
Tot Ion: 96 Resp: 105343

Ion Ratio Lower Upper

96 100

61 129.2 103.7 155.5

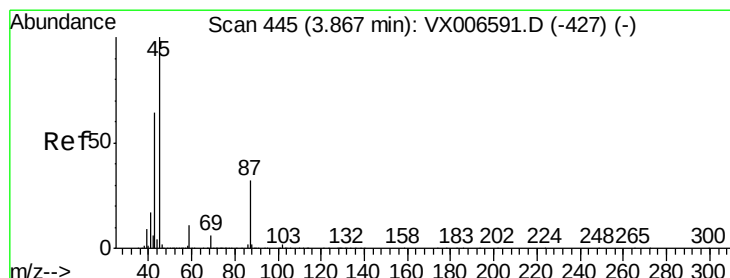
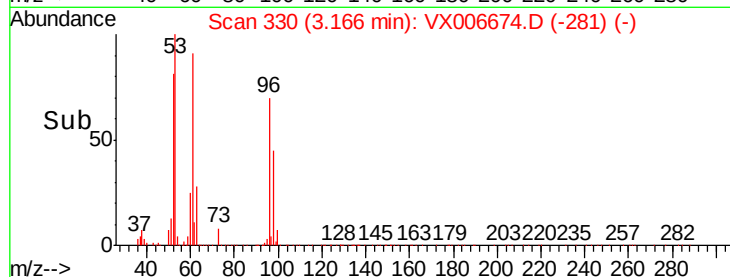
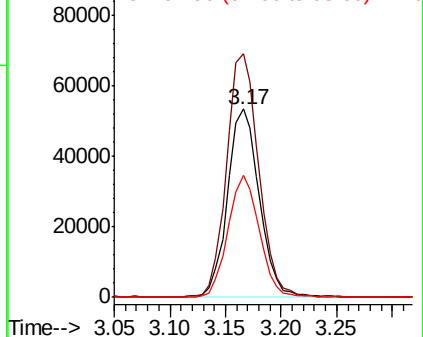
98 64.3 51.0 76.6



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: 20.728 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Tgt Ion: 45 Resp: 316694

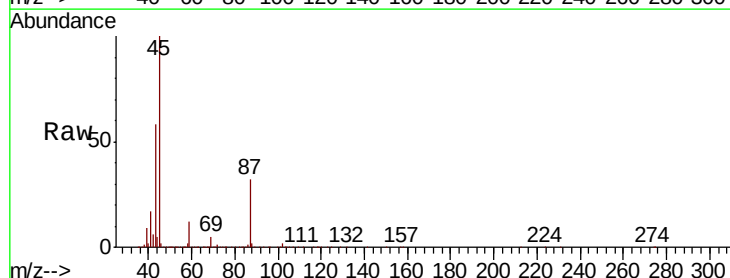
Ion Ratio Lower Upper

45 100

43 57.9 51.2 76.8

87 31.7 25.8 38.6

59 12.4 9.0 13.4

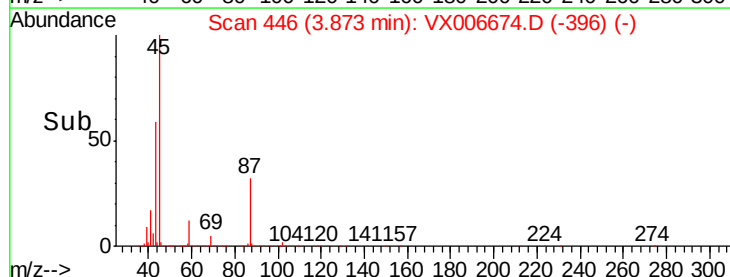
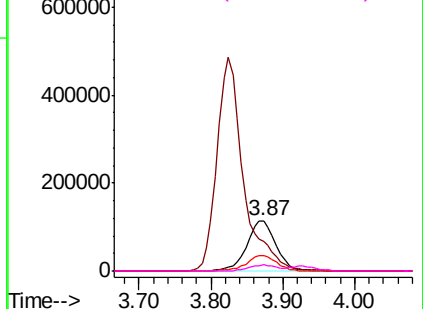


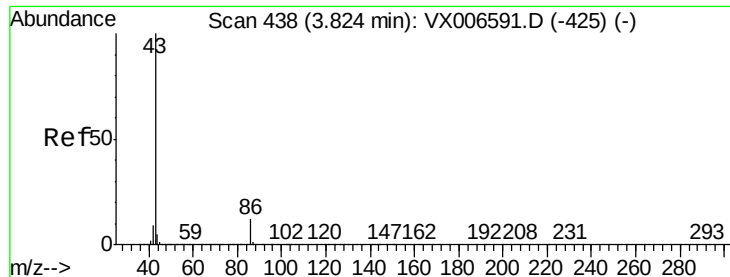
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 99.683 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleID :

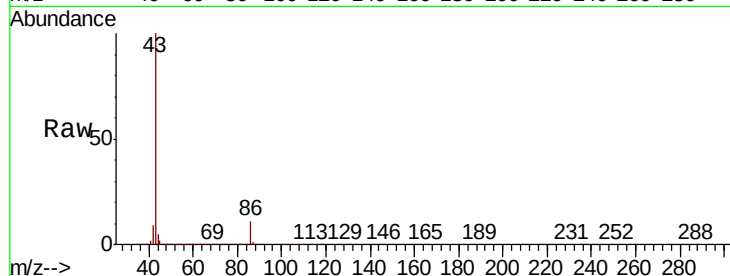
VX1220WBSD01

Tot Ion: 43 Resp: 1245754

Ion Ratio Lower Upper

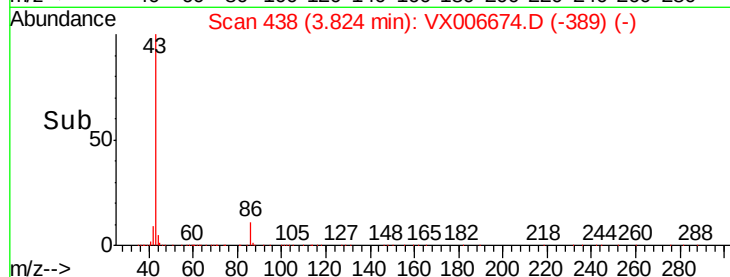
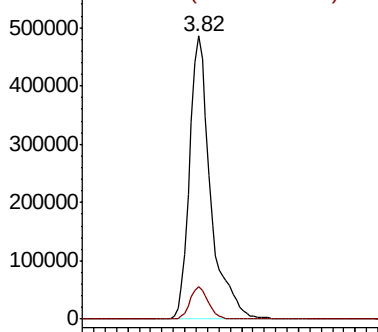
43 100

86 11.4 9.2 13.8

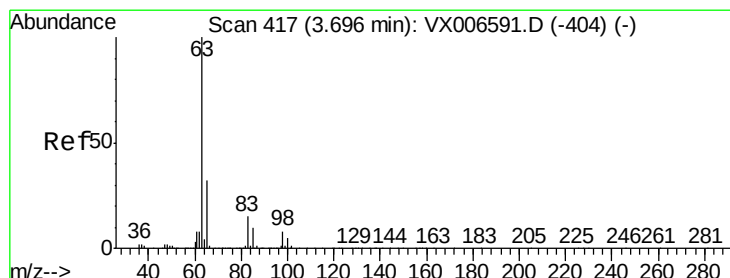


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 19.770 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

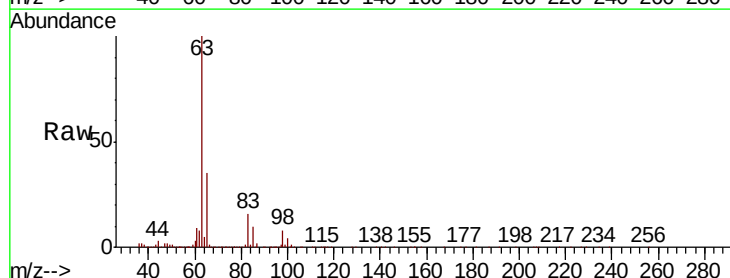
Tgt Ion: 63 Resp: 180309

Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.5

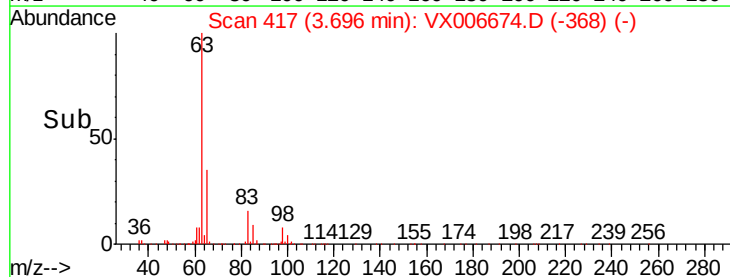
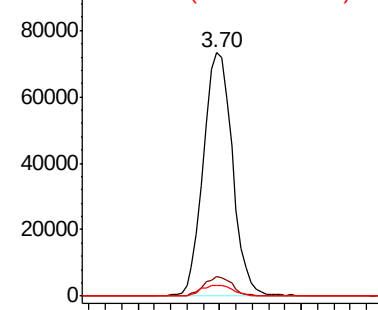
100 4.0 2.4 7.2



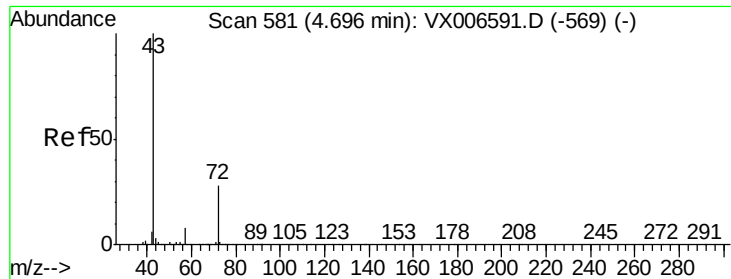
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->



#25

2-Butanone

Concen: 101.100 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

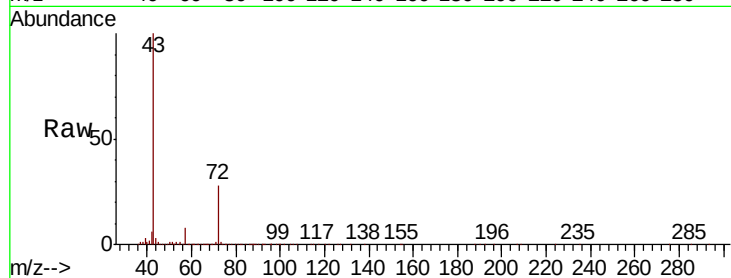
VX1220WBSD01

Tot Ion: 43 Resp: 391022

Ion Ratio Lower Upper

43 100

72 28.4 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

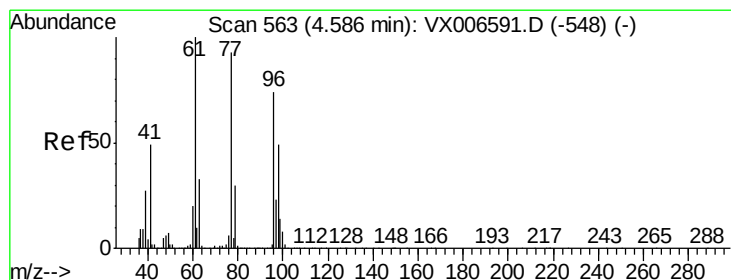
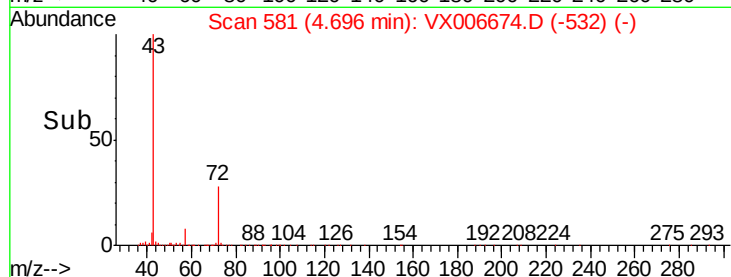
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 16.481 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006674.D

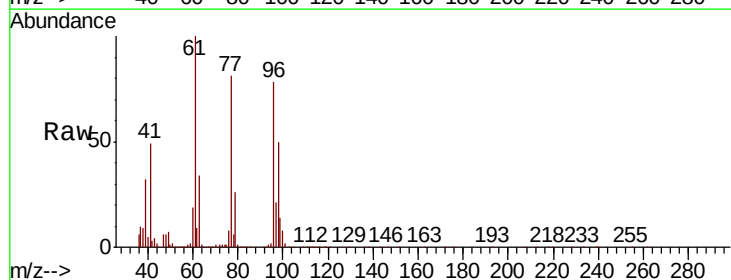
Acq: 20 Dec 2018 14:27

Tgt Ion: 77 Resp: 116115

Ion Ratio Lower Upper

77 100

97 25.2 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

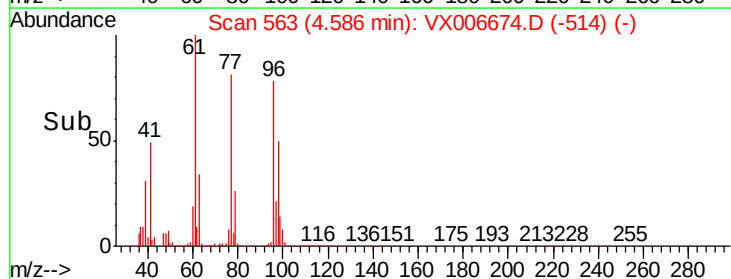
20000

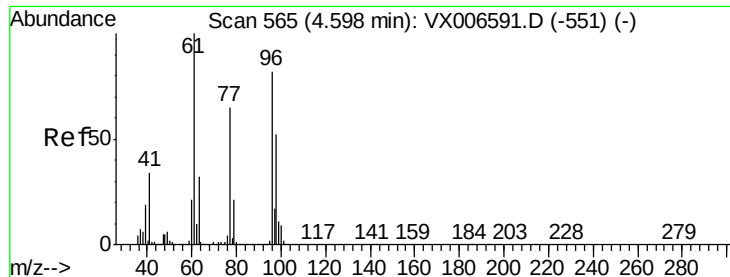
10000

0

4.40 4.50 4.60 4.70

Time-->



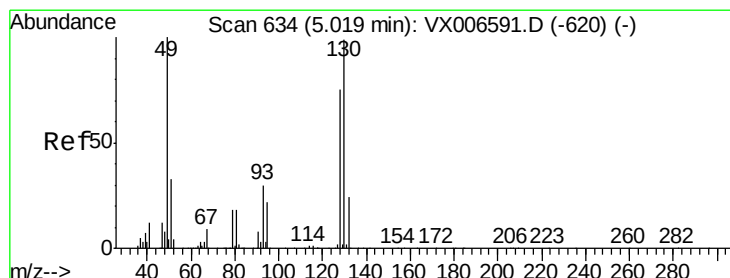
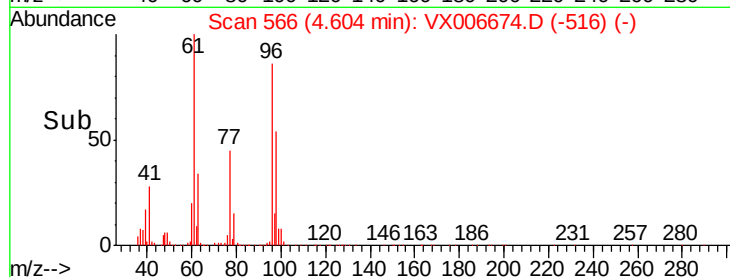
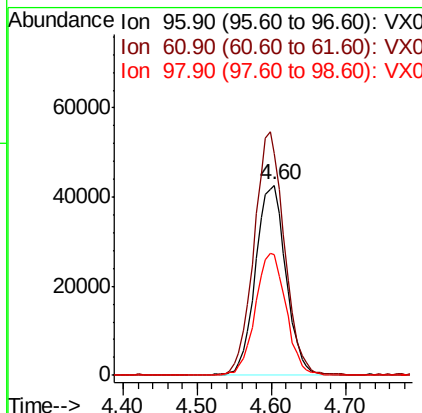
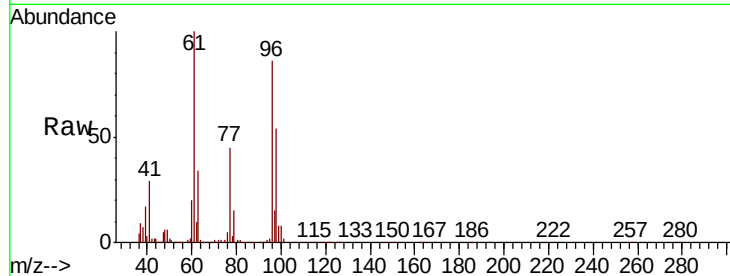


#27

cis-1,2-Dichloroethene
 Concen: 20.242 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX006674.D
 Acq: 20 Dec 2018 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBSD01

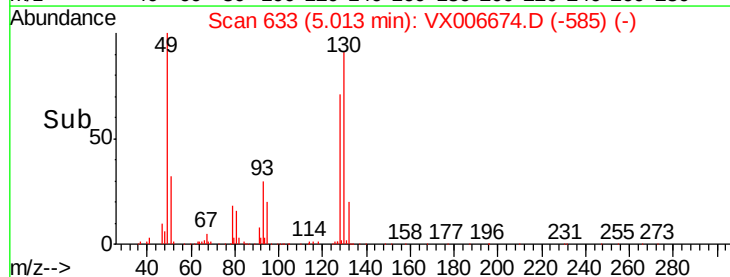
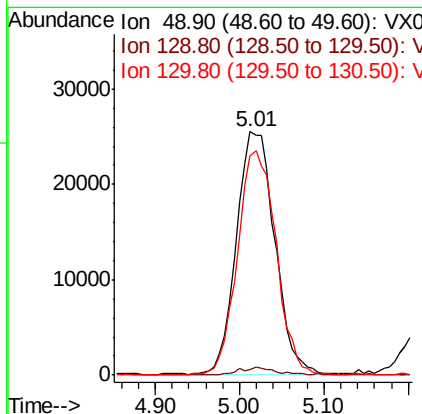
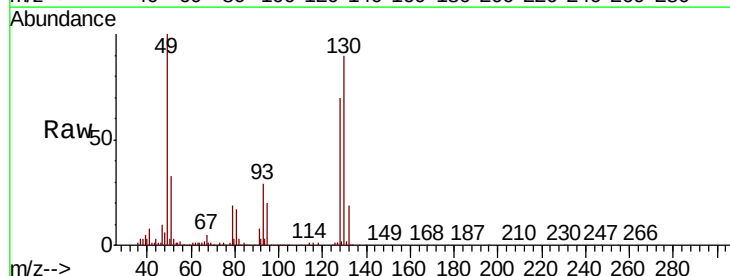
Tot Ion	Ratio	Lower	Upper
96	100		
61	126.4	0.0	258.6
98	64.7	0.0	132.0

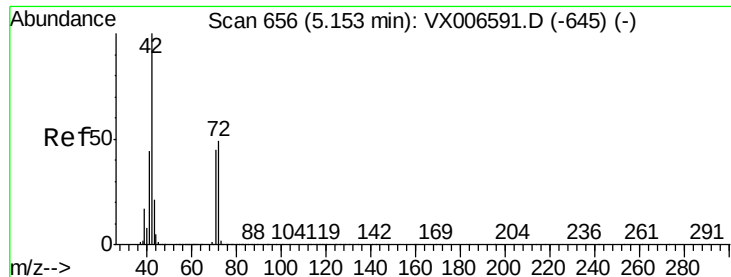


#28

Bromochloromethane
 Concen: 19.290 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX006674.D
 Acq: 20 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.4
130	92.9	77.7	116.5

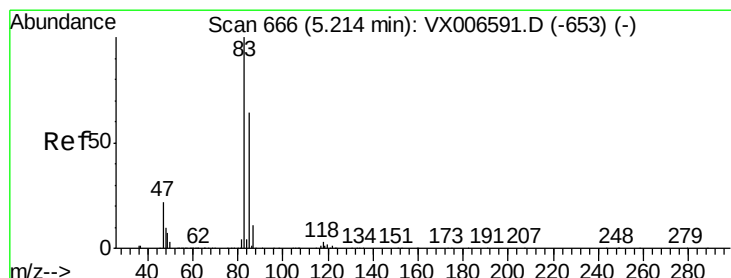
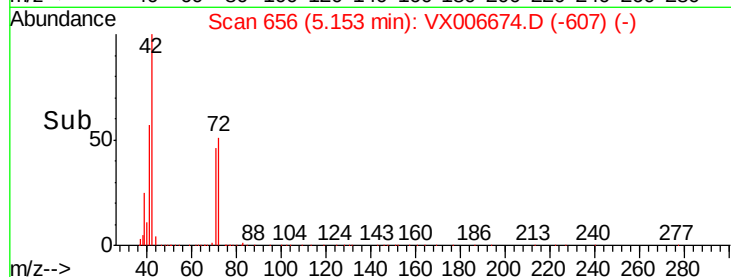
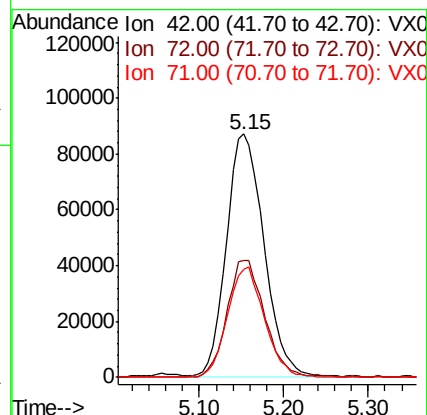
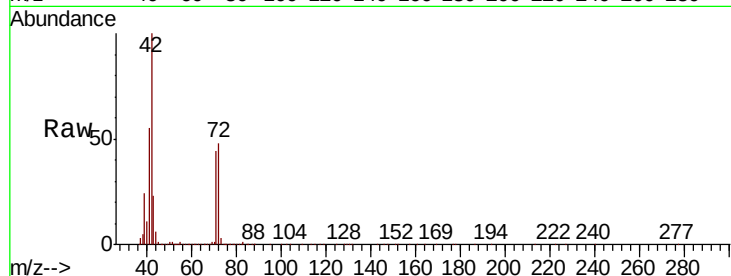




#29
Tetrahydrofuran
Concen: 103.173 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

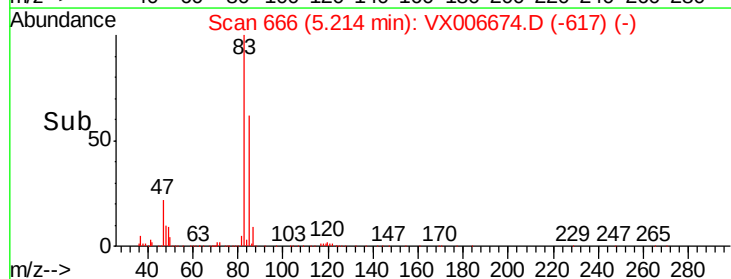
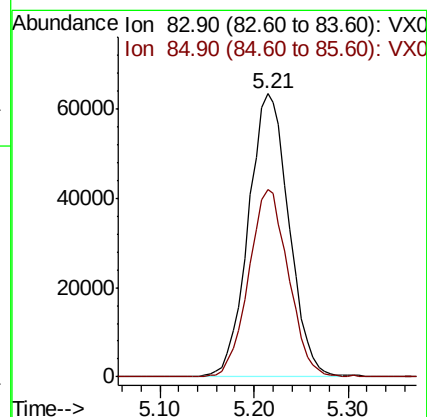
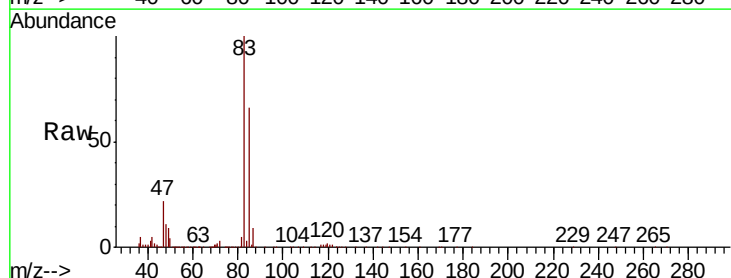
Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

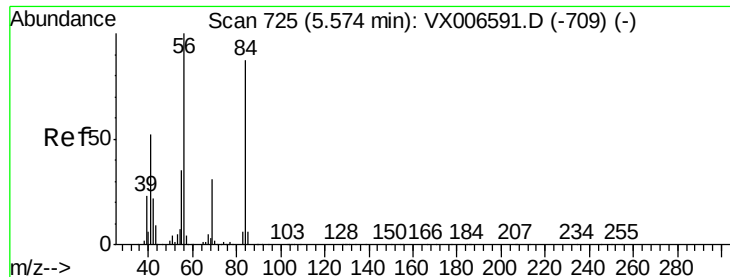
Tot Ion: 42 Resp: 262821
Ion Ratio Lower Upper
42 100
72 48.2 38.9 58.3
71 44.8 36.2 54.4



#30
Chloroform
Concen: 20.218 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion: 83 Resp: 190956
Ion Ratio Lower Upper
83 100
85 66.3 51.2 76.8

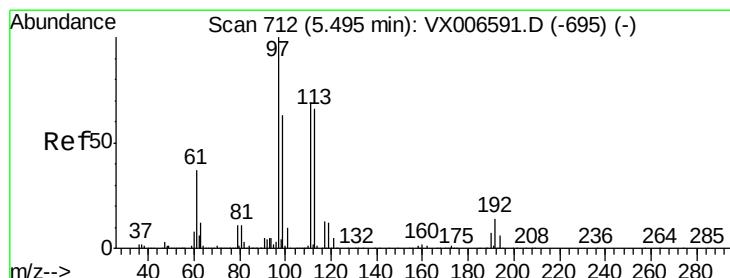
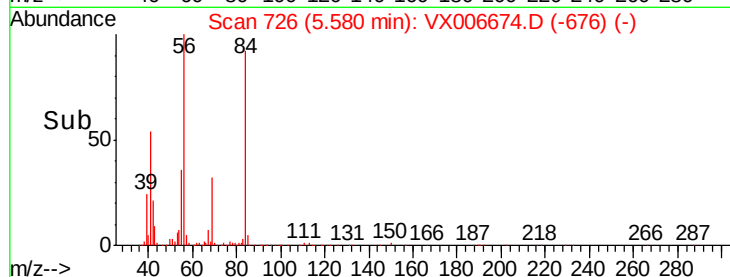
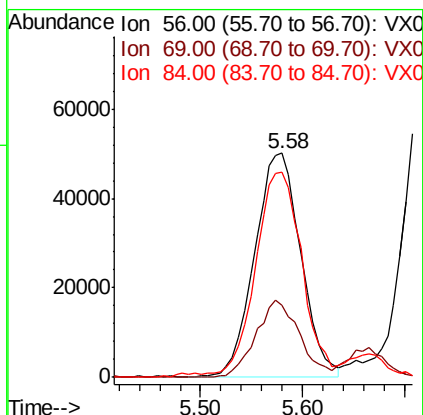
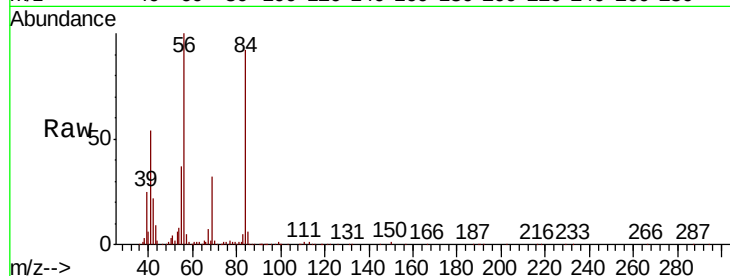




#31
Cyclohexane
Concen: 19.004 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

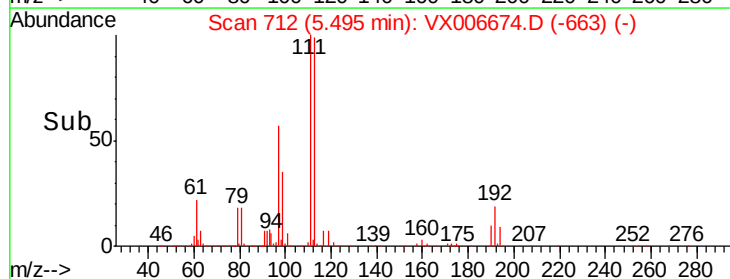
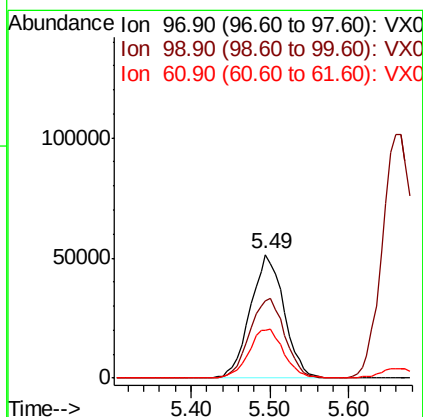
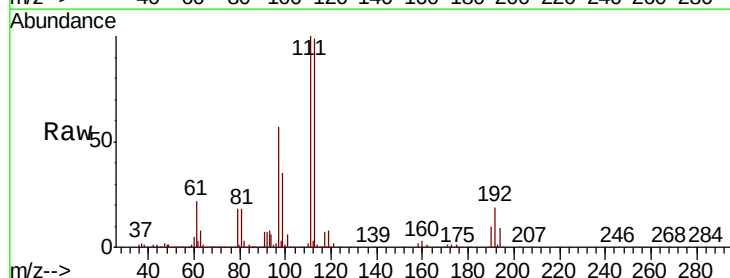
Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

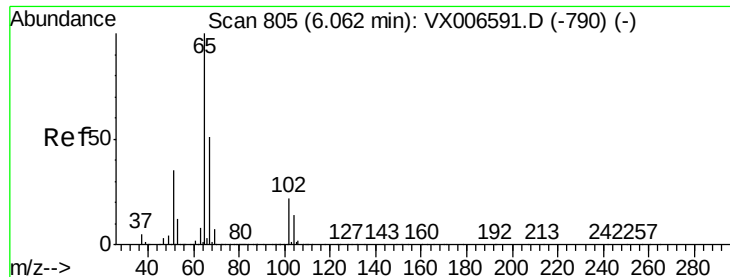
Tot Ion: 56 Resp: 157461
Ion Ratio Lower Upper
56 100
69 31.4 24.4 36.6
84 89.8 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 19.142 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion: 97 Resp: 152658
Ion Ratio Lower Upper
97 100
99 67.0 51.7 77.5
61 40.6 31.3 46.9

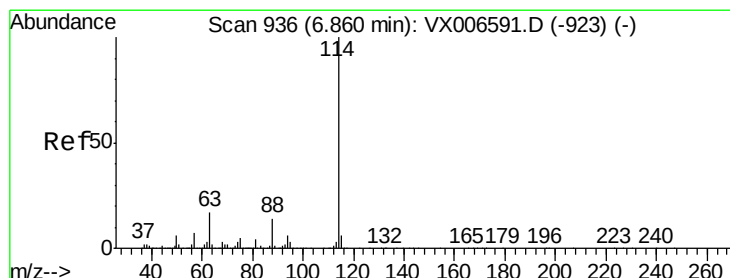
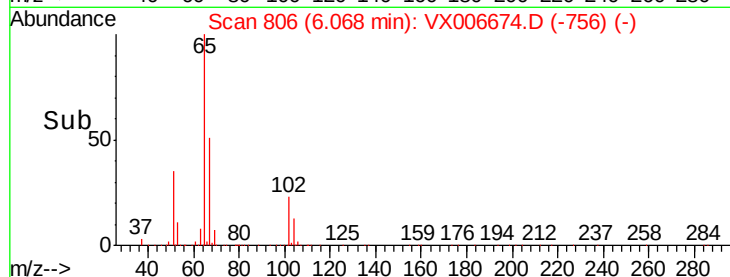
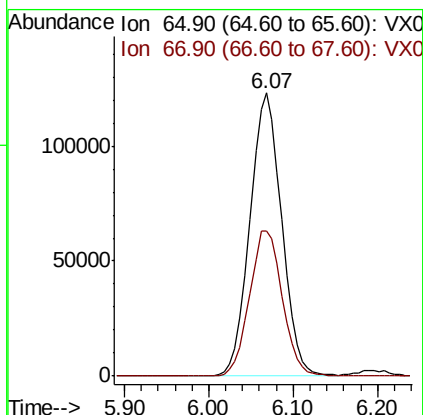
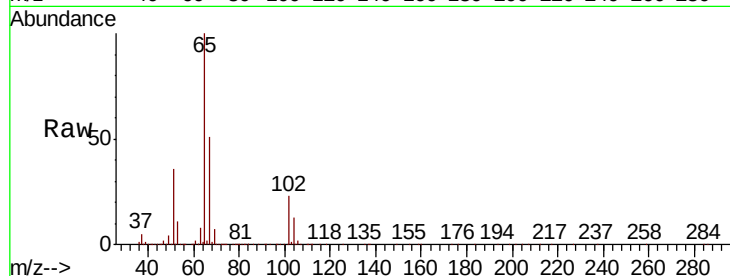




#33
 1,2-Dichloroethane-d4
 Concen: 52.643 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006674.D
 Acq: 20 Dec 2018 14:27

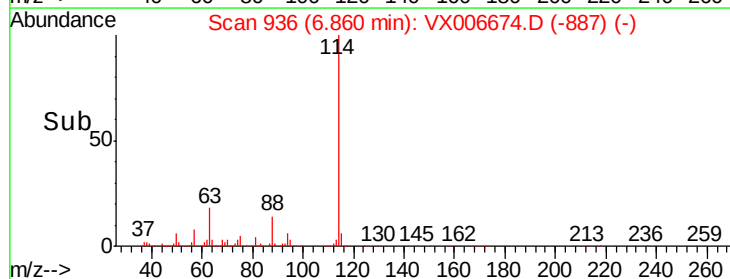
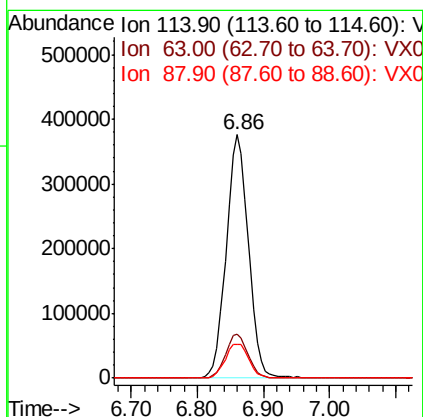
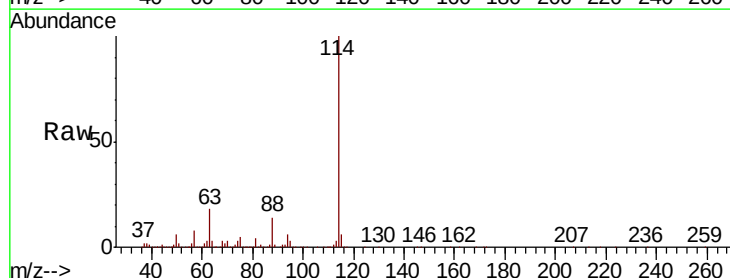
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBSD01

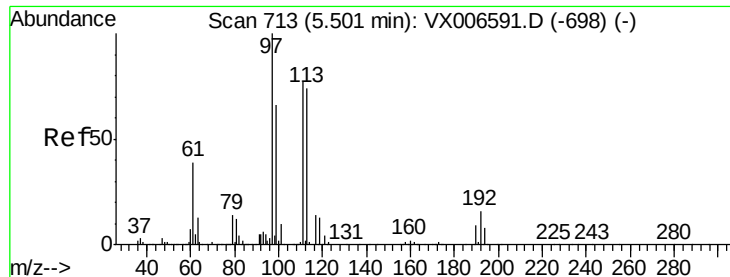
Tot Ion: 65 Resp: 315056
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006674.D
 Acq: 20 Dec 2018 14:27

Tgt Ion: 114 Resp: 870213
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 34.8
 88 13.9 0.0 28.8





#35

Dibromofluoromethane

Concen: 49.720 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

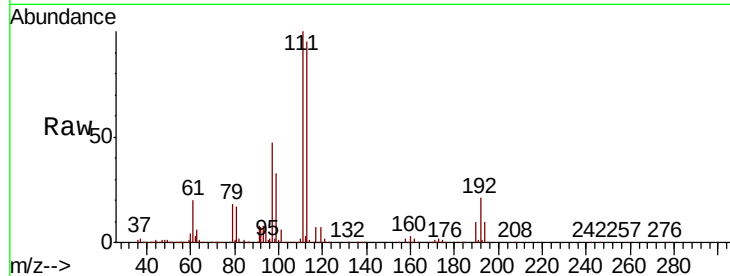
Tot Ion:113 Resp: 273615

Ion Ratio Lower Upper

113 100

111 103.0 81.6 122.4

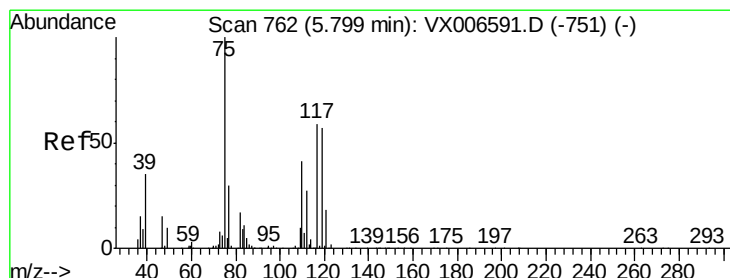
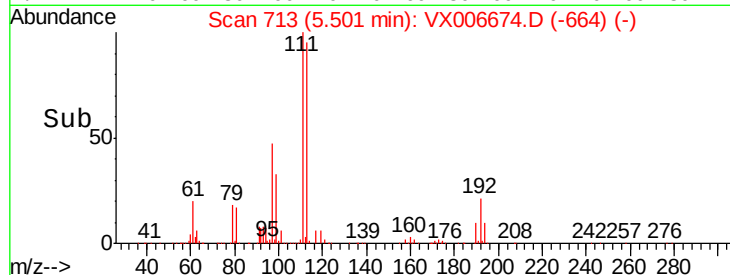
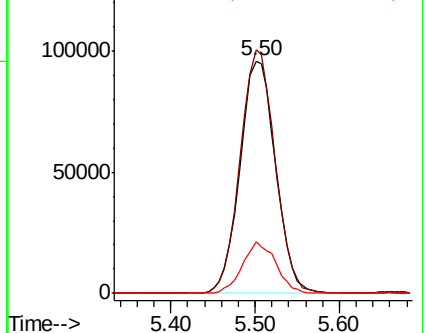
192 21.1 16.7 25.1



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: 19.306 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

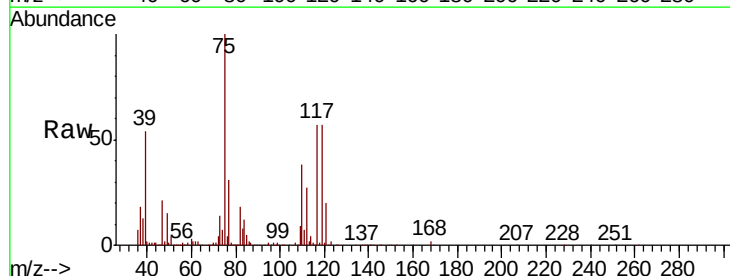
Tgt Ion: 75 Resp: 139143

Ion Ratio Lower Upper

75 100

110 40.6 20.2 60.5

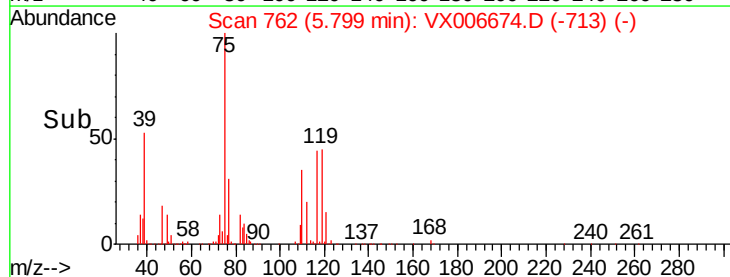
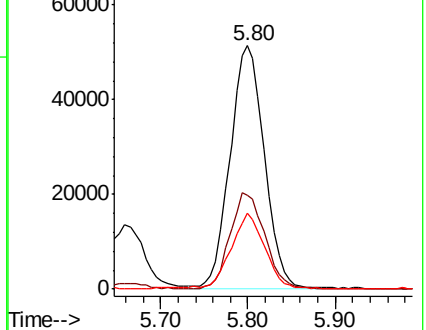
77 31.4 24.8 37.2

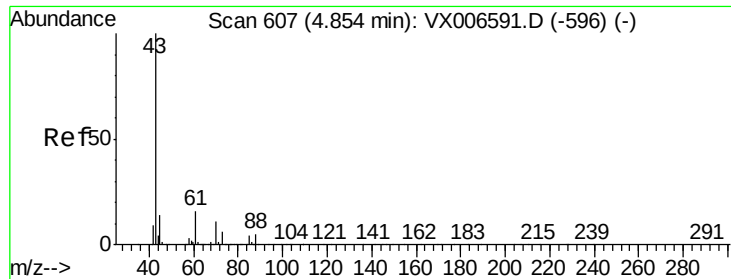


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

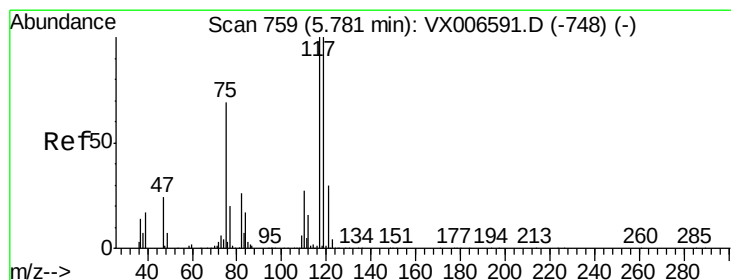
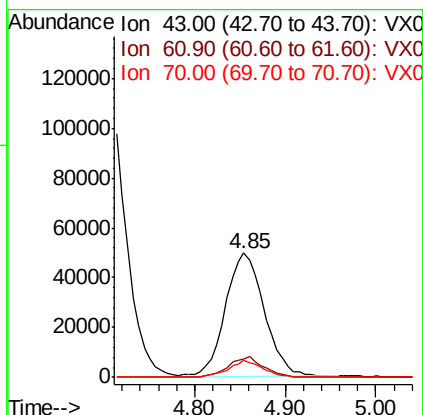
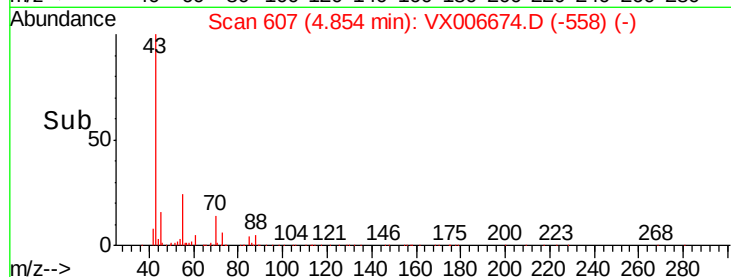
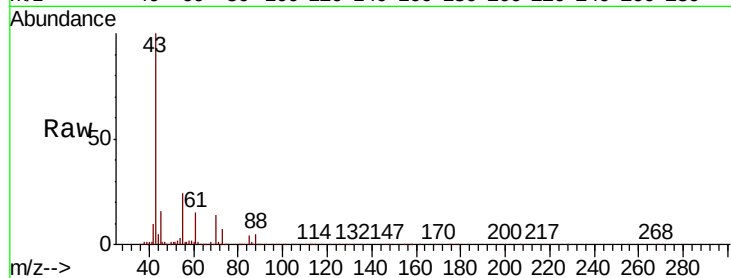




#37
Ethyl Acetate
Concen: 19.545 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

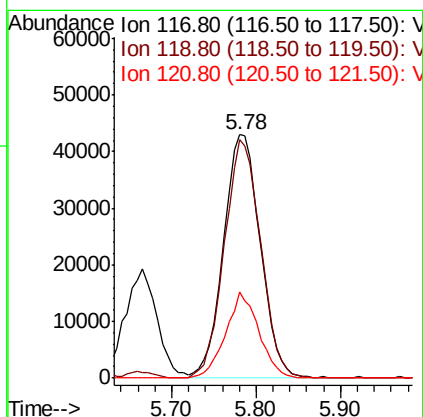
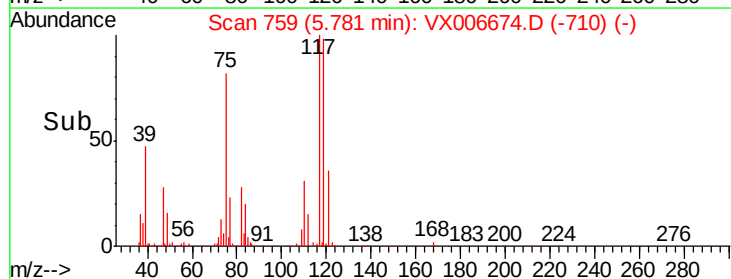
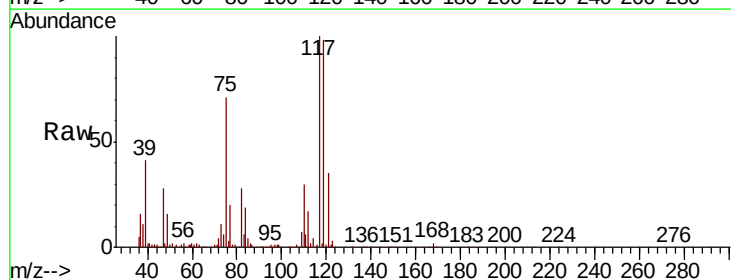
Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

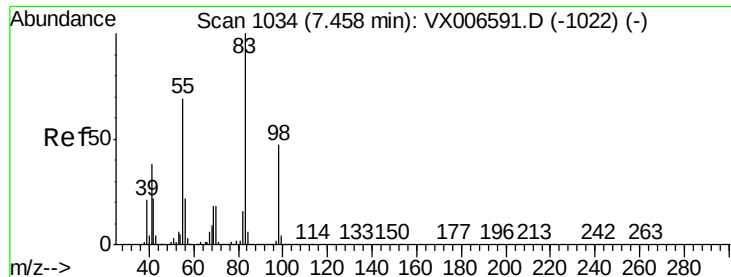
Tot Ion: 43 Resp: 146620
Ion Ratio Lower Upper
43 100
61 14.9 11.9 17.9
70 12.0 9.7 14.5



#38
Carbon Tetrachloride
Concen: 18.300 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion: 117 Resp: 128183
Ion Ratio Lower Upper
117 100
119 97.6 79.4 119.2
121 35.4 24.0 36.0

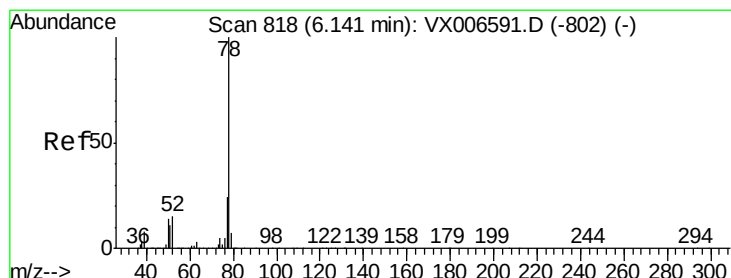
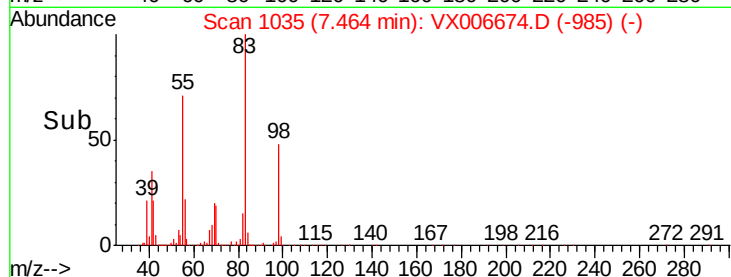
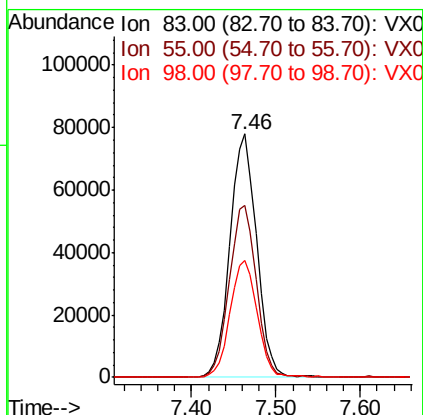
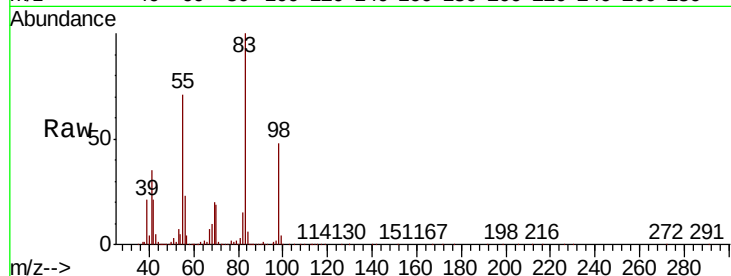




#39
Methylvlcyclohexane
Concen: 17.719 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

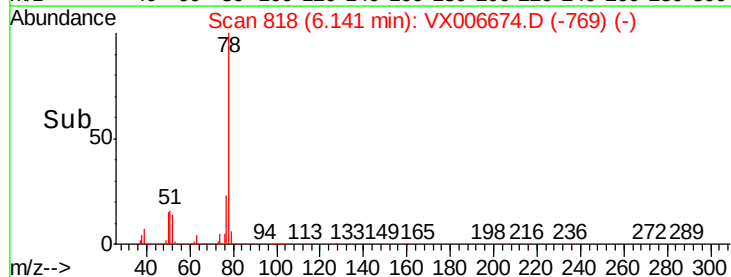
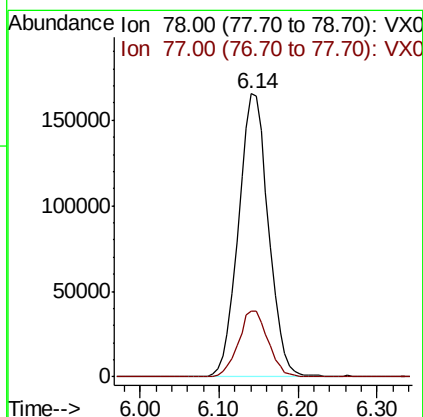
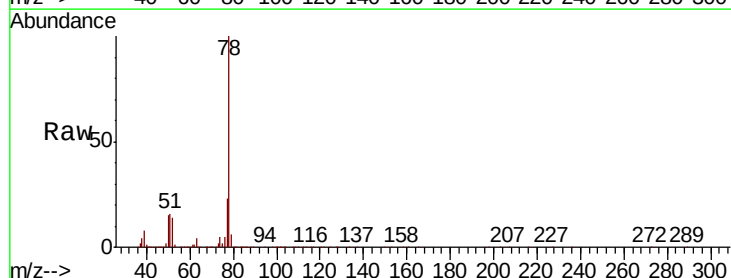
Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

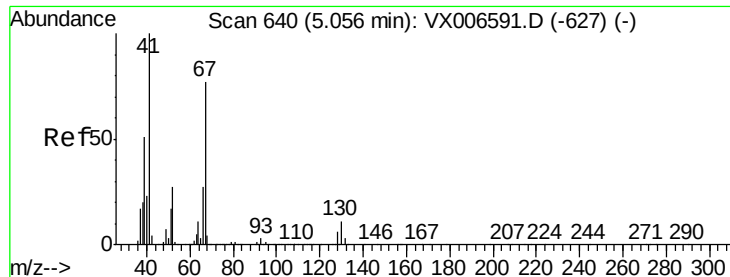
Tot Ion: 83 Resp: 168128
Ion Ratio Lower Upper
83 100
55 70.6 54.9 82.3
98 48.2 37.9 56.9



#40
Benzene
Concen: 19.976 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion: 78 Resp: 437642
Ion Ratio Lower Upper
78 100
77 23.2 19.2 28.8





#41

Methacrylonitrile

Concen: 21.202 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

Tot Ion: 41 Resp: 84443

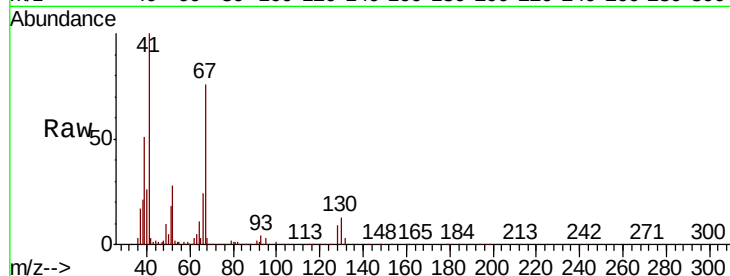
Ion Ratio Lower Upper

41 100

39 56.2 42.8 64.2

67 74.3 62.1 93.1

52 28.9 23.4 35.0

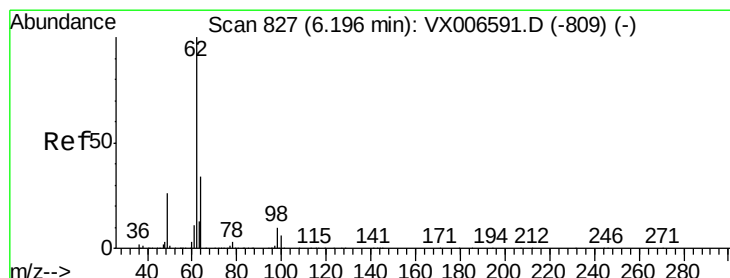
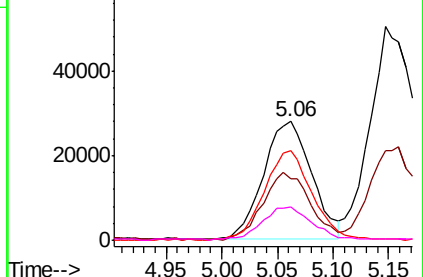
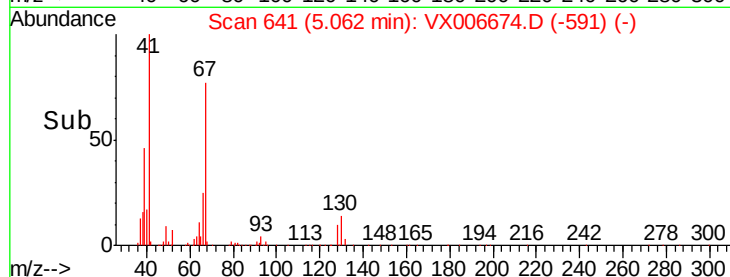


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.872 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX006674.D

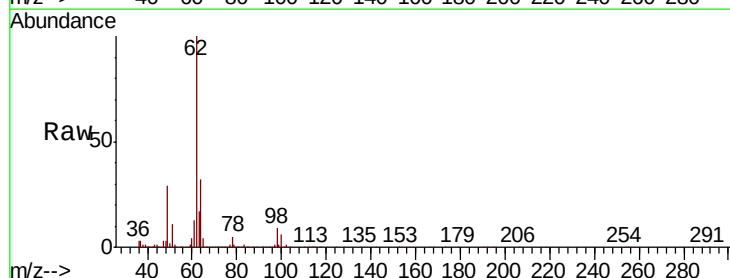
Acq: 20 Dec 2018 14:27

Tgt Ion: 62 Resp: 148349

Ion Ratio Lower Upper

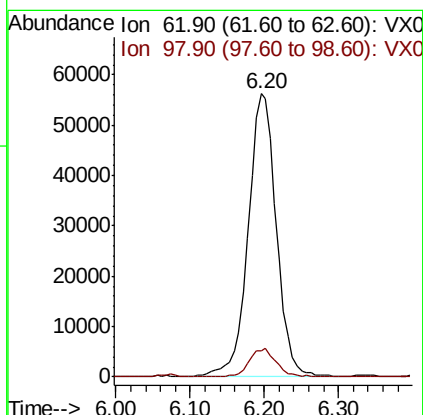
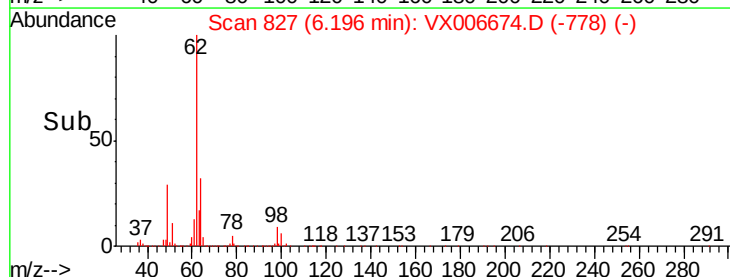
62 100

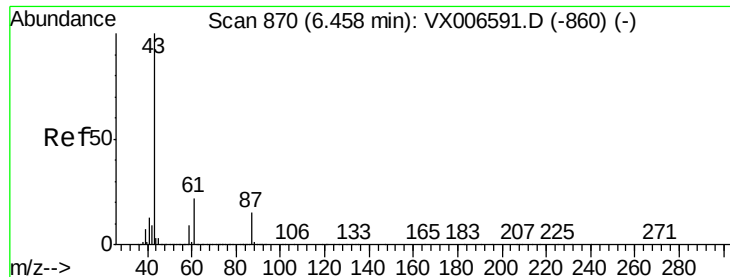
98 9.5 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.748 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

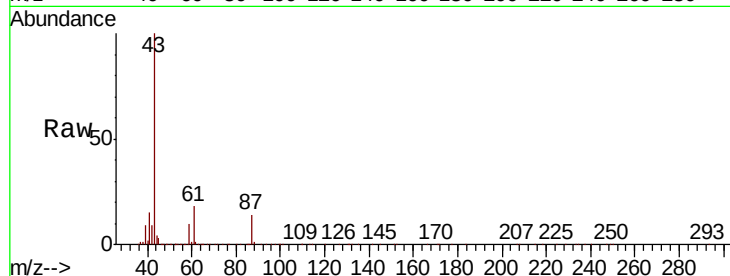
Tot Ion: 43 Resp: 225403

Ion Ratio Lower Upper

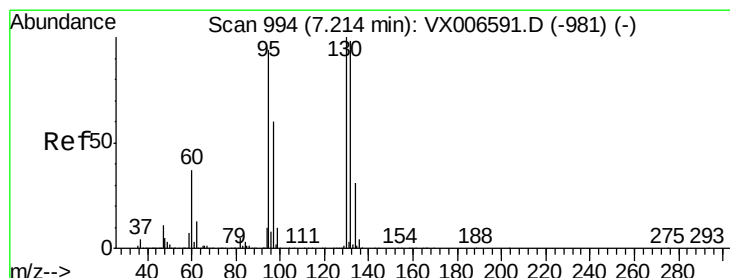
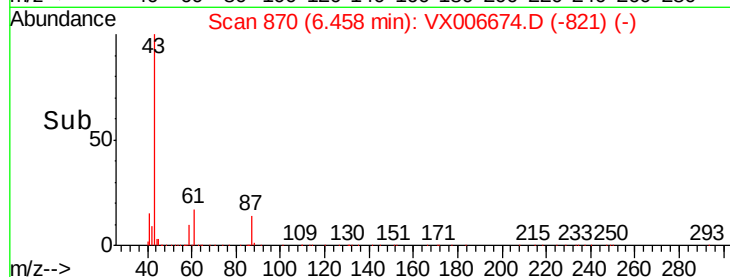
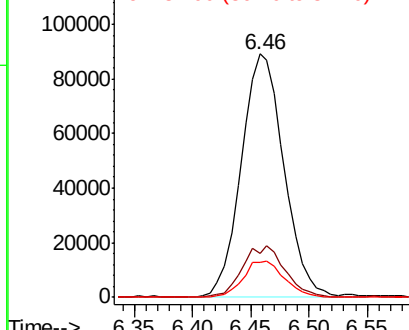
43 100

61 21.4 16.8 25.2

87 14.7 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: 18.901 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006674.D

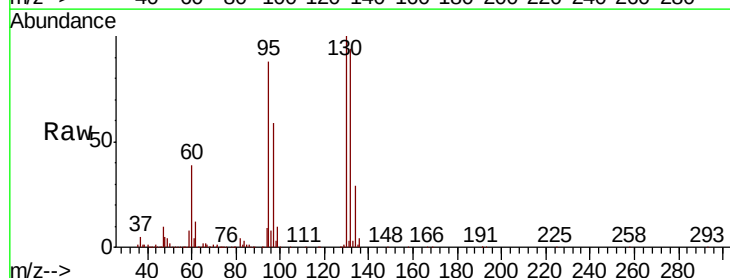
Acq: 20 Dec 2018 14:27

Tgt Ion:130 Resp: 125332

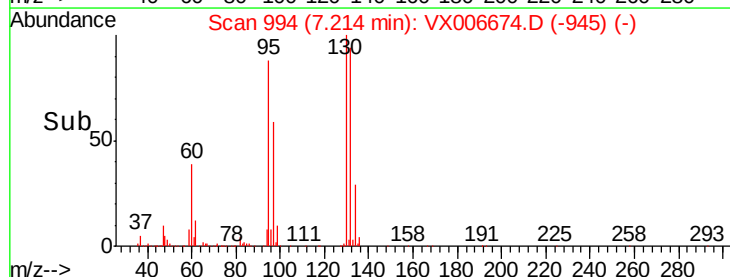
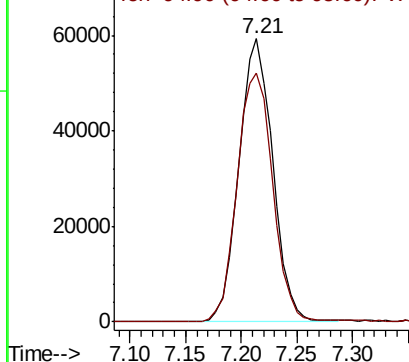
Ion Ratio Lower Upper

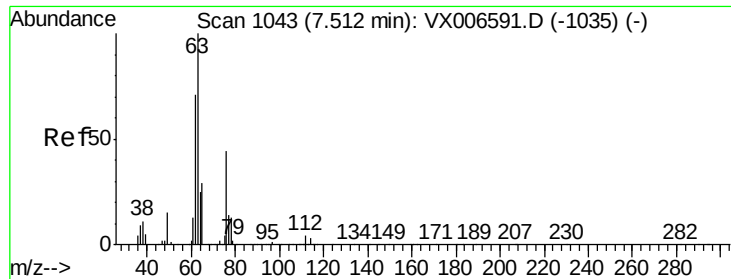
130 100

95 87.9 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: 20.005 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

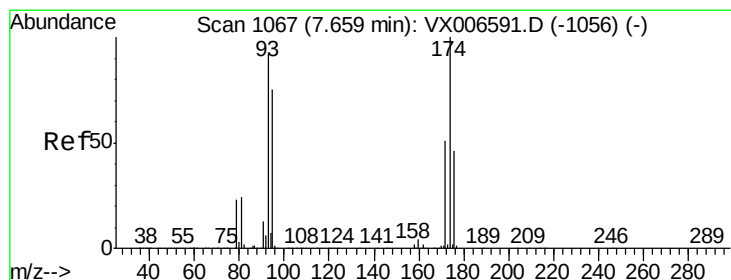
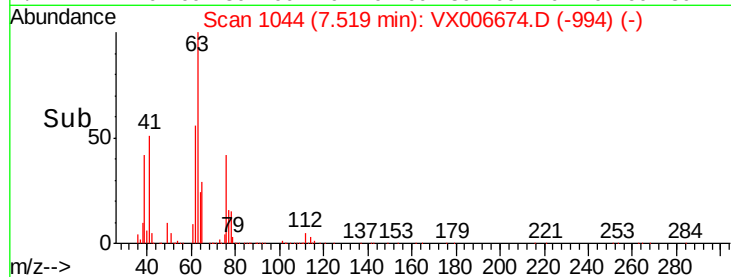
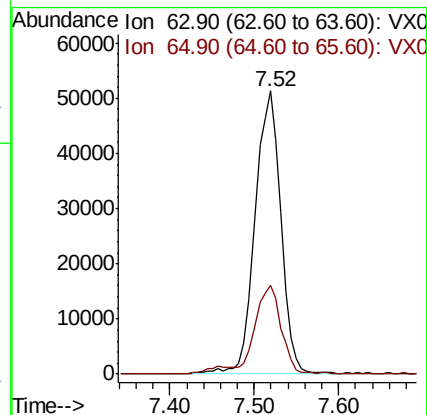
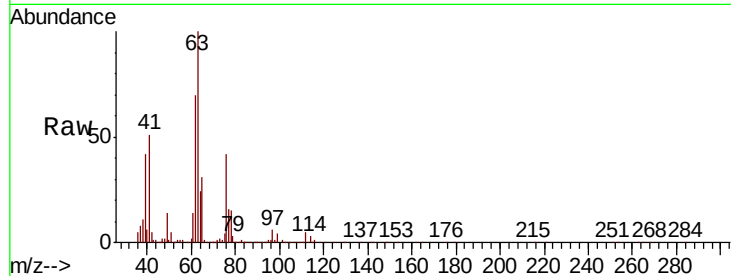
VX1220WBSD01

Tot Ion: 63 Resp: 106652

Ion Ratio Lower Upper

63 100

65 31.1 25.4 38.0



#46

Dibromomethane

Concen: 19.470 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

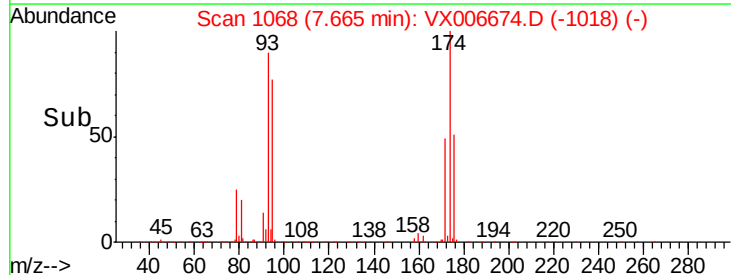
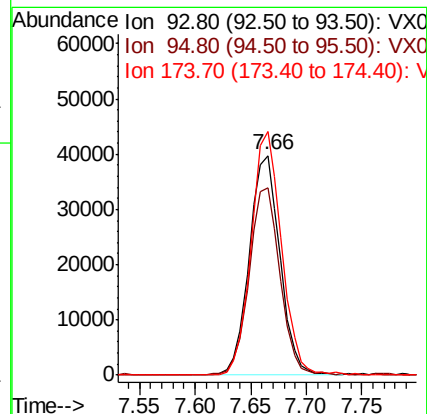
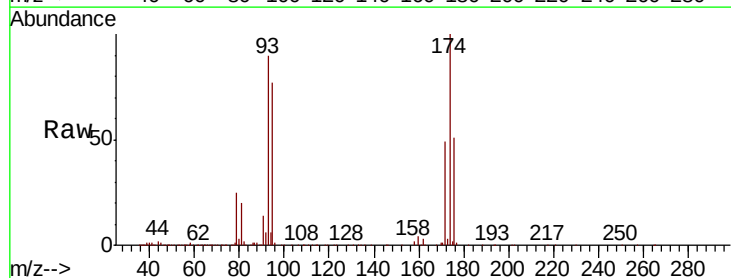
Tgt Ion: 93 Resp: 76351

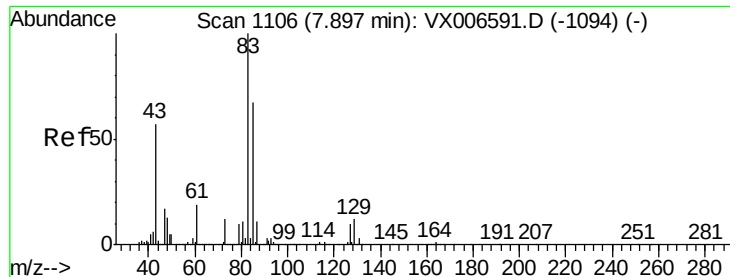
Ion Ratio Lower Upper

93 100

95 86.0 66.2 99.4

174 109.9 91.0 136.4





#47

Bromodichloromethane

Concen: 18.268 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

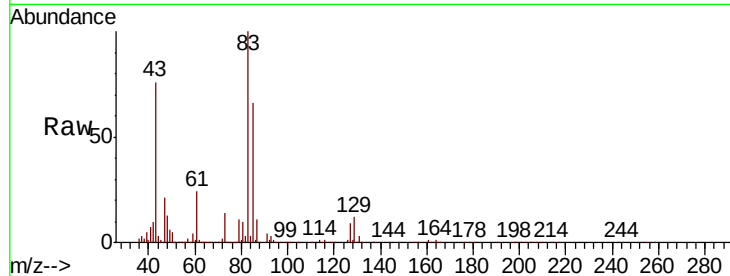
Tot Ion: 83 Resp: 118937

Ion Ratio Lower Upper

83 100

85 65.6 53.2 79.8

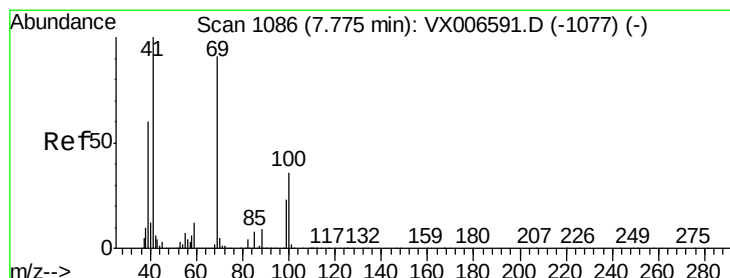
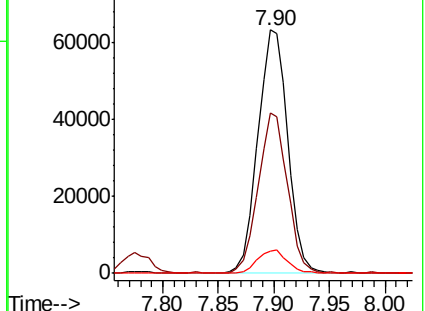
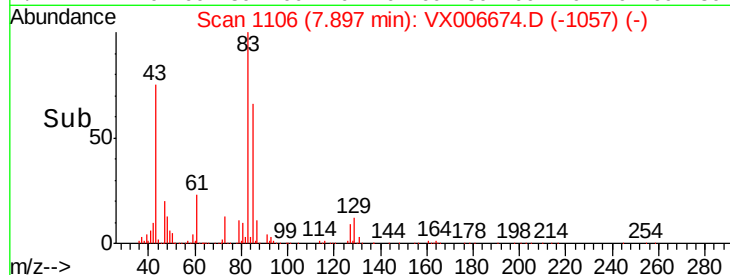
127 9.3 7.8 11.6



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: 20.877 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

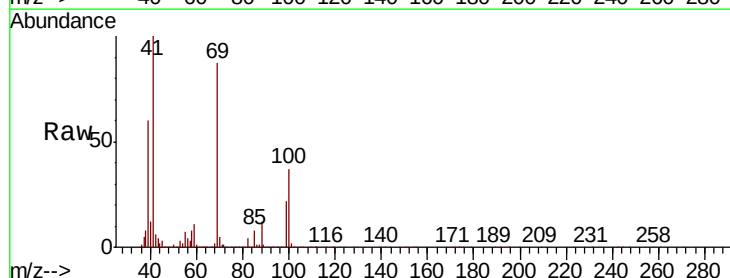
Tgt Ion: 41 Resp: 121178

Ion Ratio Lower Upper

41 100

69 88.8 72.4 108.6

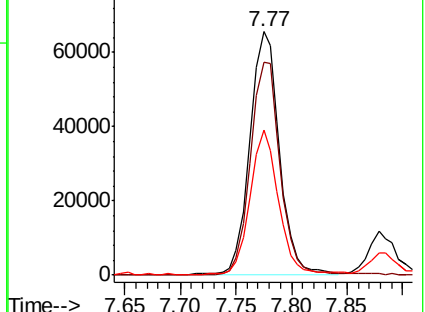
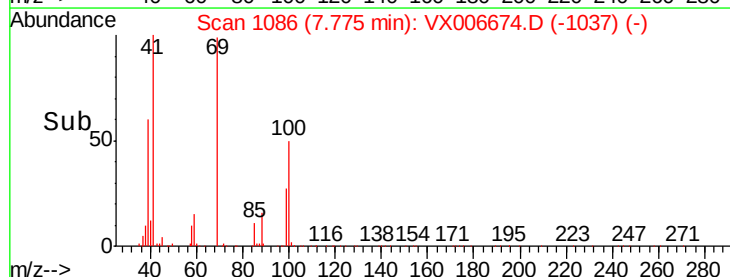
39 56.9 45.8 68.8

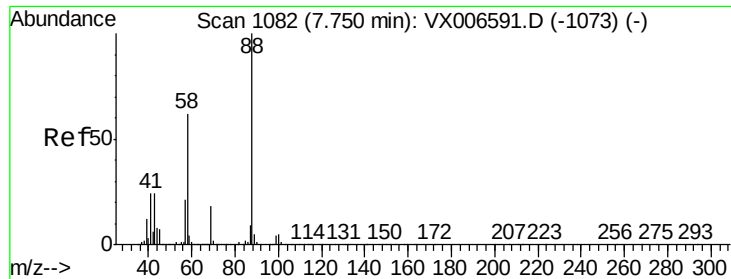


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 426.495 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

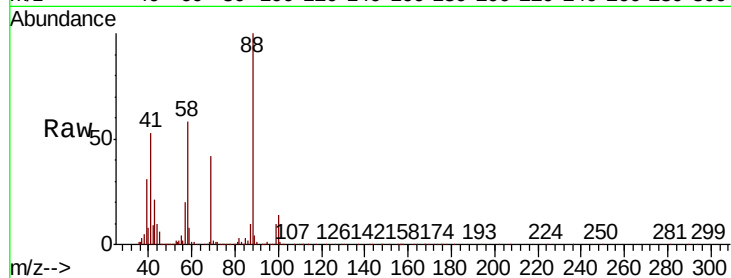
Tot Ion: 88 Resp: 66502

Ion Ratio Lower Upper

88 100

43 30.0 22.2 33.4

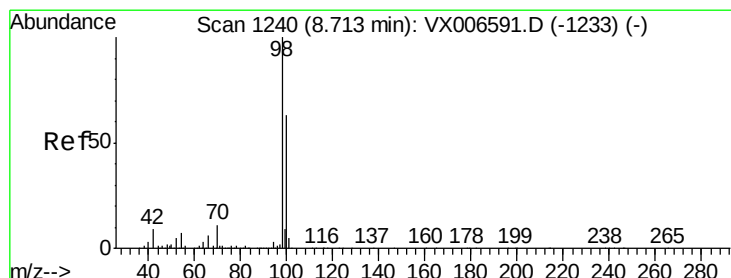
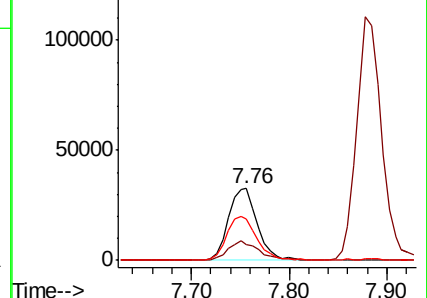
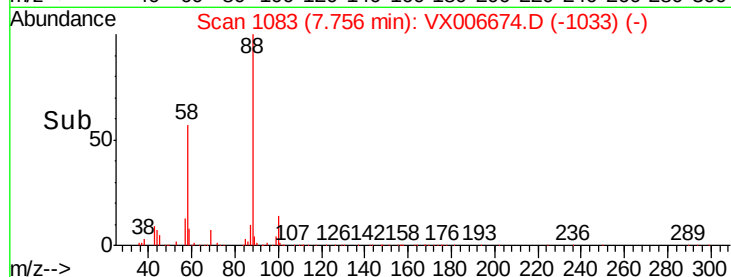
58 63.4 51.0 76.4



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



#50

Toluene-d8

Concen: 51.155 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006674.D

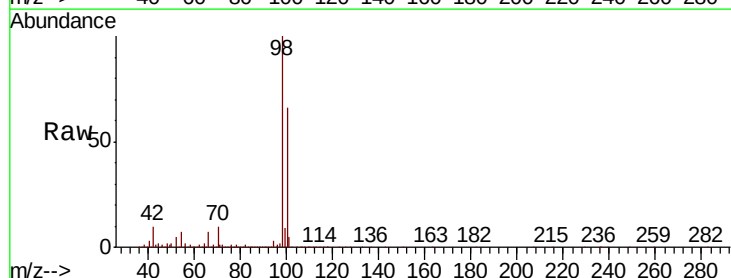
Acq: 20 Dec 2018 14:27

Tgt Ion: 98 Resp: 1061306

Ion Ratio Lower Upper

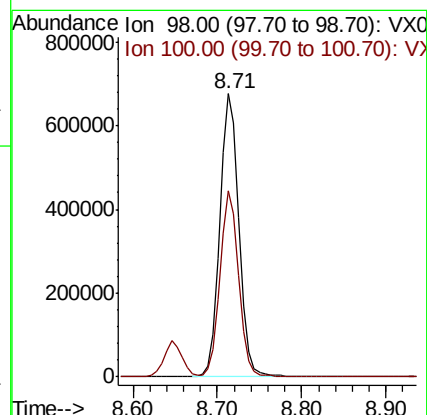
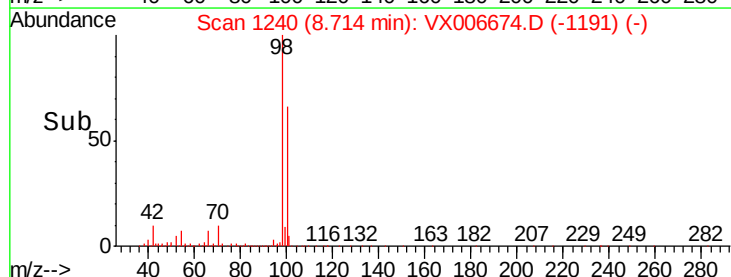
98 100

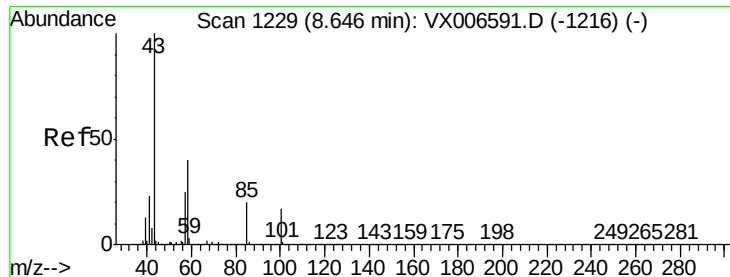
100 64.8 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 107.416 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

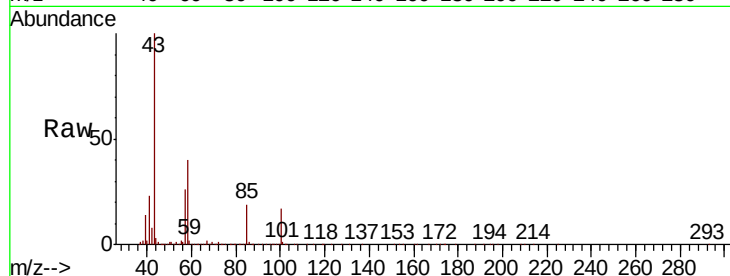
VX1220WBSD01

Tot Ion: 43 Resp: 780097

Ion Ratio Lower Upper

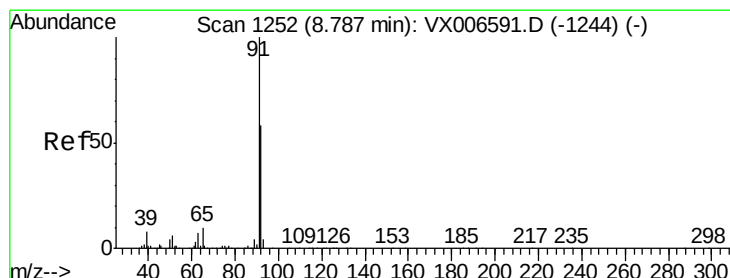
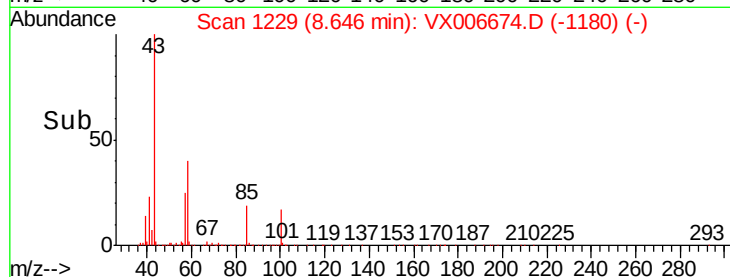
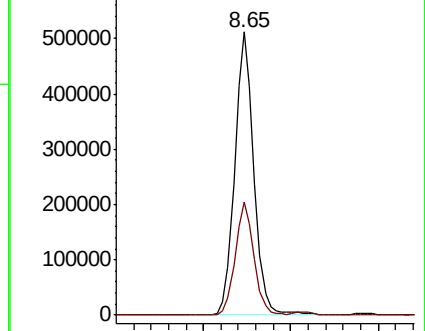
43 100

58 39.1 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.071 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006674.D

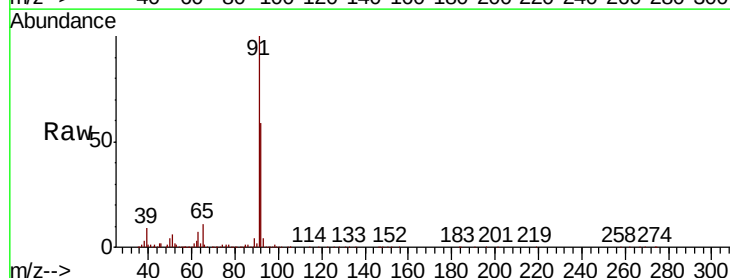
Acq: 20 Dec 2018 14:27

Tgt Ion: 92 Resp: 284074

Ion Ratio Lower Upper

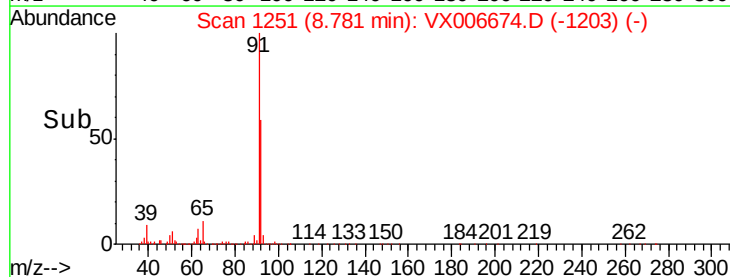
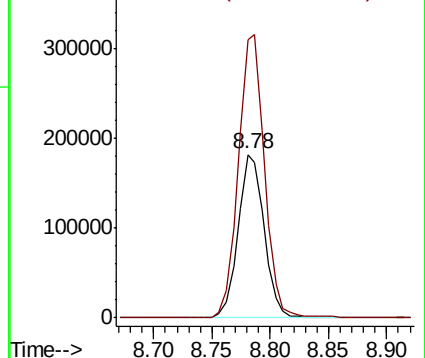
92 100

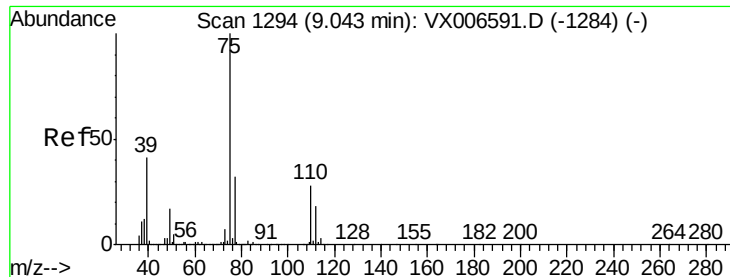
91 174.8 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 17.458 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

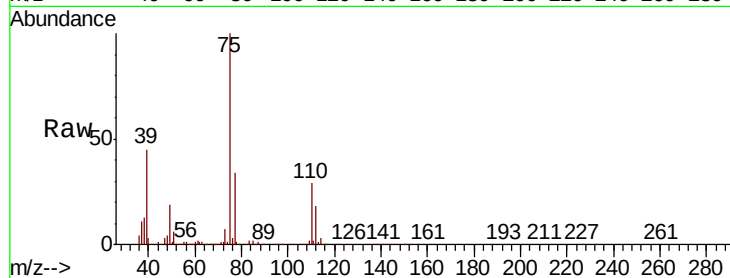
VX1220WBSD01

Tot Ion: 75 Resp: 121902

Ion Ratio Lower Upper

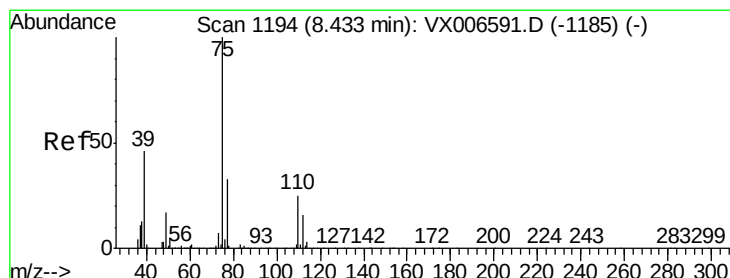
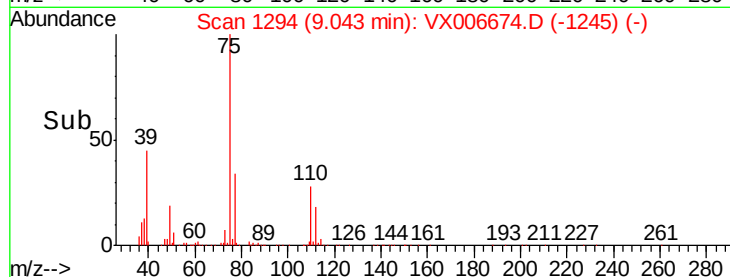
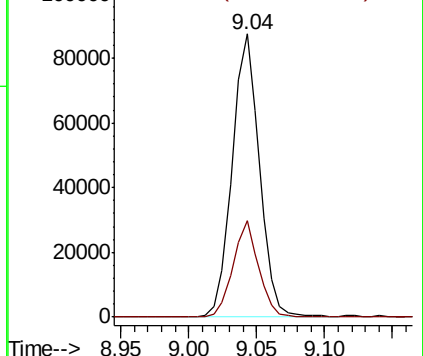
75 100

77 34.1 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 18.854 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

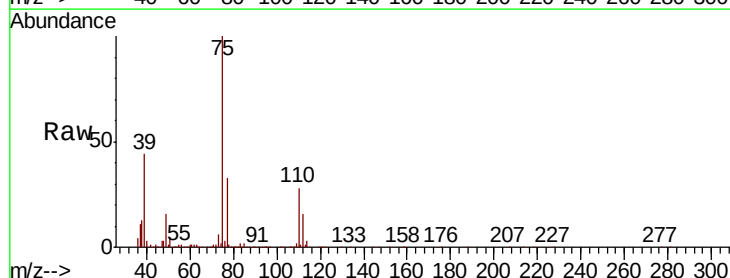
Tgt Ion: 75 Resp: 144451

Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.2

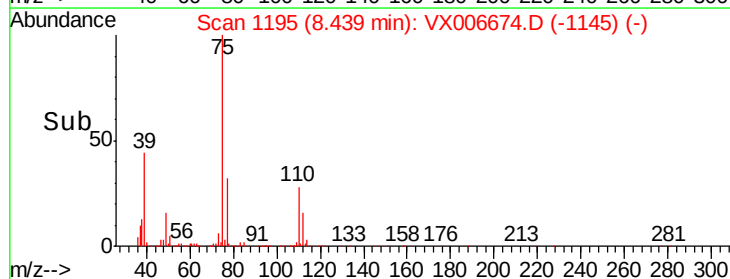
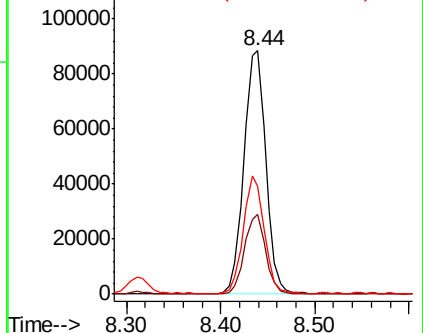
39 43.8 36.7 55.1

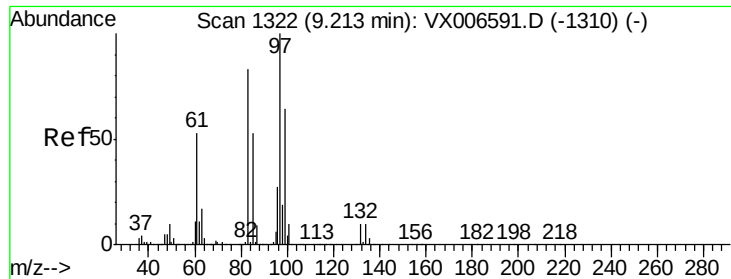


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

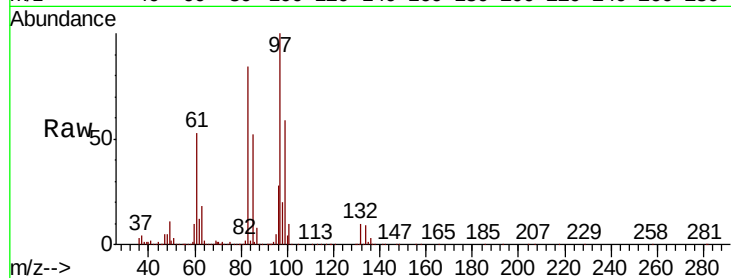




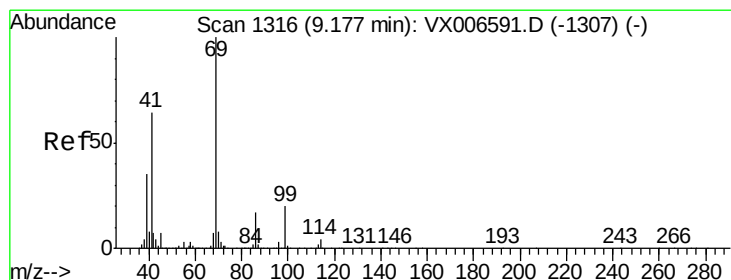
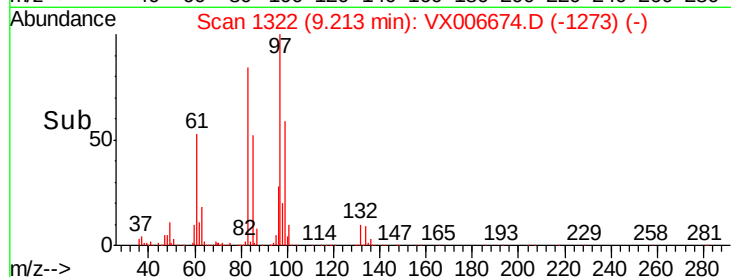
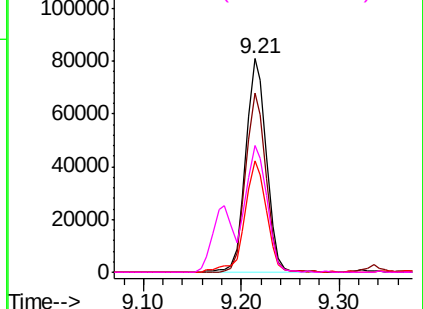
#55
 1,1,2-Trichloroethane
 Concen: 20.515 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX006674.D
 Acq: 20 Dec 2018 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBSD01

Tot Ion:	97	Resp:	118850
Ion	Ratio	Lower	Upper
97	100		
83	83.9	66.6	99.8
85	52.3	42.7	64.1
99	59.3	50.8	76.2

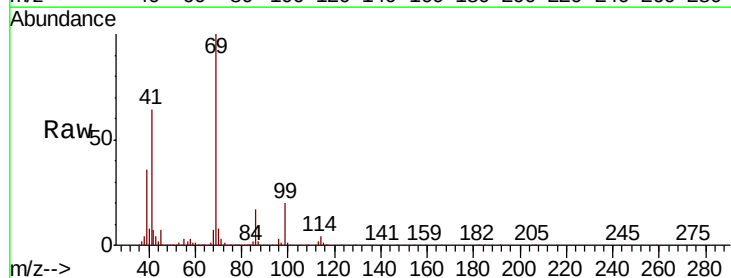


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

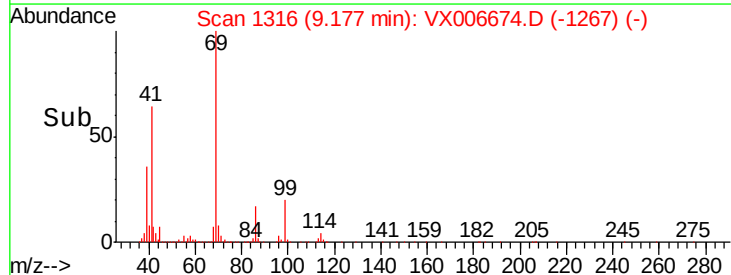
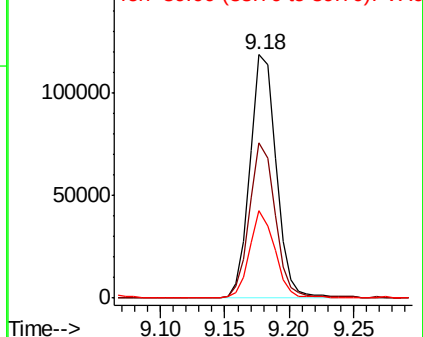


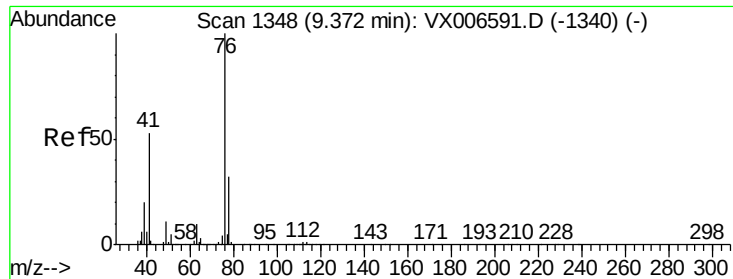
#56
 Ethyl methacrylate
 Concen: 20.273 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX006674.D
 Acq: 20 Dec 2018 14:27

Tgt Ion:	69	Resp:	166000
Ion	Ratio	Lower	Upper
69	100		
41	63.4	48.7	73.1
39	34.3	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: 20.302 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

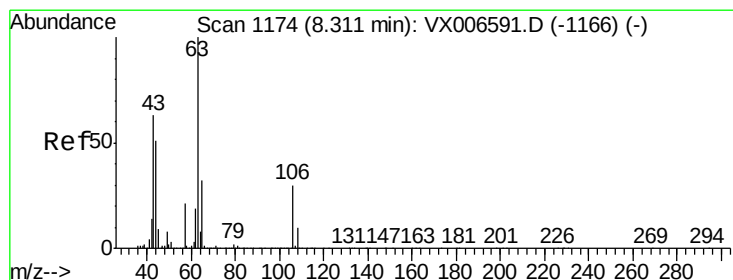
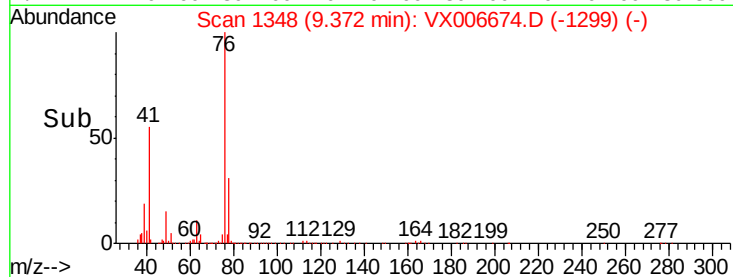
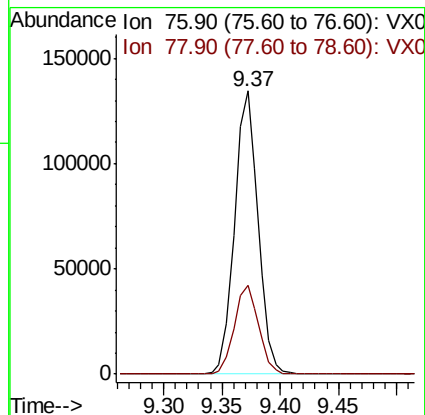
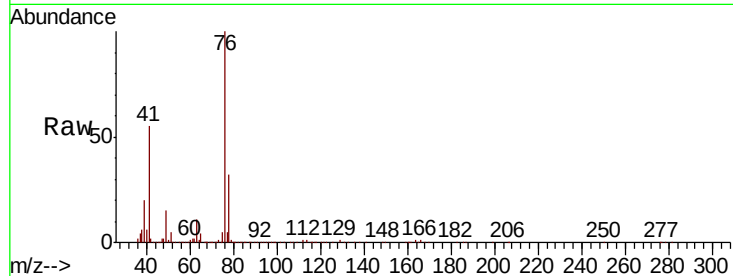
VX1220WBSD01

Tot Ion: 76 Resp: 189228

Ion Ratio Lower Upper

76 100

78 32.7 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 103.650 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006674.D

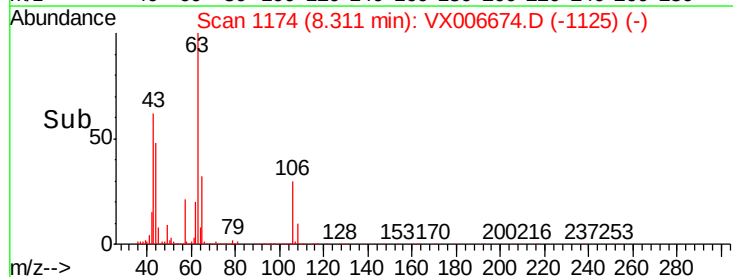
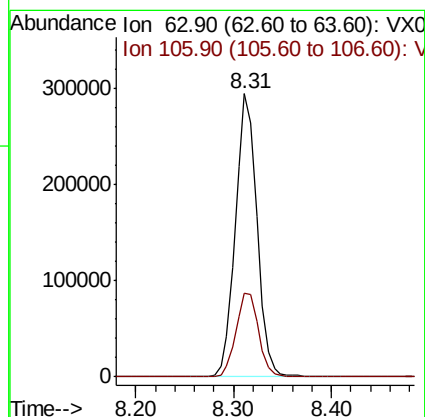
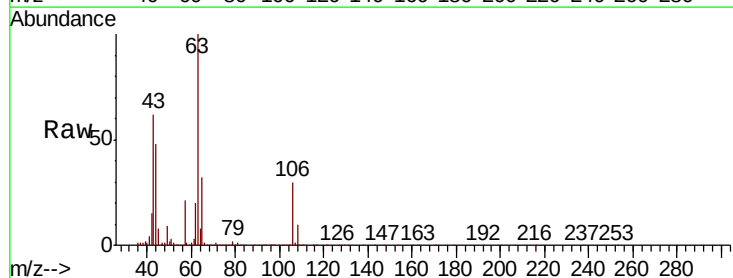
Acq: 20 Dec 2018 14:27

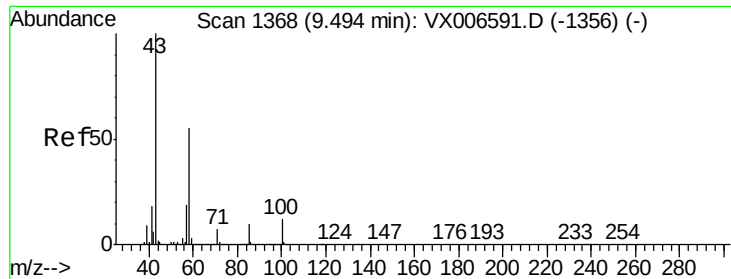
Tgt Ion: 63 Resp: 451135

Ion Ratio Lower Upper

63 100

106 31.1 24.6 36.8

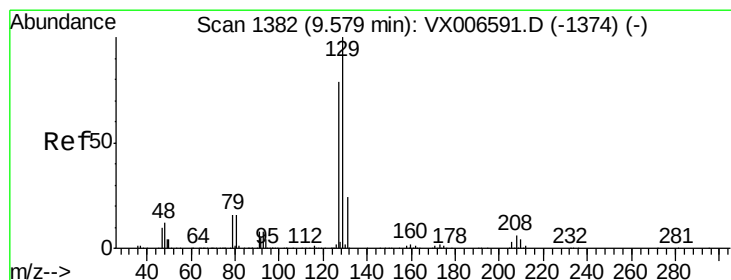
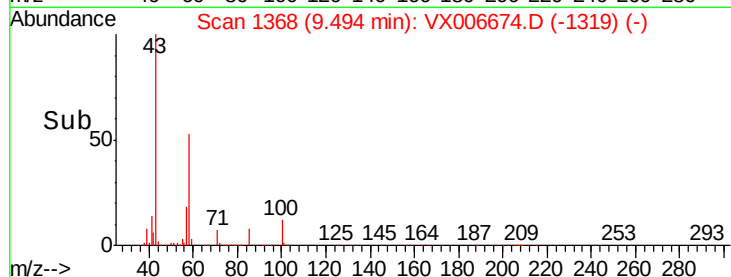
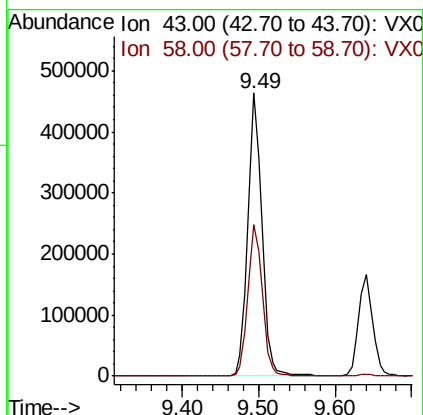
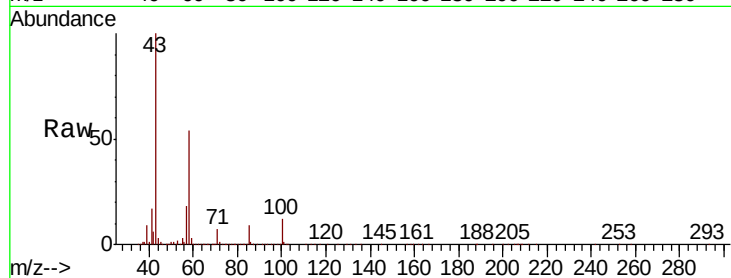




#59
2-Hexanone
Concen: 107.791 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

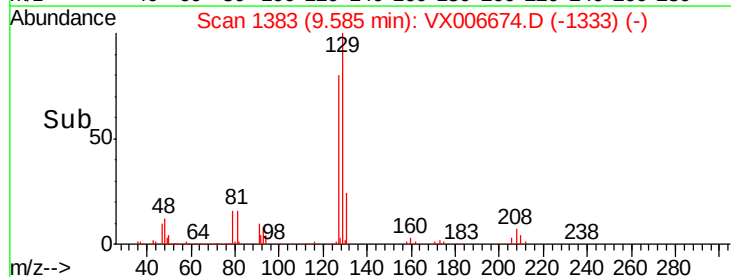
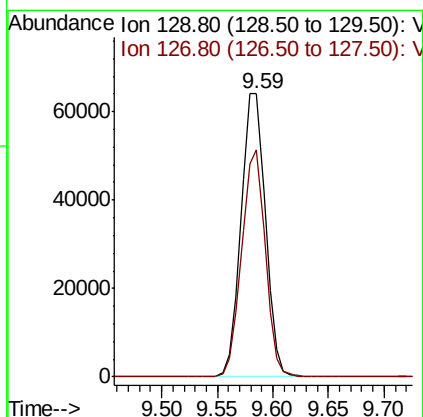
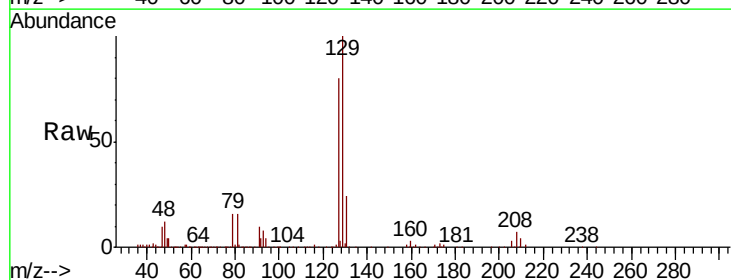
Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

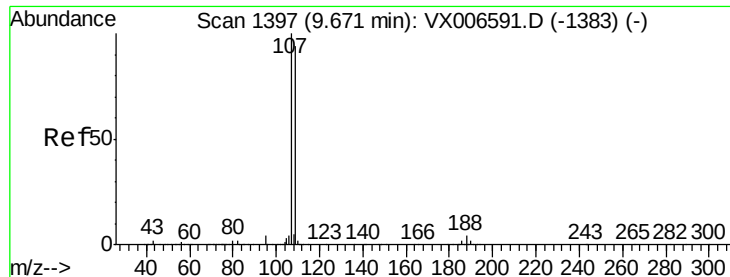
Tot Ion: 43 Resp: 598949
Ion Ratio Lower Upper
43 100
58 54.5 27.7 83.1



#60
Dibromochloromethane
Concen: 17.696 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion:129 Resp: 97683
Ion Ratio Lower Upper
129 100
127 77.6 39.3 117.8





#61

1,2-Dibromoethane

Concen: 20.343 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

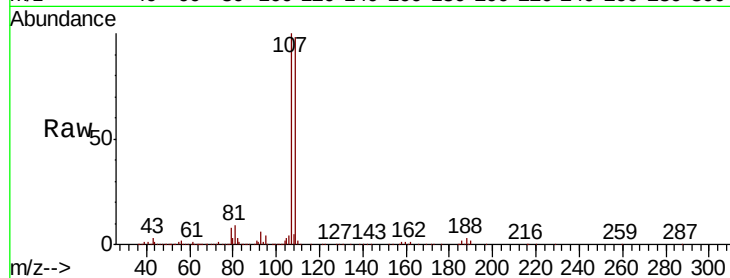
VX1220WBSD01

Tot Ion:107 Resp: 125283

Ion Ratio Lower Upper

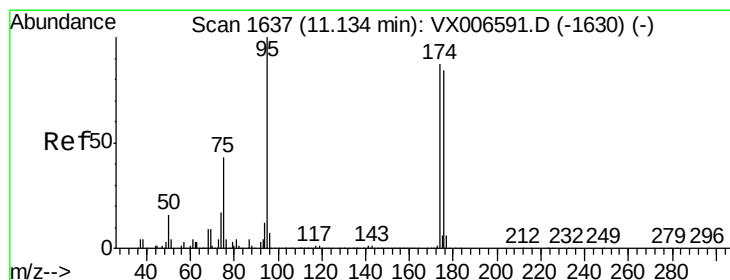
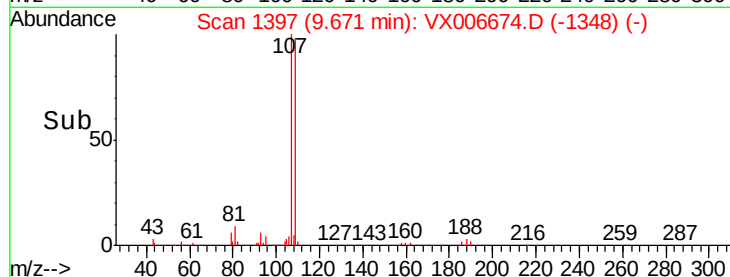
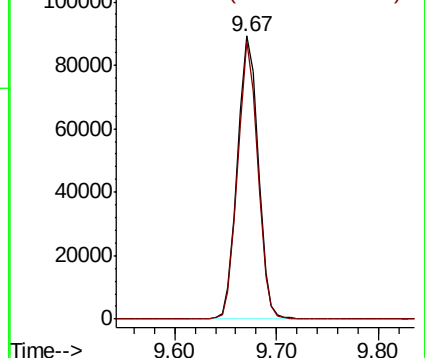
107 100

109 94.2 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: 52.413 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

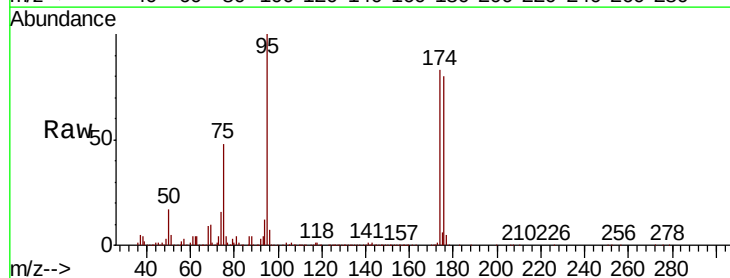
Tgt Ion: 95 Resp: 398249

Ion Ratio Lower Upper

95 100

174 89.2 0.0 182.2

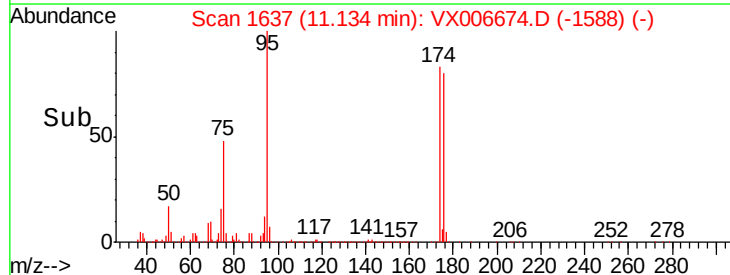
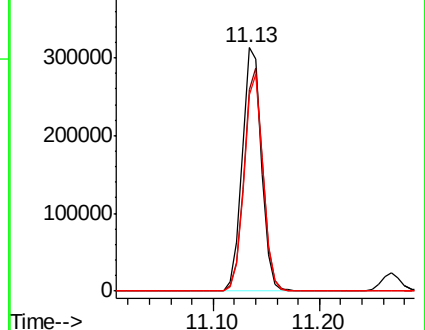
176 86.8 0.0 178.8

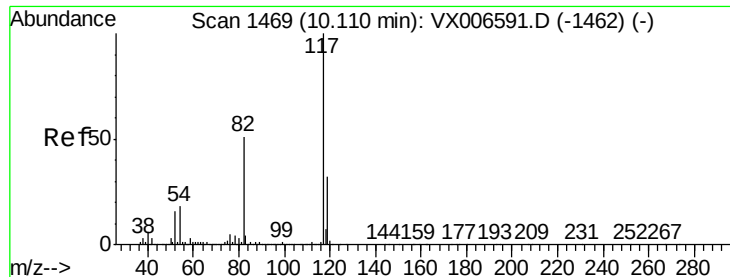


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

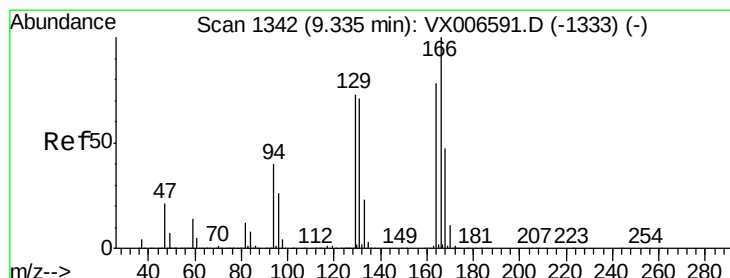
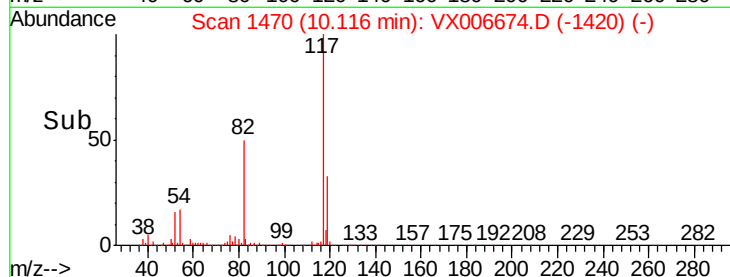
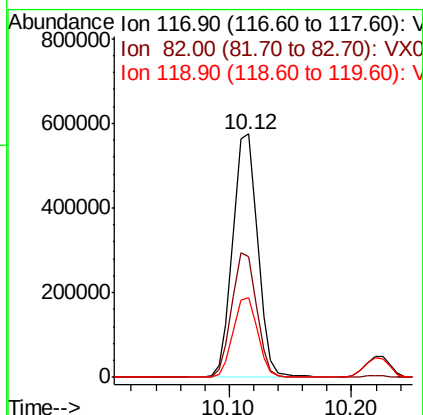
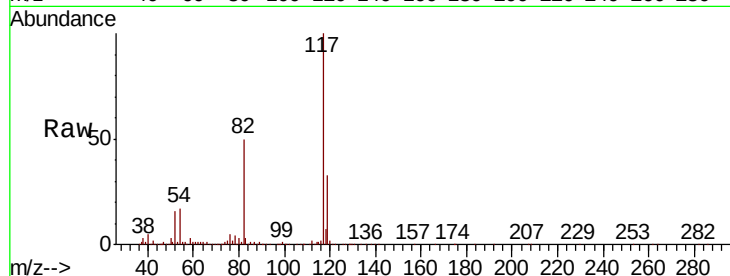




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

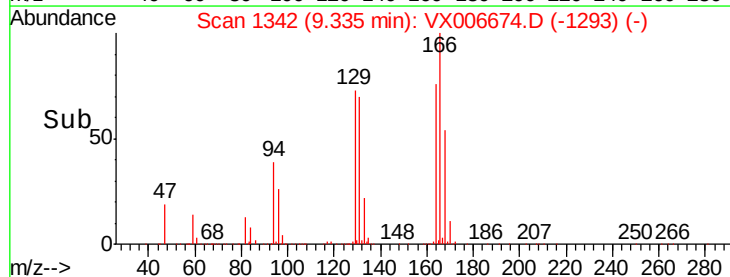
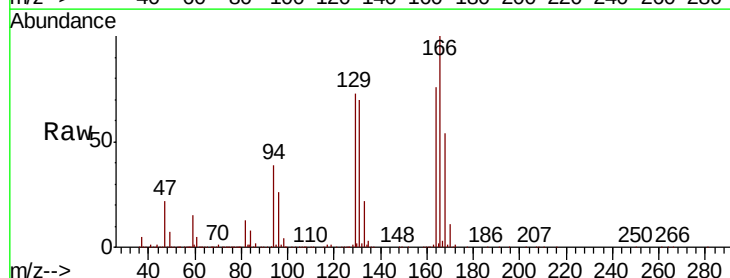
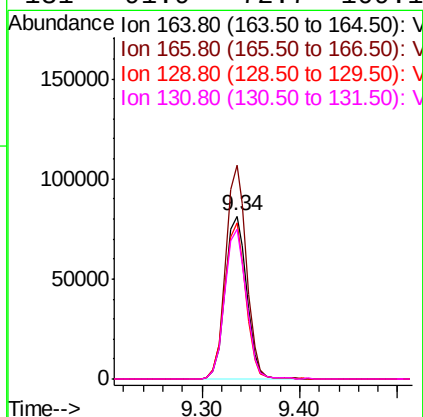
Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

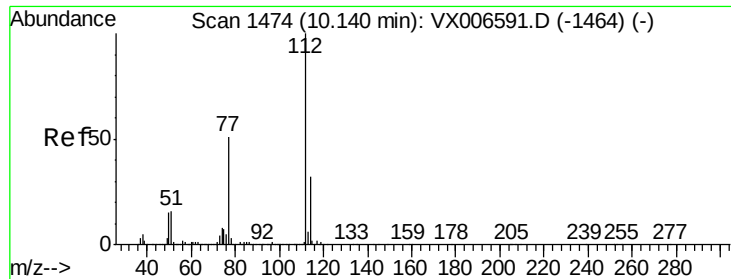
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.7	41.0	61.6
119	32.6	25.4	38.0



#64
Tetrachloroethene
Concen: 19.458 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	102.5	153.7
129	96.2	75.1	112.7
131	91.9	72.7	109.1

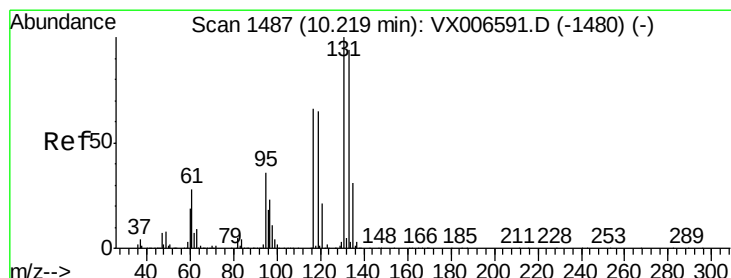
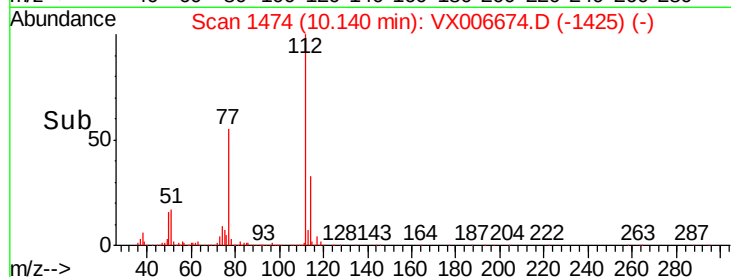
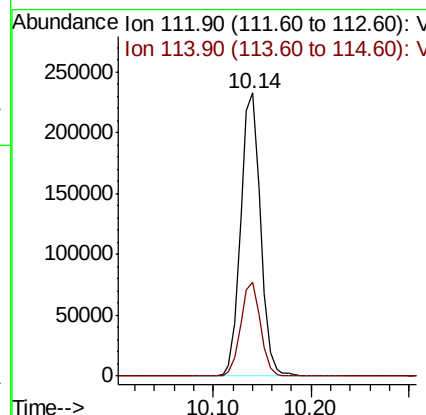
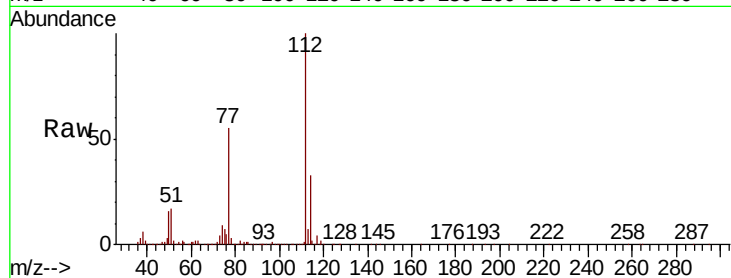




#65
Chlorobenzene
Concen: 19.111 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

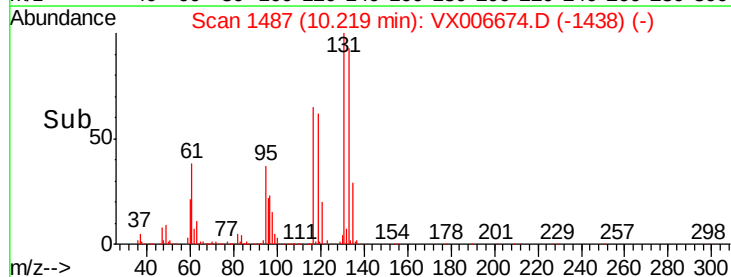
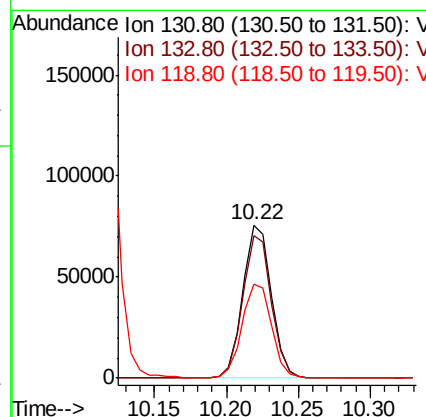
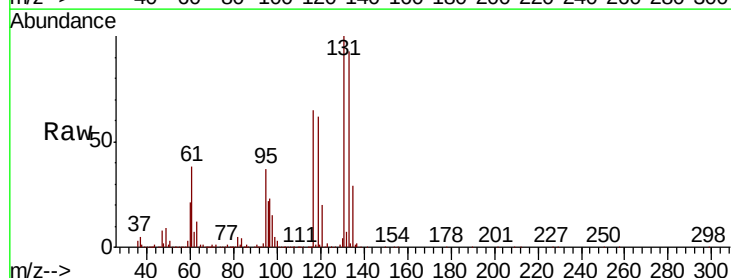
Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

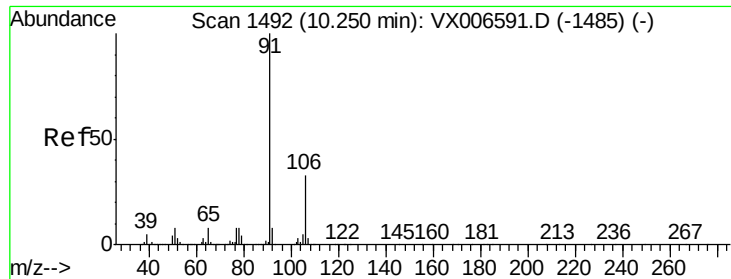
Tot Ion:112 Resp: 326894
Ion Ratio Lower Upper
112 100
114 33.4 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.586 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion:131 Resp: 104525
Ion Ratio Lower Upper
131 100
133 93.4 48.0 144.2
119 64.2 32.6 97.8





#67

Ethyl Benzene

Concen: 19.688 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

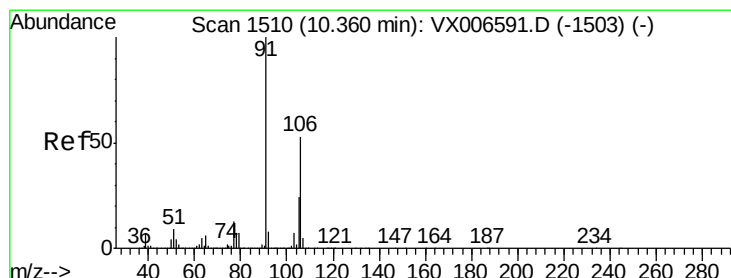
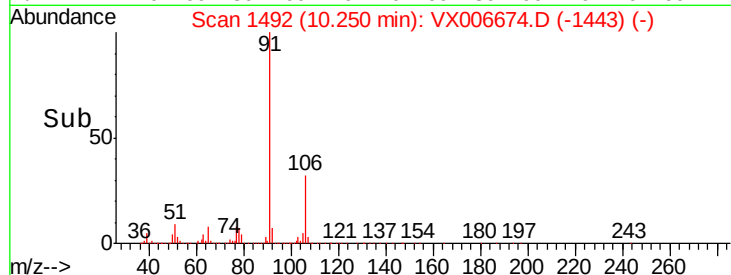
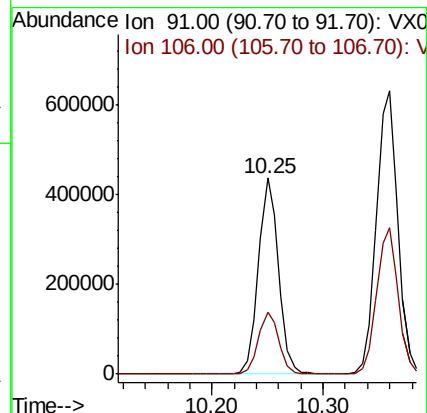
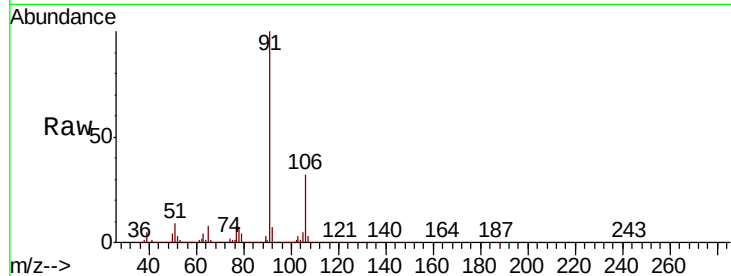
VX1220WBSD01

Tot Ion: 91 Resp: 550290

Ion Ratio Lower Upper

91 100

106 31.8 26.4 39.6



#68

m/p-Xylenes

Concen: 39.866 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006674.D

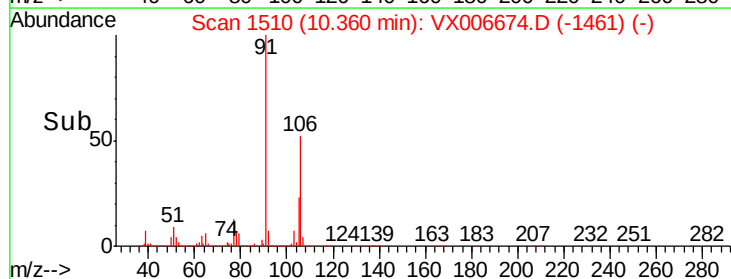
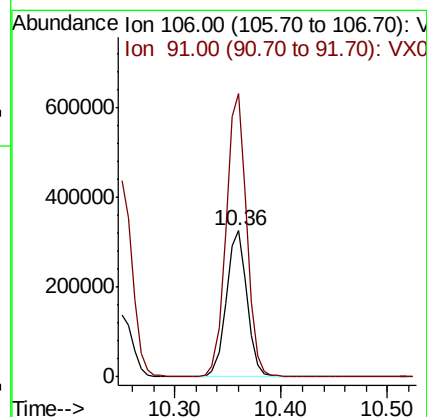
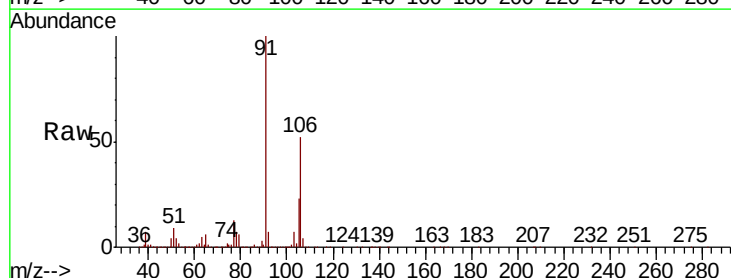
Acq: 20 Dec 2018 14:27

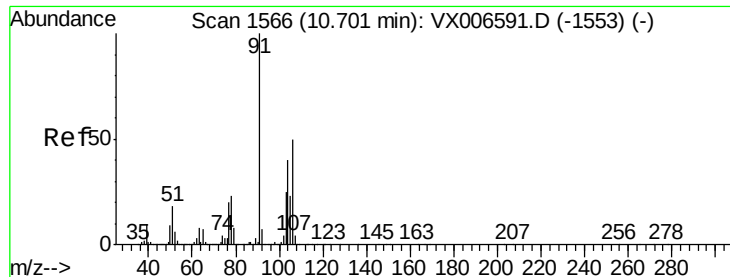
Tgt Ion: 106 Resp: 439699

Ion Ratio Lower Upper

106 100

91 193.1 155.8 233.6

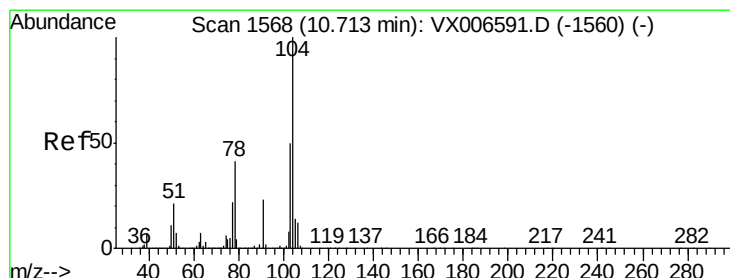
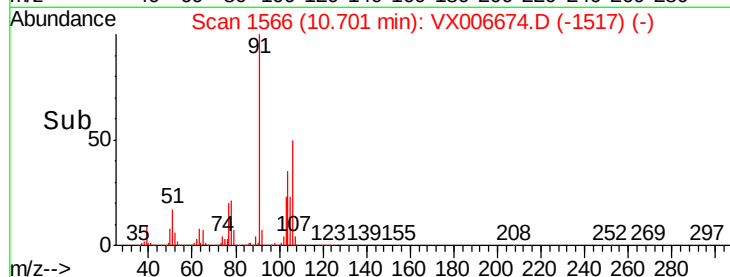
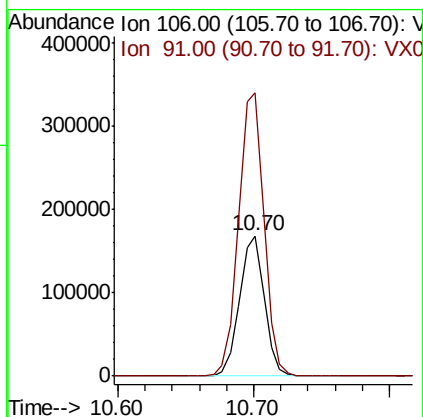
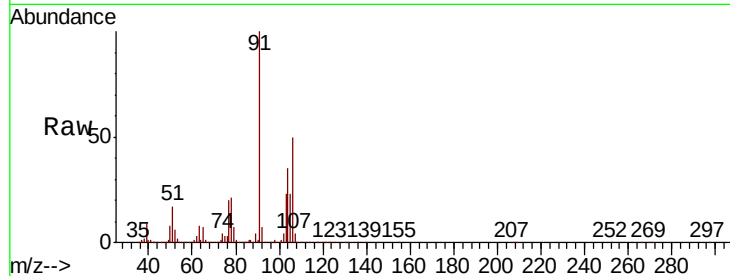




#69
o-Xylene
Concen: 19.670 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

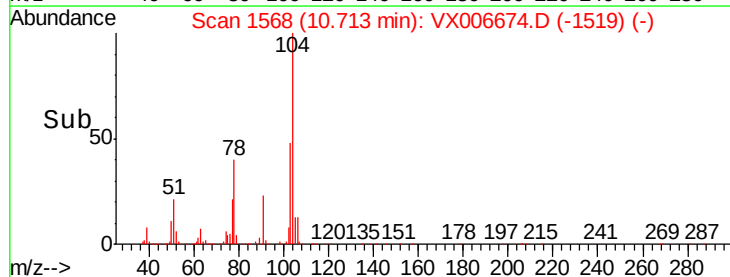
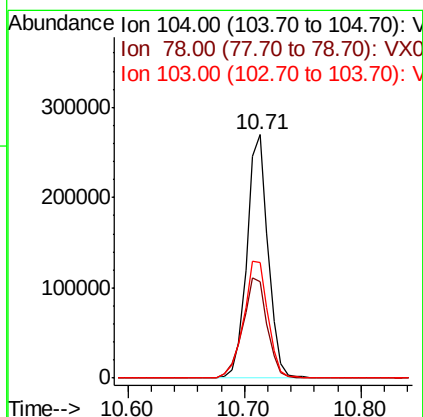
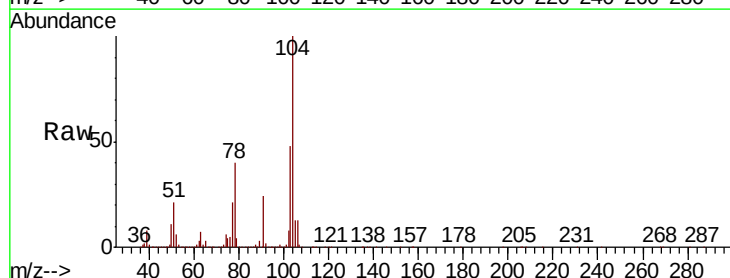
Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

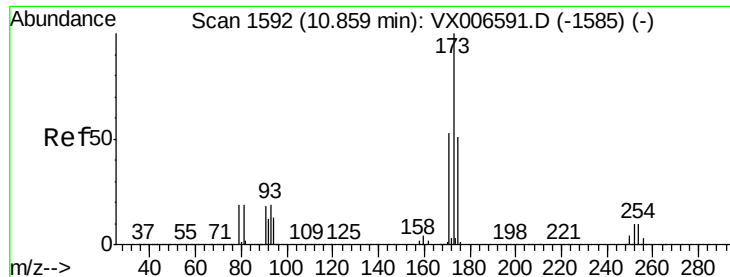
Tot Ion:106 Resp: 214234
Ion Ratio Lower Upper
106 100
91 206.6 101.3 303.7



#70
Styrene
Concen: 19.886 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion:104 Resp: 342647
Ion Ratio Lower Upper
104 100
78 47.7 37.7 56.5
103 55.1 43.8 65.8





#71

Bromoform

Concen: 17.485 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

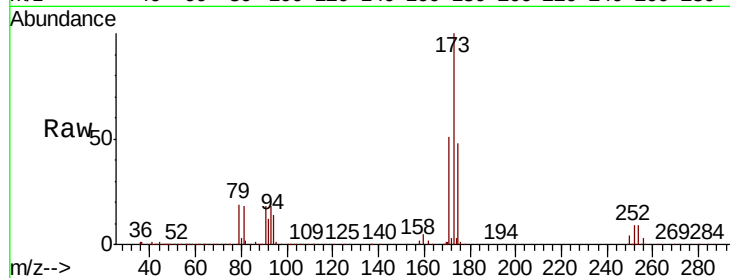
Tot Ion:173 Resp: 68842

Ion Ratio Lower Upper

173 100

175 48.7 24.7 74.1

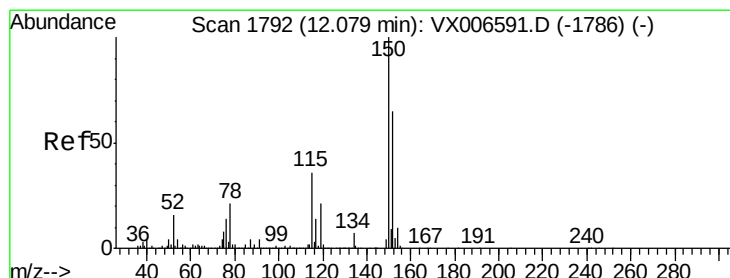
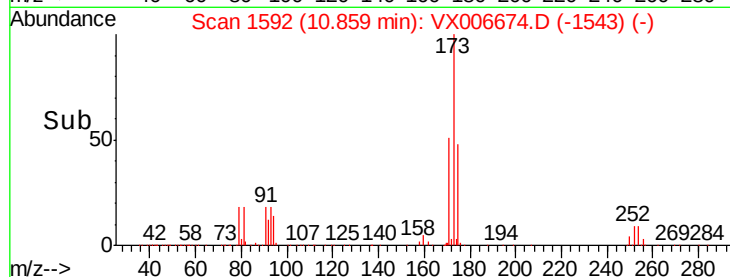
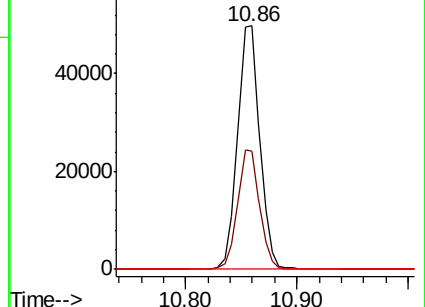
254 0.2 0.2 0.2#



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: VX006674.D

Acq: 20 Dec 2018 14:27

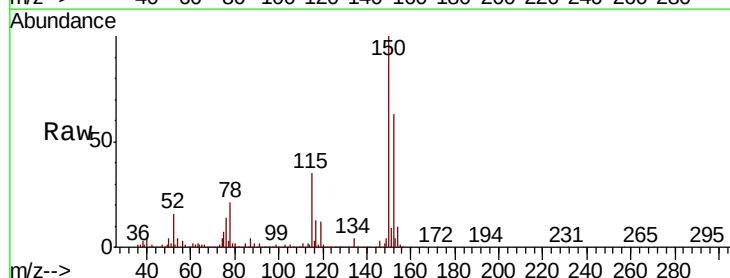
Tgt Ion:152 Resp: 423698

Ion Ratio Lower Upper

152 100

115 64.1 39.1 117.2

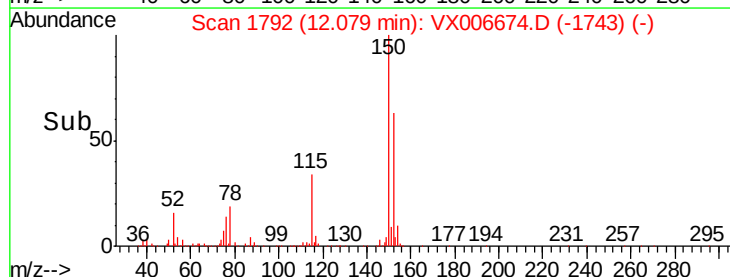
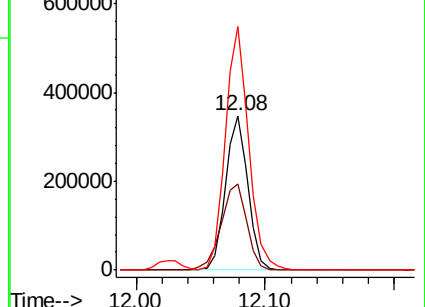
150 164.9 0.0 344.8

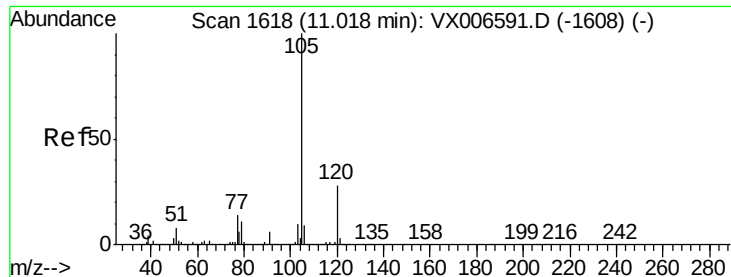


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.739 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

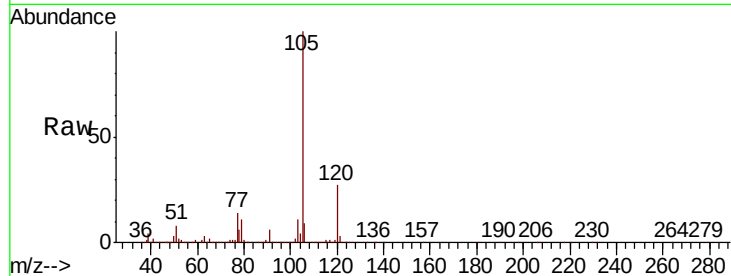
VX1220WBSD01

Tot Ion:105 Resp: 572141

Ion Ratio Lower Upper

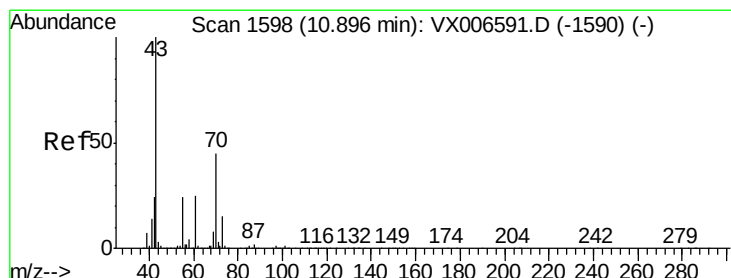
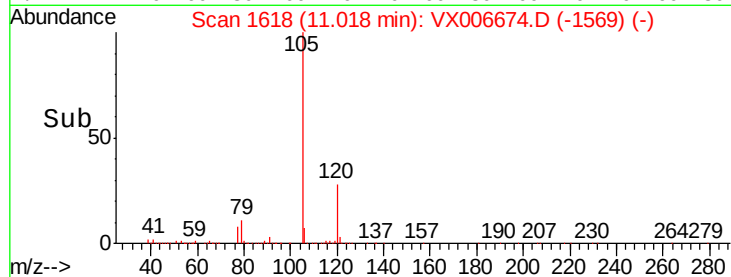
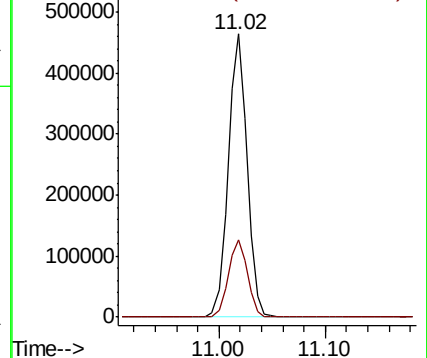
105 100

120 27.8 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.074 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Tgt Ion: 43 Resp: 208273

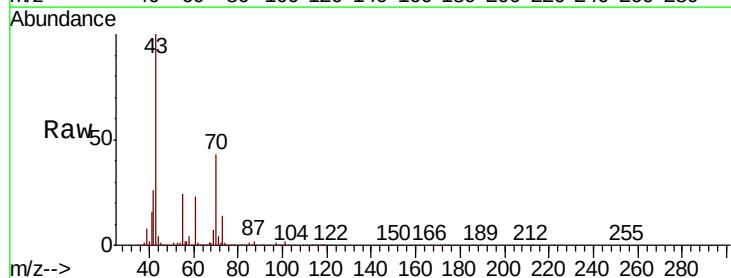
Ion Ratio Lower Upper

43 100

70 44.9 35.8 53.8

55 25.4 19.4 29.0

61 24.2 20.1 30.1

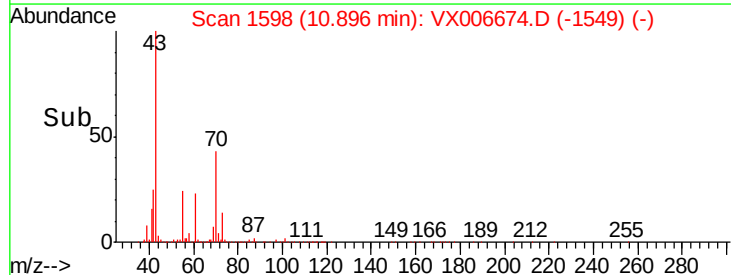
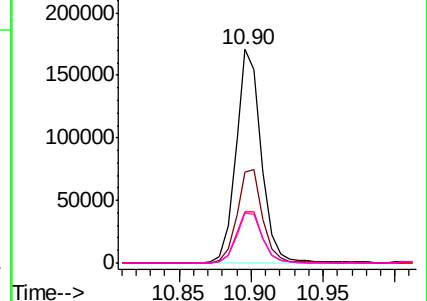


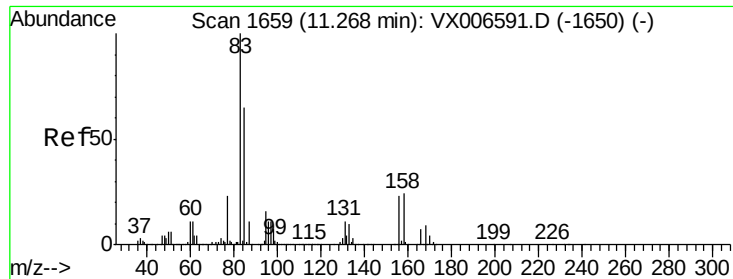
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.782 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

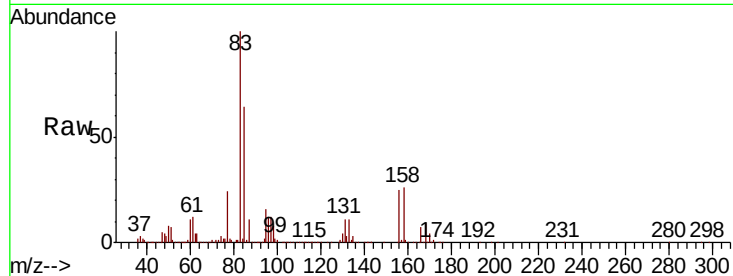
Tot Ion: 83 Resp: 179152

Ion Ratio Lower Upper

83 100

131 11.2 5.7 17.1

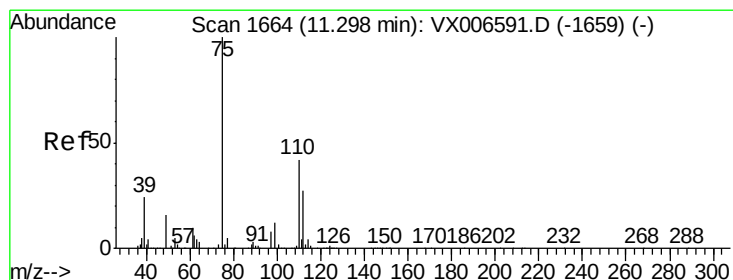
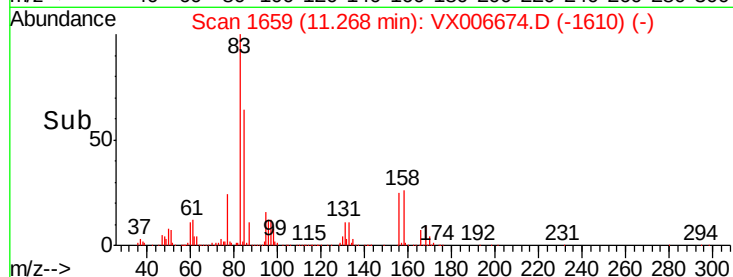
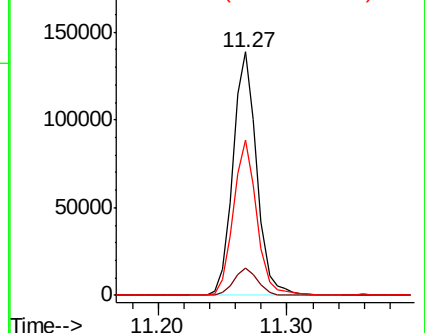
85 62.9 32.2 96.6



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: 23.270 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX006674.D

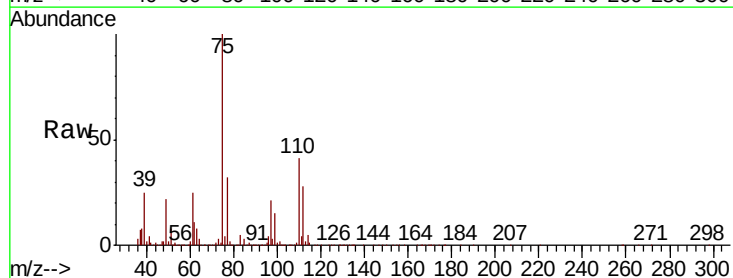
Acq: 20 Dec 2018 14:27

Tgt Ion: 75 Resp: 183233

Ion Ratio Lower Upper

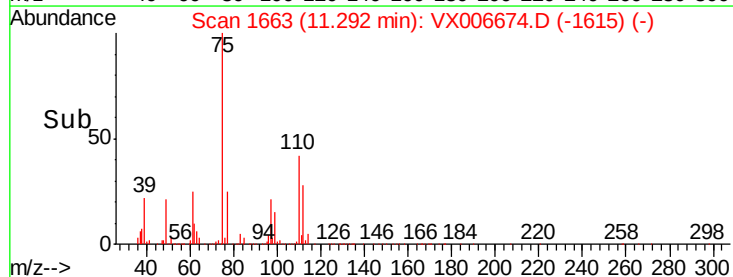
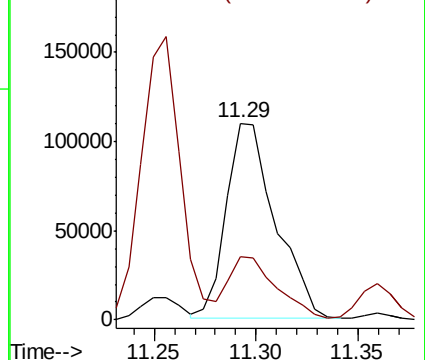
75 100

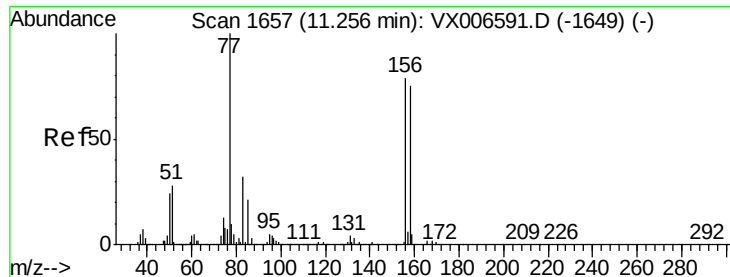
77 31.2 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.413 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

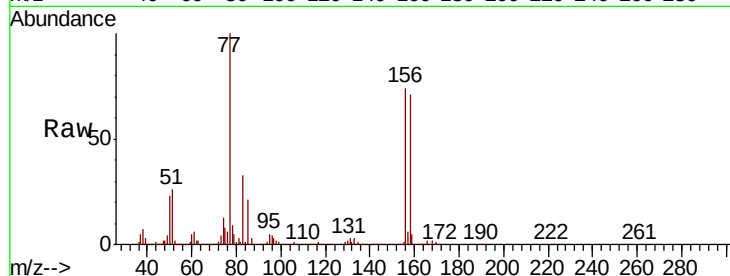
Tot Ion:156 Resp: 152131

Ion Ratio Lower Upper

156 100

77 139.8 68.0 204.0

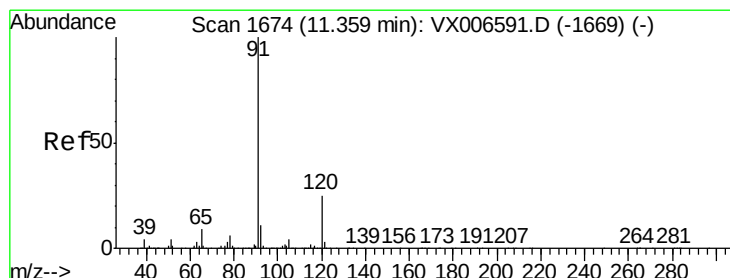
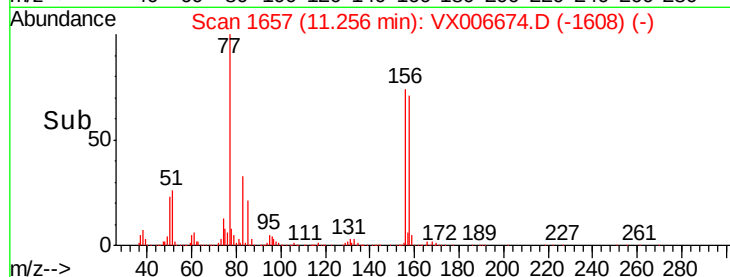
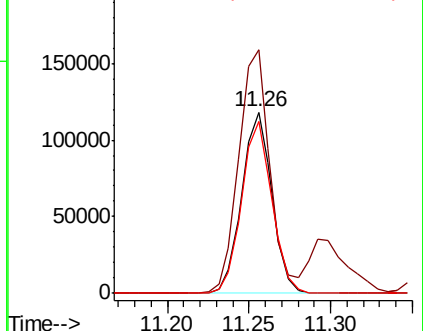
158 96.1 48.3 144.8



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: 19.774 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006674.D

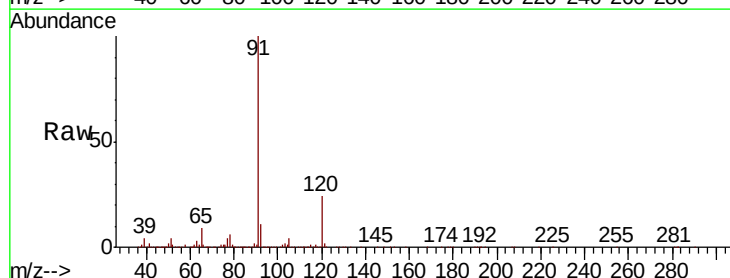
Acq: 20 Dec 2018 14:27

Tgt Ion: 91 Resp: 631174

Ion Ratio Lower Upper

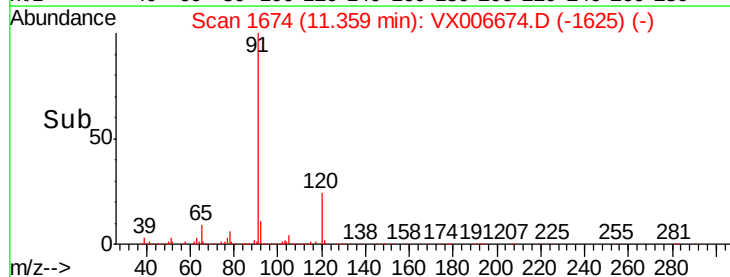
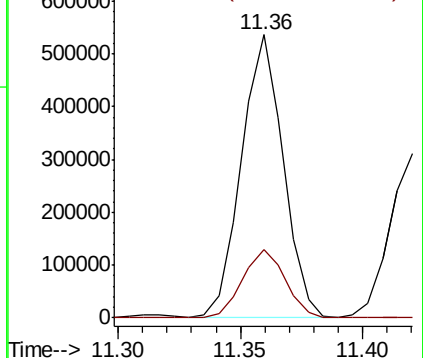
91 100

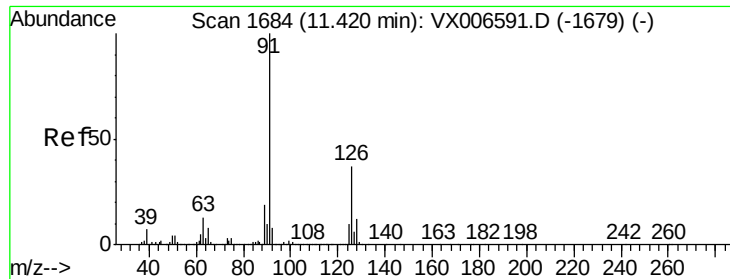
120 24.9 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.438 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

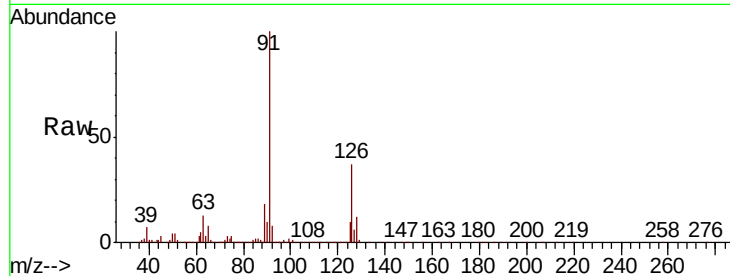
VX1220WBSD01

Tot Ion: 91 Resp: 376000

Ion Ratio Lower Upper

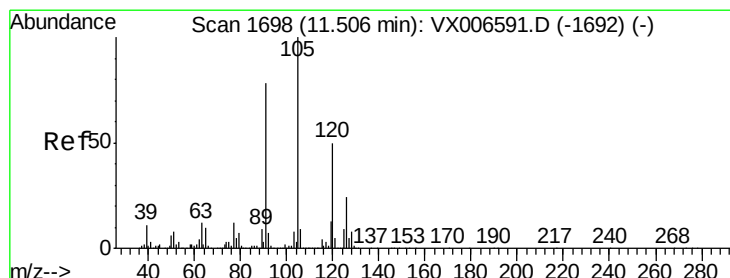
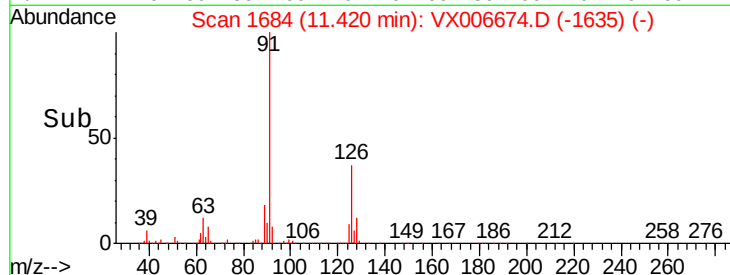
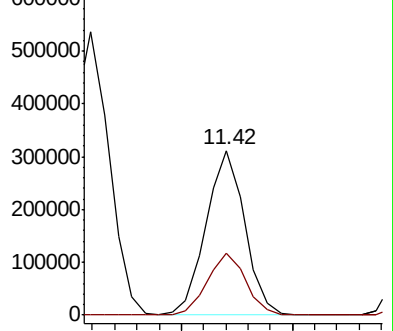
91 100

126 37.7 18.6 56.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.708 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006674.D

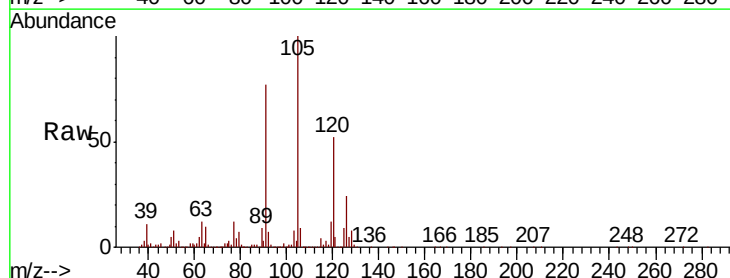
Acq: 20 Dec 2018 14:27

Tgt Ion:105 Resp: 470530

Ion Ratio Lower Upper

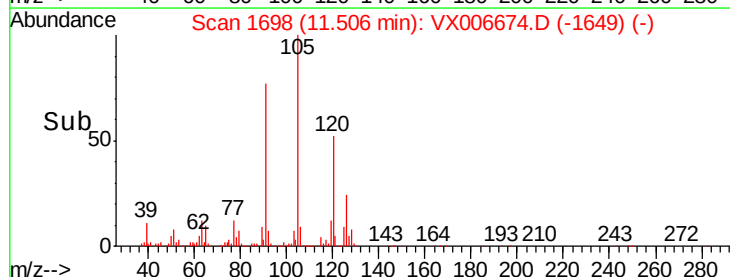
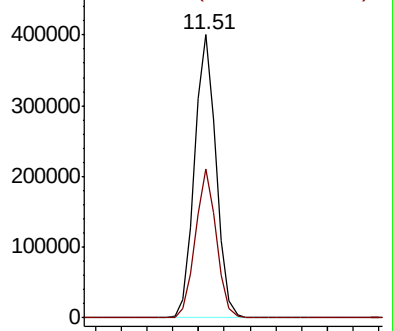
105 100

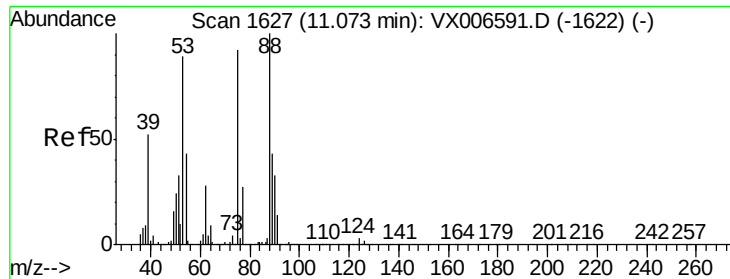
120 51.2 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

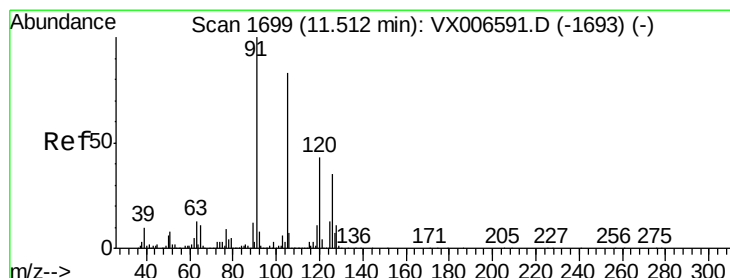
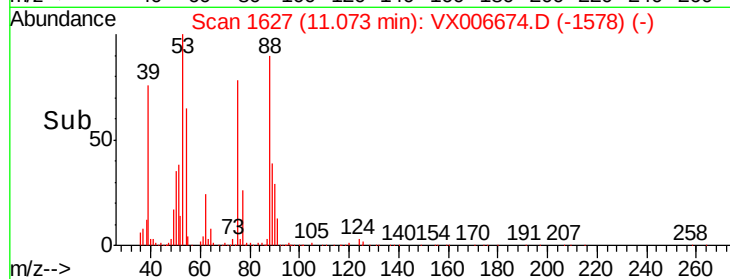
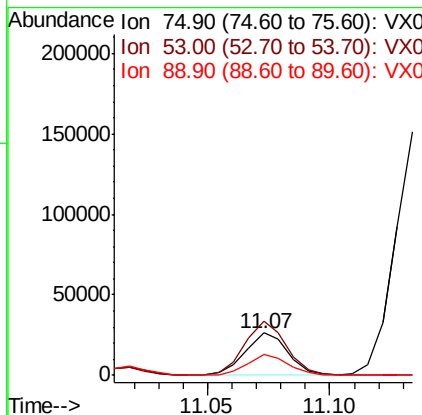
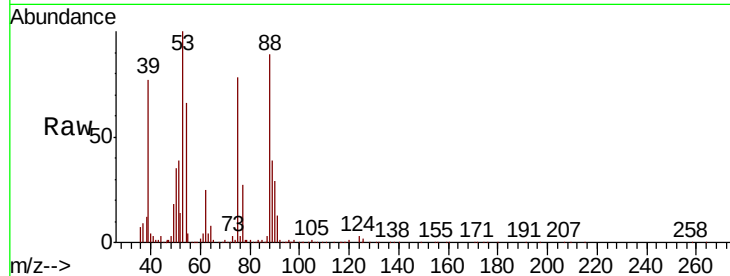




#81
trans-1,4-Dichloro-2-butene
Concen: 15.732 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

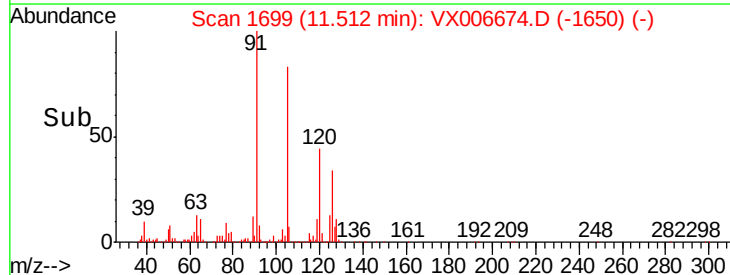
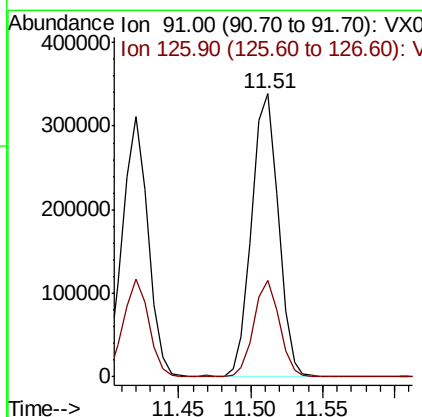
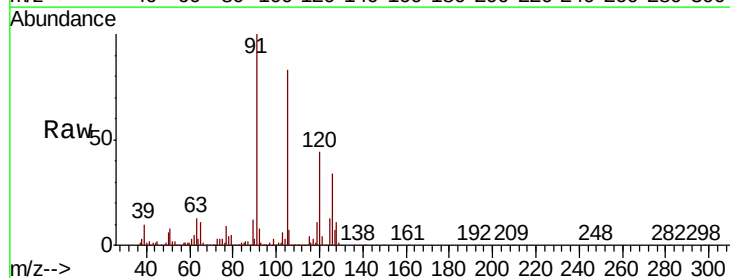
Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

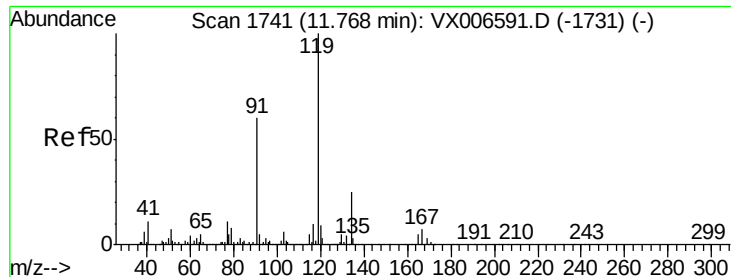
Tot Ion: 75 Resp: 32505
Ion Ratio Lower Upper
75 100
53 122.8 79.7 119.5#
89 46.9 38.0 57.0



#82
4-Chlorotoluene
Concen: 19.542 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion: 91 Resp: 433611
Ion Ratio Lower Upper
91 100
126 32.8 16.3 48.9





#83

tert-Butylbenzene

Concen: 19.932 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

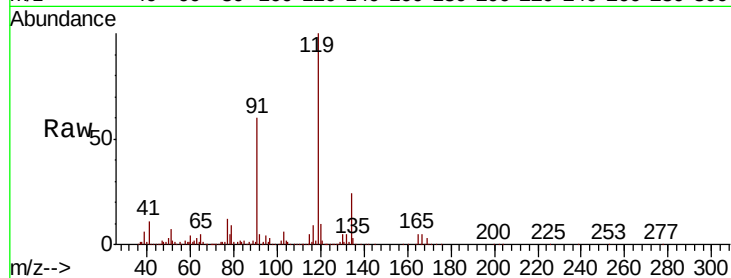
Tot Ion:119 Resp: 476273

Ion Ratio Lower Upper

119 100

91 56.0 27.7 83.1

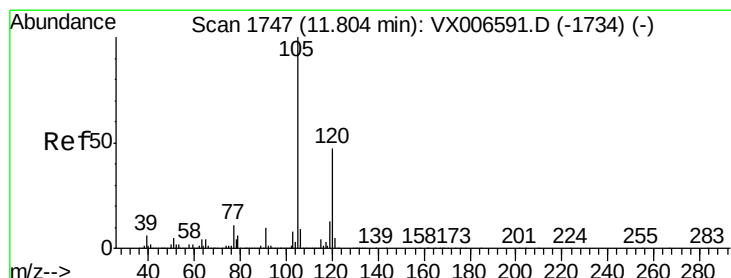
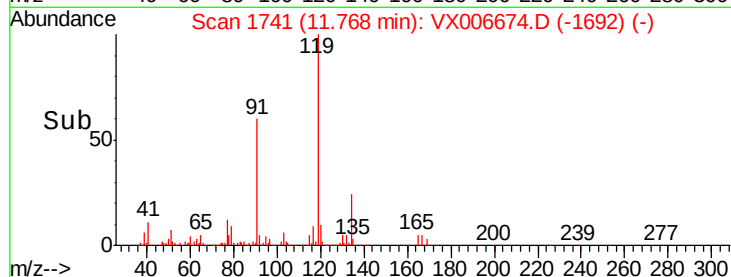
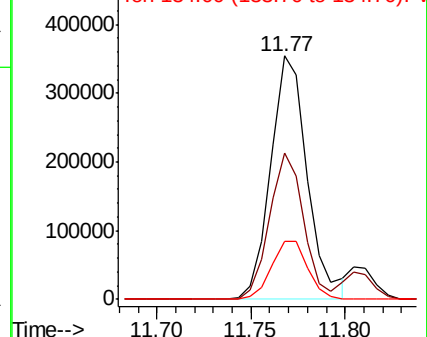
134 23.9 11.9 35.5



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: 19.274 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006674.D

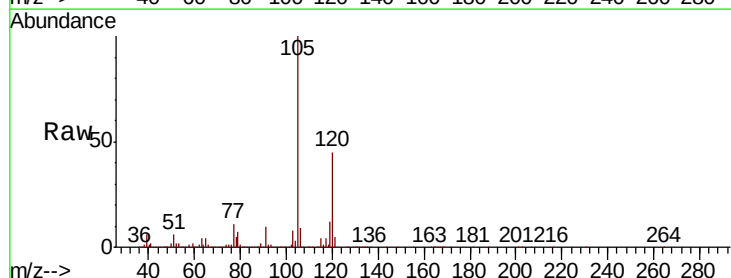
Acq: 20 Dec 2018 14:27

Tgt Ion:105 Resp: 484014

Ion Ratio Lower Upper

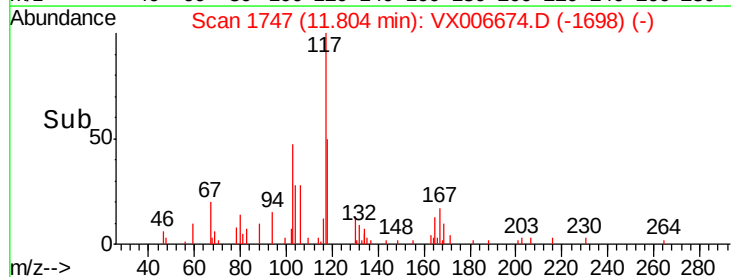
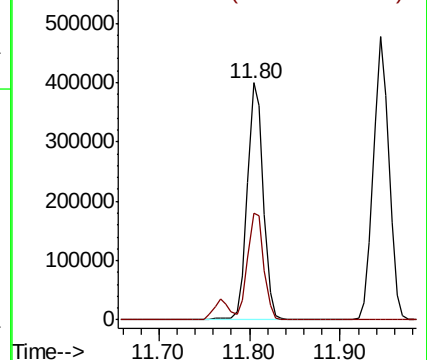
105 100

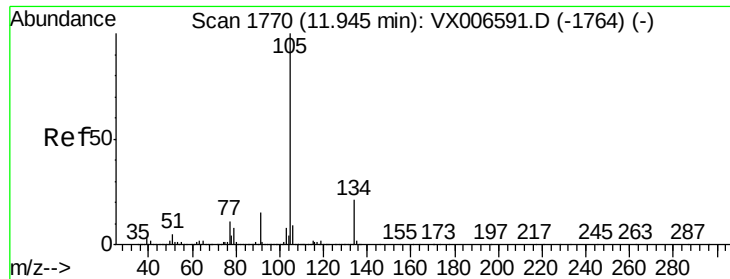
120 45.8 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.608 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleID :

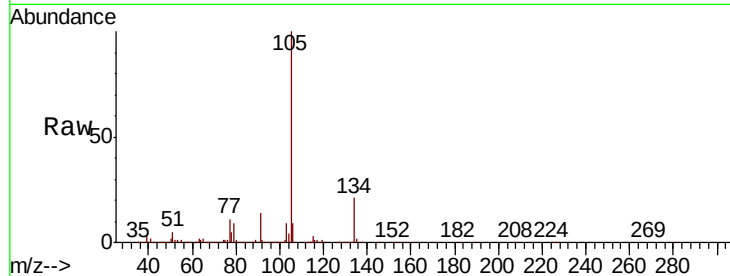
VX1220WBSD01

Tot Ion:105 Resp: 574432

Ion Ratio Lower Upper

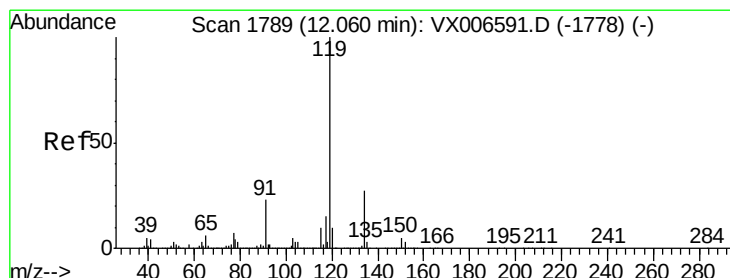
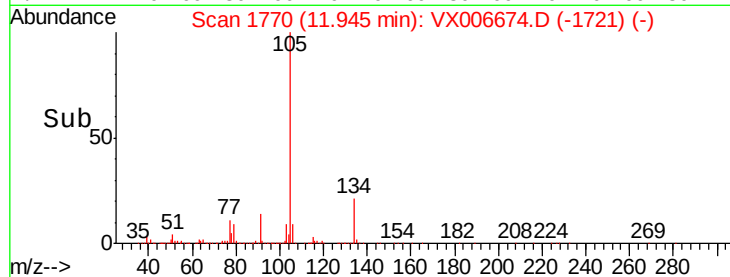
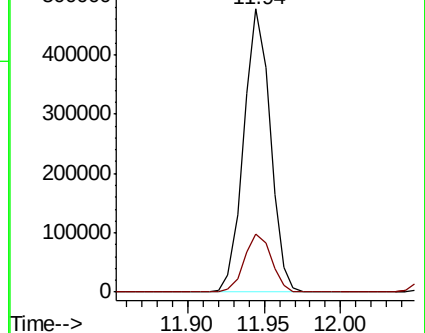
105 100

134 21.2 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.823 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

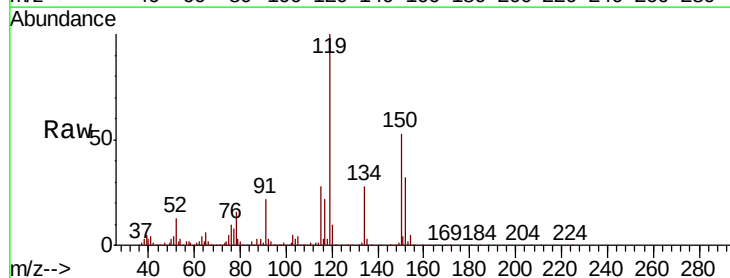
Tgt Ion:119 Resp: 510488

Ion Ratio Lower Upper

119 100

134 27.4 14.0 41.9

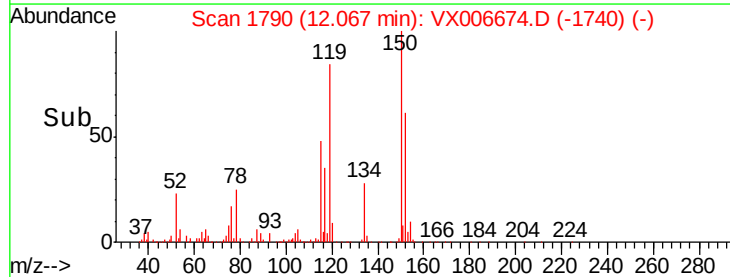
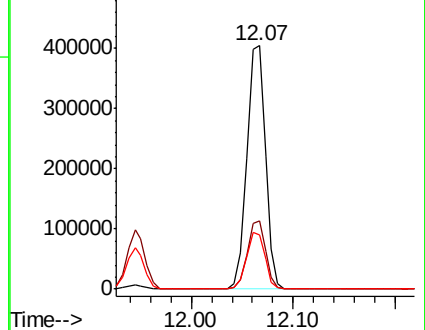
91 22.9 11.3 33.9

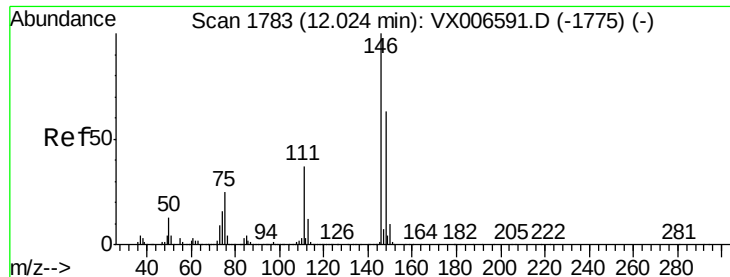


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 19.756 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

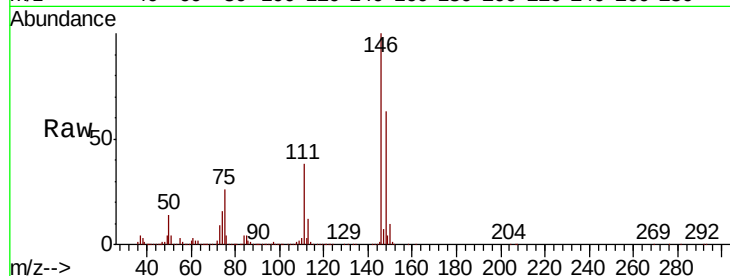
Tot Ion:146 Resp: 279025

Ion Ratio Lower Upper

146 100

111 37.3 18.6 55.8

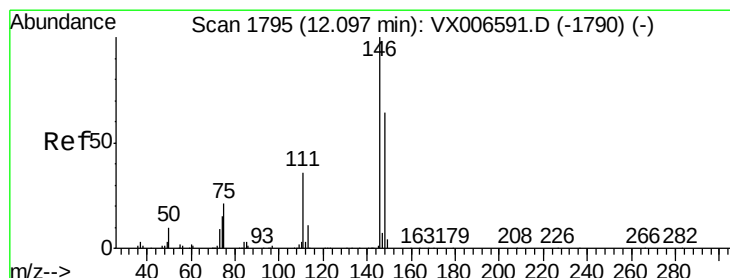
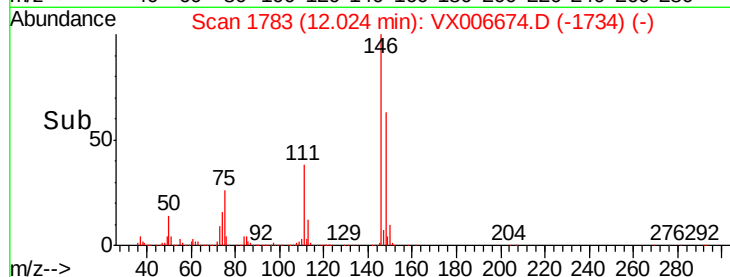
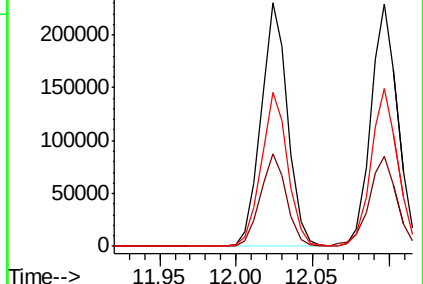
148 62.8 31.8 95.3



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: 19.132 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

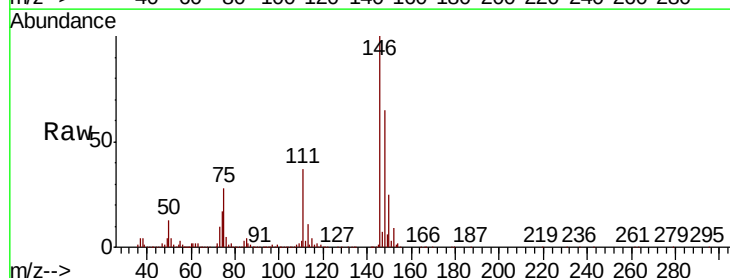
Tgt Ion:146 Resp: 276999

Ion Ratio Lower Upper

146 100

111 38.2 18.1 54.1

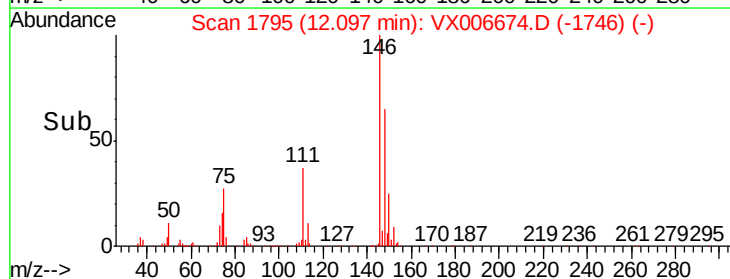
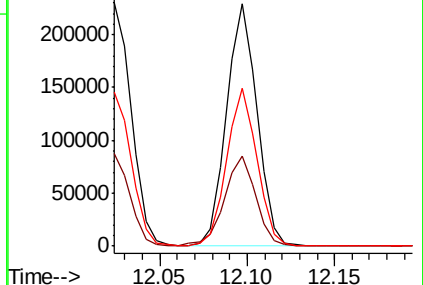
148 65.2 31.9 95.9

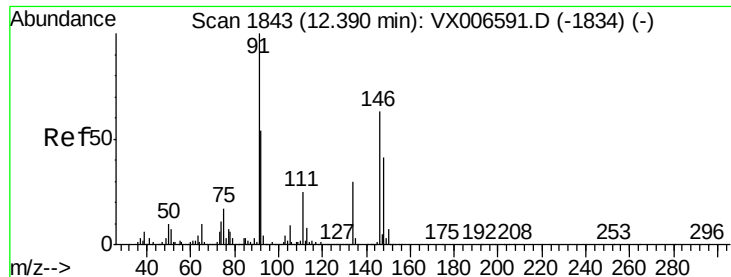


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.081 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

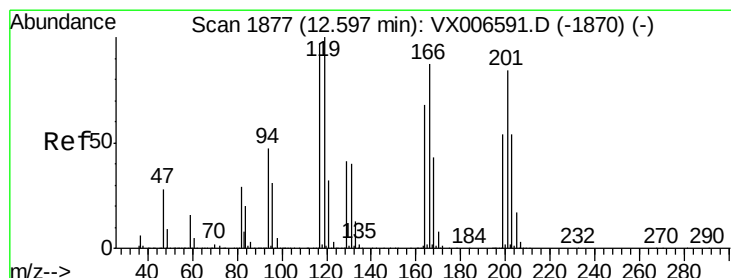
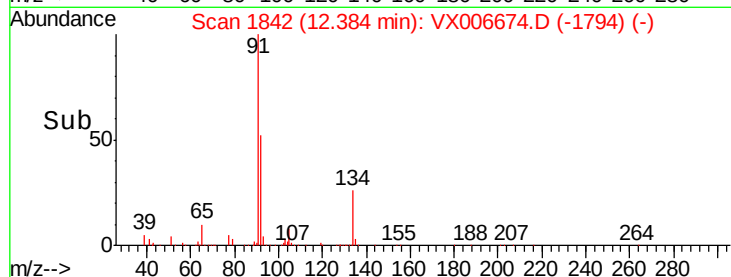
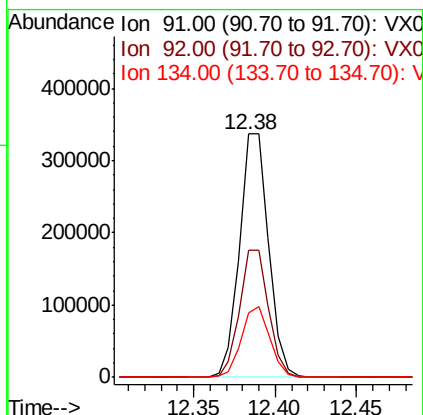
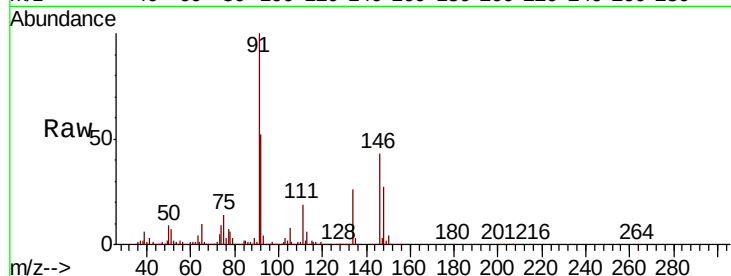
Tot Ion: 91 Resp: 418198

Ion Ratio Lower Upper

91 100

92 52.3 26.8 80.4

134 28.7 14.4 43.2



#90

Hexachloroethane

Concen: 17.482 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX006674.D

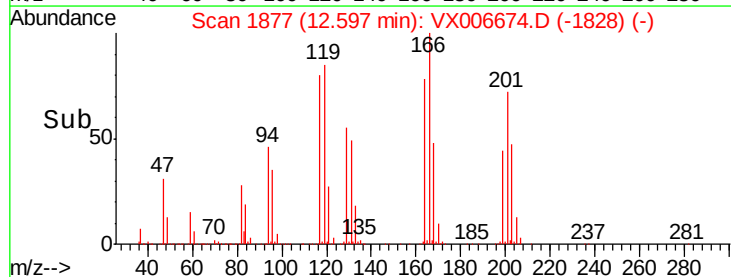
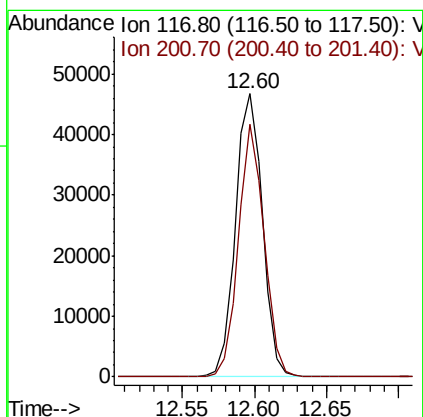
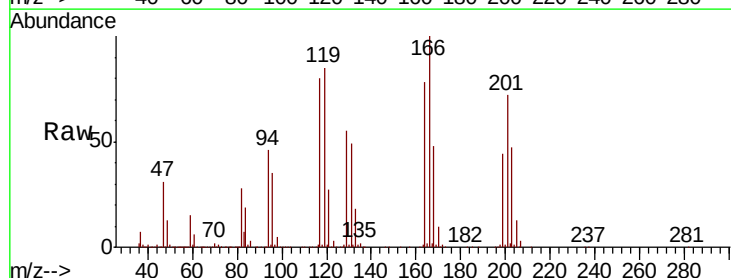
Acq: 20 Dec 2018 14:27

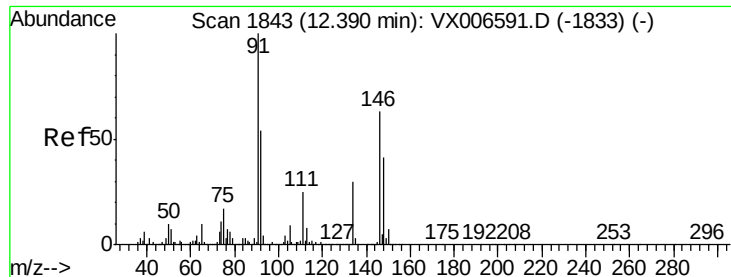
Tgt Ion: 117 Resp: 61220

Ion Ratio Lower Upper

117 100

201 84.2 42.9 128.7





#91

1,2-Dichlorobenzene

Concen: 19.765 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

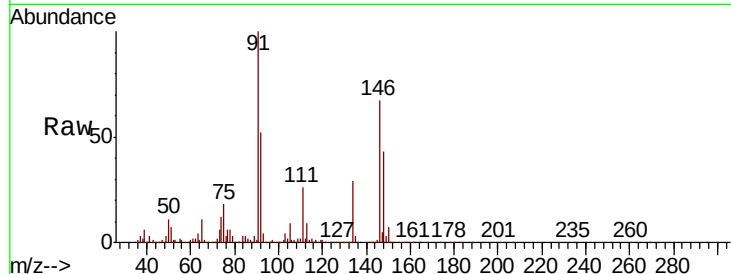
Tot Ion:146 Resp: 279247

Ion Ratio Lower Upper

146 100

111 39.6 19.4 58.2

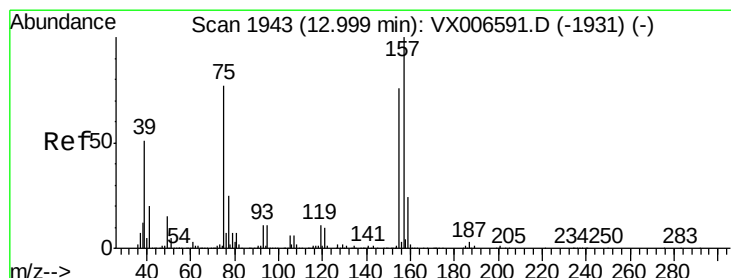
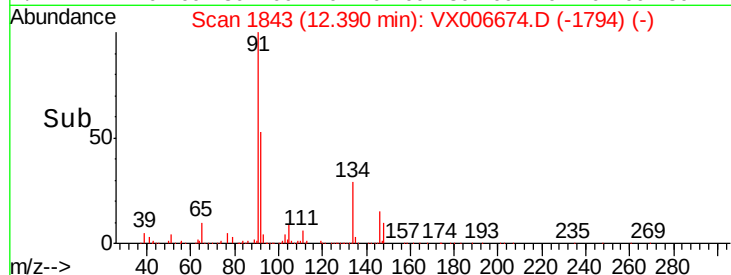
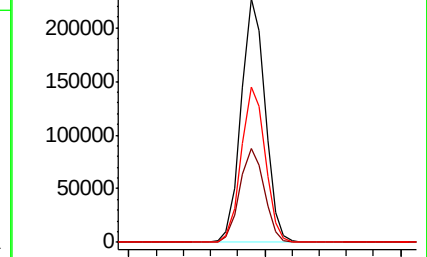
148 63.9 32.3 96.9



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.676 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

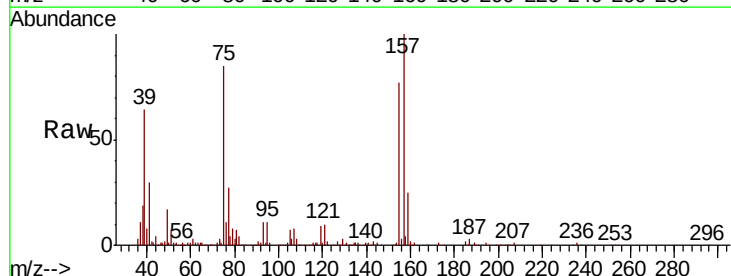
Tgt Ion: 75 Resp: 33313

Ion Ratio Lower Upper

75 100

155 97.9 50.6 151.8

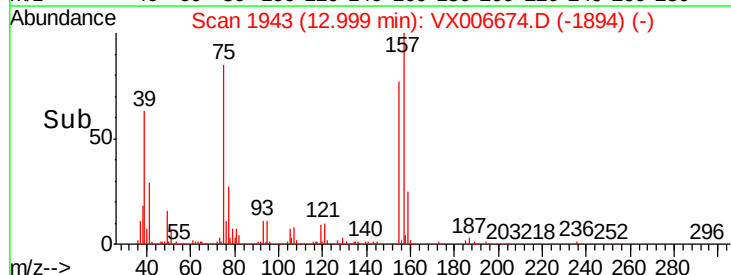
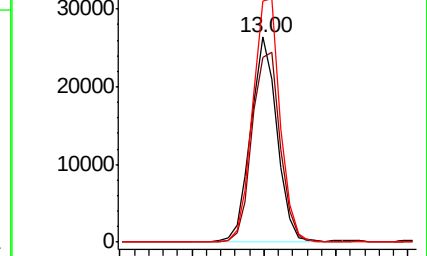
157 122.3 64.6 193.8

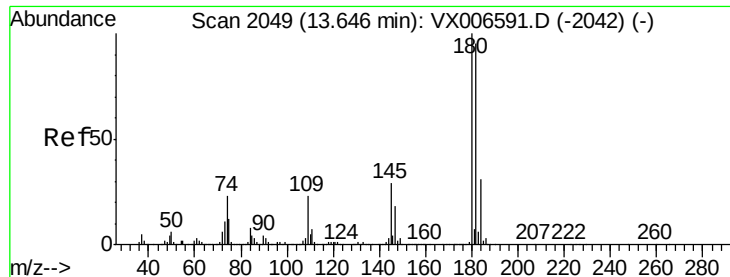


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

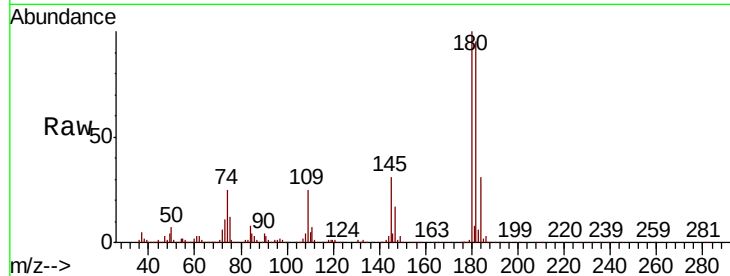




#93
 1,2,4-Trichlorobenzene
 Concen: 19.088 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006674.D
 Acq: 20 Dec 2018 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	142.0
145	30.3	14.8	44.3

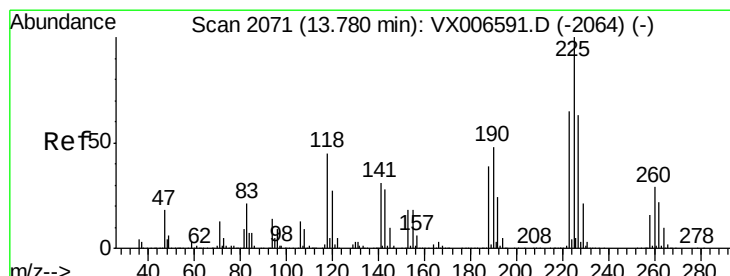
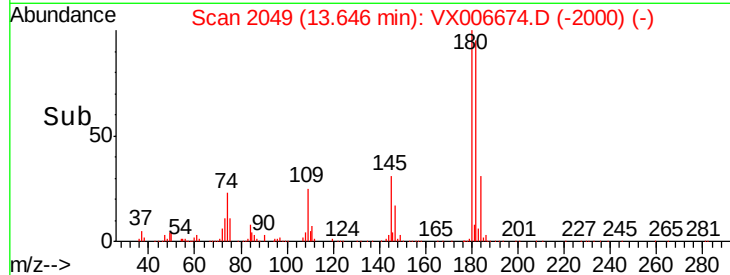
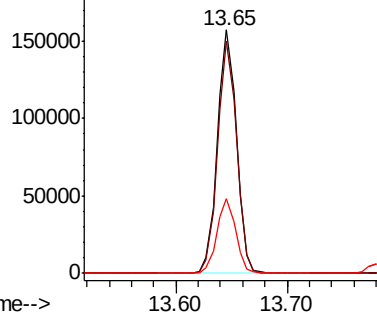


Abundance

Ion 179.80 (179.50 to 180.50): V

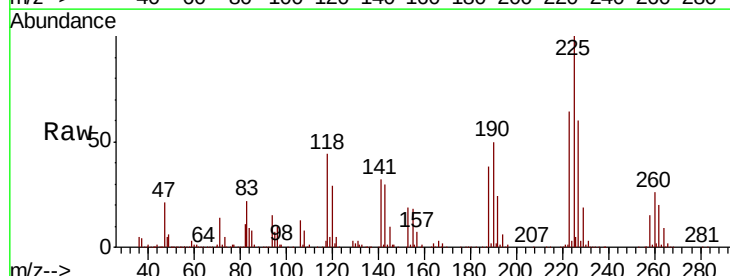
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 17.801 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX006674.D
 Acq: 20 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.1	96.3
227	62.4	32.3	96.8

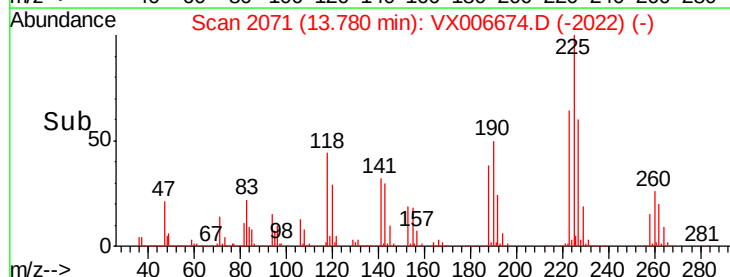
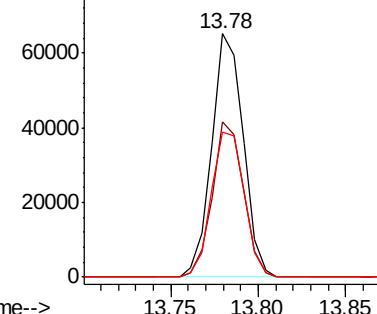


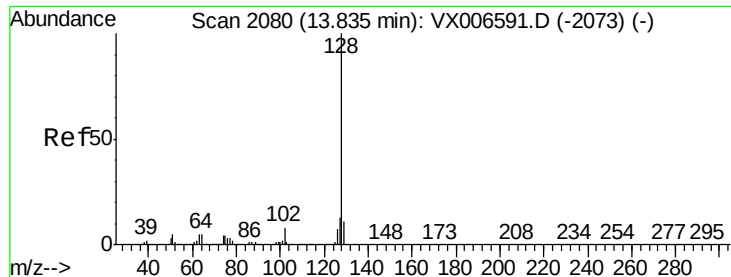
Abundance

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: 19.573 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

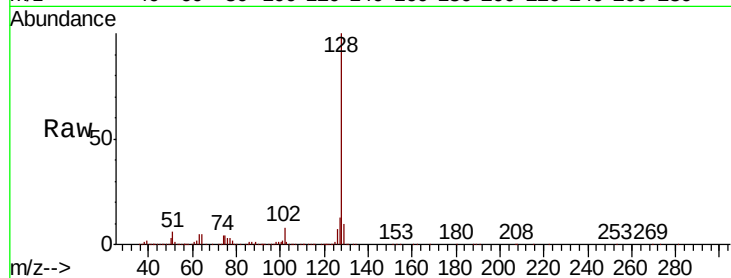
Tot Ion:128 Resp: 608808

Ion Ratio Lower Upper

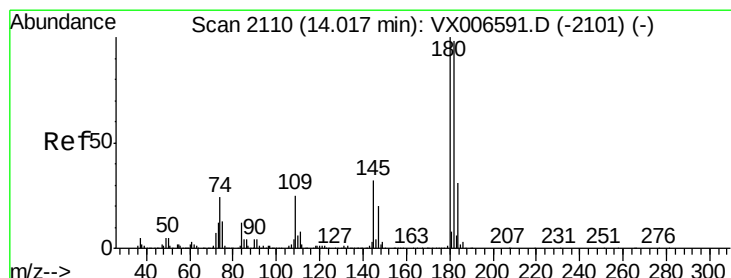
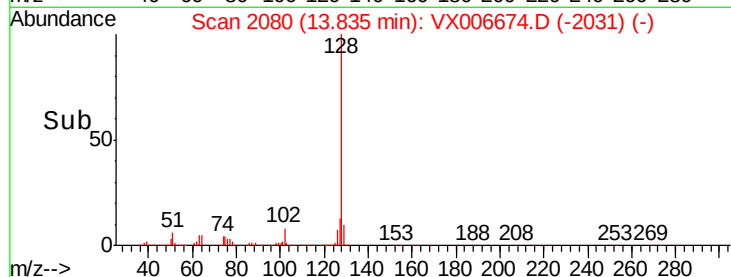
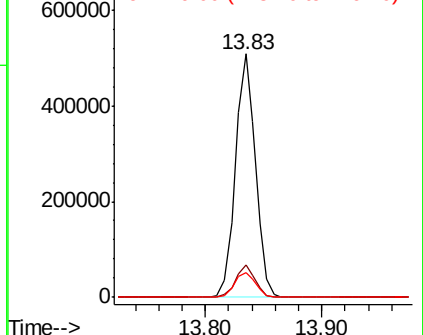
128 100

127 12.8 10.1 15.1

129 10.7 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: 18.871 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

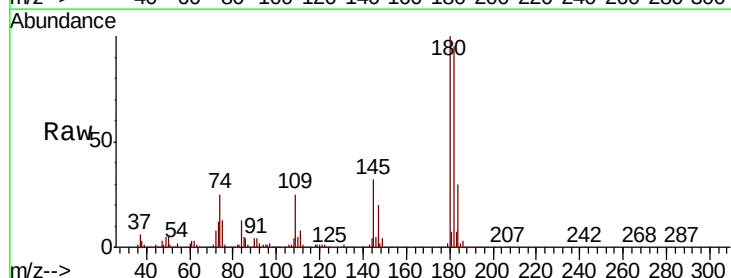
Tgt Ion:180 Resp: 189887

Ion Ratio Lower Upper

180 100

182 96.0 48.5 145.5

145 31.2 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

