

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122118\
 Data File : VX006740.D
 Acq On : 21 Dec 2018 23:31
 Operator : JC/MD
 Sample : VX1221WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD02

Quant Time: Dec 22 04:09:44 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	543696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	857767	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	755918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	379153	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	310567	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	
35) Dibromofluoromethane	5.50	113	277891	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
50) Toluene-d8	8.71	98	1013086	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.13	95	355847	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	88362	17.765	ug/l	93
3) Chloromethane	1.33	50	94508	17.637	ug/l	97
4) Vinyl Chloride	1.41	62	109241	19.519	ug/l	99
5) Bromomethane	1.64	94	102653	18.446	ug/l	98
6) Chloroethane	1.72	64	72552	18.722	ug/l	99
7) Trichlorofluoromethane	1.93	101	179859	20.613	ug/l	94
8) Diethyl Ether	2.19	74	70147	20.241	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	101606	19.833	ug/l	99
10) Methyl Iodide	2.51	142	141972	19.359	ug/l	99
11) Tert butyl alcohol	3.08	59	153203	117.152	ug/l	100
12) 1,1-Dichloroethene	2.37	96	96493	19.864	ug/l	98
13) Acrolein	2.30	56	89725	101.706	ug/l	99
14) Allyl chloride	2.73	41	163604	20.008	ug/l	98
15) Acrylonitrile	3.15	53	330405	113.793	ug/l	99
16) Acetone	2.45	43	277543	103.094	ug/l	99
17) Carbon Disulfide	2.57	76	215540	16.766	ug/l	99
18) Methyl Acetate	2.78	43	192102	24.267	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	351449	21.798	ug/l	98
20) Methylene Chloride	2.86	84	110914	19.924	ug/l	90
21) trans-1,2-Dichloroethene	3.17	96	106847	19.851	ug/l	100
22) Diisopropyl ether	3.88	45	317848	21.248	ug/l	93
23) Vinyl Acetate	3.82	43	1267220	103.566	ug/l	100
24) 1,1-Dichloroethane	3.70	63	180443	20.207	ug/l	100
25) 2-Butanone	4.70	43	409131	108.041	ug/l	99
26) 2,2-Dichloropropane	4.58	77	88026	12.761	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	122064	20.555	ug/l	97
28) Bromochloromethane	5.02	49	83919	21.227	ug/l	99
29) Tetrahydrofuran	5.16	42	281845	113.003	ug/l	98
30) Chloroform	5.21	83	193367	20.911	ug/l	99
31) Cyclohexane	5.58	56	155491	19.167	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	153747	19.690	ug/l	97
36) 1,1-Dichloropropene	5.80	75	138197	19.453	ug/l	99
37) Ethyl Acetate	4.87	43	156945	21.225	ug/l	99
38) Carbon Tetrachloride	5.78	117	130191	18.857	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	165865	17.734	ug/l	99
40) Benzene	6.14	78	433772	20.087	ug/l	98
41) Methacrylonitrile	5.06	41	83703	21.321	ug/l	96
42) 1,2-Dichloroethane	6.20	62	149279	20.287	ug/l	99
43) Isopropyl Acetate	6.46	43	232121	20.632	ug/l	99
44) Trichloroethene	7.21	130	125349	19.178	ug/l	97
45) 1,2-Dichloropropane	7.52	63	107149	20.390	ug/l	99
46) Dibromomethane	7.66	93	77121	19.952	ug/l	99
47) Bromodichloromethane	7.90	83	122999	19.167	ug/l	99
48) Methyl methacrylate	7.77	41	120128	20.997	ug/l	99
49) 1,4-Dioxane	7.76	88	62360	404.747	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	774242	108.157	ug/l	99
52) Toluene	8.79	92	274114	19.648	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	118123	17.163	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	138056	18.281	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	116941	20.478	ug/l	99
56) Ethyl methacrylate	9.18	69	163662	20.278	ug/l	99
57) 1,3-Dichloropropane	9.37	76	185531	20.194	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	415105	96.755	ug/l	99
59) 2-Hexanone	9.49	43	593252	108.315	ug/l	100
60) Dibromochloromethane	9.59	129	100590	18.384	ug/l	99
61) 1,2-Dibromoethane	9.67	107	124075	20.440	ug/l	99
64) Tetrachloroethene	9.34	164	119993	20.047	ug/l	97
65) Chlorobenzene	10.14	112	313473	19.602	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	105740	21.193	ug/l	98
67) Ethyl Benzene	10.25	91	513122	19.636	ug/l	97
68) m/p-Xylenes	10.36	106	407597	39.528	ug/l	99
69) o-Xylene	10.70	106	197310	19.377	ug/l	97
70) Styrene	10.71	104	312666	19.409	ug/l	98
71) Bromoform	10.86	173	68012	18.224	ug/l	100
73) Isopropylbenzene	11.02	105	527348	20.331	ug/l	99
74) N-amyl acetate	10.90	43	202195	21.778	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	173902	22.543	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	173655	24.645	ug/l	91
77) Bromobenzene	11.26	156	141691	20.205	ug/l	98
78) n-propylbenzene	11.36	91	575010	20.131	ug/l	100
79) 2-Chlorotoluene	11.42	91	344814	19.920	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	433544	20.293	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	29360	15.839	ug/l #	82
82) 4-Chlorotoluene	11.51	91	394493	19.868	ug/l	99
83) tert-Butylbenzene	11.77	119	439673	20.562	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	445514	19.825	ug/l	100
85) sec-Butylbenzene	11.94	105	520412	19.851	ug/l	100
86) p-Isopropyltoluene	12.07	119	464454	20.154	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	252084	19.946	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	249305	19.242	ug/l	97
89) n-Butylbenzene	12.39	91	377478	19.247	ug/l	98
90) Hexachloroethane	12.60	117	58999	18.574	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	250641	19.825	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	32661	20.462	ug/l	97

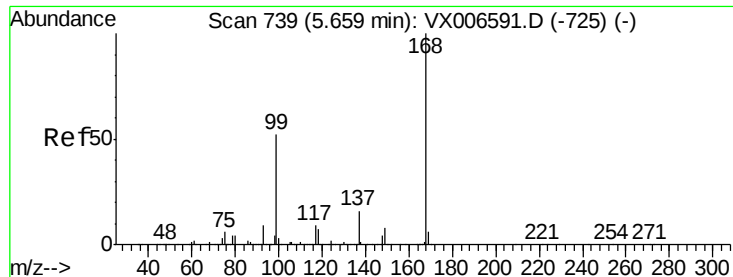
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122118\
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Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	170480	19.548	ug/l	100
94) Hexachlorobutadiene	13.79	225	72723	17.692	ug/l	99
95) Naphthalene	13.83	128	569239	20.451	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	174543	19.384	ug/l	100

(#) = 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: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

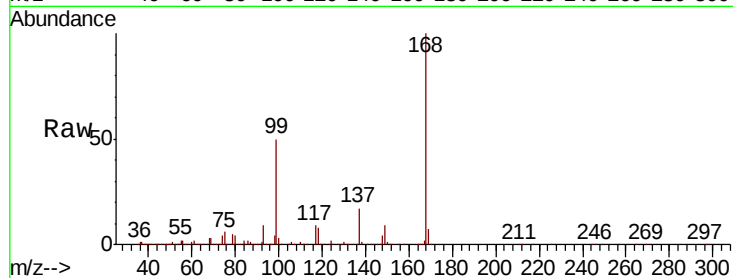
VX1221WBSD02

Tot Ion:168 Resp: 543696

Ion Ratio Lower Upper

168 100

99 50.0 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

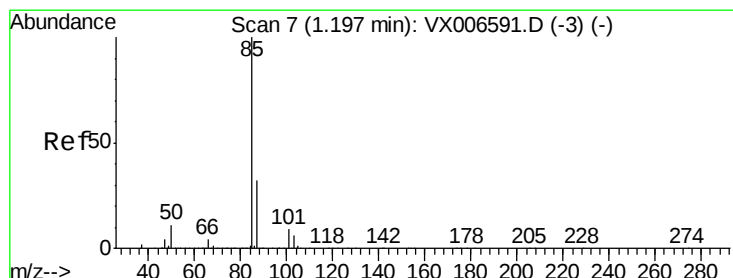
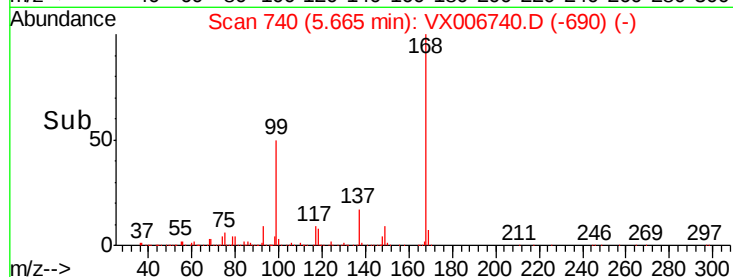
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.765 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX006740.D

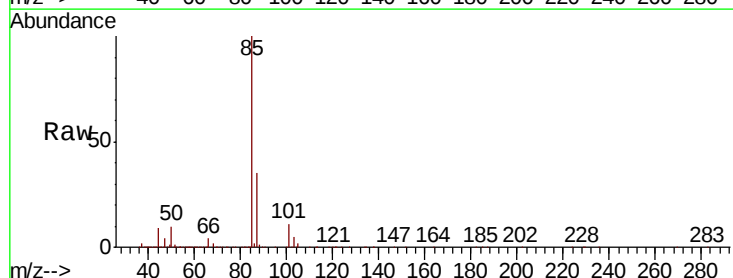
Acq: 21 Dec 2018 23:31

Tgt Ion: 85 Resp: 88362

Ion Ratio Lower Upper

85 100

87 35.4 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

80000

60000

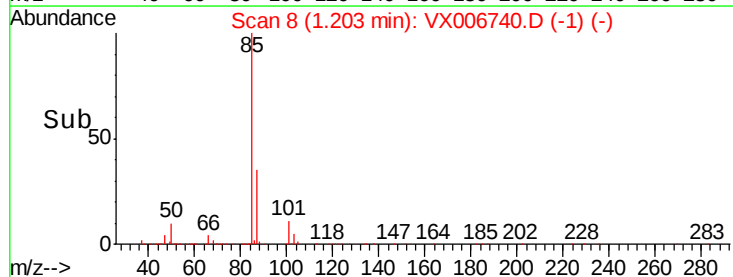
40000

20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.637 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

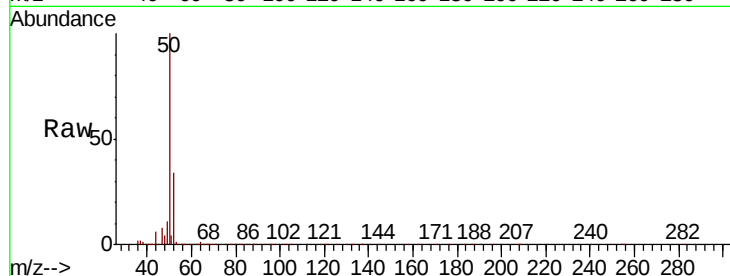
VX1221WBSD02

Tot Ion: 50 Resp: 94508

Ion Ratio Lower Upper

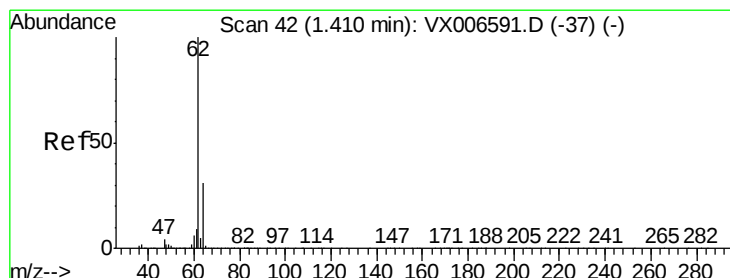
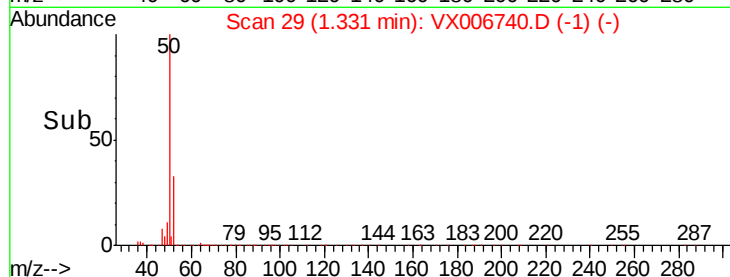
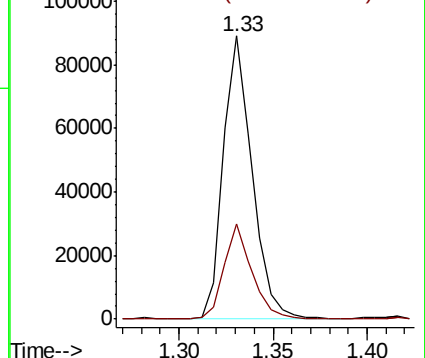
50 100

52 33.5 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.519 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006740.D

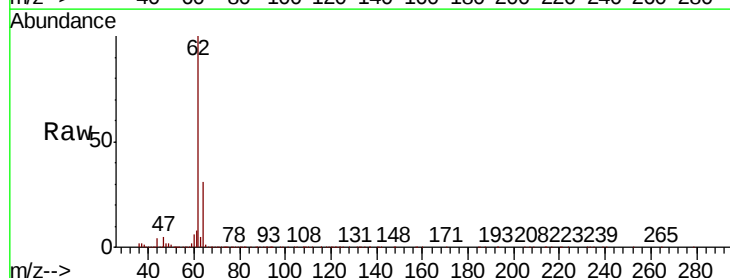
Acq: 21 Dec 2018 23:31

Tgt Ion: 62 Resp: 109241

Ion Ratio Lower Upper

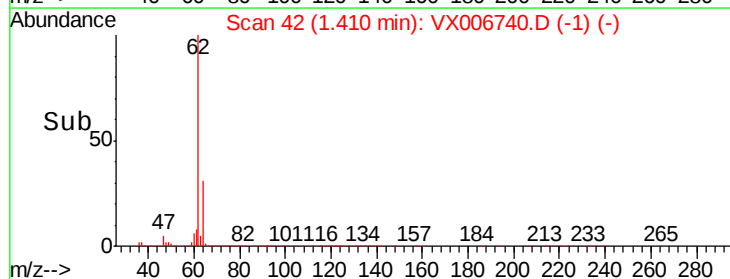
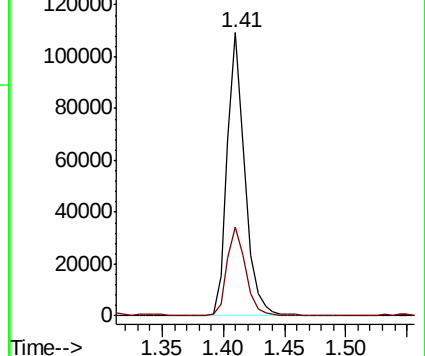
62 100

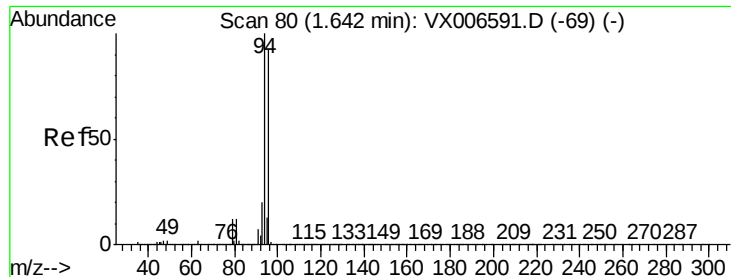
64 31.1 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.446 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

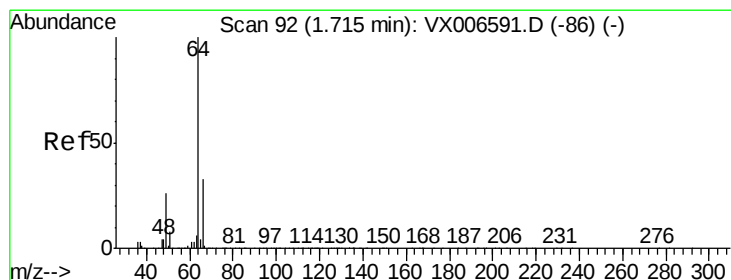
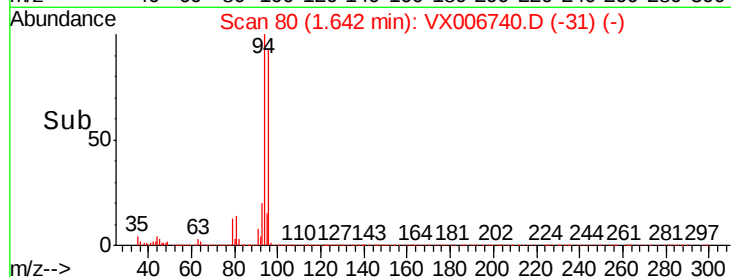
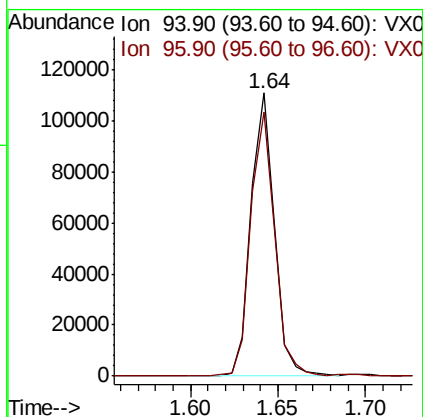
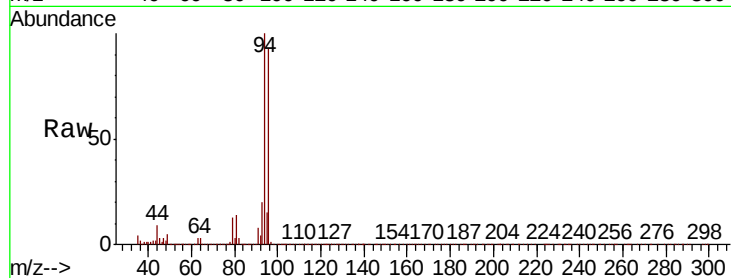
VX1221WBSD02

Tot Ion: 94 Resp: 102653

Ion Ratio Lower Upper

94 100

96 93.2 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: VX006740.D

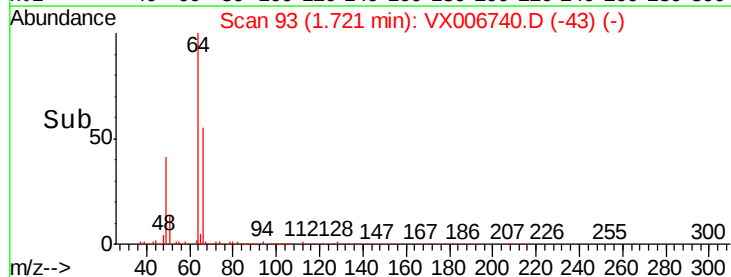
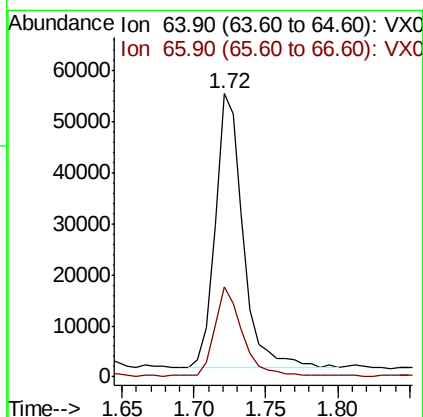
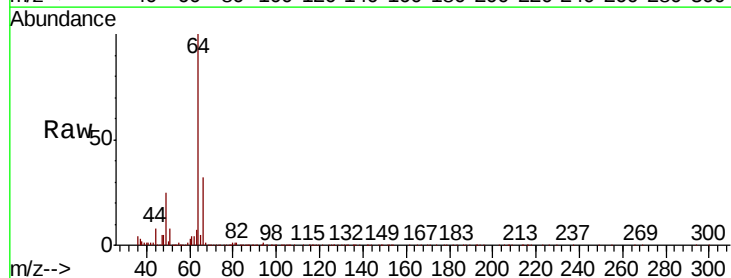
Acq: 21 Dec 2018 23:31

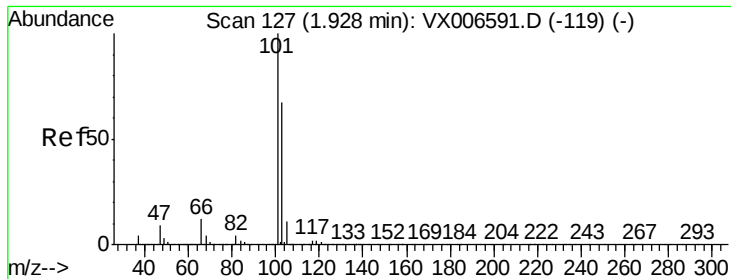
Tgt Ion: 64 Resp: 72552

Ion Ratio Lower Upper

64 100

66 32.5 26.4 39.6



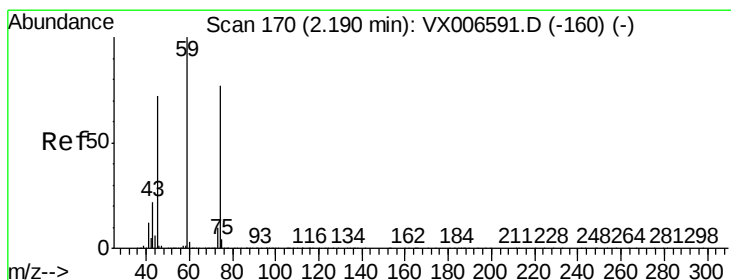
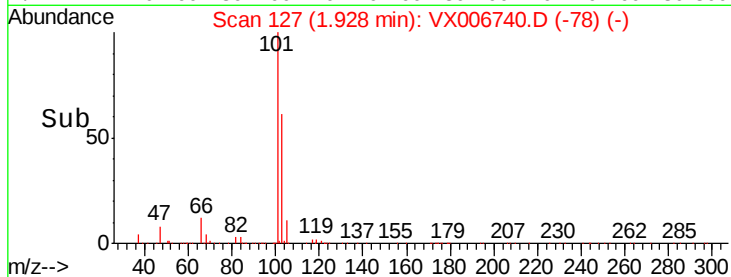
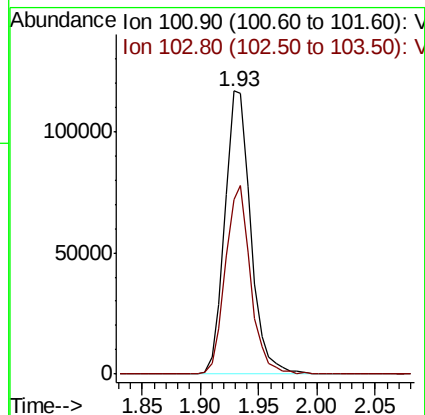
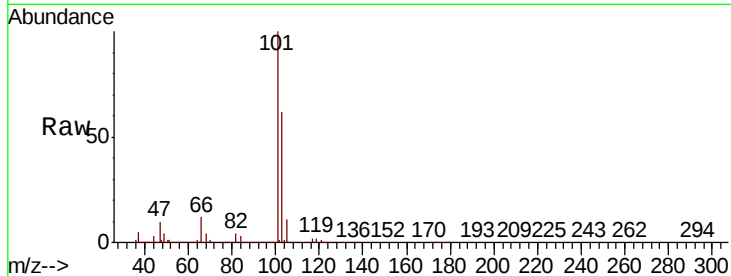


#7

Trichlorofluoromethane
Concen: 20.613 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

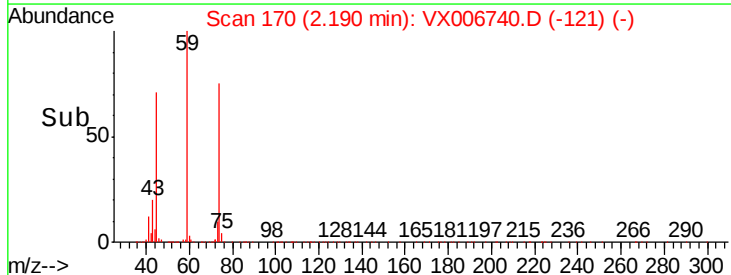
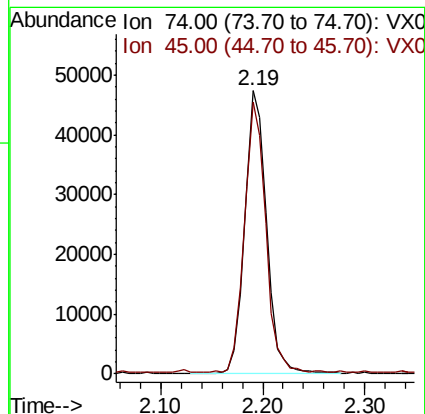
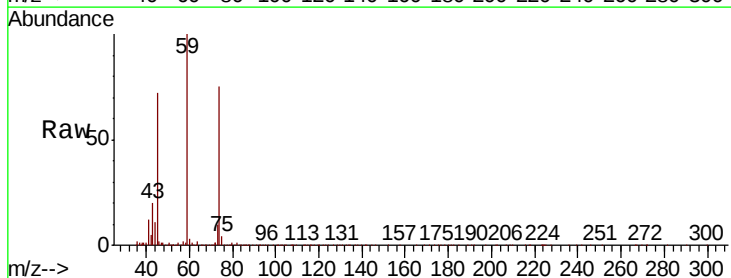
Tot Ion:101 Resp: 179859
Ion Ratio Lower Upper
101 100
103 61.4 53.2 79.8

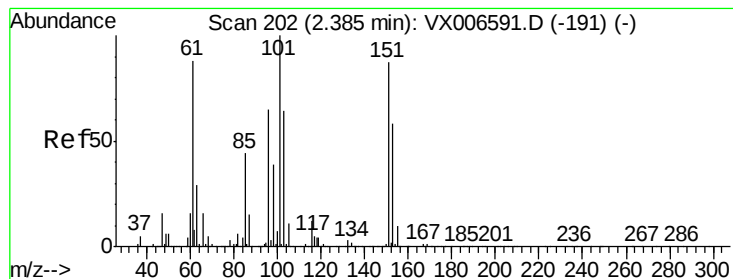


#8

Diethyl Ether
Concen: 20.241 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion: 74 Resp: 70147
Ion Ratio Lower Upper
74 100
45 92.6 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.833 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

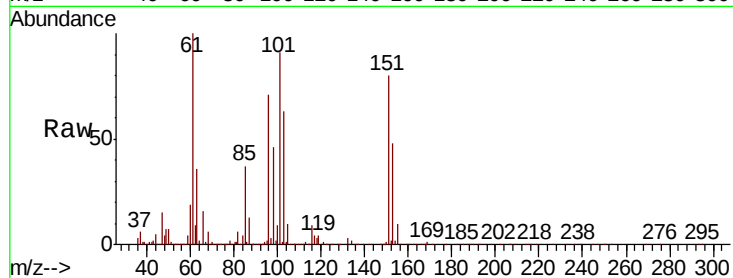
Tot Ion:101 Resp: 101606

Ion Ratio Lower Upper

101 100

85 44.3 35.1 52.7

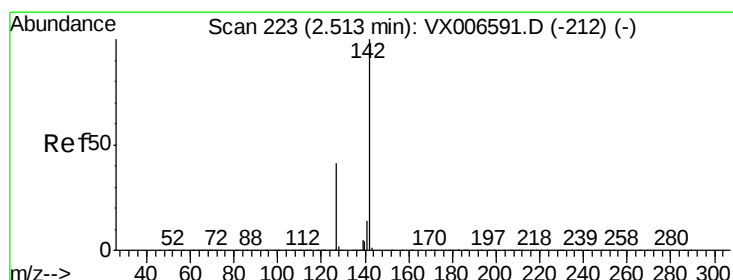
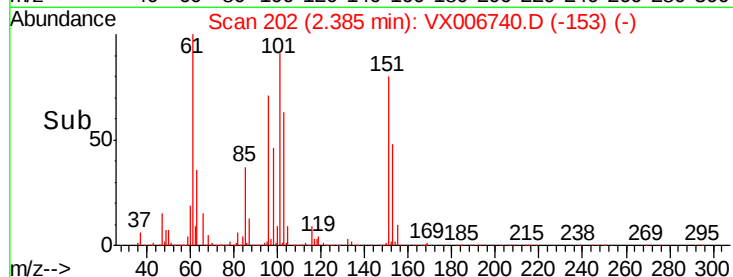
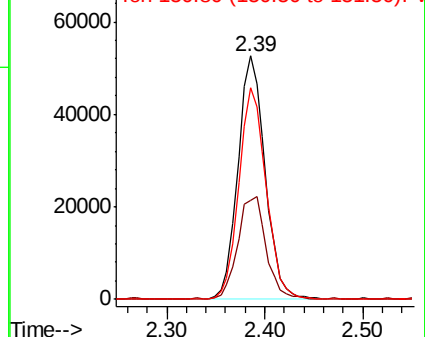
151 87.1 68.9 103.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.359 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

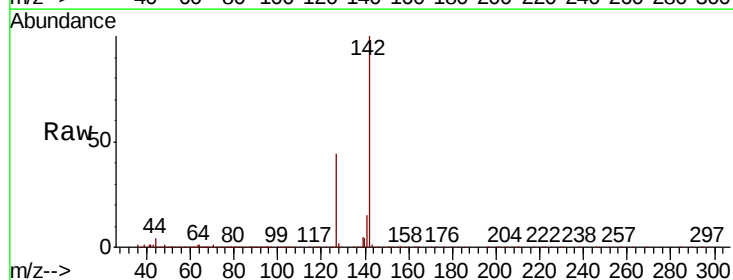
Tgt Ion:142 Resp: 141972

Ion Ratio Lower Upper

142 100

127 43.4 33.9 50.9

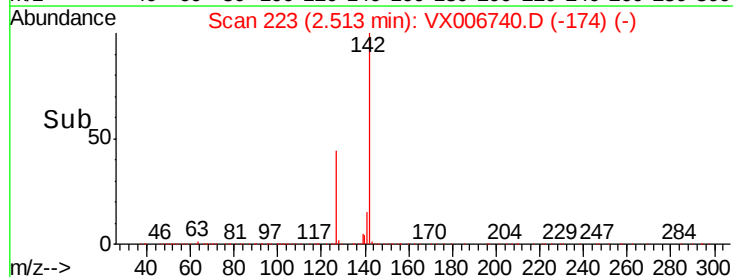
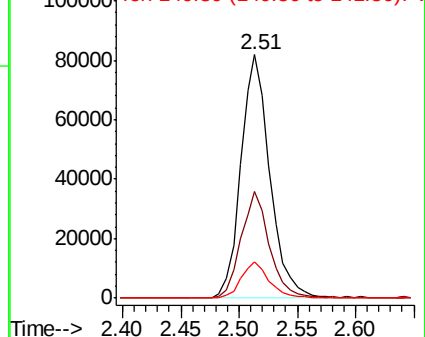
141 14.3 11.4 17.0

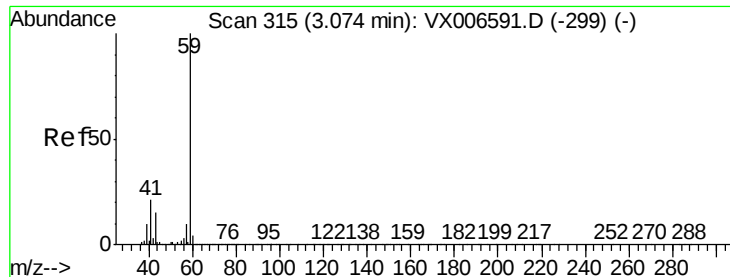


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



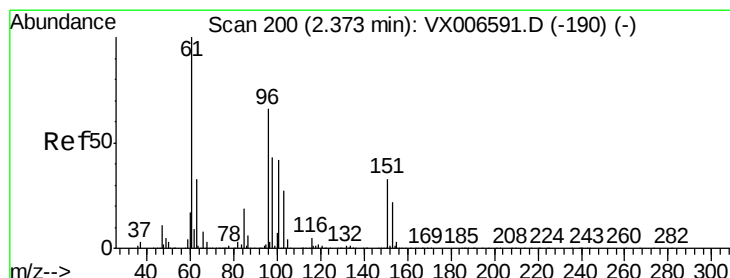
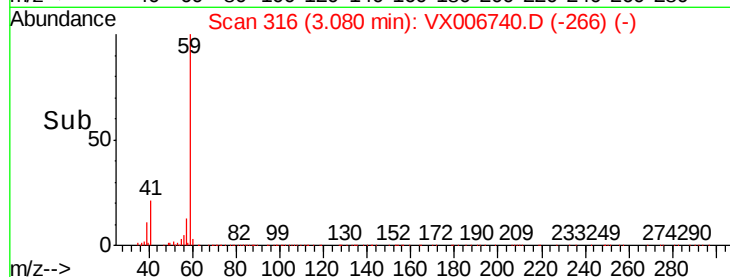
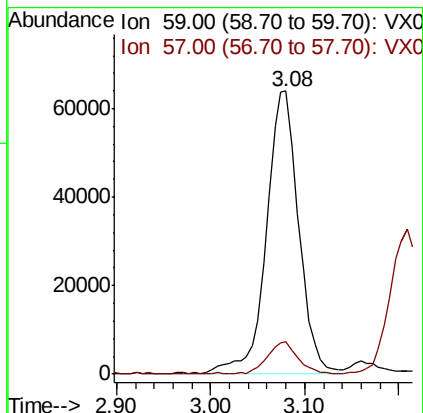
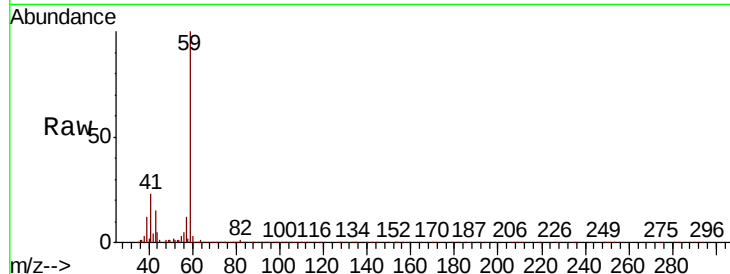


#11

Tert butyl alcohol
Concen: 117.152 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

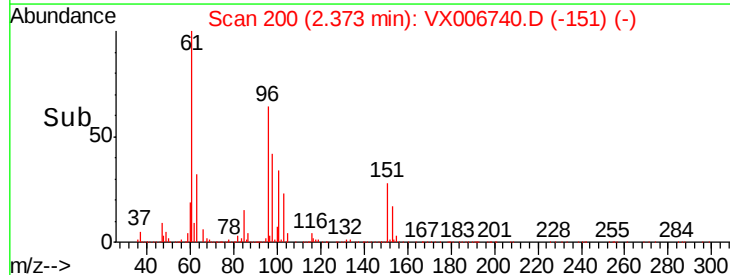
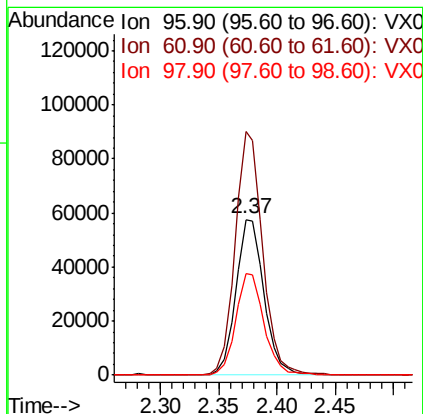
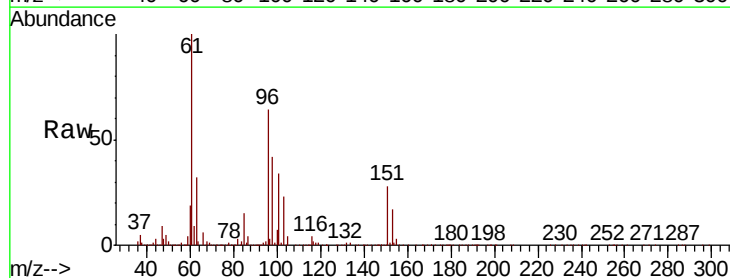
Tot Ion: 59 Resp: 153203
Ion Ratio Lower Upper
59 100
57 10.7 8.5 12.7

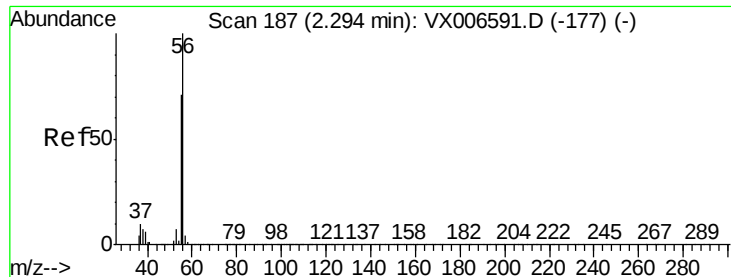


#12

1,1-Dichloroethene
Concen: 19.864 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion: 96 Resp: 96493
Ion Ratio Lower Upper
96 100
61 156.1 121.4 182.2
98 65.0 51.9 77.9

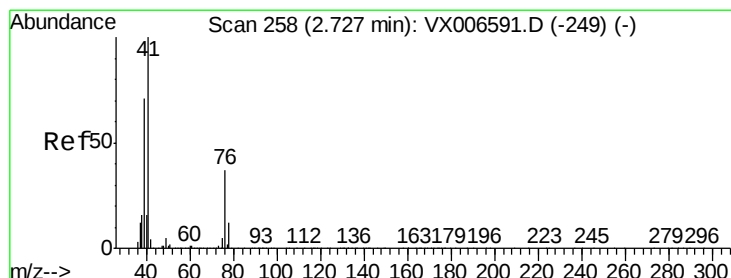
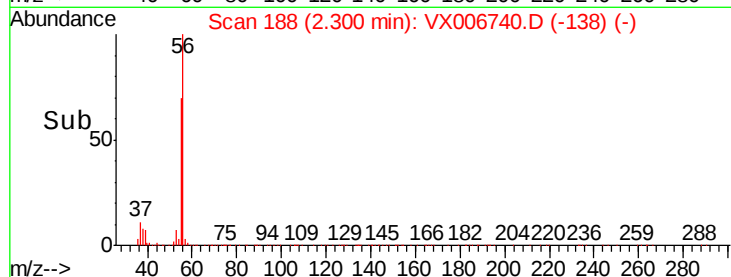
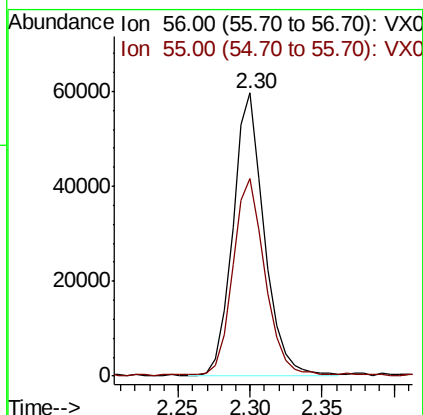
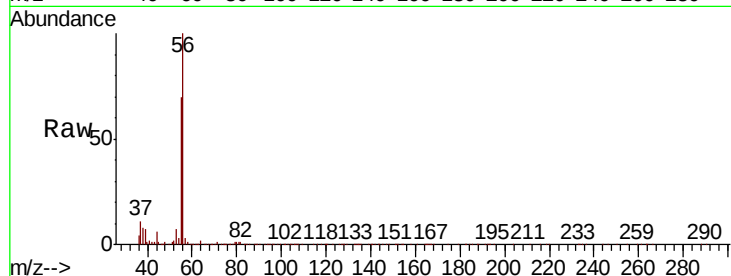




#13
Acrolein
Concen: 101.706 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

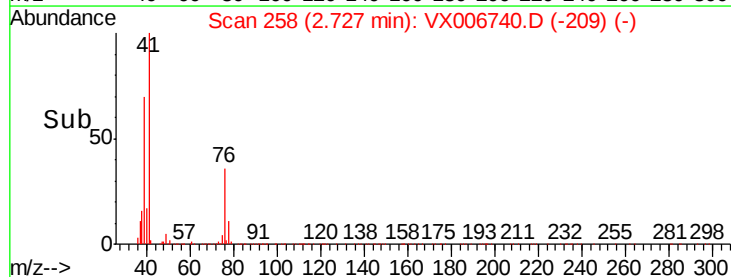
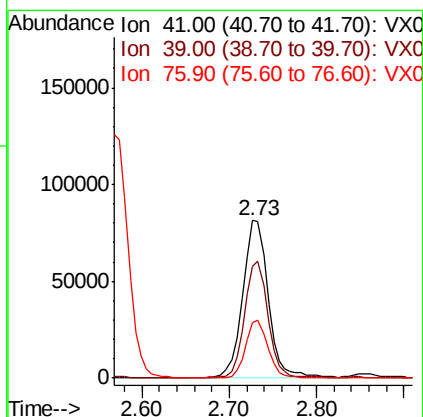
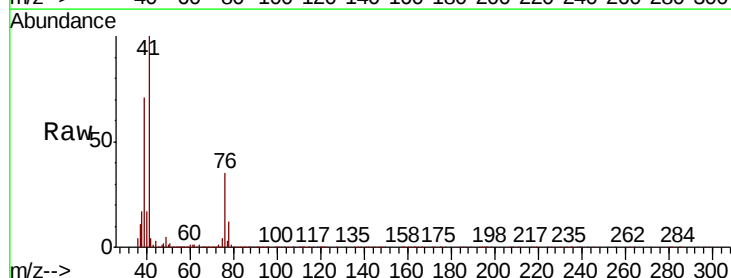
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

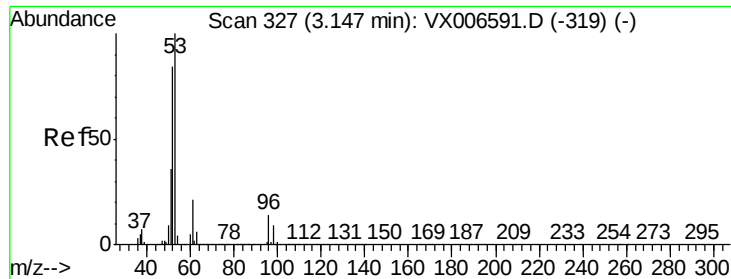
Tot Ion: 56 Resp: 89725
Ion Ratio Lower Upper
56 100
55 71.8 58.2 87.4



#14
Allyl chloride
Concen: 20.008 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion: 41 Resp: 163604
Ion Ratio Lower Upper
41 100
39 67.6 53.6 80.4
76 32.0 27.4 41.2





#15

Acrylonitrile

Concen: 113.793 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

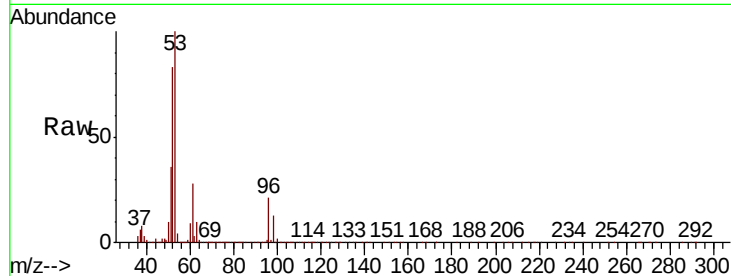
Tot Ion: 53 Resp: 330405

Ion Ratio Lower Upper

53 100

52 83.0 66.0 99.0

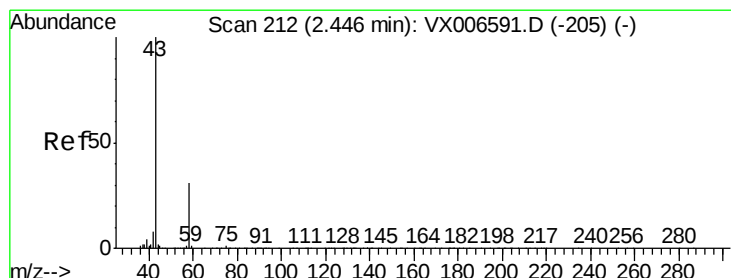
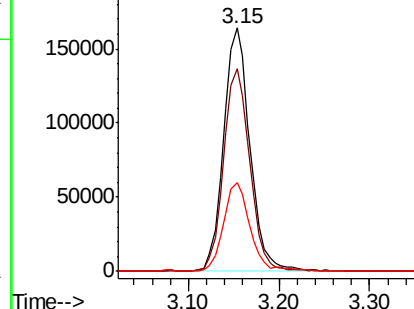
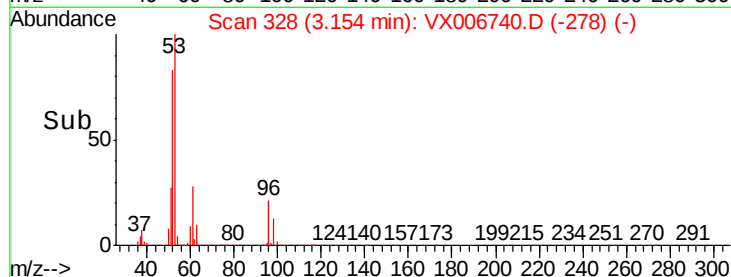
51 36.7 28.6 42.8



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: 103.094 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX006740.D

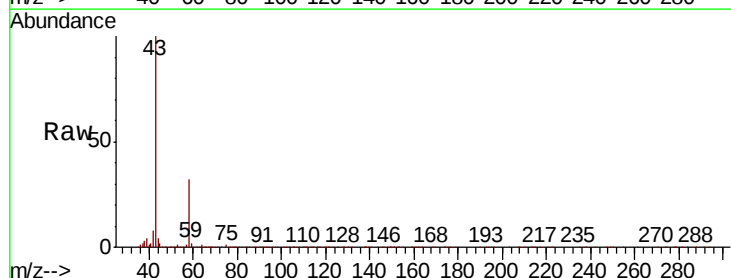
Acq: 21 Dec 2018 23:31

Tgt Ion: 43 Resp: 277543

Ion Ratio Lower Upper

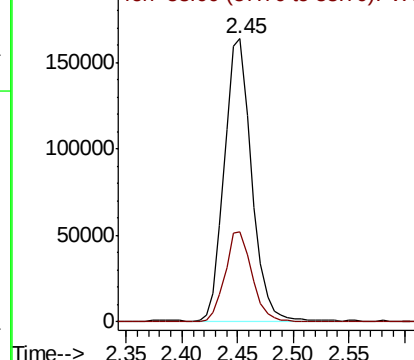
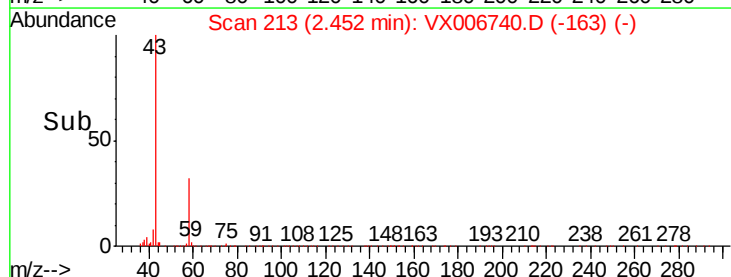
43 100

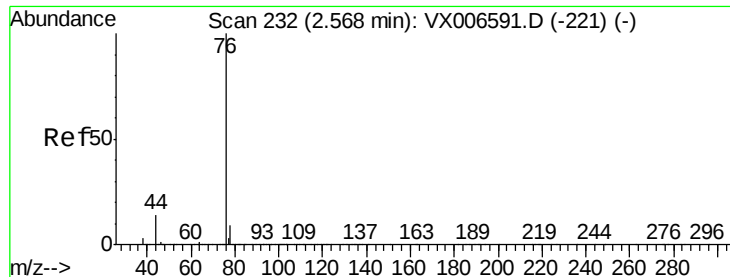
58 31.9 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 16.766 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

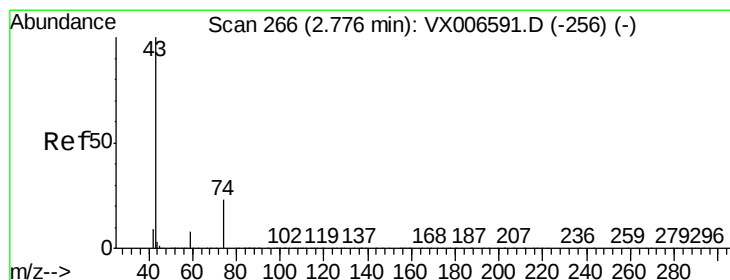
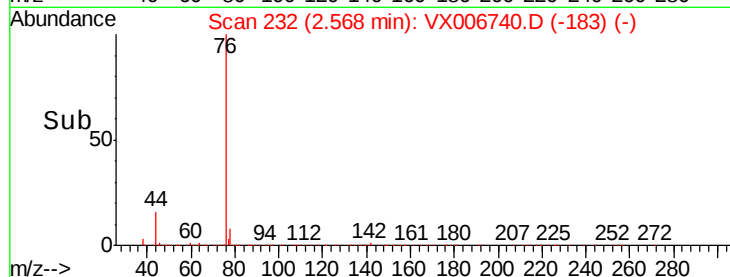
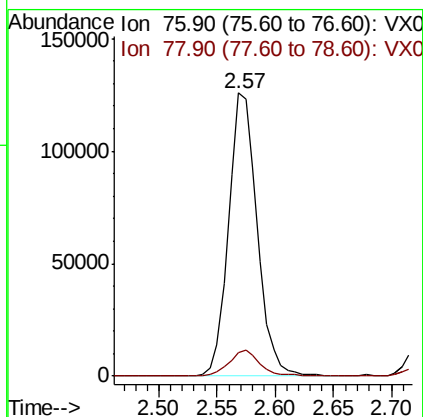
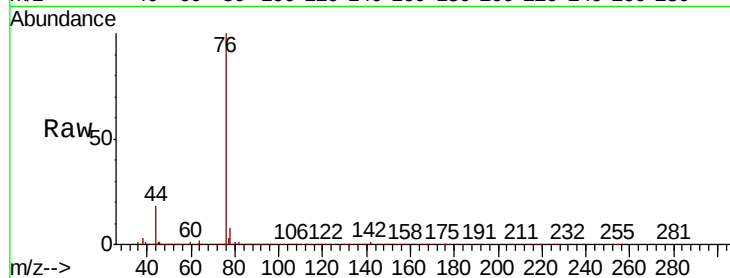
VX1221WBSD02

Tot Ion: 76 Resp: 215540

Ion Ratio Lower Upper

76 100

78 8.3 7.0 10.6



#18

Methyl Acetate

Concen: 24.267 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006740.D

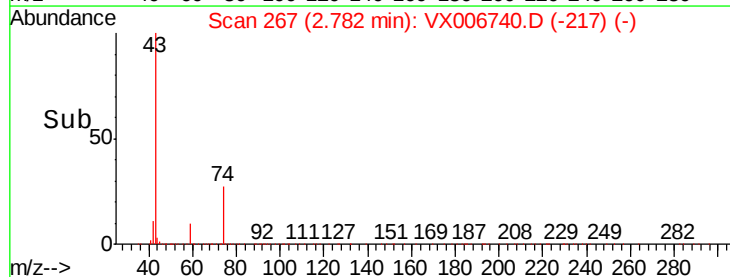
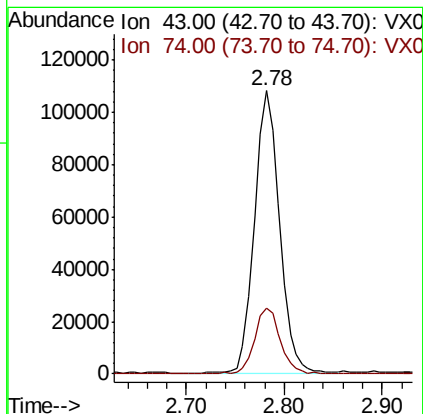
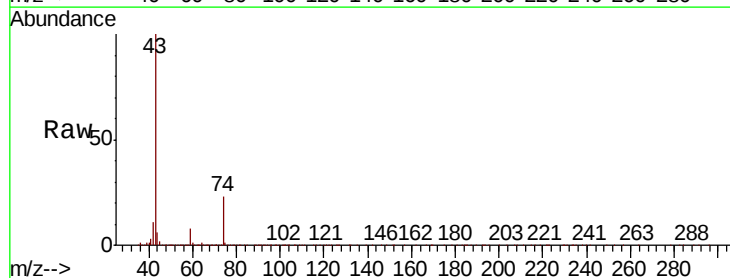
Acq: 21 Dec 2018 23:31

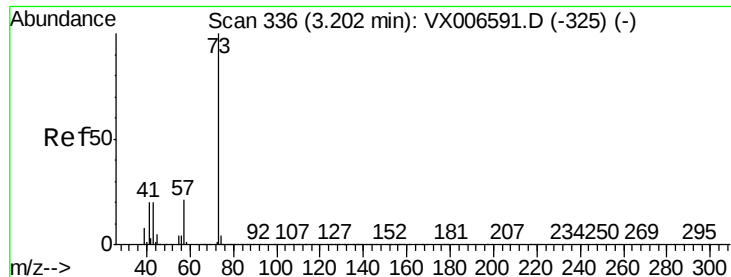
Tgt Ion: 43 Resp: 192102

Ion Ratio Lower Upper

43 100

74 24.2 18.6 28.0



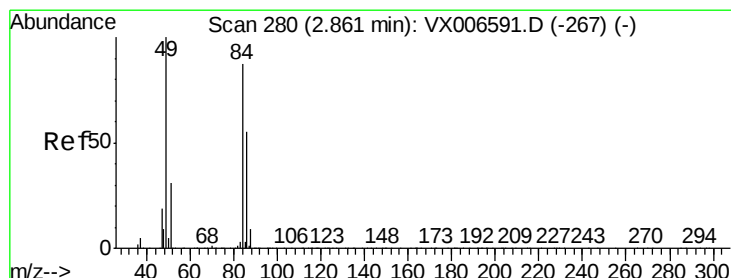
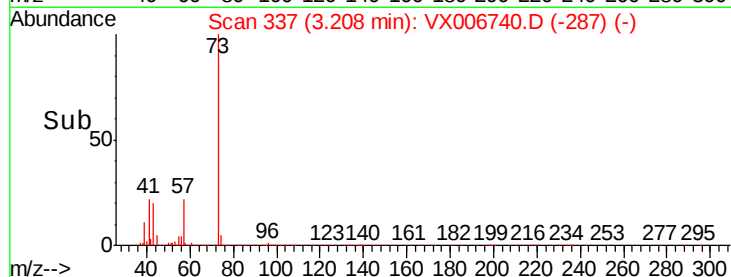
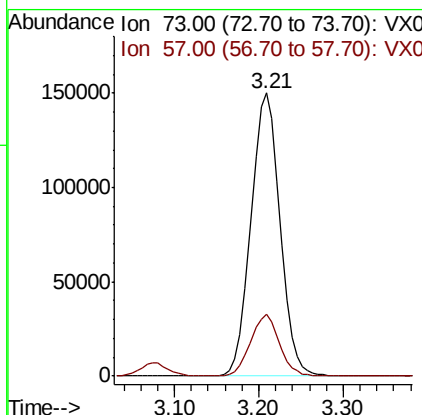
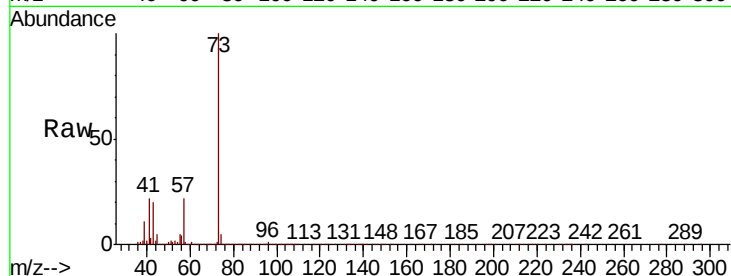


#19

Methyl tert-butyl Ether
 Concen: 21.798 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX006740.D
 Acq: 21 Dec 2018 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD02

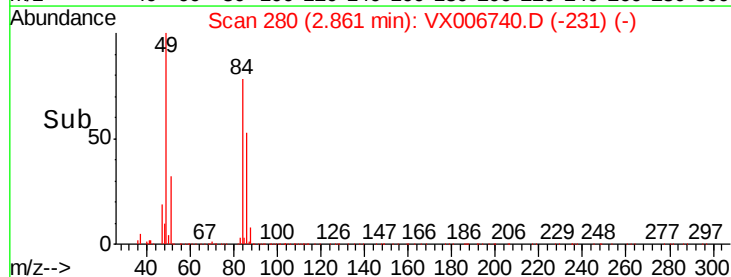
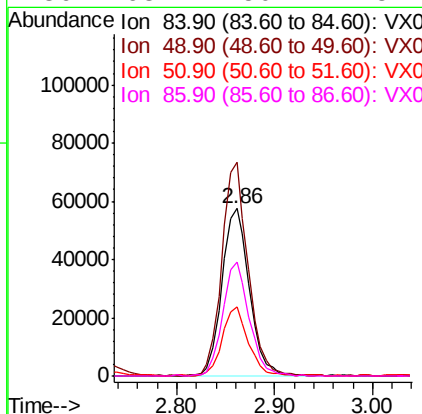
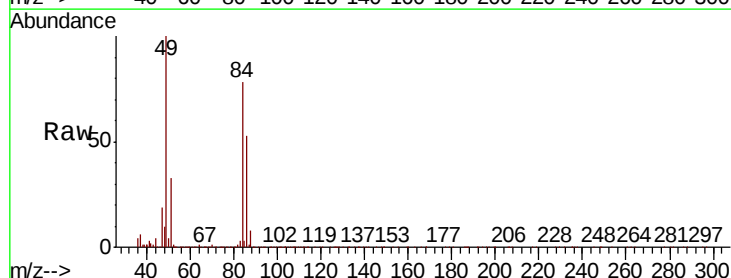
Tot Ion: 73 Resp: 351449
 Ion Ratio Lower Upper
 73 100
 57 21.8 16.8 25.2

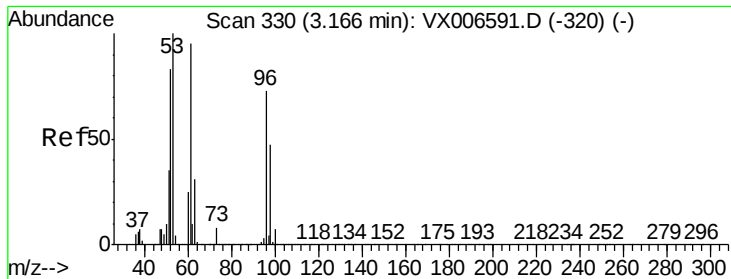


#20

Methylene Chloride
 Concen: 19.924 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX006740.D
 Acq: 21 Dec 2018 23:31

Tgt Ion: 84 Resp: 110914
 Ion Ratio Lower Upper
 84 100
 49 127.3 91.8 137.6
 51 41.3 28.5 42.7
 86 68.2 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 19.851 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

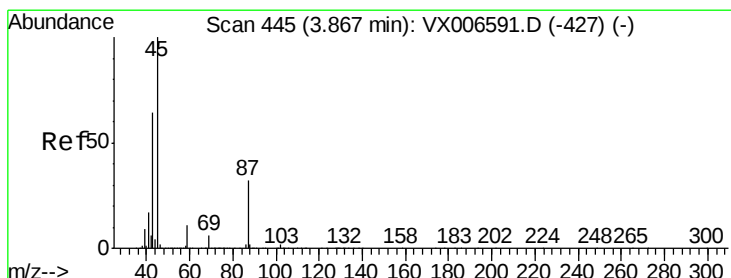
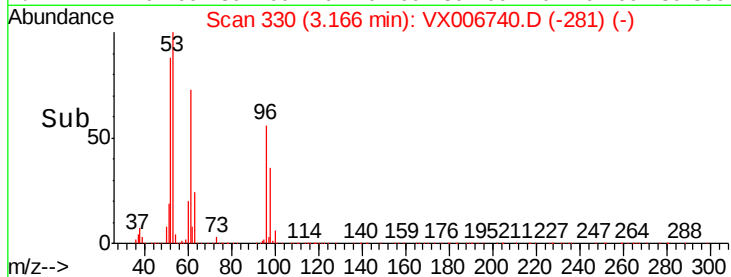
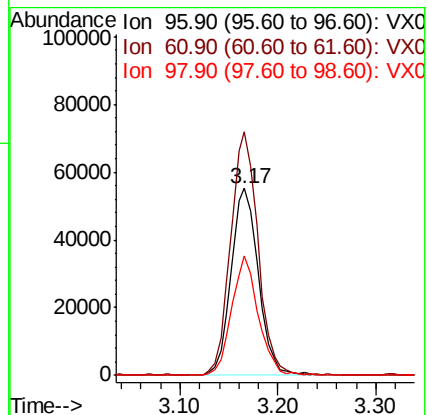
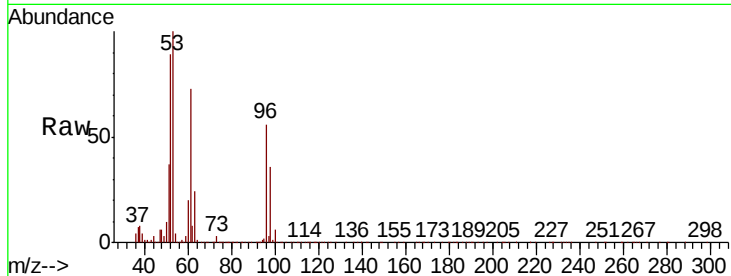
Tot Ion: 96 Resp: 106847

Ion Ratio Lower Upper

96 100

61 130.0 103.7 155.5

98 63.5 51.0 76.6



#22

Diisopropyl ether

Concen: 21.248 ug/l

RT: 3.88 min Scan# 447

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Tgt Ion: 45 Resp: 317848

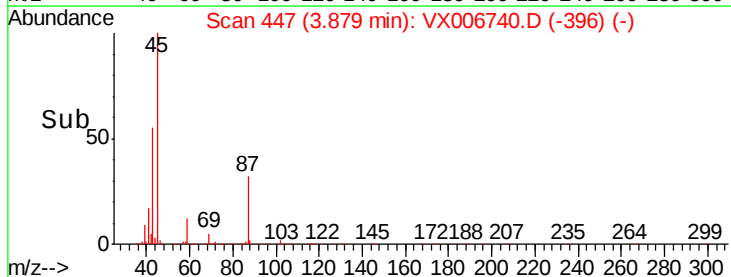
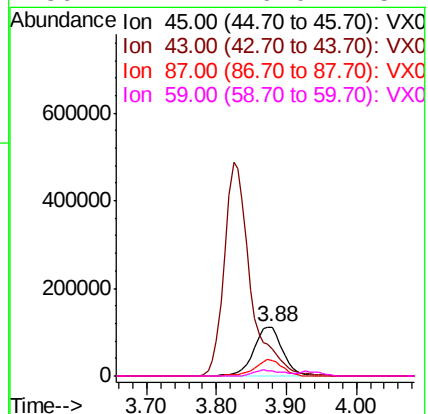
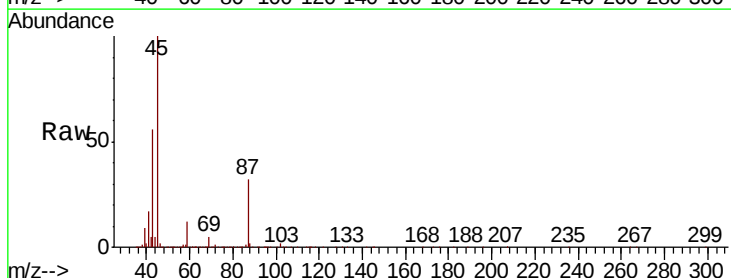
Ion Ratio Lower Upper

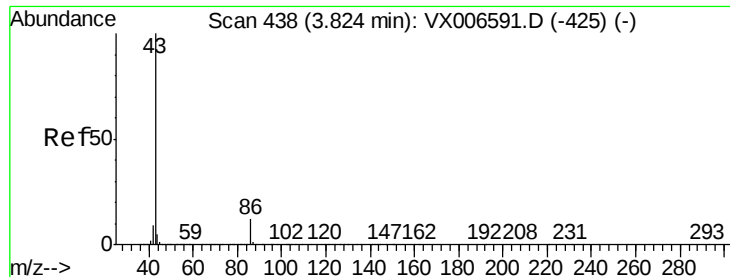
45 100

43 55.4 51.2 76.8

87 32.0 25.8 38.6

59 11.4 9.0 13.4





#23

Vinyl Acetate

Concen: 103.566 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

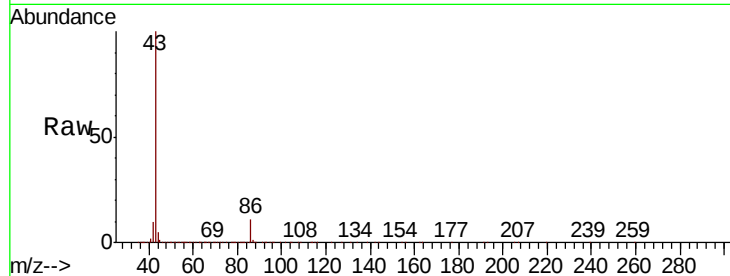
VX1221WBSD02

Tot Ion: 43 Resp: 1267220

Ion Ratio Lower Upper

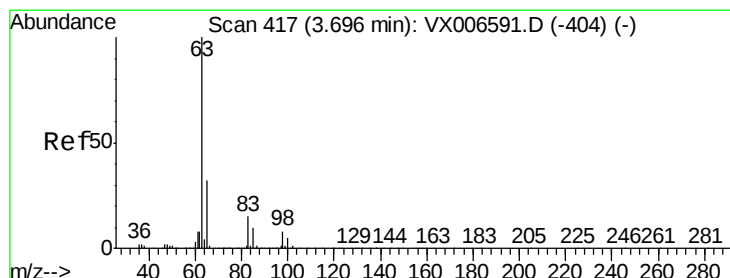
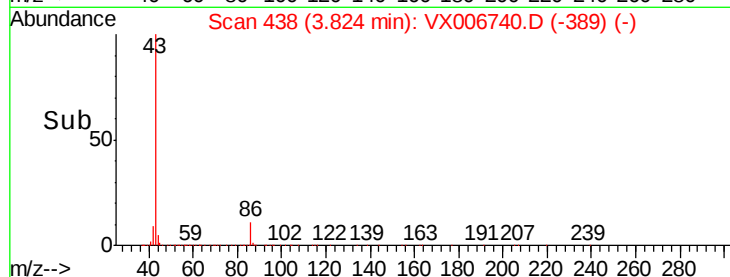
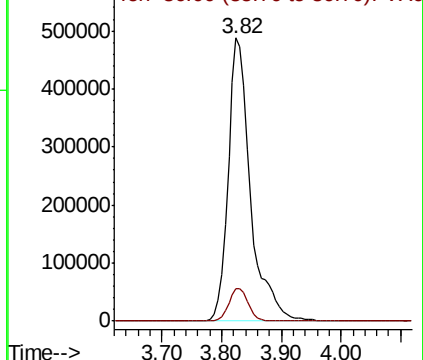
43 100

86 11.3 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.207 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

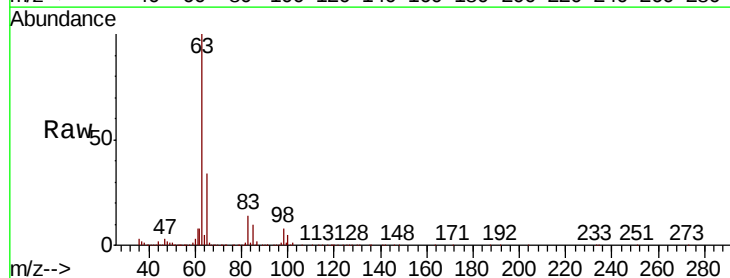
Tgt Ion: 63 Resp: 180443

Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.5

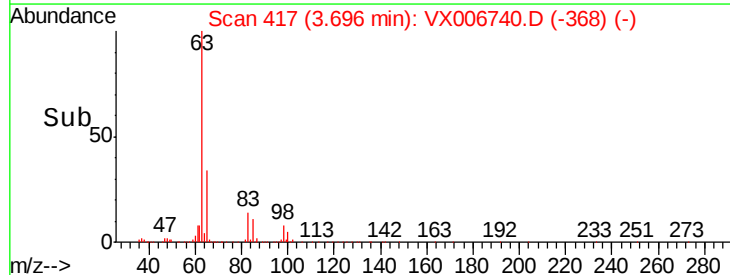
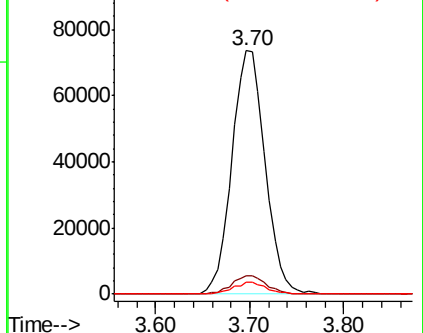
100 4.9 2.4 7.2

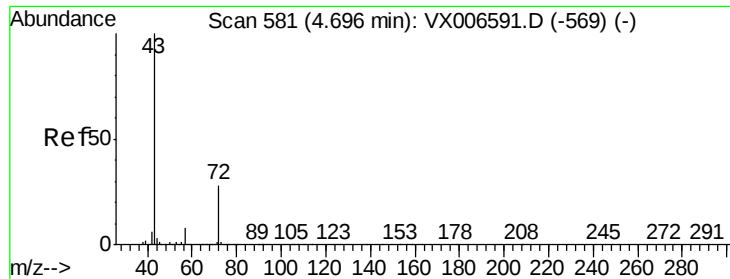


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 108.041 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

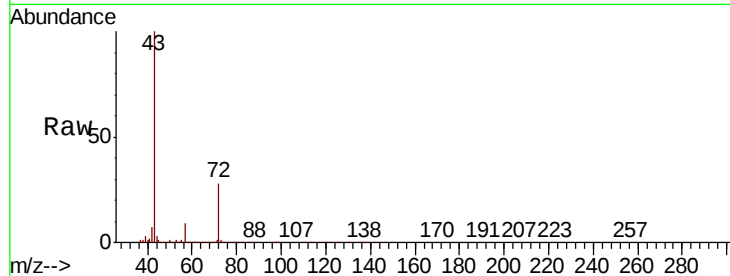
VX1221WBSD02

Tot Ion: 43 Resp: 409131

Ion Ratio Lower Upper

43 100

72 27.7 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

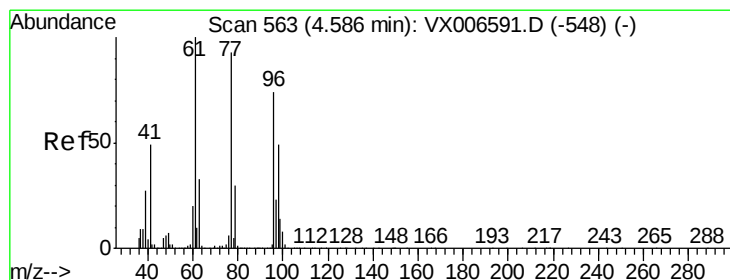
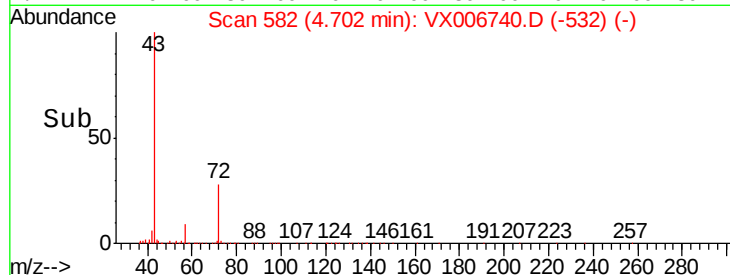
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 12.761 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006740.D

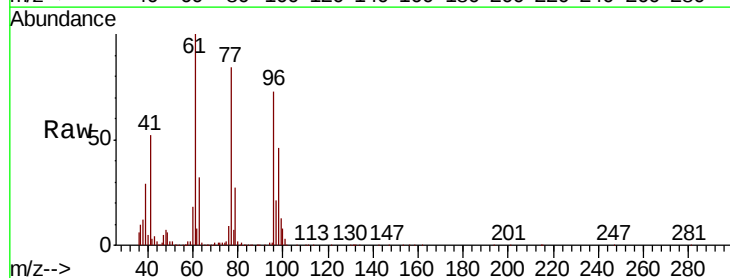
Acq: 21 Dec 2018 23:31

Tgt Ion: 77 Resp: 88026

Ion Ratio Lower Upper

77 100

97 28.3 12.4 37.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

25000

20000

15000

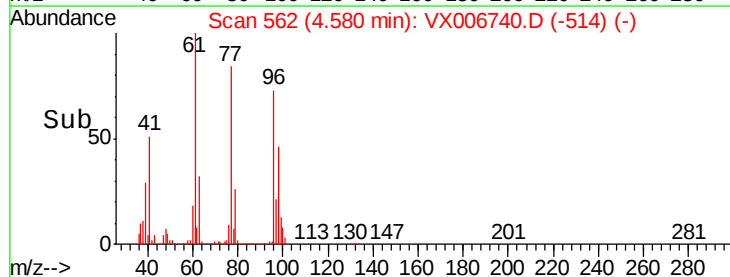
10000

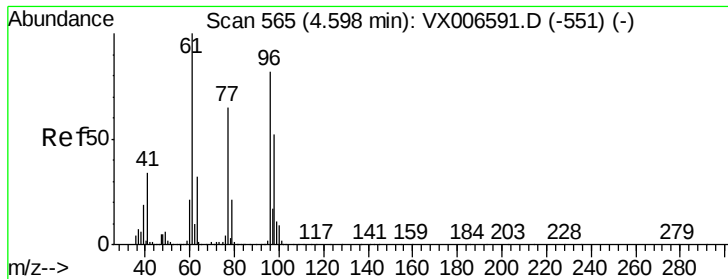
5000

0

4.40 4.50 4.60 4.70

Time-->



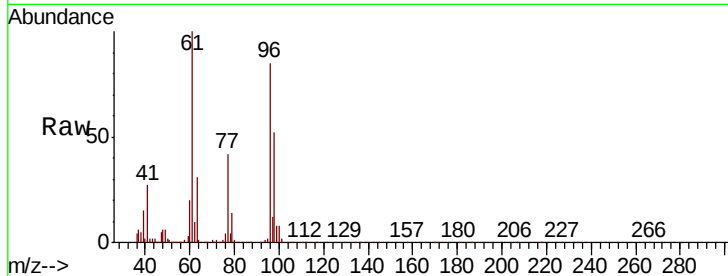


#27

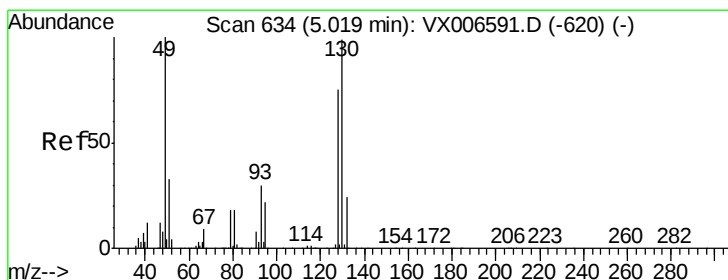
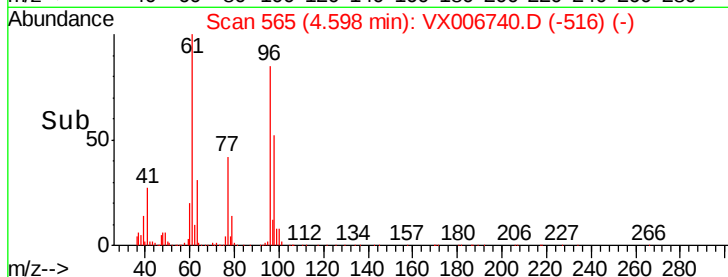
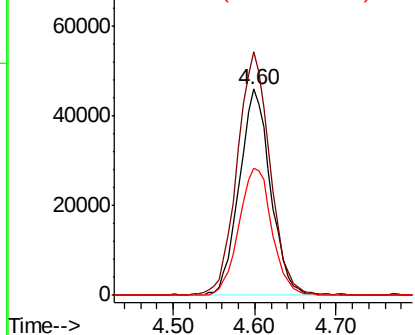
cis-1,2-Dichloroethene
 Concen: 20.555 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX006740.D
 Acq: 21 Dec 2018 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.7	0.0	258.6
98	65.6	0.0	132.0



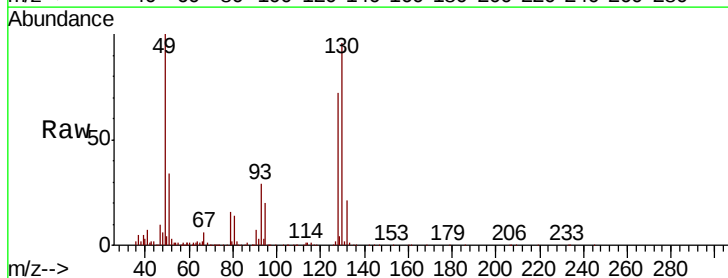
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



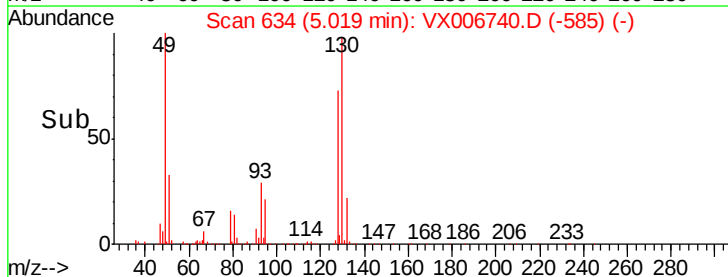
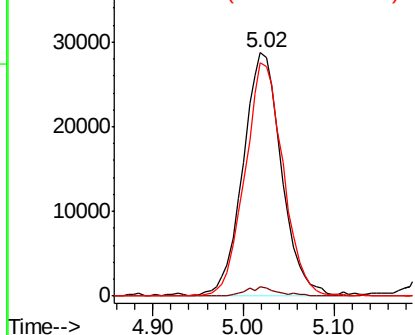
#28

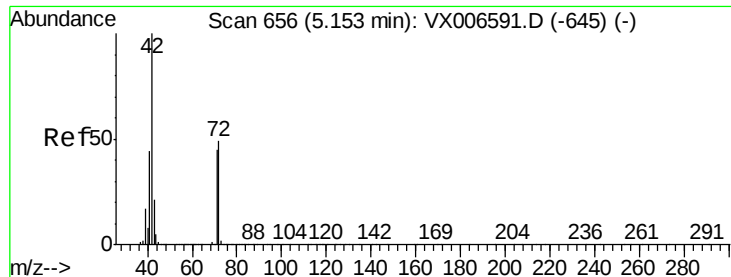
Bromochloromethane
 Concen: 21.227 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX006740.D
 Acq: 21 Dec 2018 23:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.4
130	95.8	77.7	116.5



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





#29

Tetrahydrofuran

Concen: 113.003 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

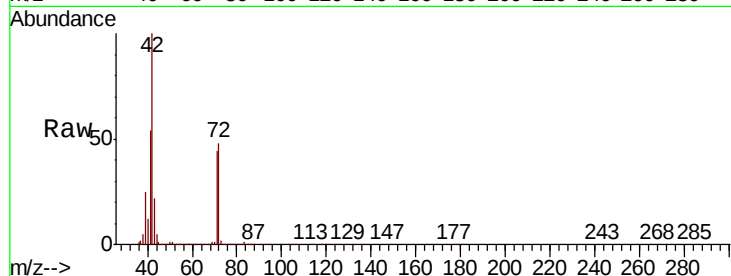
Tot Ion: 42 Resp: 281845

Ion Ratio Lower Upper

42 100

72 47.5 38.9 58.3

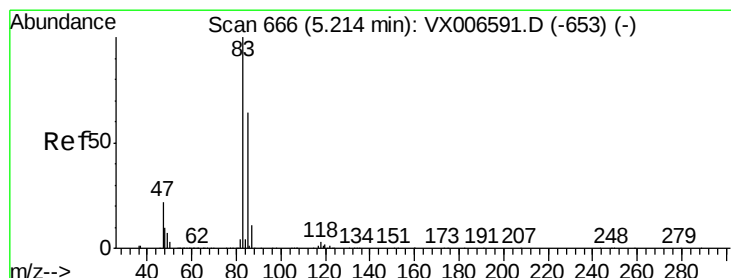
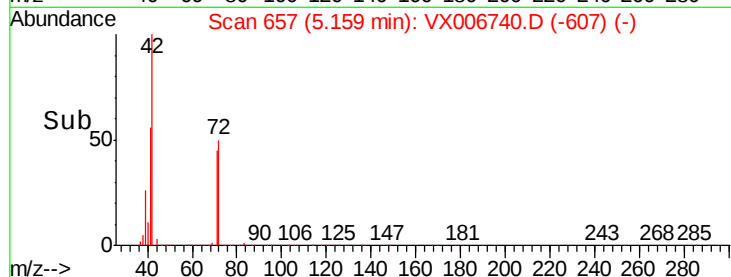
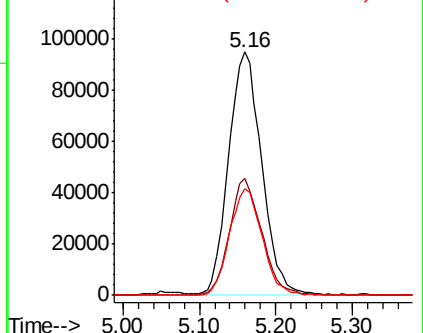
71 43.5 36.2 54.4



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 20.911 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX006740.D

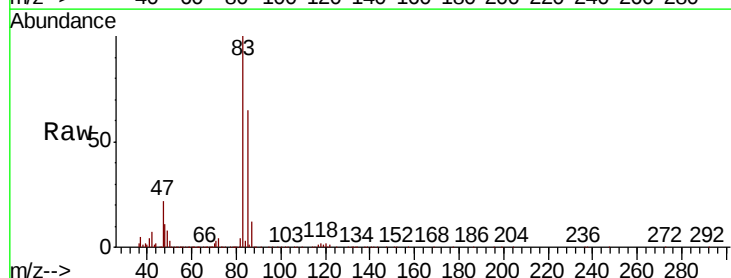
Acq: 21 Dec 2018 23:31

Tgt Ion: 83 Resp: 193367

Ion Ratio Lower Upper

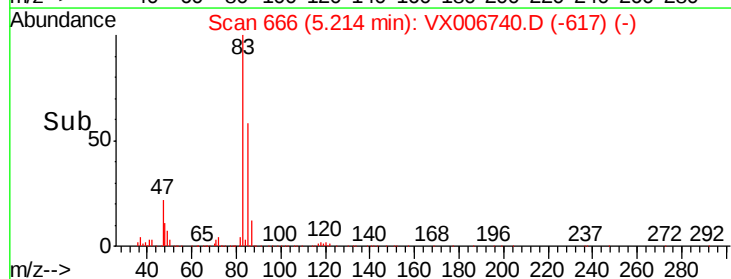
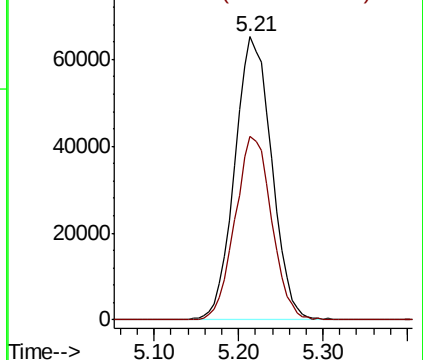
83 100

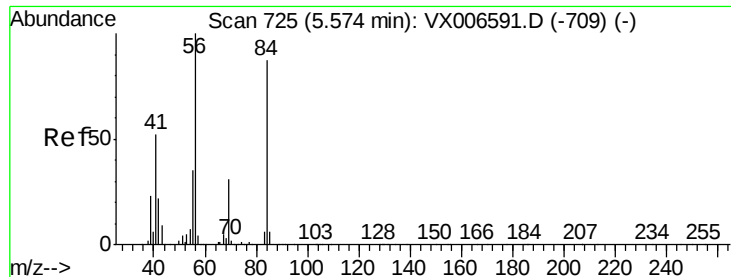
85 64.9 51.2 76.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

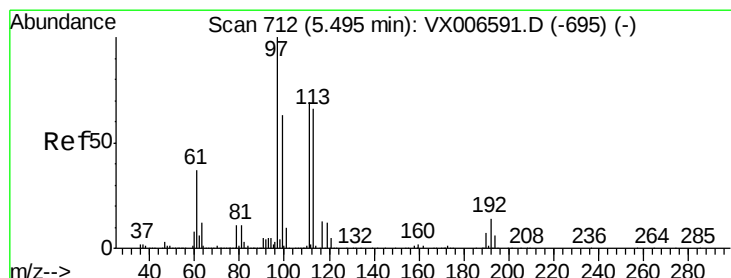
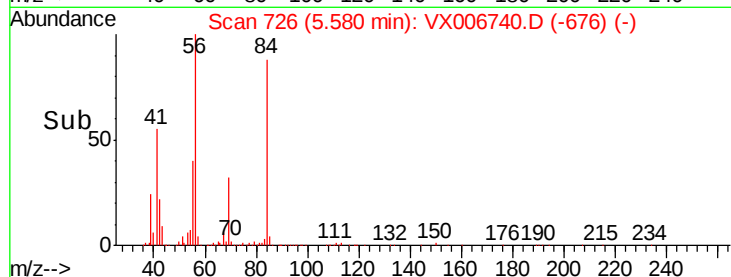
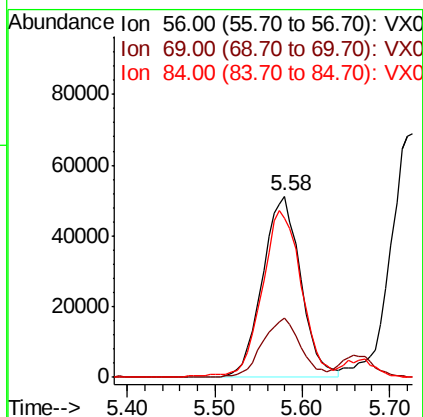
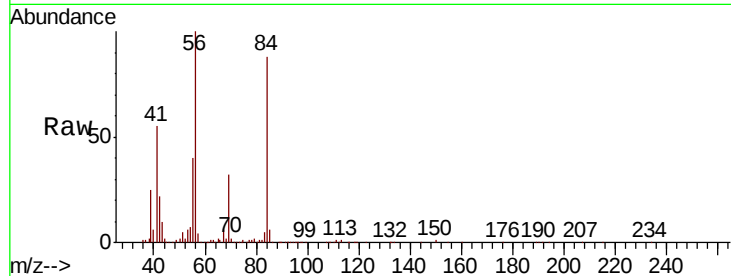




#31
Cyclohexane
Concen: 19.167 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

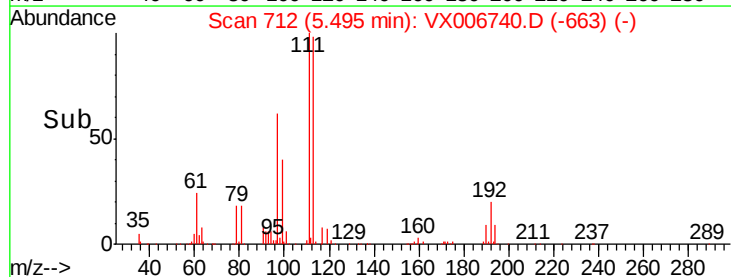
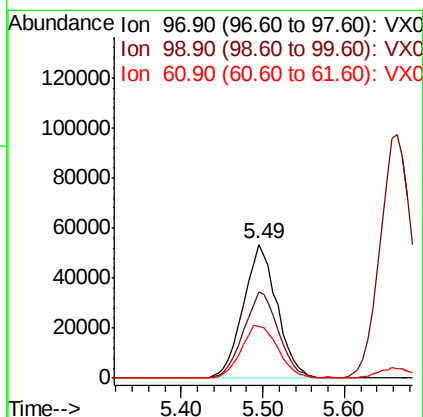
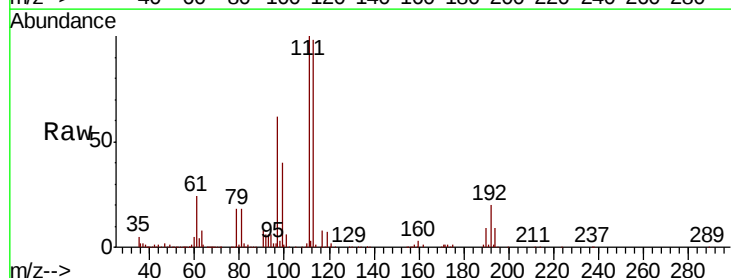
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

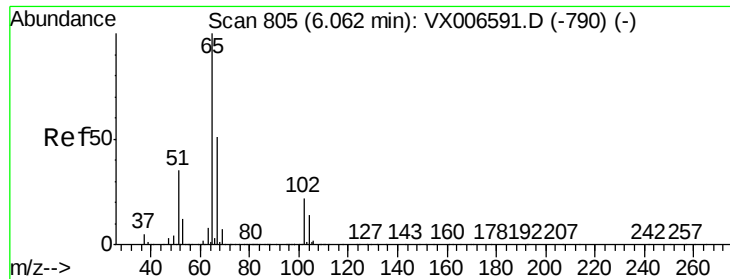
Tot Ion: 56 Resp: 155491
Ion Ratio Lower Upper
56 100
69 32.4 24.4 36.6
84 87.2 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 19.690 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion: 97 Resp: 153747
Ion Ratio Lower Upper
97 100
99 66.5 51.7 77.5
61 42.2 31.3 46.9

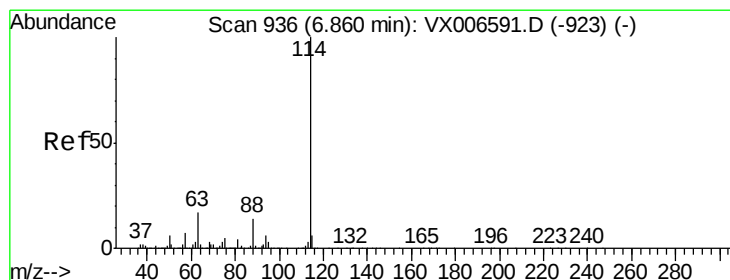
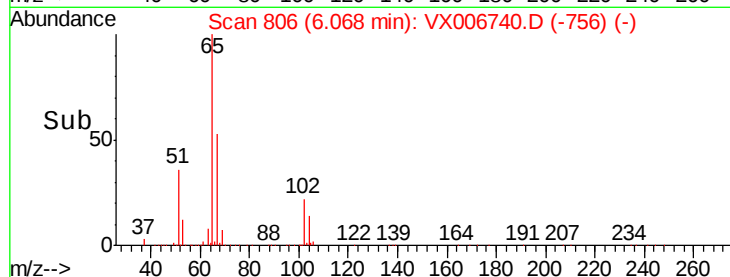
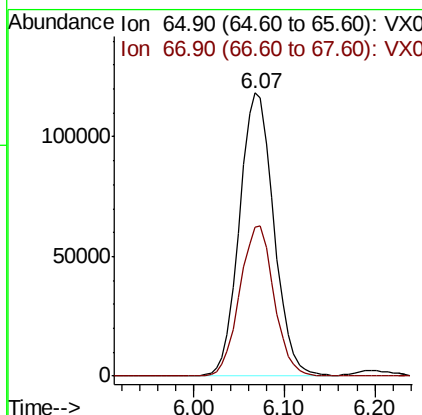
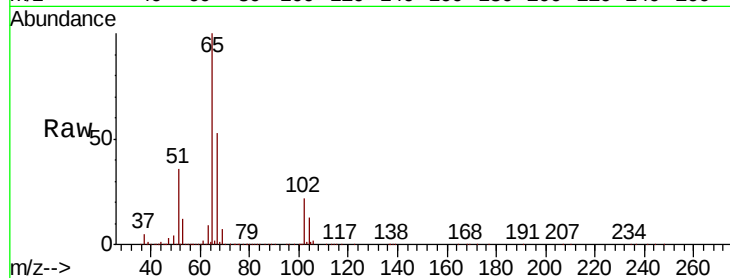




#33
 1,2-Dichloroethane-d4
 Concen: 53.000 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006740.D
 Acq: 21 Dec 2018 23:31

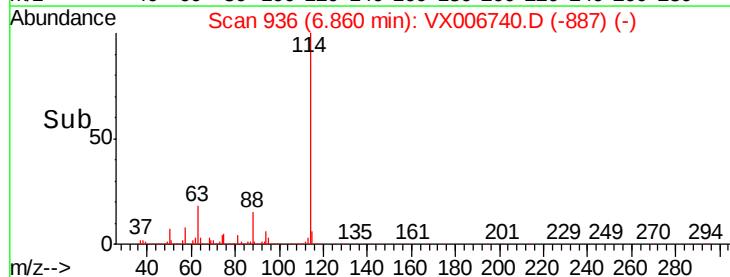
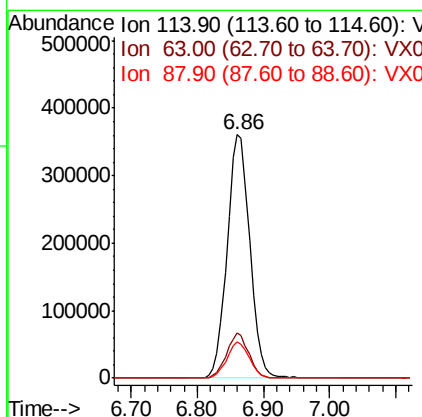
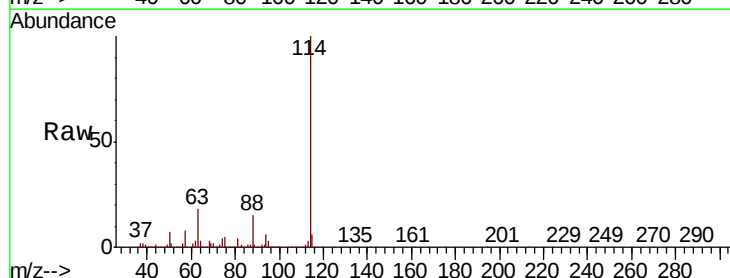
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD02

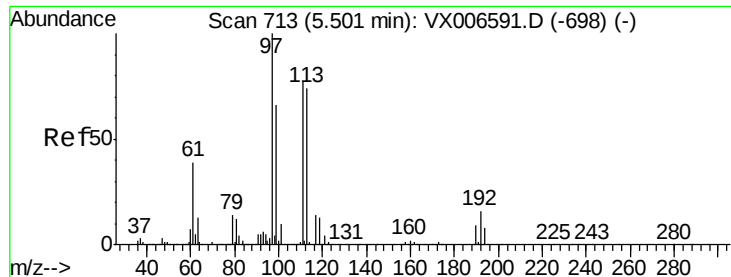
Tot Ion: 65 Resp: 310567
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006740.D
 Acq: 21 Dec 2018 23:31

Tgt Ion: 114 Resp: 857767
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 34.8
 88 14.9 0.0 28.8





#35

Dibromofluoromethane

Concen: 51.230 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

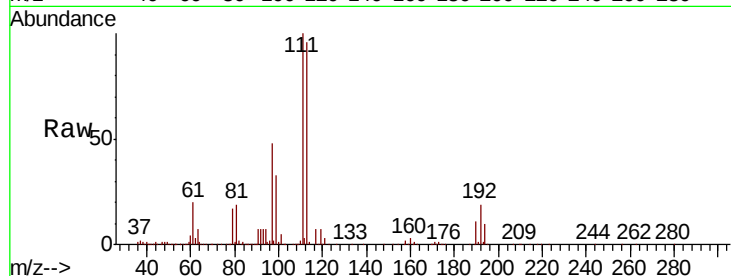
Tot Ion:113 Resp: 277891

Ion Ratio Lower Upper

113 100

111 101.7 81.6 122.4

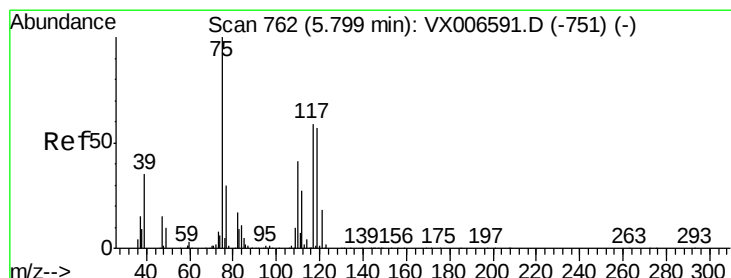
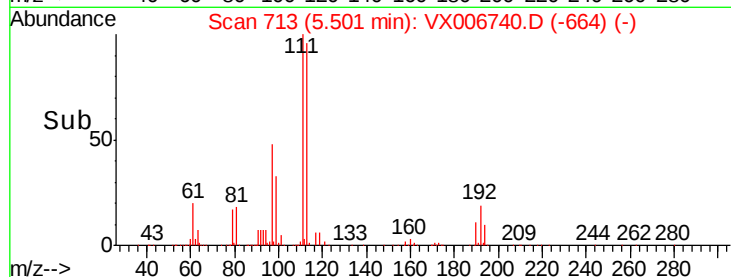
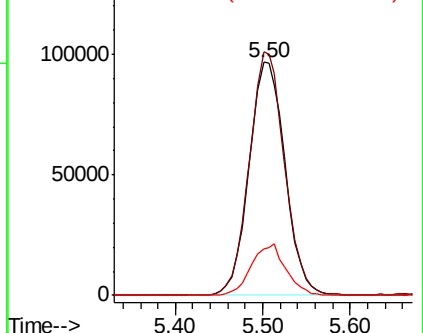
192 21.0 16.7 25.1



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: 19.453 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

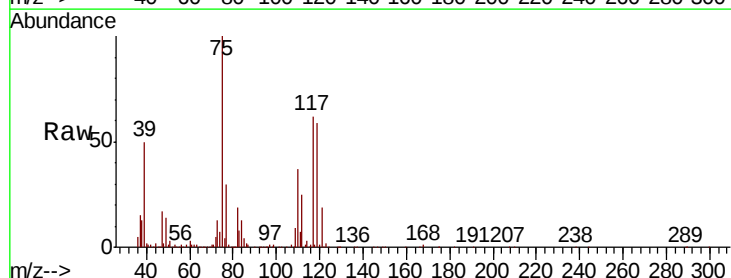
Tgt Ion: 75 Resp: 138197

Ion Ratio Lower Upper

75 100

110 40.8 20.2 60.5

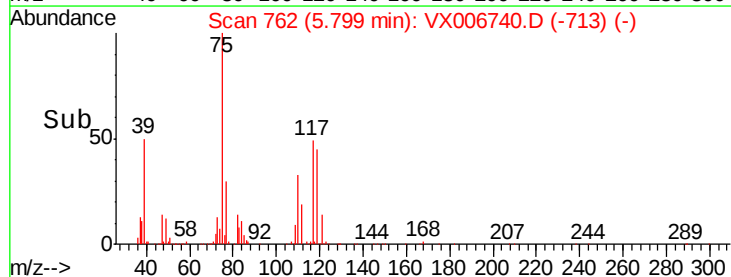
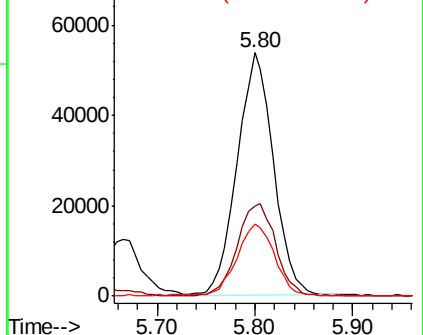
77 30.8 24.8 37.2

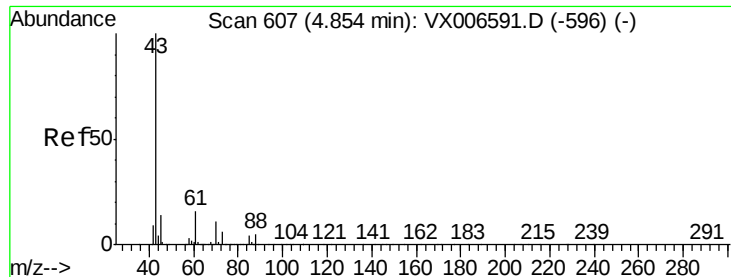


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

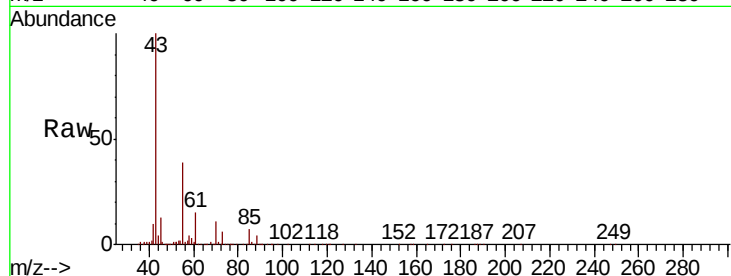




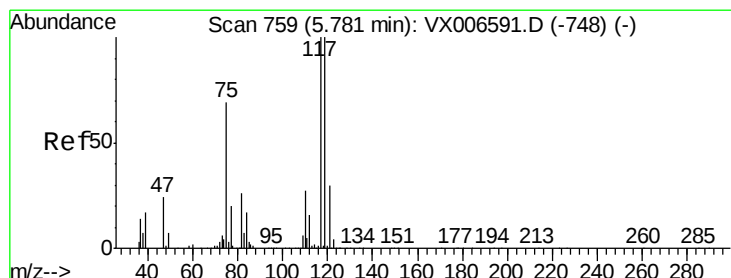
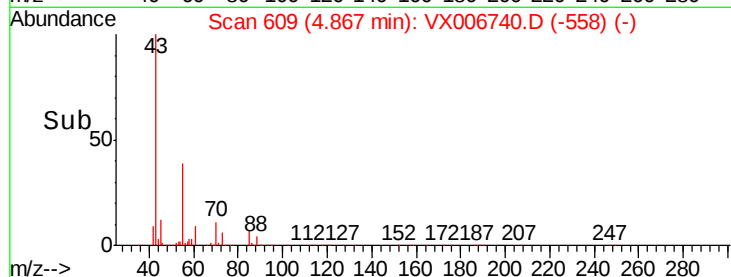
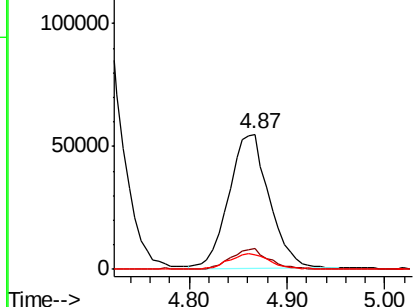
#37
Ethyl Acetate
Concen: 21.225 ug/l
RT: 4.87 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

Tot Ion: 43 Resp: 156945
Ion Ratio Lower Upper
43 100
61 14.5 11.9 17.9
70 11.9 9.7 14.5

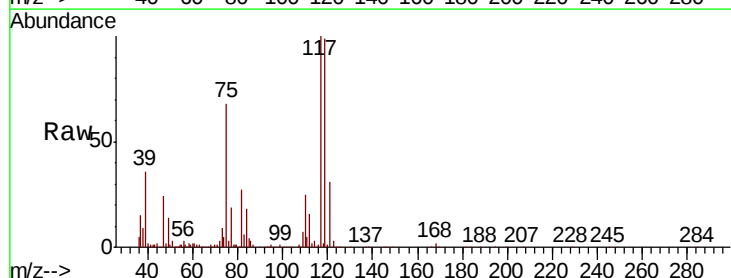


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

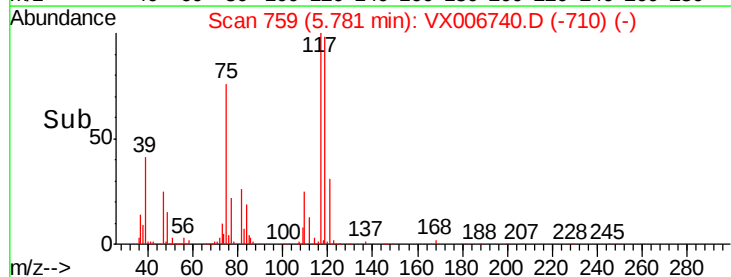
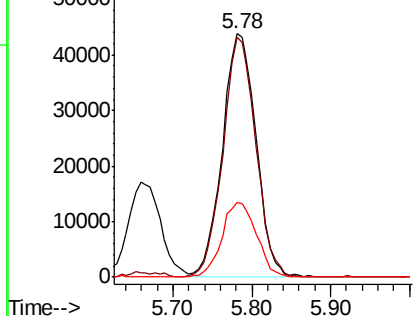


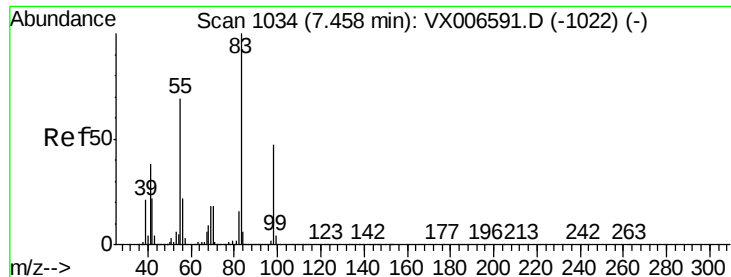
#38
Carbon Tetrachloride
Concen: 18.857 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion: 117 Resp: 130191
Ion Ratio Lower Upper
117 100
119 98.4 79.4 119.2
121 30.9 24.0 36.0



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

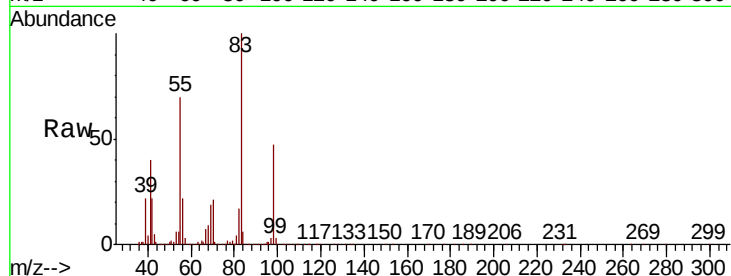




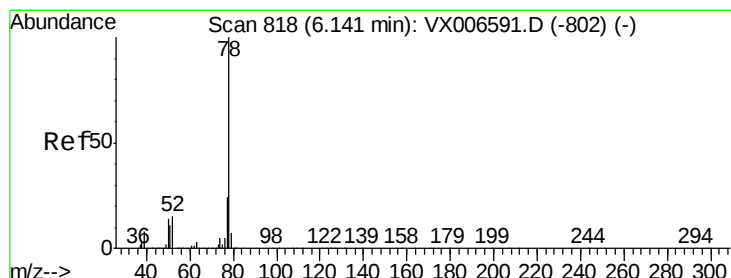
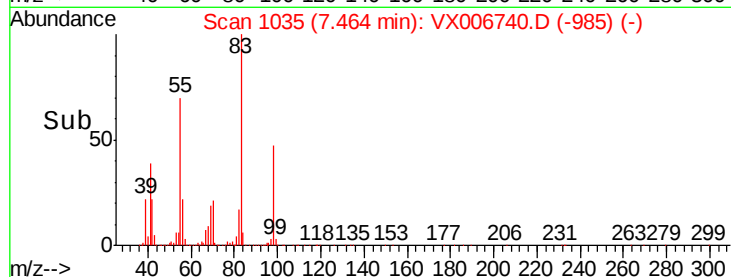
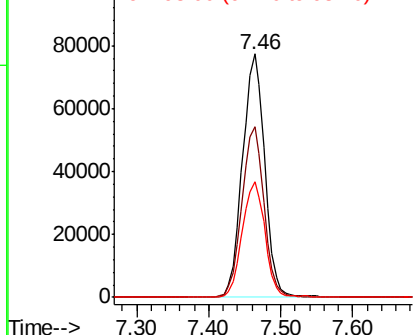
#39
Methvlcvclohexane
Concen: 17.734 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

Tot Ion	83.00	Resp	165865
Ion	Ratio	Lower	Upper
83	100		
55	70.0	54.9	82.3
98	47.3	37.9	56.9

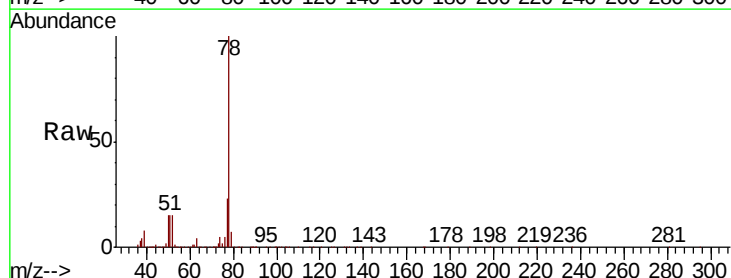


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

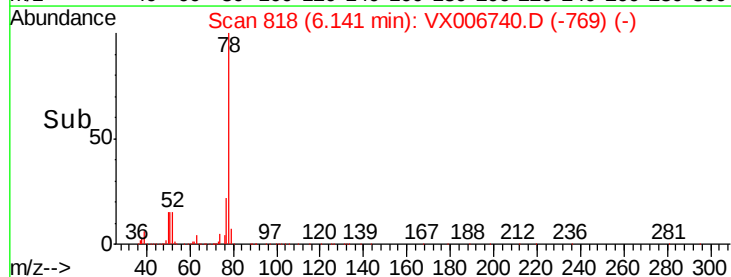
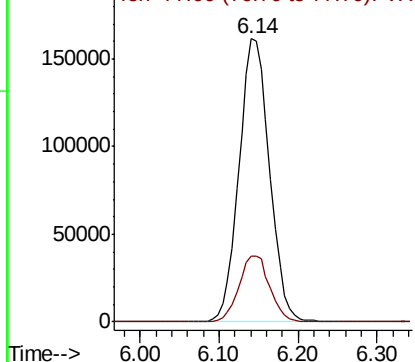


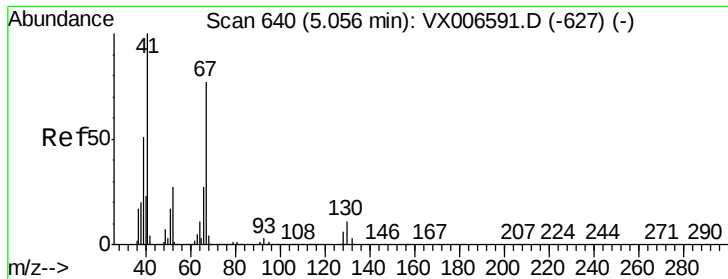
#40
Benzene
Concen: 20.087 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion	78.00	Resp	433772
Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.2	28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 21.321 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

Tot Ion: 41 Resp: 83703

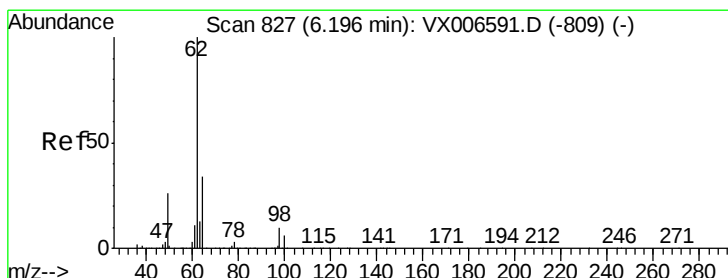
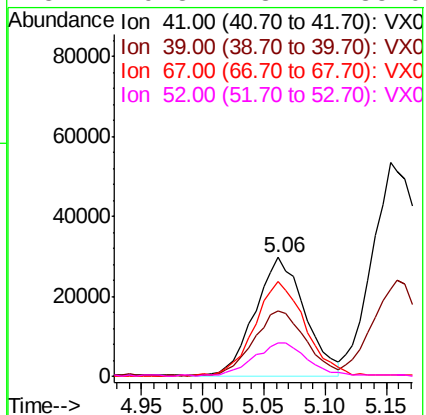
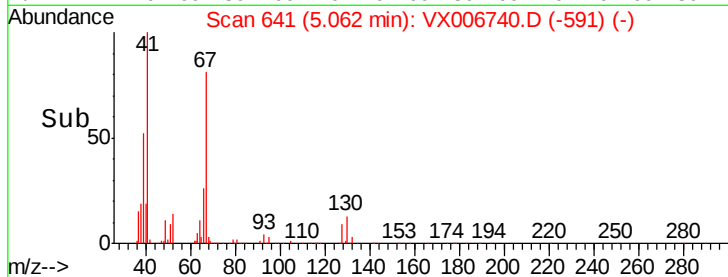
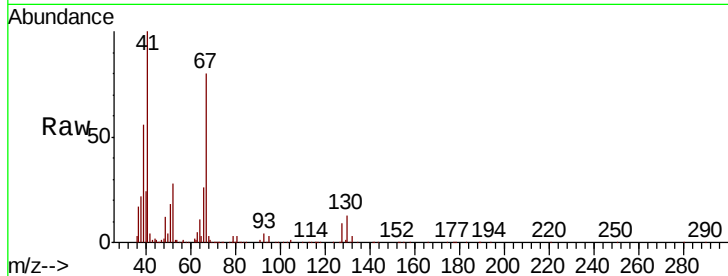
Ion Ratio Lower Upper

41 100

39 57.6 42.8 64.2

67 80.9 62.1 93.1

52 29.8 23.4 35.0



#42

1,2-Dichloroethane

Concen: 20.287 ug/l

RT: 6.20 min Scan# 828

Delta R.T. 0.01 min

Lab File: VX006740.D

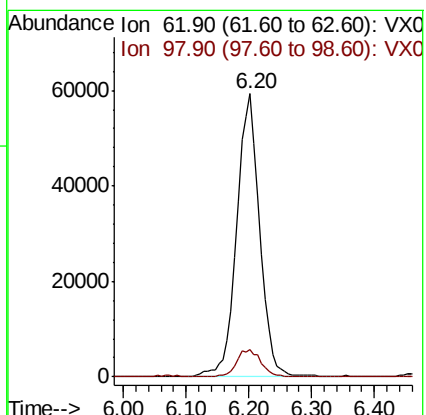
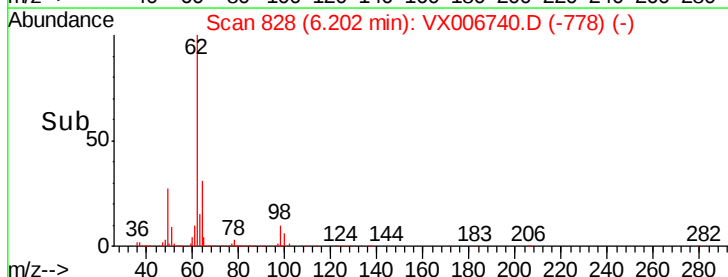
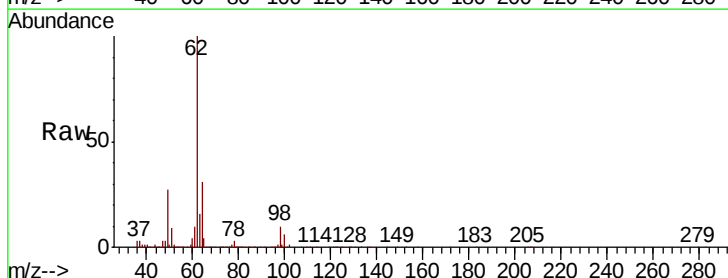
Acq: 21 Dec 2018 23:31

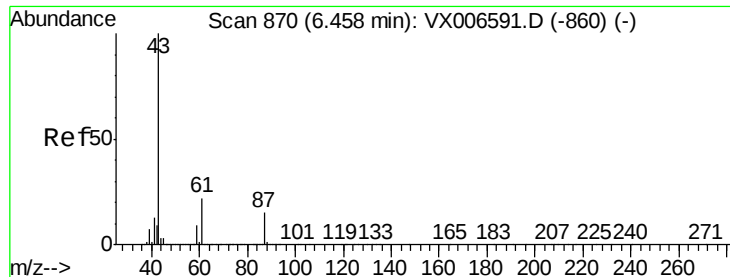
Tgt Ion: 62 Resp: 149279

Ion Ratio Lower Upper

62 100

98 10.4 0.0 20.2



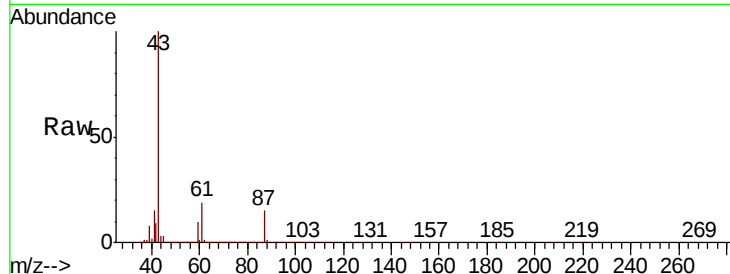


#43

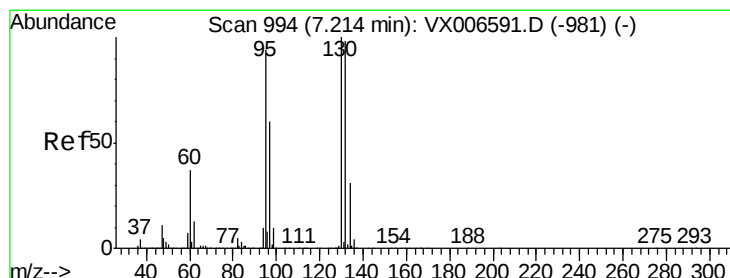
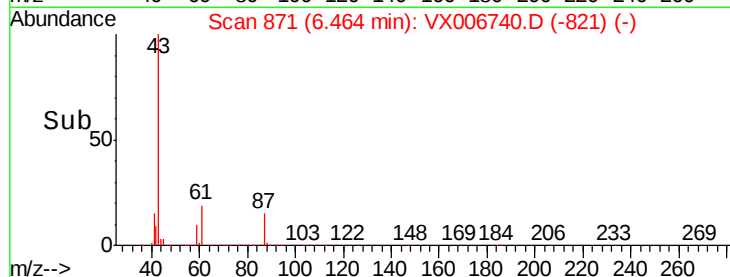
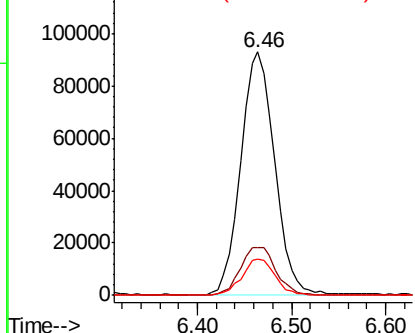
Isopropyl Acetate
 Concen: 20.632 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX006740.D
 Acq: 21 Dec 2018 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD02

Tot Ion: 43 Resp: 232121
 Ion Ratio Lower Upper
 43 100
 61 20.8 16.8 25.2
 87 14.7 12.4 18.6



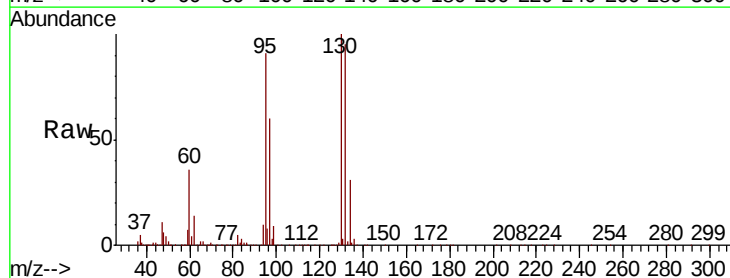
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



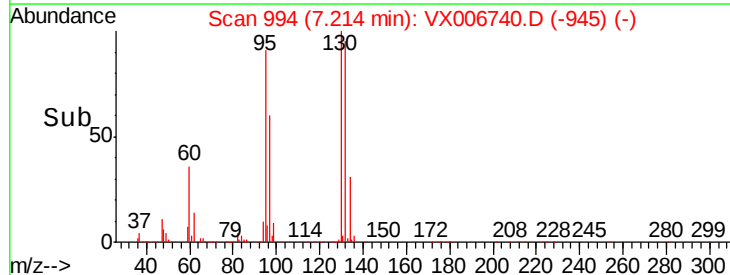
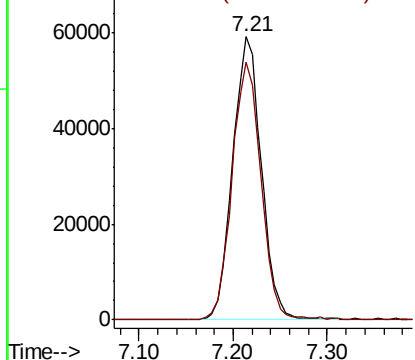
#44

Trichloroethene
 Concen: 19.178 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006740.D
 Acq: 21 Dec 2018 23:31

Tgt Ion:130 Resp: 125349
 Ion Ratio Lower Upper
 130 100
 95 90.9 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: 20.390 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

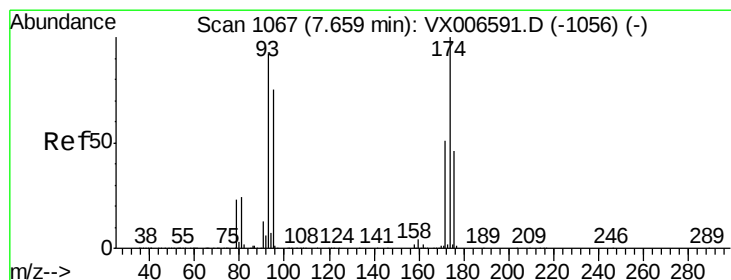
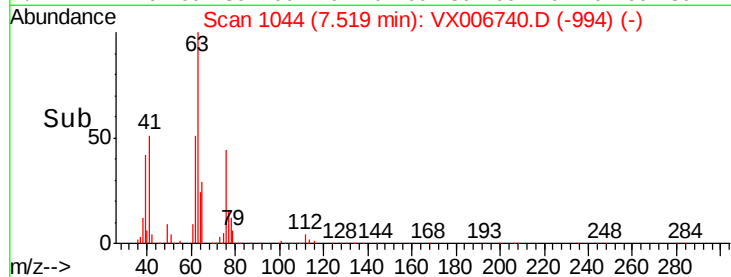
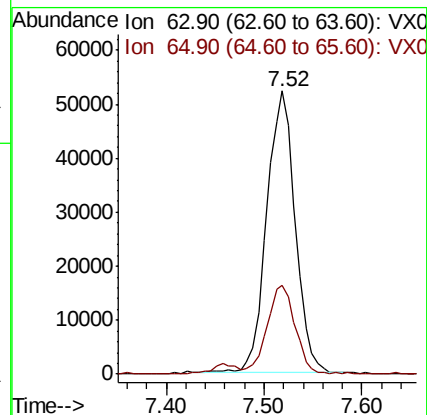
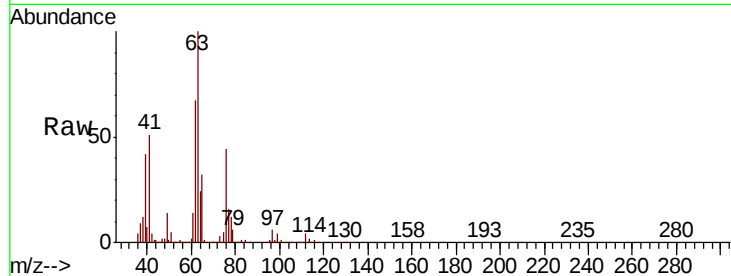
VX1221WBSD02

Tot Ion: 63 Resp: 107149

Ion Ratio Lower Upper

63 100

65 31.1 25.4 38.0



#46

Dibromomethane

Concen: 19.952 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

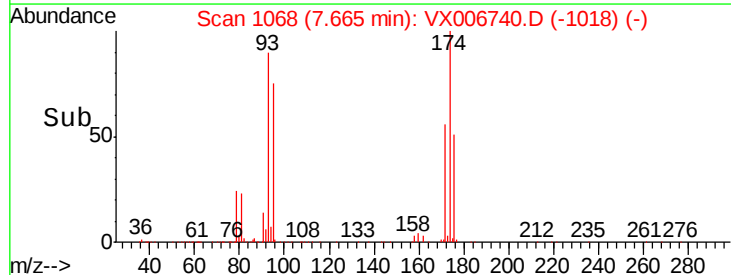
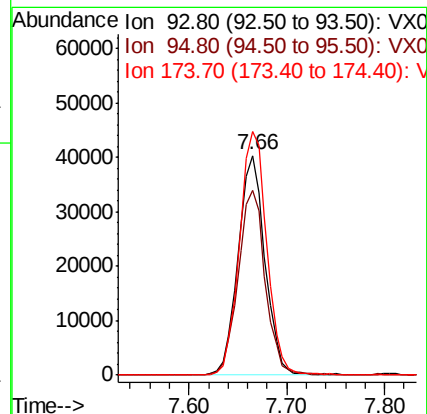
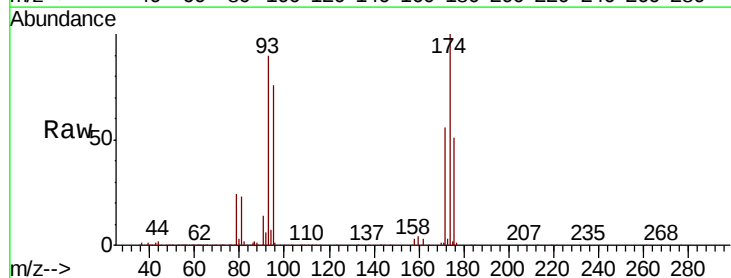
Tgt Ion: 93 Resp: 77121

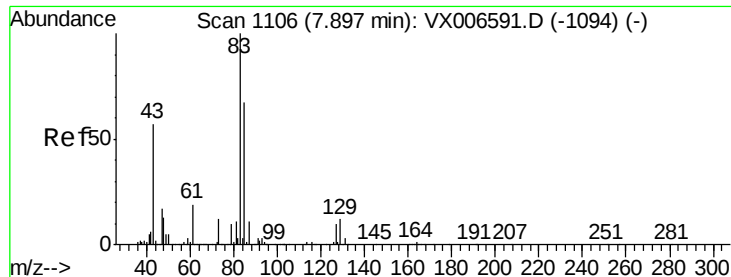
Ion Ratio Lower Upper

93 100

95 84.5 66.2 99.4

174 112.8 91.0 136.4





#47

Bromodichloromethane

Concen: 19.167 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

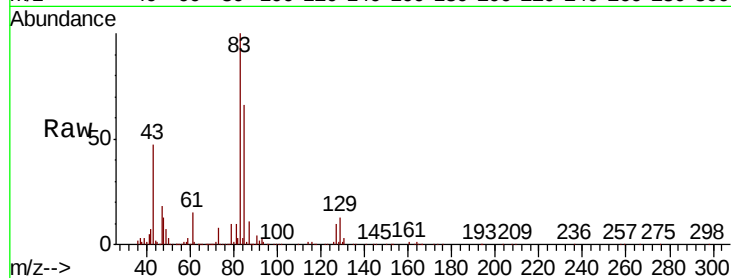
Tot Ion: 83 Resp: 122999

Ion Ratio Lower Upper

83 100

85 66.0 53.2 79.8

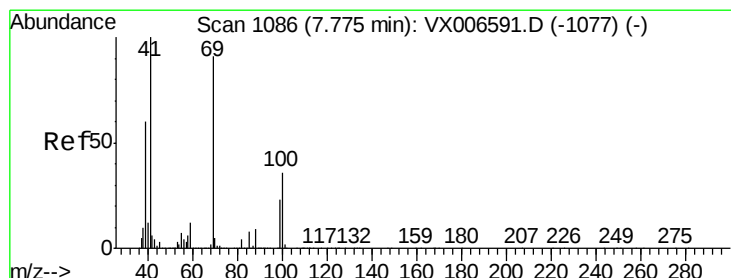
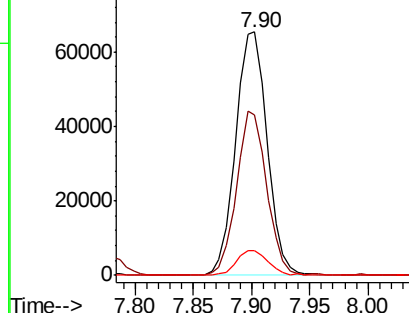
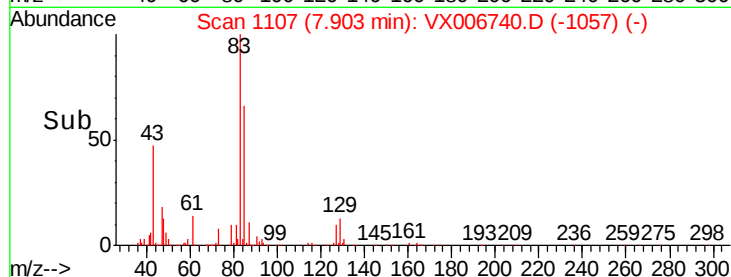
127 10.3 7.8 11.6



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: 20.997 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

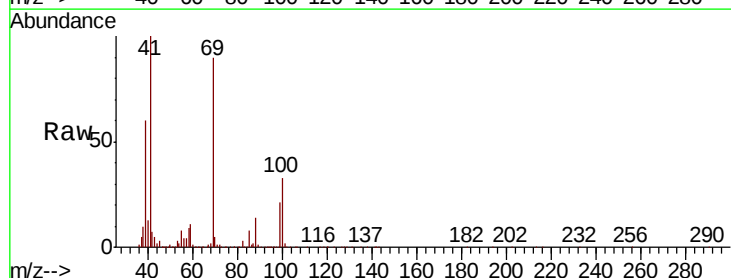
Tgt Ion: 41 Resp: 120128

Ion Ratio Lower Upper

41 100

69 91.2 72.4 108.6

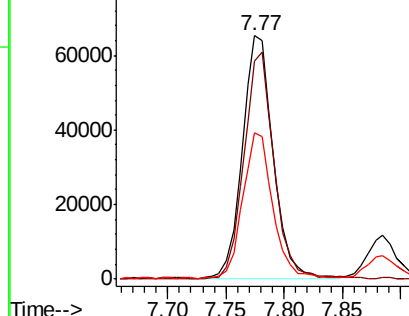
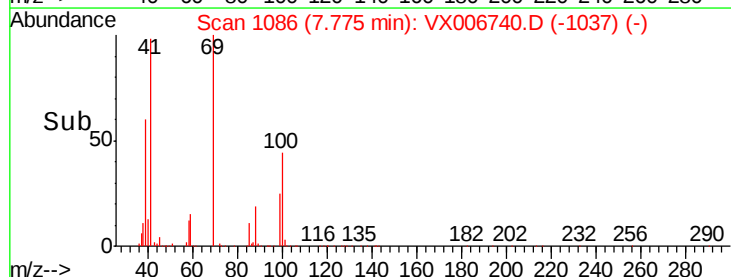
39 57.9 45.8 68.8



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: 404.747 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

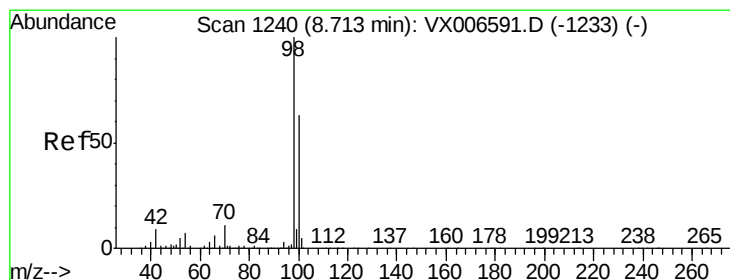
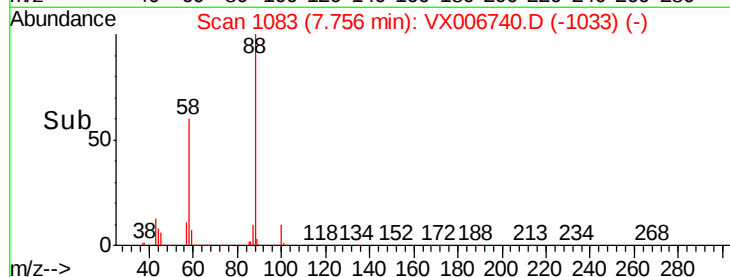
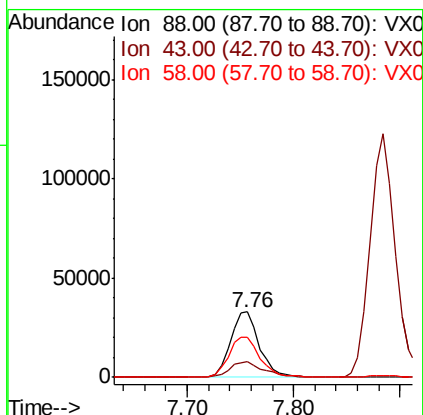
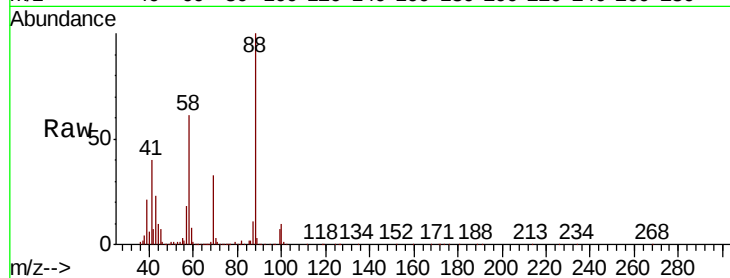
Tot Ion: 88 Resp: 62360

Ion Ratio Lower Upper

88 100

43 28.4 22.2 33.4

58 67.1 51.0 76.4



#50

Toluene-d8

Concen: 49.540 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006740.D

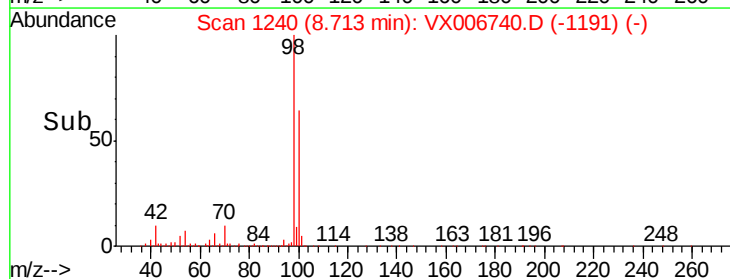
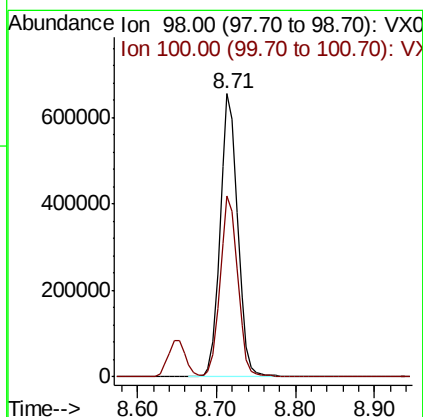
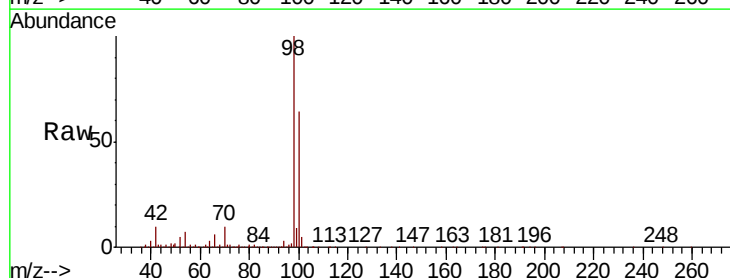
Acq: 21 Dec 2018 23:31

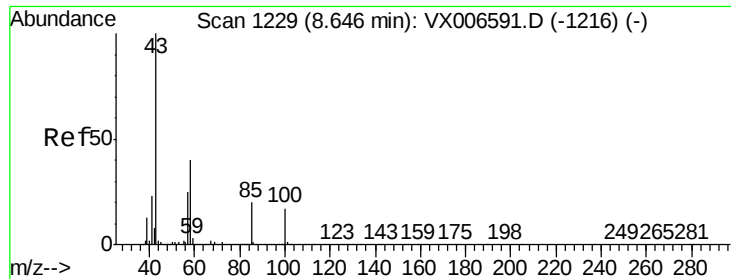
Tgt Ion: 98 Resp: 1013086

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0

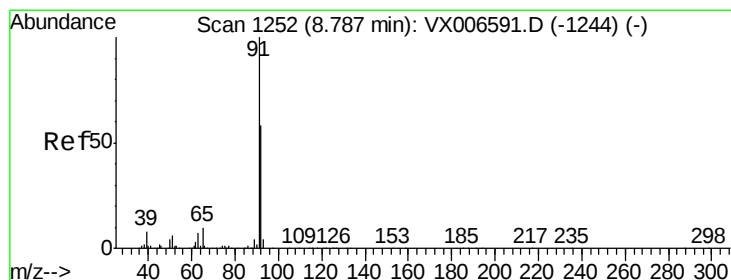
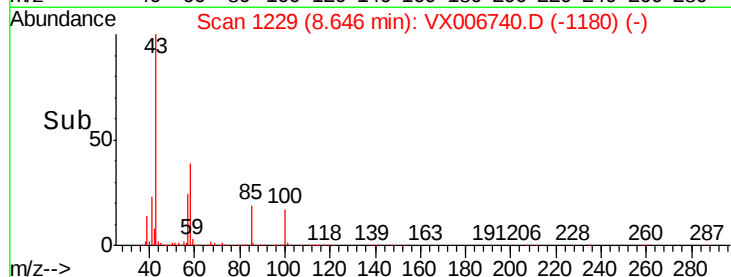
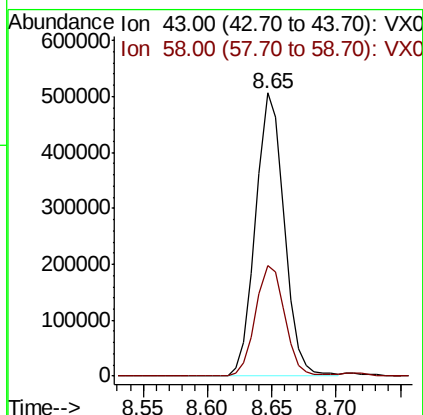
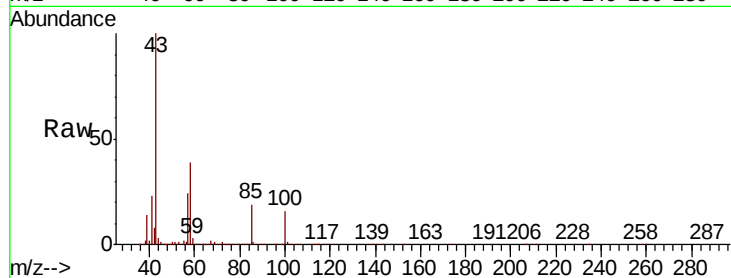




#51
 4-Methyl-2-Pentanone
 Concen: 108.157 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VX006740.D
 Acq: 21 Dec 2018 23:31

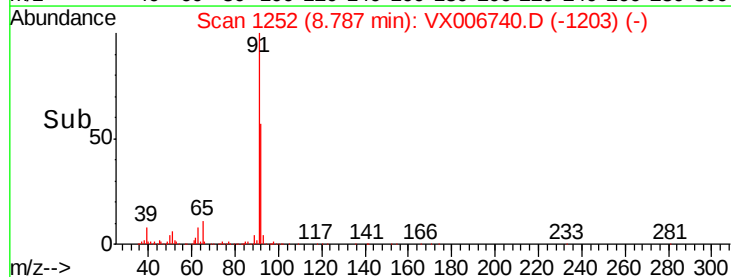
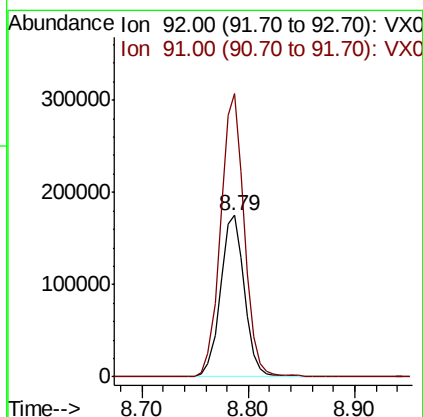
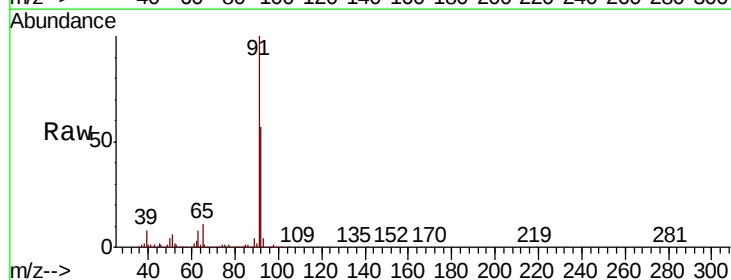
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD02

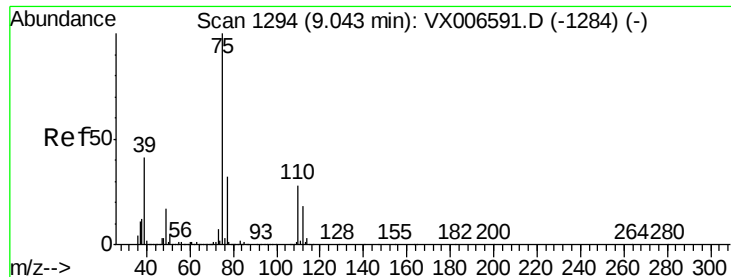
Tot Ion: 43 Resp: 774242
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.8 47.6



#52
 Toluene
 Concen: 19.648 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VX006740.D
 Acq: 21 Dec 2018 23:31

Tgt Ion: 92 Resp: 274114
 Ion Ratio Lower Upper
 92 100
 91 173.4 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 17.163 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

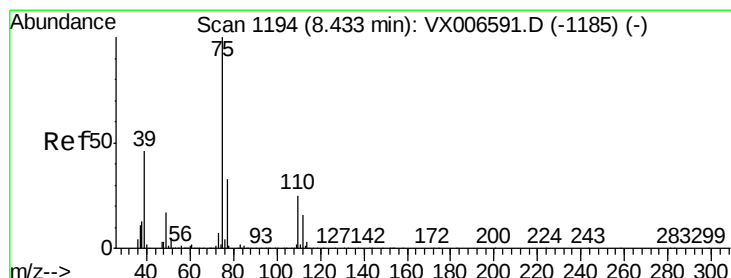
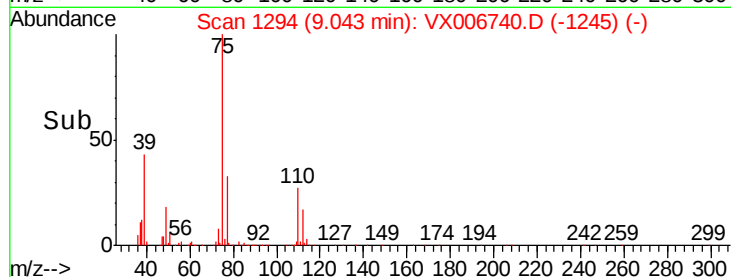
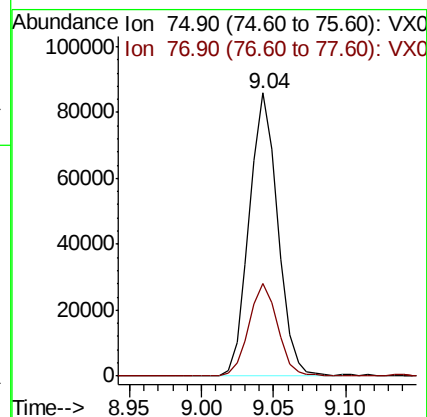
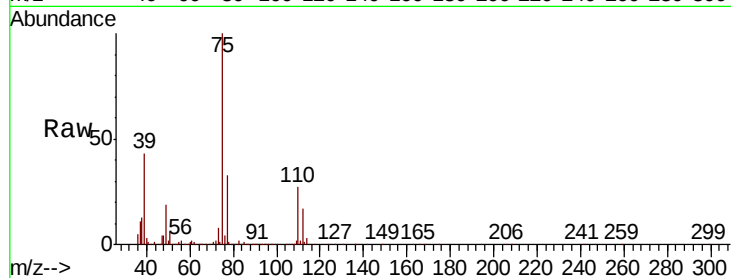
VX1221WBSD02

Tot Ion: 75 Resp: 118123

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 18.281 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

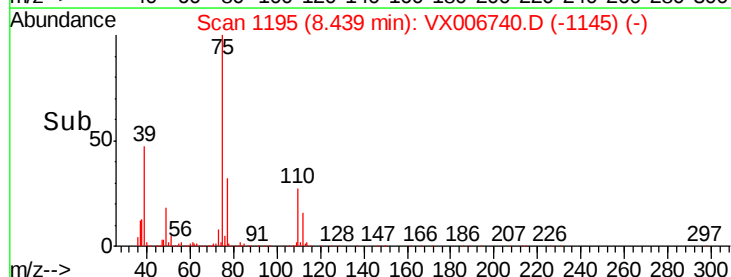
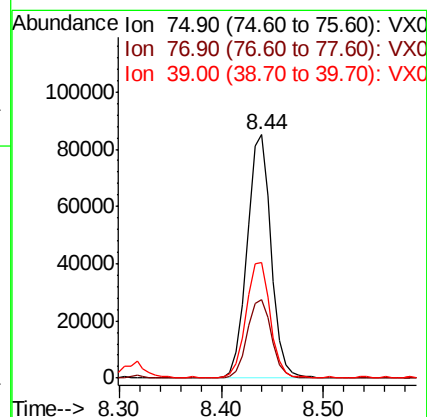
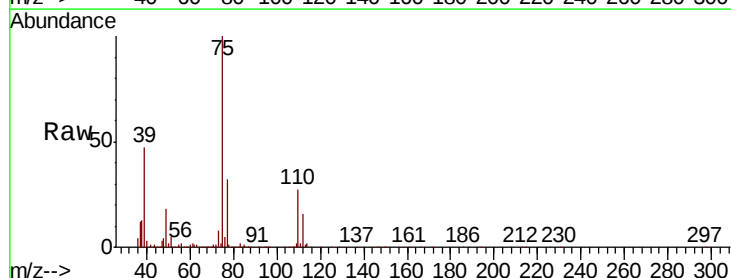
Tgt Ion: 75 Resp: 138056

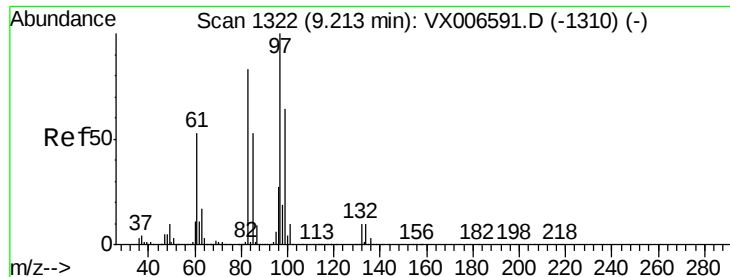
Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.2

39 46.7 36.7 55.1

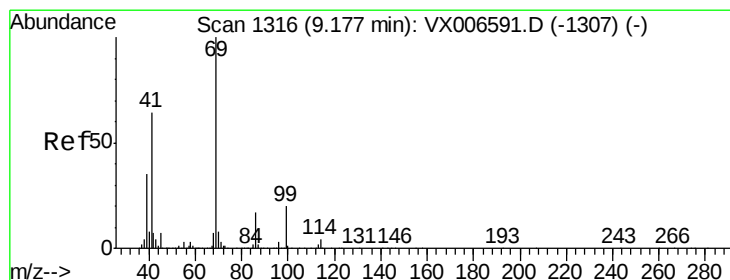
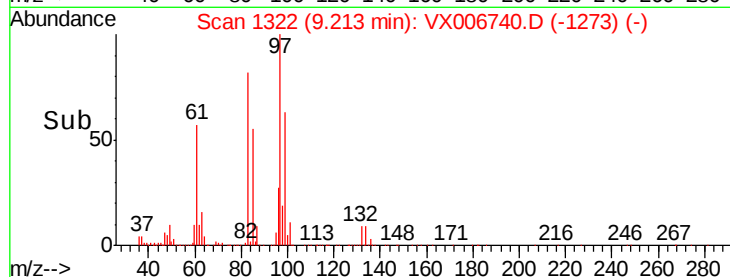
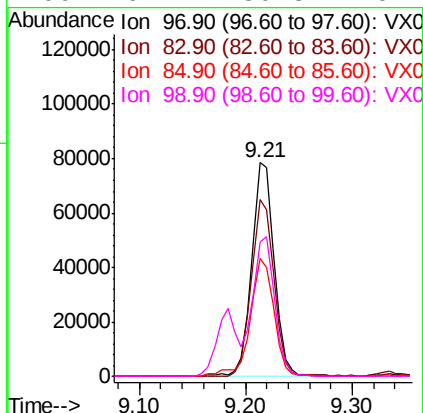
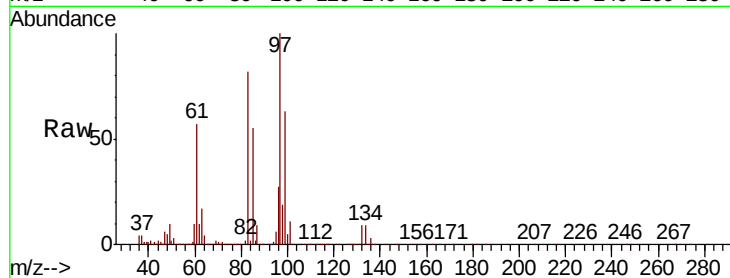




#55
 1,1,2-Trichloroethane
 Concen: 20.478 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX006740.D
 Acq: 21 Dec 2018 23:31

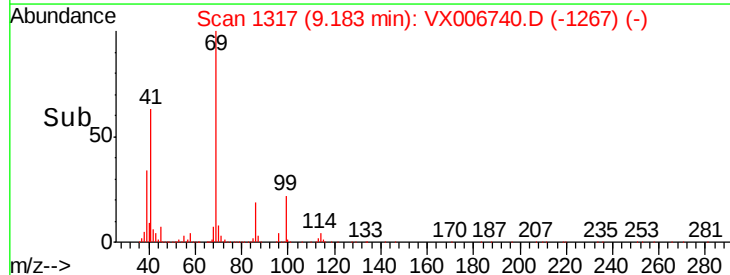
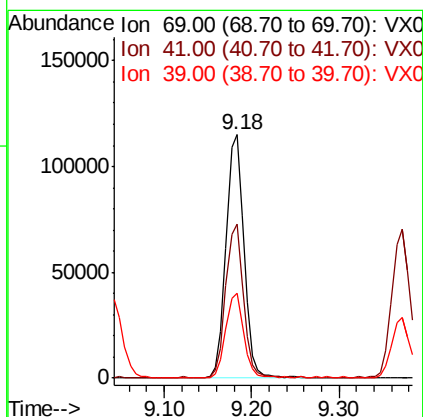
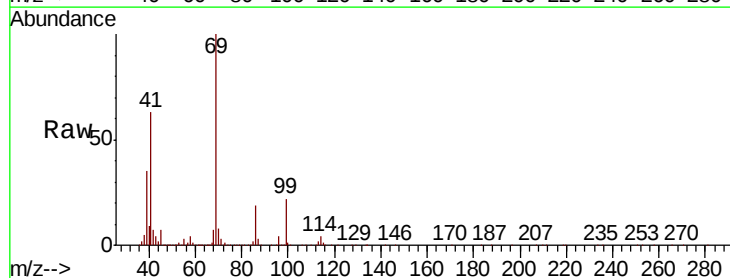
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD02

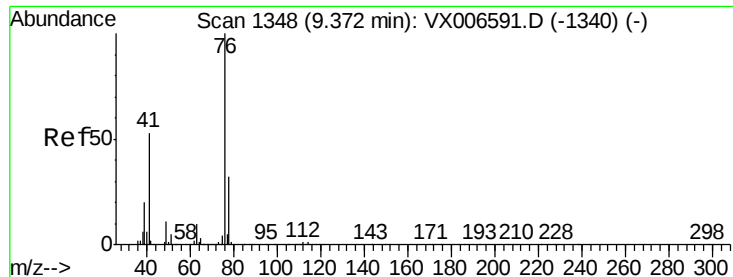
Tot Ion:	97	Resp:	116941
Ion	Ratio	Lower	Upper
97	100		
83	82.5	66.6	99.8
85	55.0	42.7	64.1
99	62.7	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 20.278 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX006740.D
 Acq: 21 Dec 2018 23:31

Tgt Ion:	69	Resp:	163662
Ion	Ratio	Lower	Upper
69	100		
41	61.8	48.7	73.1
39	34.7	27.0	40.6





#57

1,3-Dichloropropane

Concen: 20.194 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

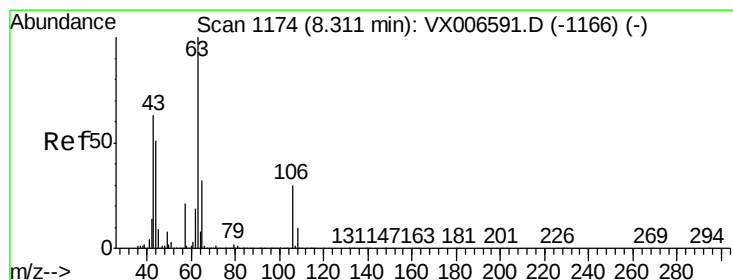
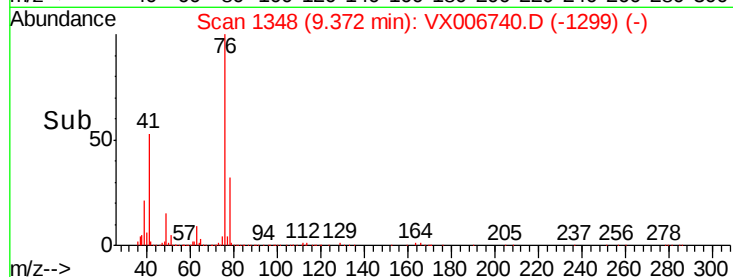
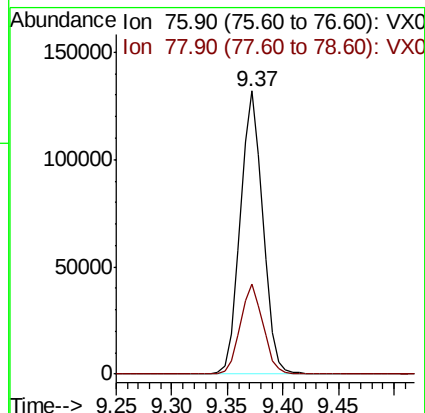
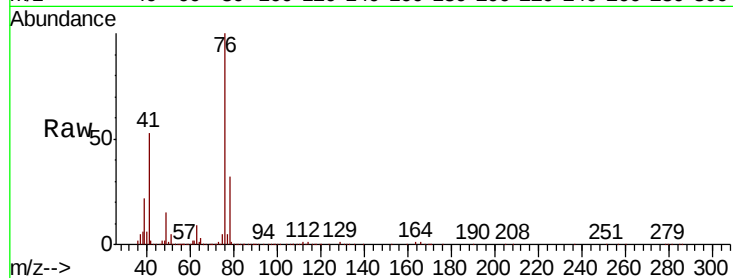
VX1221WBSD02

Tot Ion: 76 Resp: 185531

Ion Ratio Lower Upper

76 100

78 32.1 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 96.755 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006740.D

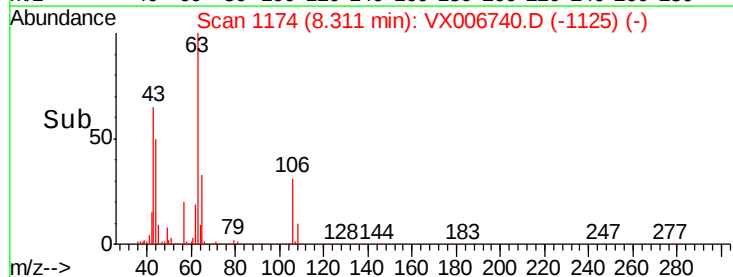
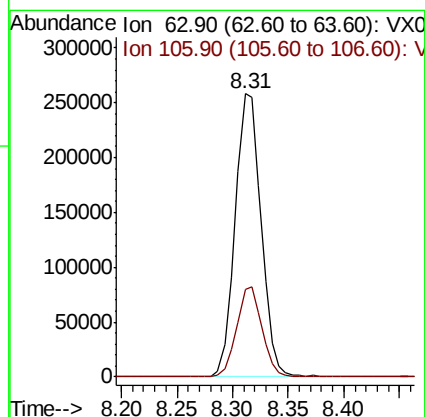
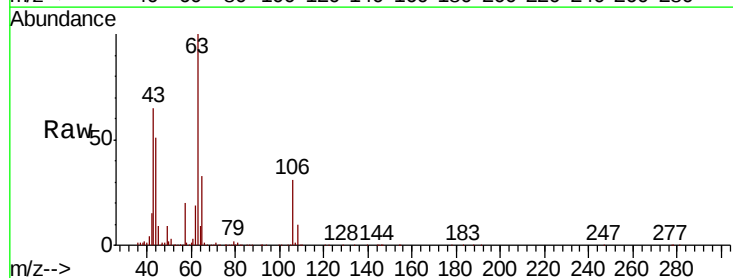
Acq: 21 Dec 2018 23:31

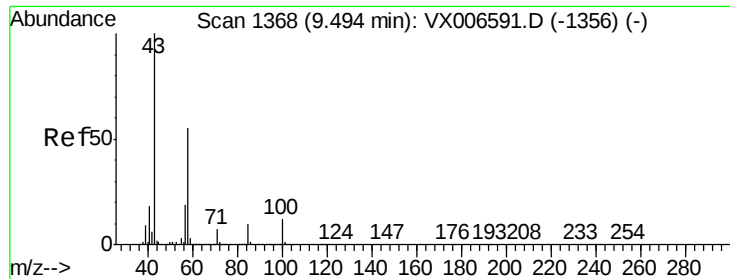
Tgt Ion: 63 Resp: 415105

Ion Ratio Lower Upper

63 100

106 31.3 24.6 36.8

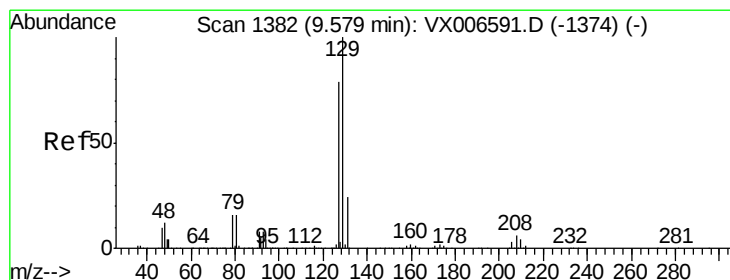
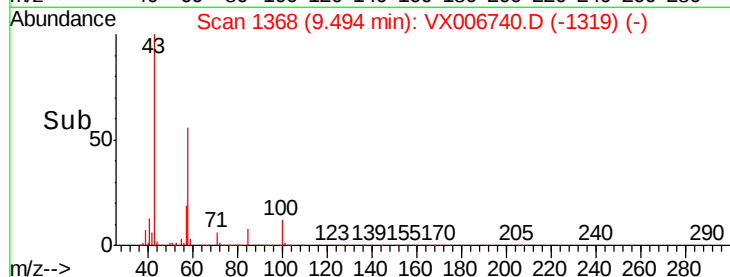
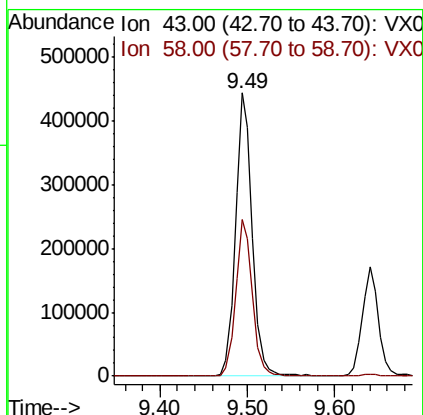
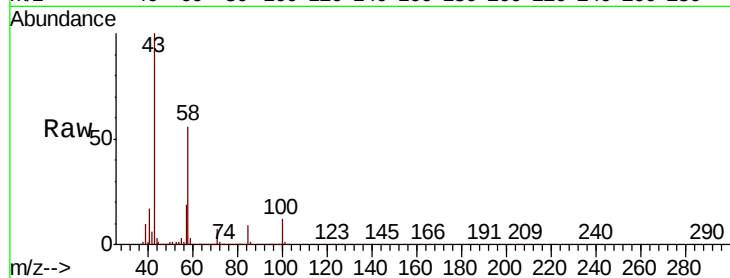




#59
2-Hexanone
Concen: 108.315 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

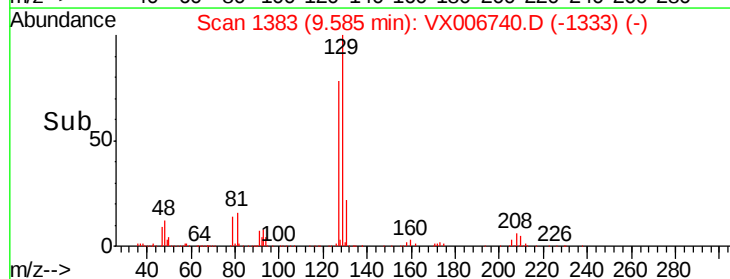
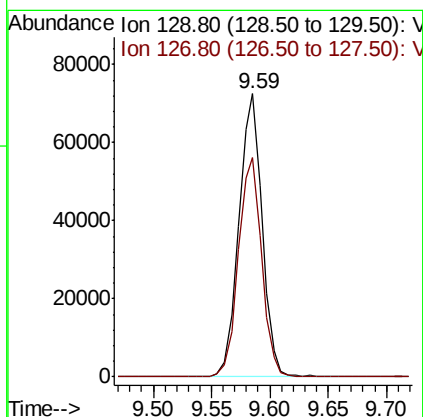
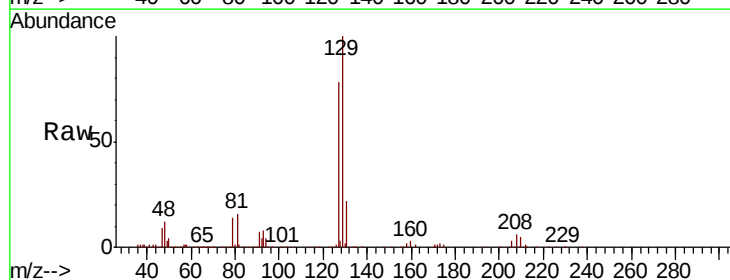
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

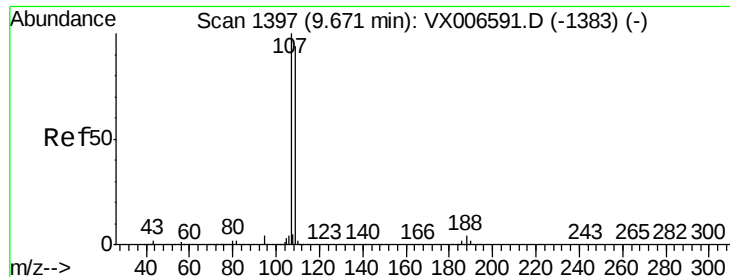
Tot Ion: 43 Resp: 593252
Ion Ratio Lower Upper
43 100
58 55.3 27.7 83.1



#60
Dibromochloromethane
Concen: 18.384 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion: 129 Resp: 100590
Ion Ratio Lower Upper
129 100
127 78.0 39.3 117.8





#61

1,2-Dibromoethane

Concen: 20.440 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

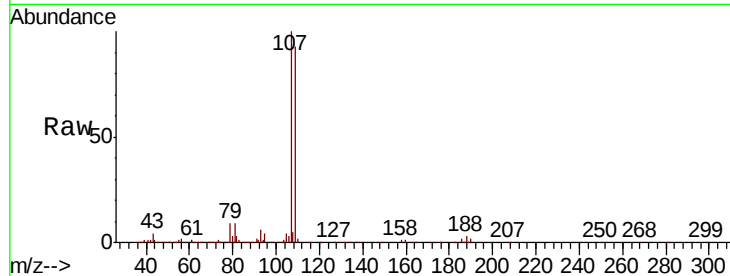
VX1221WBSD02

Tot Ion: 107 Resp: 124075

Ion Ratio Lower Upper

107 100

109 95.7 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

60000

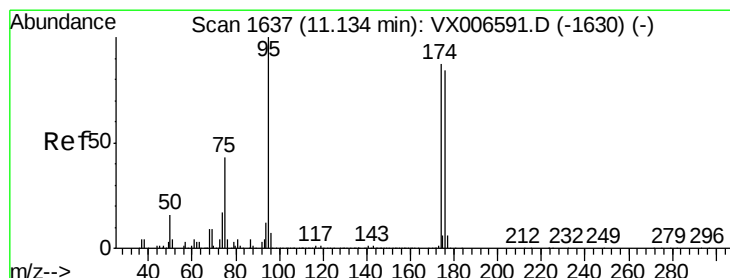
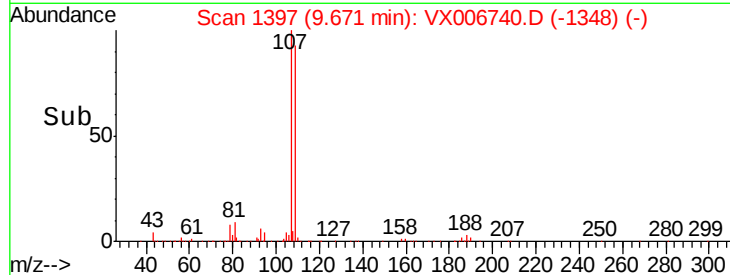
40000

20000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 47.512 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

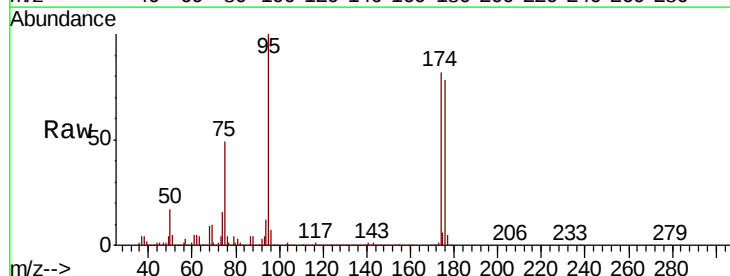
Tgt Ion: 95 Resp: 355847

Ion Ratio Lower Upper

95 100

174 90.8 0.0 182.2

176 87.4 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

11.13

300000

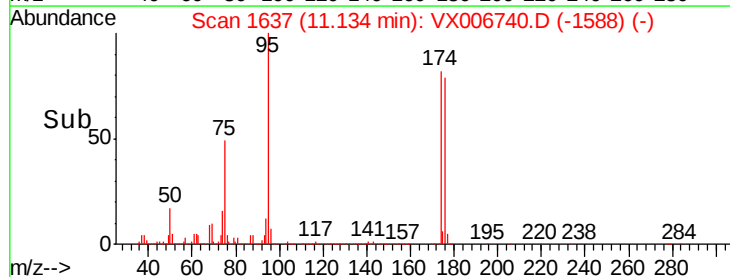
200000

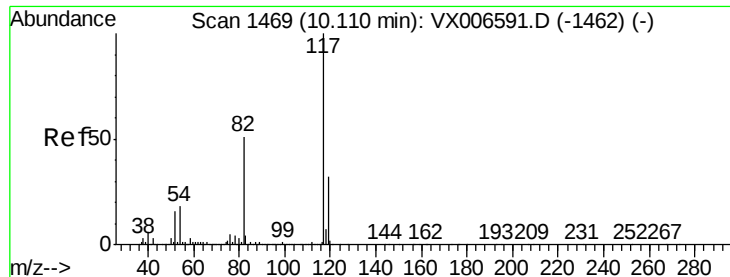
100000

0

Time-->

11.05 11.10 11.15 11.20





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

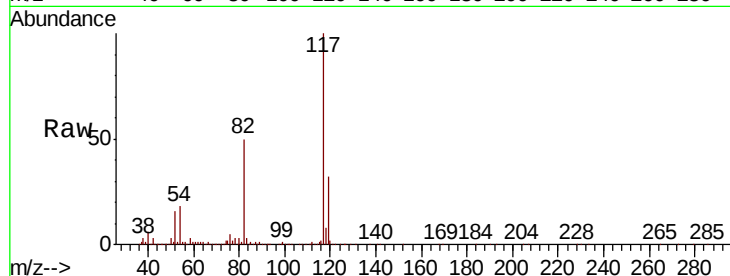
Tot Ion:117 Resp: 755918

Ion Ratio Lower Upper

117 100

82 49.9 41.0 61.6

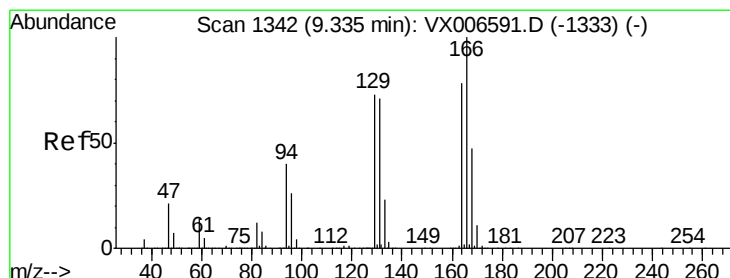
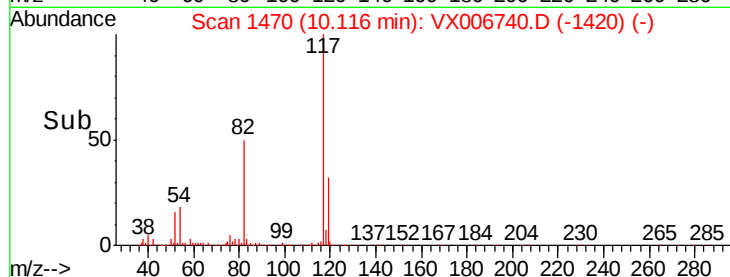
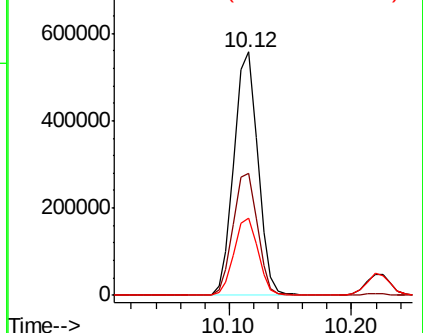
119 31.6 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.047 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Tgt Ion:164 Resp: 119993

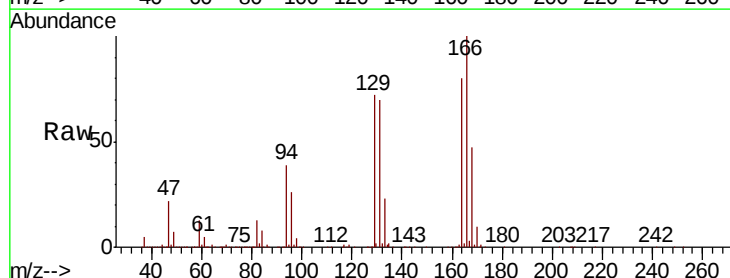
Ion Ratio Lower Upper

164 100

166 125.5 102.5 153.7

129 90.8 75.1 112.7

131 87.5 72.7 109.1

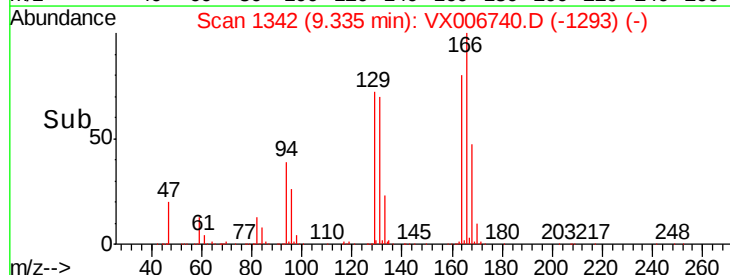
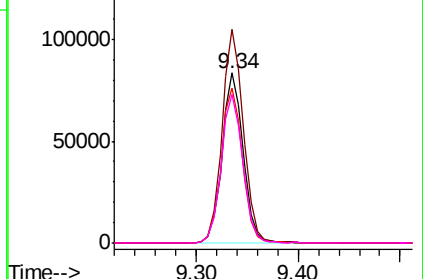


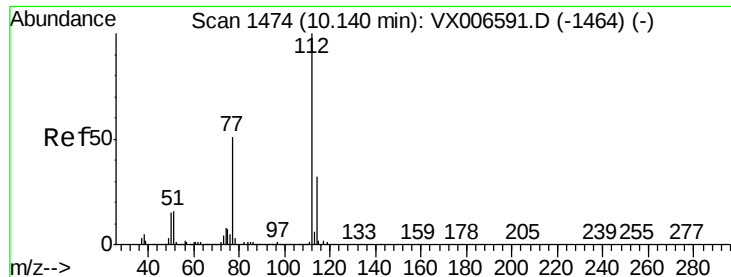
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

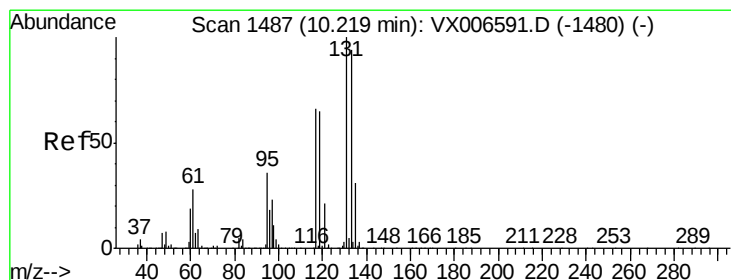
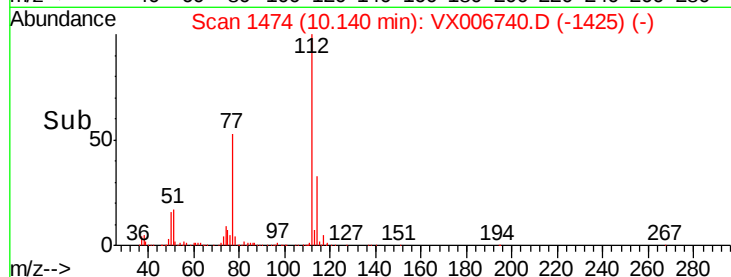
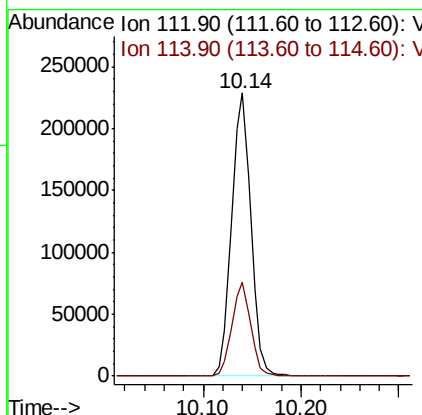
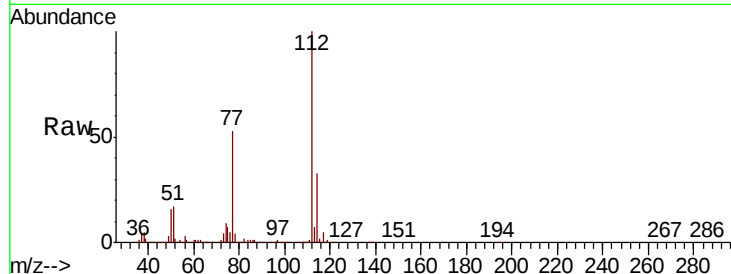




#65
Chlorobenzene
Concen: 19.602 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

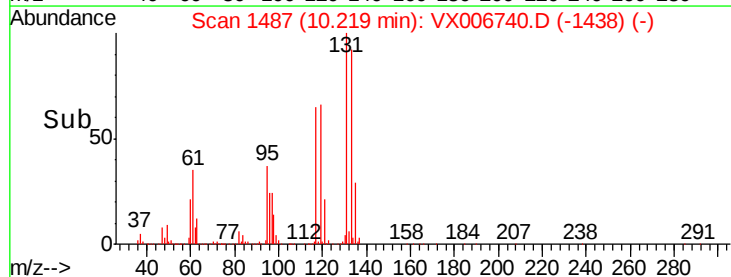
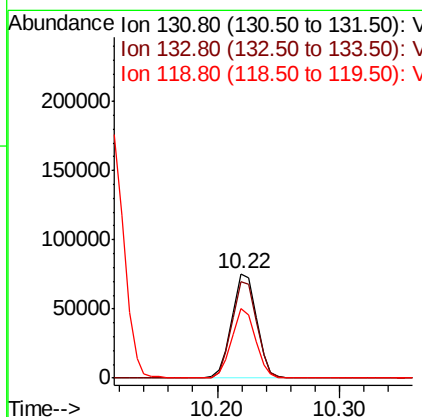
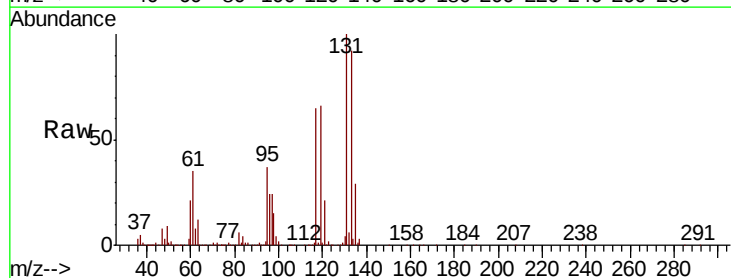
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

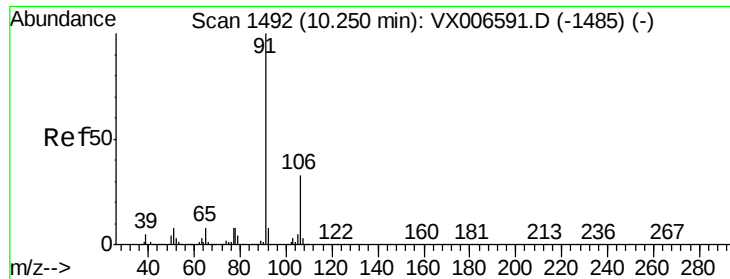
Tot Ion:112 Resp: 313473
Ion Ratio Lower Upper
112 100
114 33.0 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 21.193 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion:131 Resp: 105740
Ion Ratio Lower Upper
131 100
133 92.9 48.0 144.2
119 64.1 32.6 97.8





#67

Ethyl Benzene

Concen: 19.636 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

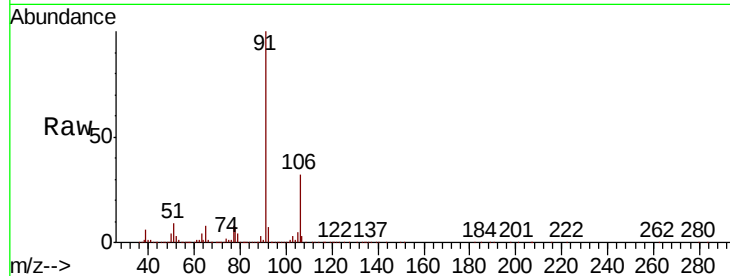
VX1221WBSD02

Tot Ion: 91 Resp: 513122

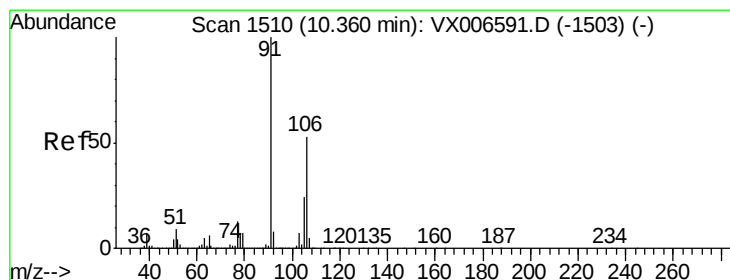
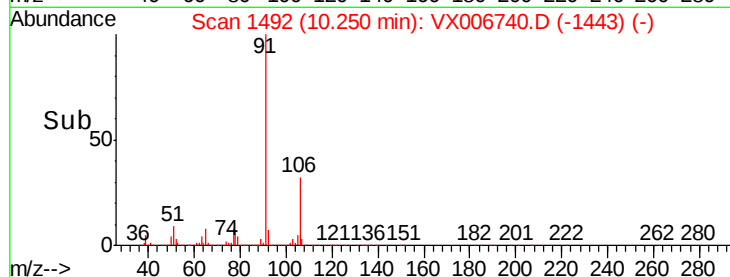
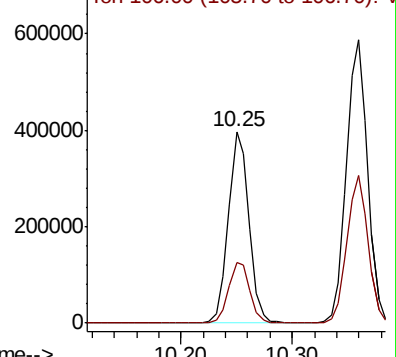
Ion Ratio Lower Upper

91 100

106 31.5 26.4 39.6



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



#68

m/p-Xylenes

Concen: 39.528 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006740.D

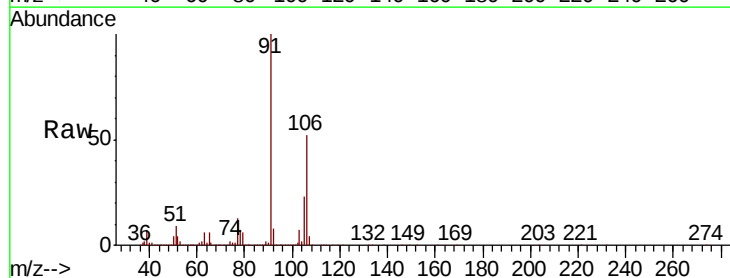
Acq: 21 Dec 2018 23:31

Tgt Ion: 106 Resp: 407597

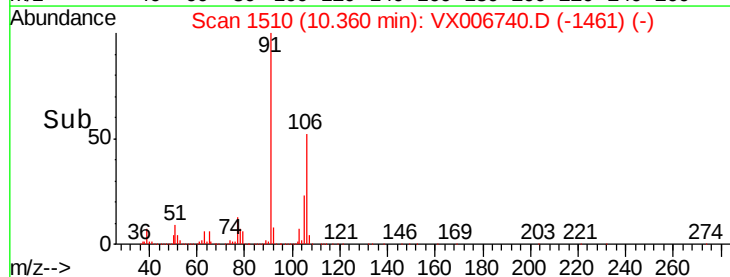
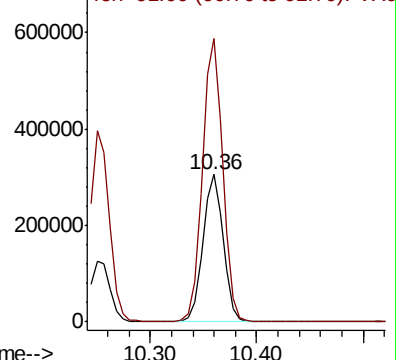
Ion Ratio Lower Upper

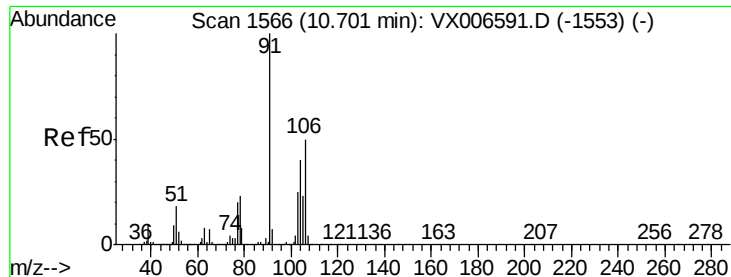
106 100

91 192.9 155.8 233.6



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

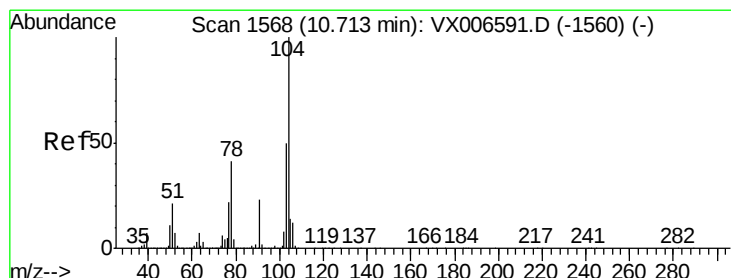
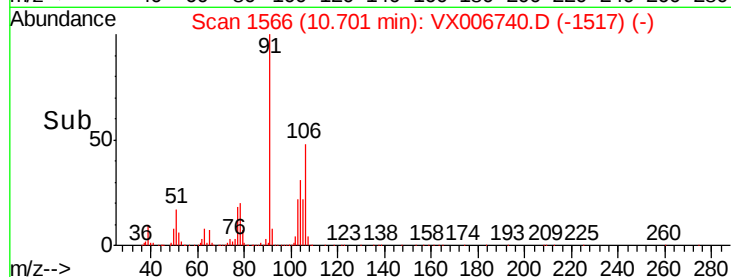
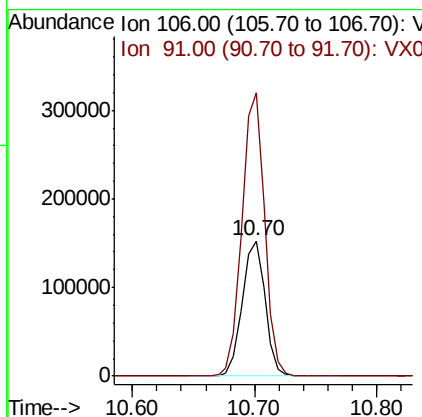
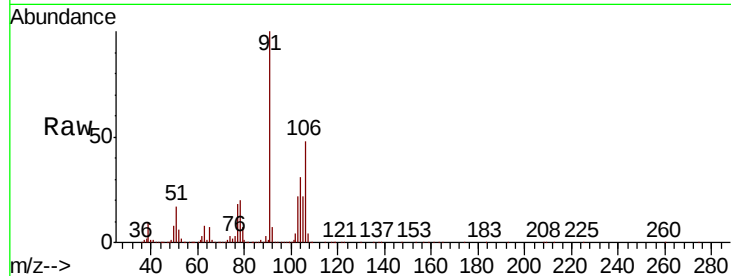




#69
o-Xylene
Concen: 19.377 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

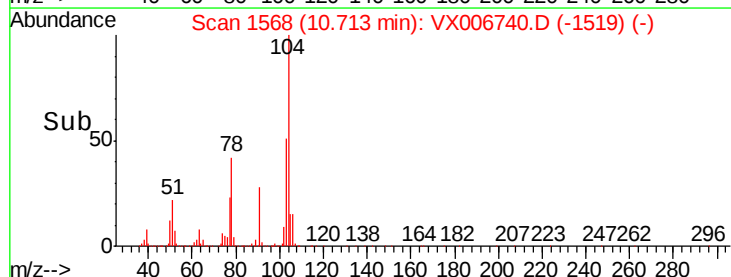
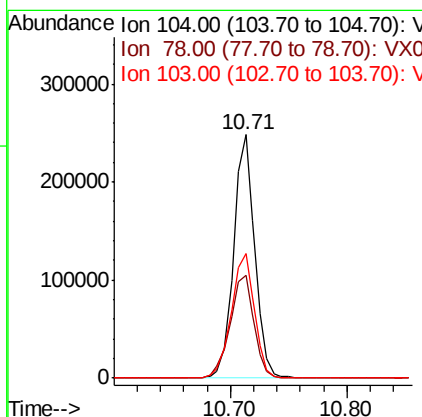
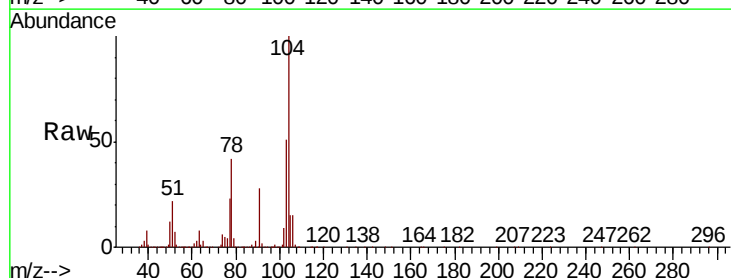
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

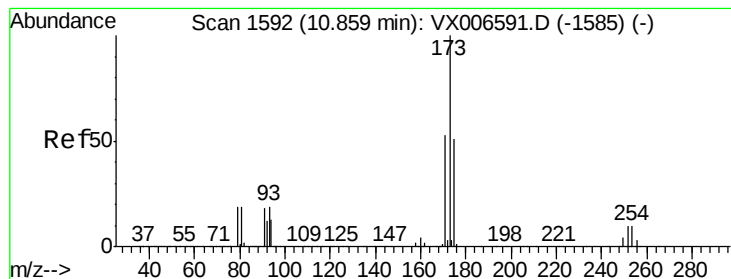
Tot Ion:106 Resp: 197310
Ion Ratio Lower Upper
106 100
91 206.5 101.3 303.7



#70
Styrene
Concen: 19.409 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion:104 Resp: 312666
Ion Ratio Lower Upper
104 100
78 48.0 37.7 56.5
103 56.5 43.8 65.8





#71

Bromoform

Concen: 18.224 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

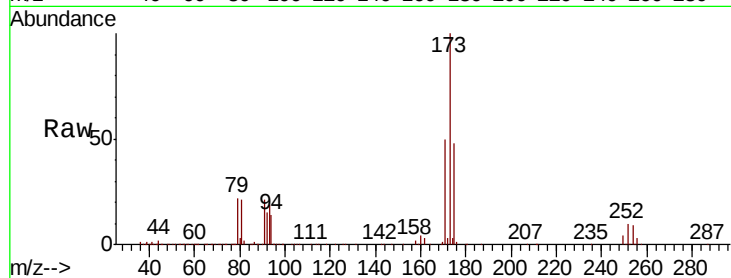
Tot Ion:173 Resp: 68012

Ion Ratio Lower Upper

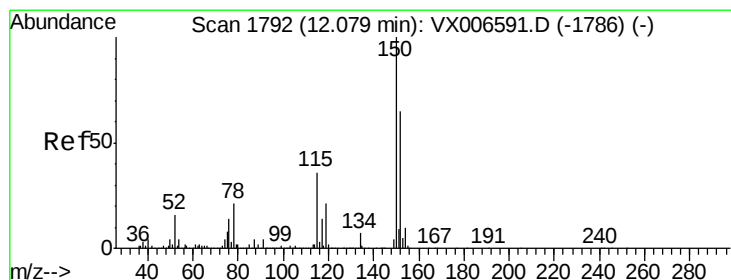
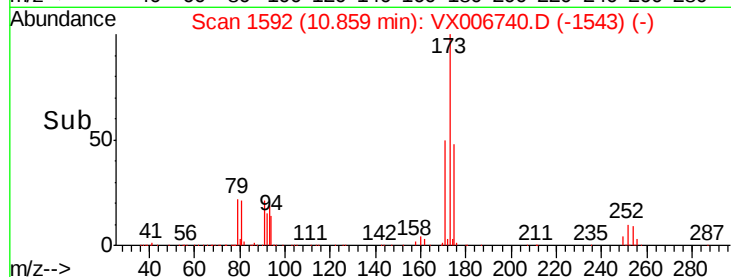
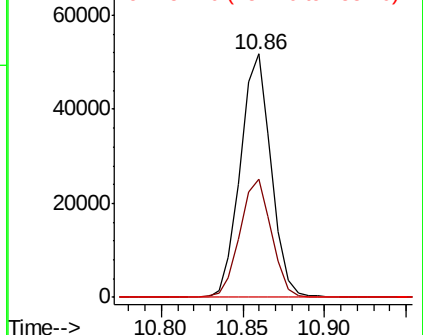
173 100

175 49.5 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: VX006740.D

Acq: 21 Dec 2018 23:31

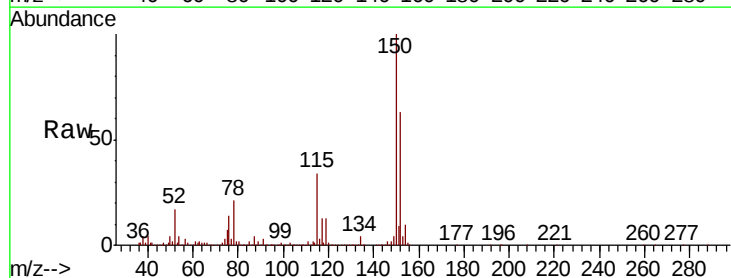
Tgt Ion:152 Resp: 379153

Ion Ratio Lower Upper

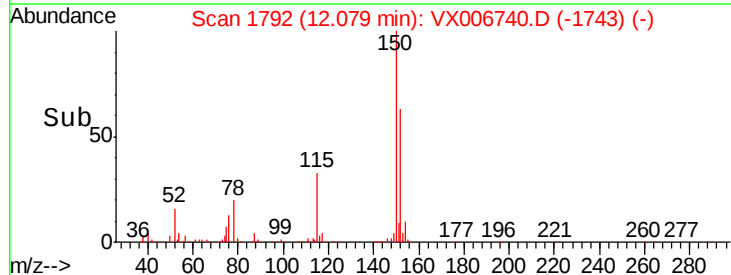
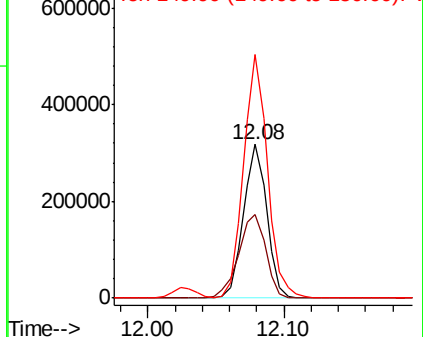
152 100

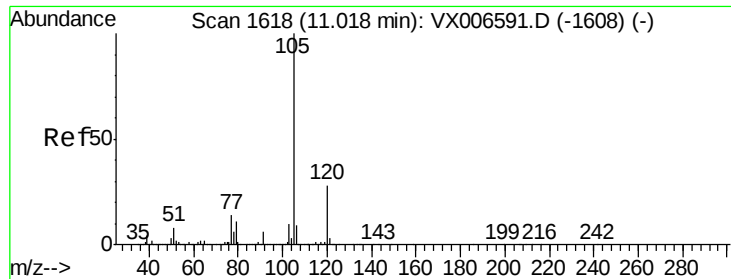
115 63.8 39.1 117.2

150 162.4 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: 20.331 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

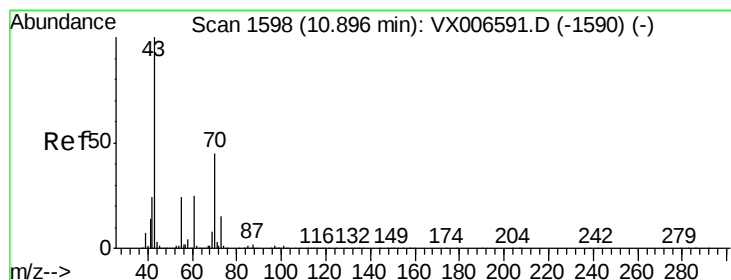
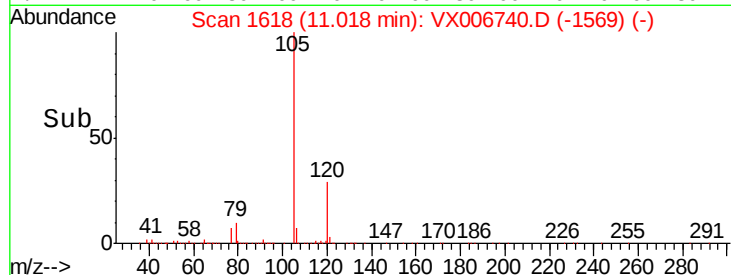
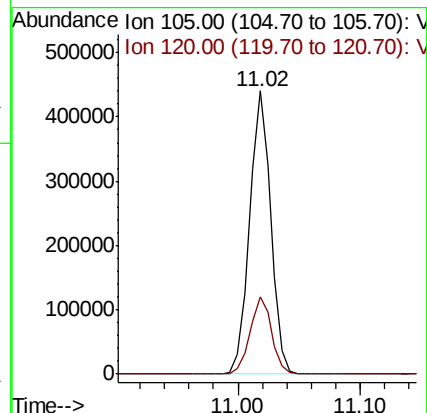
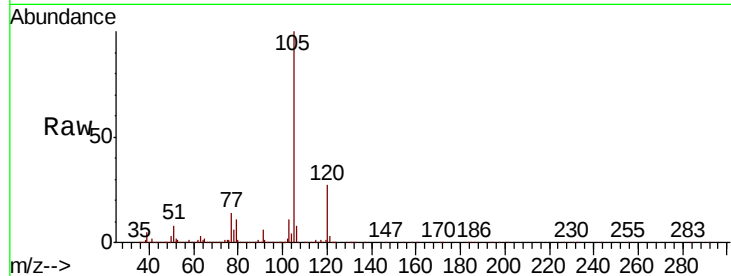
VX1221WBSD02

Tot Ion:105 Resp: 527348

Ion Ratio Lower Upper

105 100

120 27.8 14.1 42.4



#74

N-ethyl acetate

Concen: 21.778 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Tgt Ion: 43 Resp: 202195

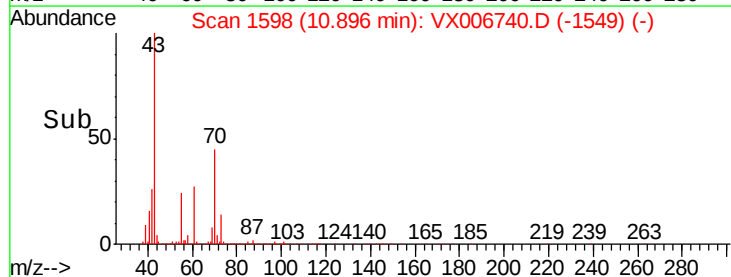
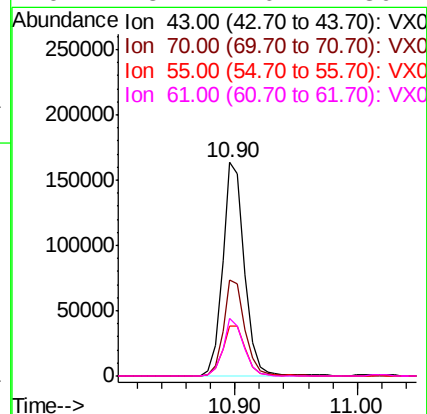
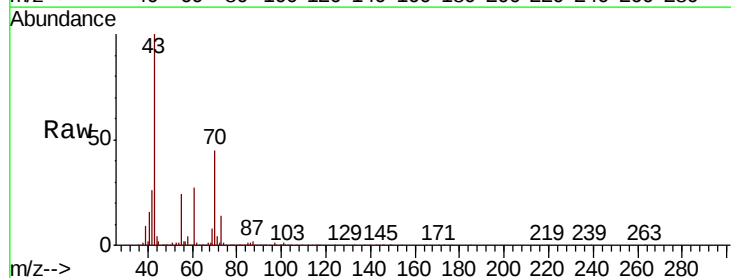
Ion Ratio Lower Upper

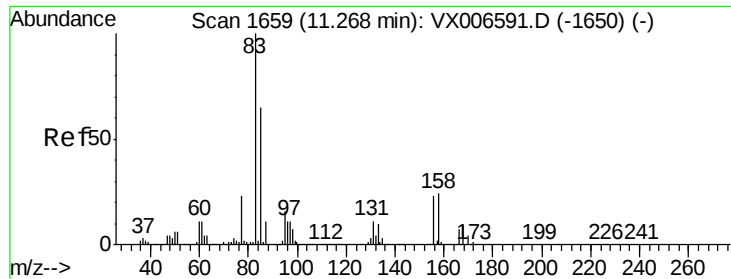
43 100

70 44.9 35.8 53.8

55 25.1 19.4 29.0

61 25.4 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.543 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

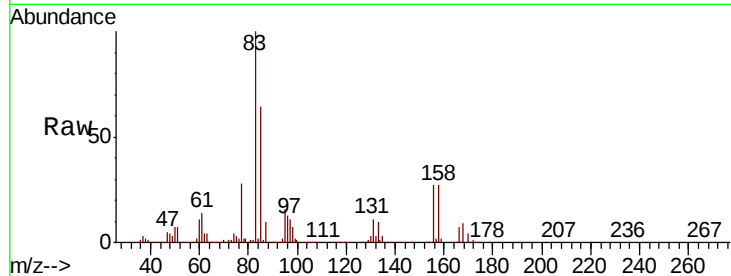
Tot Ion: 83 Resp: 173902

Ion Ratio Lower Upper

83 100

131 11.0 5.7 17.1

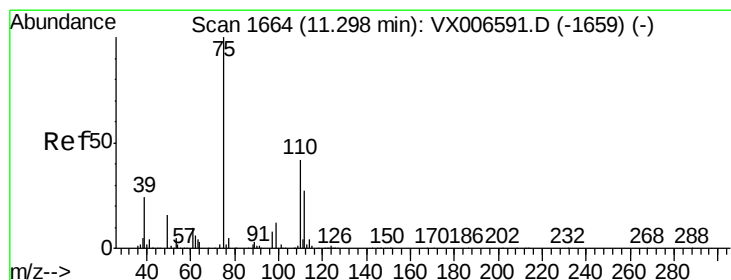
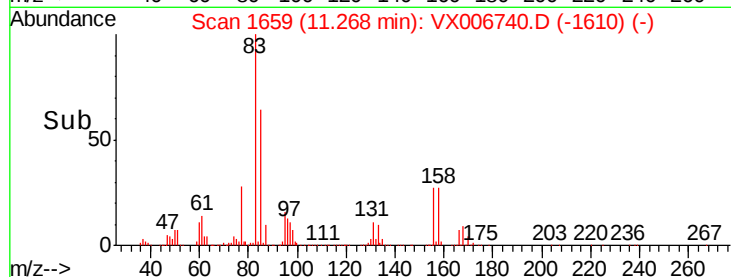
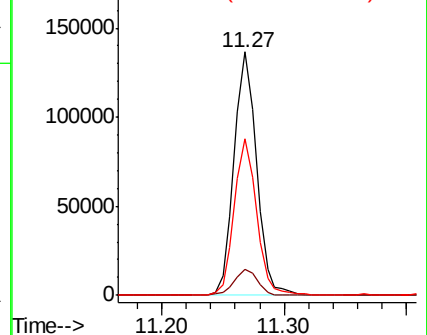
85 63.8 32.2 96.6



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: 24.645 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006740.D

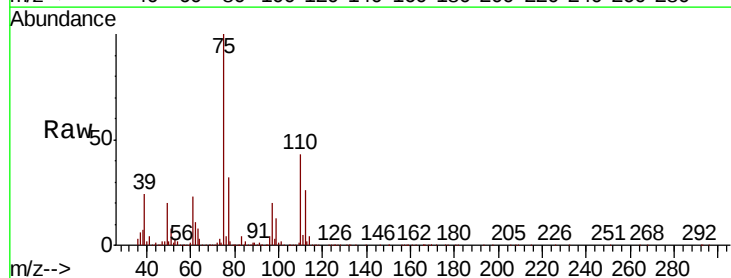
Acq: 21 Dec 2018 23:31

Tgt Ion: 75 Resp: 173655

Ion Ratio Lower Upper

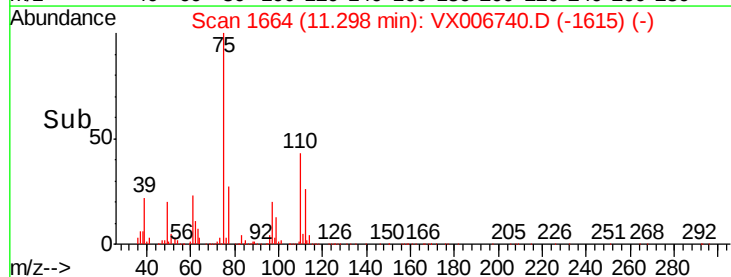
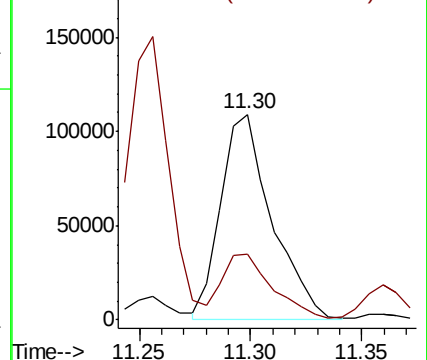
75 100

77 31.4 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.205 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

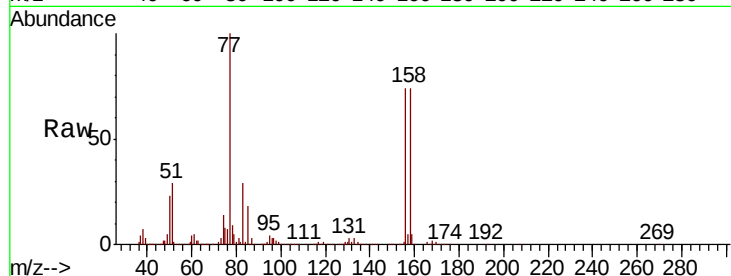
Tot Ion:156 Resp: 141691

Ion Ratio Lower Upper

156 100

77 139.1 68.0 204.0

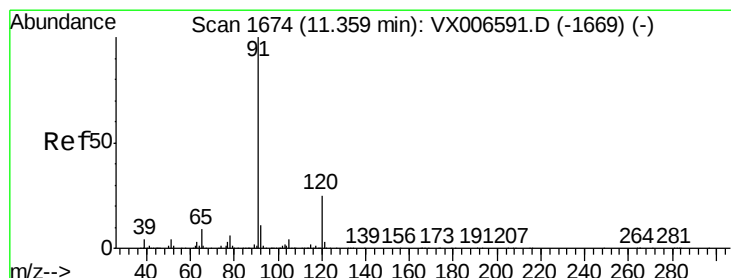
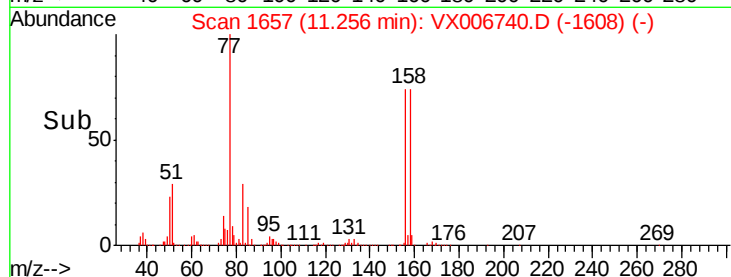
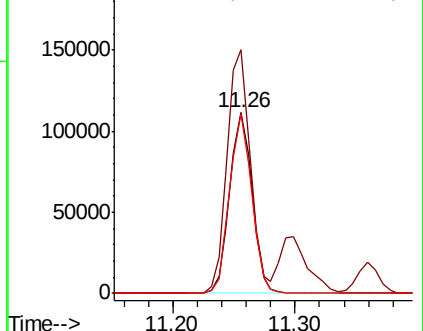
158 97.7 48.3 144.8



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: 20.131 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006740.D

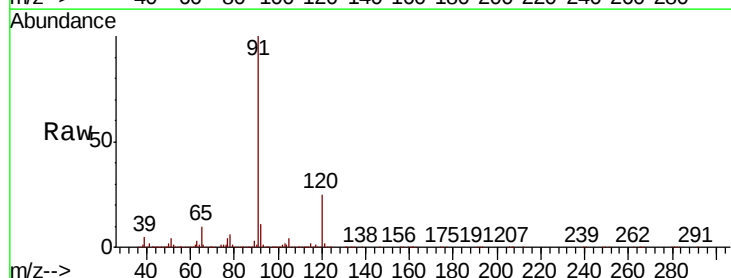
Acq: 21 Dec 2018 23:31

Tgt Ion: 91 Resp: 575010

Ion Ratio Lower Upper

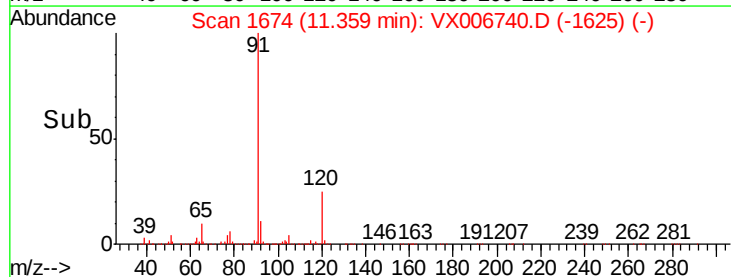
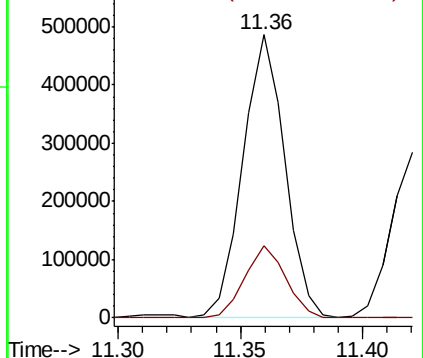
91 100

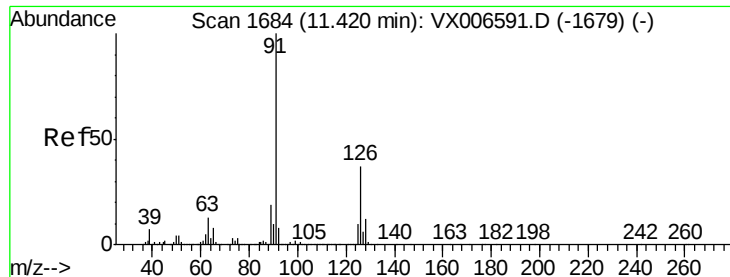
120 25.3 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.920 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

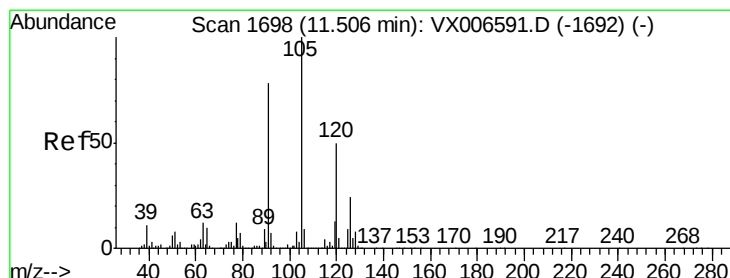
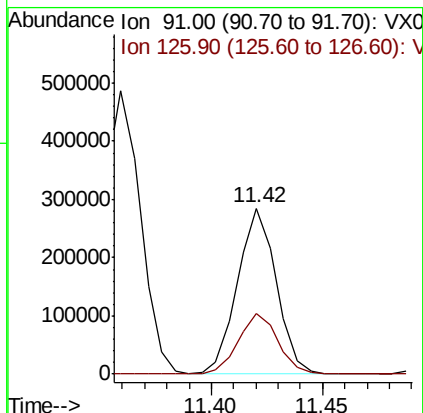
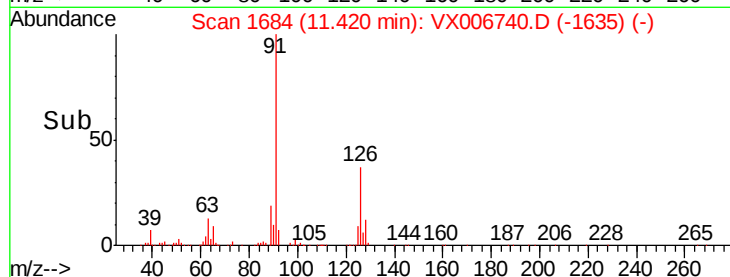
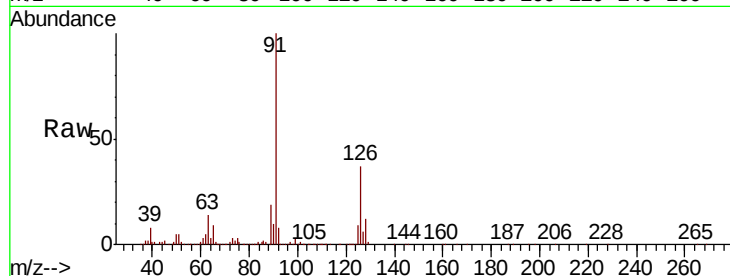
VX1221WBSD02

Tot Ion: 91 Resp: 344814

Ion Ratio Lower Upper

91 100

126 37.5 18.6 56.0



#80

1,3,5-Trimethylbenzene

Concen: 20.293 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006740.D

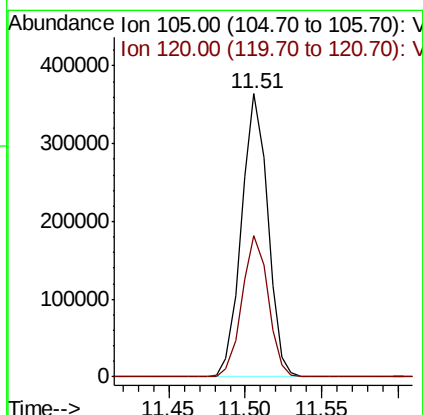
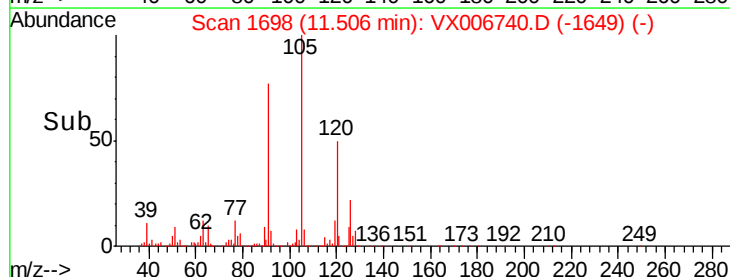
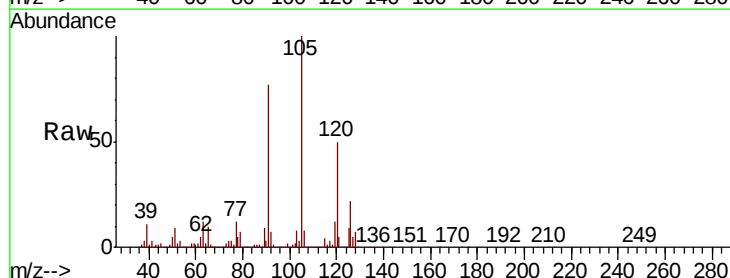
Acq: 21 Dec 2018 23:31

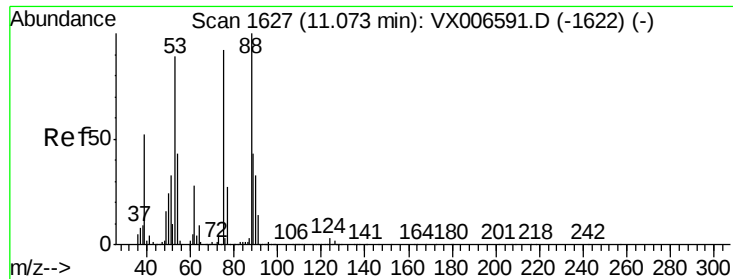
Tgt Ion: 105 Resp: 433544

Ion Ratio Lower Upper

105 100

120 49.9 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 15.839 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

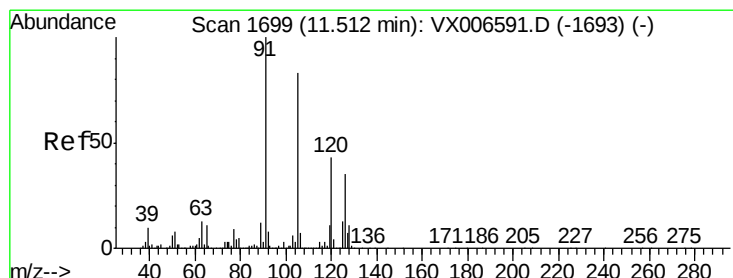
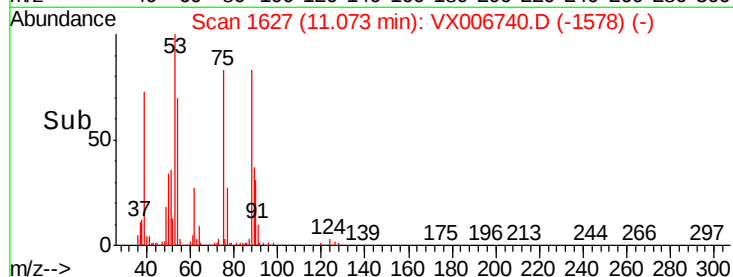
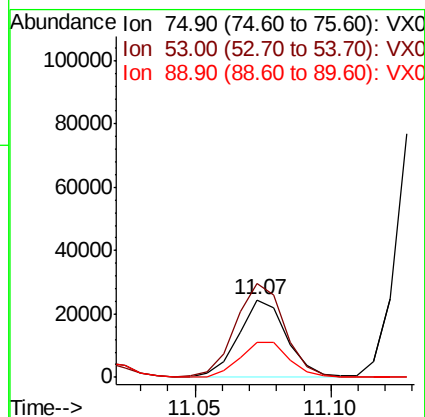
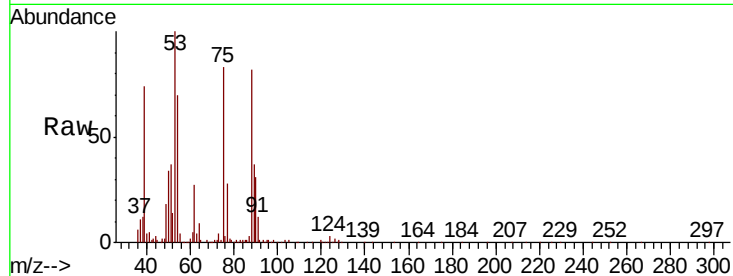
Tot Ion: 75 Resp: 29360

Ion Ratio Lower Upper

75 100

53 125.5 79.7 119.5#

89 48.2 38.0 57.0



#82

4-Chlorotoluene

Concen: 19.868 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX006740.D

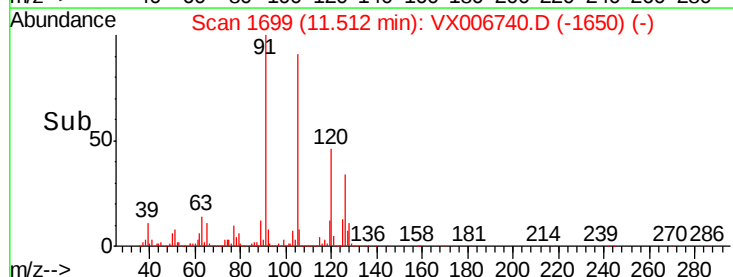
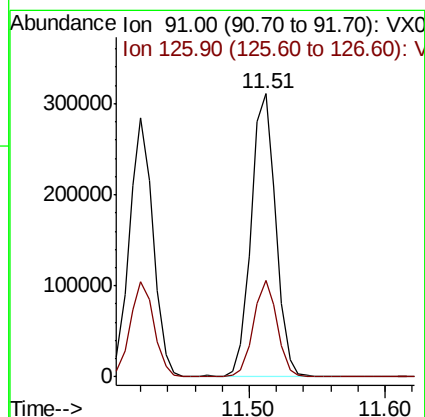
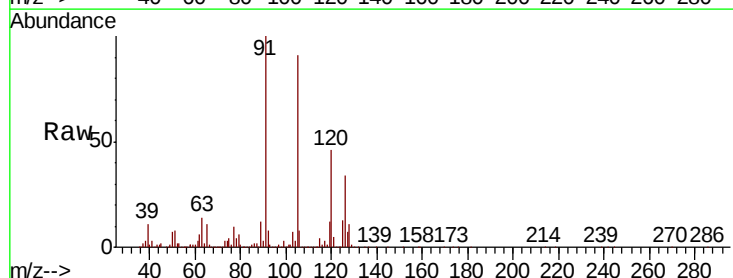
Acq: 21 Dec 2018 23:31

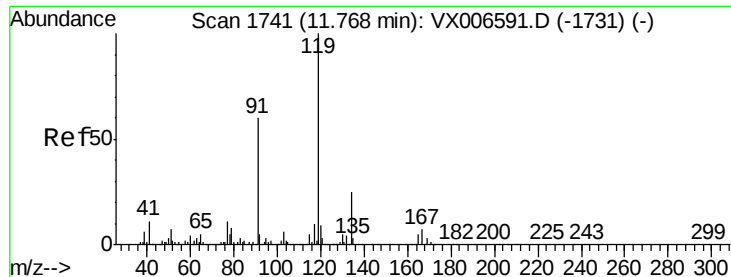
Tgt Ion: 91 Resp: 394493

Ion Ratio Lower Upper

91 100

126 33.1 16.3 48.9

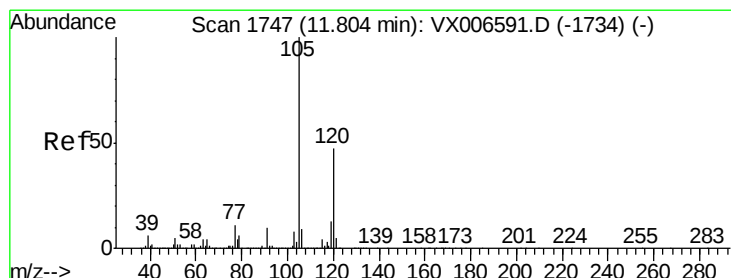
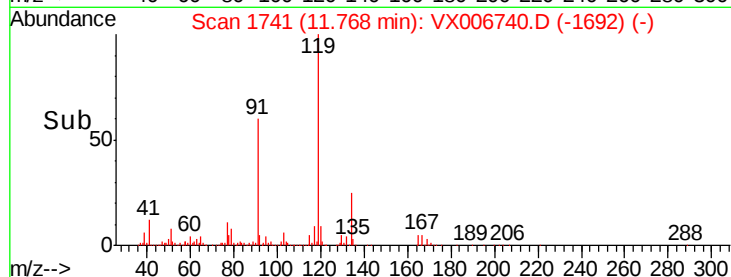
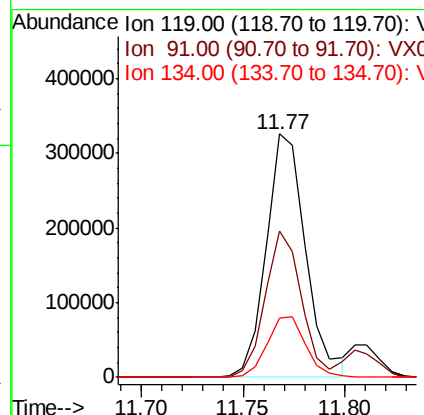
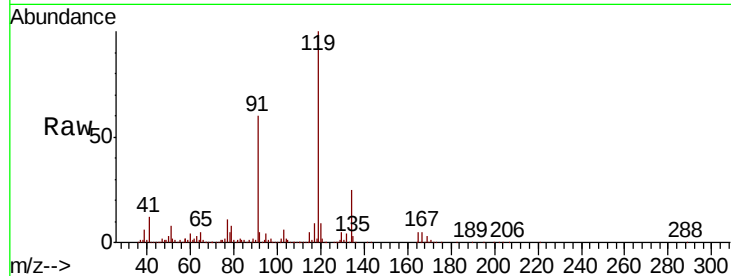




#83
tert-Butylbenzene
Concen: 20.562 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

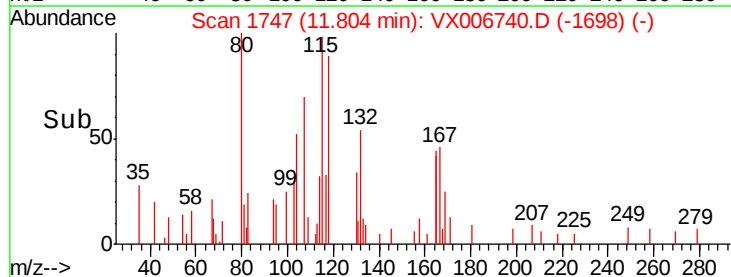
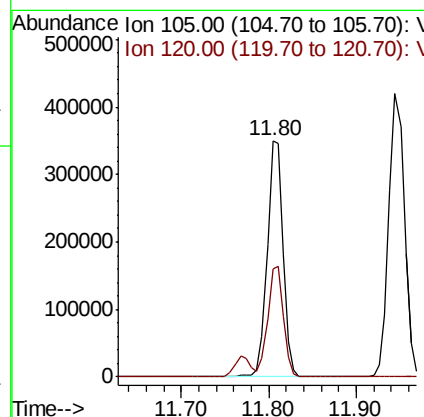
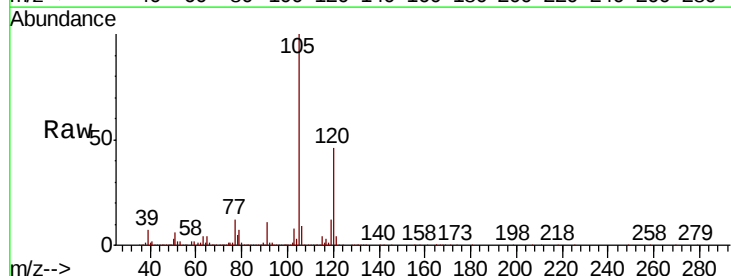
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

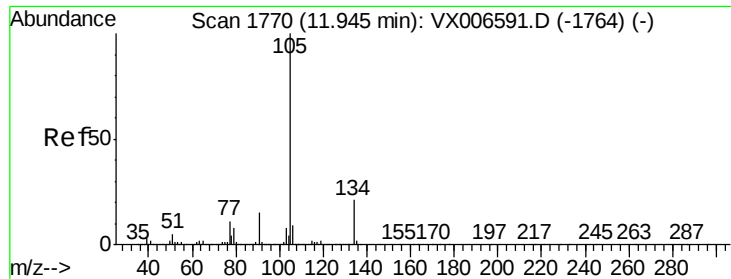
Tot Ion:119 Resp: 439673
Ion Ratio Lower Upper
119 100
91 55.2 27.7 83.1
134 24.5 11.9 35.5



#84
1,2,4-Trimethylbenzene
Concen: 19.825 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion:105 Resp: 445514
Ion Ratio Lower Upper
105 100
120 46.2 23.2 69.6





#85

sec-Butylbenzene

Concen: 19.851 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

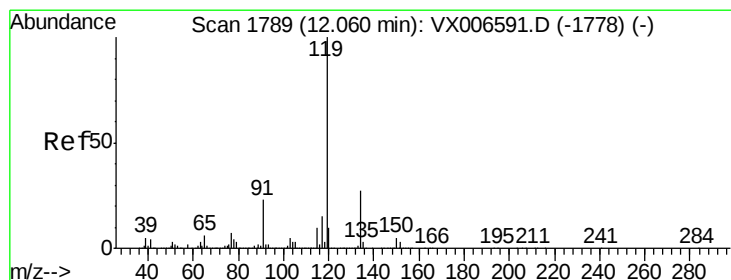
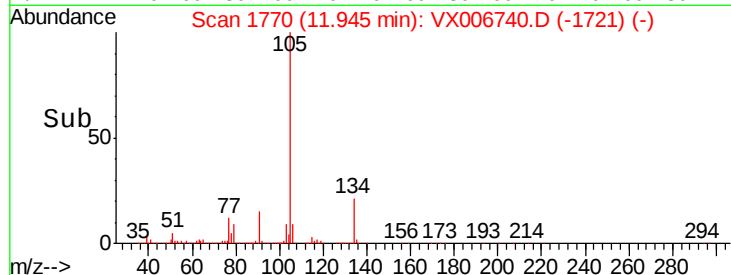
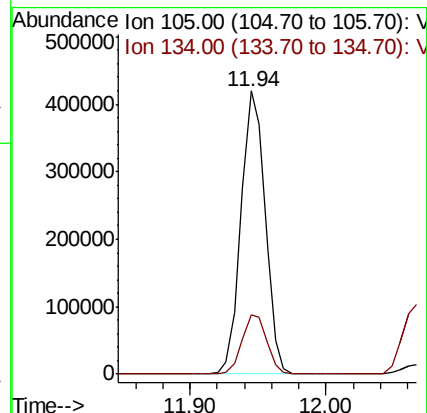
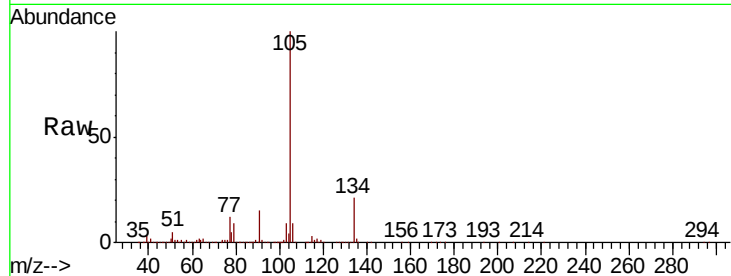
VX1221WBSD02

Tot Ion:105 Resp: 520412

Ion Ratio Lower Upper

105 100

134 21.3 10.7 31.9



#86

p-Isopropyltoluene

Concen: 20.154 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

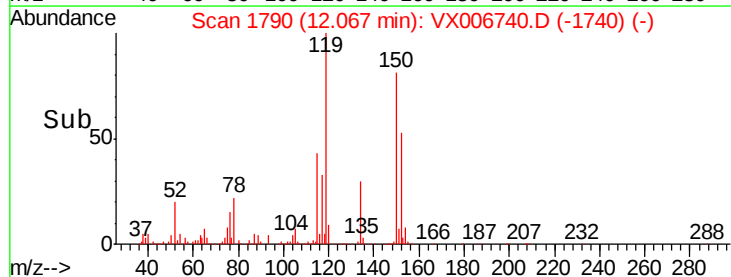
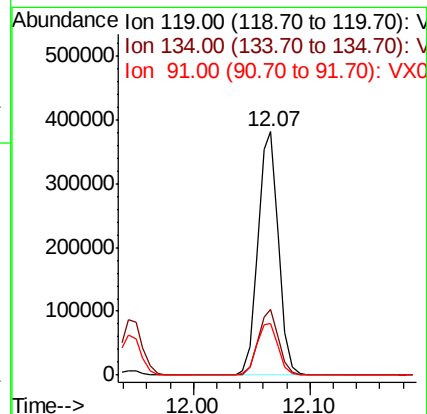
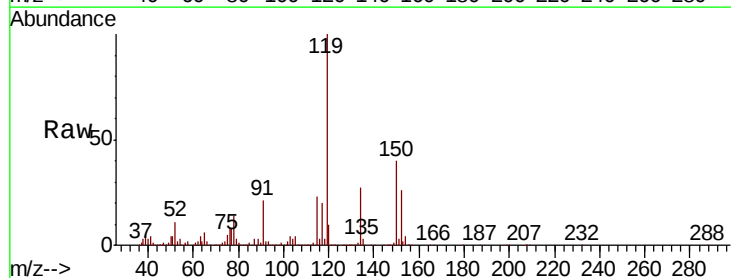
Tgt Ion:119 Resp: 464454

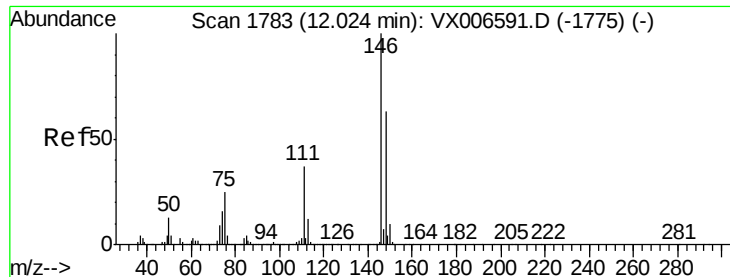
Ion Ratio Lower Upper

119 100

134 26.5 14.0 41.9

91 22.3 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 19.946 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

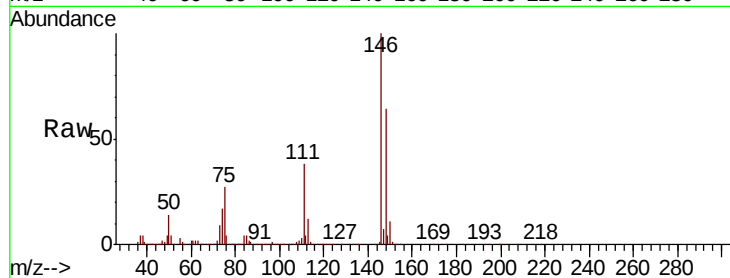
Tot Ion:146 Resp: 252084

Ion Ratio Lower Upper

146 100

111 37.7 18.6 55.8

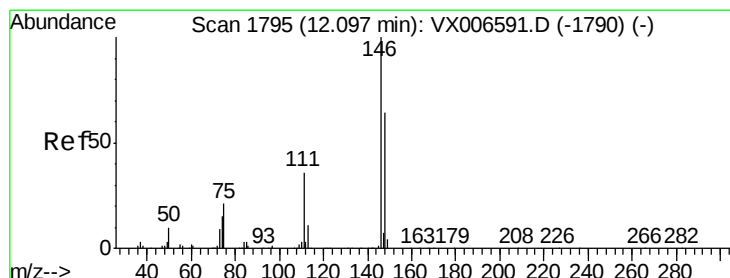
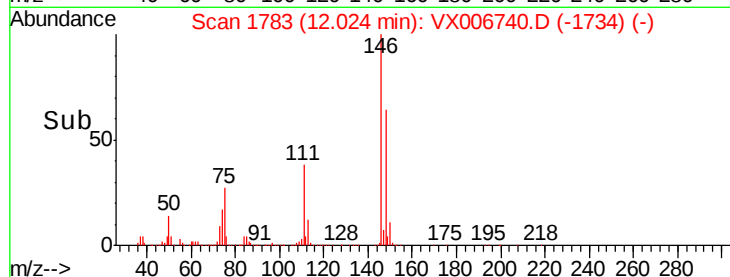
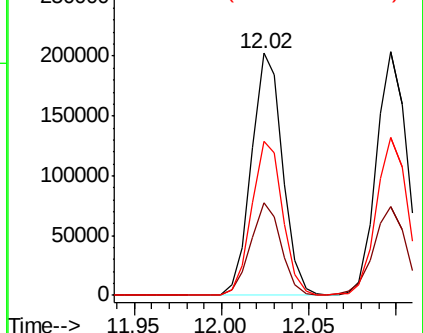
148 63.6 31.8 95.3



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: 19.242 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

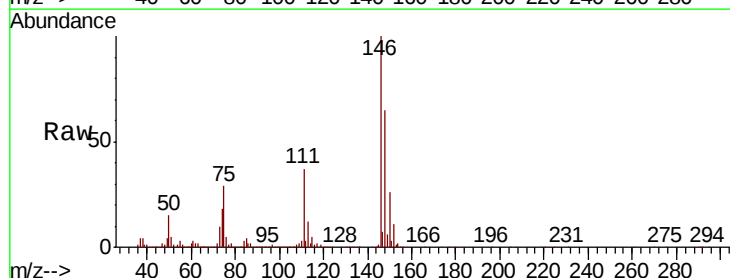
Tgt Ion:146 Resp: 249305

Ion Ratio Lower Upper

146 100

111 38.3 18.1 54.1

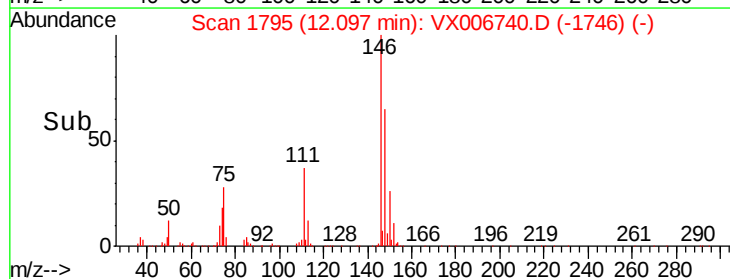
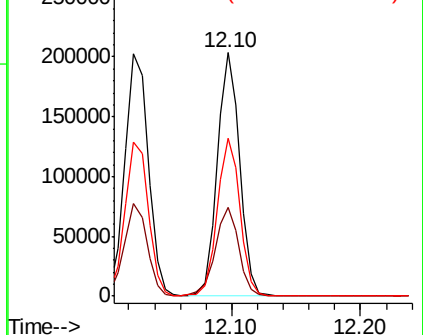
148 65.9 31.9 95.9

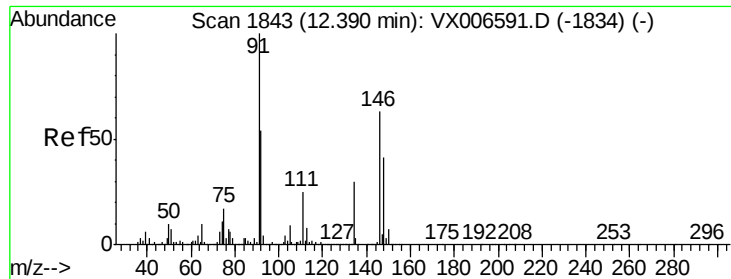


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

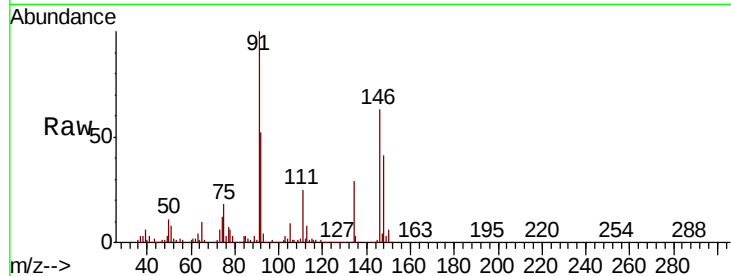




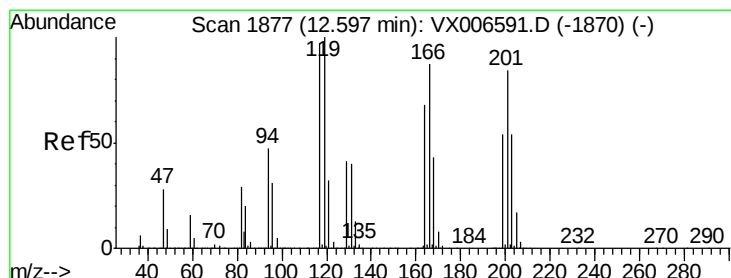
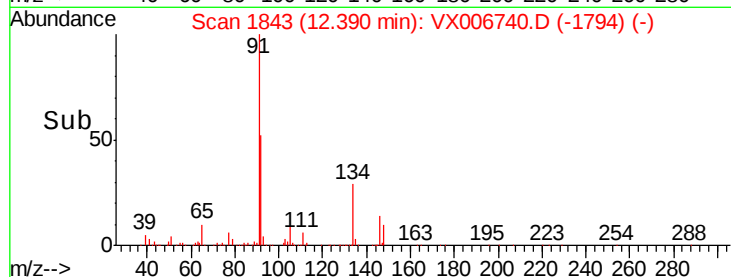
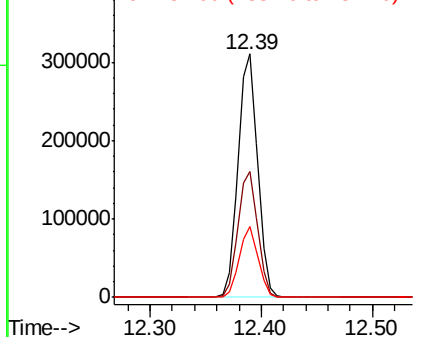
#89
n-Butylbenzene
Concen: 19.247 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

Tot Ion: 91 Resp: 377478
Ion Ratio Lower Upper
91 100
92 52.3 26.8 80.4
134 28.3 14.4 43.2

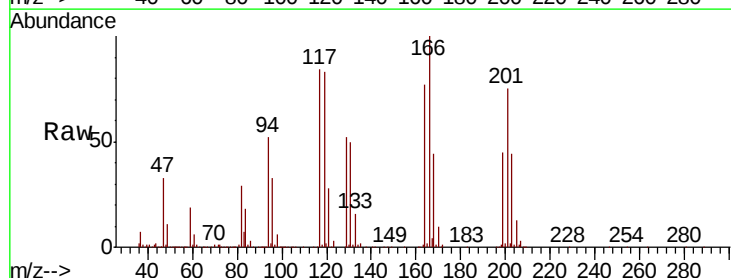


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V

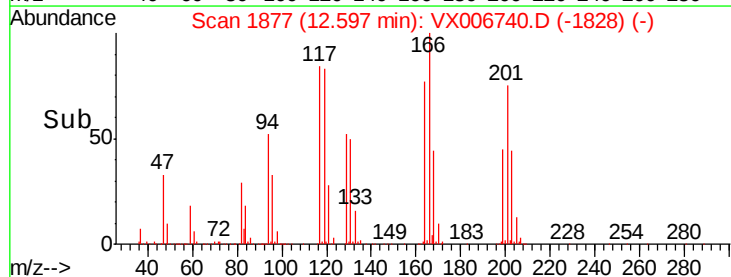
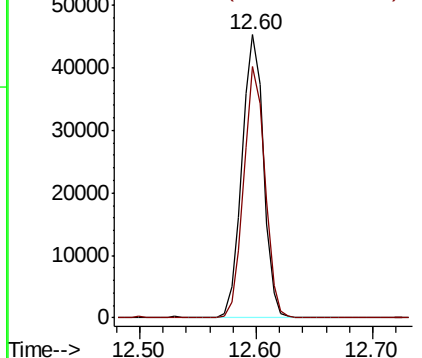


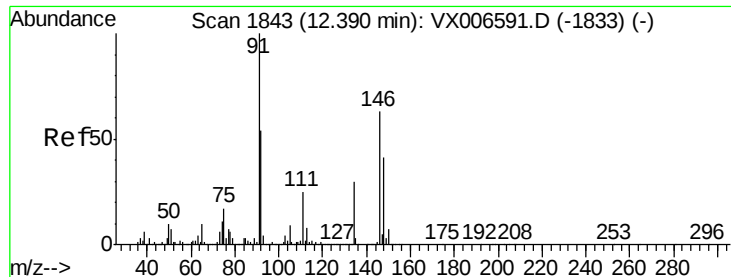
#90
Hexachloroethane
Concen: 18.574 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion: 117 Resp: 58999
Ion Ratio Lower Upper
117 100
201 87.3 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 19.825 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

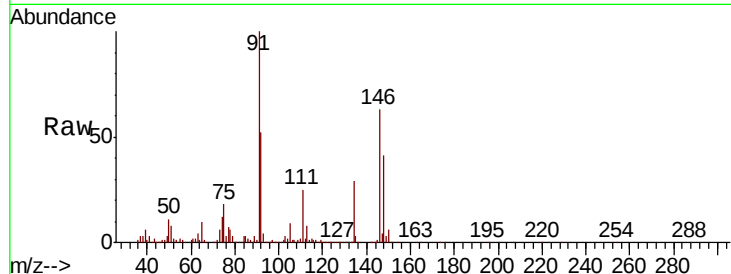
Tot Ion:146 Resp: 250641

Ion Ratio Lower Upper

146 100

111 39.2 19.4 58.2

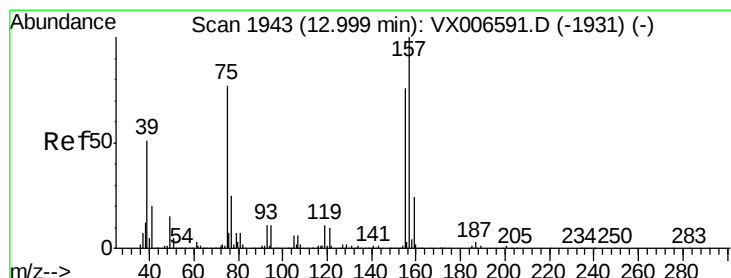
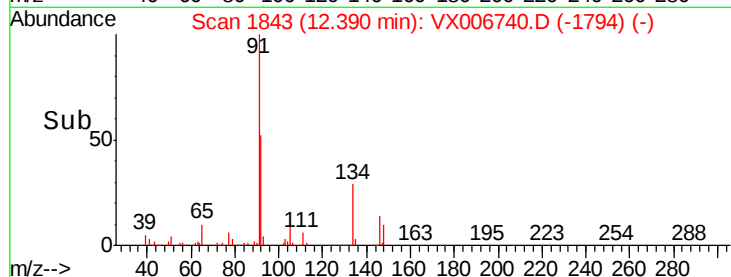
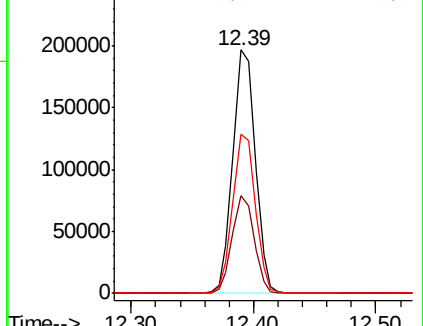
148 65.7 32.3 96.9



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: 20.462 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

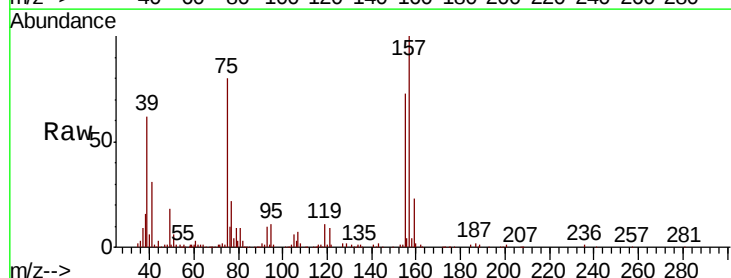
Tgt Ion: 75 Resp: 32661

Ion Ratio Lower Upper

75 100

155 97.2 50.6 151.8

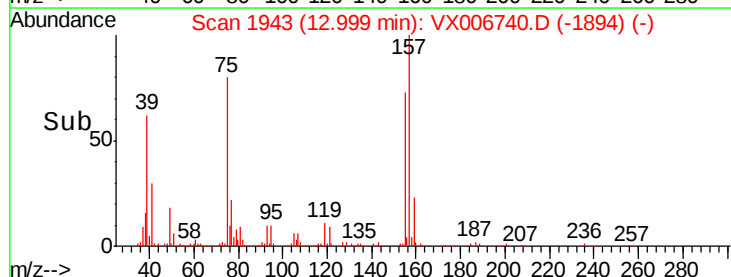
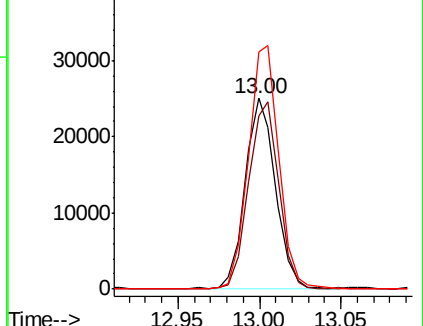
157 127.6 64.6 193.8

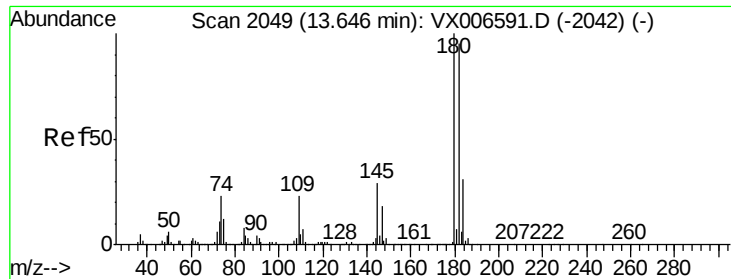


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

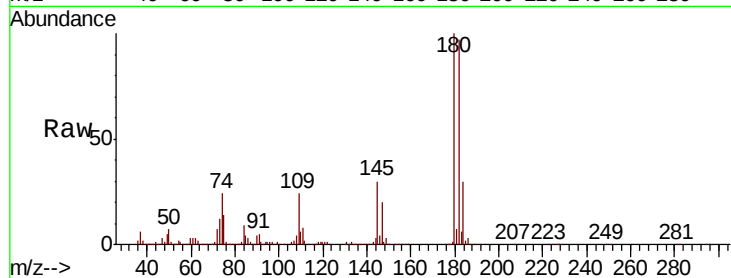




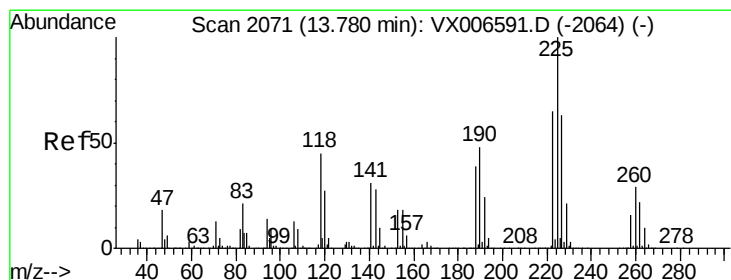
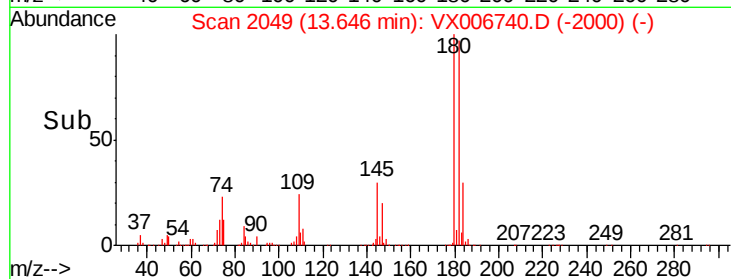
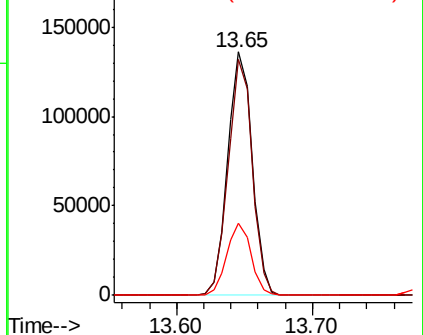
#93
 1,2,4-Trichlorobenzene
 Concen: 19.548 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006740.D
 Acq: 21 Dec 2018 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	142.0
145	29.6	14.8	44.3

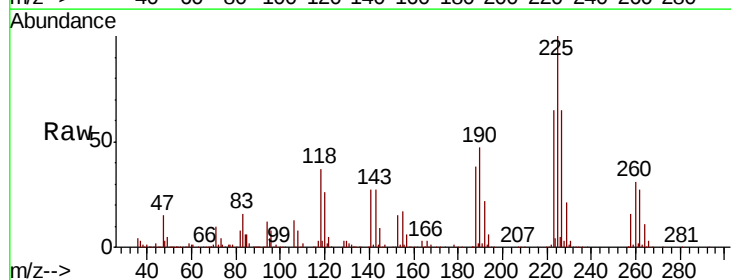


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

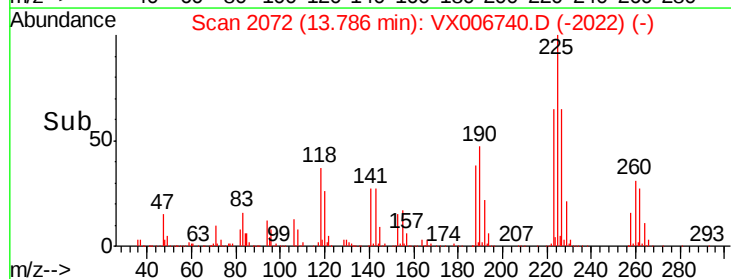
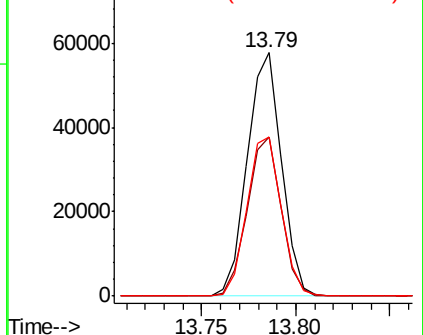


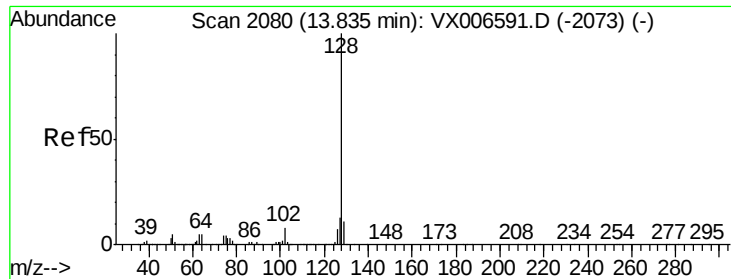
#94
 Hexachlorobutadiene
 Concen: 17.692 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VX006740.D
 Acq: 21 Dec 2018 23:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	32.1	96.3
227	65.5	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: 20.451 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

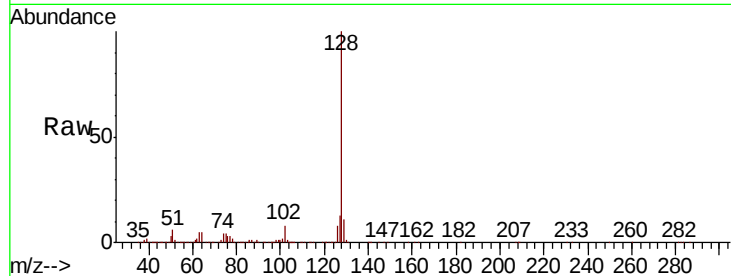
Tot Ion:128 Resp: 569239

Ion Ratio Lower Upper

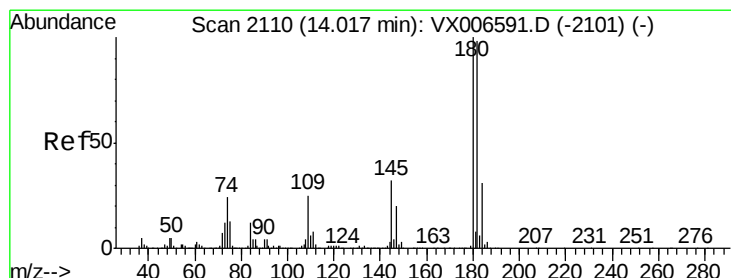
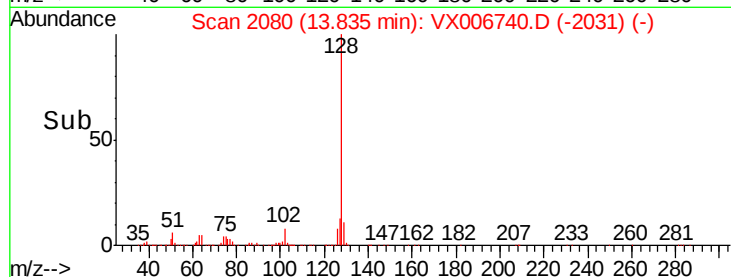
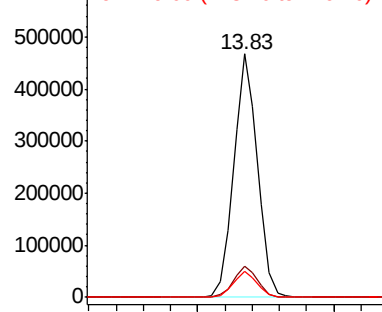
128 100

127 13.0 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: 19.384 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

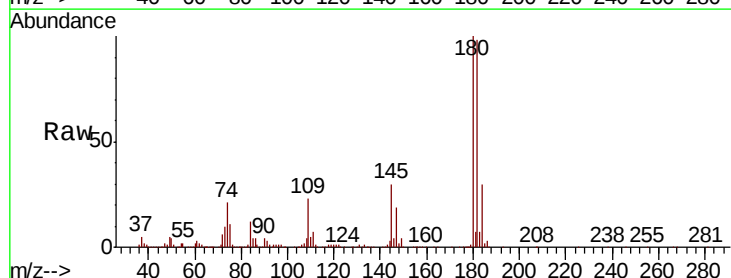
Tgt Ion:180 Resp: 174543

Ion Ratio Lower Upper

180 100

182 97.2 48.5 145.5

145 32.0 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

