

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122118\
 Data File : VX006739.D
 Acq On : 21 Dec 2018 23:04
 Operator : JC/MD
 Sample : VX1221WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBS02

Quant Time: Dec 22 04:09:01 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	530463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	837952	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	745878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	371927	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	305188	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	
35) Dibromofluoromethane	5.51	113	272787	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	8.71	98	992032	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	11.13	95	346002	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	84780	17.470	ug/l	95
3) Chloromethane	1.33	50	90963	17.399	ug/l	95
4) Vinyl Chloride	1.41	62	107165	19.626	ug/l	95
5) Bromomethane	1.64	94	101548	18.730	ug/l	97
6) Chloroethane	1.73	64	70301	18.594	ug/l	97
7) Trichlorofluoromethane	1.93	101	175610	20.628	ug/l	100
8) Diethyl Ether	2.19	74	69388	20.521	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	100152	20.036	ug/l	98
10) Methyl Iodide	2.51	142	136373	19.060	ug/l	99
11) Tert butyl alcohol	3.08	59	152701	119.681	ug/l	100
12) 1,1-Dichloroethene	2.38	96	95766	20.206	ug/l	97
13) Acrolein	2.30	56	90550	105.201	ug/l	97
14) Allyl chloride	2.73	41	159978	20.053	ug/l	98
15) Acrylonitrile	3.15	53	322934	113.994	ug/l	99
16) Acetone	2.45	43	280308	106.718	ug/l	96
17) Carbon Disulfide	2.57	76	206604	16.472	ug/l	99
18) Methyl Acetate	2.78	43	191704	24.821	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	343583	21.842	ug/l	98
20) Methylene Chloride	2.86	84	110294	20.307	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	103082	19.629	ug/l	97
22) Diisopropyl ether	3.87	45	313943	21.511	ug/l	95
23) Vinyl Acetate	3.83	43	1232842	103.269	ug/l	99
24) 1,1-Dichloroethane	3.70	63	175469	20.140	ug/l	99
25) 2-Butanone	4.70	43	407027	110.166	ug/l	99
26) 2,2-Dichloropropane	4.59	77	88072	13.086	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	118445	20.443	ug/l	98
28) Bromochloromethane	5.02	49	85726	22.315	ug/l	98
29) Tetrahydrofuran	5.16	42	271763	111.679	ug/l	100
30) Chloroform	5.22	83	188108	20.849	ug/l	100
31) Cyclohexane	5.57	56	152923	19.321	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	151317	19.863	ug/l	98
36) 1,1-Dichloropropene	5.80	75	133100	19.178	ug/l	98
37) Ethyl Acetate	4.86	43	154213	21.349	ug/l	99
38) Carbon Tetrachloride	5.79	117	124888	18.516	ug/l	96

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Quant Time: Dec 22 04:09:01 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)
39) Methylcyclohexane	7.46	83	161723	17.700	ug/l	98
40) Benzene	6.15	78	420365	19.926	ug/l	100
41) Methacrylonitrile	5.06	41	85215	22.220	ug/l	99
42) 1,2-Dichloroethane	6.20	62	144672	20.125	ug/l	99
43) Isopropyl Acetate	6.46	43	226094	20.571	ug/l	99
44) Trichloroethene	7.22	130	120363	18.851	ug/l	93
45) 1,2-Dichloropropane	7.52	63	105772	20.604	ug/l	95
46) Dibromomethane	7.66	93	74317	19.681	ug/l	98
47) Bromodichloromethane	7.90	83	117623	18.762	ug/l	99
48) Methyl methacrylate	7.77	41	118831	21.261	ug/l	98
49) 1,4-Dioxane	7.76	88	63999	426.232	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	777869	111.233	ug/l	99
52) Toluene	8.79	92	264174	19.383	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	115273	17.145	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	135754	18.401	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	114524	20.529	ug/l	98
56) Ethyl methacrylate	9.18	69	157021	19.915	ug/l	95
57) 1,3-Dichloropropane	9.37	76	181909	20.268	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	432998	103.313	ug/l	100
59) 2-Hexanone	9.49	43	586202	109.559	ug/l	100
60) Dibromochloromethane	9.59	129	98570	18.433	ug/l	98
61) 1,2-Dibromoethane	9.67	107	122605	20.675	ug/l	99
64) Tetrachloroethene	9.34	164	117517	19.897	ug/l	96
65) Chlorobenzene	10.14	112	306450	19.421	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	99755	20.262	ug/l	98
67) Ethyl Benzene	10.25	91	503390	19.523	ug/l	99
68) m/p-Xylenes	10.36	106	395655	38.886	ug/l	99
69) o-Xylene	10.70	106	196151	19.523	ug/l	97
70) Styrene	10.71	104	309037	19.442	ug/l	99
71) Bromoform	10.86	173	68892	18.590	ug/l	99
73) Isopropylbenzene	11.02	105	520678	20.463	ug/l	99
74) N-amyl acetate	10.90	43	198484	21.793	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	171111	22.612	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	168938	24.441	ug/l	93
77) Bromobenzene	11.26	156	137557	19.997	ug/l	98
78) n-propylbenzene	11.36	91	566540	20.220	ug/l	99
79) 2-Chlorotoluene	11.42	91	336291	19.805	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	421155	20.096	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	29121	15.969	ug/l #	81
82) 4-Chlorotoluene	11.51	91	388307	19.937	ug/l	99
83) tert-Butylbenzene	11.77	119	427132	20.364	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	438876	19.909	ug/l	100
85) sec-Butylbenzene	11.94	105	510298	19.843	ug/l	100
86) p-Isopropyltoluene	12.07	119	457116	20.221	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	247545	19.967	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	243392	19.151	ug/l	98
89) n-Butylbenzene	12.39	91	368856	19.172	ug/l	98
90) Hexachloroethane	12.60	117	58092	18.631	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	244712	19.732	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	32038	20.462	ug/l	96

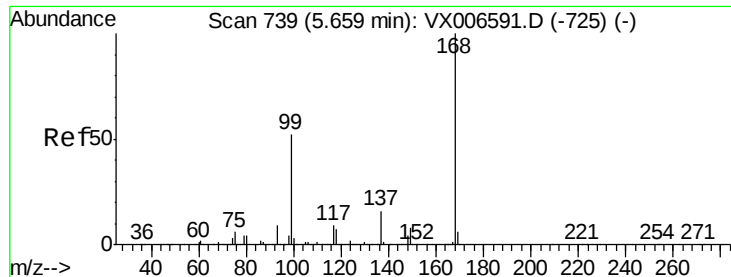
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122118\
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Instrument :
MSVOA_X
ClientSampleId :
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Quant Time: Dec 22 04:09:01 2018
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Quant Title : SW846 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	162823	19.033	ug/l	99
94) Hexachlorobutadiene	13.79	225	73177	18.148	ug/l	97
95) Naphthalene	13.83	128	554941	20.325	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	169945	19.240	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

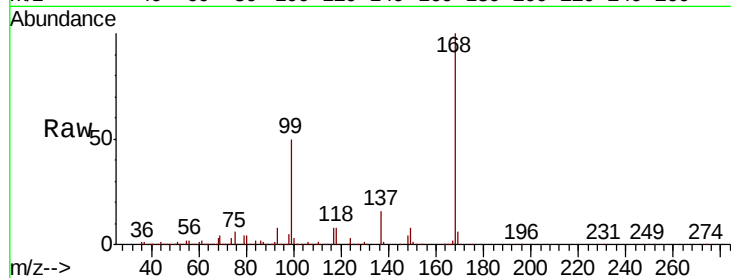
VX1221WBS02

Tot Ion:168 Resp: 530463

Ion Ratio Lower Upper

168 100

99 49.9 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

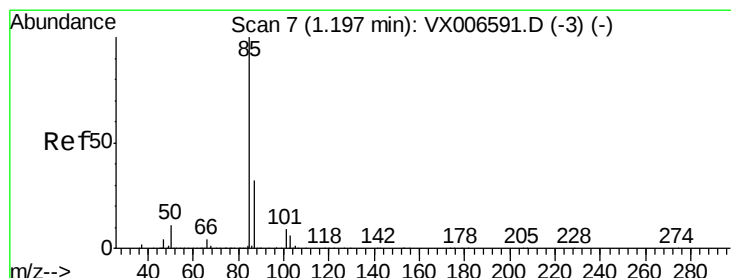
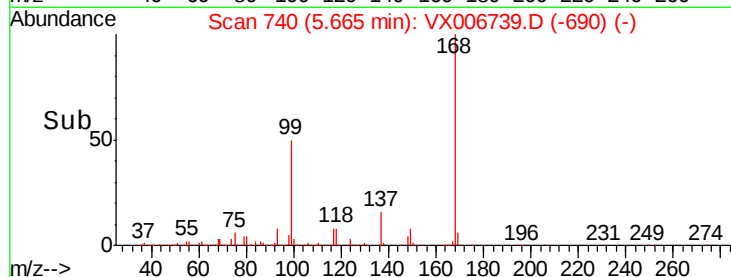
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.470 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX006739.D

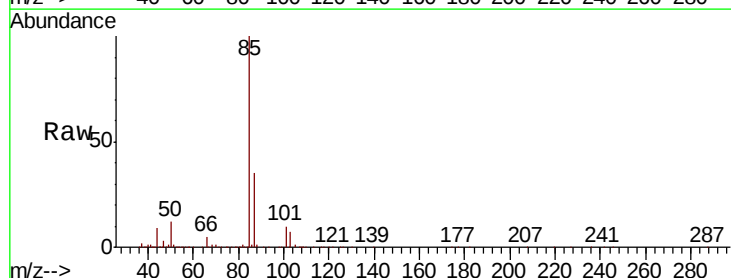
Acq: 21 Dec 2018 23:04

Tgt Ion: 85 Resp: 84780

Ion Ratio Lower Upper

85 100

87 34.7 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

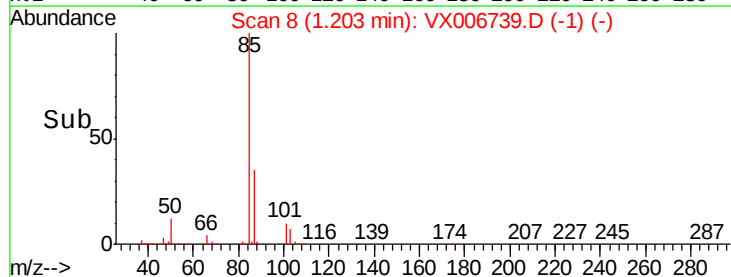
40000

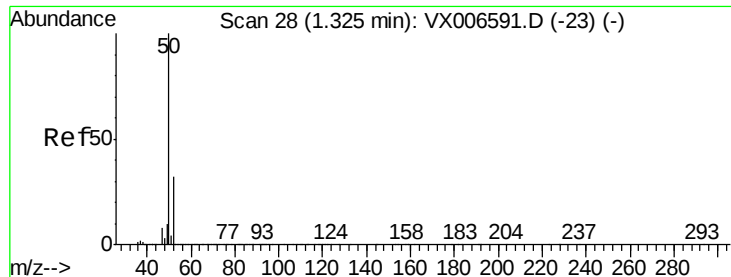
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Time-->

1.15 1.20 1.25

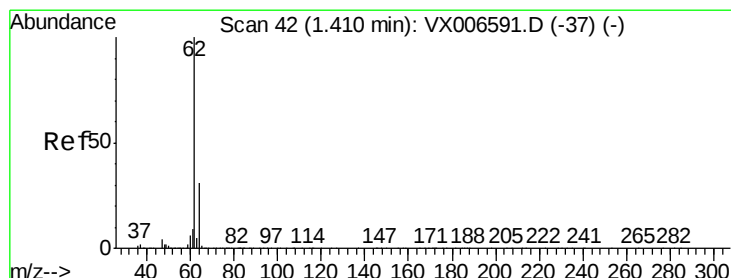
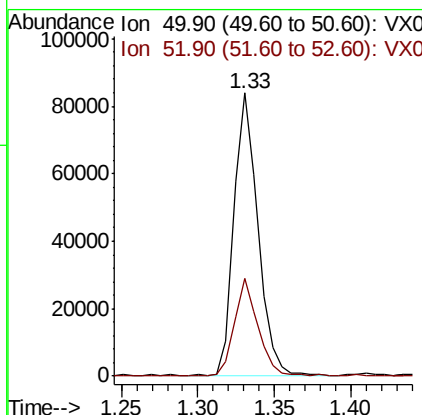
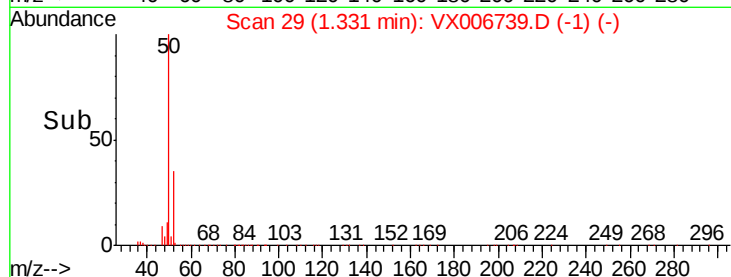
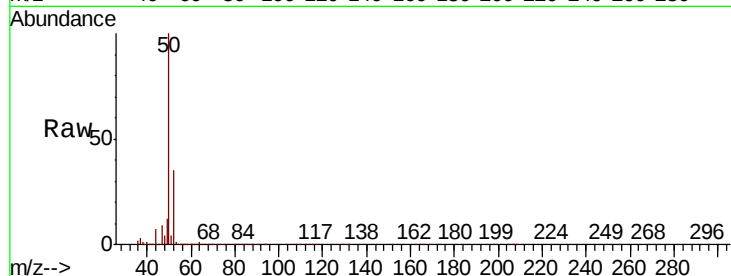




#3
Chloromethane
Concen: 17.399 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.01 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

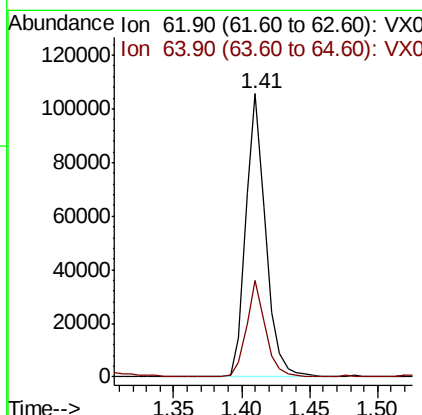
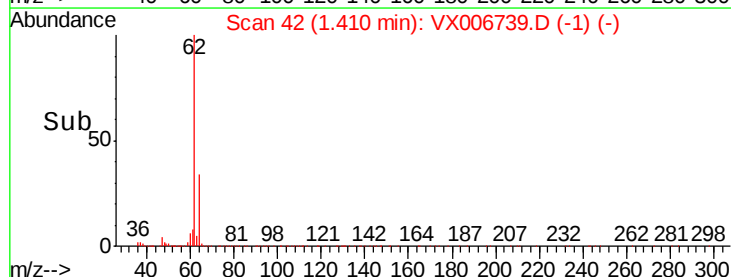
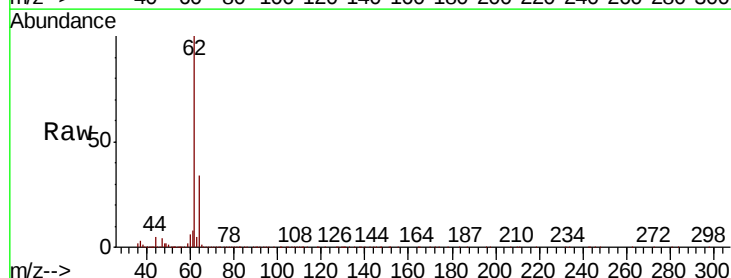
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBS02

Tot Ion: 50 Resp: 90963
Ion Ratio Lower Upper
50 100
52 34.7 25.4 38.2



#4
Vinyl Chloride
Concen: 19.626 ug/l
RT: 1.41 min Scan# 42
Delta R.T. -0.00 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

Tgt Ion: 62 Resp: 107165
Ion Ratio Lower Upper
62 100
64 34.0 25.1 37.7





#5

Bromomethane

Concen: 18.730 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

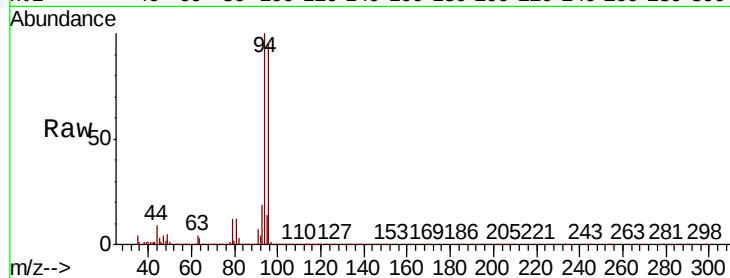
VX1221WBS02

Tot Ion: 94 Resp: 101548

Ion Ratio Lower Upper

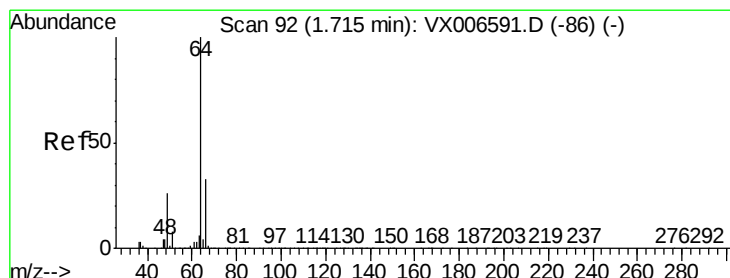
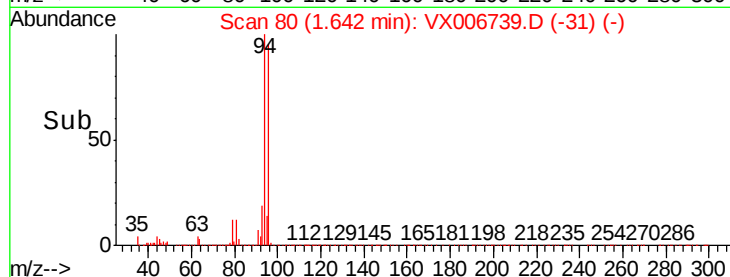
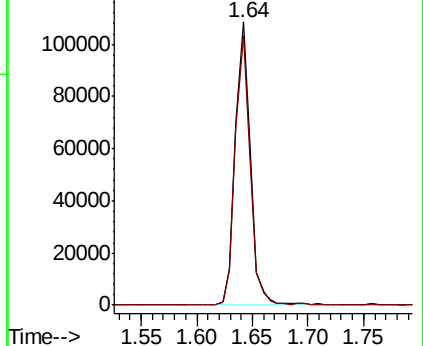
94 100

96 95.0 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.594 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX006739.D

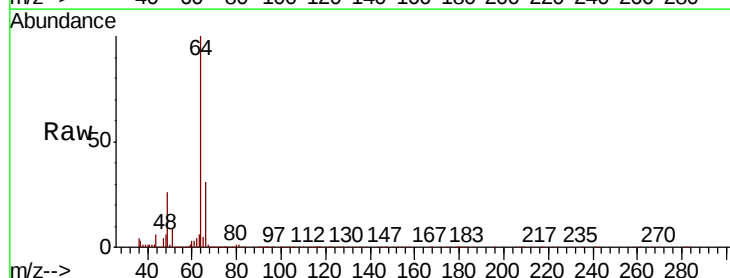
Acq: 21 Dec 2018 23:04

Tgt Ion: 64 Resp: 70301

Ion Ratio Lower Upper

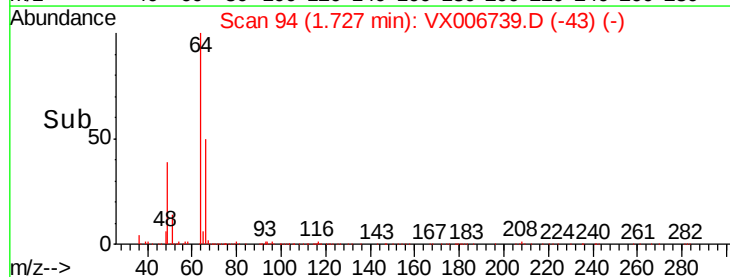
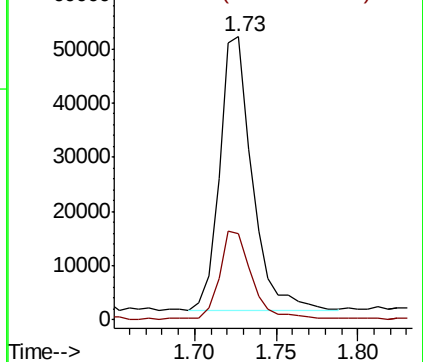
64 100

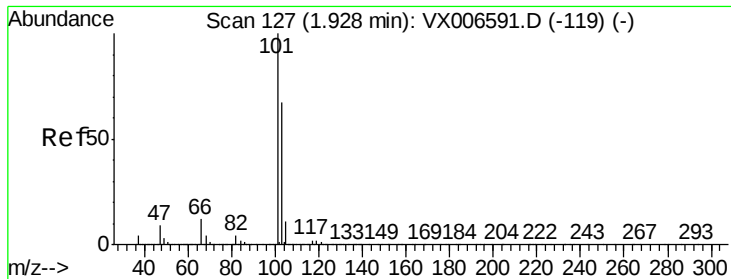
66 31.1 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



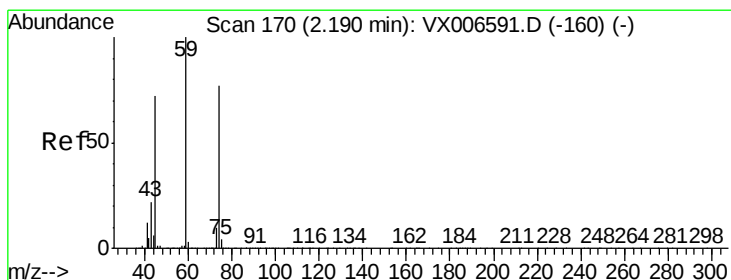
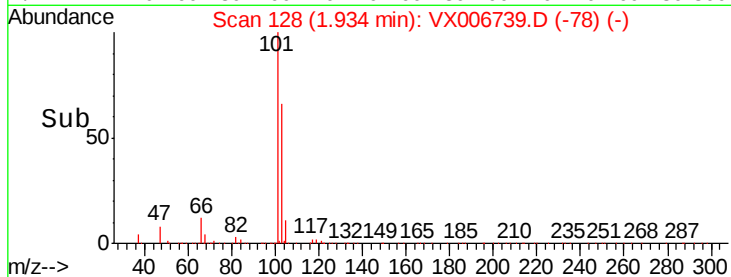
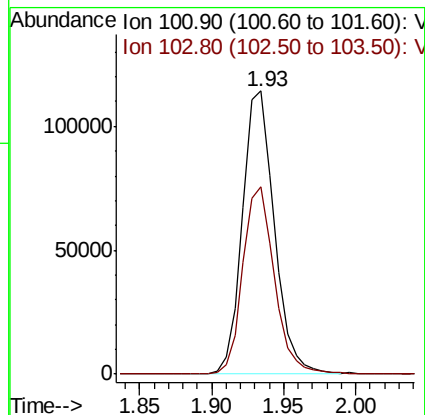
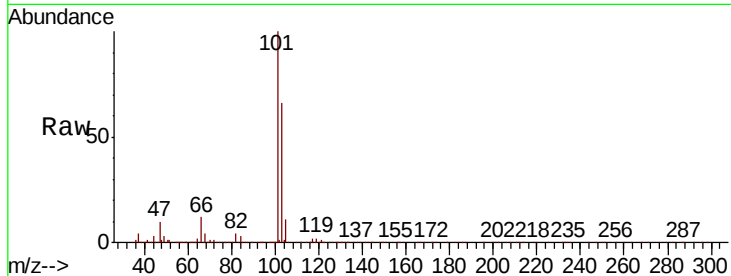


#7

Trichlorofluoromethane
Concen: 20.628 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBS02

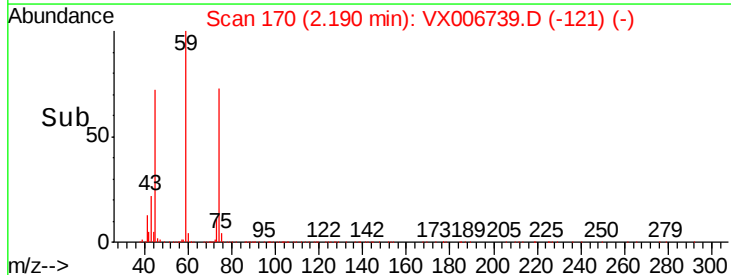
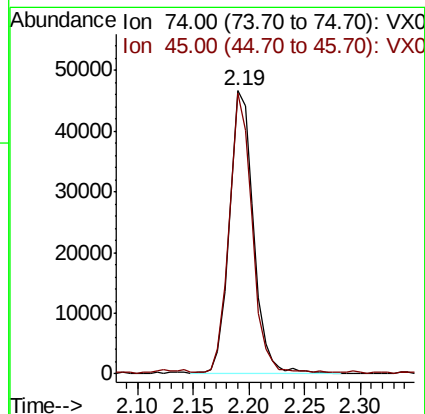
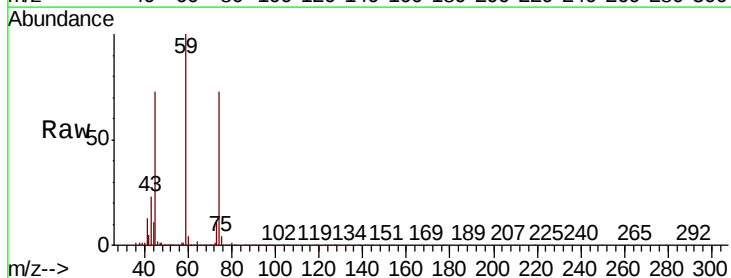
Tot Ion:101 Resp: 175610
Ion Ratio Lower Upper
101 100
103 66.2 53.2 79.8



#8

Diethyl Ether
Concen: 20.521 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

Tgt Ion: 74 Resp: 69388
Ion Ratio Lower Upper
74 100
45 94.2 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.036 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBS02

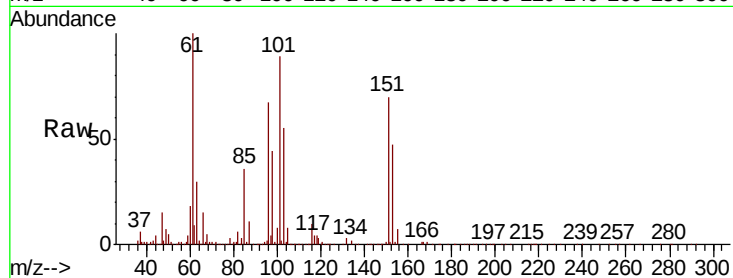
Tot Ion:101 Resp: 100152

Ion Ratio Lower Upper

101 100

85 42.8 35.1 52.7

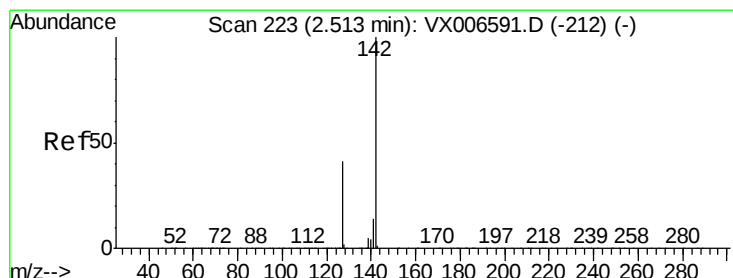
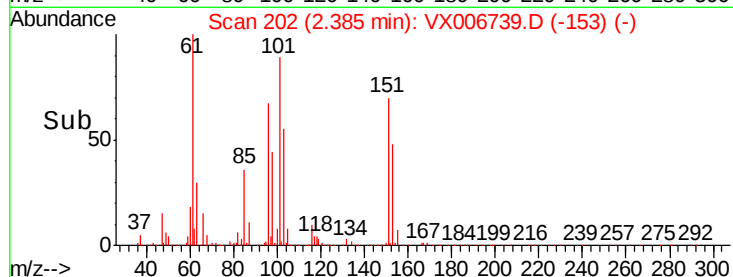
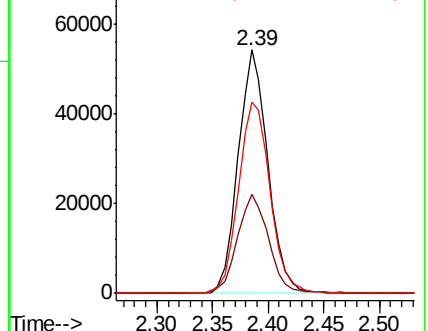
151 84.0 68.9 103.3



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: 19.060 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

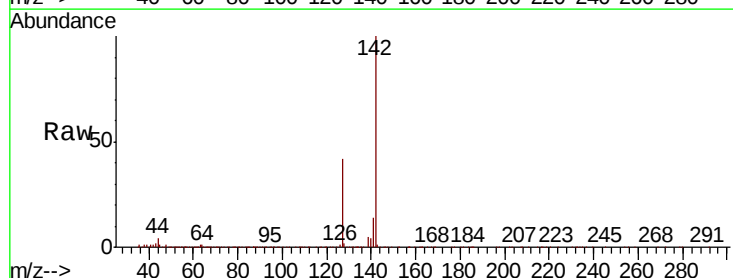
Tgt Ion:142 Resp: 136373

Ion Ratio Lower Upper

142 100

127 43.1 33.9 50.9

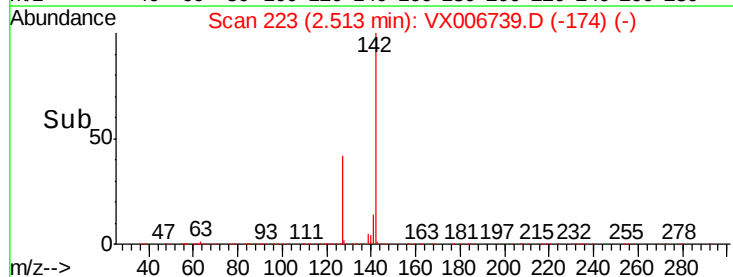
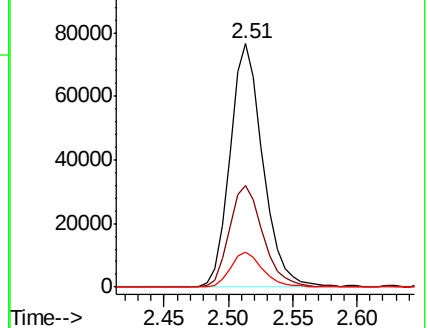
141 14.5 11.4 17.0

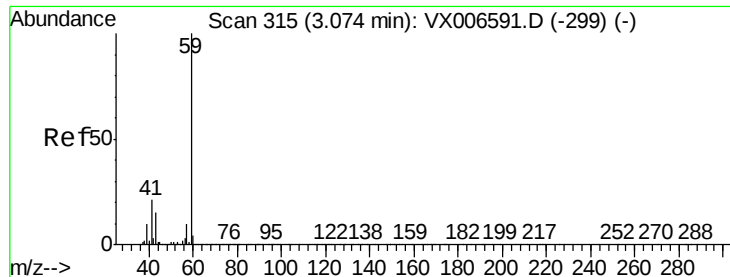


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



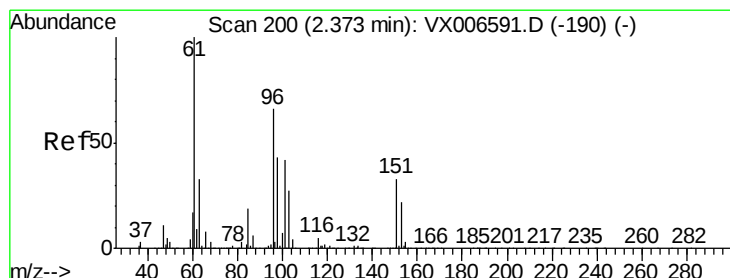
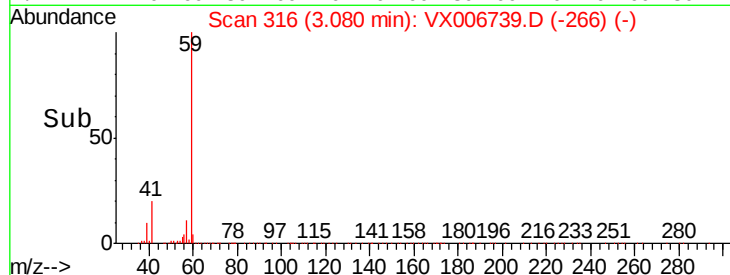
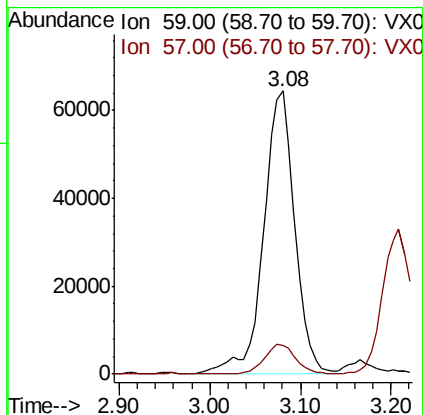
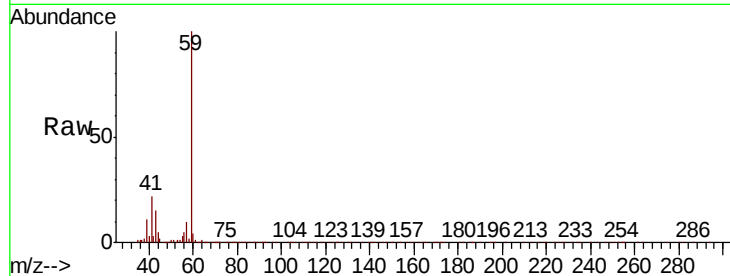


#11

Tert butyl alcohol
Concen: 119.681 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBS02

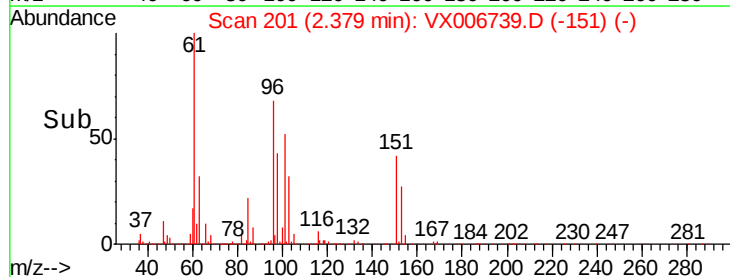
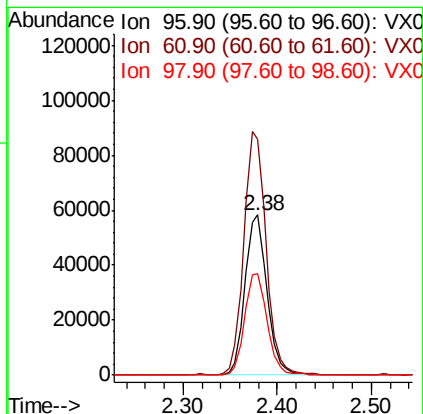
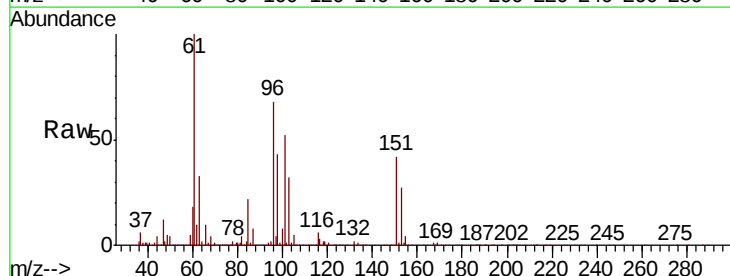
Tot Ion: 59 Resp: 152701
Ion Ratio Lower Upper
59 100
57 10.7 8.5 12.7

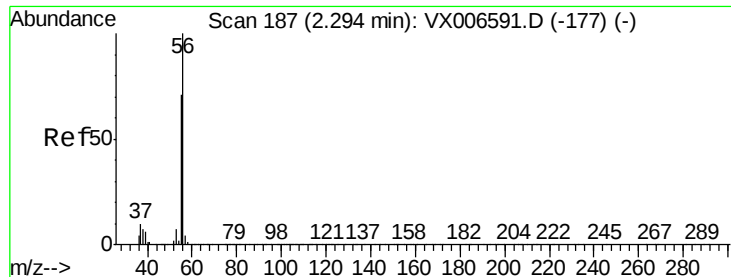


#12

1,1-Dichloroethene
Concen: 20.206 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

Tgt Ion: 96 Resp: 95766
Ion Ratio Lower Upper
96 100
61 147.2 121.4 182.2
98 63.4 51.9 77.9





#13

Acrolein

Concen: 105.201 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

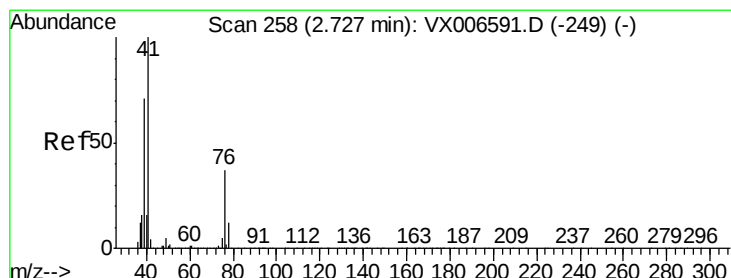
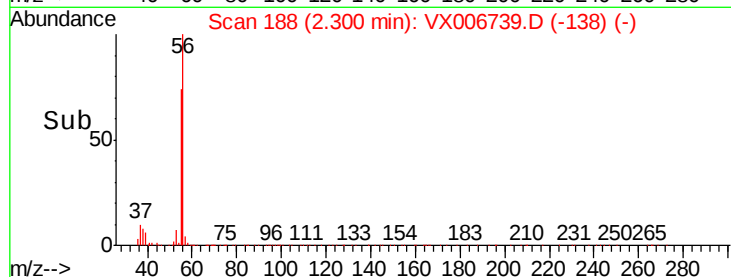
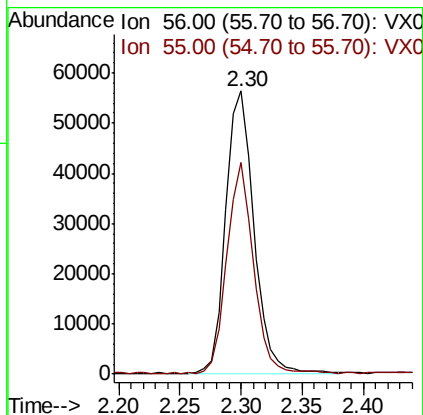
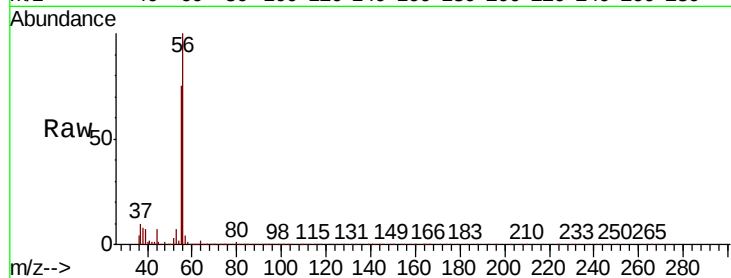
VX1221WBS02

Tot Ion: 56 Resp: 90550

Ion Ratio Lower Upper

56 100

55 69.9 58.2 87.4



#14

Allyl chloride

Concen: 20.053 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

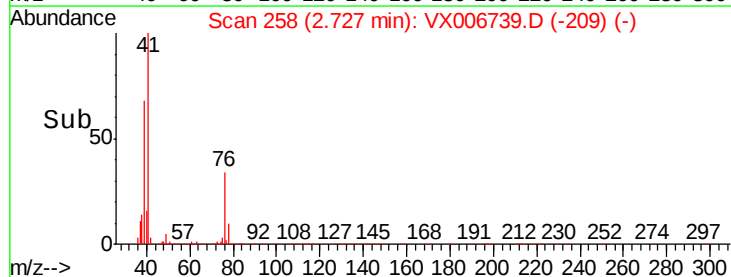
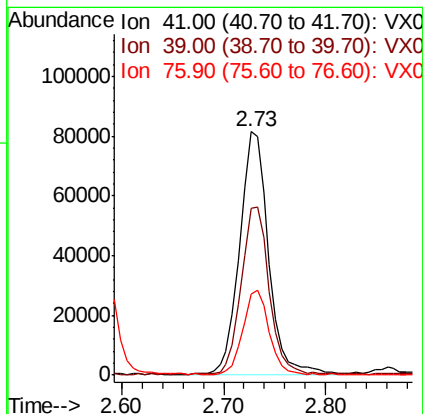
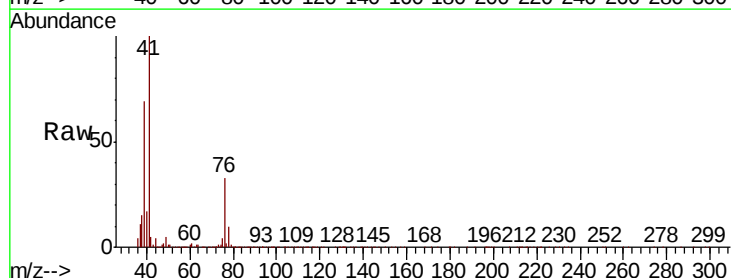
Tgt Ion: 41 Resp: 159978

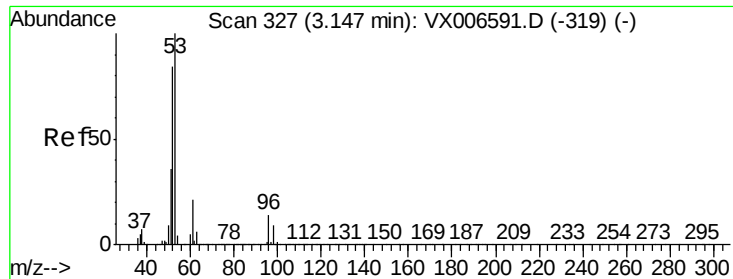
Ion Ratio Lower Upper

41 100

39 66.6 53.6 80.4

76 31.6 27.4 41.2





#15

Acrylonitrile

Concen: 113.994 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBS02

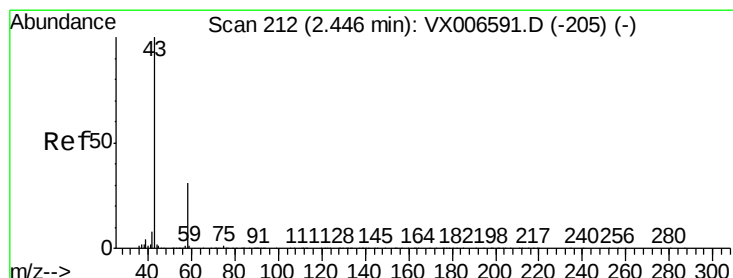
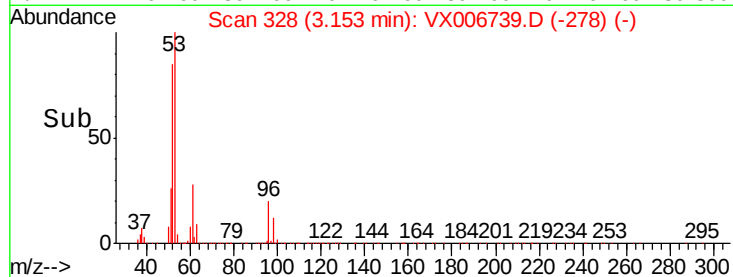
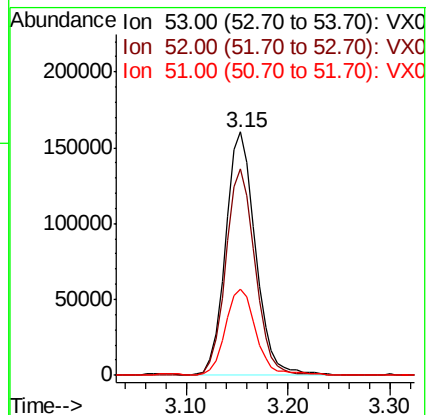
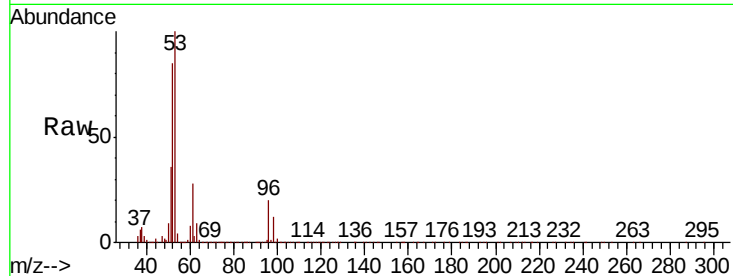
Tot Ion: 53 Resp: 322934

Ion Ratio Lower Upper

53 100

52 83.3 66.0 99.0

51 35.9 28.6 42.8



#16

Acetone

Concen: 106.718 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006739.D

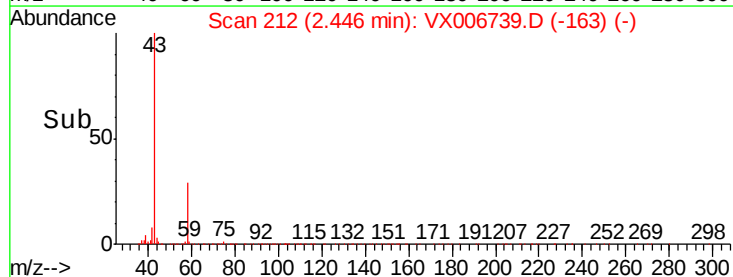
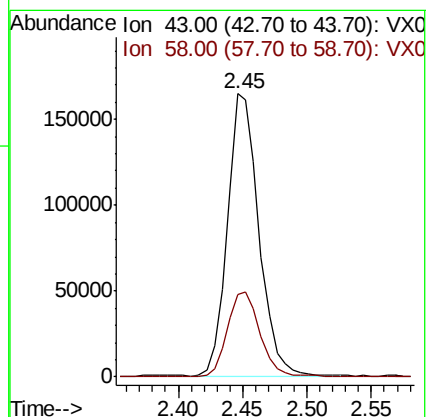
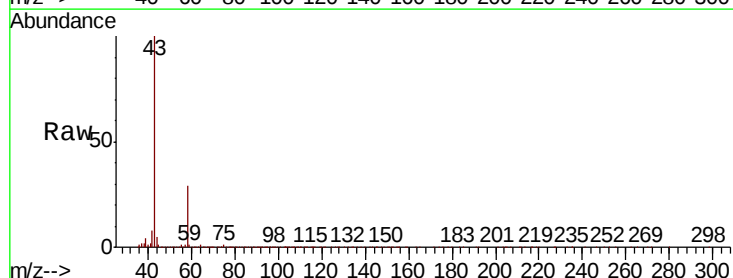
Acq: 21 Dec 2018 23:04

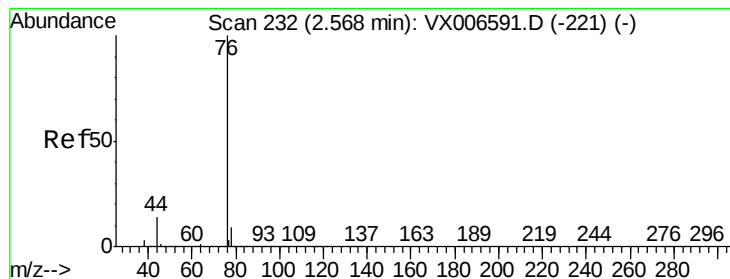
Tgt Ion: 43 Resp: 280308

Ion Ratio Lower Upper

43 100

58 29.2 25.0 37.6





#17

Carbon Disulfide

Concen: 16.472 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

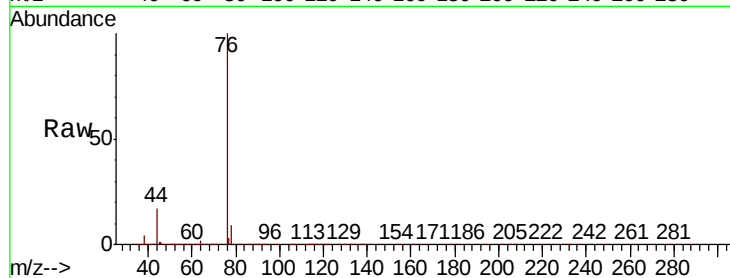
VX1221WBS02

Tot Ion: 76 Resp: 206604

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

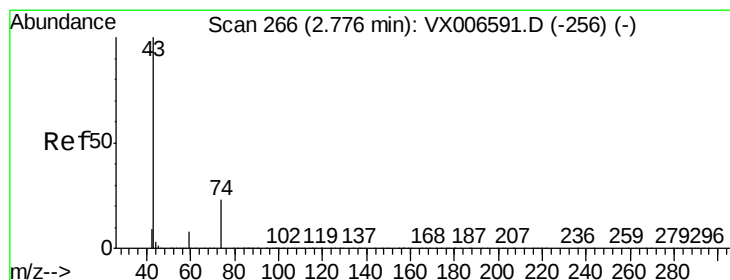
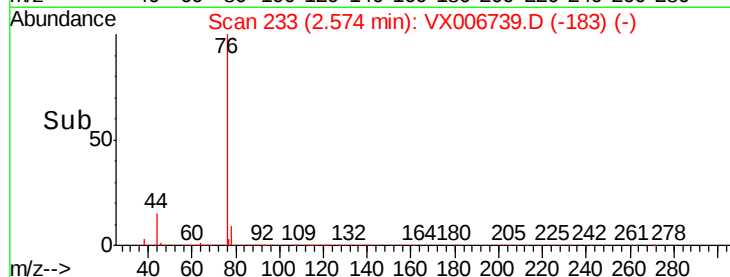
100000

50000

0

Time-->

2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 24.821 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006739.D

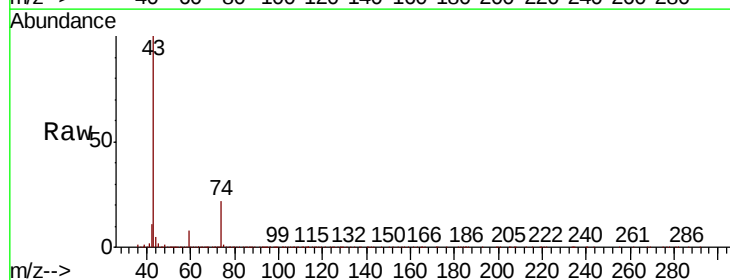
Acq: 21 Dec 2018 23:04

Tgt Ion: 43 Resp: 191704

Ion Ratio Lower Upper

43 100

74 23.1 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

120000

100000

80000

60000

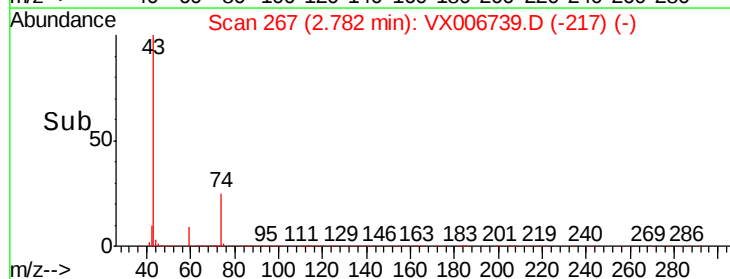
40000

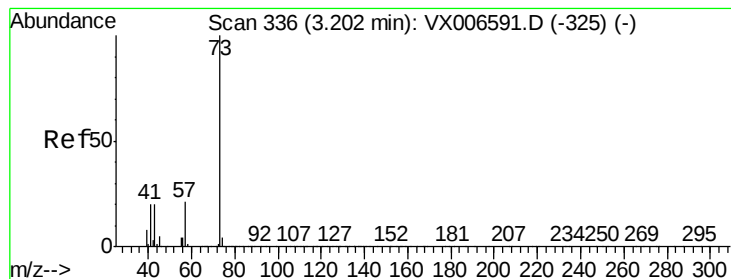
20000

0

Time-->

2.70 2.75 2.80 2.85 2.90



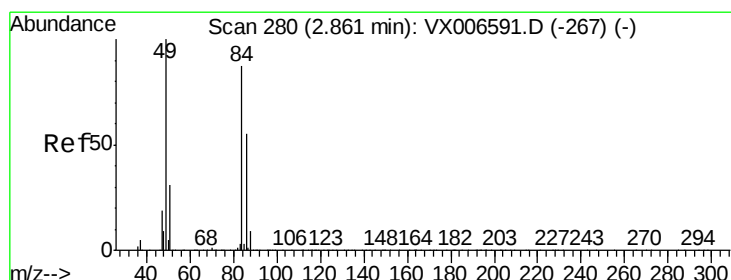
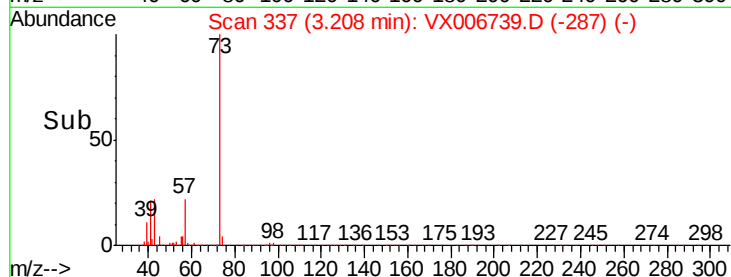
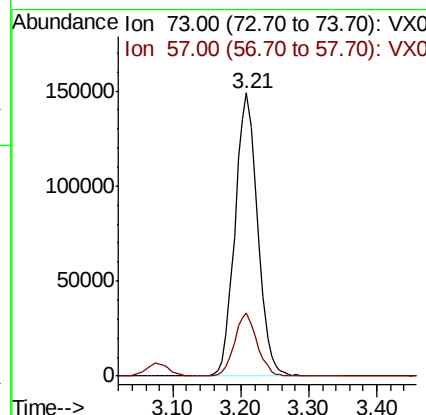
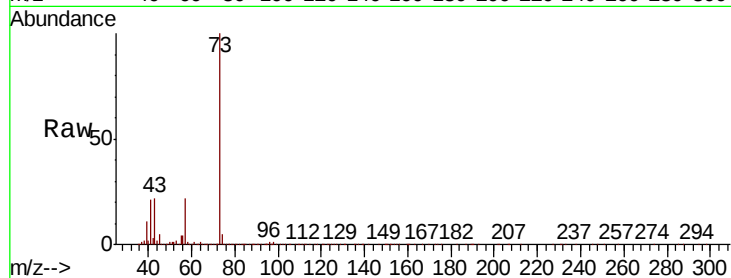


#19

Methyl tert-butyl Ether
 Concen: 21.842 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX006739.D
 Acq: 21 Dec 2018 23:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBS02

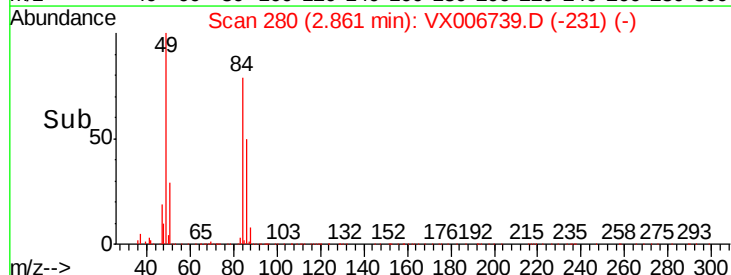
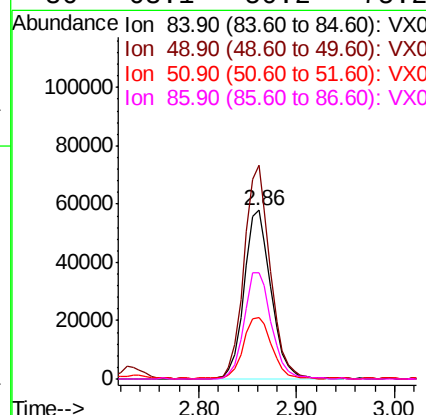
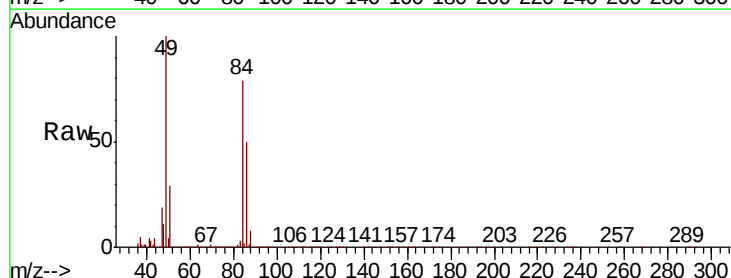
Tot Ion: 73 Resp: 343583
 Ion Ratio Lower Upper
 73 100
 57 22.1 16.8 25.2

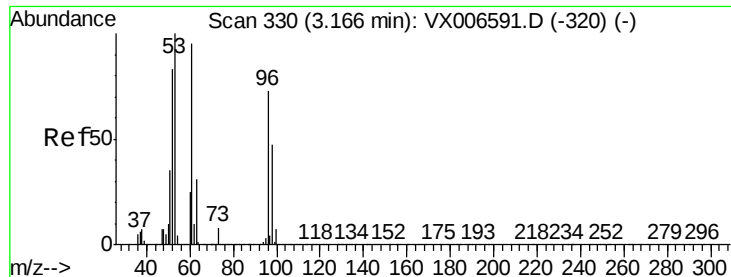


#20

Methylene Chloride
 Concen: 20.307 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VX006739.D
 Acq: 21 Dec 2018 23:04

Tgt Ion: 84 Resp: 110294
 Ion Ratio Lower Upper
 84 100
 49 126.5 91.8 137.6
 51 36.5 28.5 42.7
 86 63.1 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 19.629 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBS02

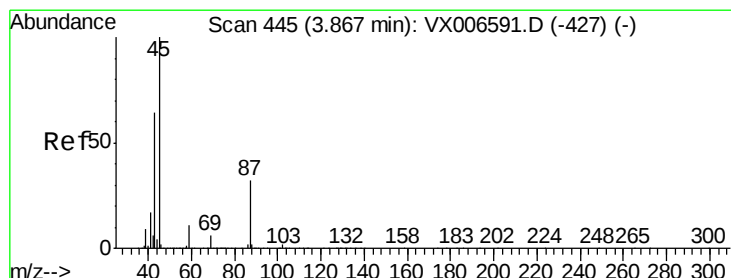
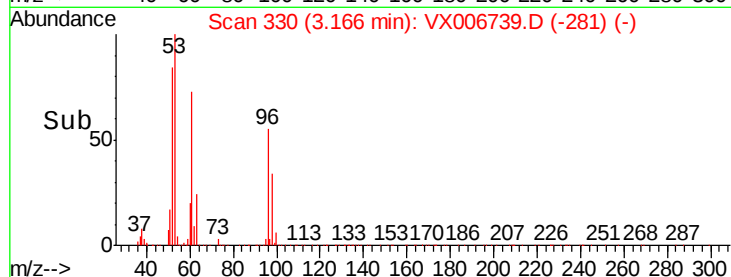
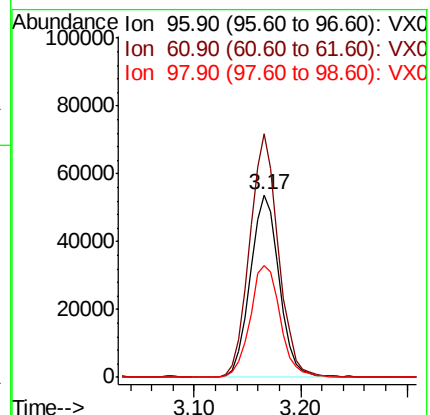
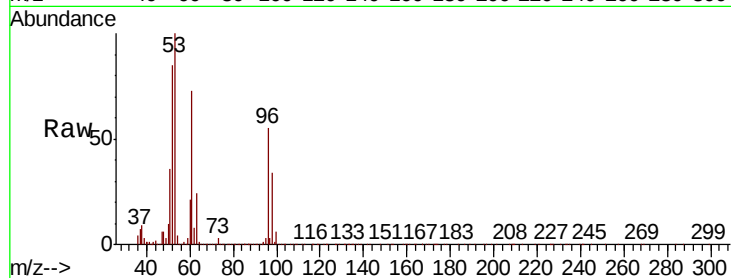
Tot Ion: 96 Resp: 103082

Ion Ratio Lower Upper

96 100

61 132.9 103.7 155.5

98 61.2 51.0 76.6



#22

Diisopropyl ether

Concen: 21.511 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Tgt Ion: 45 Resp: 313943

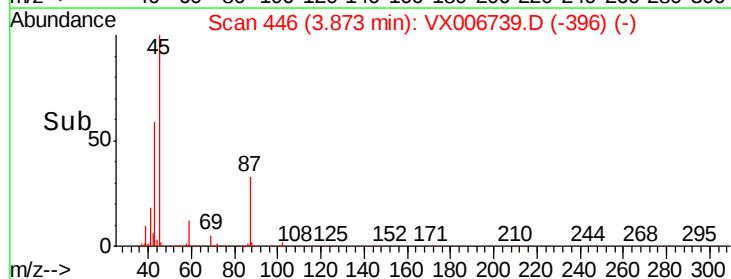
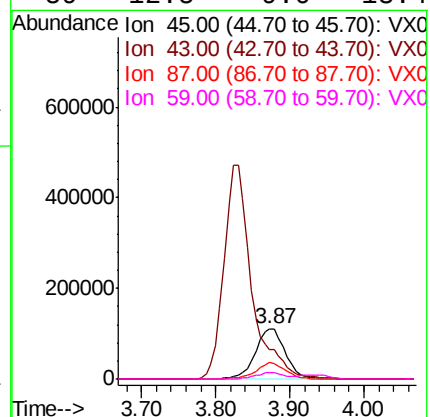
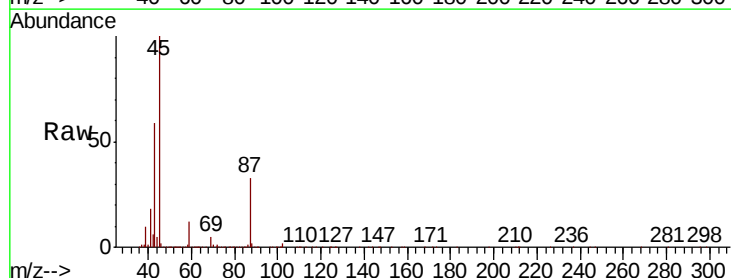
Ion Ratio Lower Upper

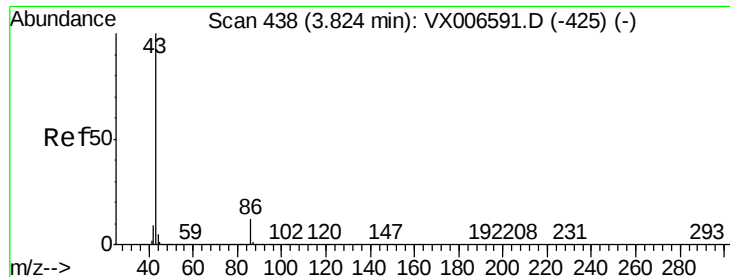
45 100

43 59.1 51.2 76.8

87 32.9 25.8 38.6

59 12.5 9.0 13.4





#23

Vinyl Acetate

Concen: 103.269 ug/l

RT: 3.83 min Scan# 439

Delta R.T. 0.01 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

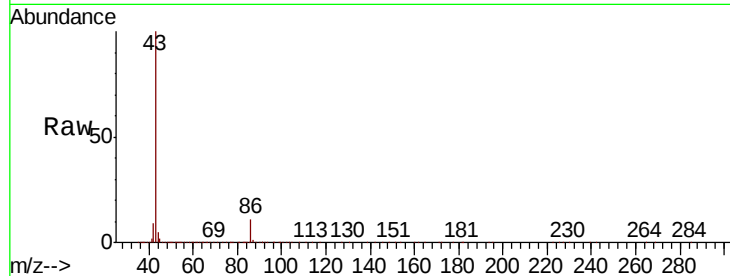
VX1221WBS02

Tot Ion: 43 Resp: 1232842

Ion Ratio Lower Upper

43 100

86 11.2 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VX006739.D (-389) (-)

Ion 86.00 (85.70 to 86.70): VX006739.D (-389) (-)

3.83

500000

400000

300000

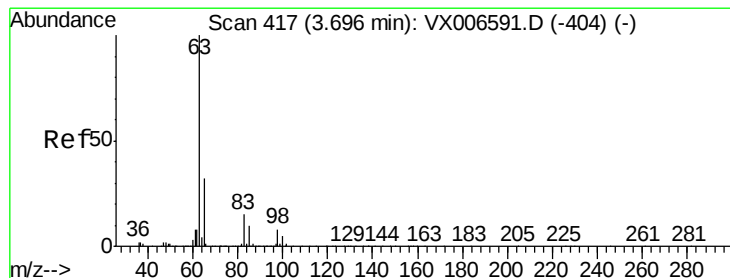
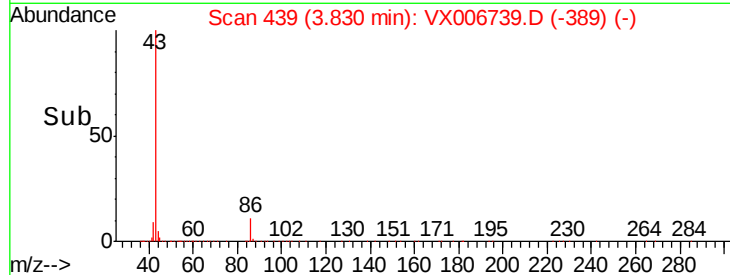
200000

100000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 20.140 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

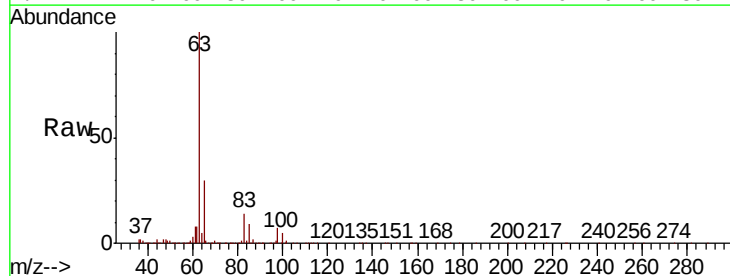
Tgt Ion: 63 Resp: 175469

Ion Ratio Lower Upper

63 100

98 7.0 3.9 11.5

100 4.9 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX006739.D (-368) (-)

Ion 97.90 (97.60 to 98.60): VX006739.D (-368) (-)

Ion 99.90 (99.60 to 100.60): VX006739.D (-368) (-)

3.70

100000

80000

60000

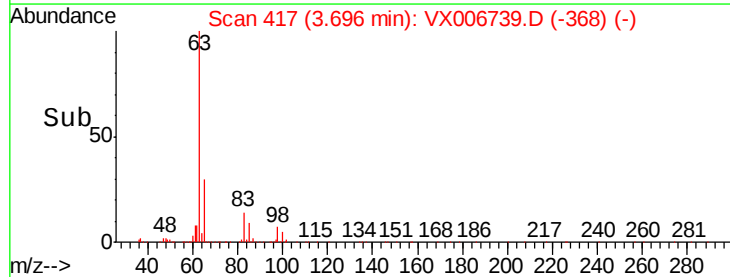
40000

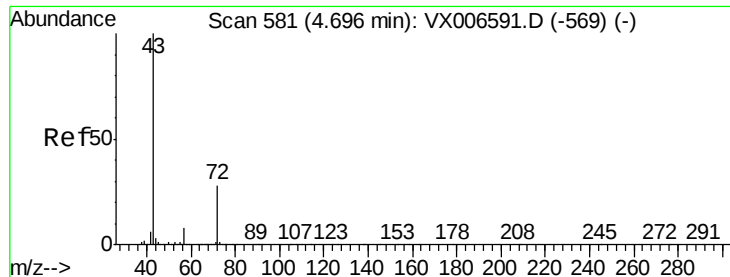
20000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 110.166 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

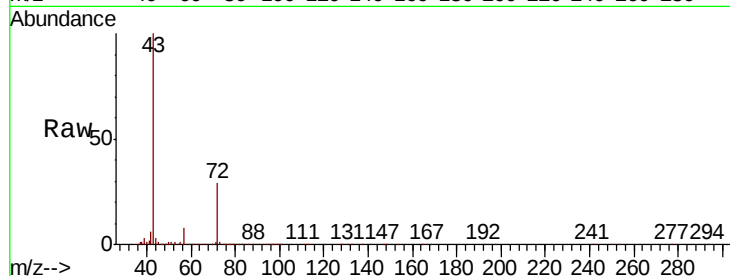
VX1221WBS02

Tot Ion: 43 Resp: 407027

Ion Ratio Lower Upper

43 100

72 28.5 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

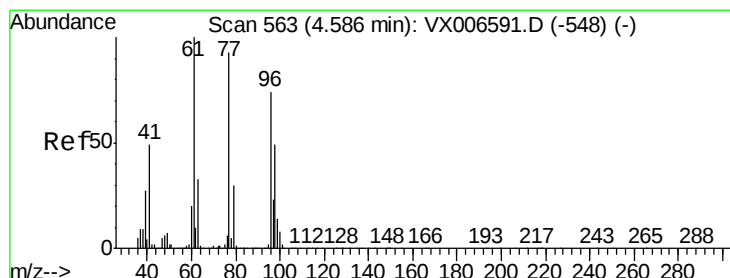
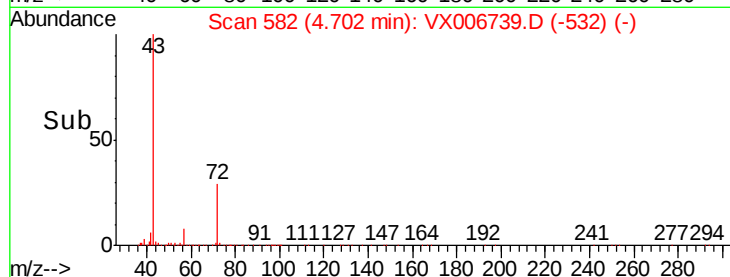
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 13.086 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX006739.D

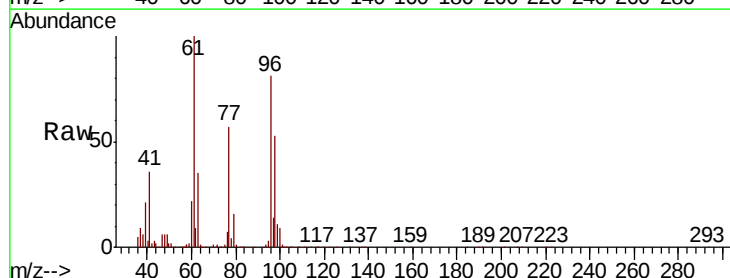
Acq: 21 Dec 2018 23:04

Tgt Ion: 77 Resp: 88072

Ion Ratio Lower Upper

77 100

97 25.9 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

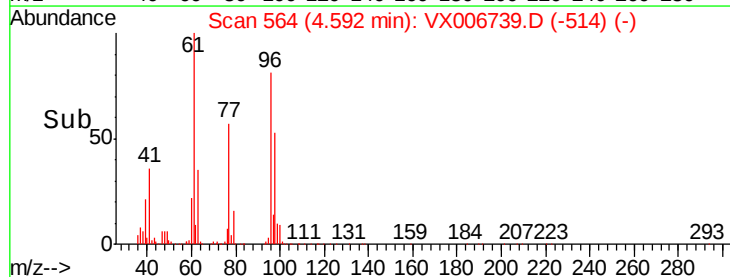
10000

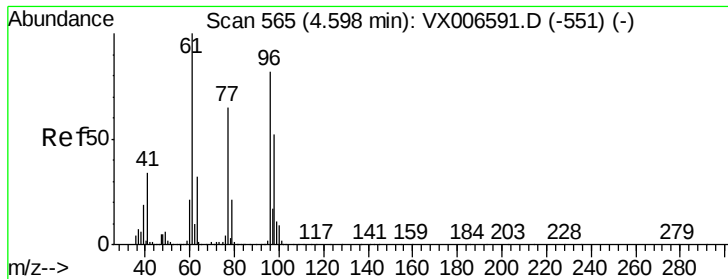
5000

0

4.40 4.50 4.60 4.70

Time-->



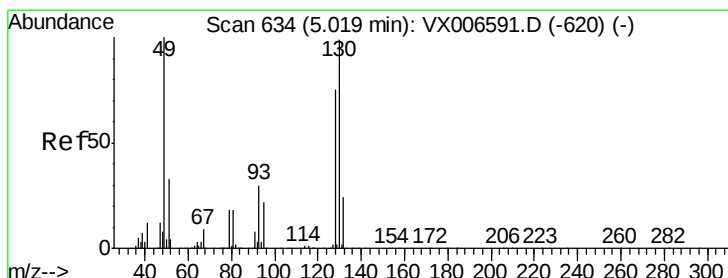
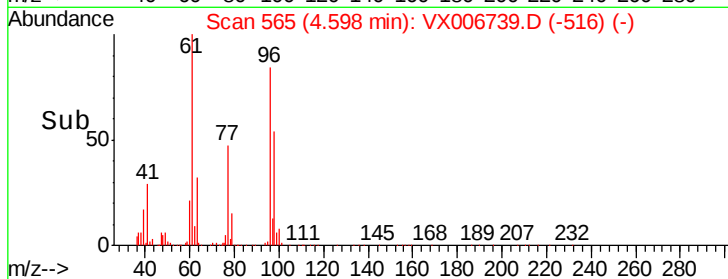
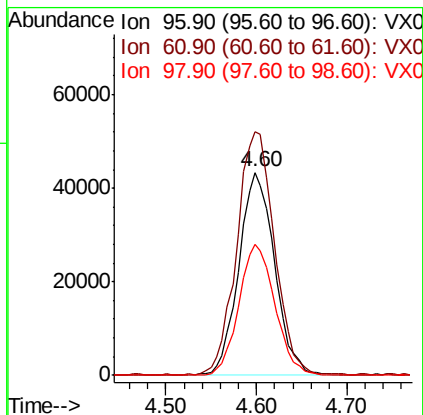
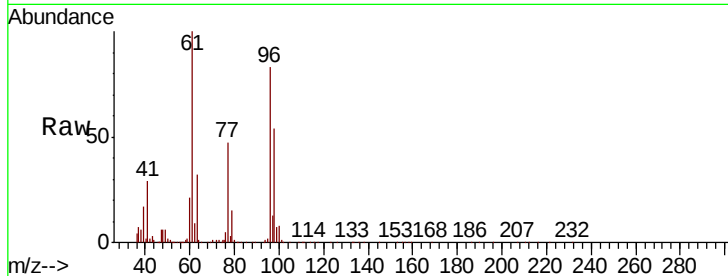


#27

cis-1,2-Dichloroethene
Concen: 20.443 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBS02

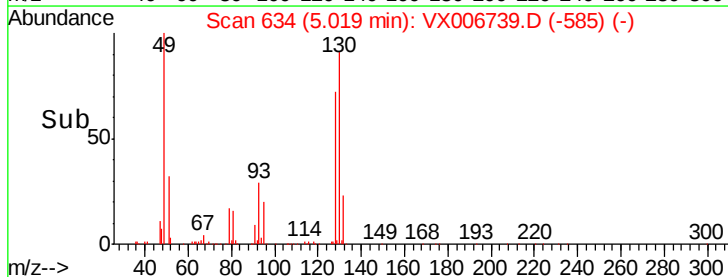
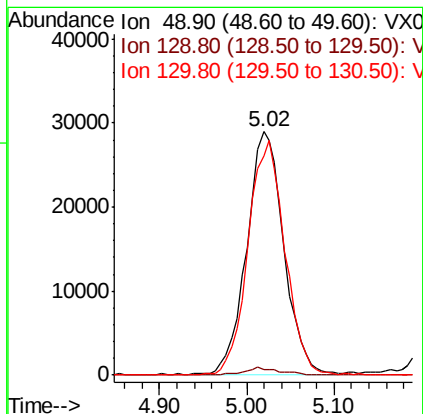
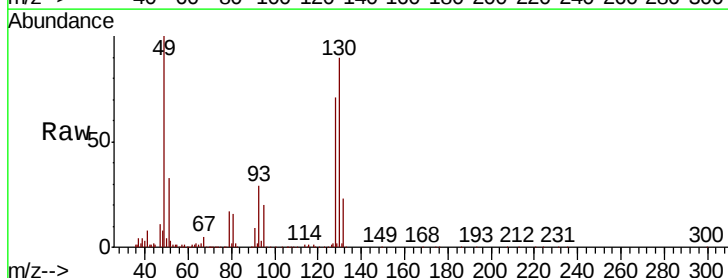
Tot Ion	Ratio	Lower	Upper
96	100		
61	126.5	0.0	258.6
98	65.2	0.0	132.0

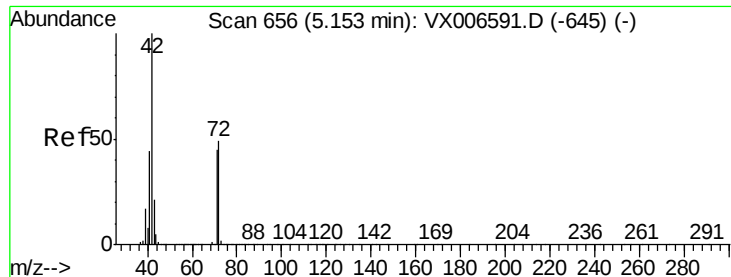


#28

Bromochloromethane
Concen: 22.315 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.4
130	95.4	77.7	116.5





#29

Tetrahydrofuran

Concen: 111.679 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBS02

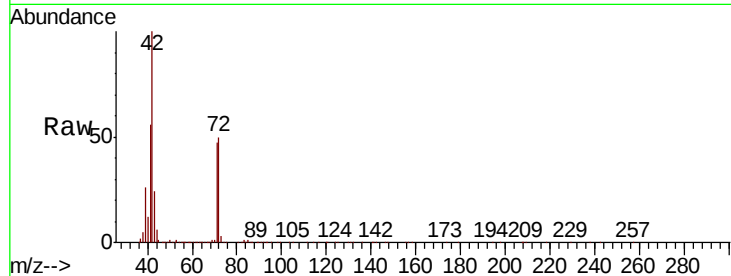
Tot Ion: 42 Resp: 271763

Ion Ratio Lower Upper

42 100

72 48.5 38.9 58.3

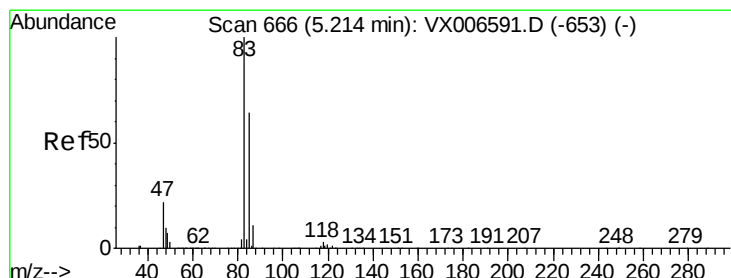
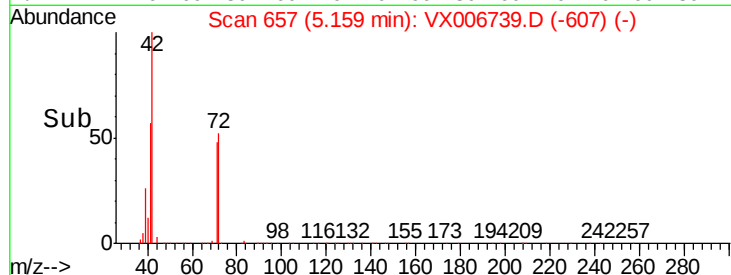
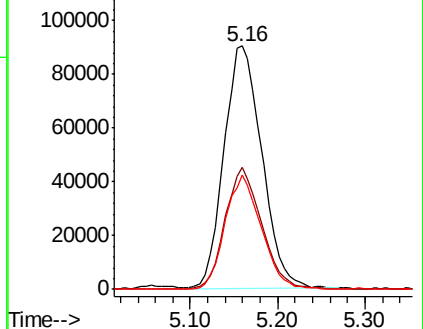
71 45.1 36.2 54.4



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 20.849 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX006739.D

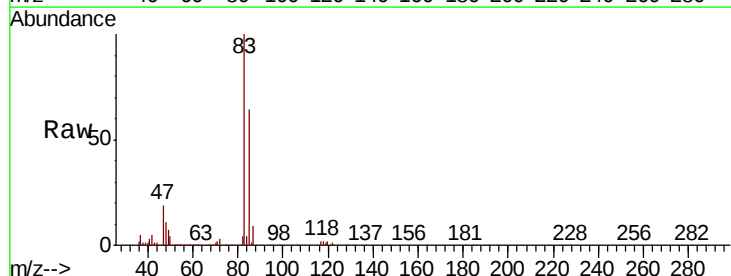
Acq: 21 Dec 2018 23:04

Tgt Ion: 83 Resp: 188108

Ion Ratio Lower Upper

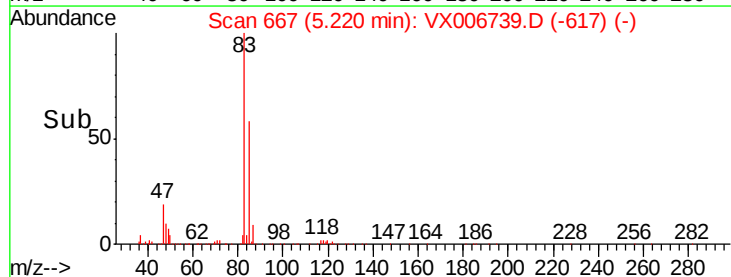
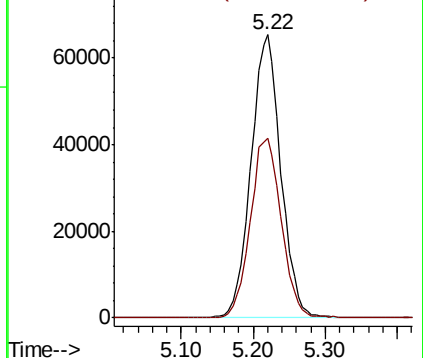
83 100

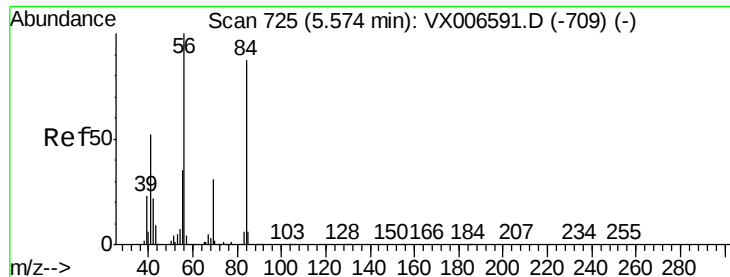
85 63.7 51.2 76.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 19.321 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBS02

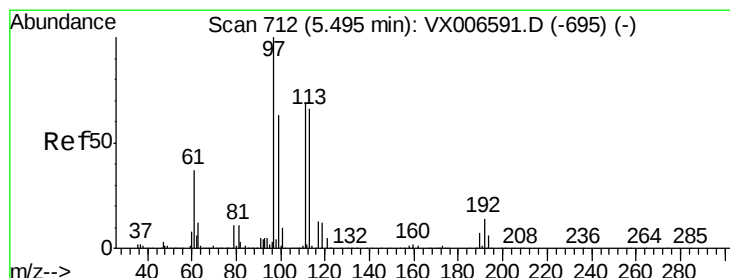
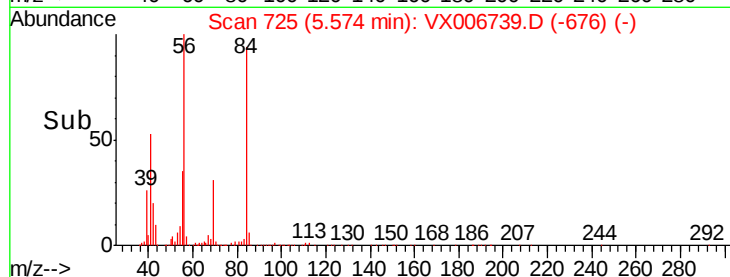
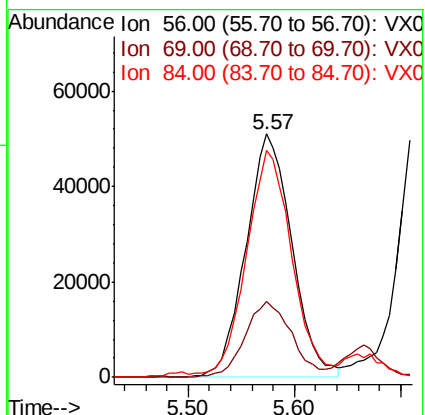
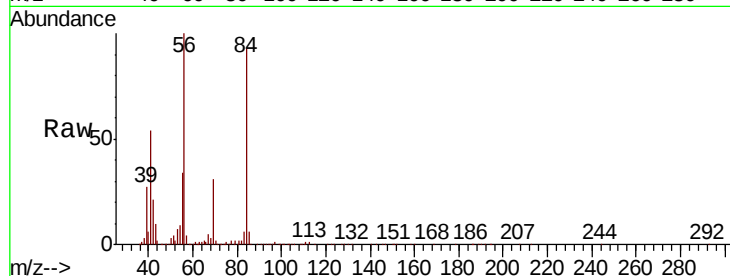
Tot Ion: 56 Resp: 152923

Ion Ratio Lower Upper

56 100

69 31.2 24.4 36.6

84 92.2 70.0 105.0



#32

1,1,1-Trichloroethane

Concen: 19.863 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

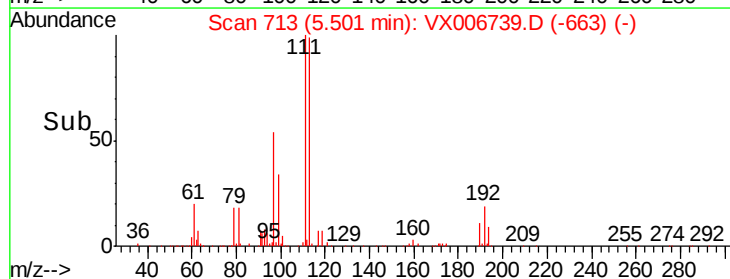
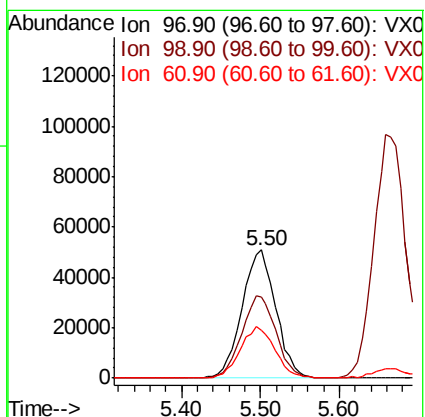
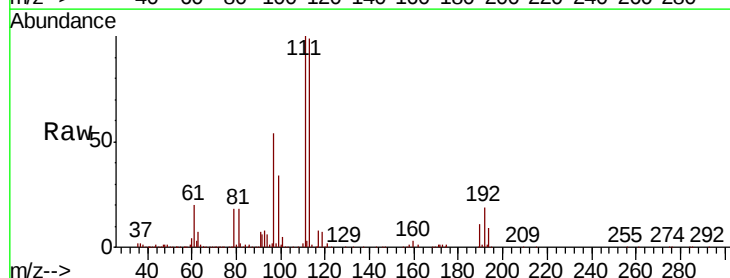
Tgt Ion: 97 Resp: 151317

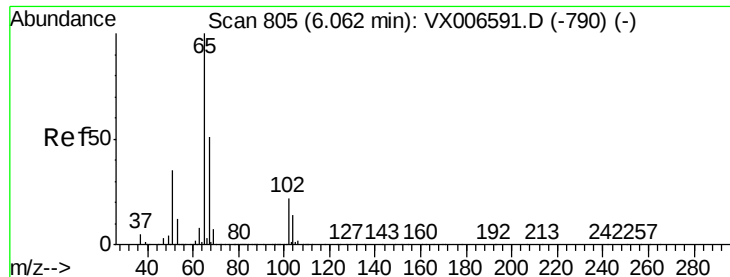
Ion Ratio Lower Upper

97 100

99 65.3 51.7 77.5

61 41.7 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 53.382 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

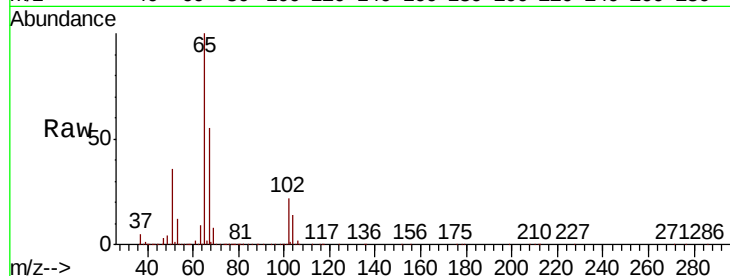
VX1221WBS02

Tot Ion: 65 Resp: 305188

Ion Ratio Lower Upper

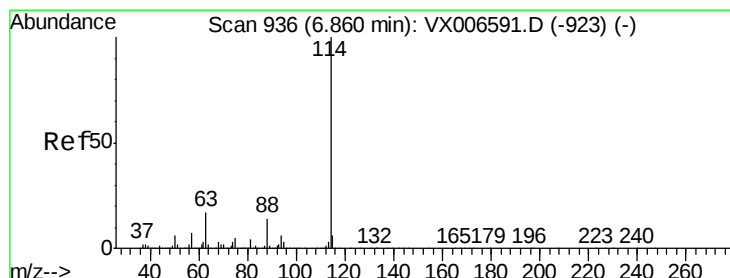
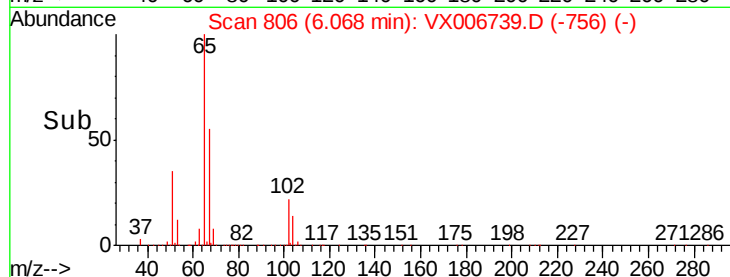
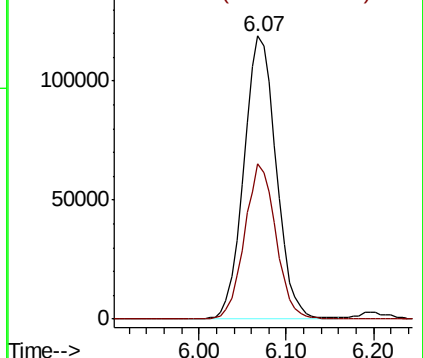
65 100

67 53.1 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

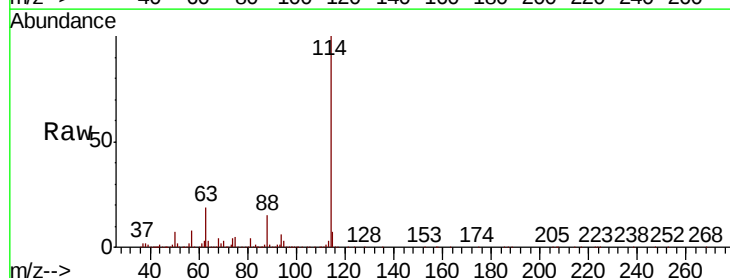
Tgt Ion: 114 Resp: 837952

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.8

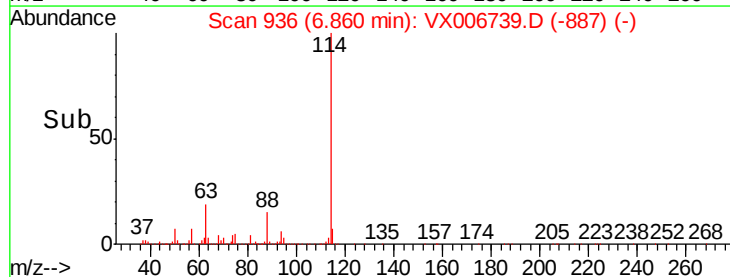
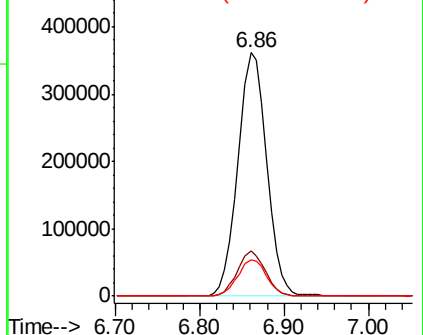
88 14.8 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.478 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBS02

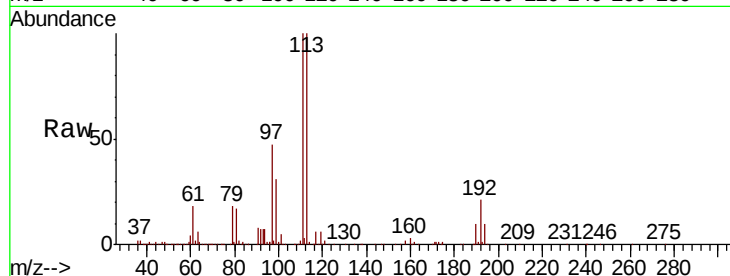
Tot Ion:113 Resp: 272787

Ion Ratio Lower Upper

113 100

111 101.1 81.6 122.4

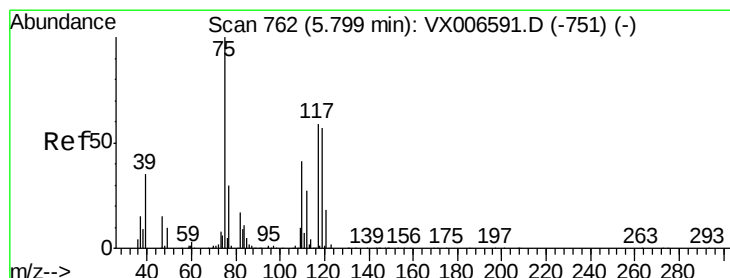
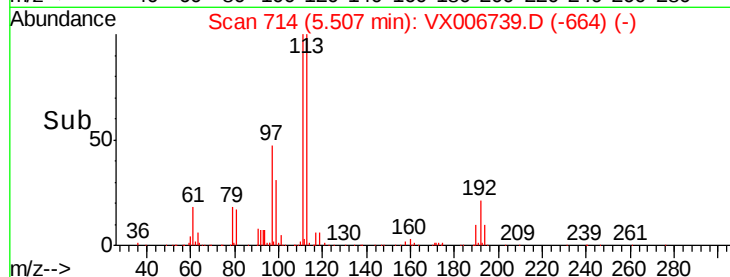
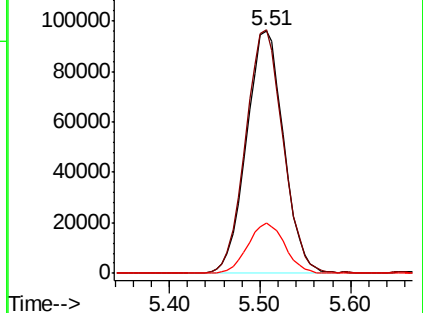
192 20.7 16.7 25.1



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: 19.178 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

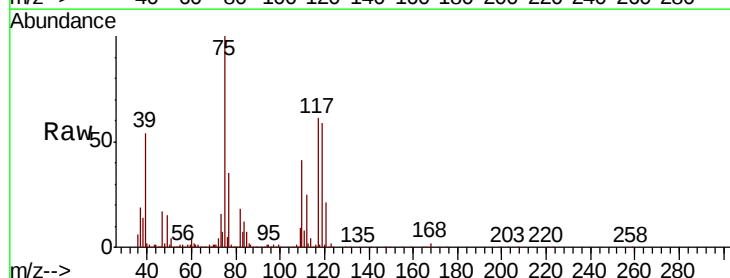
Tgt Ion: 75 Resp: 133100

Ion Ratio Lower Upper

75 100

110 39.4 20.2 60.5

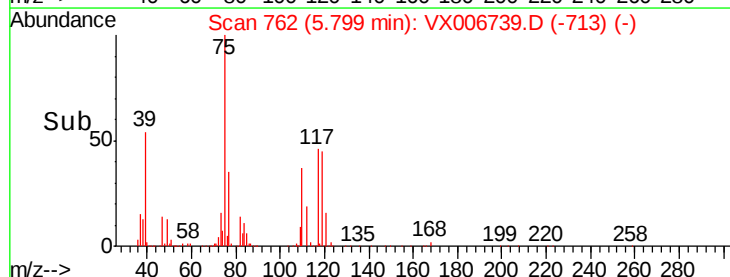
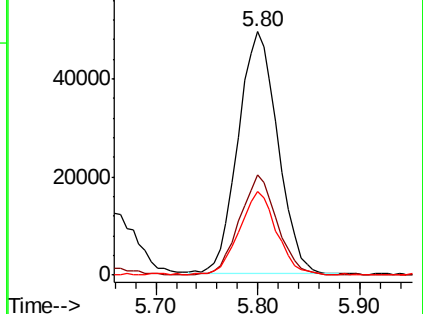
77 32.1 24.8 37.2



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

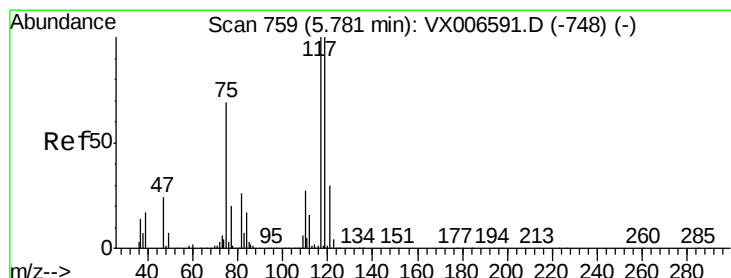
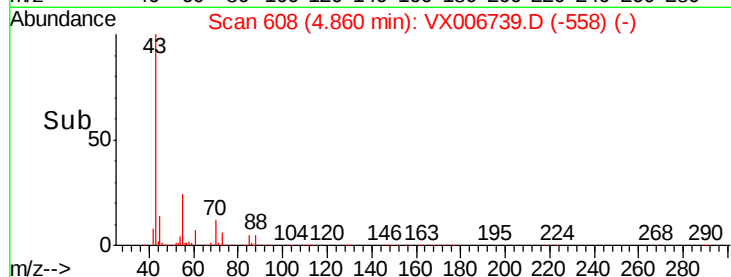
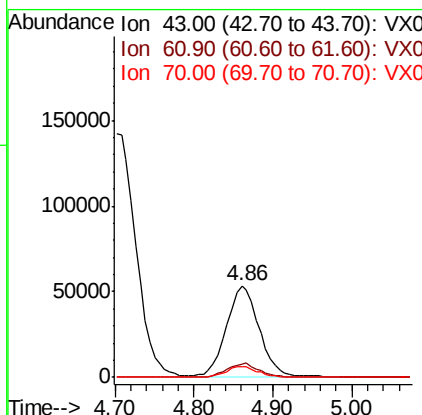
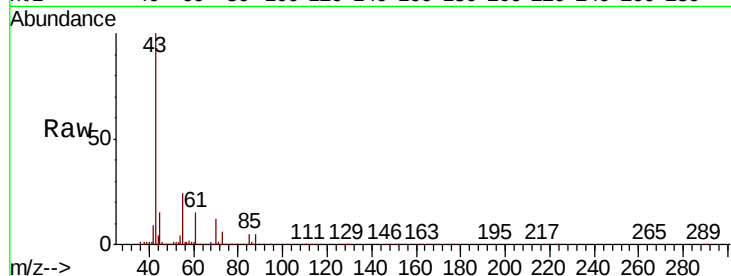




#37
Ethyl Acetate
Concen: 21.349 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

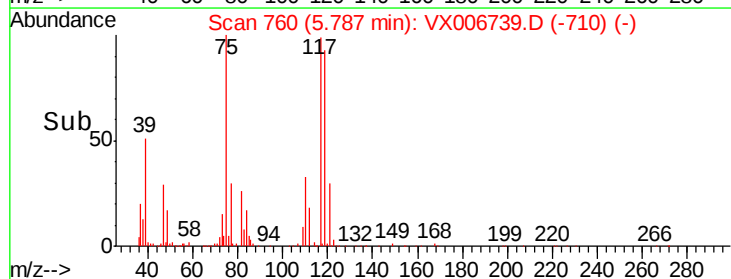
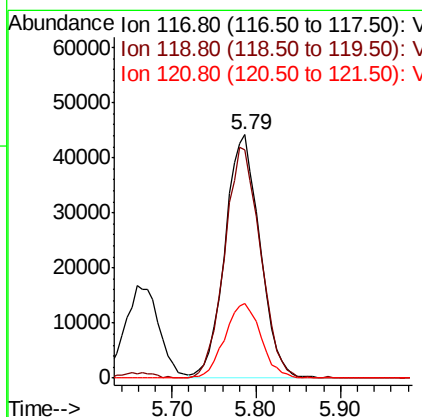
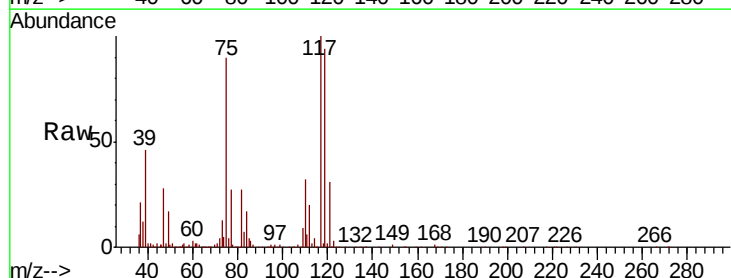
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBS02

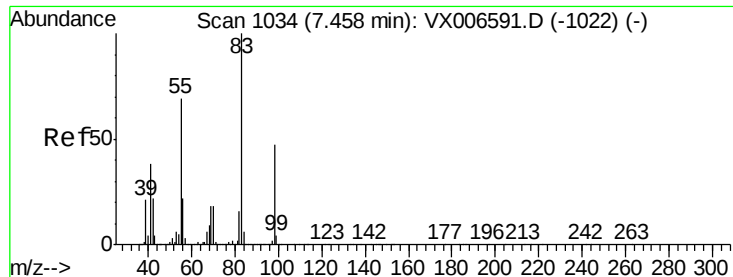
Tot Ion: 43 Resp: 154213
Ion Ratio Lower Upper
43 100
61 15.3 11.9 17.9
70 11.8 9.7 14.5



#38
Carbon Tetrachloride
Concen: 18.516 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

Tgt Ion: 117 Resp: 124888
Ion Ratio Lower Upper
117 100
119 93.9 79.4 119.2
121 30.5 24.0 36.0

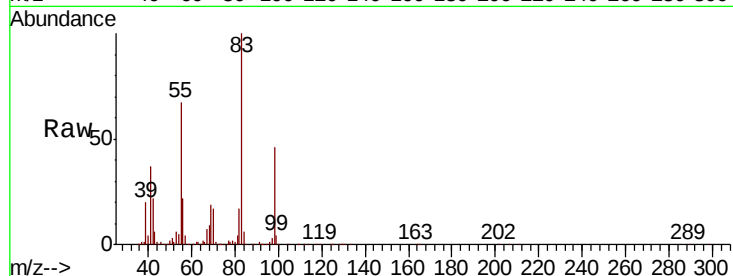




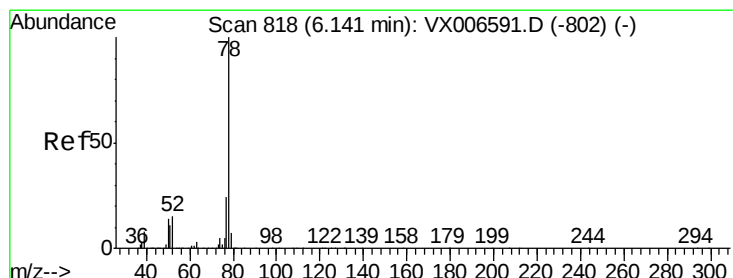
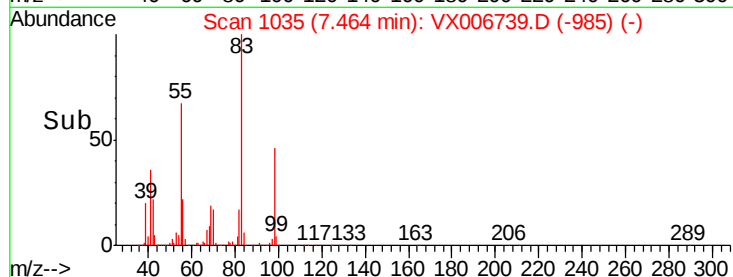
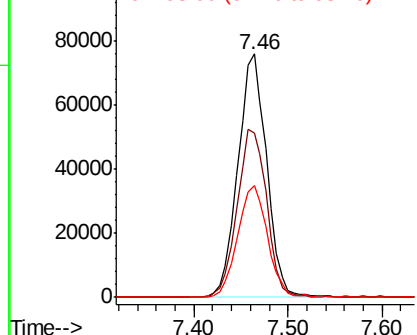
#39
Methvlcvclohexane
Concen: 17.700 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBS02

Tot Ion: 83 Resp: 161723
Ion Ratio Lower Upper
83 100
55 67.3 54.9 82.3
98 46.1 37.9 56.9

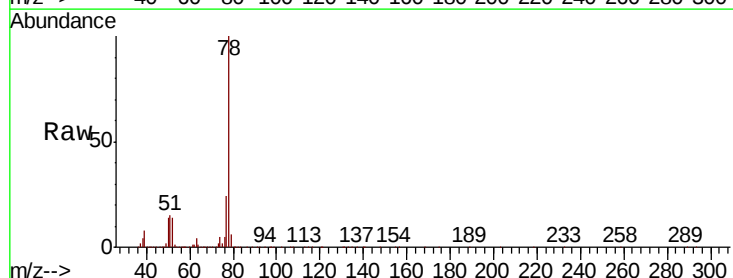


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

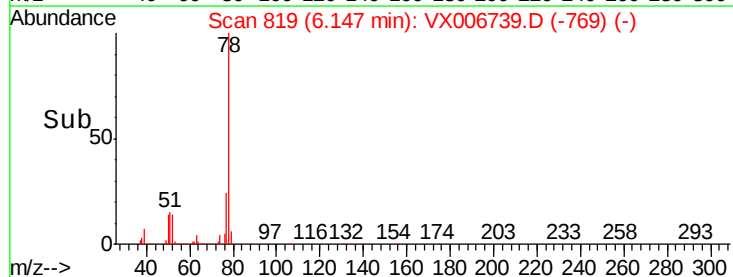
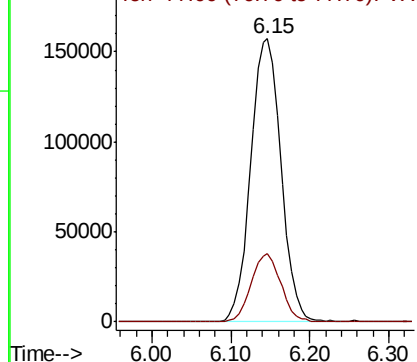


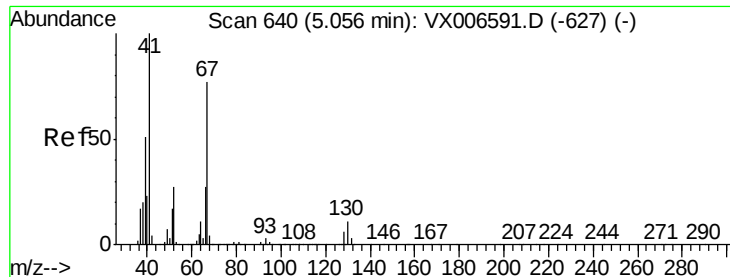
#40
Benzene
Concen: 19.926 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

Tgt Ion: 78 Resp: 420365
Ion Ratio Lower Upper
78 100
77 24.1 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: 22.220 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBS02

Tot Ion: 41 Resp: 85215

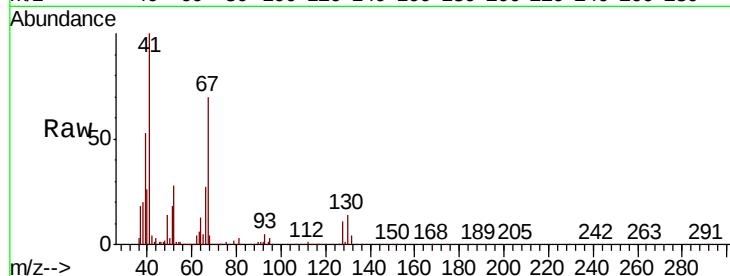
Ion Ratio Lower Upper

41 100

39 53.9 42.8 64.2

67 76.2 62.1 93.1

52 29.3 23.4 35.0

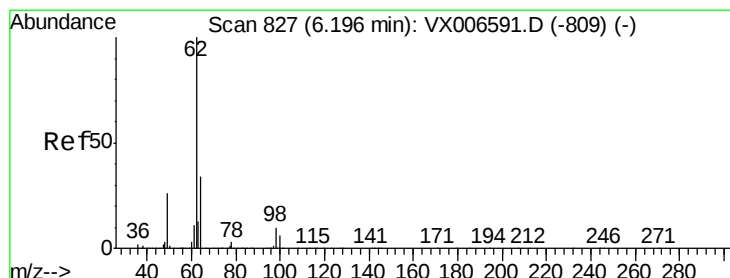
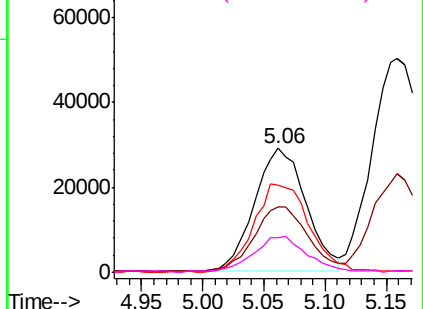
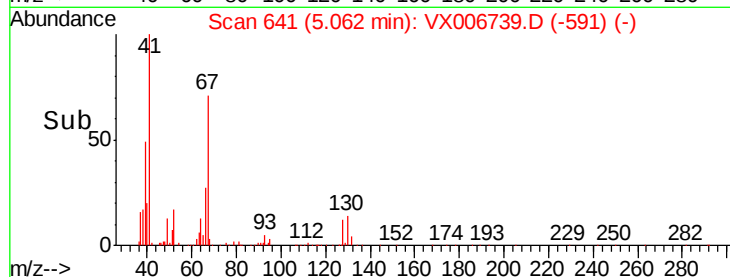


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.125 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX006739.D

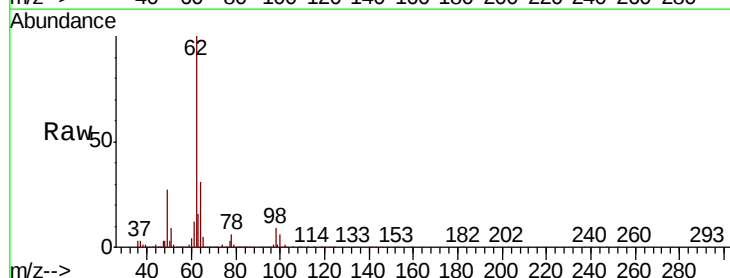
Acq: 21 Dec 2018 23:04

Tgt Ion: 62 Resp: 144672

Ion Ratio Lower Upper

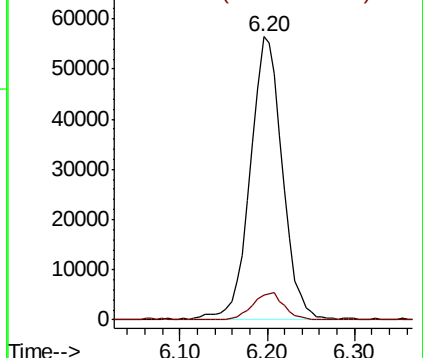
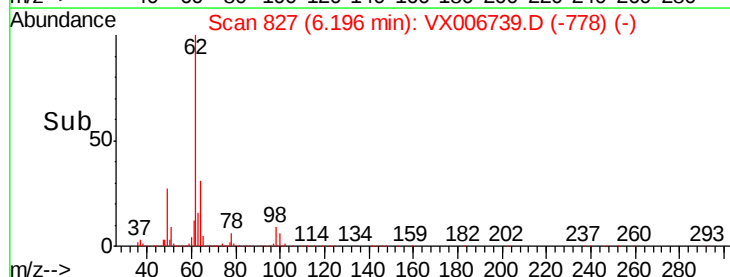
62 100

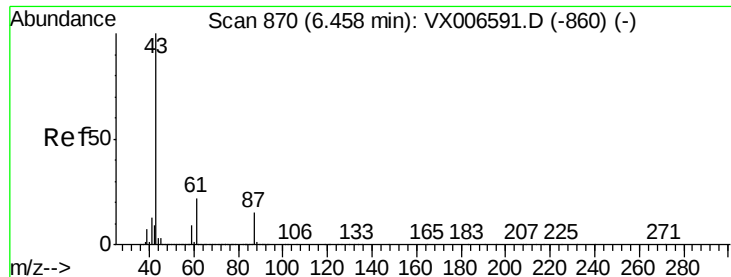
98 9.5 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



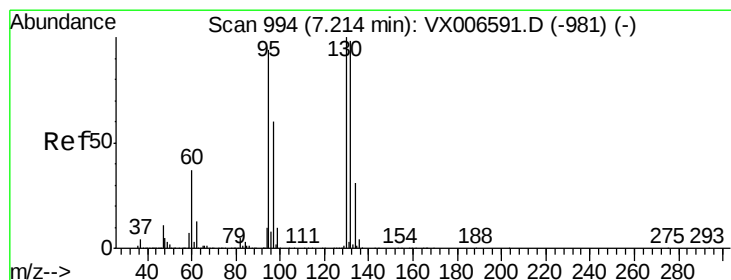
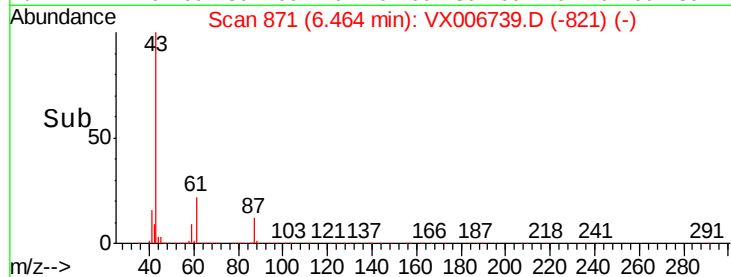
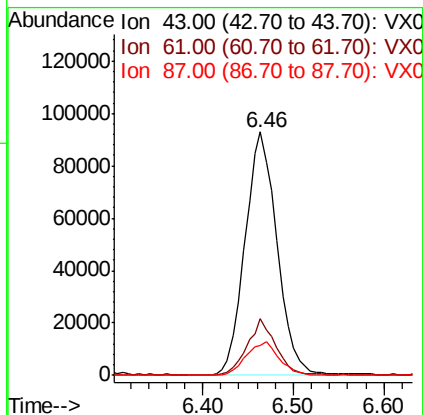
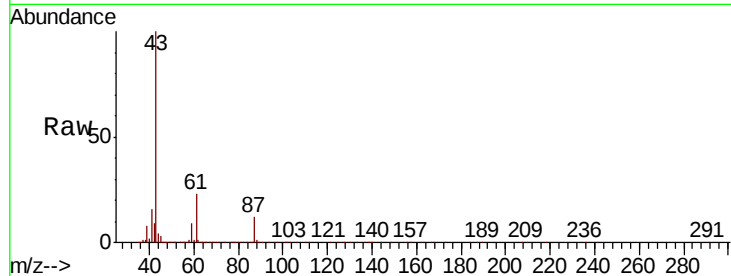


#43

Isopropyl Acetate
 Concen: 20.571 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX006739.D
 Acq: 21 Dec 2018 23:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBS02

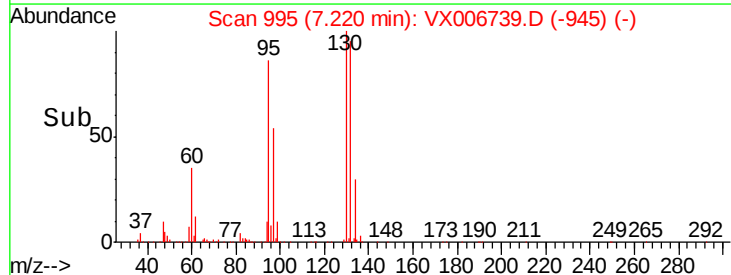
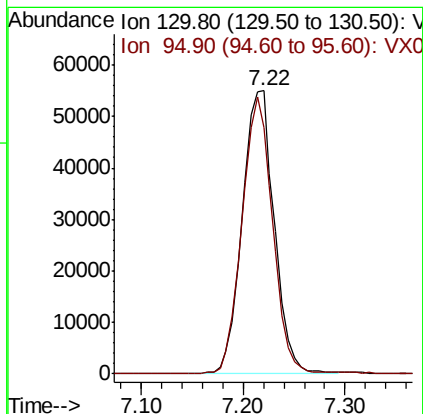
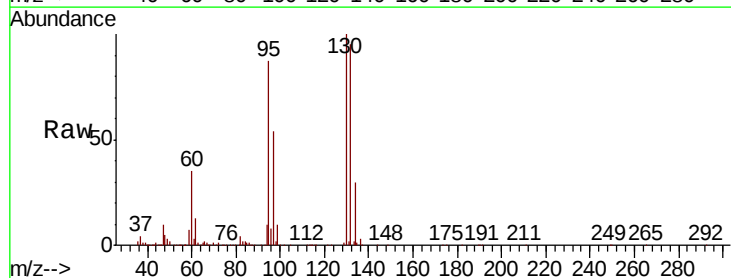
Tot Ion	43	Resp	226094
Ion Ratio	Lower	Upper	
43	100		
61	20.7	16.8	25.2
87	14.4	12.4	18.6



#44

Trichloroethene
 Concen: 18.851 ug/l
 RT: 7.22 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VX006739.D
 Acq: 21 Dec 2018 23:04

Tgt Ion	130	Resp	120363
Ion Ratio	Lower	Upper	
130	100		
95	86.9	0.0	187.0





#45

1,2-Dichloropropane

Concen: 20.604 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

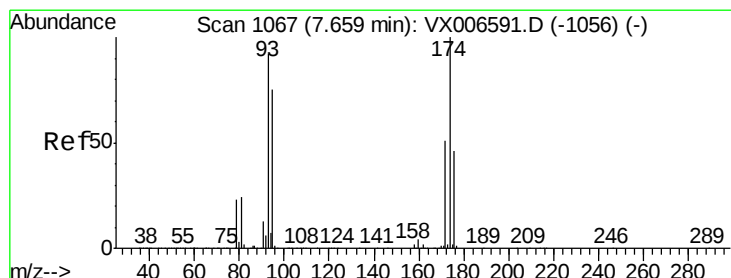
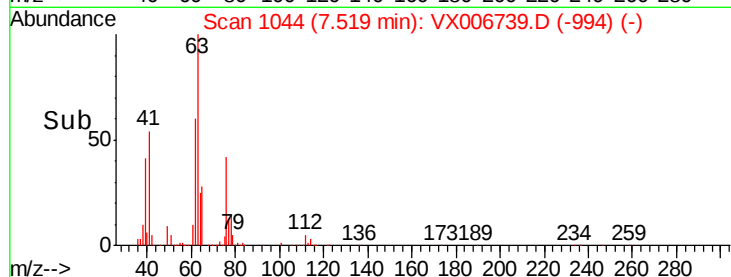
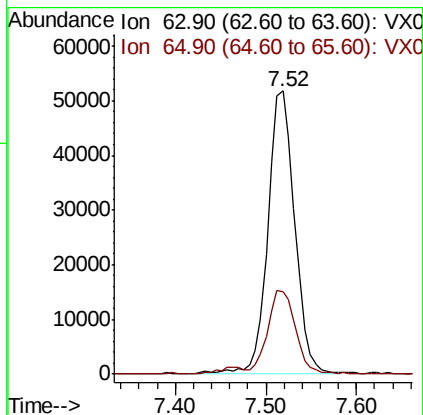
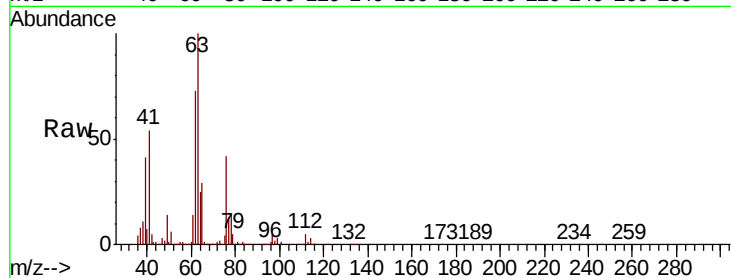
VX1221WBS02

Tot Ion: 63 Resp: 105772

Ion Ratio Lower Upper

63 100

65 28.8 25.4 38.0



#46

Dibromomethane

Concen: 19.681 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

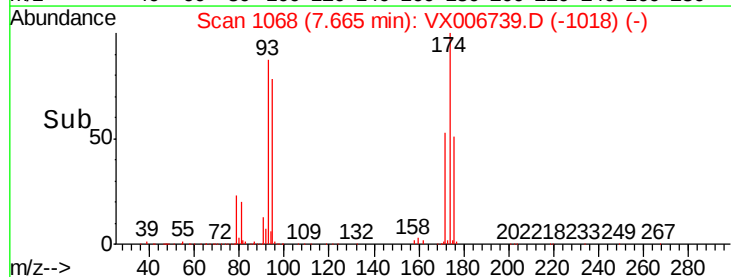
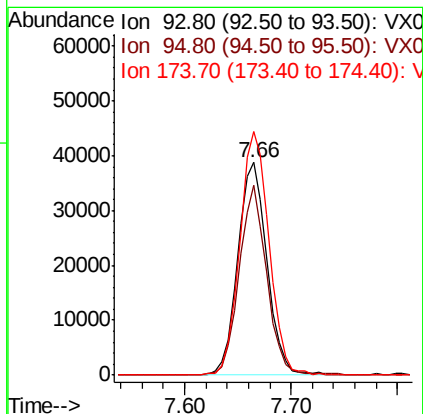
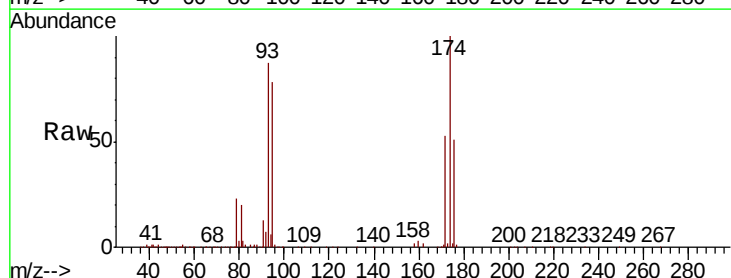
Tgt Ion: 93 Resp: 74317

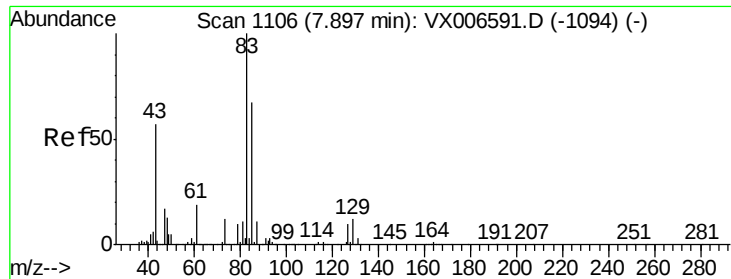
Ion Ratio Lower Upper

93 100

95 84.9 66.2 99.4

174 115.5 91.0 136.4





#47

Bromodichloromethane

Concen: 18.762 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBS02

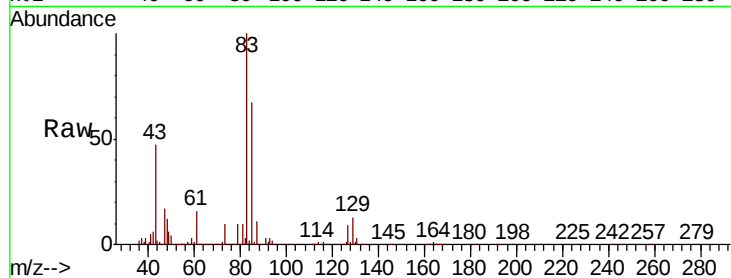
Tot Ion: 83 Resp: 117623

Ion Ratio Lower Upper

83 100

85 67.1 53.2 79.8

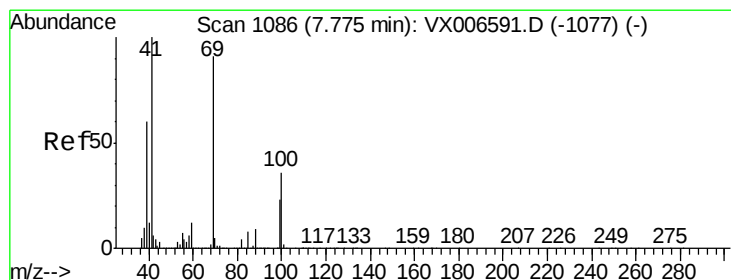
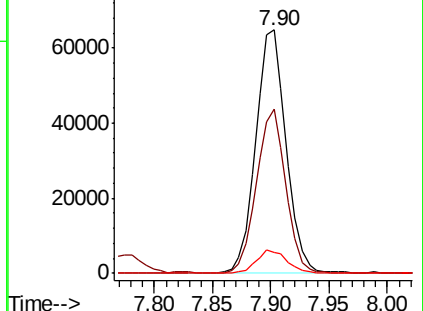
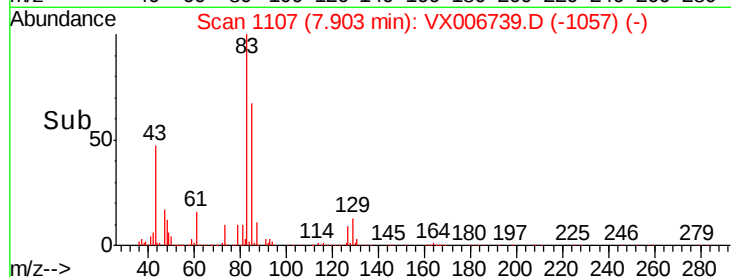
127 8.7 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.261 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

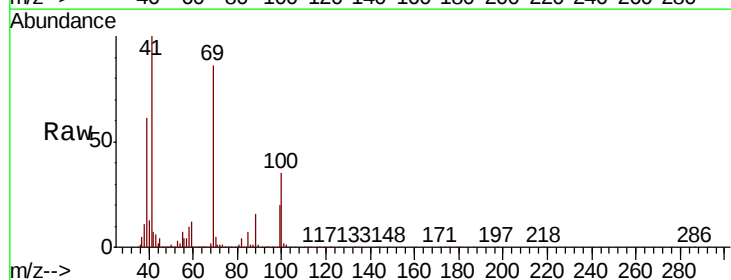
Tgt Ion: 41 Resp: 118831

Ion Ratio Lower Upper

41 100

69 89.3 72.4 108.6

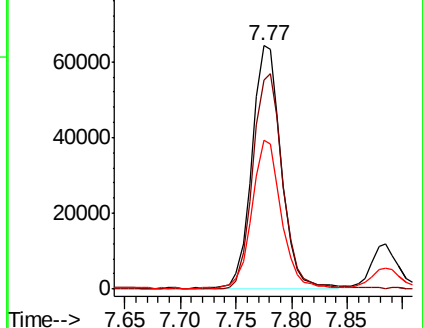
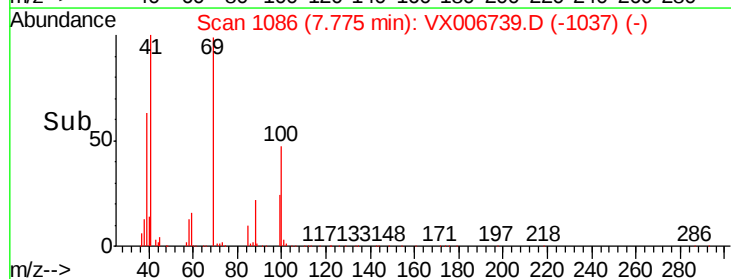
39 59.8 45.8 68.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 426.232 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

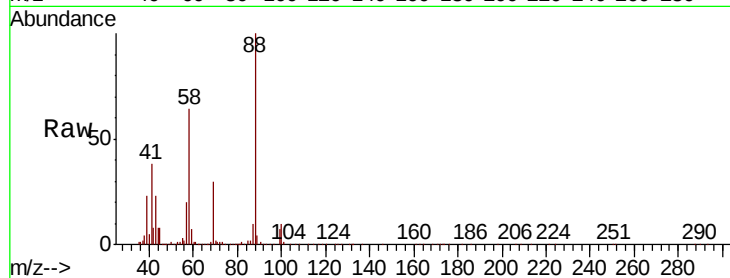
MSVOA_X

ClientSampleId :

VX1221WBS02

Tot Ion: 88 Resp: 63999

Ion	Ratio	Lower	Upper
88	100		
43	28.3	22.2	33.4
58	65.0	51.0	76.4

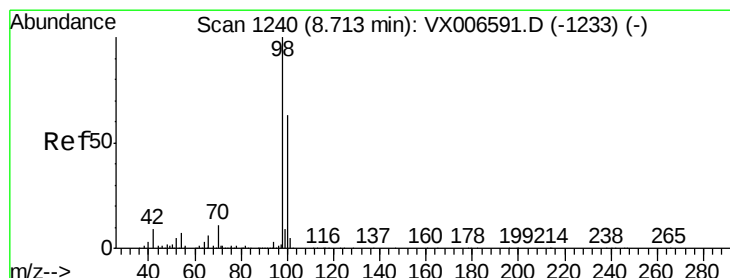
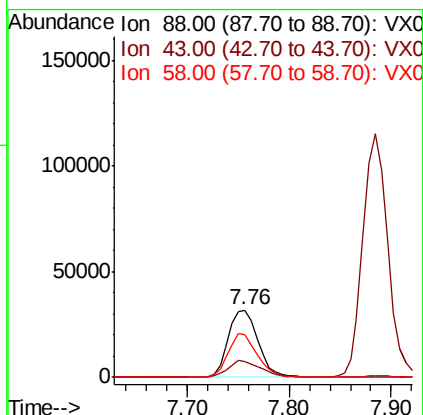
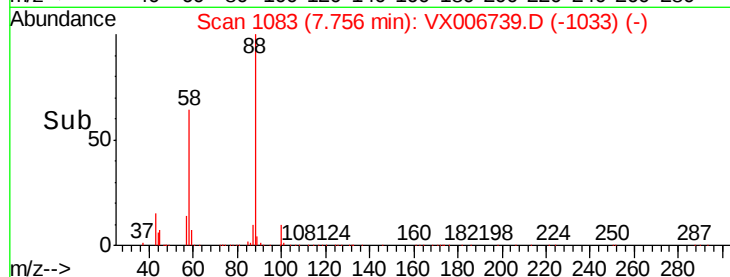


Abundance

Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.657 ug/l

RT: 8.71 min Scan# 1240

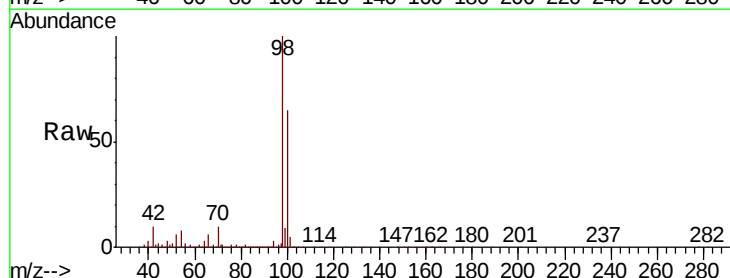
Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Tgt Ion: 98 Resp: 992032

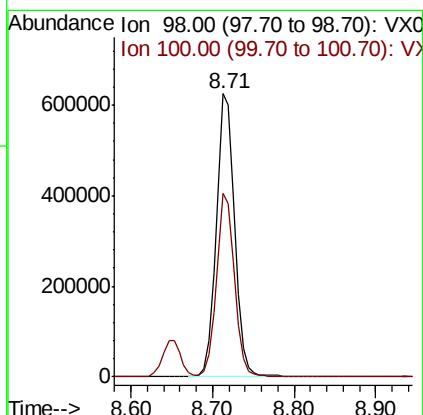
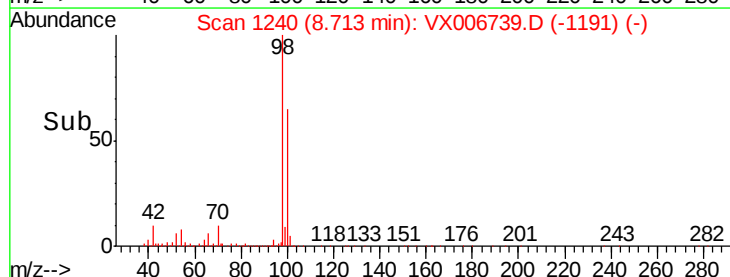
Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.0	78.0

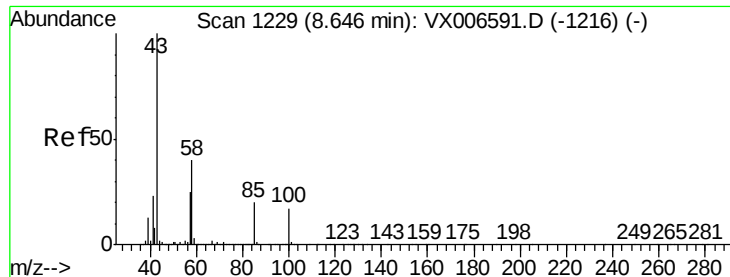


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

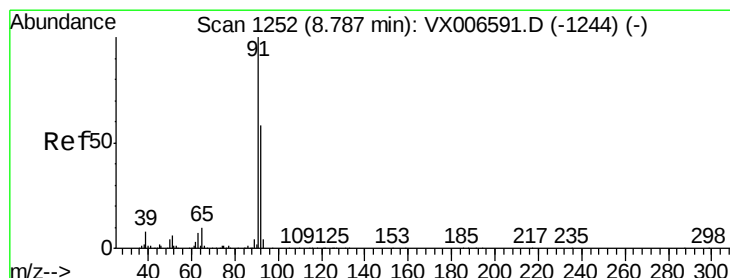
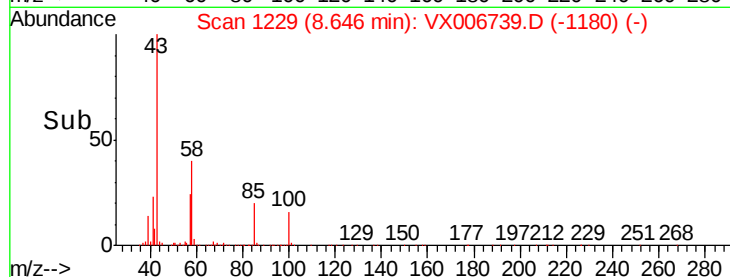
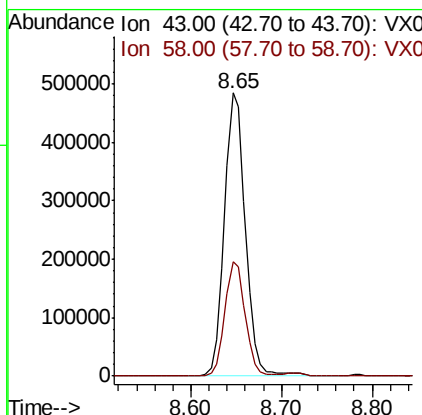
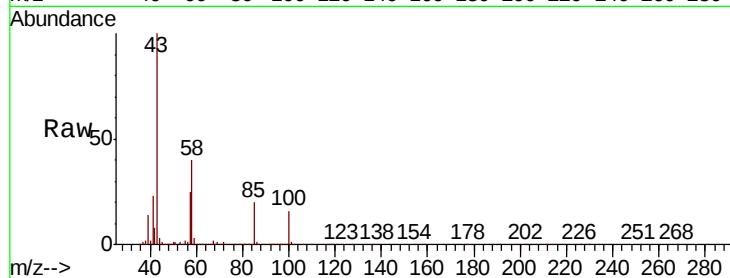




#51
 4-Methyl-2-Pentanone
 Concen: 111.233 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VX006739.D
 Acq: 21 Dec 2018 23:04

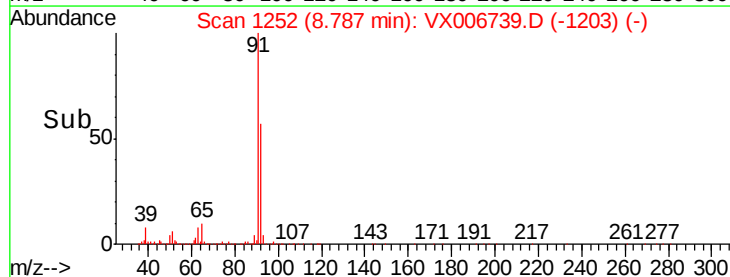
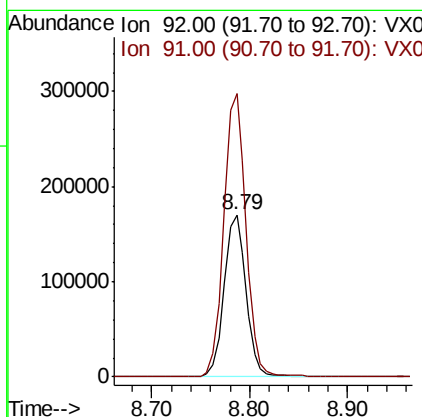
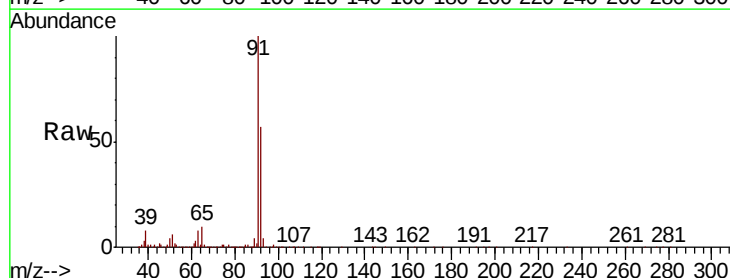
Instrument :
 MSVOA_X
 ClientSampled :
 VX1221WBS02

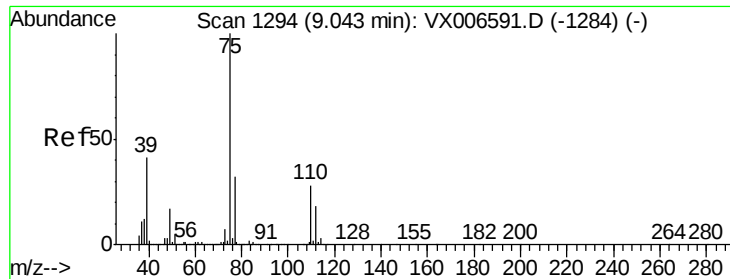
Tot Ion: 43 Resp: 777869
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.8 47.6



#52
 Toluene
 Concen: 19.383 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VX006739.D
 Acq: 21 Dec 2018 23:04

Tgt Ion: 92 Resp: 264174
 Ion Ratio Lower Upper
 92 100
 91 176.2 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 17.145 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

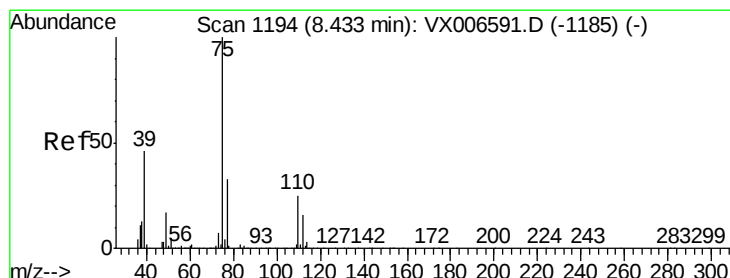
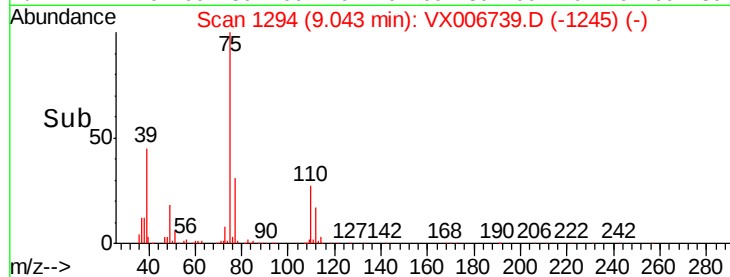
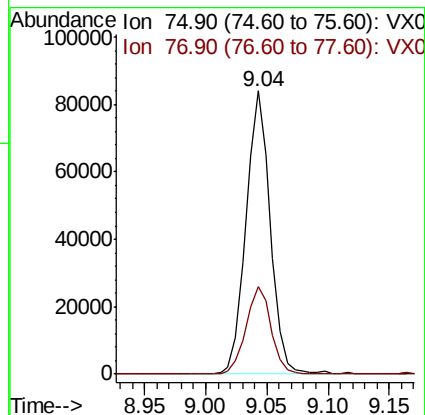
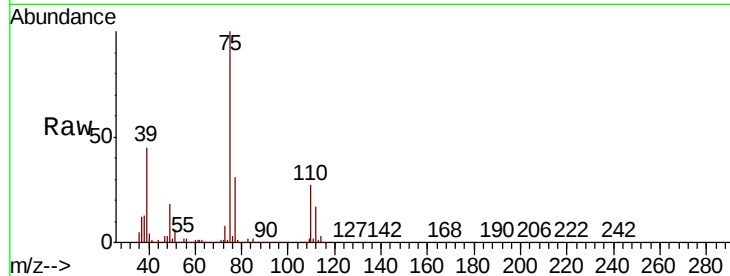
VX1221WBS02

Tot Ion: 75 Resp: 115273

Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 18.401 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

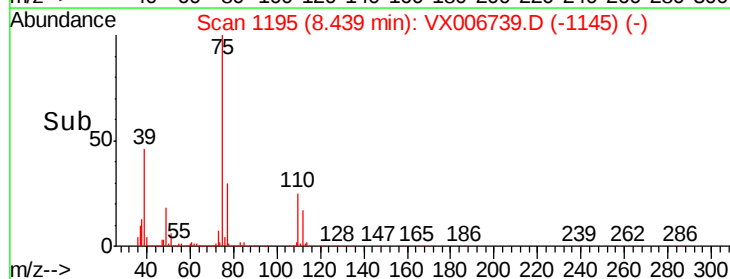
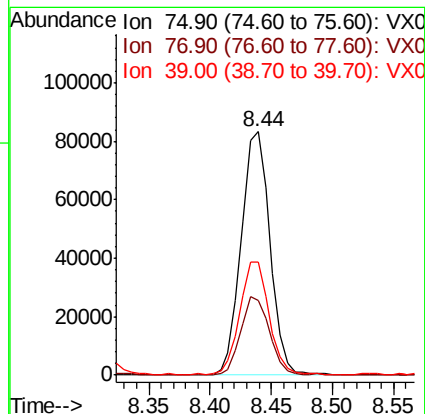
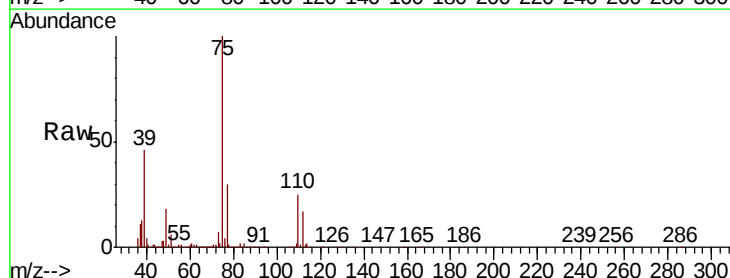
Tgt Ion: 75 Resp: 135754

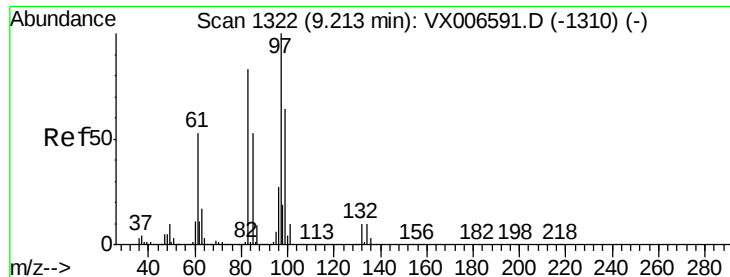
Ion Ratio Lower Upper

75 100

77 30.4 26.2 39.2

39 46.1 36.7 55.1

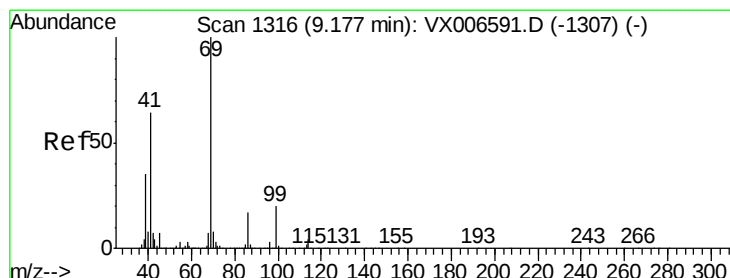
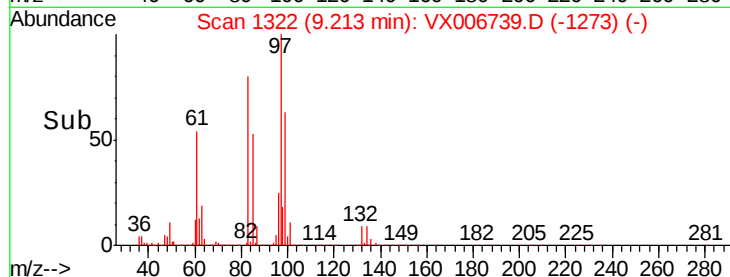
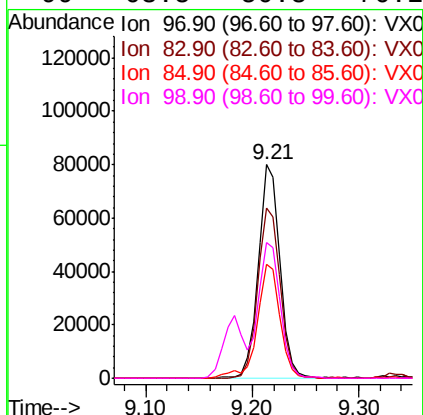
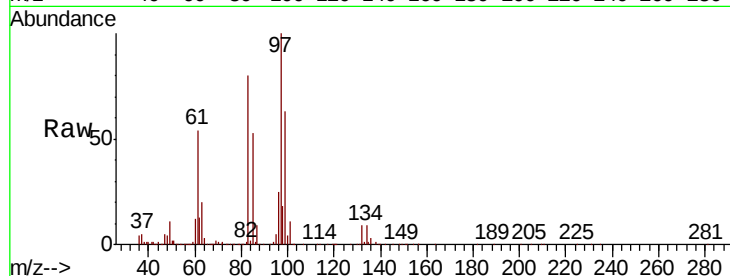




#55
 1,1,2-Trichloroethane
 Concen: 20.529 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006739.D
 Acq: 21 Dec 2018 23:04

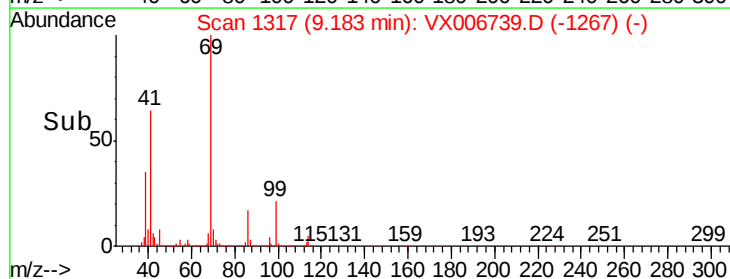
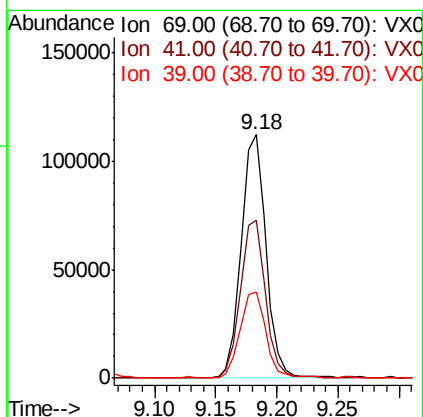
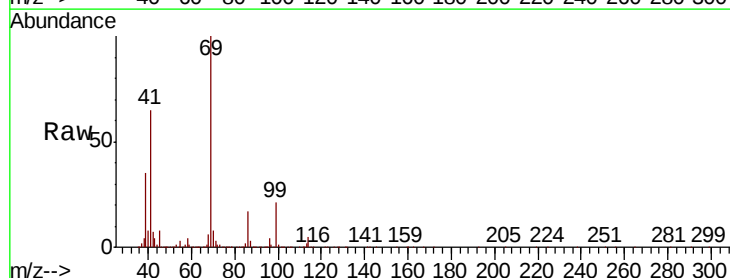
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBS02

Tot Ion:	97	Resp:	114524
Ion	Ratio	Lower	Upper
97	100		
83	80.0	66.6	99.8
85	52.9	42.7	64.1
99	63.5	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 19.915 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX006739.D
 Acq: 21 Dec 2018 23:04

Tgt Ion:	69	Resp:	157021
Ion	Ratio	Lower	Upper
69	100		
41	65.5	48.7	73.1
39	35.9	27.0	40.6





#57

1,3-Dichloropropane

Concen: 20.268 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

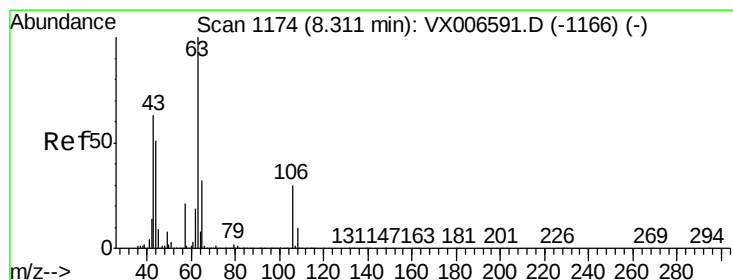
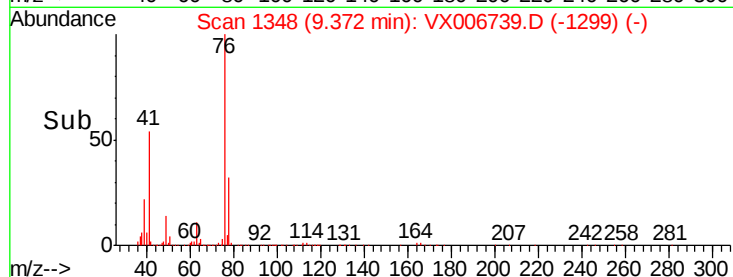
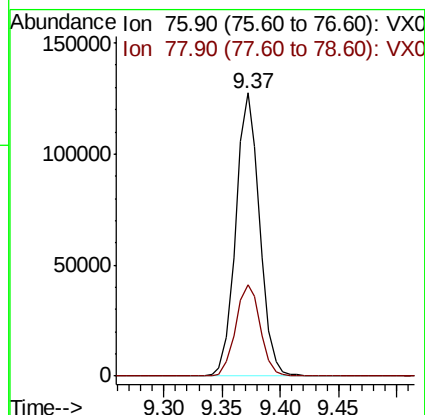
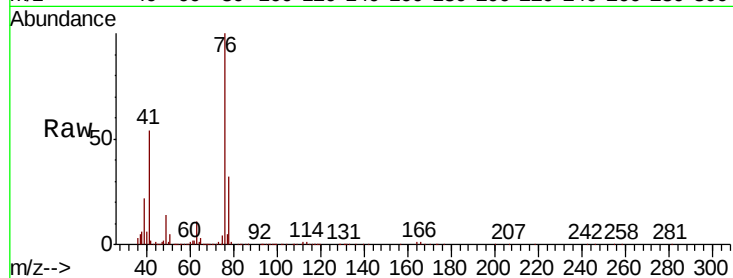
VX1221WBS02

Tot Ion: 76 Resp: 181909

Ion Ratio Lower Upper

76 100

78 33.5 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 103.313 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006739.D

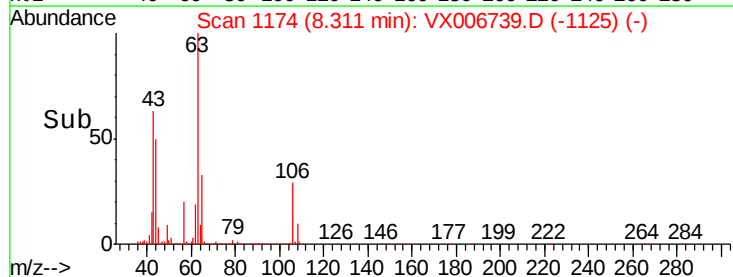
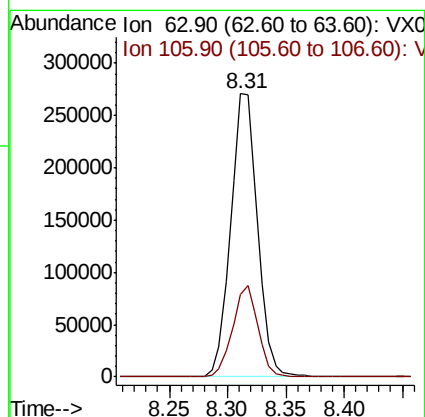
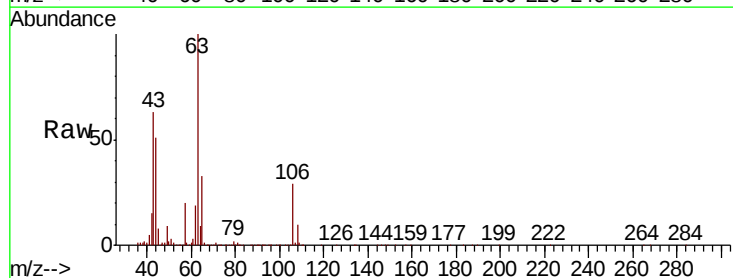
Acq: 21 Dec 2018 23:04

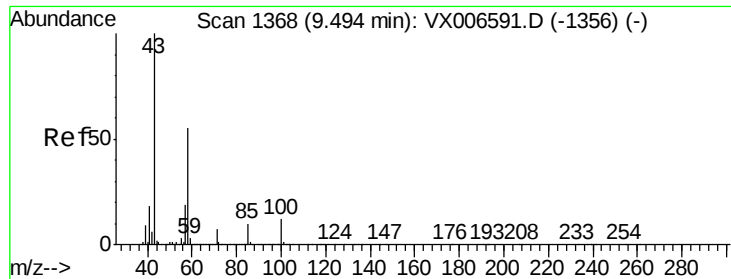
Tgt Ion: 63 Resp: 432998

Ion Ratio Lower Upper

63 100

106 30.9 24.6 36.8

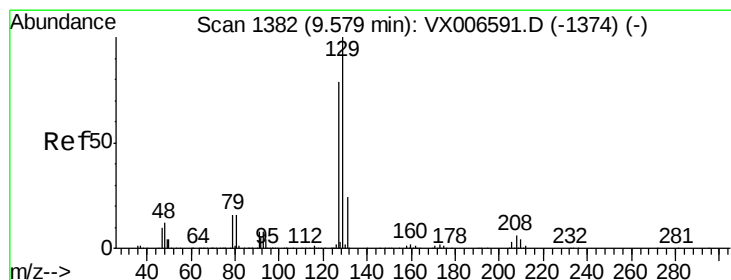
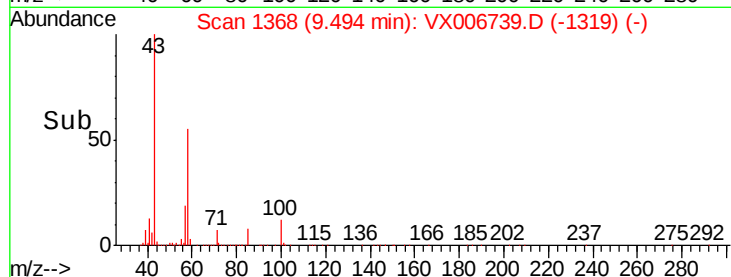
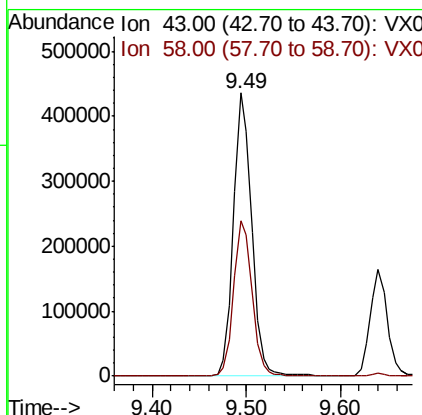
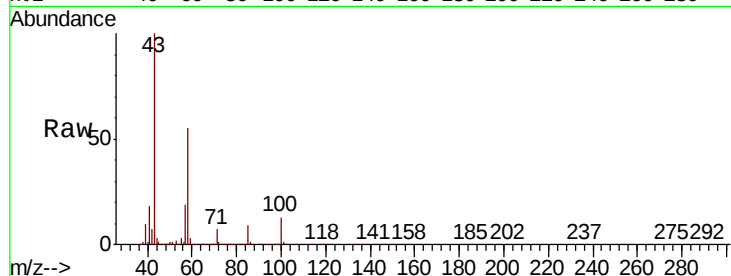




#59
2-Hexanone
Concen: 109.559 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

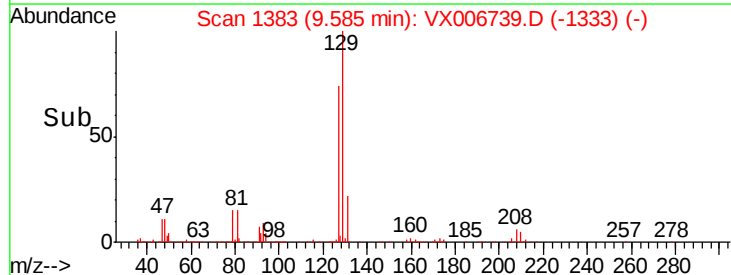
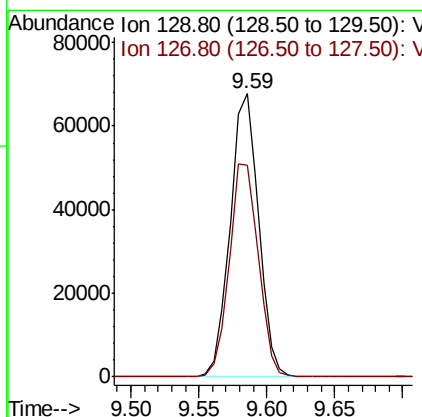
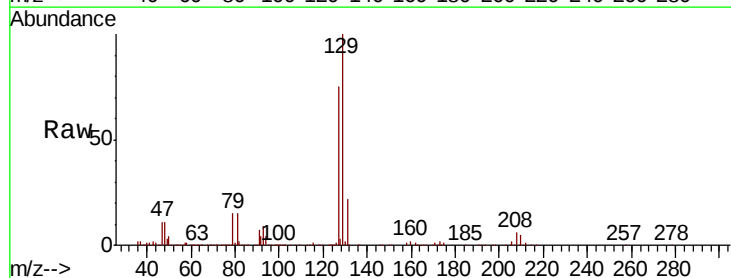
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBS02

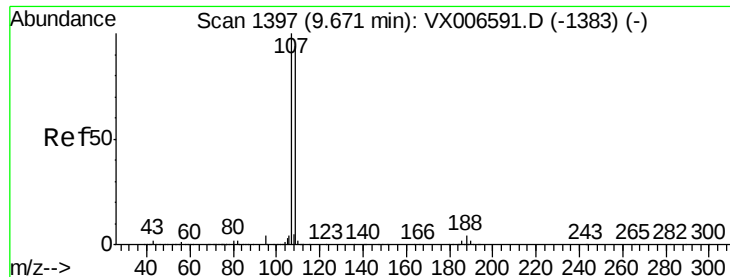
Tot Ion: 43 Resp: 586202
Ion Ratio Lower Upper
43 100
58 55.5 27.7 83.1



#60
Dibromochloromethane
Concen: 18.433 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

Tgt Ion: 129 Resp: 98570
Ion Ratio Lower Upper
129 100
127 76.8 39.3 117.8





#61

1,2-Dibromoethane

Concen: 20.675 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

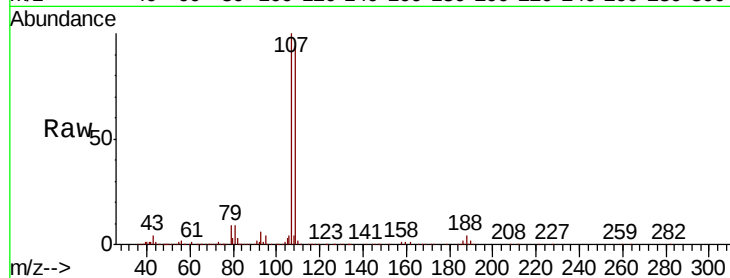
VX1221WBS02

Tot Ion: 107 Resp: 122605

Ion Ratio Lower Upper

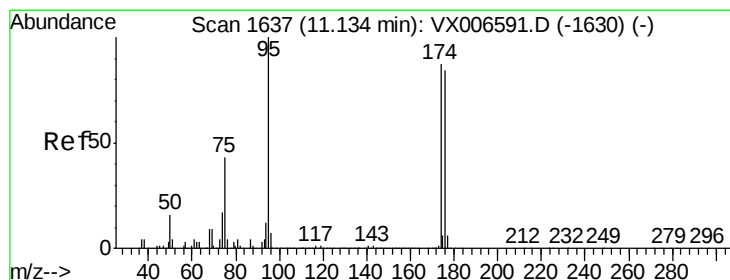
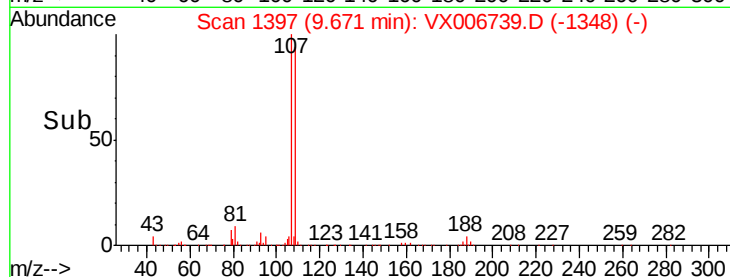
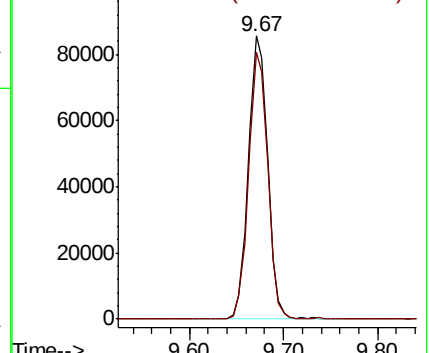
107 100

109 93.5 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.290 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

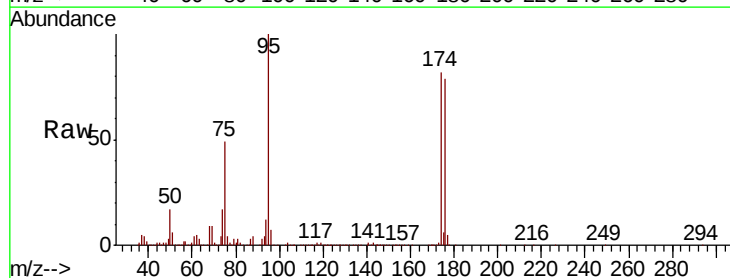
Tgt Ion: 95 Resp: 346002

Ion Ratio Lower Upper

95 100

174 91.6 0.0 182.2

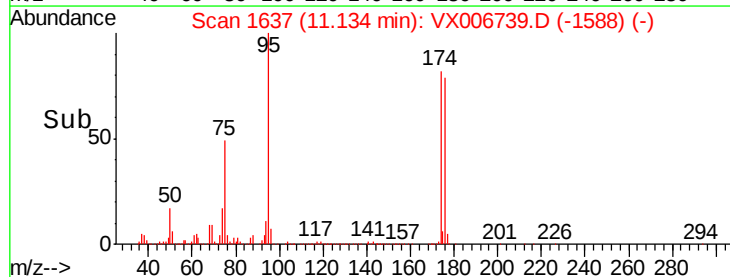
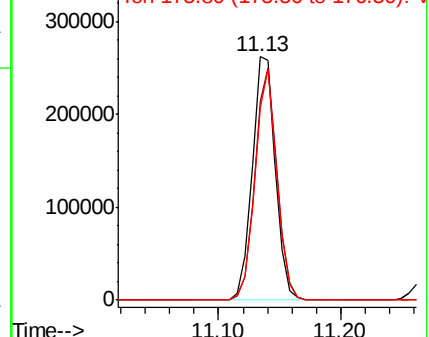
176 89.3 0.0 178.8

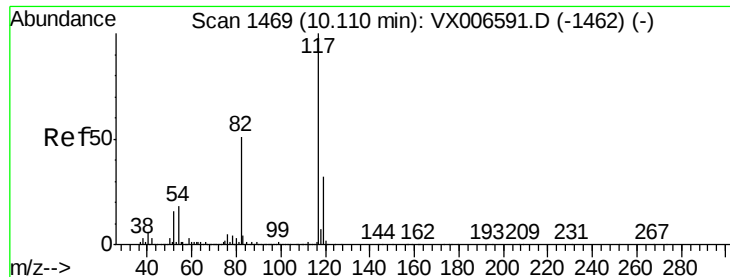


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBS02

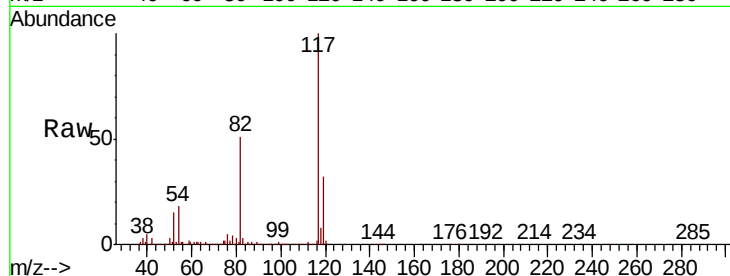
Tot Ion:117 Resp: 745878

Ion Ratio Lower Upper

117 100

82 50.8 41.0 61.6

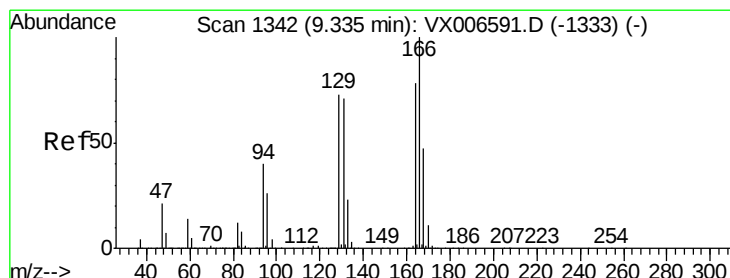
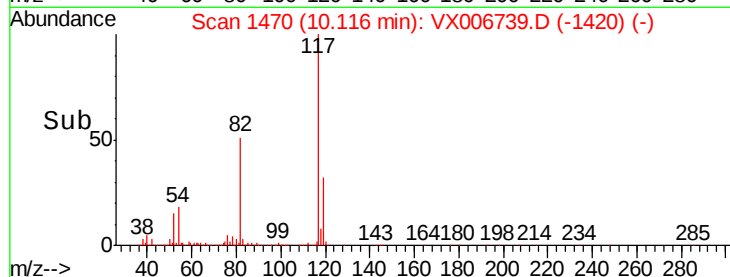
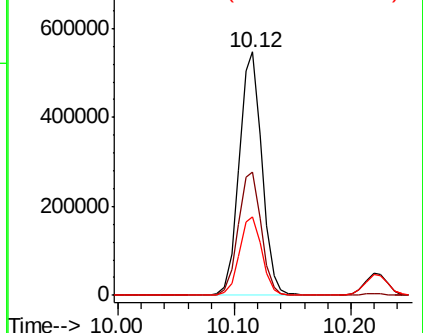
119 32.3 25.4 38.0



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: 19.897 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Tgt Ion:164 Resp: 117517

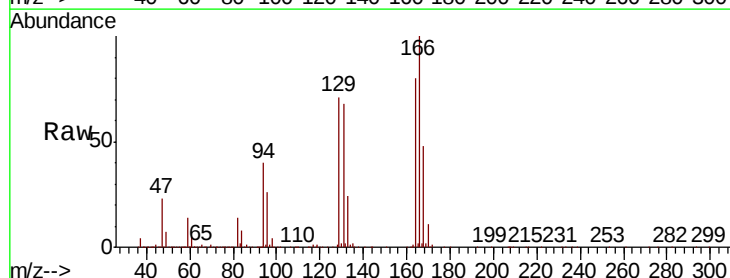
Ion Ratio Lower Upper

164 100

166 125.7 102.5 153.7

129 89.5 75.1 112.7

131 85.9 72.7 109.1

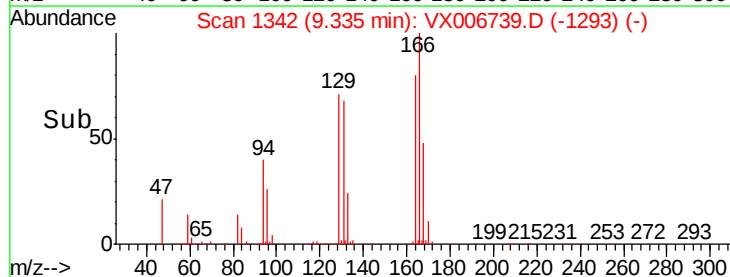
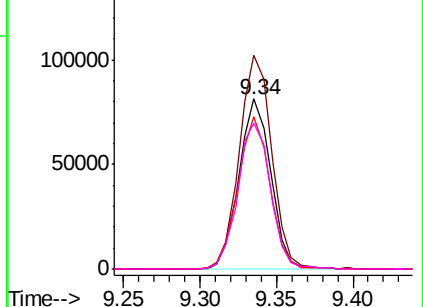


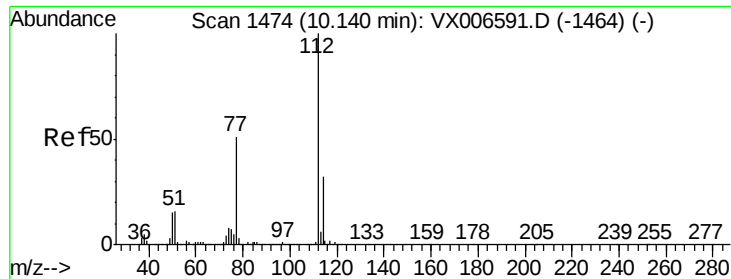
Abundance Ion 163.80 (163.50 to 164.50): V

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

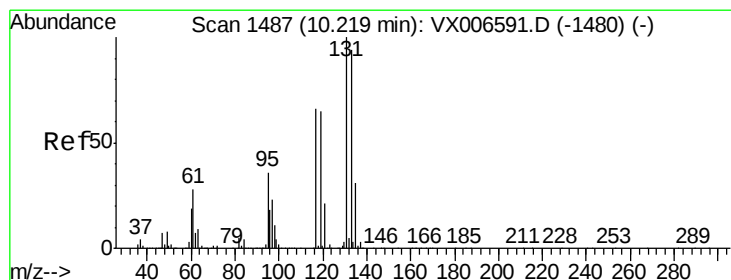
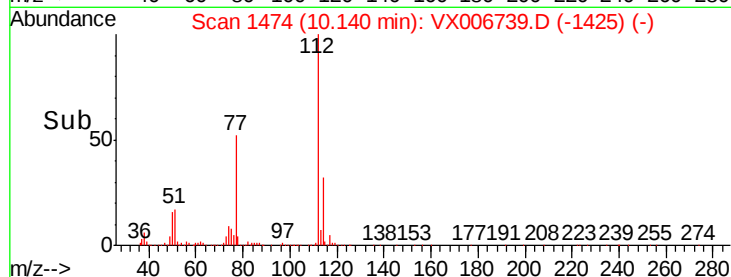
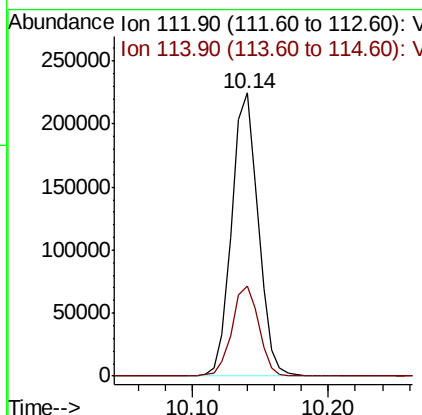
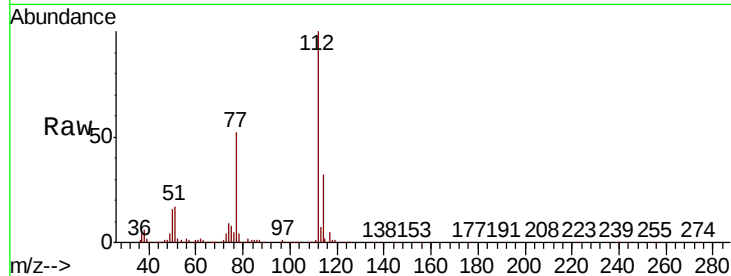




#65
Chlorobenzene
Concen: 19.421 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

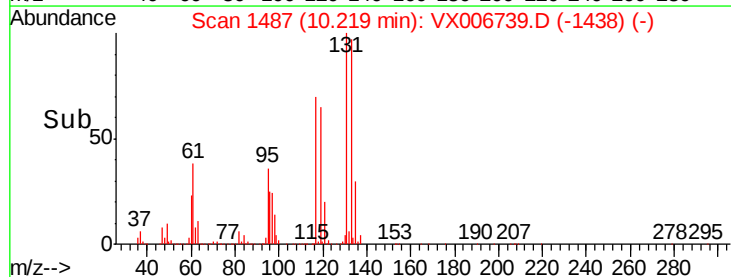
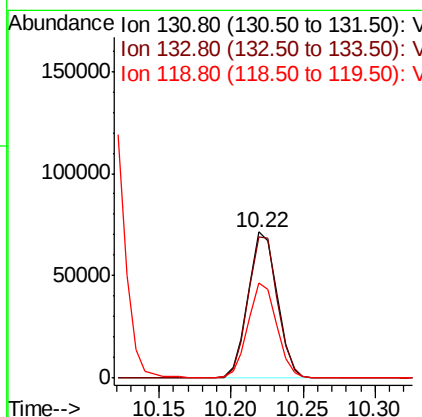
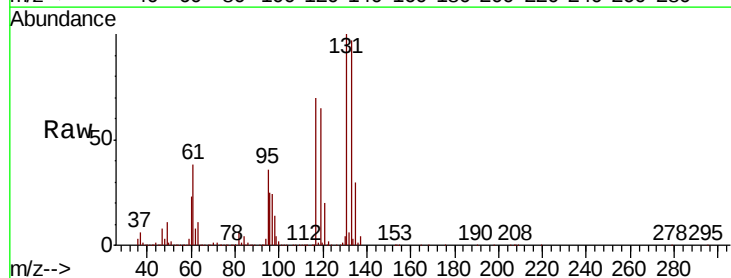
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBS02

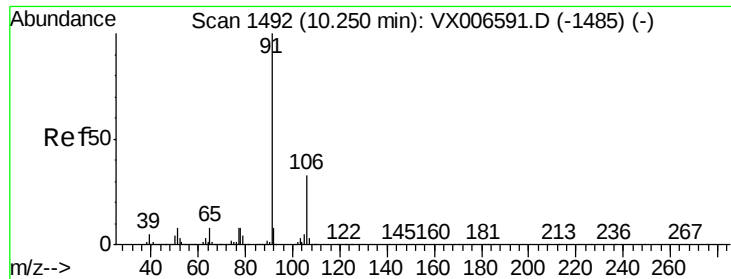
Tot Ion:112 Resp: 306450
Ion Ratio Lower Upper
112 100
114 31.7 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 20.262 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

Tgt Ion:131 Resp: 99755
Ion Ratio Lower Upper
131 100
133 97.8 48.0 144.2
119 63.6 32.6 97.8





#67

Ethyl Benzene

Concen: 19.523 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

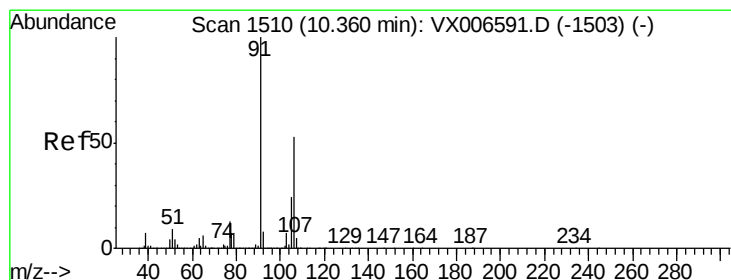
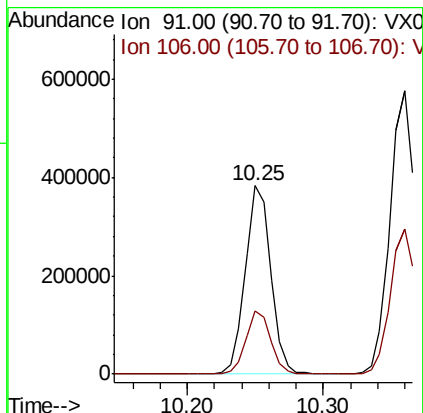
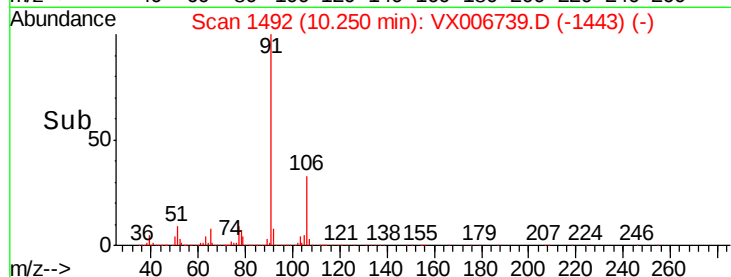
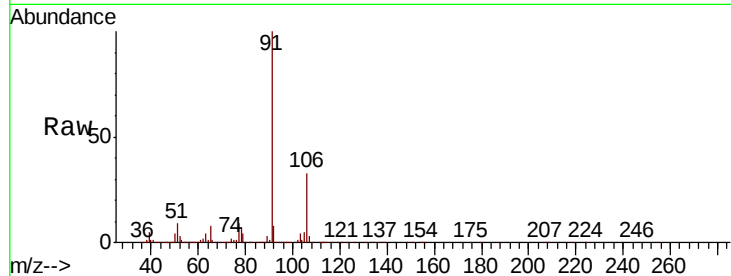
VX1221WBS02

Tot Ion: 91 Resp: 503390

Ion Ratio Lower Upper

91 100

106 33.5 26.4 39.6



#68

m/p-Xylenes

Concen: 38.886 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006739.D

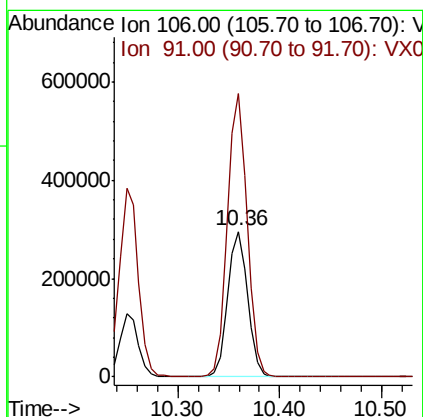
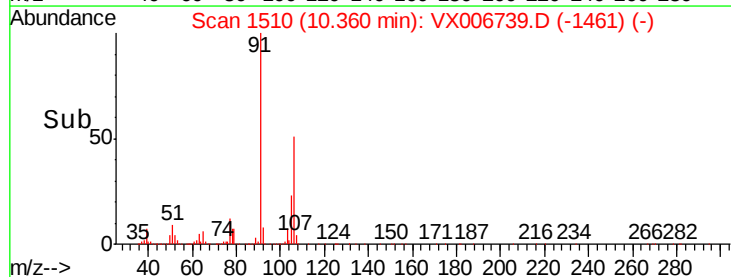
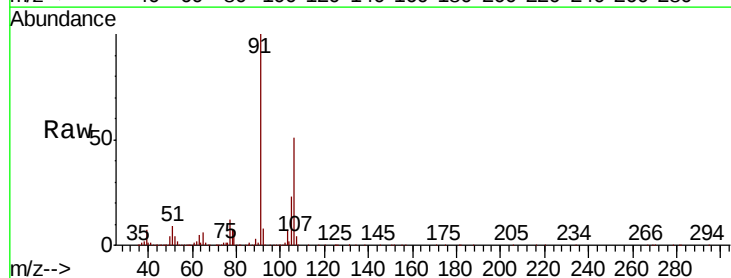
Acq: 21 Dec 2018 23:04

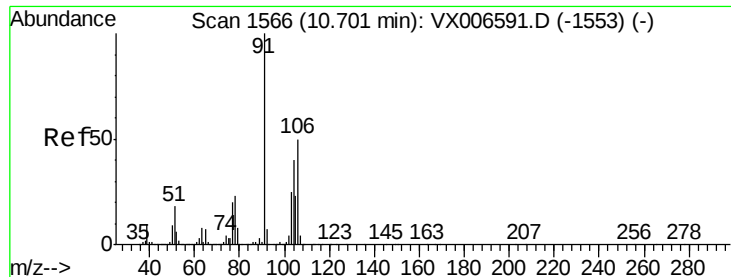
Tgt Ion: 106 Resp: 395655

Ion Ratio Lower Upper

106 100

91 193.3 155.8 233.6

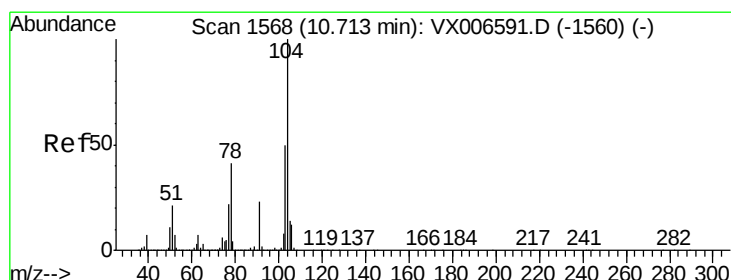
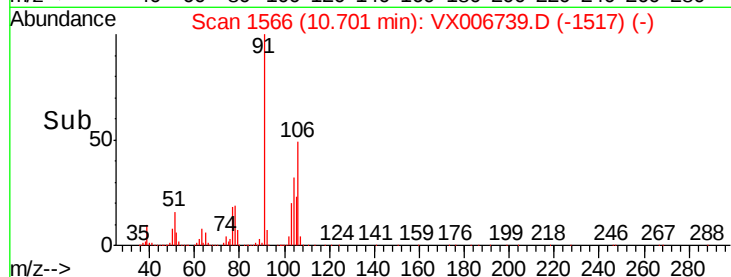
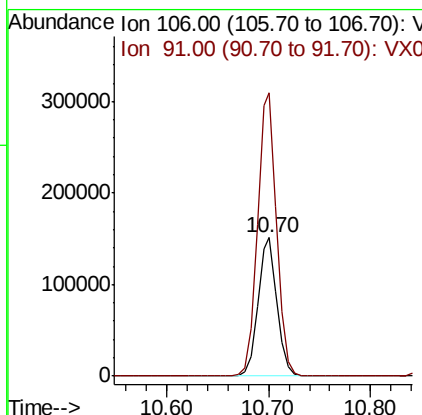
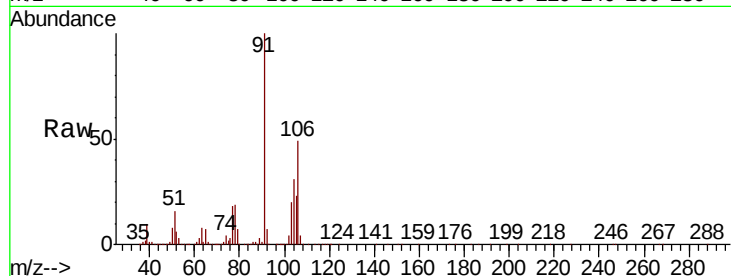




#69
o-Xylene
Concen: 19.523 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

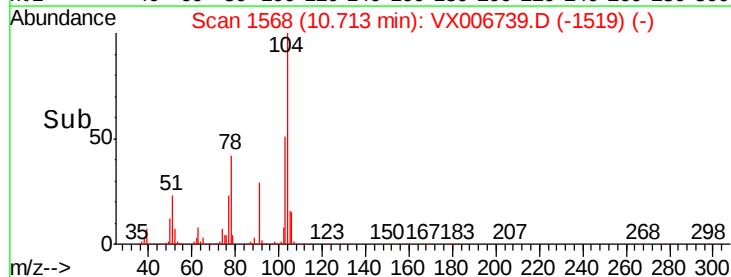
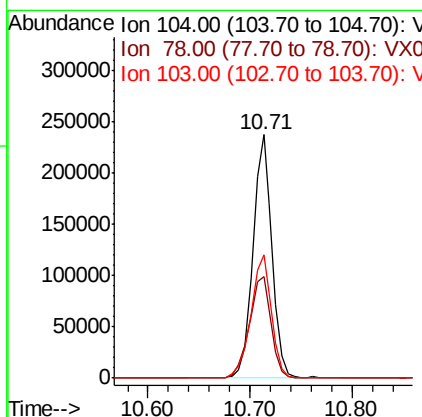
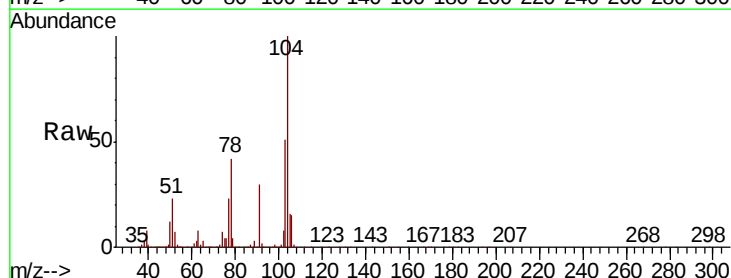
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBS02

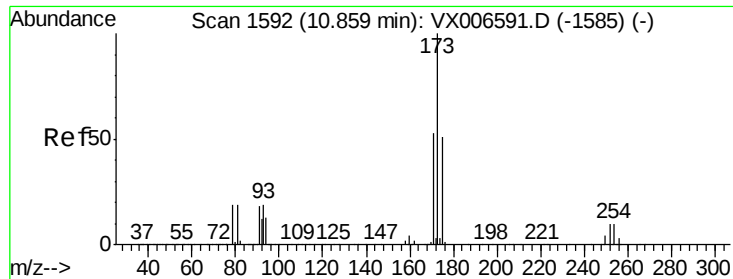
Tot Ion:106 Resp: 196151
Ion Ratio Lower Upper
106 100
91 207.3 101.3 303.7



#70
Styrene
Concen: 19.442 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

Tgt Ion:104 Resp: 309037
Ion Ratio Lower Upper
104 100
78 48.0 37.7 56.5
103 54.9 43.8 65.8

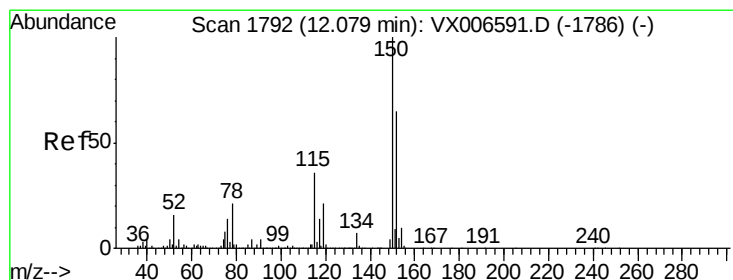
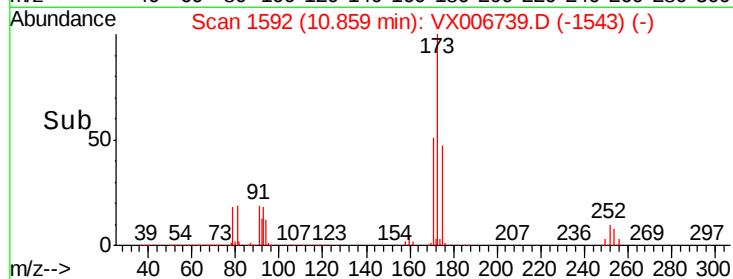
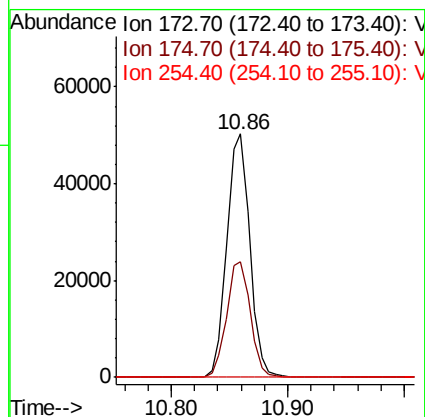
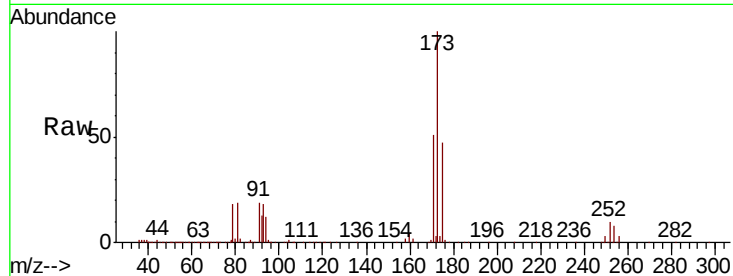




#71
Bromoform
Concen: 18.590 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

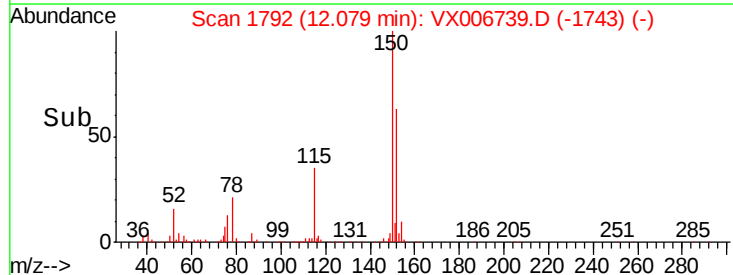
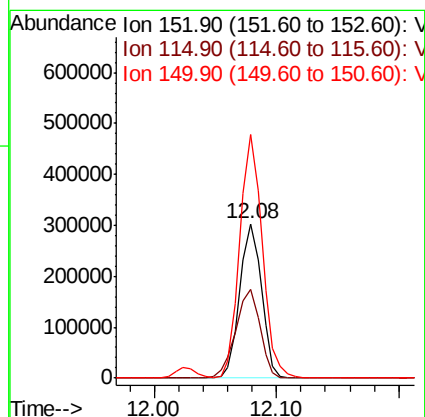
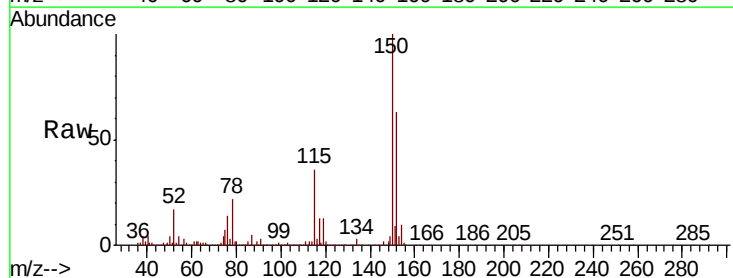
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBS02

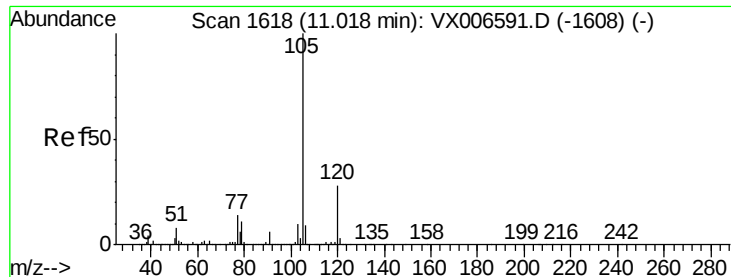
Tot Ion:173 Resp: 68892
Ion Ratio Lower Upper
173 100
175 49.0 24.7 74.1
254 0.2 0.2 0.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

Tgt Ion:152 Resp: 371927
Ion Ratio Lower Upper
152 100
115 64.3 39.1 117.2
150 163.2 0.0 344.8





#73

Isopropylbenzene

Concen: 20.463 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

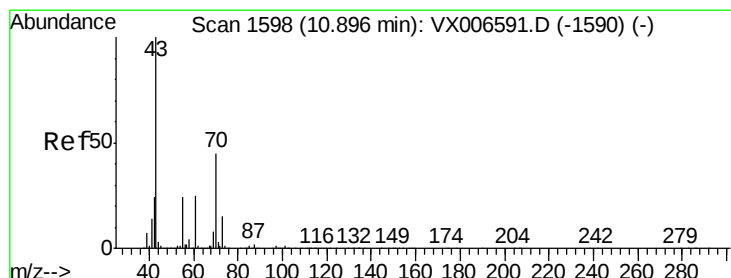
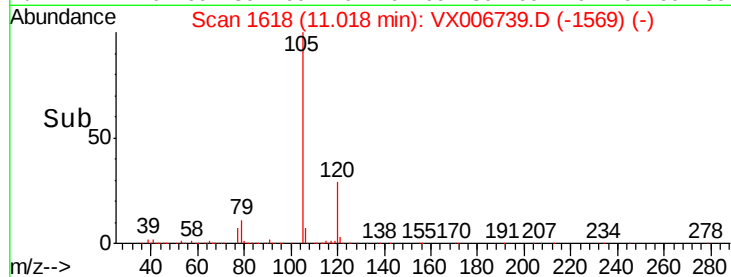
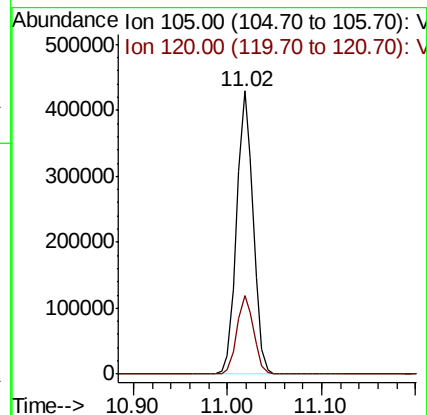
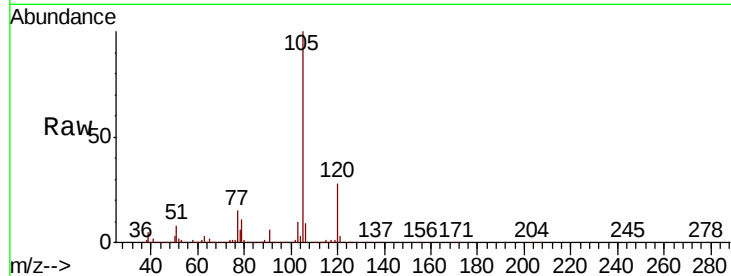
VX1221WBS02

Tot Ion:105 Resp: 520678

Ion Ratio Lower Upper

105 100

120 28.0 14.1 42.4



#74

N-ethyl acetate

Concen: 21.793 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Tgt Ion: 43 Resp: 198484

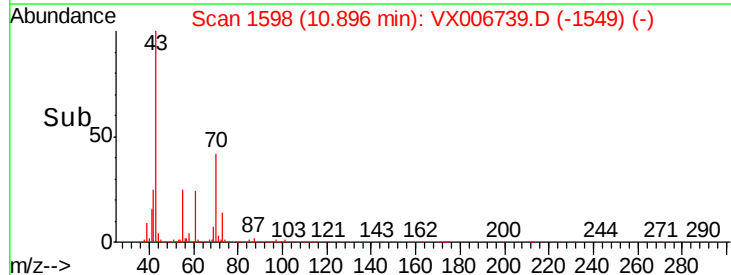
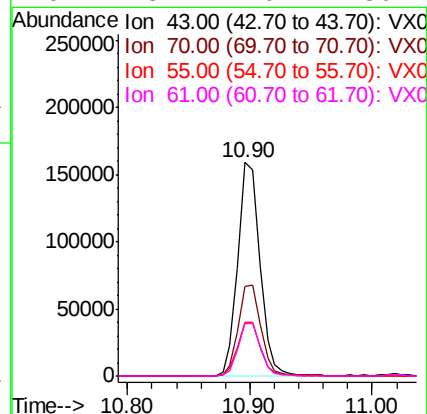
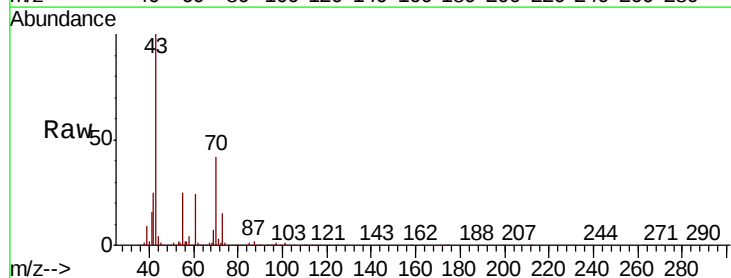
Ion Ratio Lower Upper

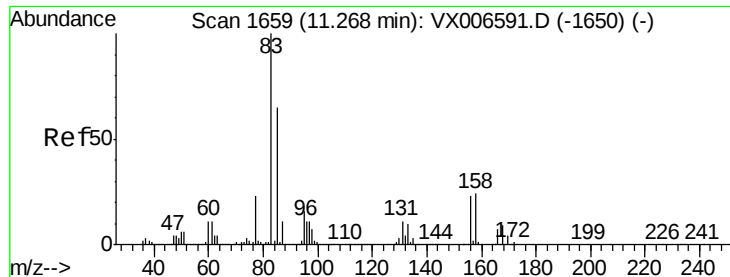
43 100

70 43.7 35.8 53.8

55 26.2 19.4 29.0

61 25.2 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.612 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBS02

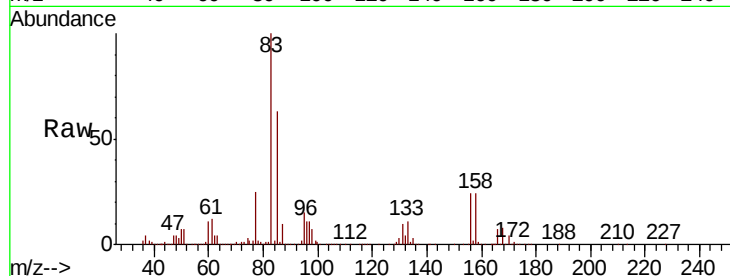
Tot Ion: 83 Resp: 171111

Ion Ratio Lower Upper

83 100

131 10.9 5.7 17.1

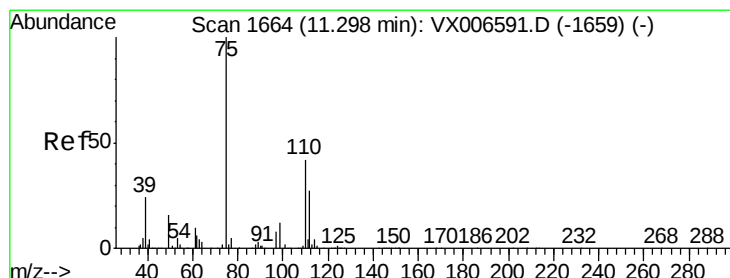
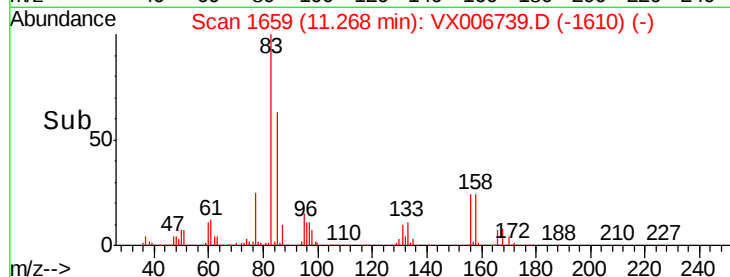
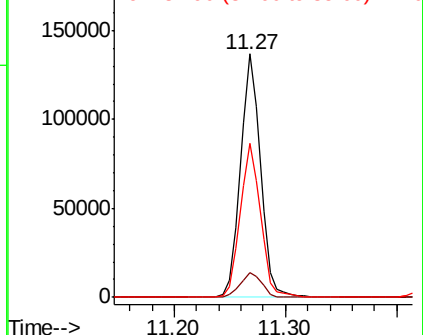
85 64.1 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.441 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006739.D

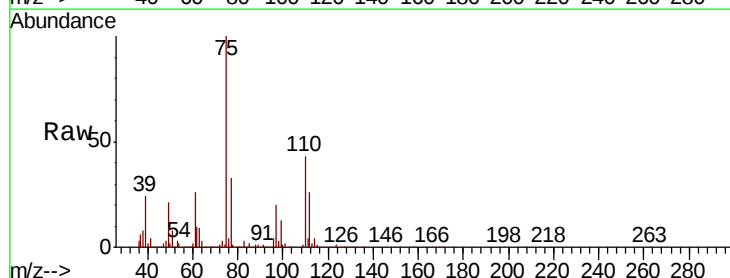
Acq: 21 Dec 2018 23:04

Tgt Ion: 75 Resp: 168938

Ion Ratio Lower Upper

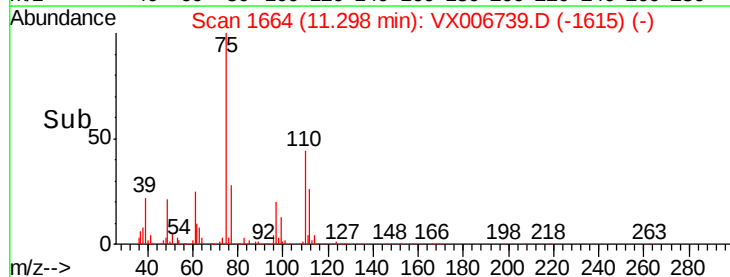
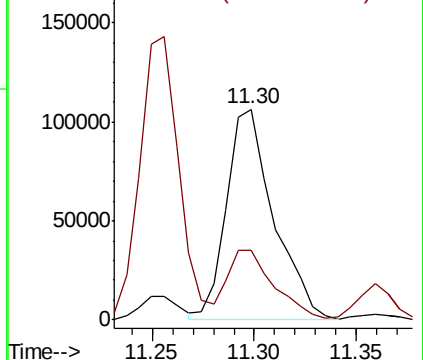
75 100

77 32.8 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.997 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBS02

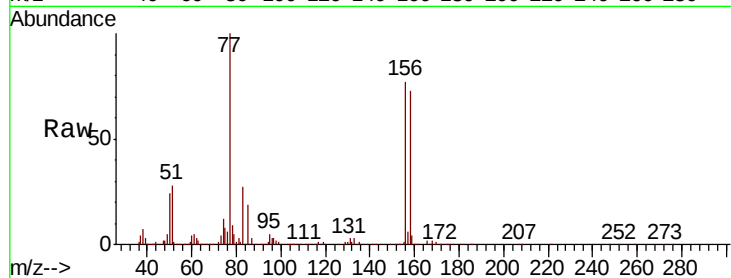
Tot Ion:156 Resp: 137557

Ion Ratio Lower Upper

156 100

77 138.2 68.0 204.0

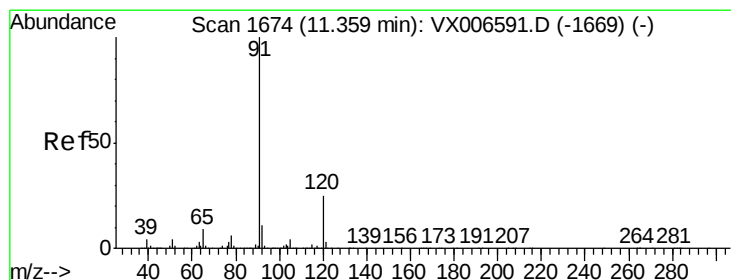
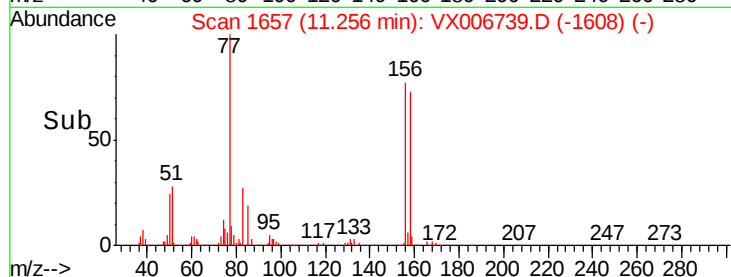
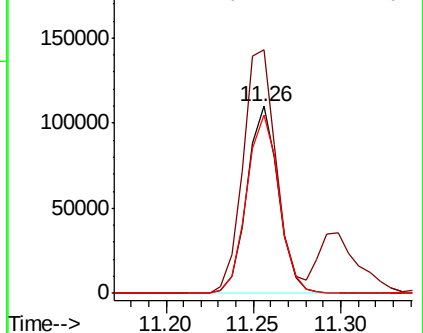
158 98.8 48.3 144.8



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: 20.220 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006739.D

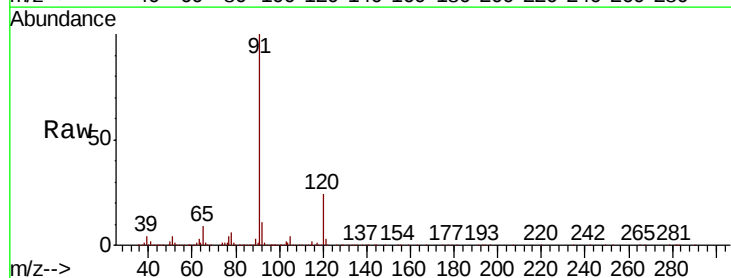
Acq: 21 Dec 2018 23:04

Tgt Ion: 91 Resp: 566540

Ion Ratio Lower Upper

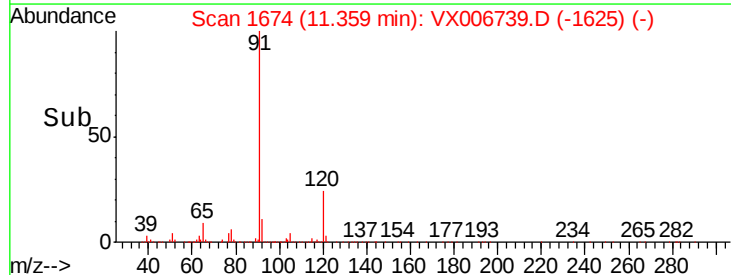
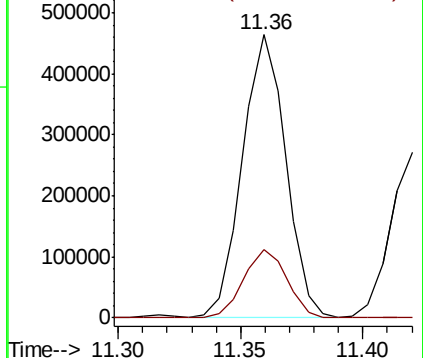
91 100

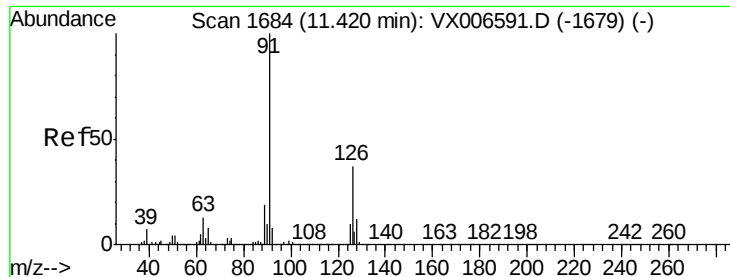
120 24.6 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.805 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampled :

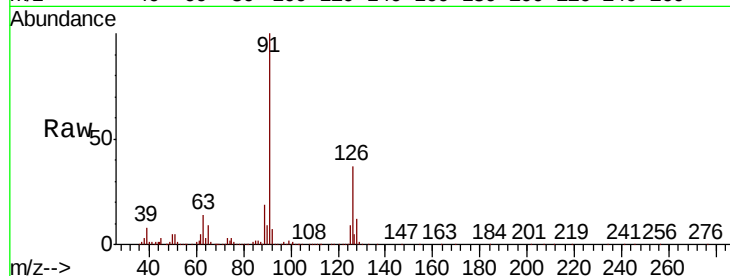
VX1221WBS02

Tot Ion: 91 Resp: 336291

Ion Ratio Lower Upper

91 100

126 37.6 18.6 56.0



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

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

500000

400000

300000

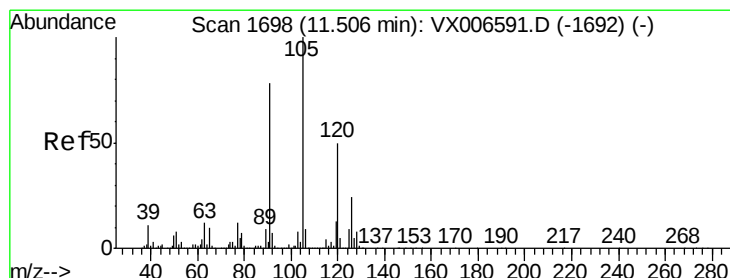
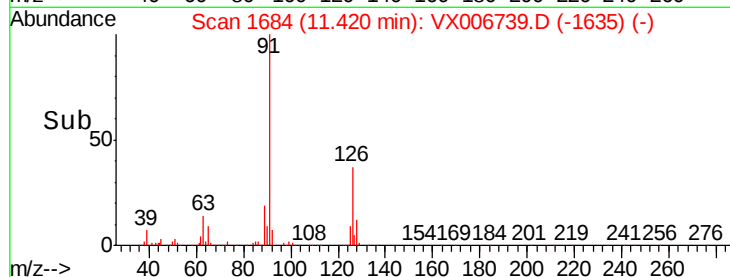
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.096 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006739.D

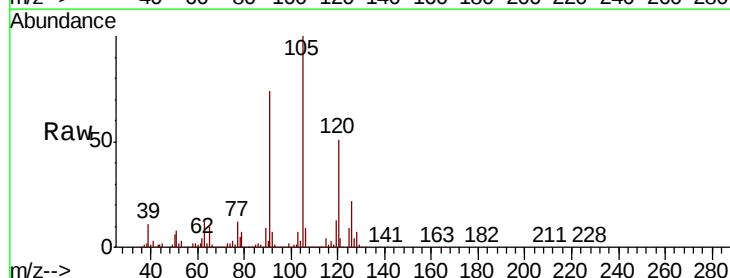
Acq: 21 Dec 2018 23:04

Tgt Ion: 105 Resp: 421155

Ion Ratio Lower Upper

105 100

120 51.1 25.1 75.3



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

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

400000

300000

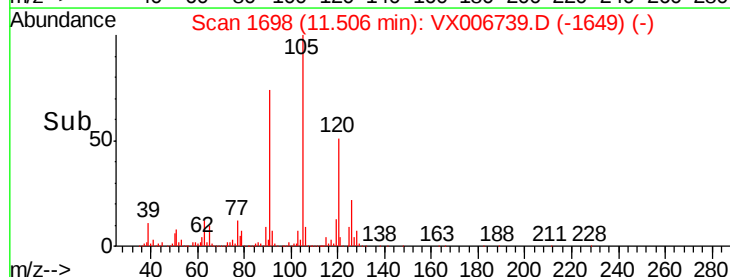
200000

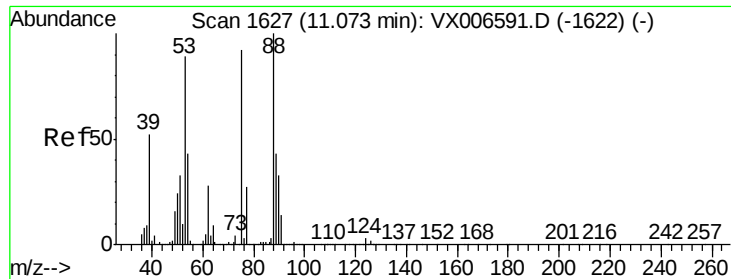
100000

0

11.50 11.60

Time-->

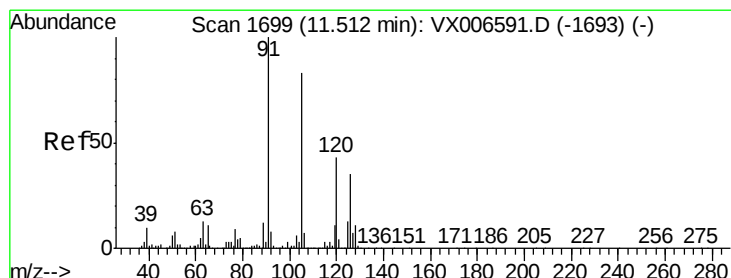
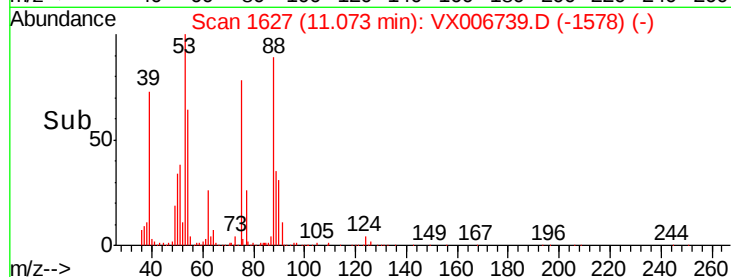
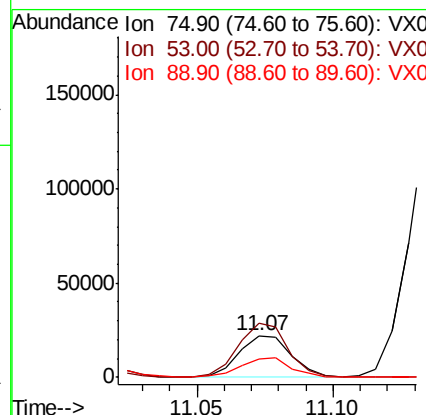
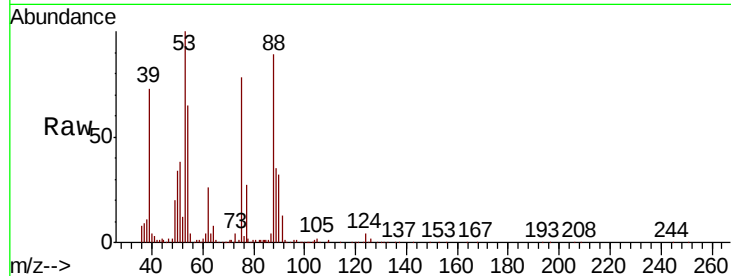




#81
trans-1,4-Dichloro-2-butene
Concen: 15.969 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

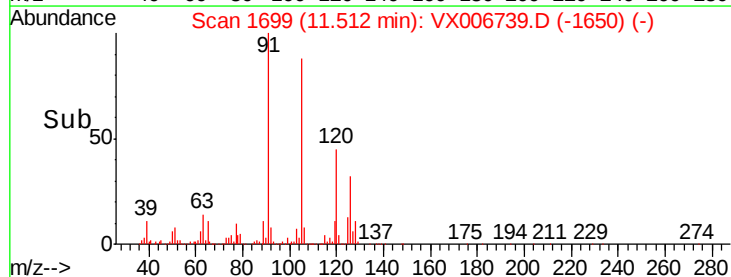
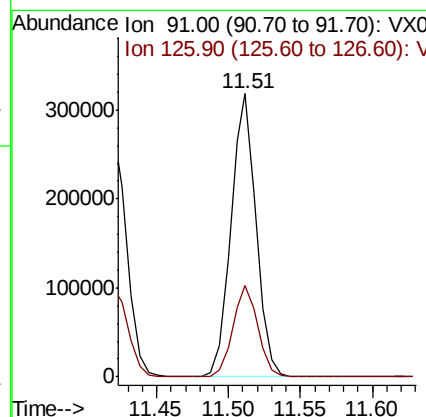
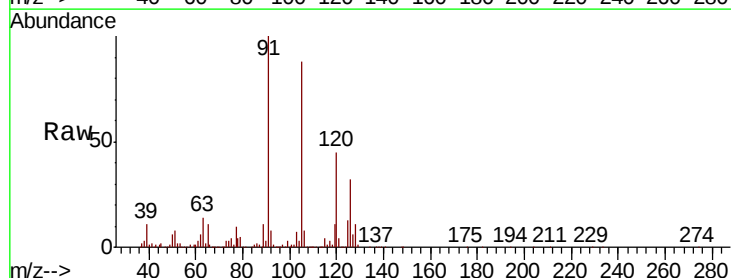
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBS02

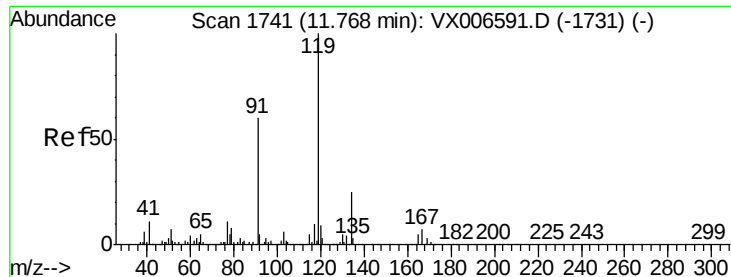
Tot Ion: 75 Resp: 29121
Ion Ratio Lower Upper
75 100
53 126.2 79.7 119.5#
89 46.2 38.0 57.0



#82
4-Chlorotoluene
Concen: 19.937 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

Tgt Ion: 91 Resp: 388307
Ion Ratio Lower Upper
91 100
126 32.3 16.3 48.9

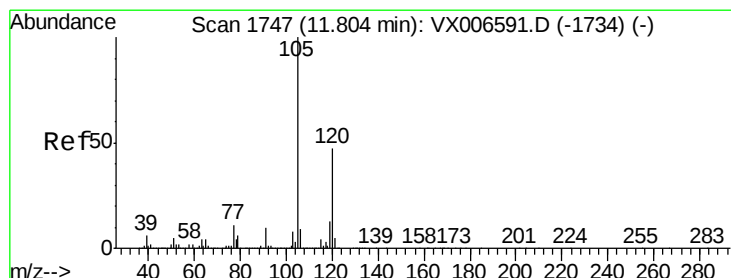
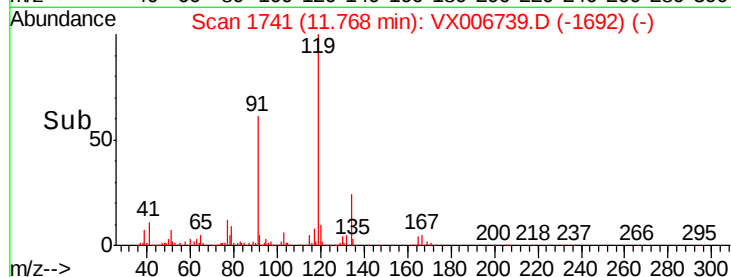
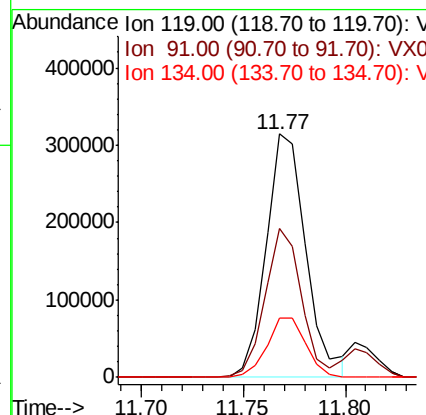
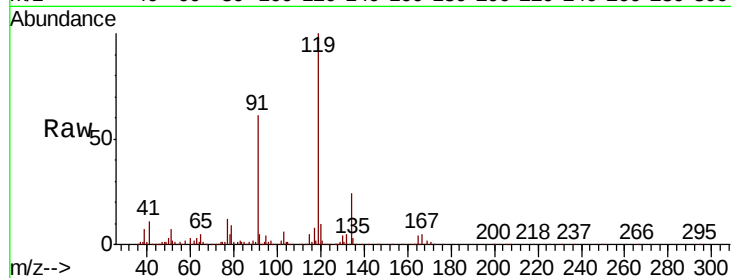




#83
tert-Butylbenzene
Concen: 20.364 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

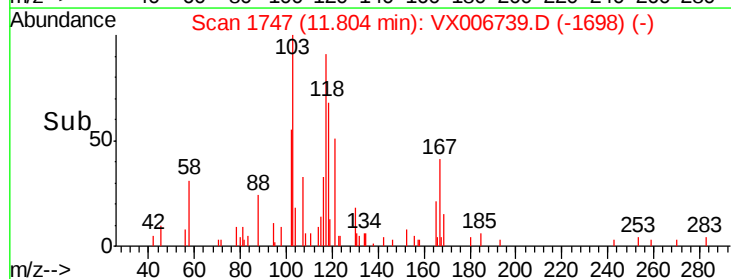
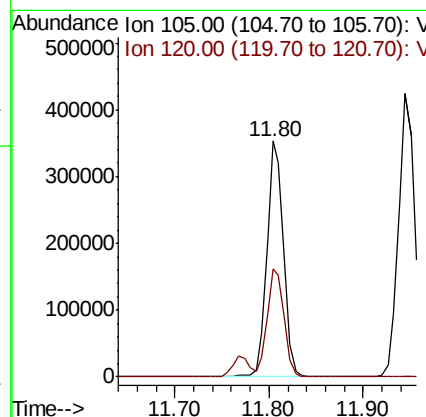
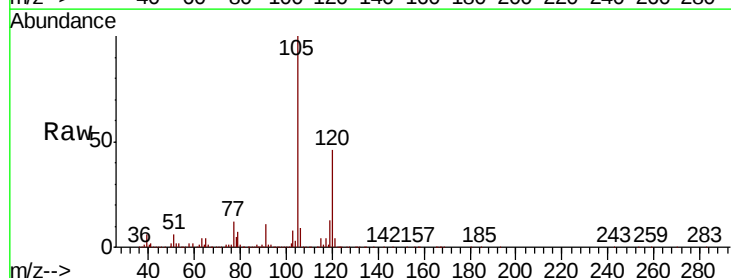
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBS02

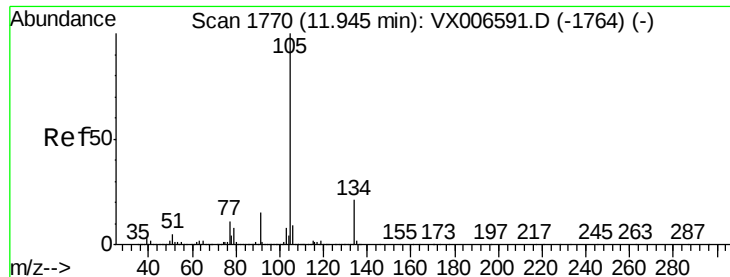
Tot Ion:119 Resp: 427132
Ion Ratio Lower Upper
119 100
91 55.7 27.7 83.1
134 24.2 11.9 35.5



#84
1,2,4-Trimethylbenzene
Concen: 19.909 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

Tgt Ion:105 Resp: 438876
Ion Ratio Lower Upper
105 100
120 46.5 23.2 69.6





#85

sec-Butylbenzene

Concen: 19.843 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

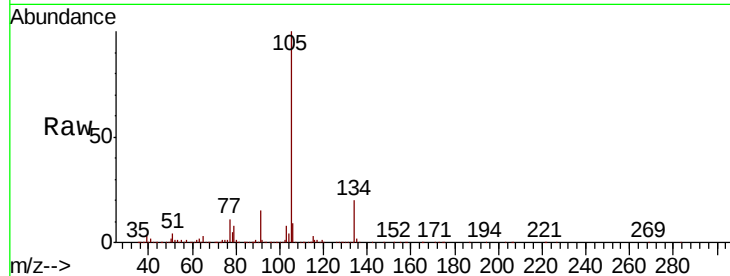
VX1221WBS02

Tot Ion:105 Resp: 510298

Ion Ratio Lower Upper

105 100

134 21.3 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

400000

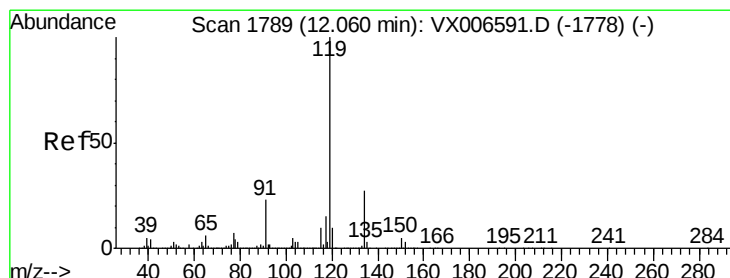
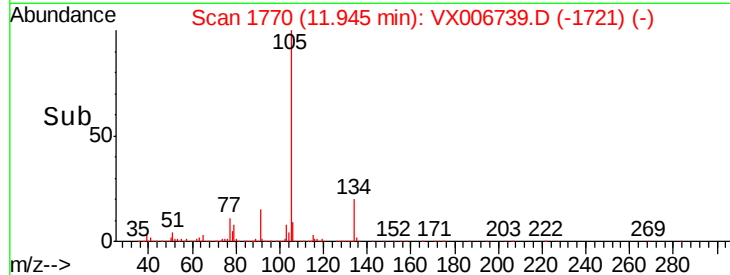
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.221 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

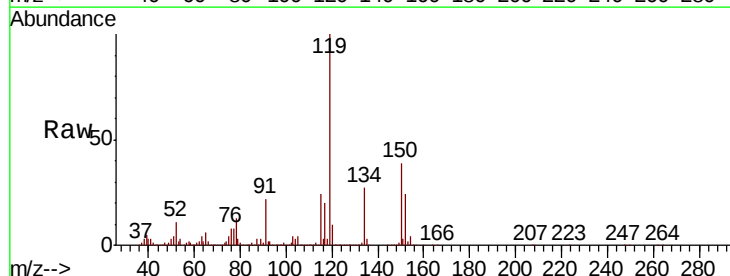
Tgt Ion:119 Resp: 457116

Ion Ratio Lower Upper

119 100

134 27.0 14.0 41.9

91 22.7 11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

400000

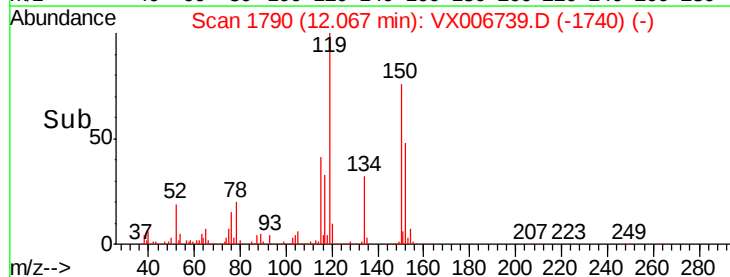
300000

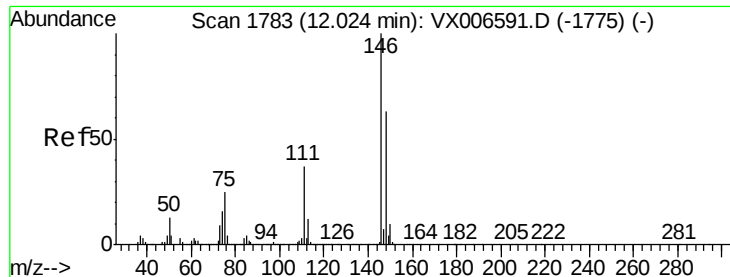
200000

100000

0

Time-->

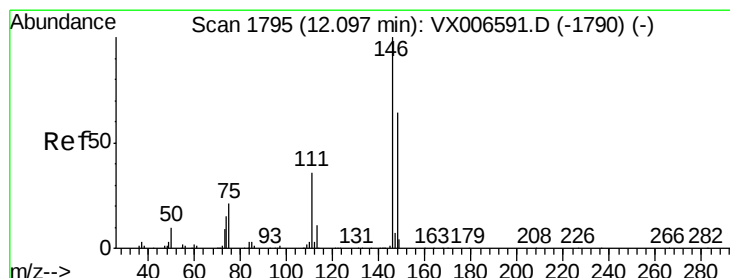
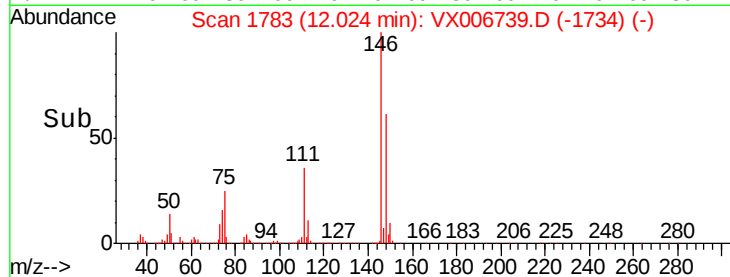
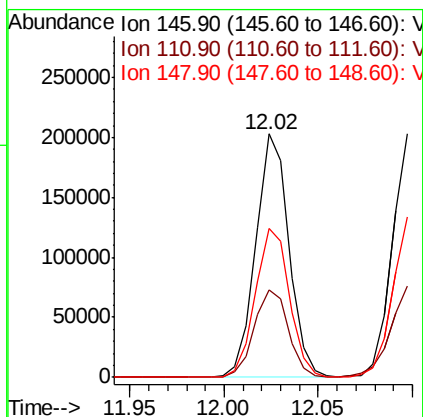
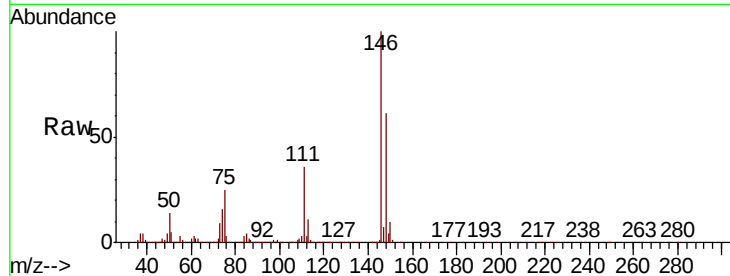




#87
 1,3-Dichlorobenzene
 Concen: 19.967 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006739.D
 Acq: 21 Dec 2018 23:04

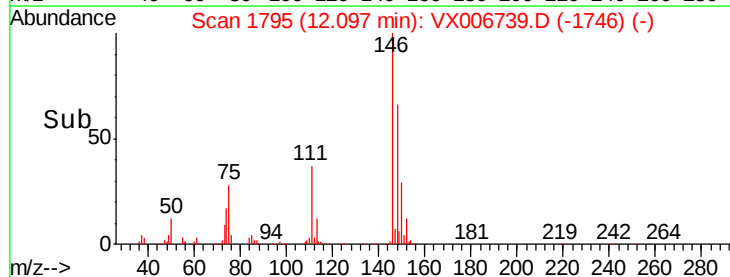
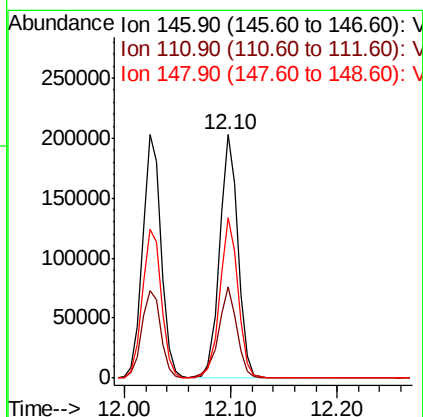
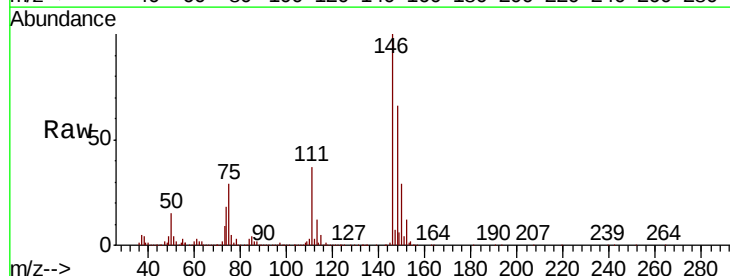
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBS02

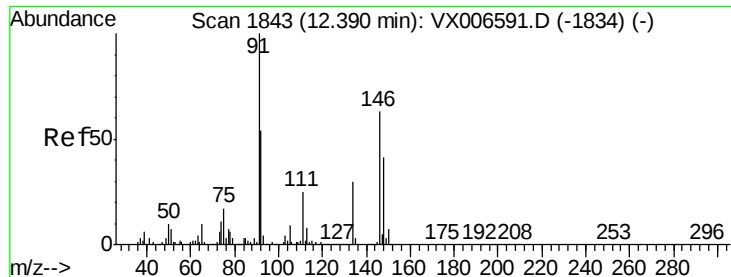
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.8
148	63.1	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 19.151 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006739.D
 Acq: 21 Dec 2018 23:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.1
148	65.2	31.9	95.9

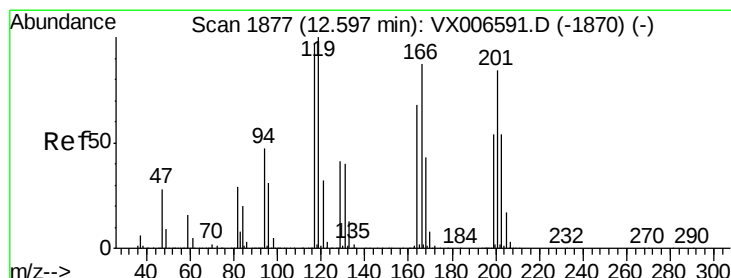
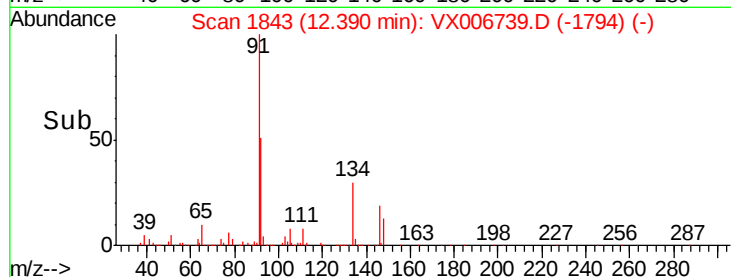
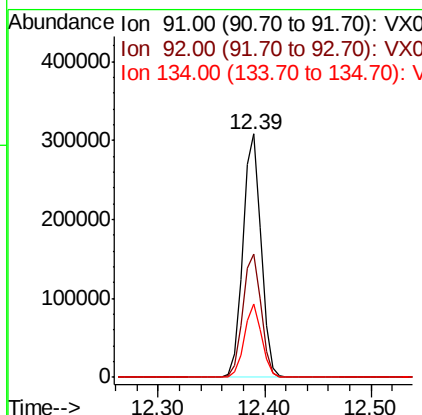
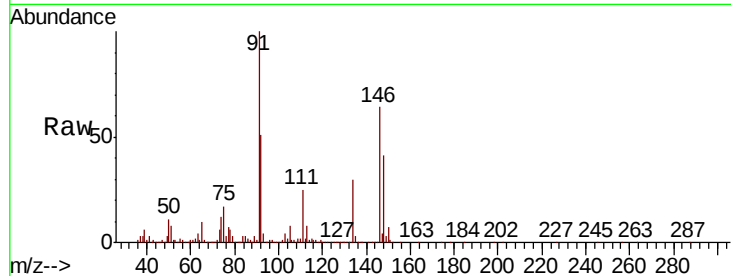




#89
n-Butylbenzene
Concen: 19.172 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

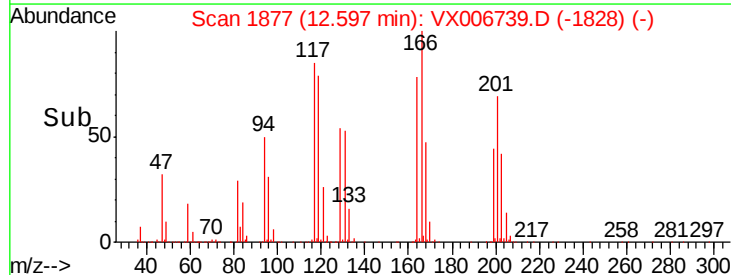
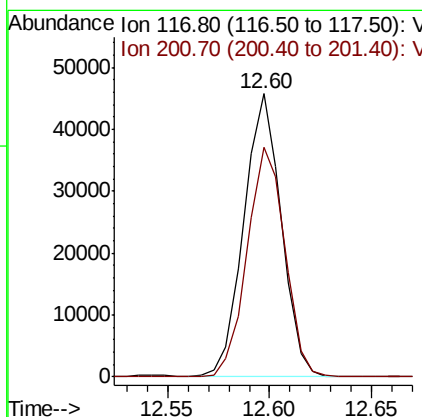
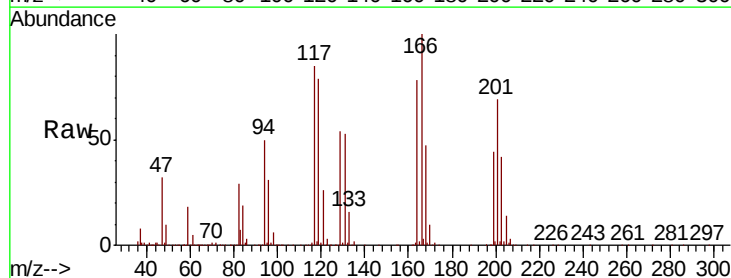
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBS02

Tot Ion: 91 Resp: 368856
Ion Ratio Lower Upper
91 100
92 51.5 26.8 80.4
134 28.8 14.4 43.2



#90
Hexachloroethane
Concen: 18.631 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006739.D
Acq: 21 Dec 2018 23:04

Tgt Ion: 117 Resp: 58092
Ion Ratio Lower Upper
117 100
201 82.2 42.9 128.7





#91

1,2-Dichlorobenzene

Concen: 19.732 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBS02

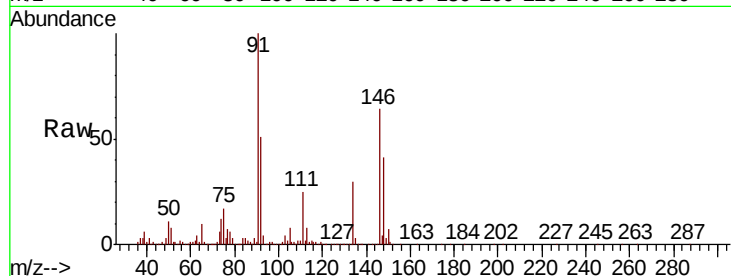
Tot Ion:146 Resp: 244712

Ion Ratio Lower Upper

146 100

111 38.7 19.4 58.2

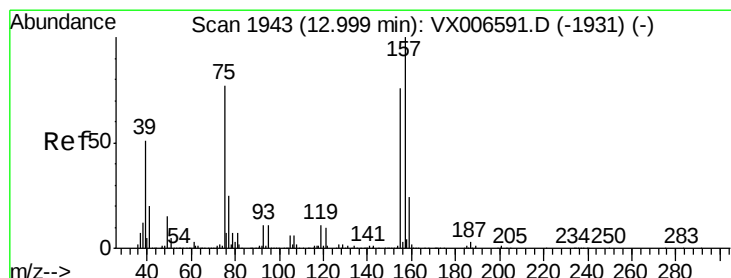
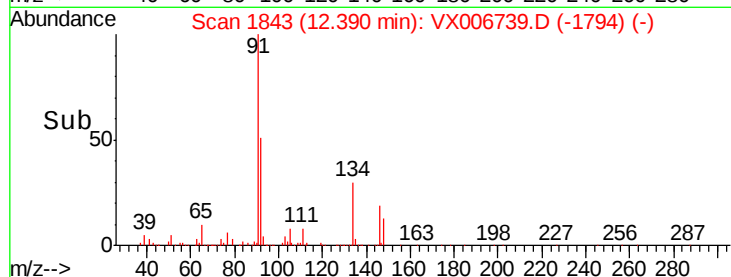
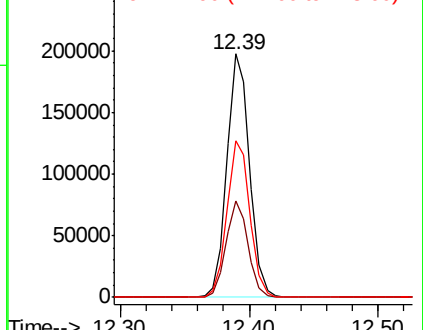
148 65.4 32.3 96.9



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: VX006739.D

Acq: 21 Dec 2018 23:04

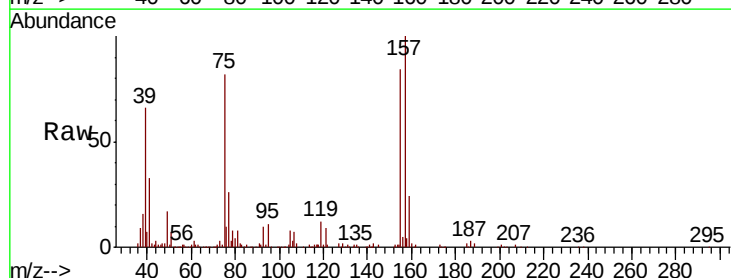
Tgt Ion: 75 Resp: 32038

Ion Ratio Lower Upper

75 100

155 96.7 50.6 151.8

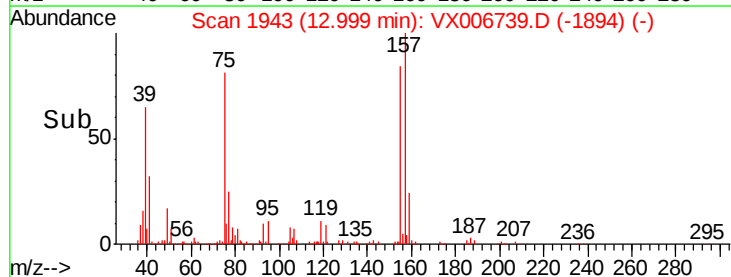
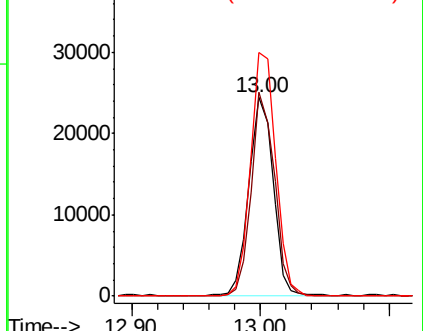
157 125.1 64.6 193.8

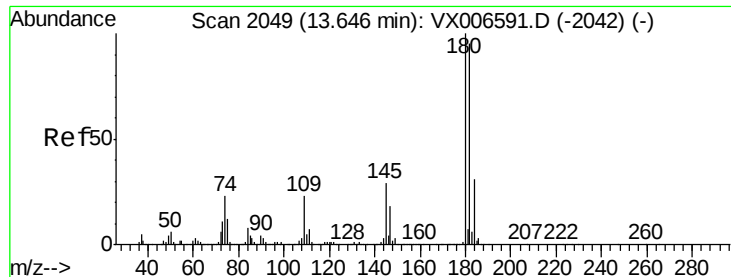


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

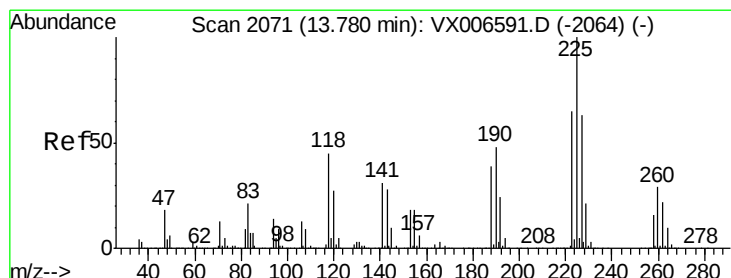
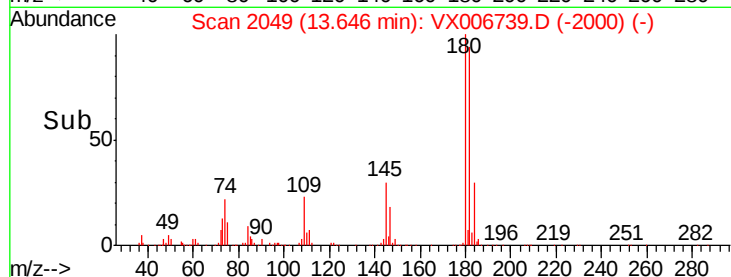
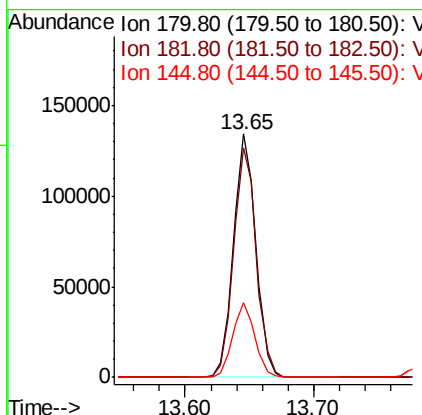
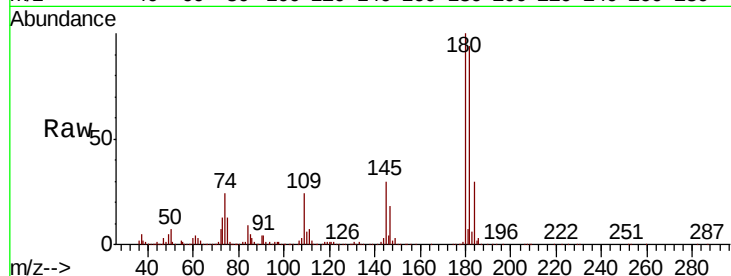




#93
 1,2,4-Trichlorobenzene
 Concen: 19.033 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006739.D
 Acq: 21 Dec 2018 23:04

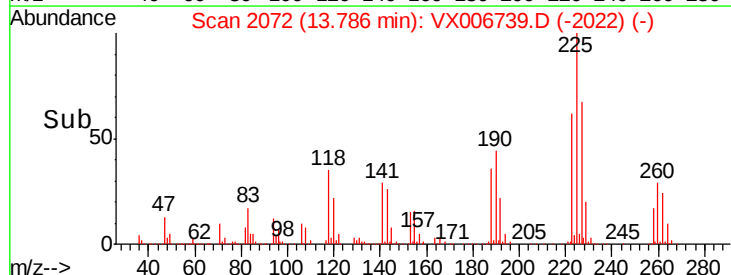
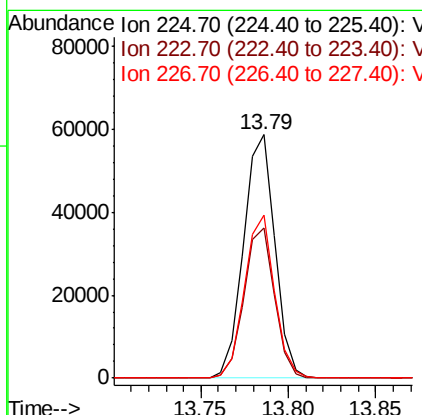
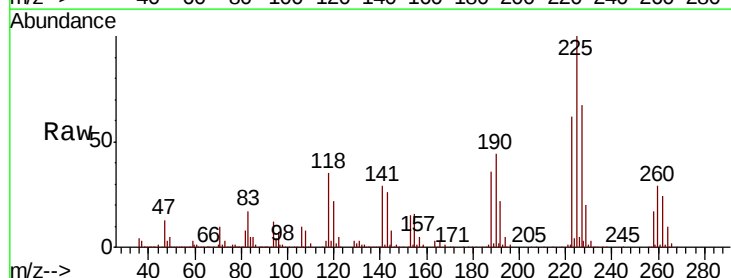
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBS02

Tot Ion:180 Resp: 162823
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.3 142.0
 145 30.5 14.8 44.3



#94
 Hexachlorobutadiene
 Concen: 18.148 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VX006739.D
 Acq: 21 Dec 2018 23:04

Tgt Ion:225 Resp: 73177
 Ion Ratio Lower Upper
 225 100
 223 60.0 32.1 96.3
 227 64.1 32.3 96.8





#95

Naphthalene

Concen: 20.325 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBS02

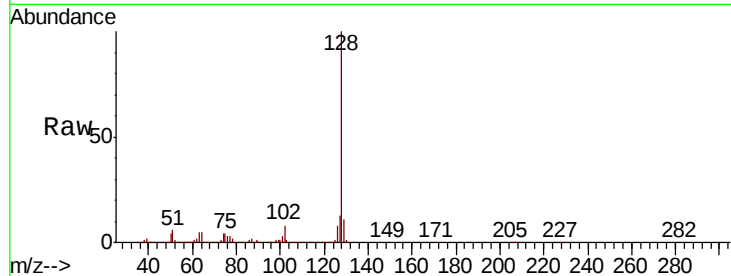
Tot Ion:128 Resp: 554941

Ion Ratio Lower Upper

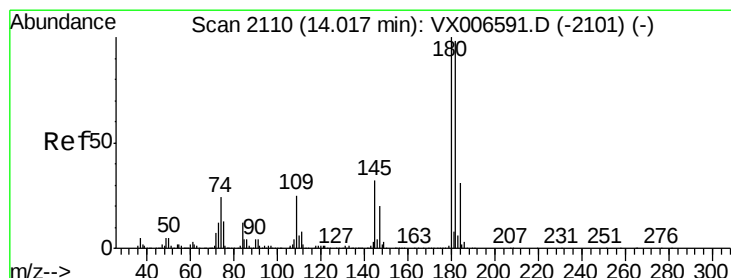
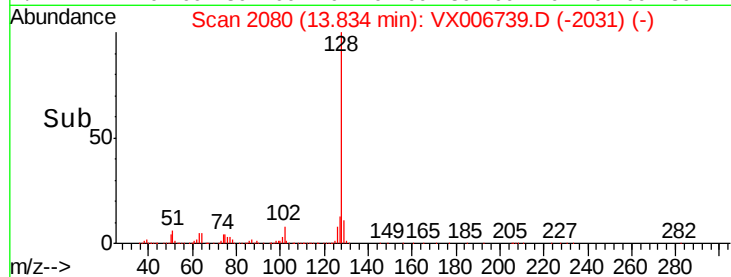
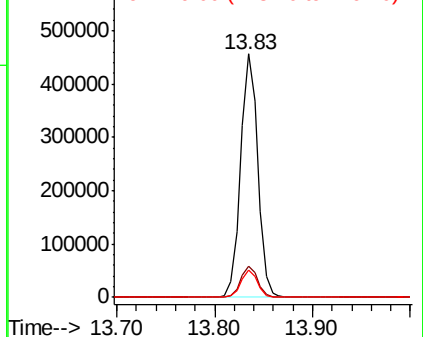
128 100

127 12.9 10.1 15.1

129 10.9 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: 19.240 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.01 min

Lab File: VX006739.D

Acq: 21 Dec 2018 23:04

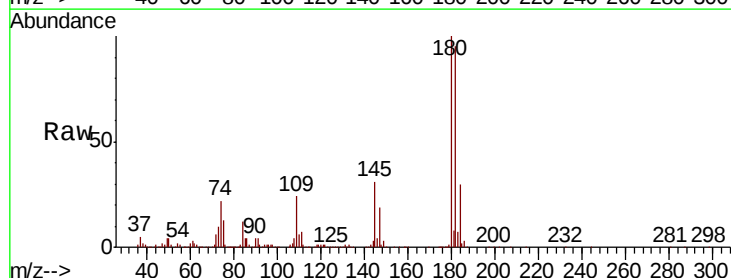
Tgt Ion:180 Resp: 169945

Ion Ratio Lower Upper

180 100

182 94.5 48.5 145.5

145 31.9 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

