

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120718\
 Data File : VX006338.D
 Acq On : 07 Dec 2018 11:12
 Operator : JC/MD
 Sample : VX1207WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1207WBS01

Quant Time: Dec 08 00:08:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	661197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1008618	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	893994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	469234	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	337600	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
35) Dibromofluoromethane	5.50	113	326766	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
50) Toluene-d8	8.71	98	1159532	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	11.13	95	445874	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	133047	20.551	ug/l	98
3) Chloromethane	1.33	50	122740	18.449	ug/l	97
4) Vinyl Chloride	1.41	62	136221	19.025	ug/l	97
5) Bromomethane	1.64	94	107244	21.612	ug/l	98
6) Chloroethane	1.72	64	84419	19.229	ug/l	98
7) Trichlorofluoromethane	1.93	101	210772	19.176	ug/l	99
8) Diethyl Ether	2.19	74	79454	19.101	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	120708	19.314	ug/l	97
10) Methyl Iodide	2.51	142	152950	16.239	ug/l	99
11) Tert butyl alcohol	3.07	59	167298	90.632	ug/l	99
12) 1,1-Dichloroethene	2.38	96	112056	18.729	ug/l	92
13) Acrolein	2.29	56	96087	95.239	ug/l	99
14) Allyl chloride	2.73	41	207070	17.521	ug/l	98
15) Acrylonitrile	3.15	53	357401	92.784	ug/l	100
16) Acetone	2.45	43	286628	90.487	ug/l	96
17) Carbon Disulfide	2.57	76	305882	16.592	ug/l	100
18) Methyl Acetate	2.78	43	203229	19.185	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	401227	18.799	ug/l	98
20) Methylene Chloride	2.86	84	127295	18.882	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	118940	18.655	ug/l	95
22) Diisopropyl ether	3.87	45	365210	19.784	ug/l	93
23) Vinyl Acetate	3.82	43	1509557	95.875	ug/l	99
24) 1,1-Dichloroethane	3.70	63	212848	20.172	ug/l	99
25) 2-Butanone	4.70	43	432366	95.662	ug/l	96
26) 2,2-Dichloropropane	4.59	77	191857	19.702	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	143524	20.181	ug/l	98
28) Bromochloromethane	5.02	49	89600	19.441	ug/l	100
29) Tetrahydrofuran	5.15	42	291718	92.868	ug/l	97
30) Chloroform	5.21	83	223931	20.195	ug/l	95
31) Cyclohexane	5.57	56	183292	18.797	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	208171	19.732	ug/l	99
36) 1,1-Dichloropropene	5.80	75	158718	18.687	ug/l	99
37) Ethyl Acetate	4.85	43	171585	18.039	ug/l	98
38) Carbon Tetrachloride	5.78	117	185370	18.552	ug/l	97

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Quant Time: Dec 08 00:08:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	204990	18.593	ug/l	98
40) Benzene	6.15	78	489105	19.227	ug/l	99
41) Methacrylonitrile	5.06	41	94565	18.068	ug/l	98
42) 1,2-Dichloroethane	6.20	62	163096	19.589	ug/l	100
43) Isopropyl Acetate	6.46	43	280322	17.676	ug/l	99
44) Trichloroethene	7.21	130	145059	18.823	ug/l	92
45) 1,2-Dichloropropane	7.52	63	122957	19.018	ug/l	94
46) Dibromomethane	7.66	93	89085	19.078	ug/l	98
47) Bromodichloromethane	7.90	83	170428	18.847	ug/l	98
48) Methyl methacrylate	7.77	41	136534	17.697	ug/l	97
49) 1,4-Dioxane	7.75	88	74813	393.441	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	865668	93.767	ug/l	98
52) Toluene	8.79	92	316551	18.914	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	185588	17.549	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	202360	18.428	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	134815	19.828	ug/l	98
56) Ethyl methacrylate	9.18	69	198306	18.656	ug/l	98
57) 1,3-Dichloropropane	9.37	76	211723	19.692	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	497530	92.240	ug/l	99
59) 2-Hexanone	9.49	43	663267	94.036	ug/l	98
60) Dibromochloromethane	9.59	129	148134	17.668	ug/l	100
61) 1,2-Dibromoethane	9.67	107	142669	18.766	ug/l	99
64) Tetrachloroethene	9.34	164	133232	19.789	ug/l	98
65) Chlorobenzene	10.14	112	372989	19.654	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	142198	19.285	ug/l	98
67) Ethyl Benzene	10.25	91	612601	19.409	ug/l	99
68) m/p-Xylenes	10.36	106	494879	39.141	ug/l	100
69) o-Xylene	10.70	106	247650	19.830	ug/l	100
70) Styrene	10.71	104	391782	19.396	ug/l	98
71) Bromoform	10.86	173	116850	16.788	ug/l #	100
73) Isopropylbenzene	11.02	105	641645	19.801	ug/l	100
74) N-amyl acetate	10.90	43	253544	18.170	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	204214	19.699	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	238388	26.321	ug/l	86
77) Bromobenzene	11.26	156	176677	19.646	ug/l	99
78) n-propylbenzene	11.36	91	709996	19.711	ug/l	100
79) 2-Chlorotoluene	11.42	91	427831	19.983	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	532406	19.747	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	65426	16.952	ug/l	93
82) 4-Chlorotoluene	11.51	91	486873	19.559	ug/l	100
83) tert-Butylbenzene	11.77	119	569604	19.801	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	553321	19.875	ug/l	99
85) sec-Butylbenzene	11.94	105	652147	19.927	ug/l	99
86) p-Isopropyltoluene	12.07	119	582294	19.759	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	314509	19.655	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	312757	19.257	ug/l	98
89) n-Butylbenzene	12.39	91	478146	19.016	ug/l	99
90) Hexachloroethane	12.60	117	104736	17.438	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	312745	19.693	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45775	17.225	ug/l	96

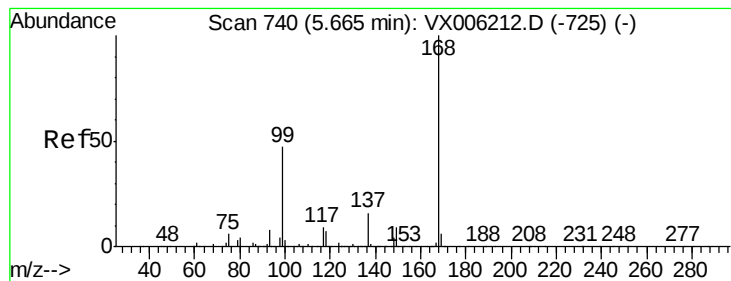
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120718\
Data File : VX006338.D
Acq On : 07 Dec 2018 11:12
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Sample : VX1207WBS01
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Instrument :
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ClientSampleId :
VX1207WBS01

Quant Time: Dec 08 00:08:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	220966	19.072	ug/l	98
94) Hexachlorobutadiene	13.78	225	99757	19.469	ug/l	97
95) Naphthalene	13.83	128	702893	19.503	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	217249	18.931	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

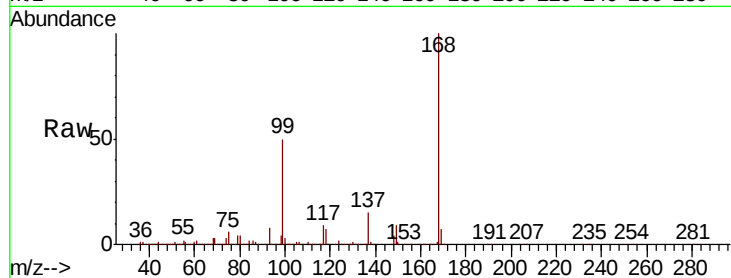
VX1207WBS01

Tot Ion:168 Resp: 661197

Ion Ratio Lower Upper

168 100

99 49.9 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): VX006338.D (-691) (-)

Ion 98.90 (98.60 to 99.60): VX006338.D (-691) (-)

5.67

250000

200000

150000

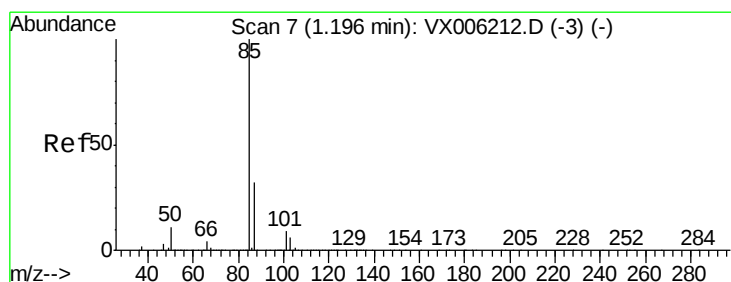
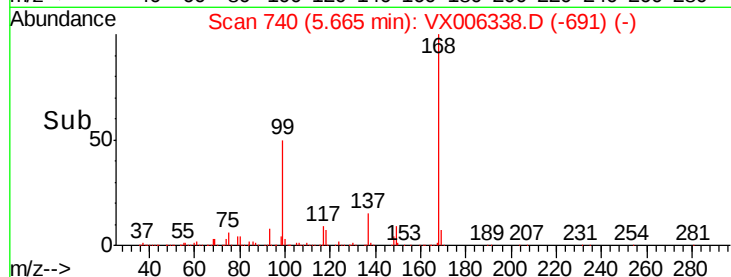
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.551 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006338.D

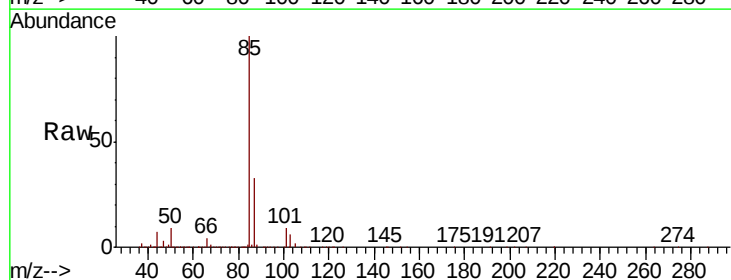
Acq: 07 Dec 2018 11:12

Tgt Ion: 85 Resp: 133047

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX006338.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VX006338.D (-1) (-)

1.20

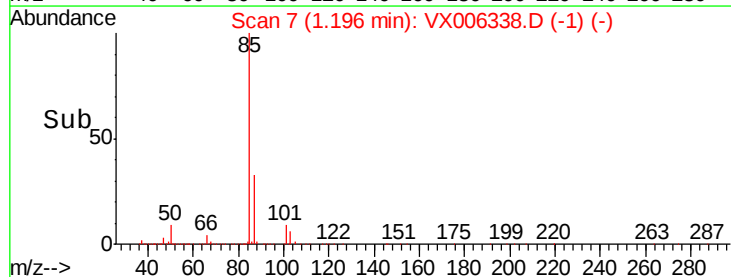
100000

50000

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1.15 1.20 1.25 1.30 1.35

Time-->

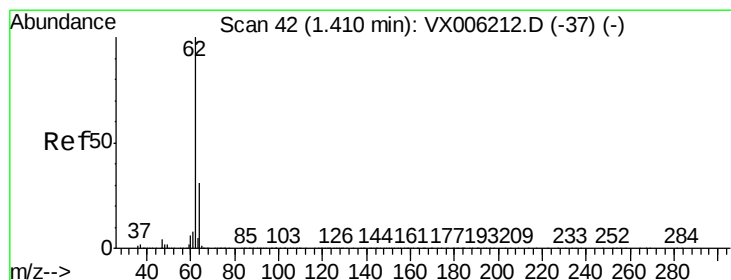
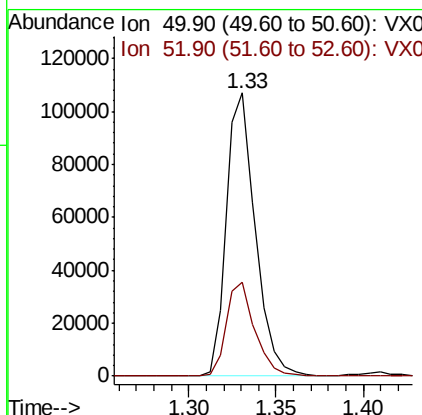
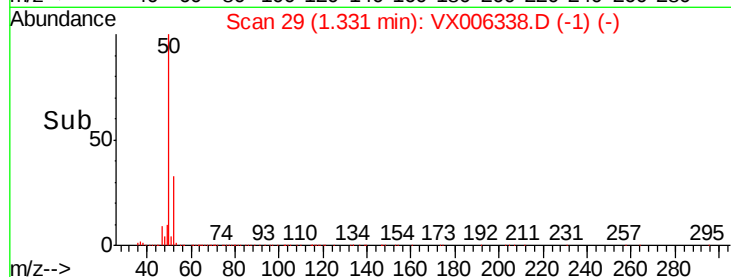
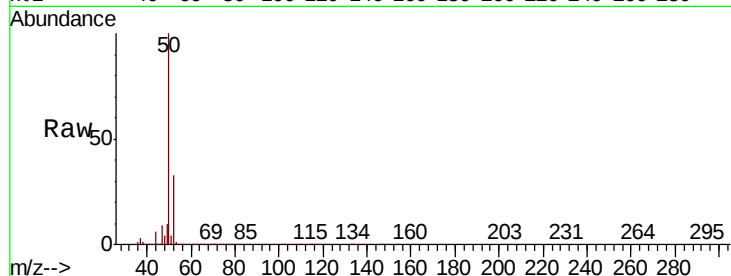




#3
Chloromethane
Concen: 18.449 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

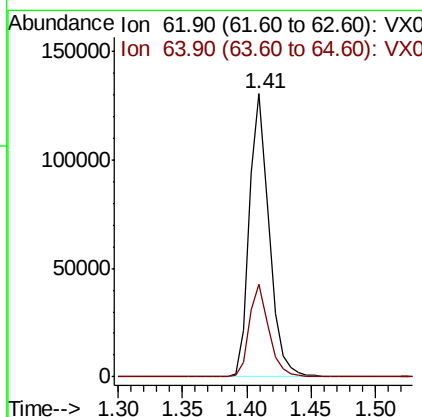
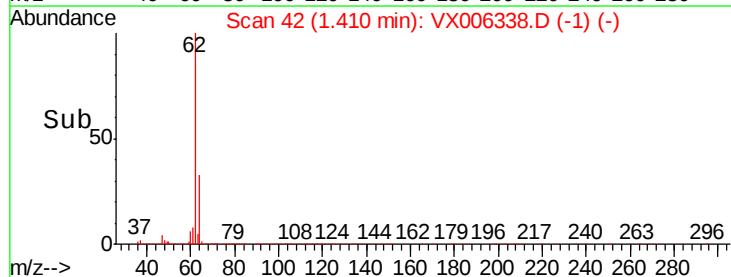
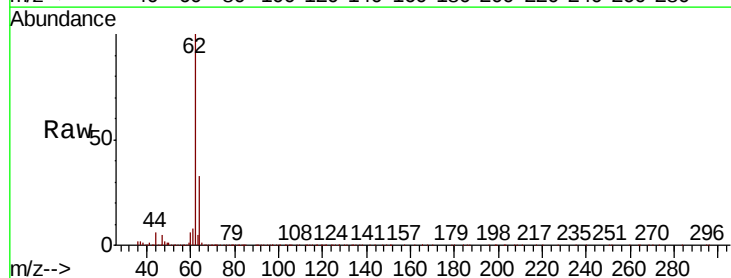
Instrument :
MSVOA_X
ClientSampleId :
VX1207WBS01

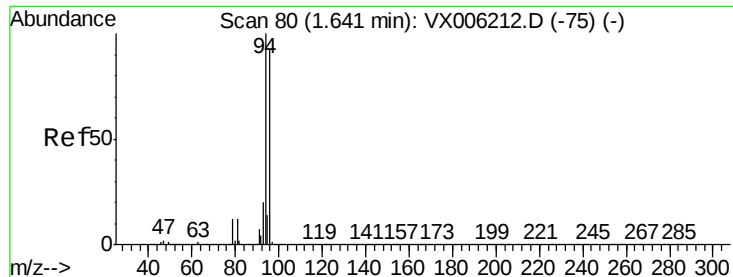
Tot Ion: 50 Resp: 122740
Ion Ratio Lower Upper
50 100
52 33.3 25.2 37.8



#4
Vinyl Chloride
Concen: 19.025 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

Tgt Ion: 62 Resp: 136221
Ion Ratio Lower Upper
62 100
64 32.7 24.9 37.3





#5

Bromomethane

Concen: 21.612 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

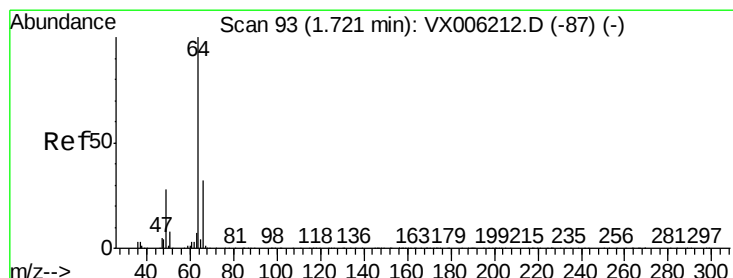
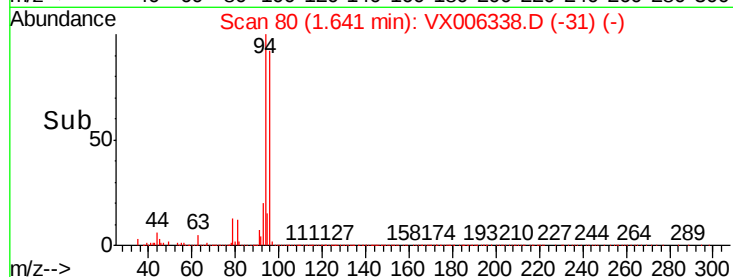
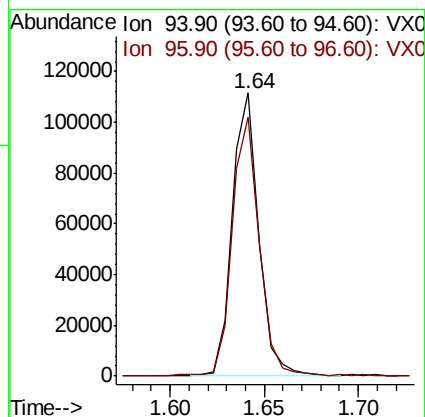
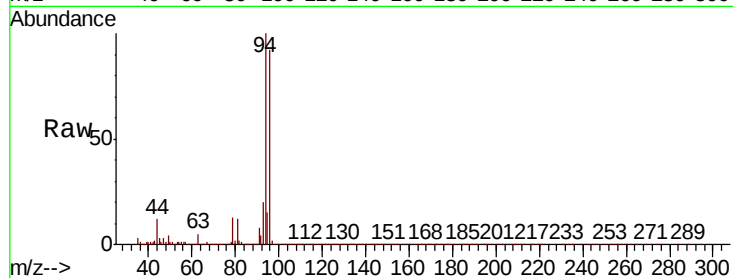
VX1207WBS01

Tot Ion: 94 Resp: 107244

Ion Ratio Lower Upper

94 100

96 91.4 74.5 111.7



#6

Chloroethane

Concen: 19.229 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX006338.D

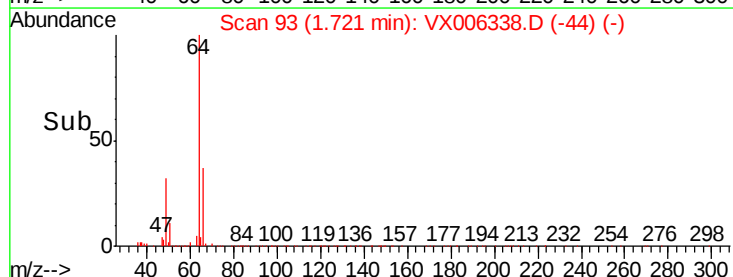
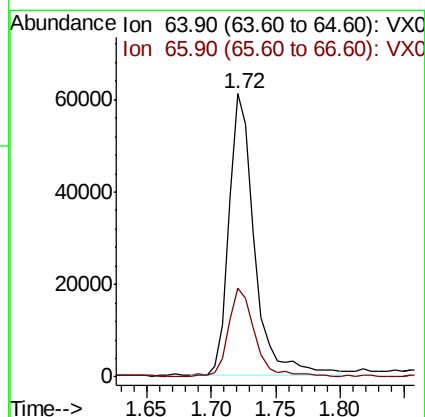
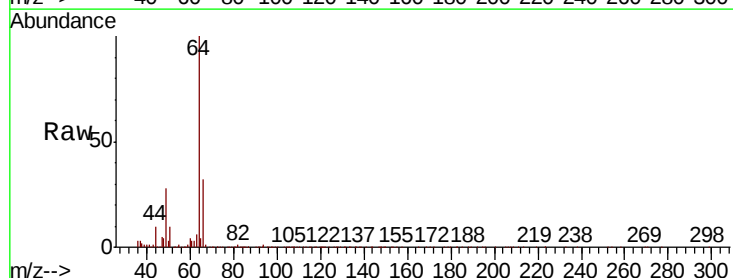
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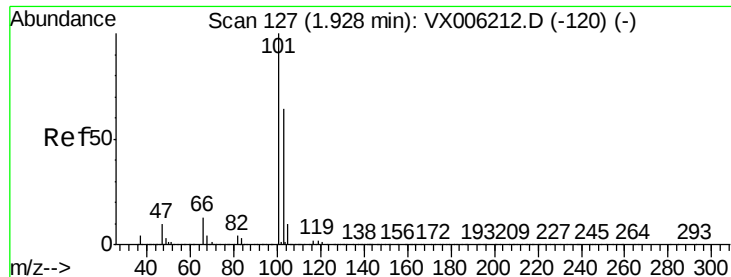
Tgt Ion: 64 Resp: 84419

Ion Ratio Lower Upper

64 100

66 31.5 25.9 38.9



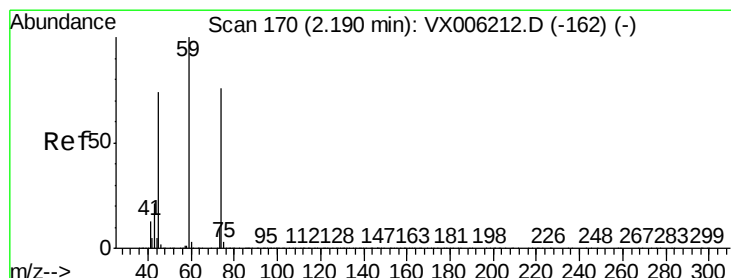
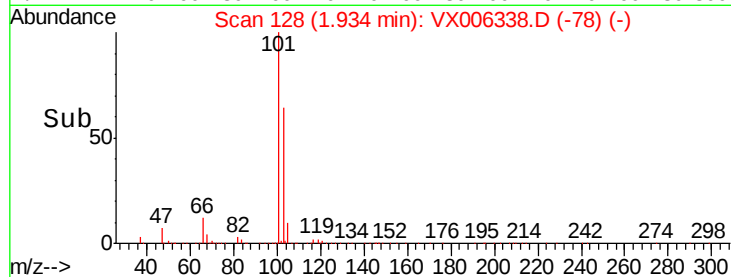
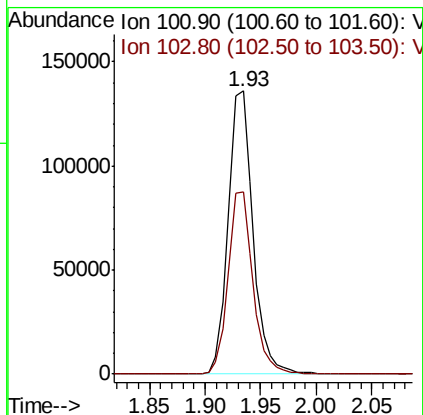
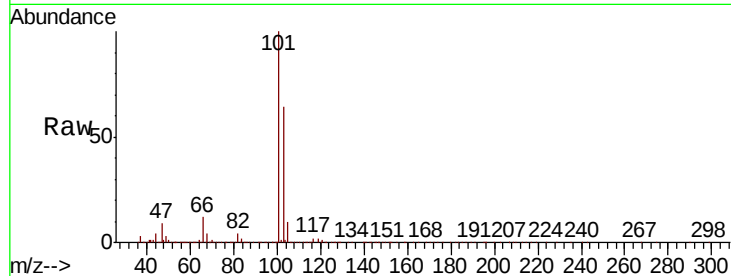


#7

Trichlorofluoromethane
Concen: 19.176 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

Instrument :
MSVOA_X
ClientSampleId :
VX1207WBS01

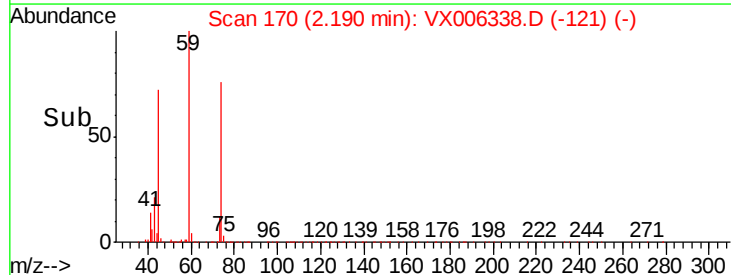
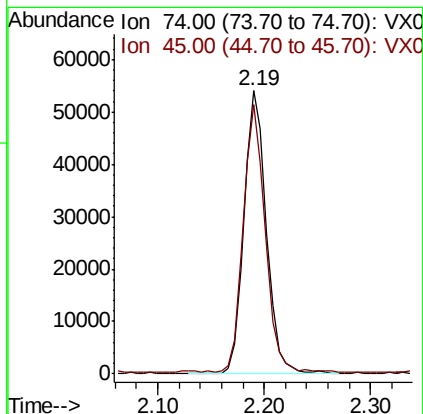
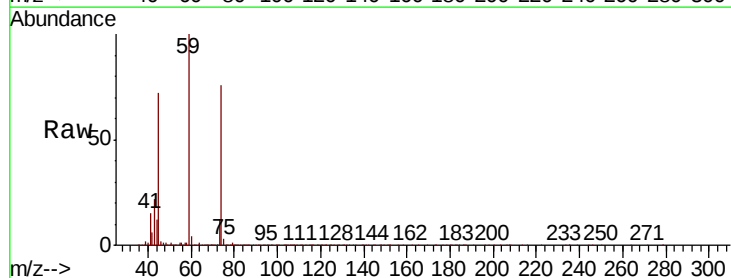
Tot Ion:101 Resp: 210772
Ion Ratio Lower Upper
101 100
103 64.3 51.0 76.4

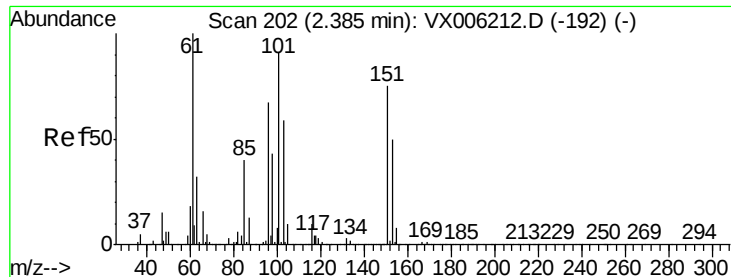


#8

Diethyl Ether
Concen: 19.101 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

Tgt Ion: 74 Resp: 79454
Ion Ratio Lower Upper
74 100
45 92.4 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.314 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

VX1207WBS01

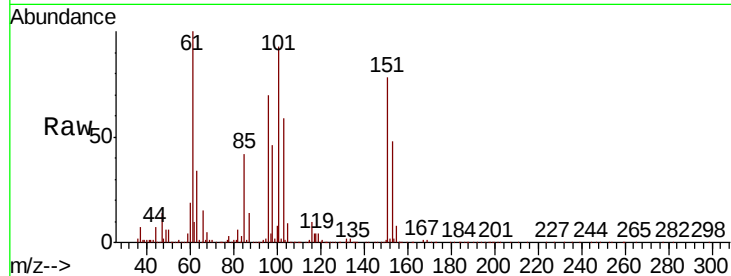
Tot Ion:101 Resp: 120708

Ion Ratio Lower Upper

101 100

85 43.6 35.5 53.3

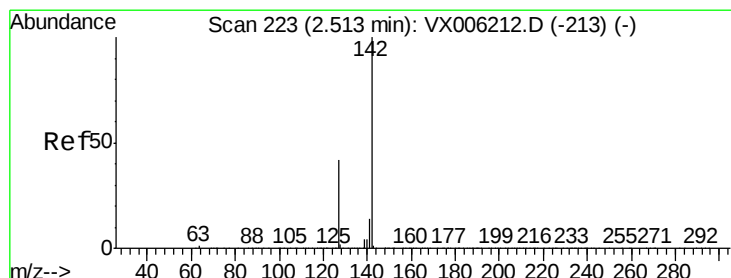
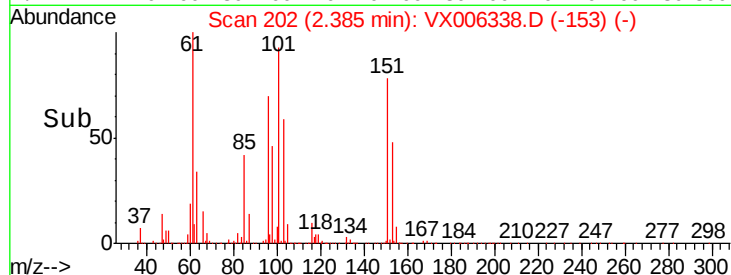
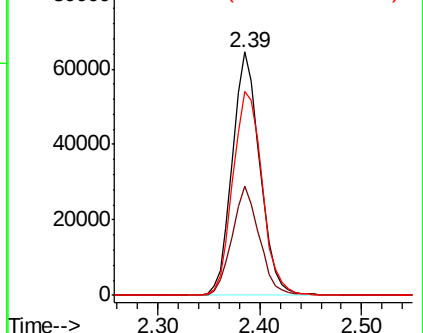
151 89.1 68.6 103.0



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: 16.239 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

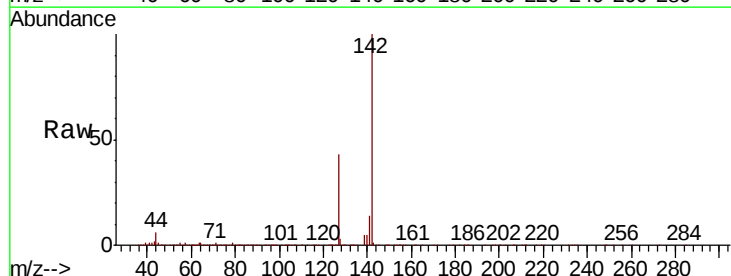
Tgt Ion:142 Resp: 152950

Ion Ratio Lower Upper

142 100

127 42.8 34.8 52.2

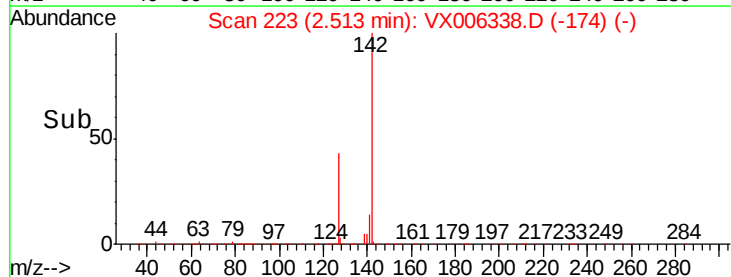
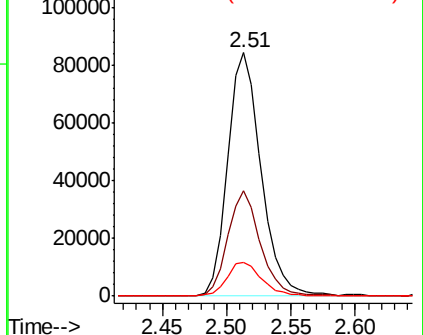
141 14.6 11.4 17.2

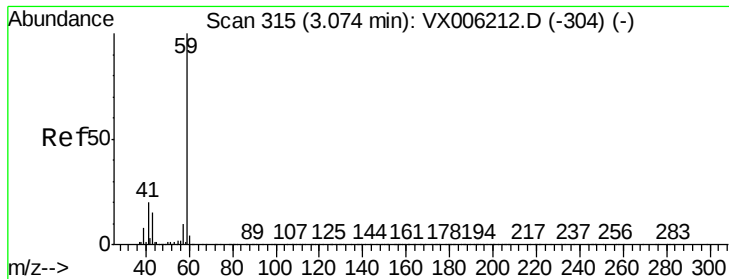


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



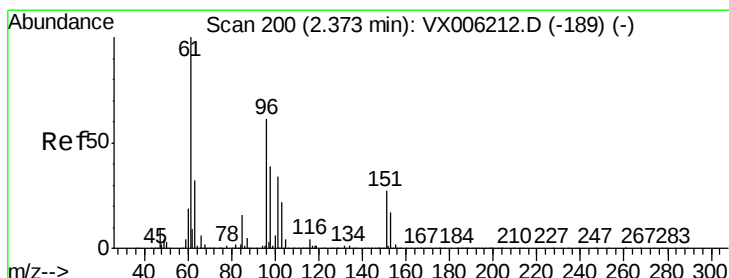
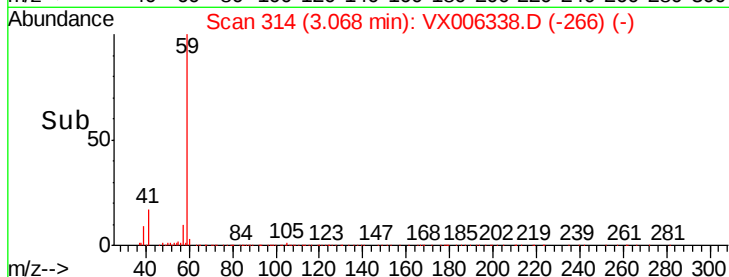
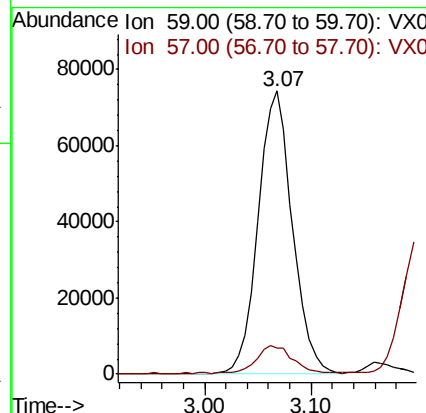
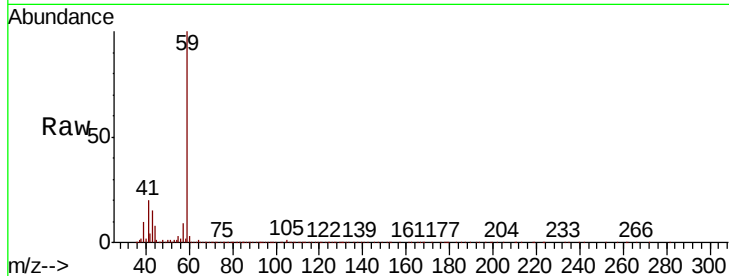


#11

Tert butyl alcohol
 Concen: 90.632 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX006338.D
 Acq: 07 Dec 2018 11:12

Instrument :
 MSVOA_X
 ClientSampled :
 VX1207WBS01

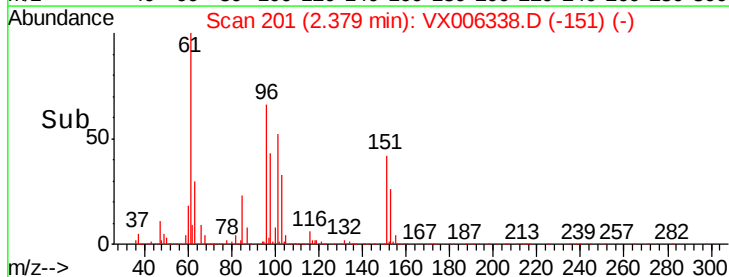
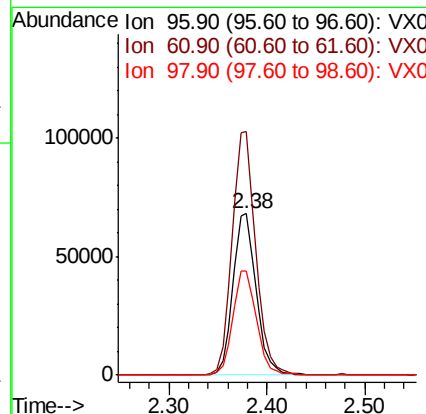
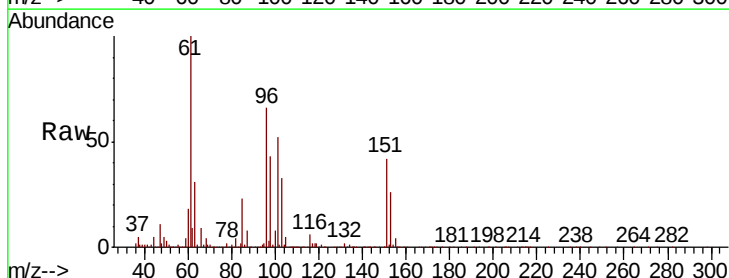
Tot Ion: 59 Resp: 167298
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.2

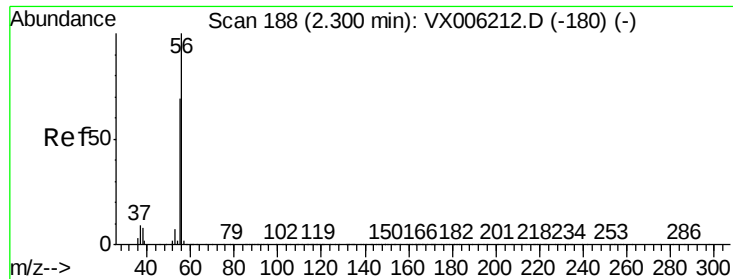


#12

1,1-Dichloroethene
 Concen: 18.729 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX006338.D
 Acq: 07 Dec 2018 11:12

Tgt Ion: 96 Resp: 112056
 Ion Ratio Lower Upper
 96 100
 61 150.8 131.7 197.5
 98 64.0 51.8 77.6





#13

Acrolein

Concen: 95.239 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

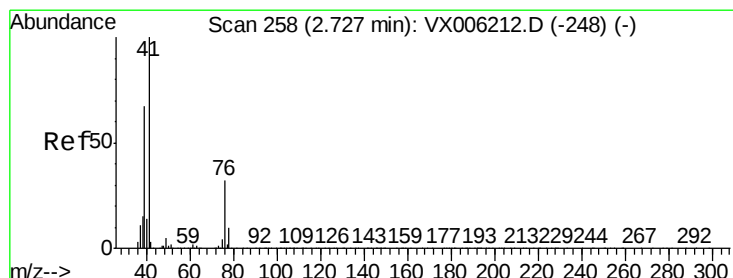
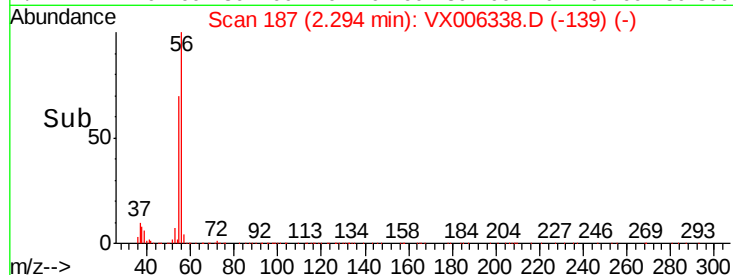
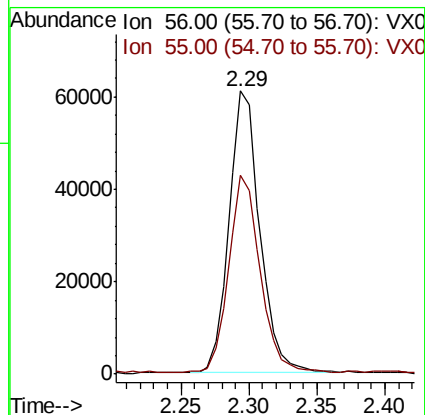
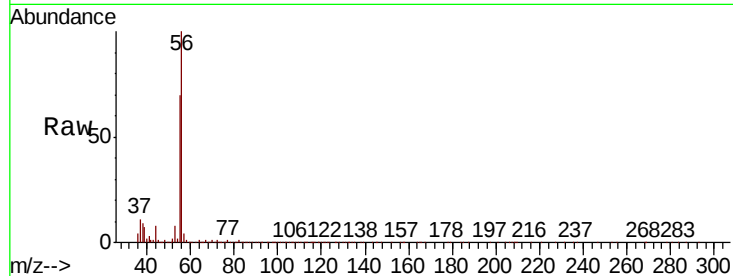
VX1207WBS01

Tot Ion: 56 Resp: 96087

Ion Ratio Lower Upper

56 100

55 71.3 57.8 86.6



#14

Allyl chloride

Concen: 17.521 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

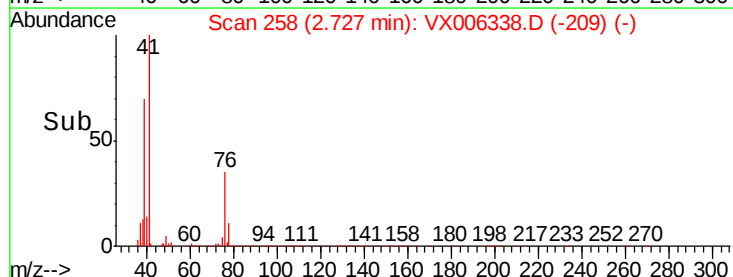
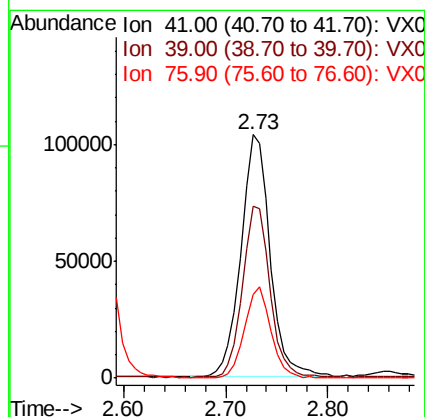
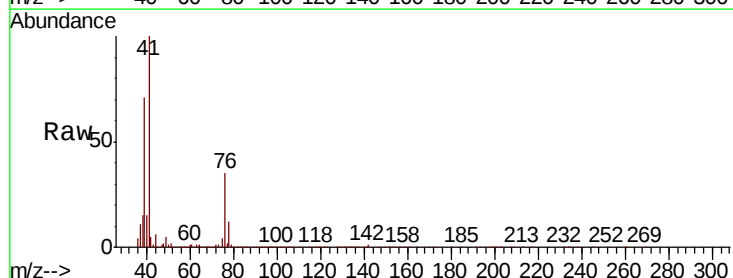
Tgt Ion: 41 Resp: 207070

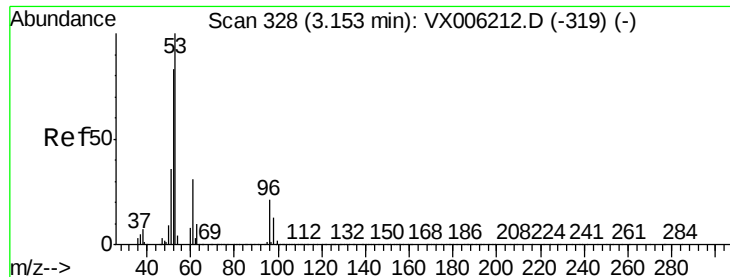
Ion Ratio Lower Upper

41 100

39 66.4 52.4 78.6

76 33.9 25.4 38.0





#15

Acrylonitrile

Concen: 92.784 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

VX1207WBS01

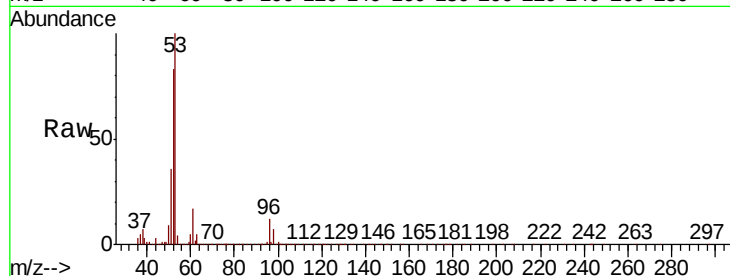
Tot Ion: 53 Resp: 357401

Ion Ratio Lower Upper

53 100

52 82.3 66.2 99.4

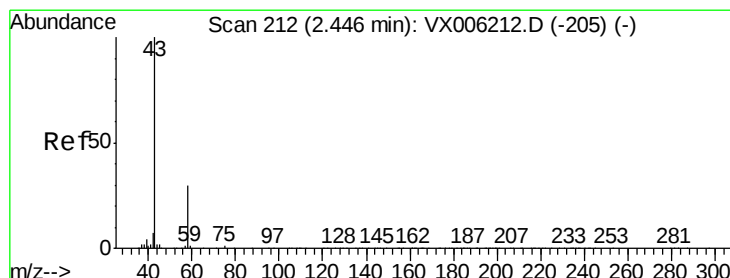
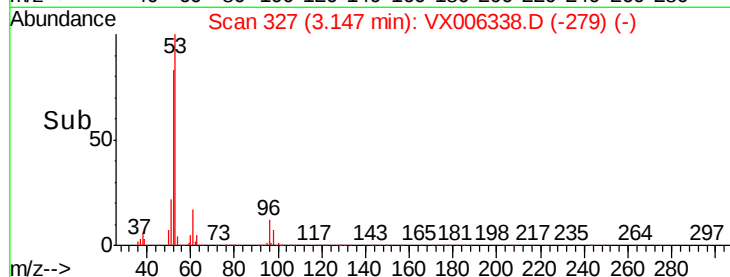
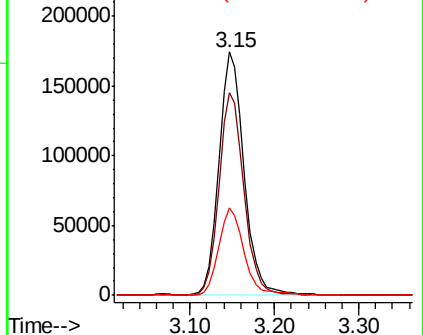
51 35.9 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 90.487 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006338.D

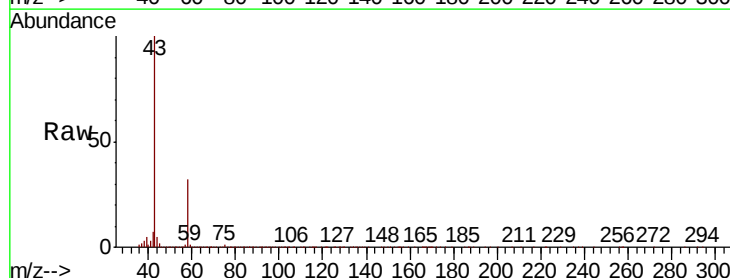
Acq: 07 Dec 2018 11:12

Tgt Ion: 43 Resp: 286628

Ion Ratio Lower Upper

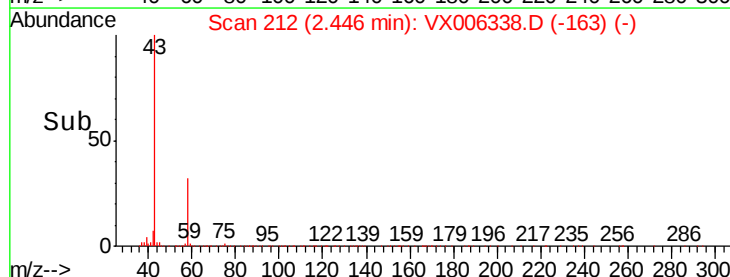
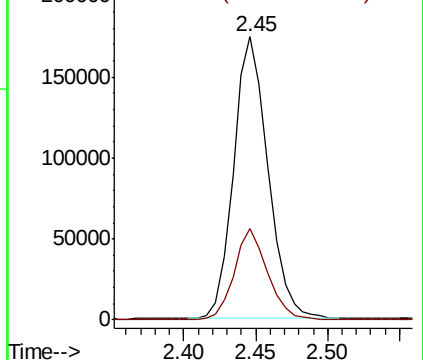
43 100

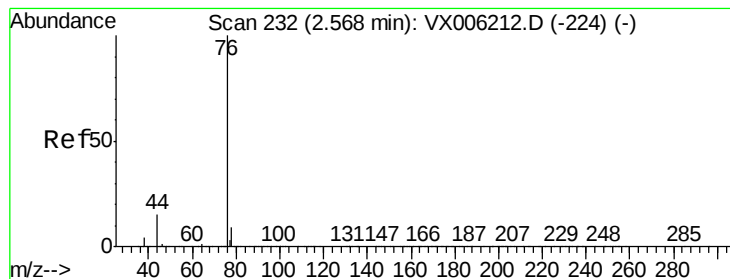
58 32.3 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 16.592 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

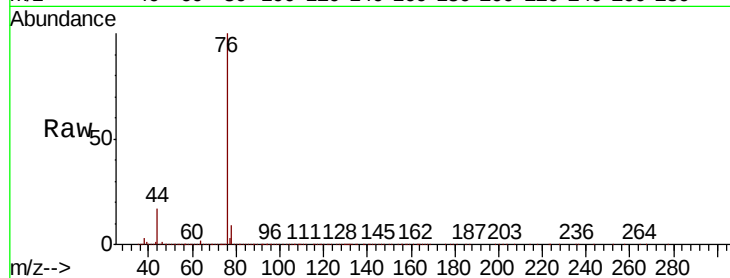
VX1207WBS01

Tot Ion: 76 Resp: 305882

Ion Ratio Lower Upper

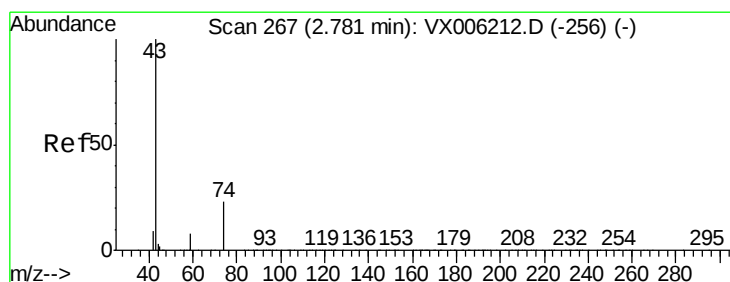
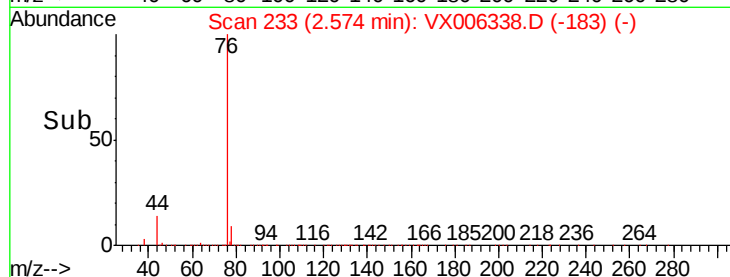
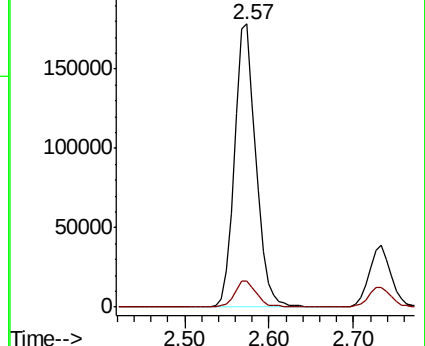
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.185 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006338.D

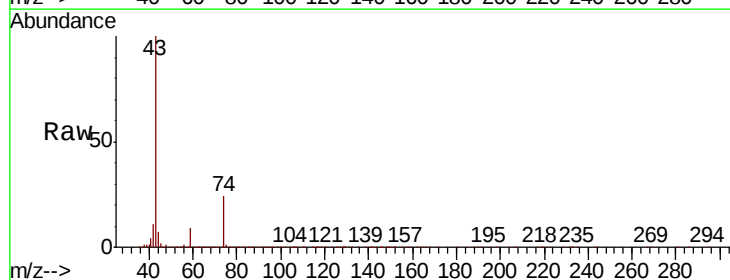
Acq: 07 Dec 2018 11:12

Tgt Ion: 43 Resp: 203229

Ion Ratio Lower Upper

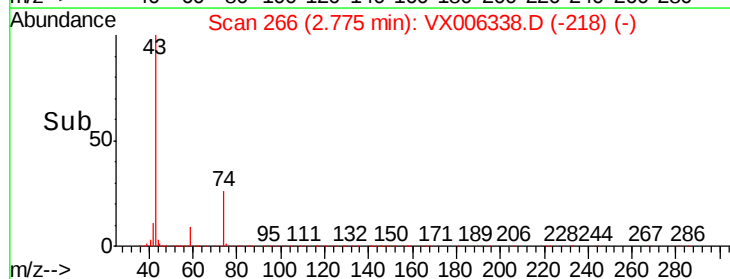
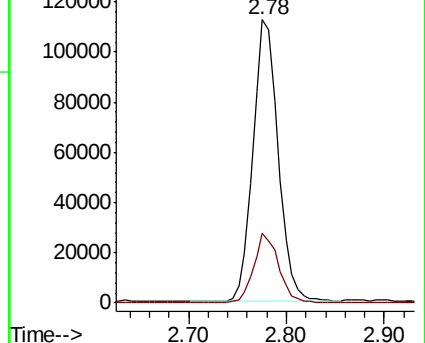
43 100

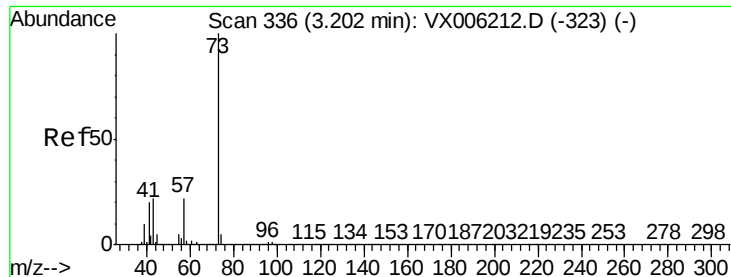
74 23.2 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

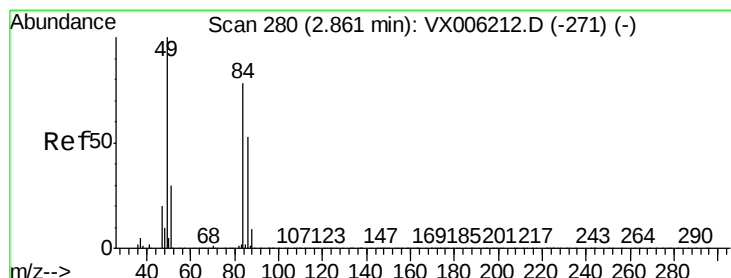
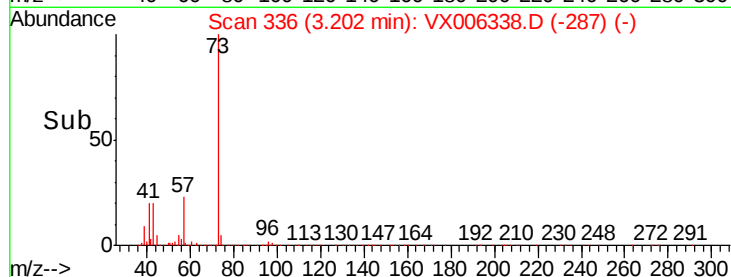
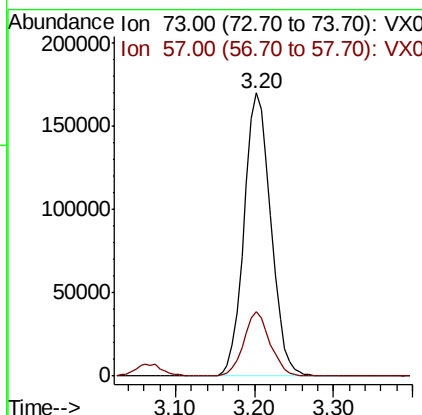
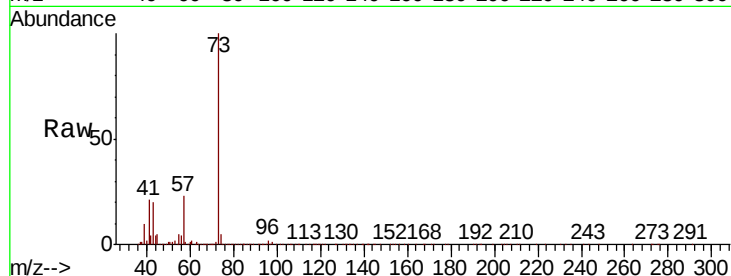




#19
Methvl tert-butvl Ether
Concen: 18.799 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

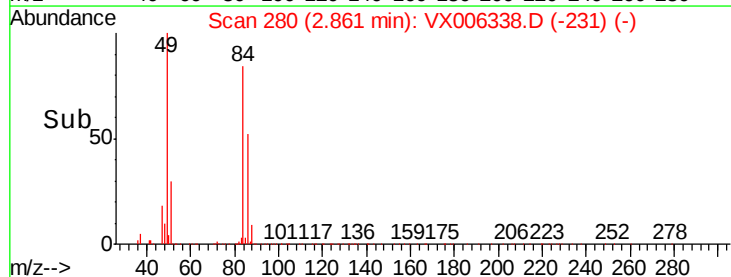
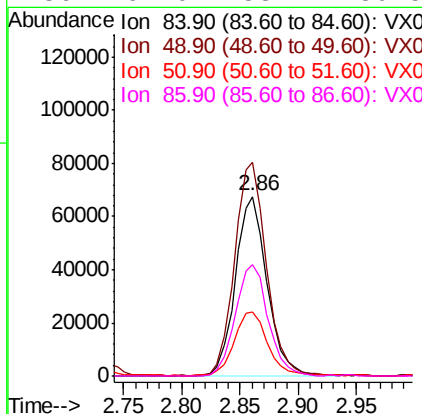
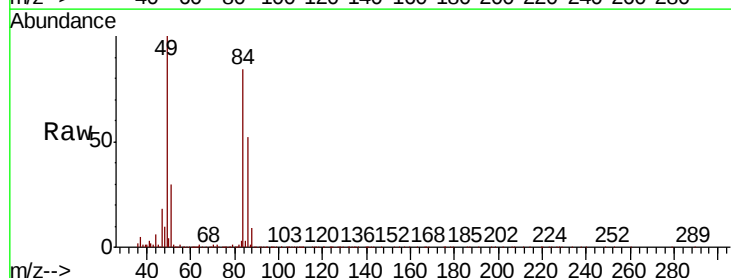
Instrument :
MSVOA_X
ClientSampleId :
VX1207WBS01

Tot Ion: 73 Resp: 401227
Ion Ratio Lower Upper
73 100
57 22.6 17.5 26.3



#20
Methylene Chloride
Concen: 18.882 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

Tgt Ion: 84 Resp: 127295
Ion Ratio Lower Upper
84 100
49 119.0 102.2 153.4
51 35.5 31.1 46.7
86 62.0 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 18.655 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

VX1207WBS01

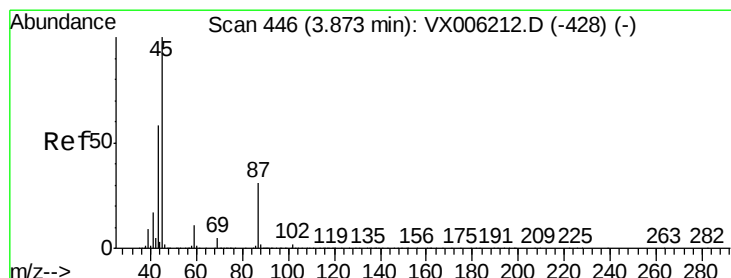
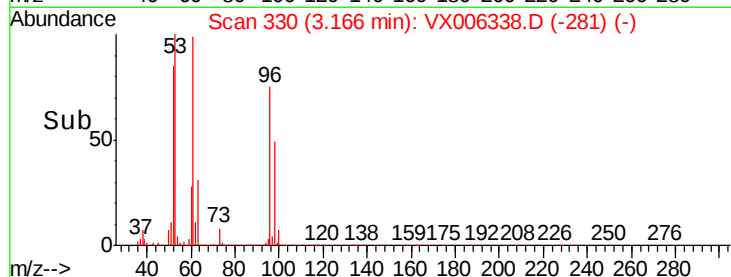
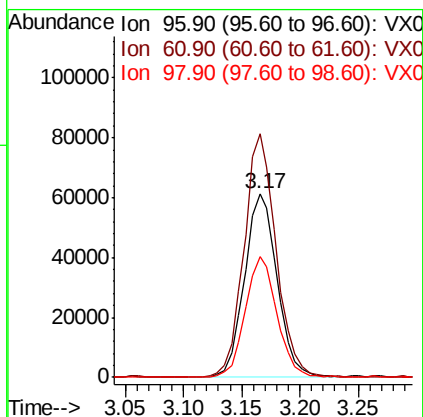
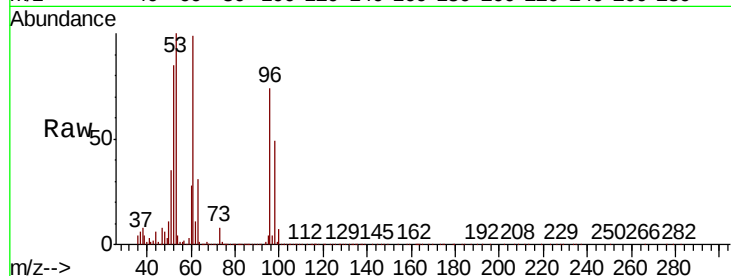
Tot Ion: 96 Resp: 118940

Ion Ratio Lower Upper

96 100

61 132.7 113.3 169.9

98 65.6 53.2 79.8



#22

Diisopropyl ether

Concen: 19.784 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Tgt Ion: 45 Resp: 365210

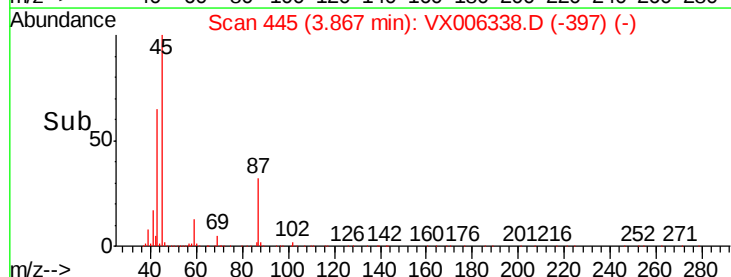
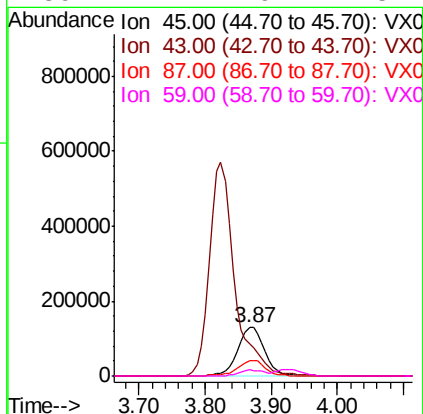
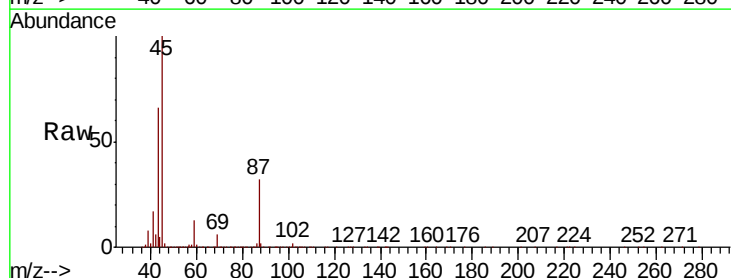
Ion Ratio Lower Upper

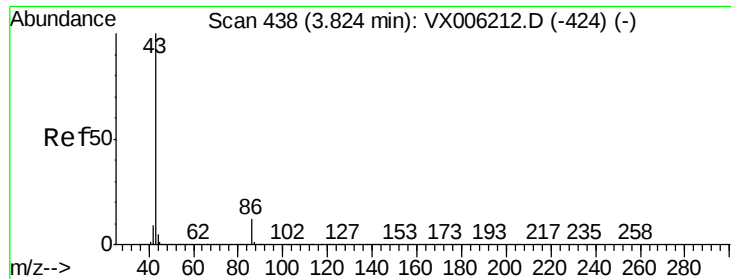
45 100

43 65.0 46.2 69.2

87 32.2 24.9 37.3

59 12.7 9.1 13.7





#23

Vinyl Acetate

Concen: 95.875 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

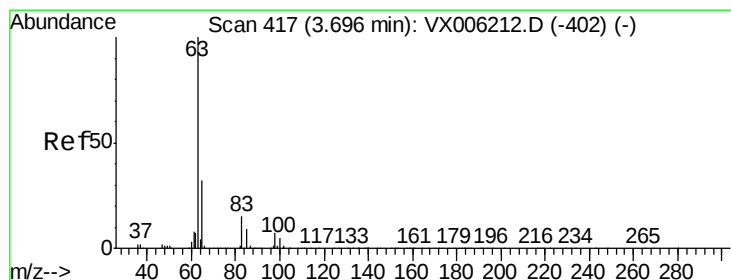
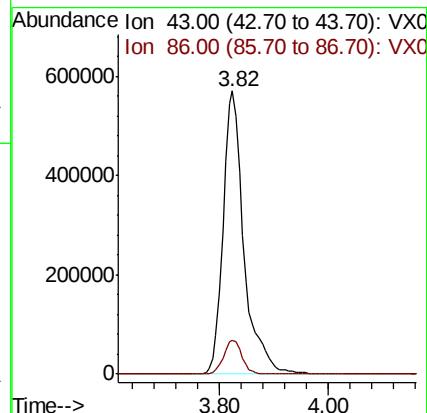
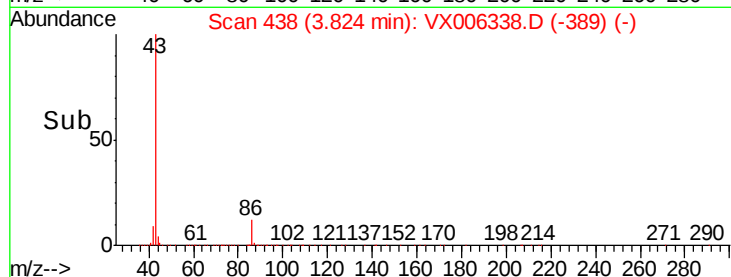
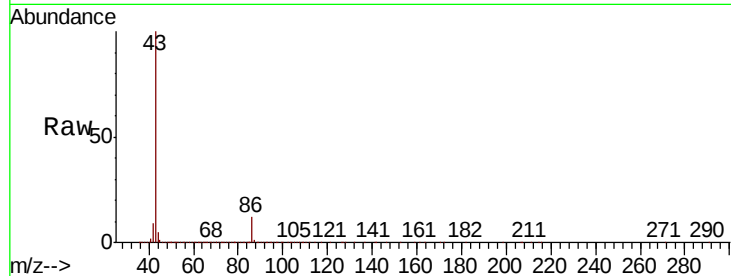
VX1207WBS01

Tot Ion: 43 Resp: 1509557

Ion Ratio Lower Upper

43 100

86 12.0 9.4 14.0



#24

1,1-Dichloroethane

Concen: 20.172 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

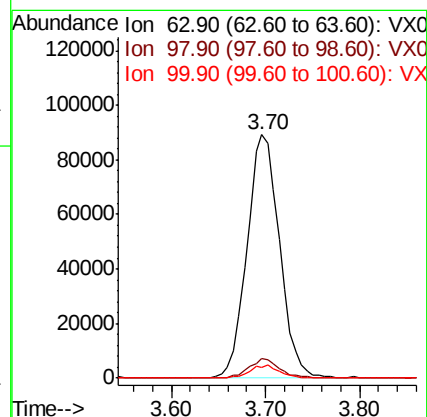
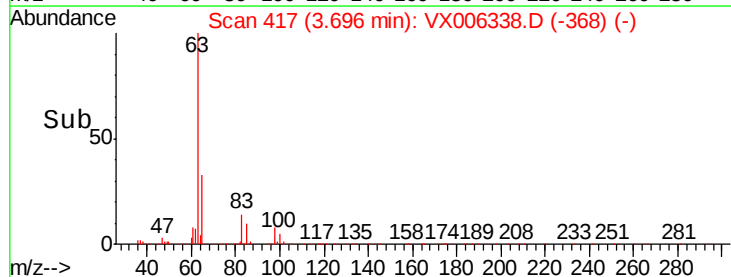
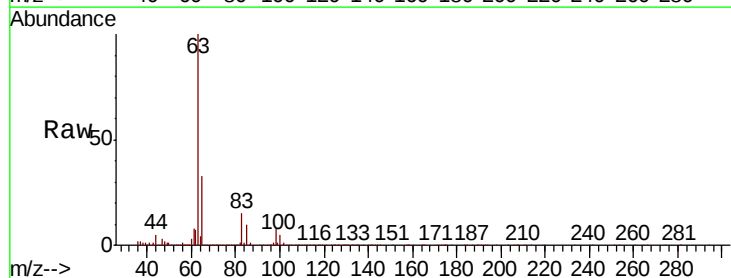
Tgt Ion: 63 Resp: 212848

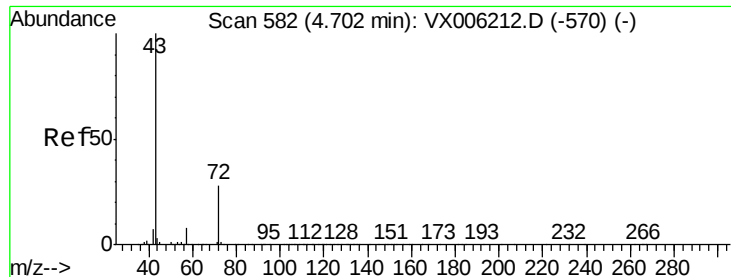
Ion Ratio Lower Upper

63 100

98 7.8 3.8 11.4

100 4.5 2.5 7.4





#25

2-Butanone

Concen: 95.662 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

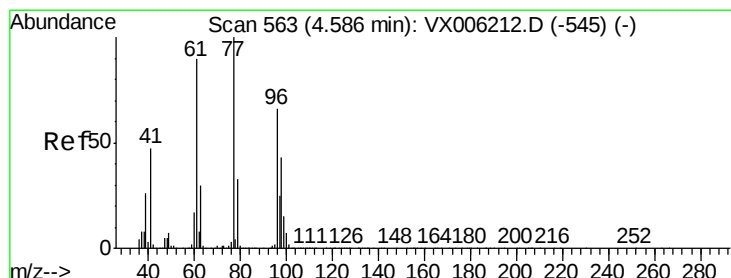
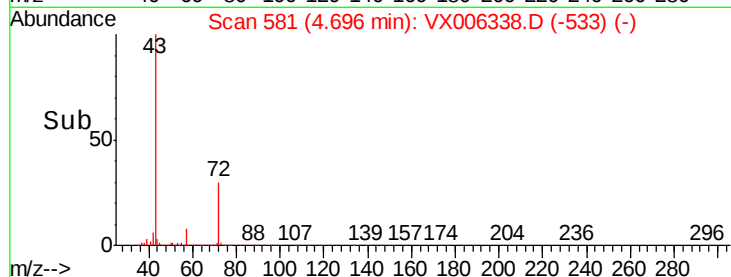
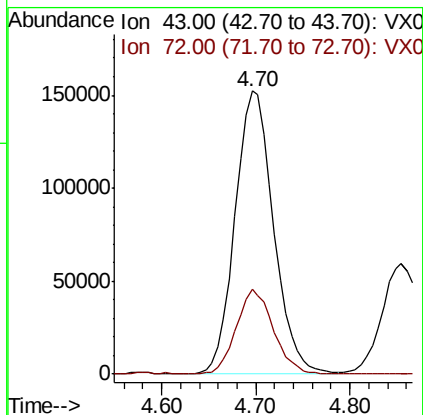
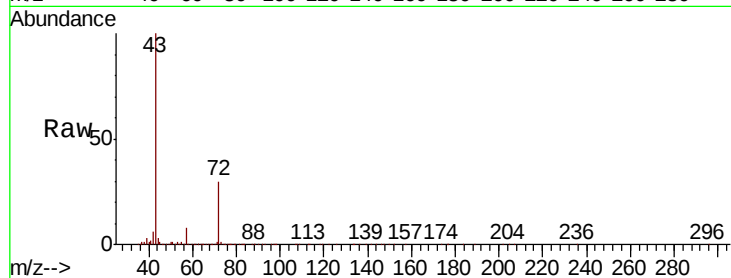
VX1207WBS01

Tot Ion: 43 Resp: 432366

Ion Ratio Lower Upper

43 100

72 30.2 22.6 33.8



#26

2,2-Dichloropropane

Concen: 19.702 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006338.D

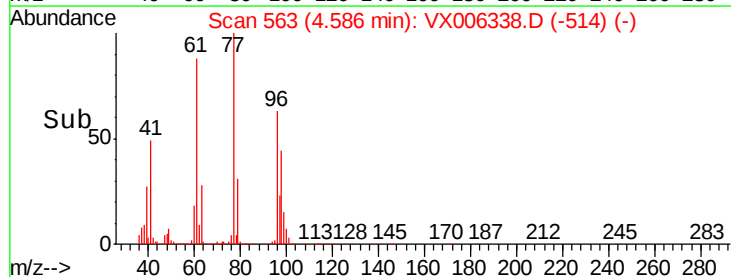
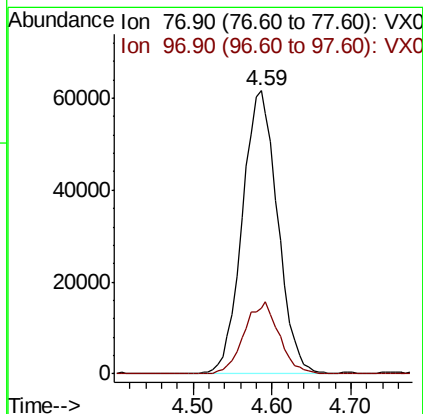
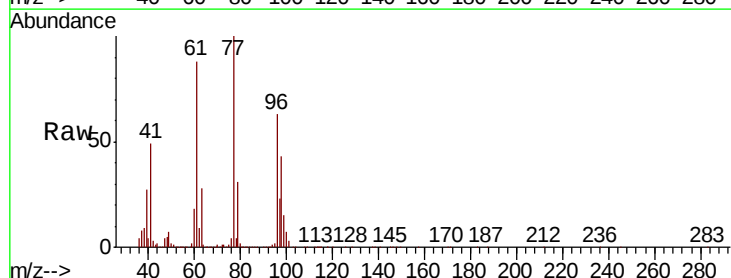
Acq: 07 Dec 2018 11:12

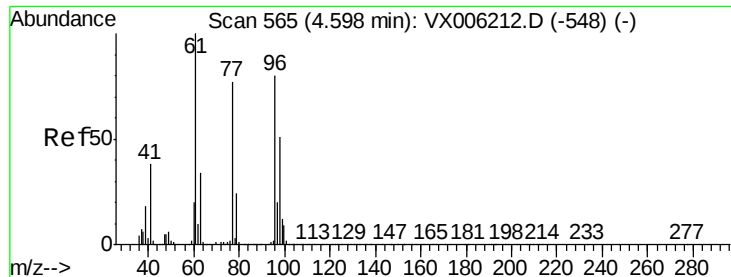
Tgt Ion: 77 Resp: 191857

Ion Ratio Lower Upper

77 100

97 25.2 12.3 36.8



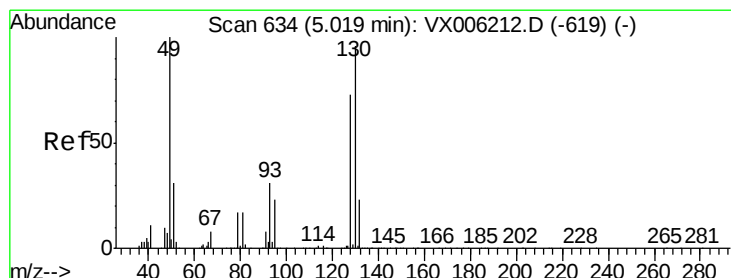
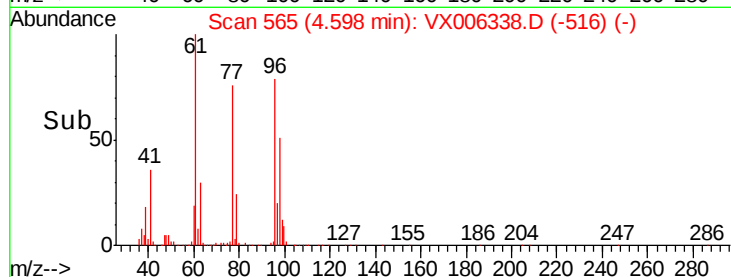
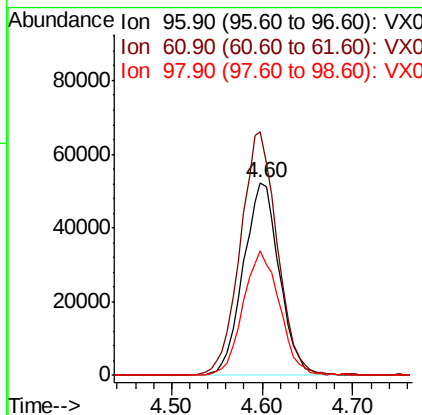
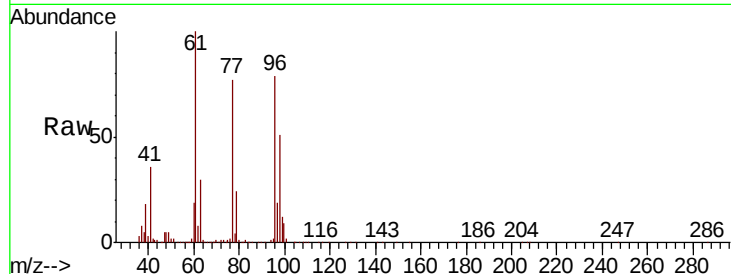


#27

cis-1,2-Dichloroethene
Concen: 20.181 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

Instrument :
MSVOA_X
ClientSampleId :
VX1207WBS01

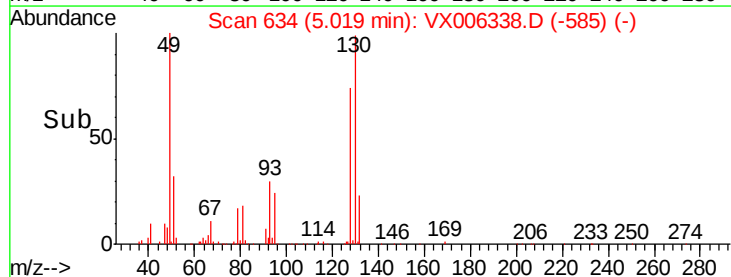
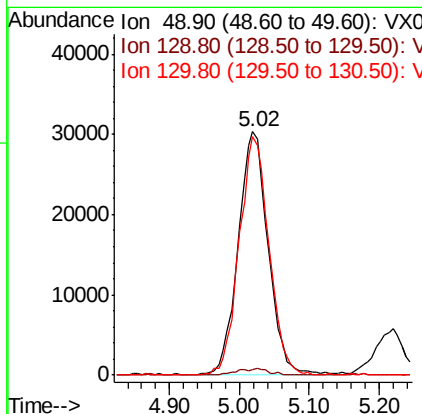
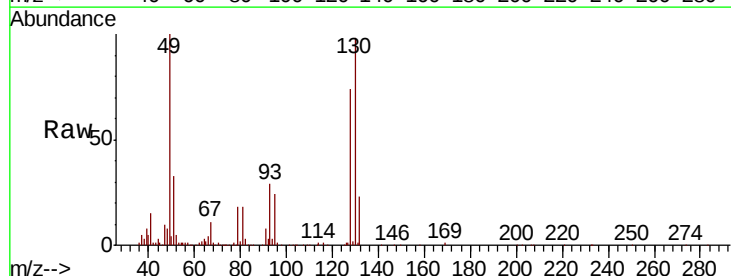
Tot Ion: 96 Resp: 143524
Ion Ratio Lower Upper
96 100
61 129.2 0.0 265.0
98 65.3 0.0 130.2

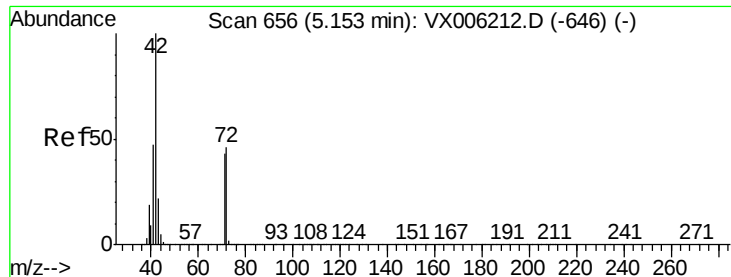


#28

Bromochloromethane
Concen: 19.441 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

Tgt Ion: 49 Resp: 89600
Ion Ratio Lower Upper
49 100
129 1.2 0.0 5.0
130 98.3 78.3 117.5





#29

Tetrahydrofuran

Concen: 92.868 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

VX1207WBS01

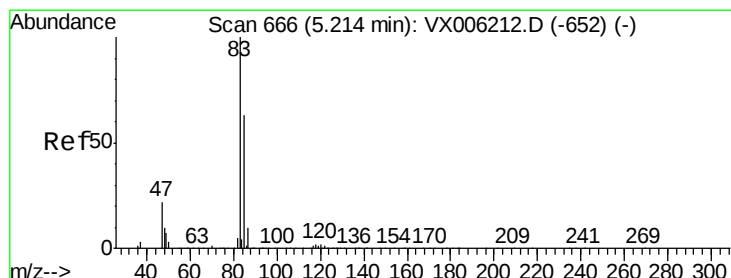
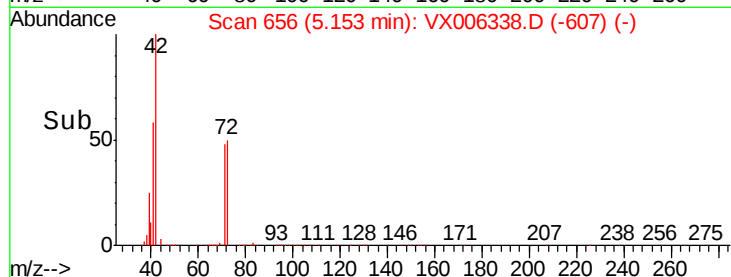
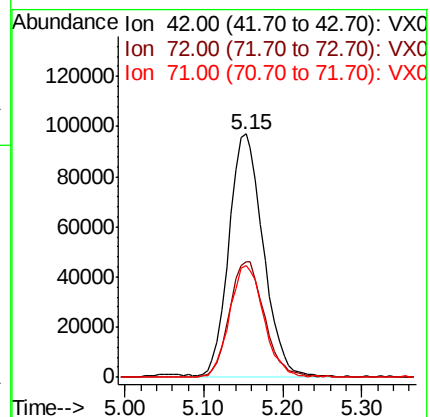
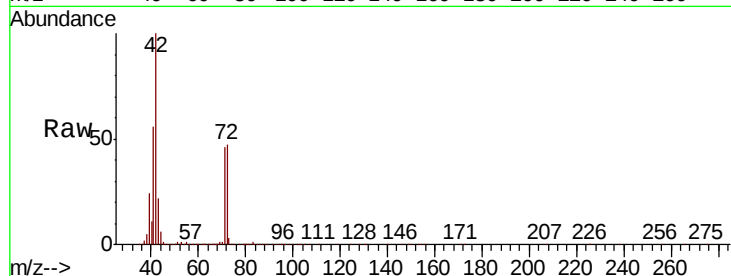
Tot Ion: 42 Resp: 291718

Ion Ratio Lower Upper

42 100

72 48.9 37.8 56.8

71 46.1 35.2 52.8



#30

Chloroform

Concen: 20.195 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX006338.D

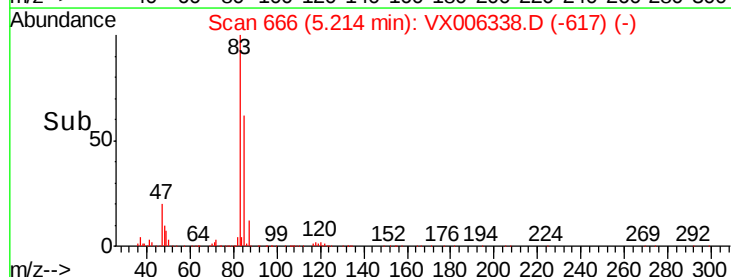
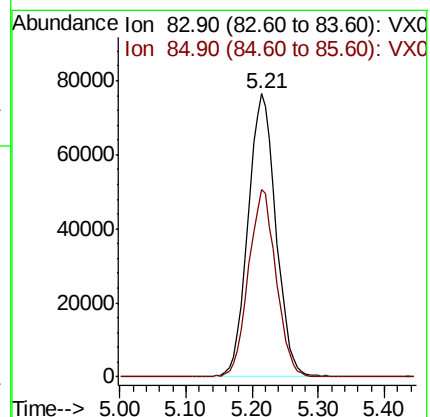
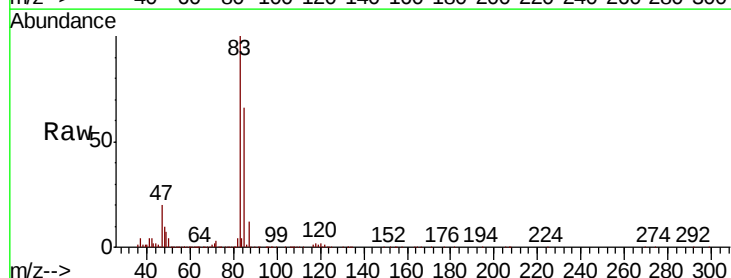
Acq: 07 Dec 2018 11:12

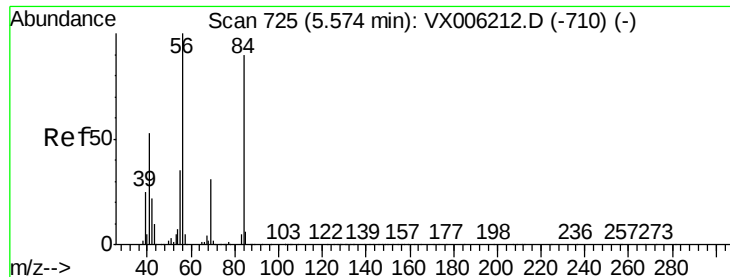
Tgt Ion: 83 Resp: 223931

Ion Ratio Lower Upper

83 100

85 66.4 50.3 75.5

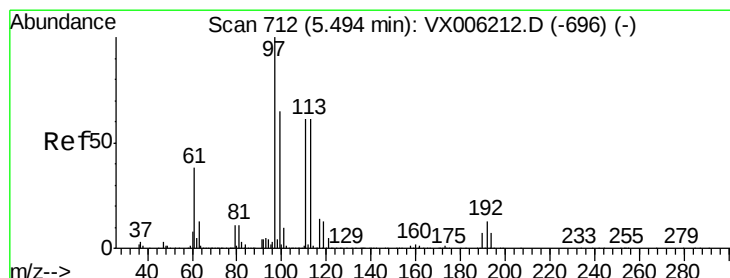
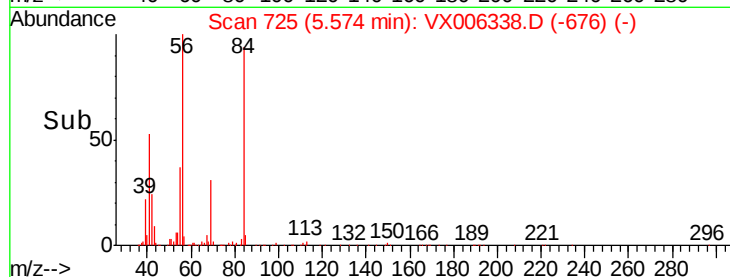
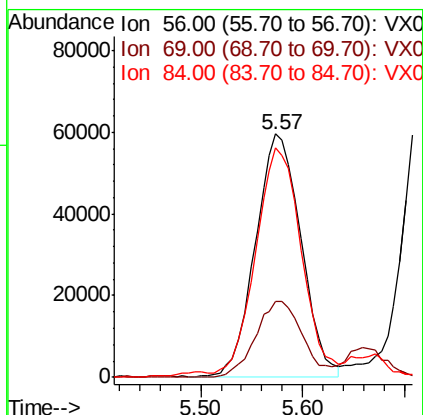
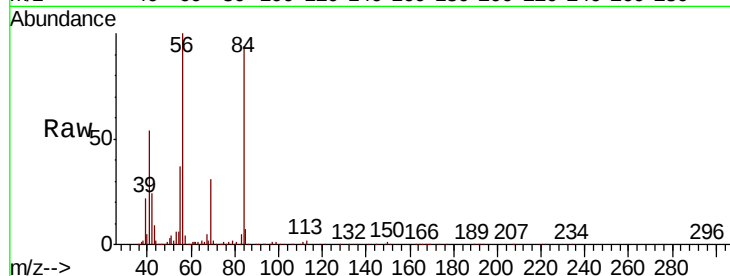




#31
Cyclohexane
Concen: 18.797 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

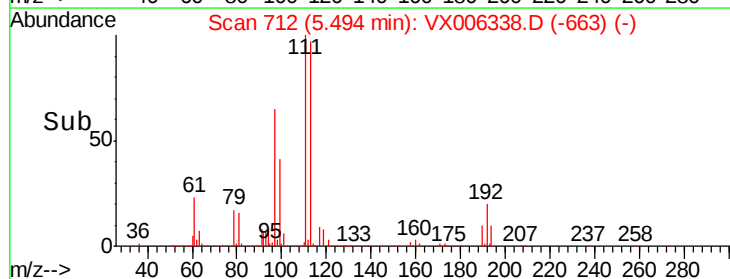
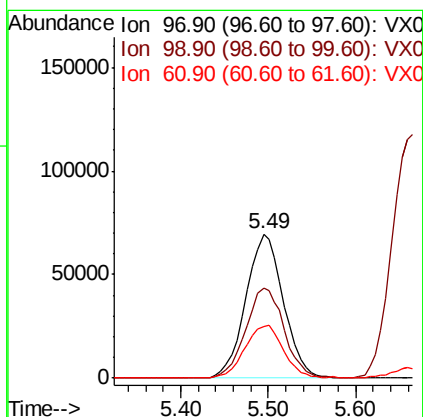
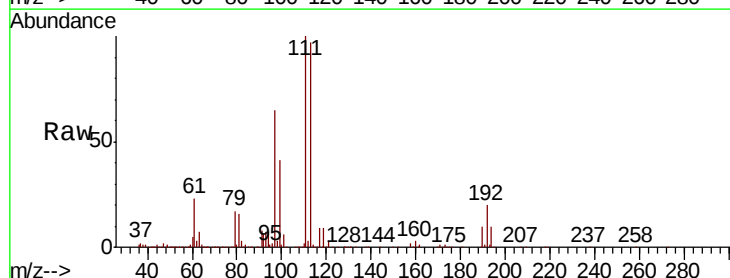
Instrument :
MSVOA_X
ClientSampleId :
VX1207WBS01

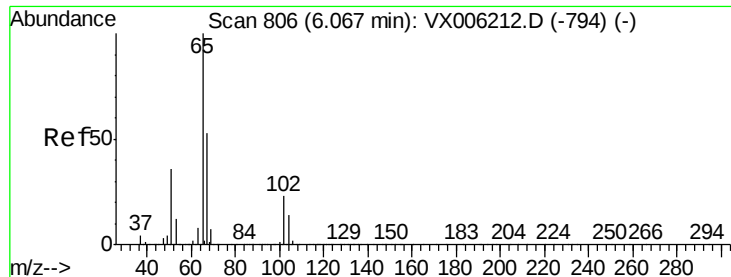
Tot Ion: 56 Resp: 183292
Ion Ratio Lower Upper
56 100
69 30.9 24.5 36.7
84 92.7 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 19.732 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

Tgt Ion: 97 Resp: 208171
Ion Ratio Lower Upper
97 100
99 63.7 51.6 77.4
61 37.7 30.6 46.0





#33

1,2-Dichloroethane-d4

Concen: 50.017 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

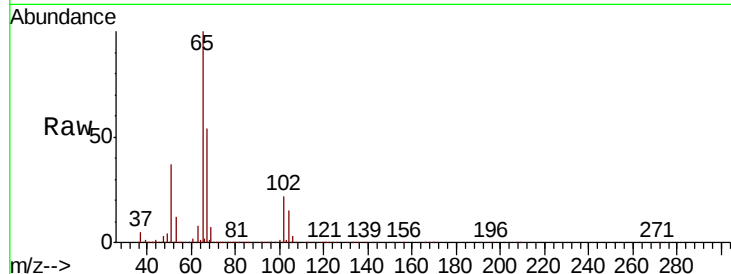
VX1207WBS01

Tot Ion: 65 Resp: 337600

Ion Ratio Lower Upper

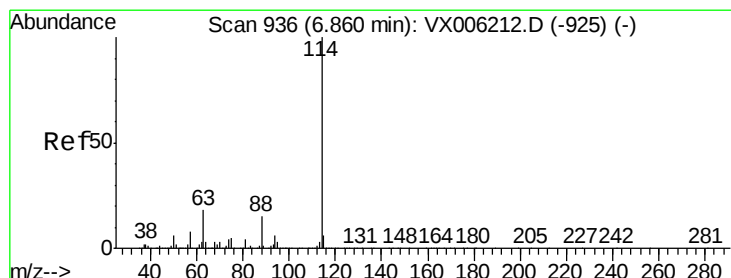
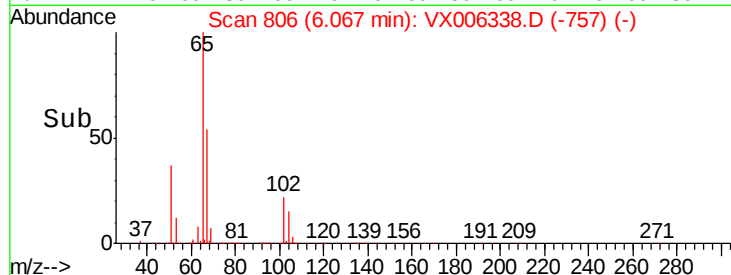
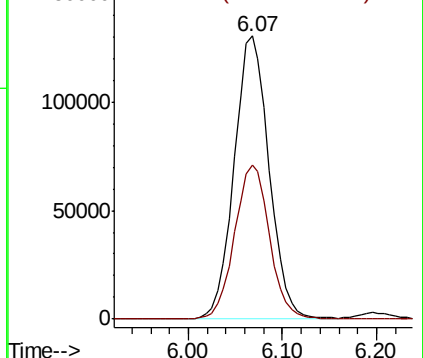
65 100

67 54.6 0.0 107.2



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: VX006338.D

Acq: 07 Dec 2018 11:12

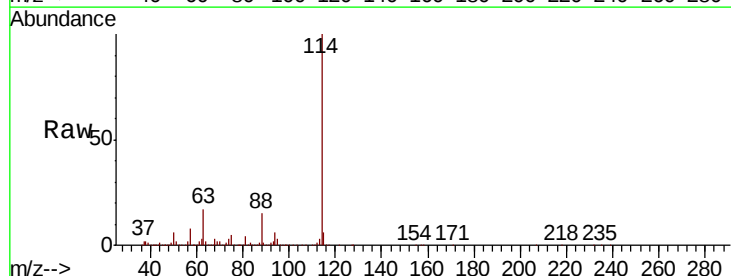
Tgt Ion: 114 Resp: 1008618

Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.6

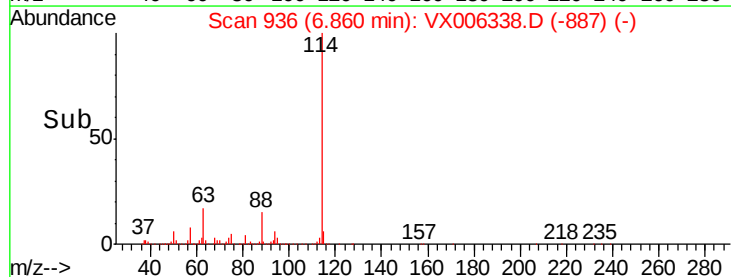
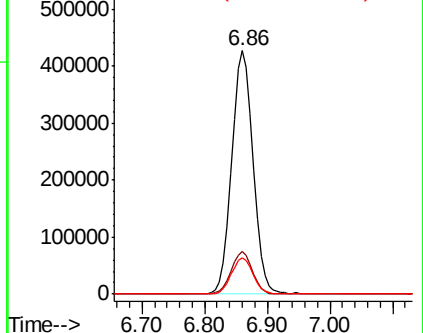
88 14.9 0.0 29.0

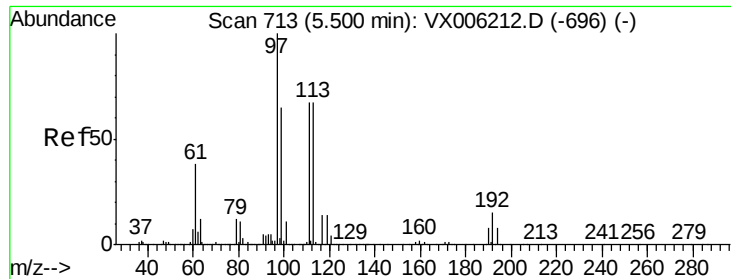


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.038 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

VX1207WBS01

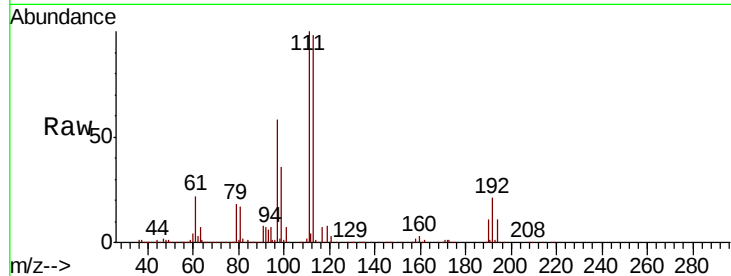
Tot Ion:113 Resp: 326766

Ion Ratio Lower Upper

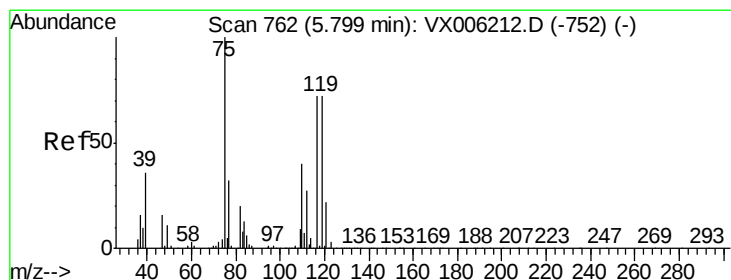
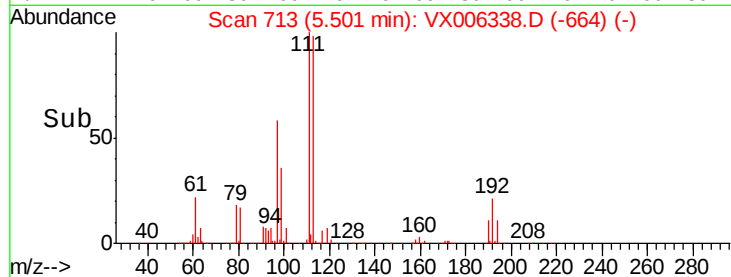
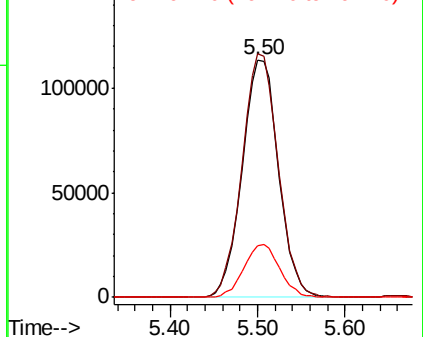
113 100

111 102.2 81.1 121.7

192 22.0 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.687 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

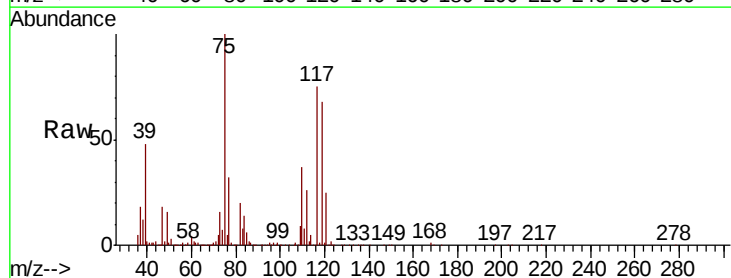
Tgt Ion: 75 Resp: 158718

Ion Ratio Lower Upper

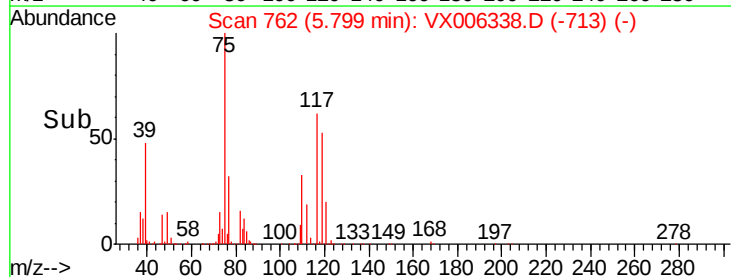
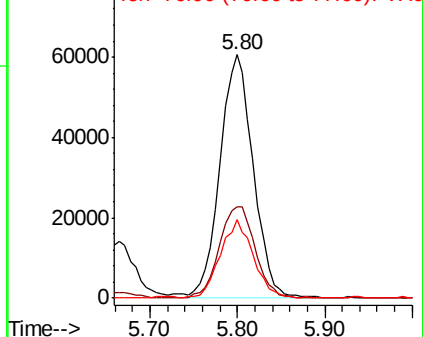
75 100

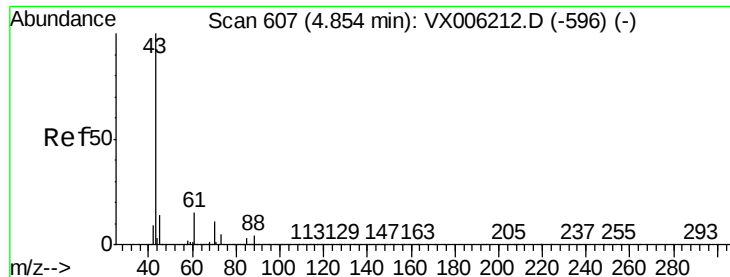
110 40.6 20.4 61.3

77 31.6 24.9 37.3



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

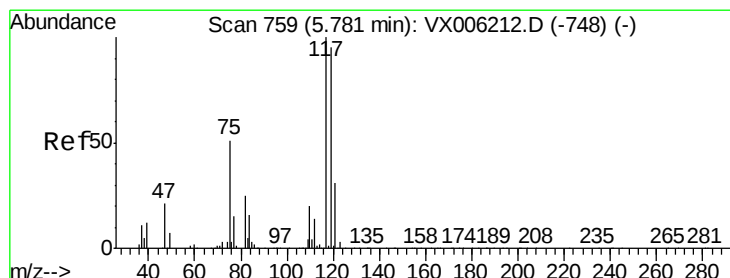
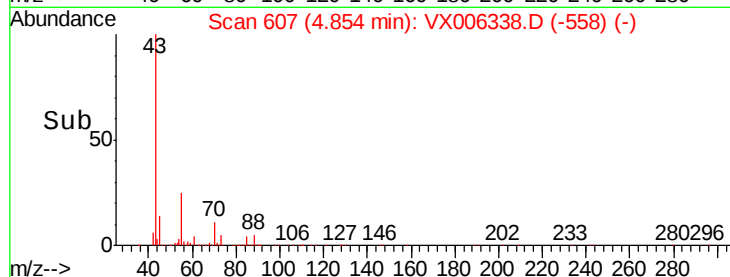
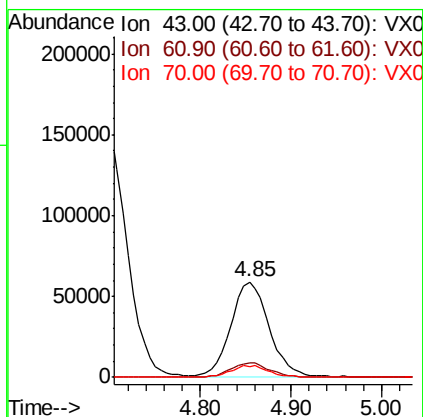
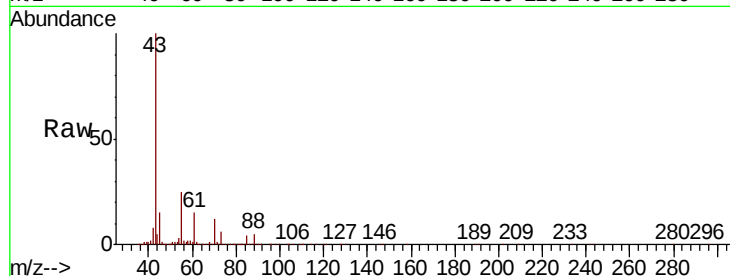




#37
Ethyl Acetate
Concen: 18.039 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

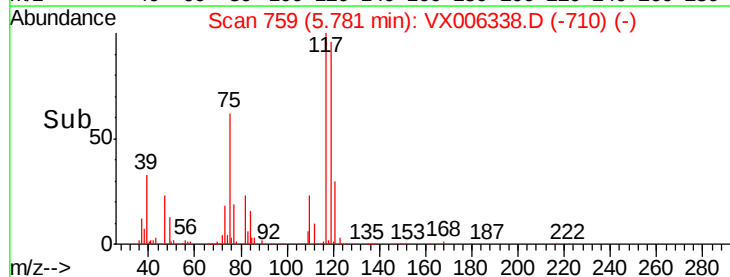
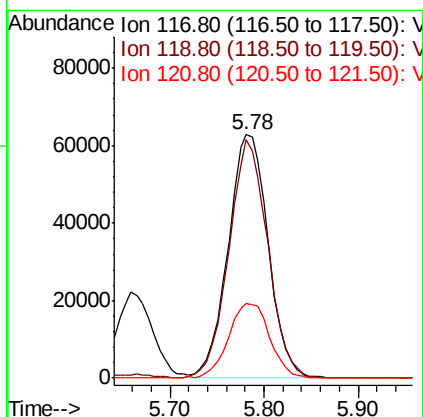
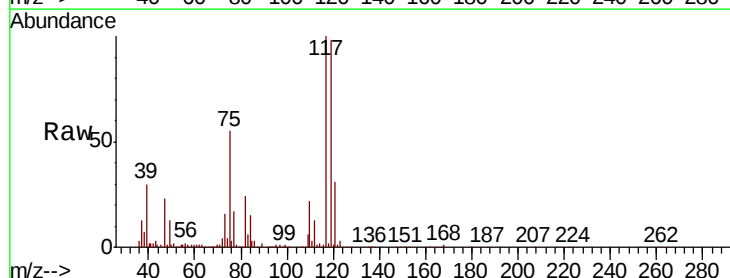
Instrument :
MSVOA_X
ClientSampleId :
VX1207WBS01

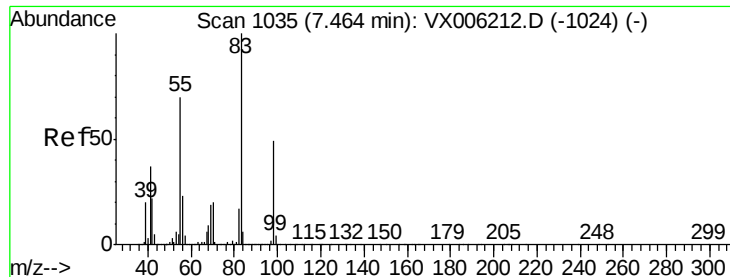
Tot Ion: 43 Resp: 171585
Ion Ratio Lower Upper
43 100
61 14.8 11.5 17.3
70 12.7 9.0 13.6



#38
Carbon Tetrachloride
Concen: 18.552 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

Tgt Ion: 117 Resp: 185370
Ion Ratio Lower Upper
117 100
119 98.0 75.8 113.8
121 30.4 24.6 37.0

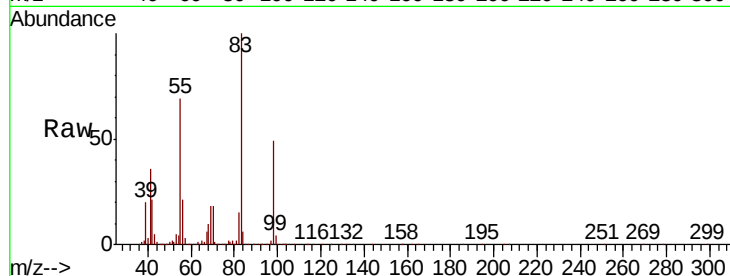




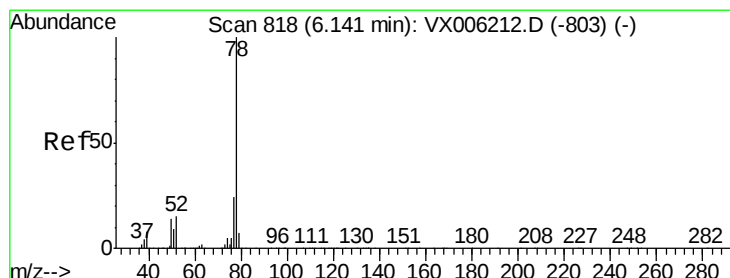
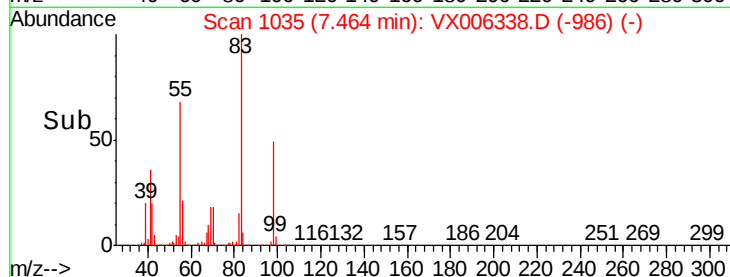
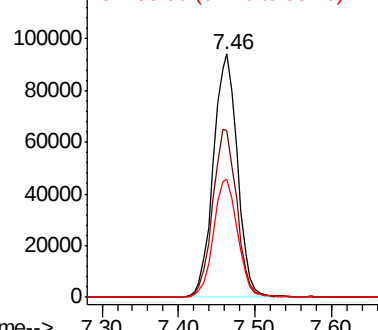
#39
Methvlcvclohexane
Concen: 18.593 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

Instrument :
MSVOA_X
ClientSampleId :
VX1207WBS01

Tot Ion	83	Resp	204990
Ion Ratio	Lower	Upper	
83	100		
55	68.5	56.4	84.6
98	48.6	39.0	58.6

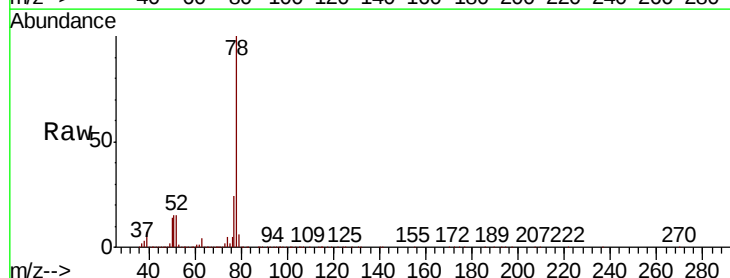


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

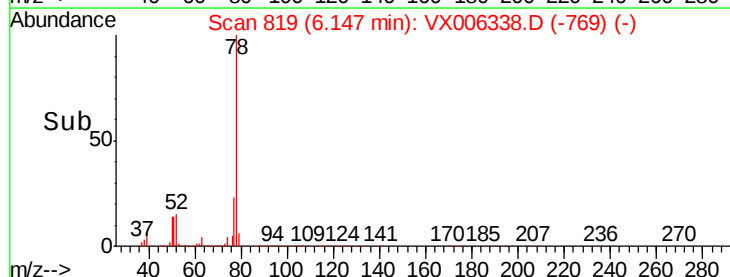
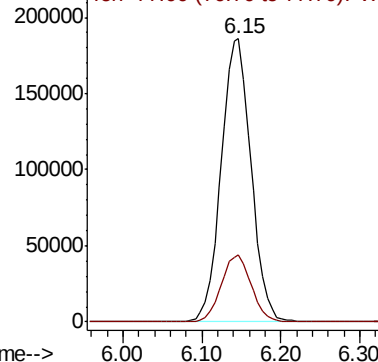


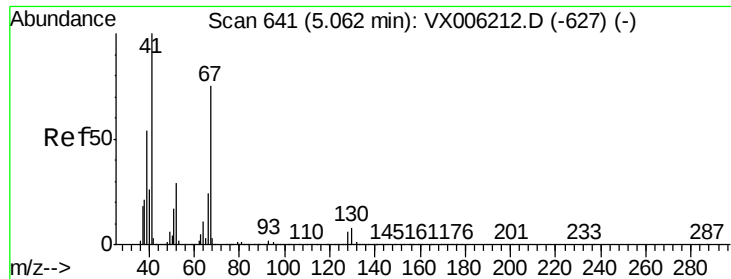
#40
Benzene
Concen: 19.227 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

Tgt Ion	78	Resp	489105
Ion Ratio	Lower	Upper	
78	100		
77	23.7	19.2	28.8



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

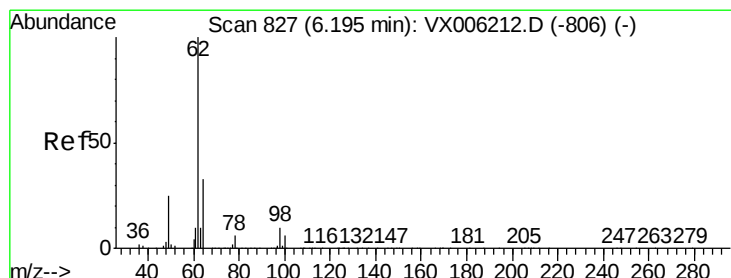
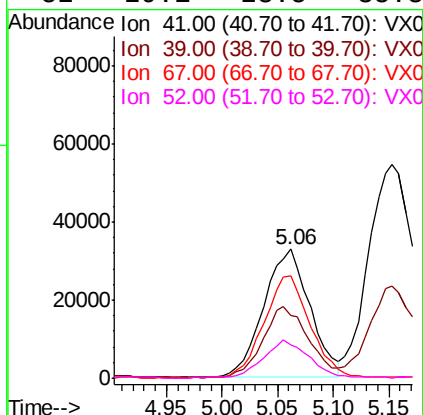
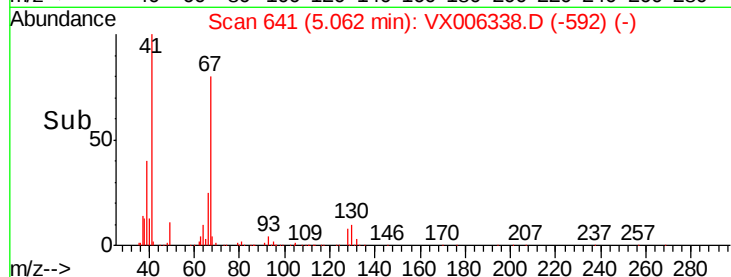
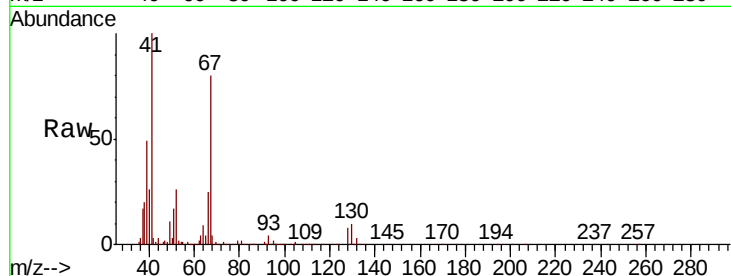




#41
Methacrylonitrile
Concen: 18.068 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

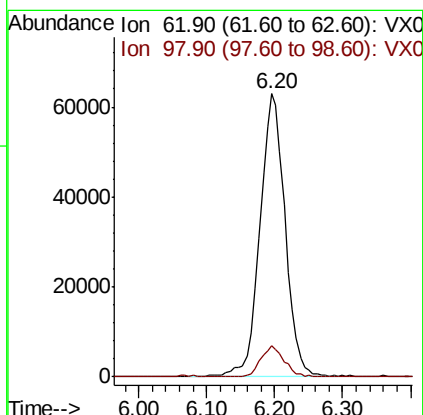
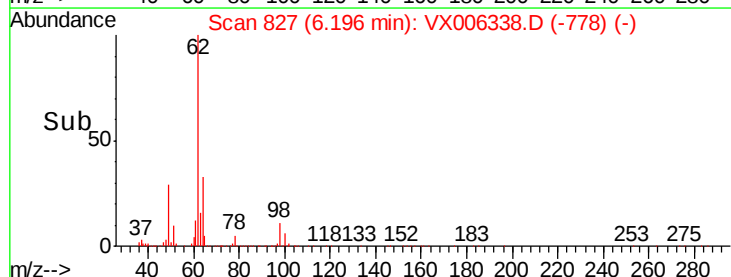
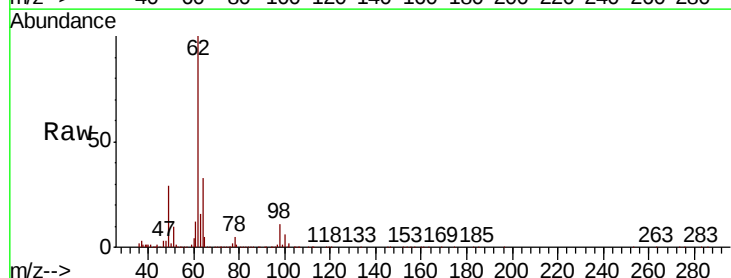
Instrument :
MSVOA_X
ClientSampleId :
VX1207WBS01

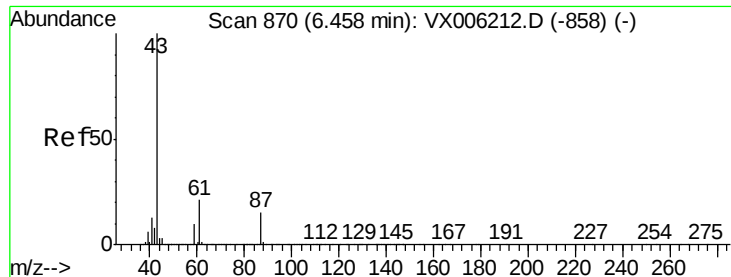
Tot Ion:	41	Resp:	94565
Ion	Ratio	Lower	Upper
41	100		
39	54.8	44.0	66.0
67	79.7	61.4	92.0
52	29.1	23.5	35.3



#42
1,2-Dichloroethane
Concen: 19.589 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

Tgt Ion:	62	Resp:	163096
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.2



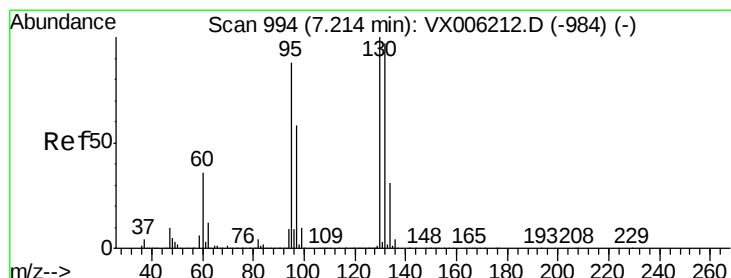
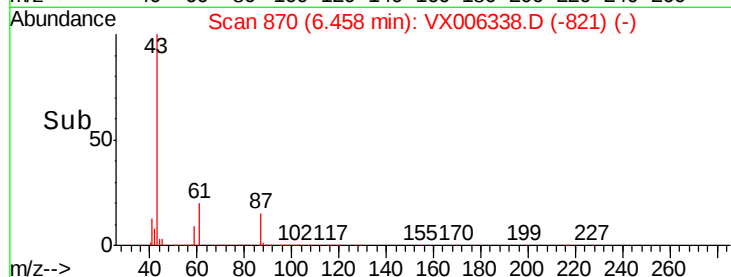
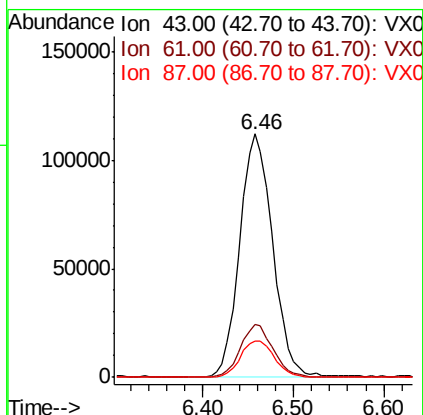
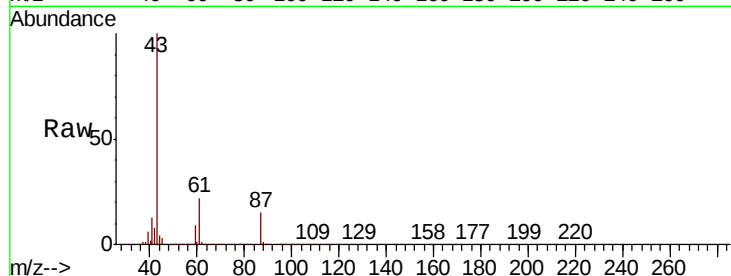


#43

Isopropyl Acetate
 Concen: 17.676 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX006338.D
 Acq: 07 Dec 2018 11:12

Instrument :
 MSVOA_X
 ClientSampled :
 VX1207WBS01

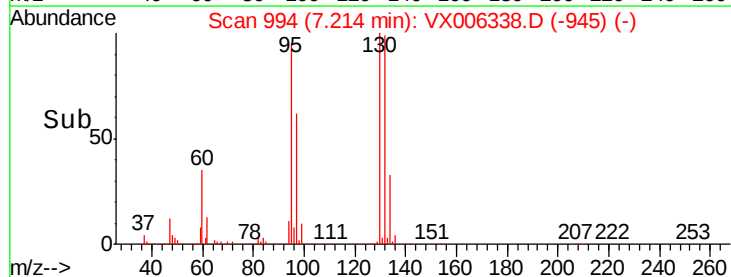
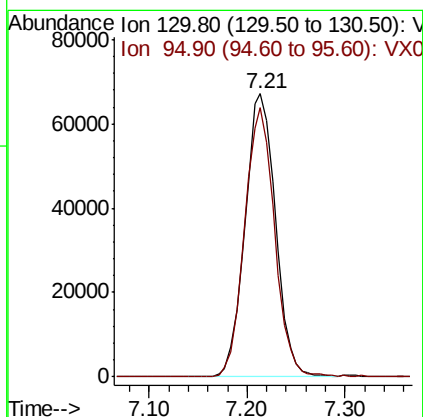
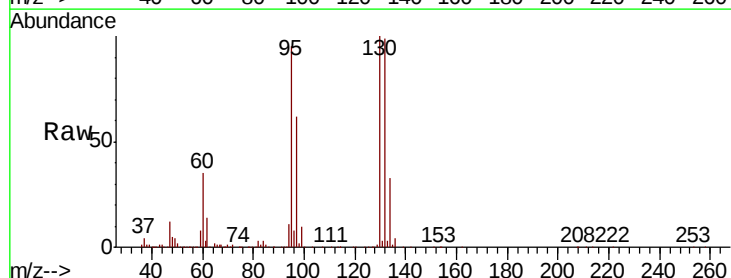
Tot Ion	43	Resp	280322
Ion Ratio	Lower	Upper	
43	100		
61	21.5	16.8	25.2
87	15.6	11.9	17.9



#44

Trichloroethene
 Concen: 18.823 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006338.D
 Acq: 07 Dec 2018 11:12

Tgt Ion	130	Resp	145059
Ion Ratio	Lower	Upper	
130	100		
95	95.1	0.0	175.8





#45

1,2-Dichloropropane

Concen: 19.018 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

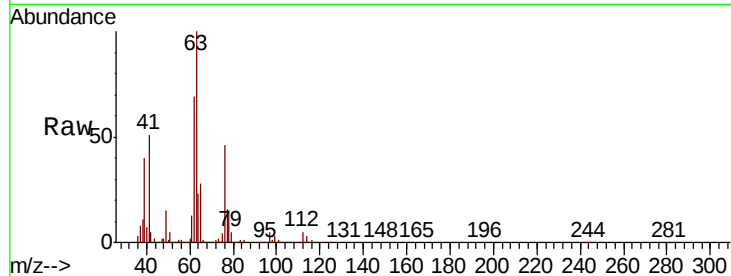
VX1207WBS01

Tot Ion: 63 Resp: 122957

Ion Ratio Lower Upper

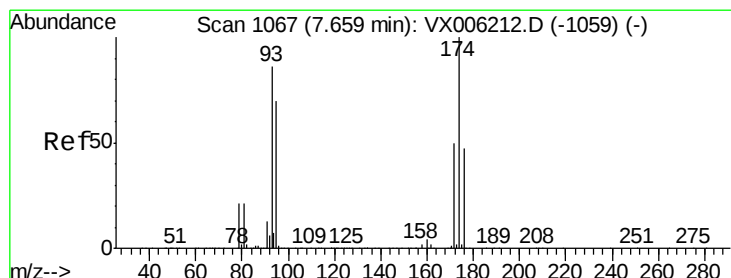
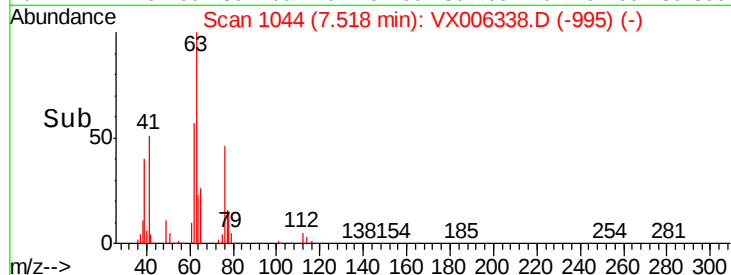
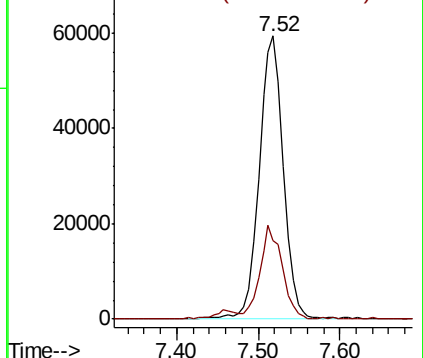
63 100

65 27.2 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.078 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

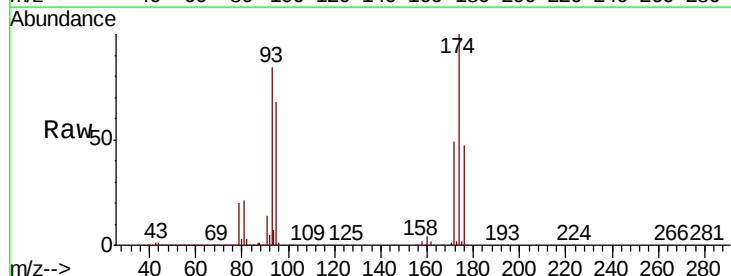
Tgt Ion: 93 Resp: 89085

Ion Ratio Lower Upper

93 100

95 84.2 66.2 99.4

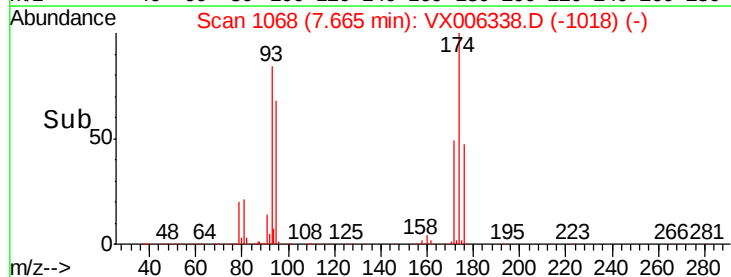
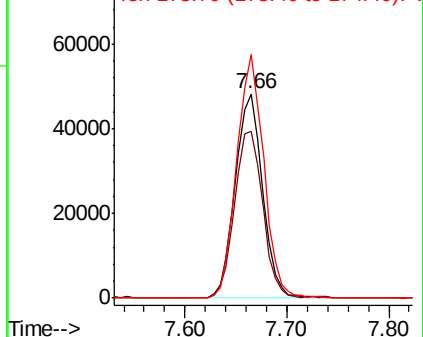
174 118.6 97.2 145.8

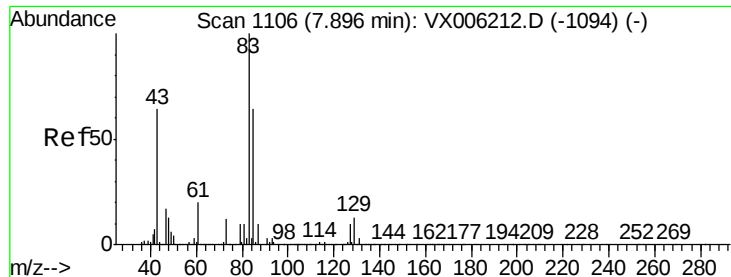


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.847 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

VX1207WBS01

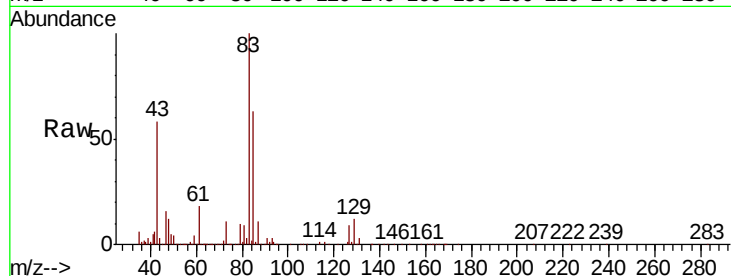
Tot Ion: 83 Resp: 170428

Ion Ratio Lower Upper

83 100

85 62.8 51.4 77.0

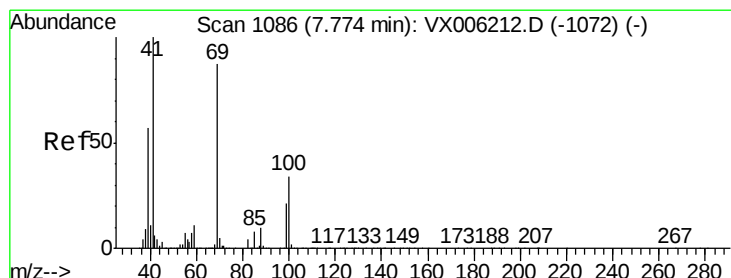
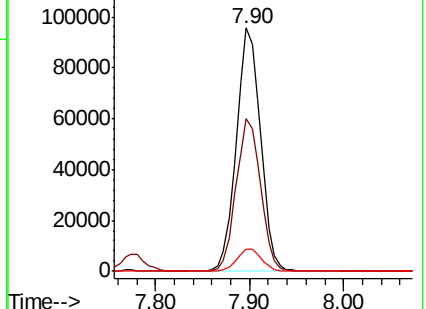
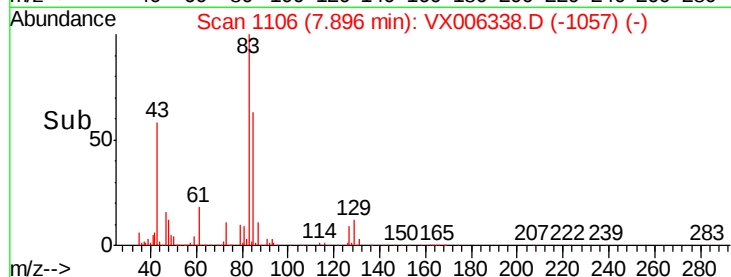
127 9.0 7.9 11.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.697 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

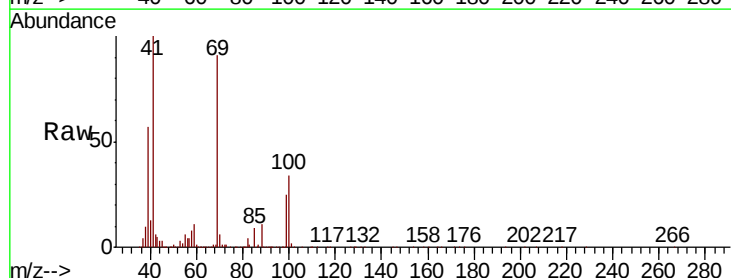
Tgt Ion: 41 Resp: 136534

Ion Ratio Lower Upper

41 100

69 91.7 70.3 105.5

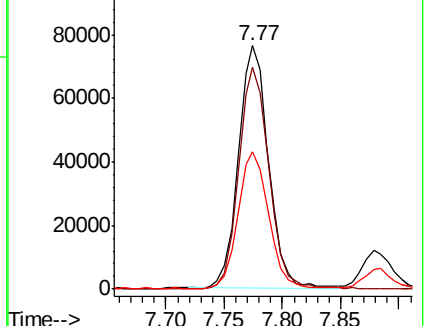
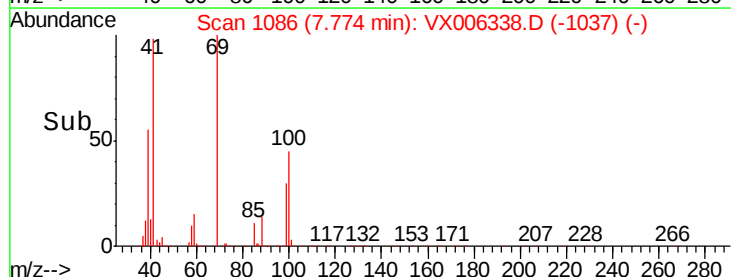
39 57.5 45.3 67.9

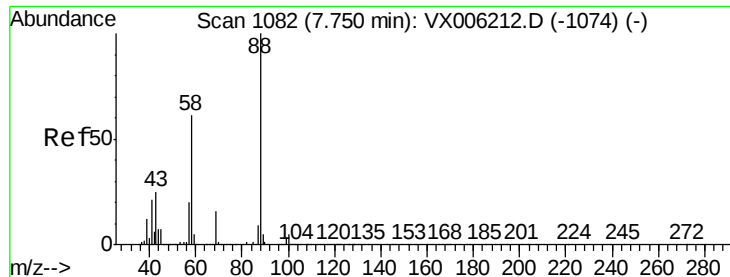


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 393.441 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

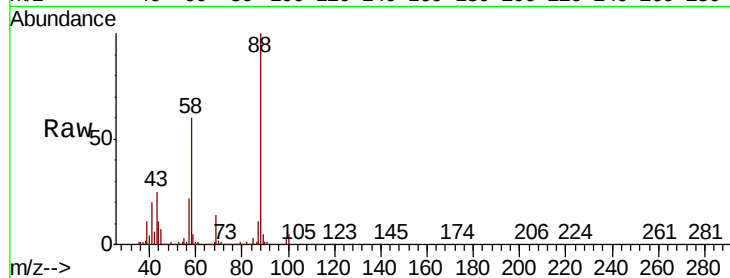
MSVOA_X

ClientSampleId :

VX1207WBS01

Tot Ion: 88 Resp: 74813

Ion	Ratio	Lower	Upper
88	100		
43	27.1	23.2	34.8
58	62.2	51.4	77.0

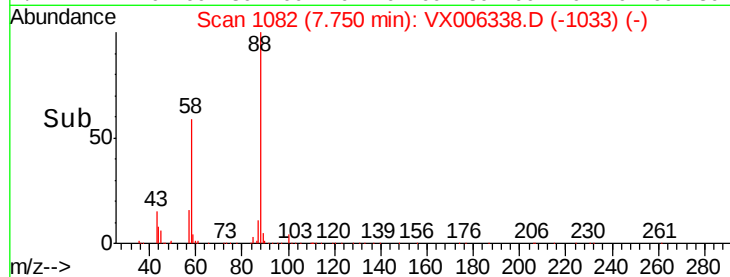


Abundance

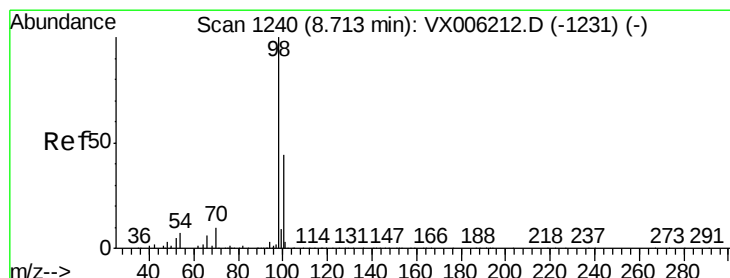
Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 48.815 ug/l

RT: 8.71 min Scan# 1240

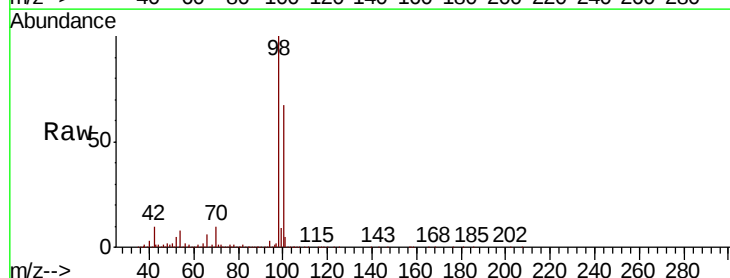
Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Tgt Ion: 98 Resp: 1159532

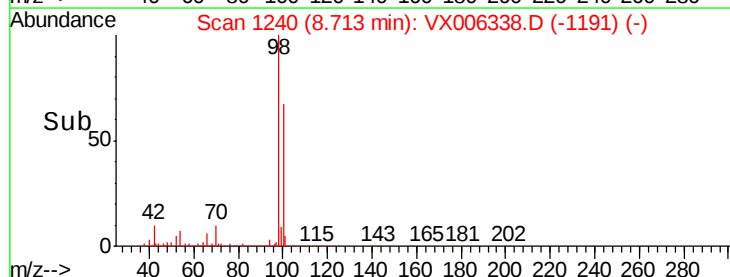
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.2



Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->



#51

4-Methyl-2-Pentanone

Concen: 93.767 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

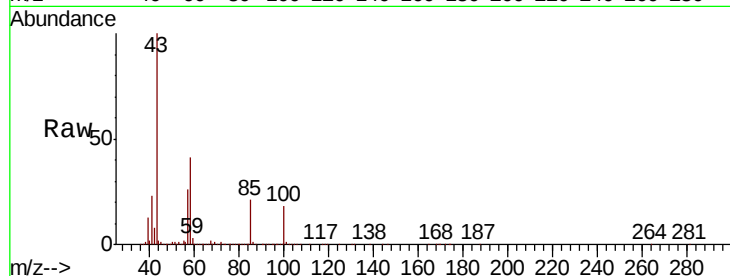
VX1207WBS01

Tot Ion: 43 Resp: 865668

Ion Ratio Lower Upper

43 100

58 40.3 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

600000

500000

400000

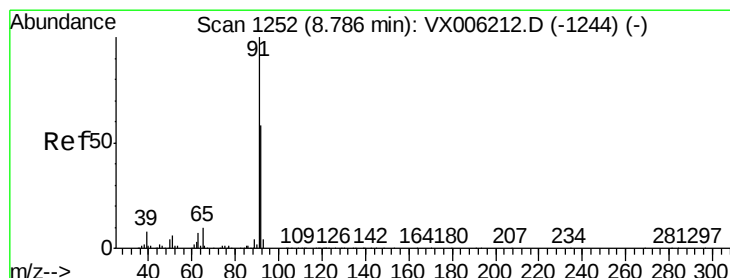
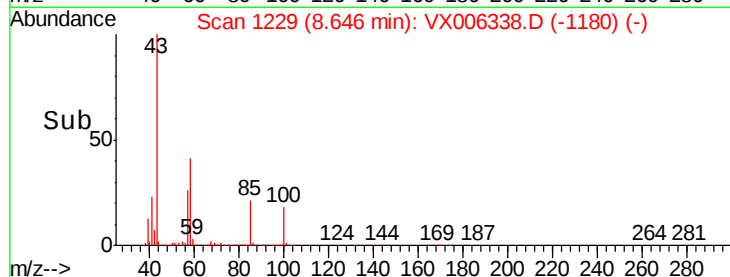
300000

200000

100000

0

Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 18.914 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006338.D

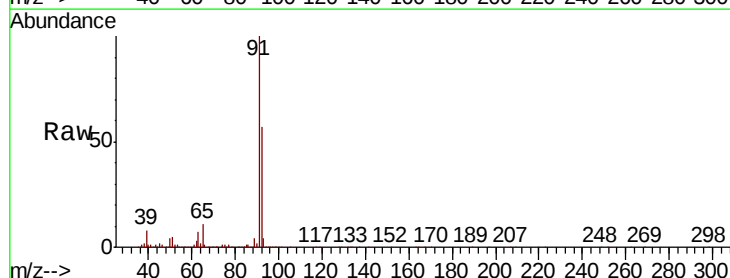
Acq: 07 Dec 2018 11:12

Tgt Ion: 92 Resp: 316551

Ion Ratio Lower Upper

92 100

91 173.9 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

400000

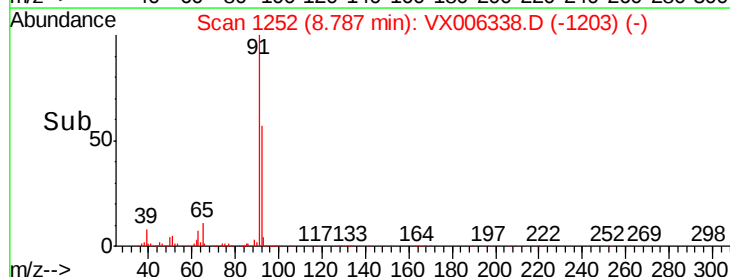
300000

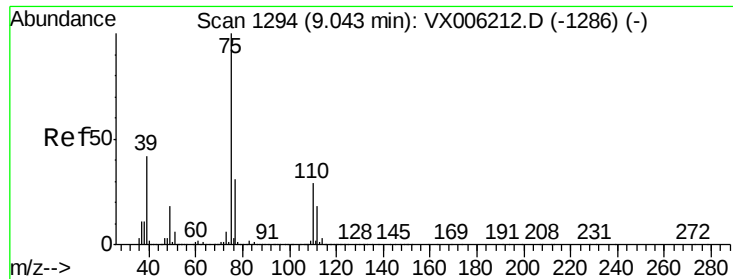
200000

100000

0

Time--> 8.70 8.75 8.80 8.85 8.90





#53

t-1,3-Dichloropropene

Concen: 17.549 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampled :

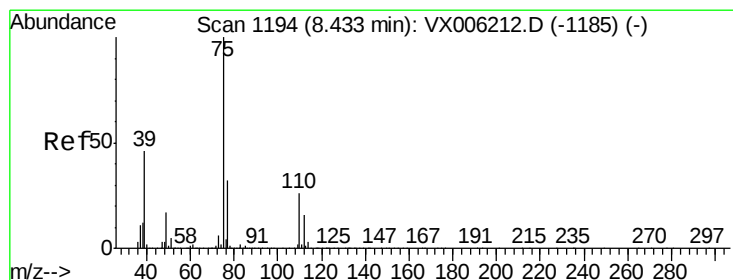
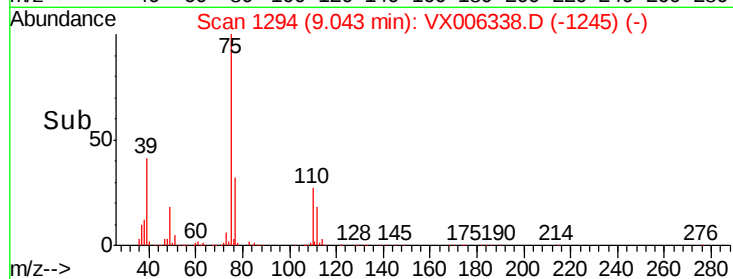
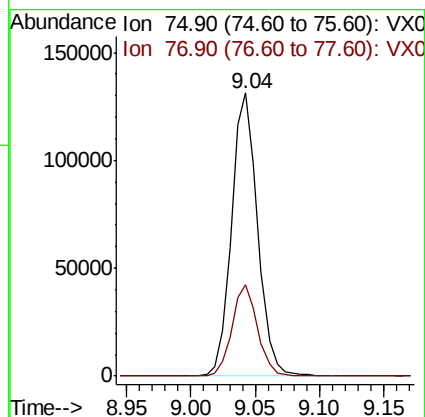
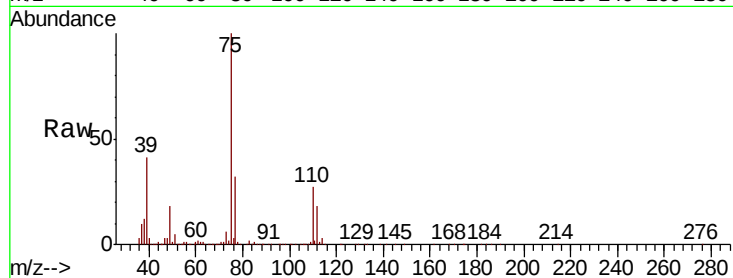
VX1207WBS01

Tot Ion: 75 Resp: 185588

Ion Ratio Lower Upper

75 100

77 32.3 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 18.428 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

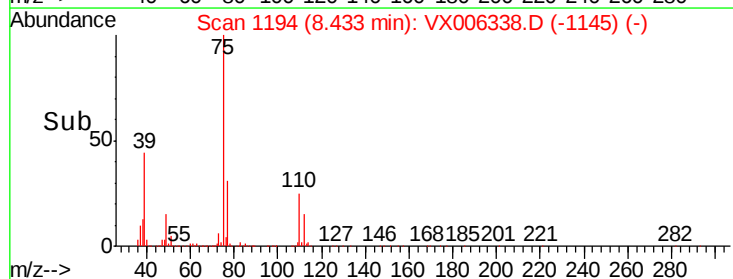
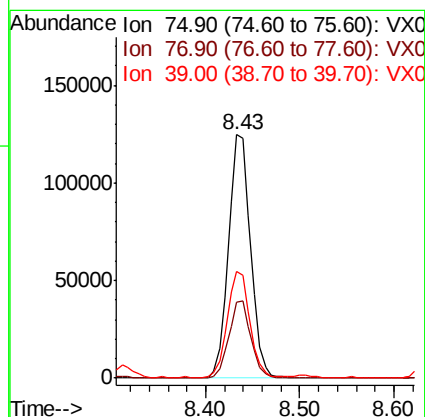
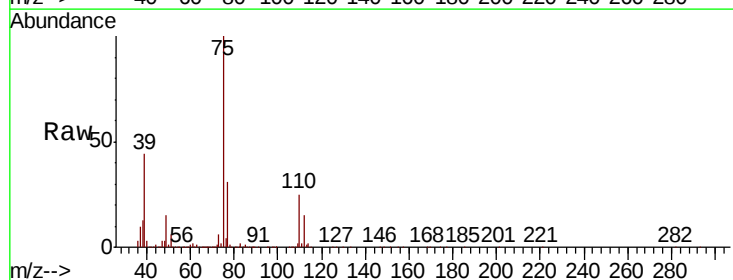
Tgt Ion: 75 Resp: 202360

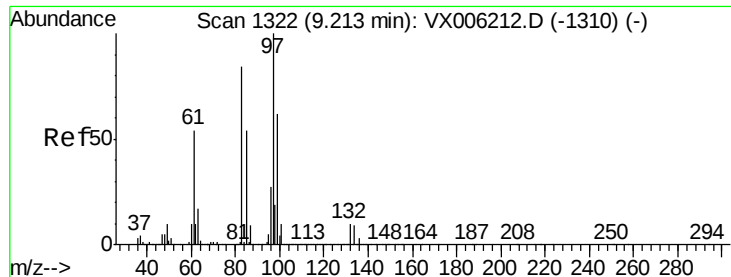
Ion Ratio Lower Upper

75 100

77 30.9 25.6 38.4

39 43.7 36.5 54.7

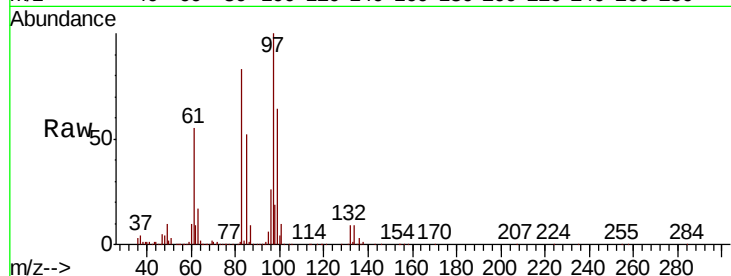




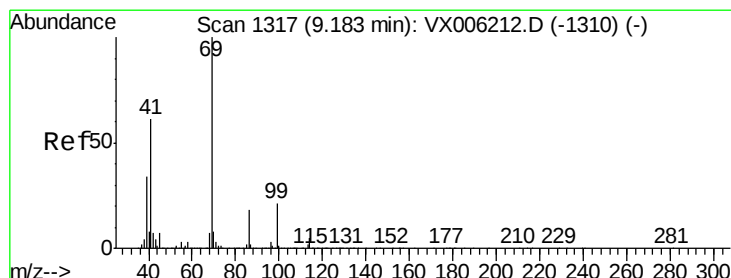
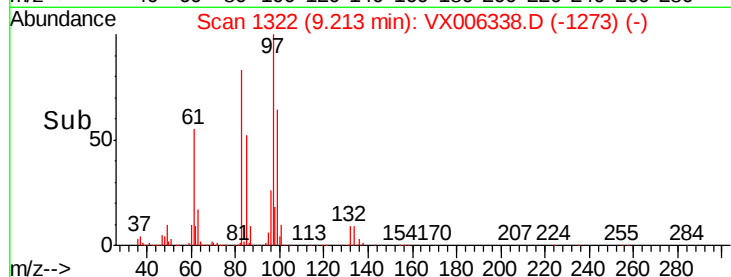
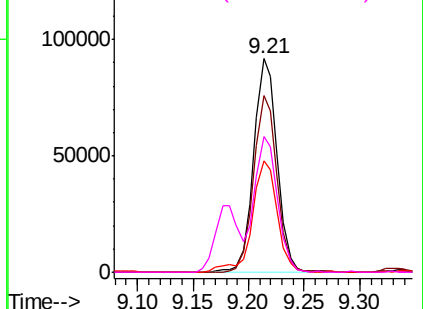
#55
 1,1,2-Trichloroethane
 Concen: 19.828 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX006338.D
 Acq: 07 Dec 2018 11:12

Instrument :
 MSVOA_X
 ClientSampled :
 VX1207WBS01

Tot Ion:	97	Resp:	134815
Ion	Ratio	Lower	Upper
97	100		
83	82.6	67.1	100.7
85	52.1	43.2	64.8
99	63.4	49.8	74.6

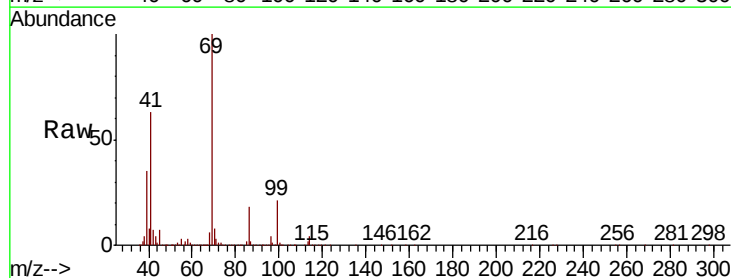


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

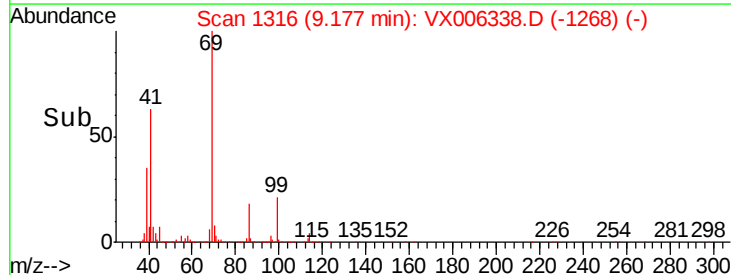
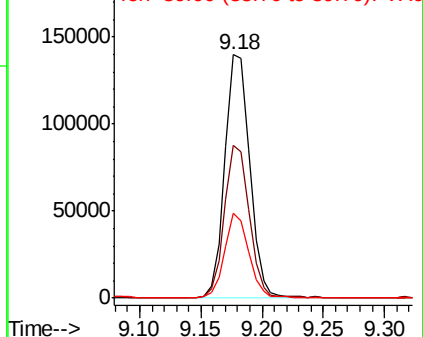


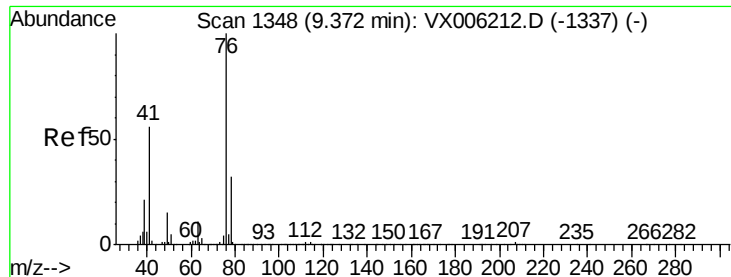
#56
 Ethyl methacrylate
 Concen: 18.656 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX006338.D
 Acq: 07 Dec 2018 11:12

Tgt Ion:	69	Resp:	198306
Ion	Ratio	Lower	Upper
69	100		
41	62.4	50.6	76.0
39	33.1	27.6	41.4



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.692 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

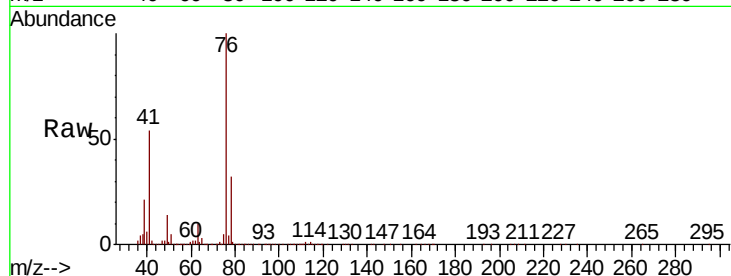
VX1207WBS01

Tot Ion: 76 Resp: 211723

Ion Ratio Lower Upper

76 100

78 32.2 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

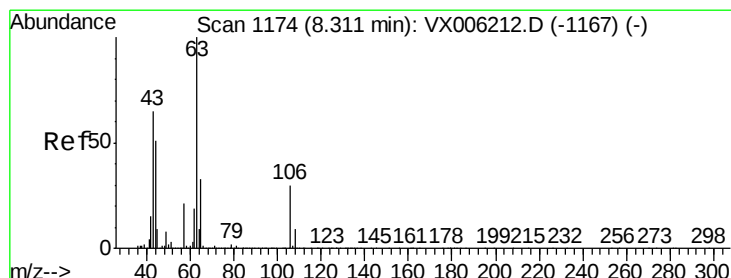
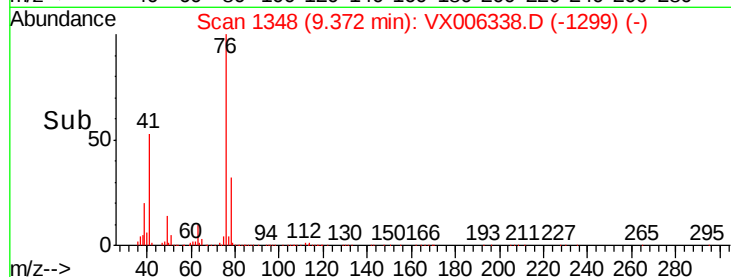
100000

50000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 92.240 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006338.D

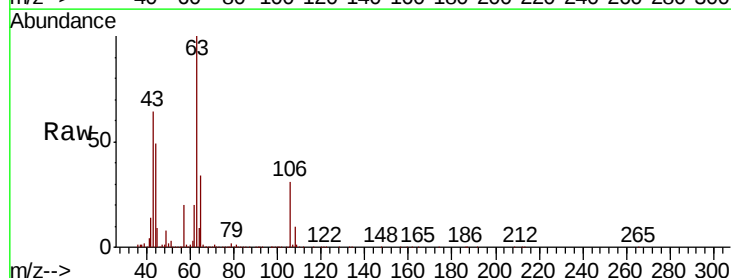
Acq: 07 Dec 2018 11:12

Tgt Ion: 63 Resp: 497530

Ion Ratio Lower Upper

63 100

106 31.6 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

300000

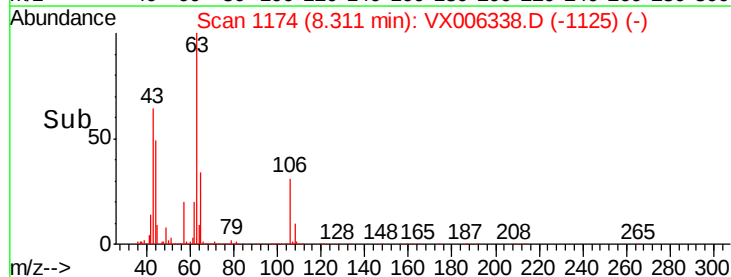
200000

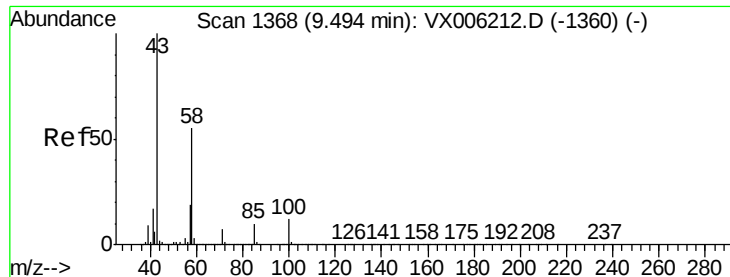
100000

0

8.20 8.30 8.40

Time-->

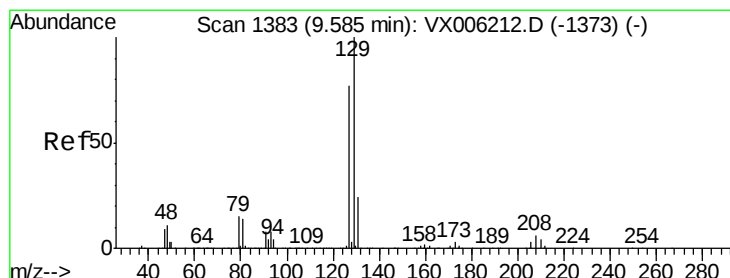
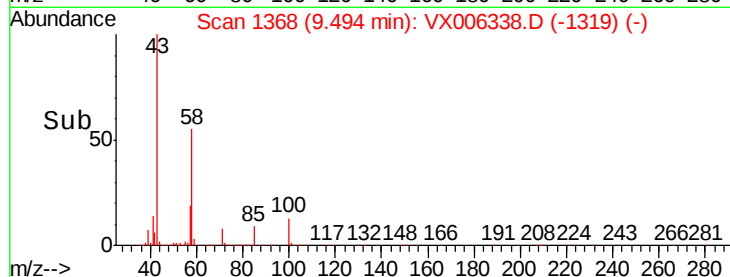
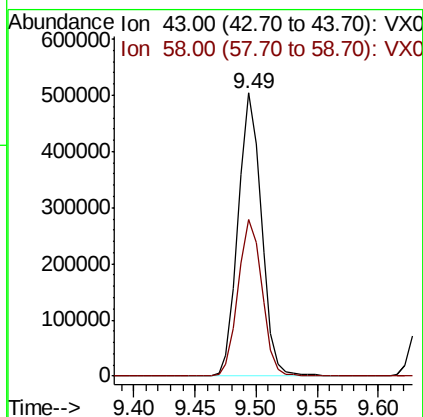
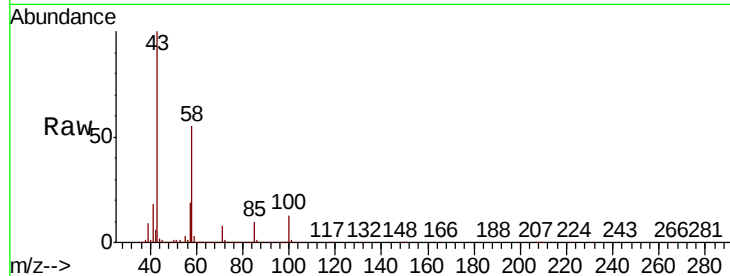




#59
2-Hexanone
Concen: 94.036 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

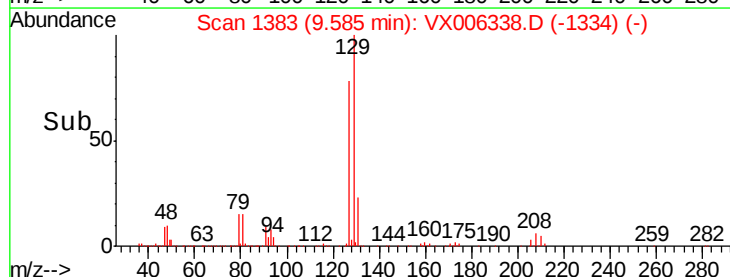
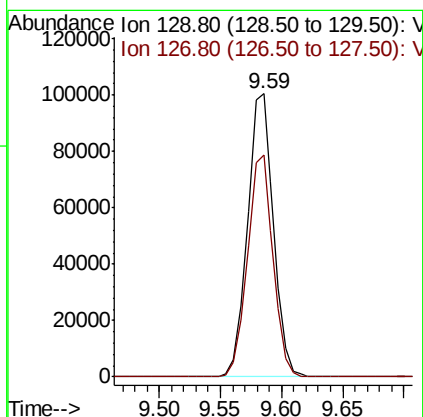
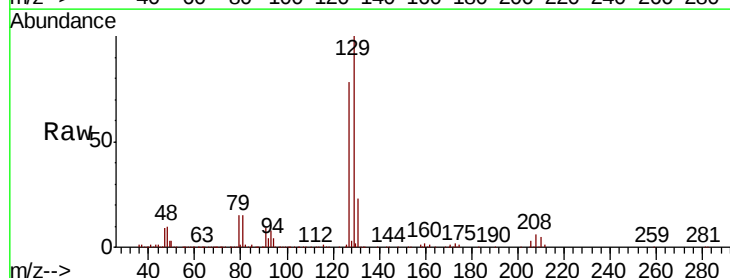
Instrument :
MSVOA_X
ClientSampleId :
VX1207WBS01

Tot Ion: 43 Resp: 663267
Ion Ratio Lower Upper
43 100
58 56.6 27.7 83.1



#60
Dibromochloromethane
Concen: 17.668 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

Tgt Ion: 129 Resp: 148134
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8

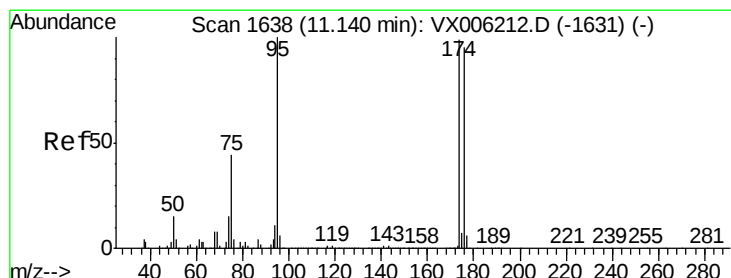
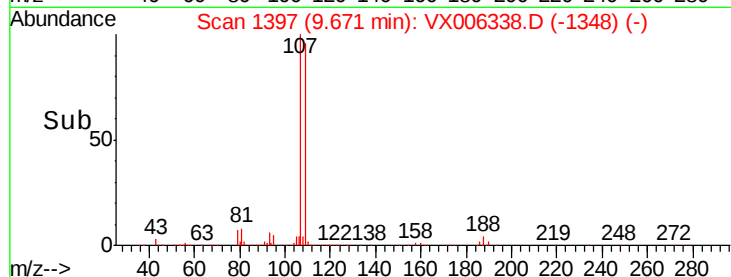
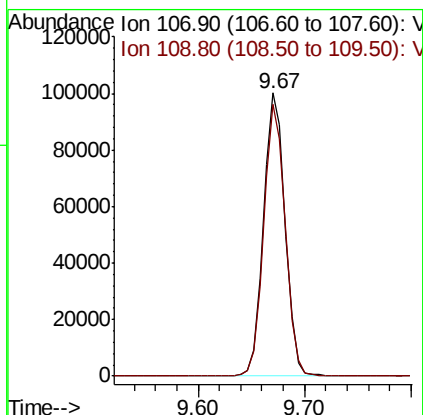
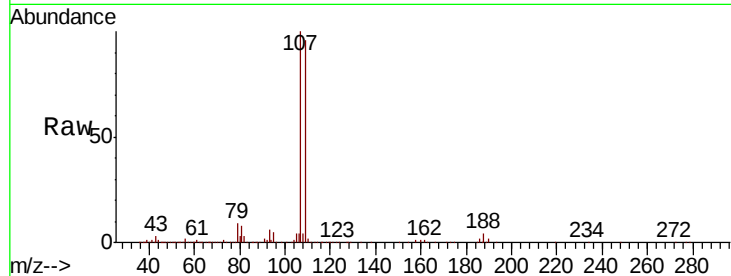




#61
 1,2-Dibromoethane
 Concen: 18.766 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX006338.D
 Acq: 07 Dec 2018 11:12

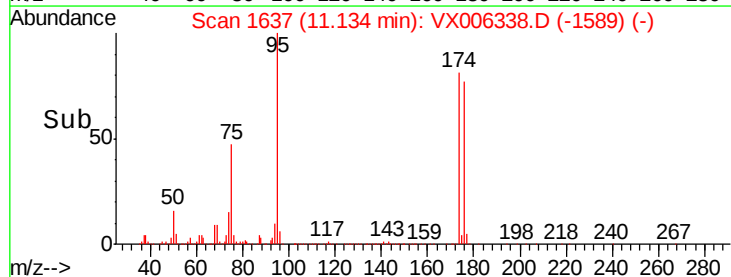
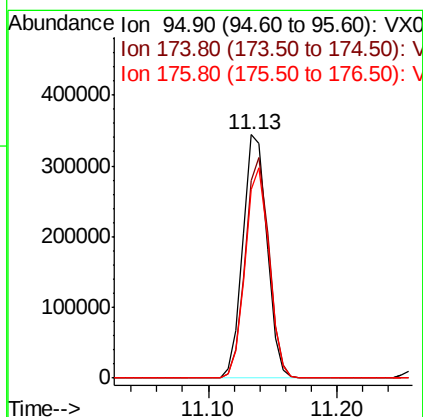
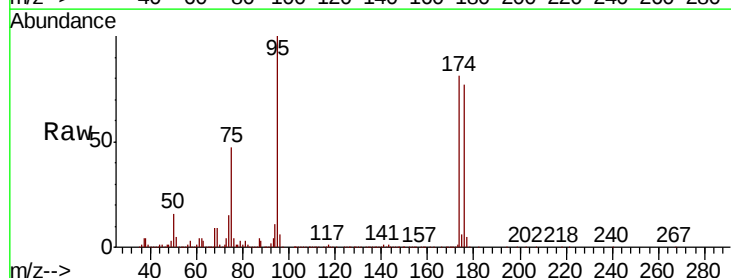
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1207WBS01

Tot Ion:107 Resp: 142669
 Ion Ratio Lower Upper
 107 100
 109 95.9 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 49.812 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: VX006338.D
 Acq: 07 Dec 2018 11:12

Tgt Ion: 95 Resp: 445874
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 187.0
 176 85.2 0.0 181.8

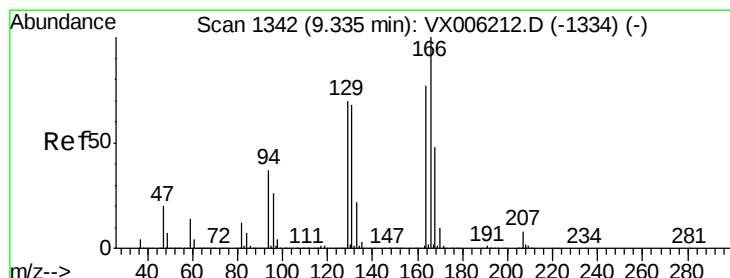
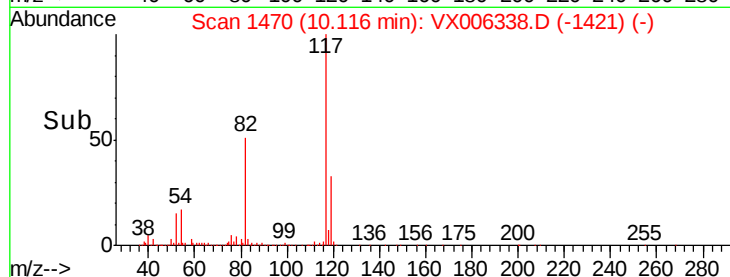
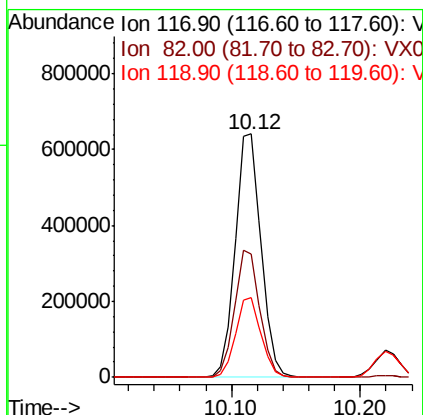
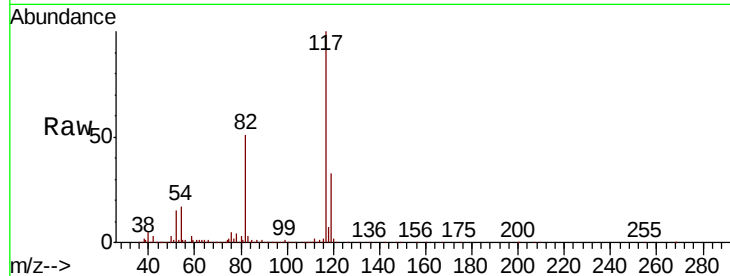




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

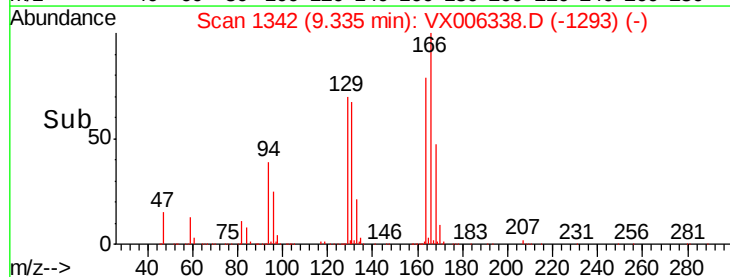
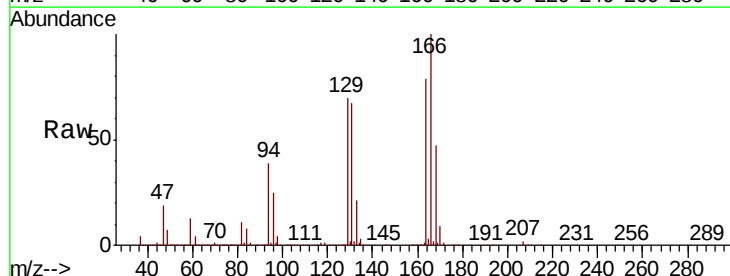
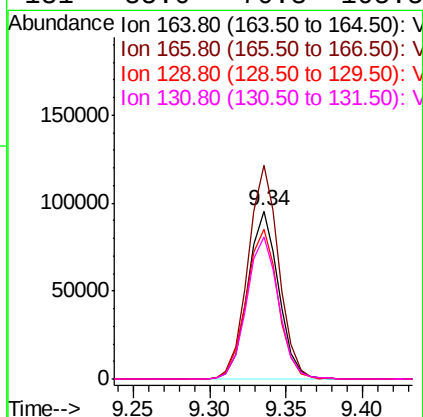
Instrument :
MSVOA_X
ClientSampleId :
VX1207WBS01

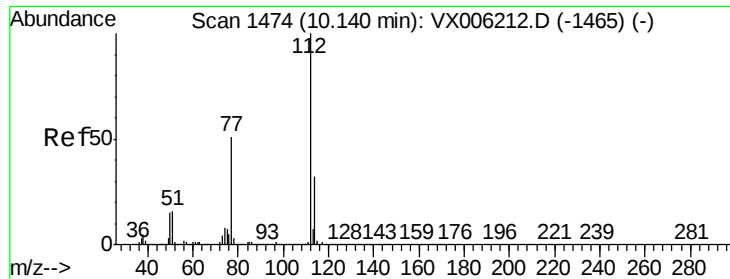
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	39.6	59.4
119	32.9	26.3	39.5



#64
Tetrachloroethene
Concen: 19.789 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	104.2	156.2
129	89.7	72.6	108.8
131	85.0	70.3	105.5

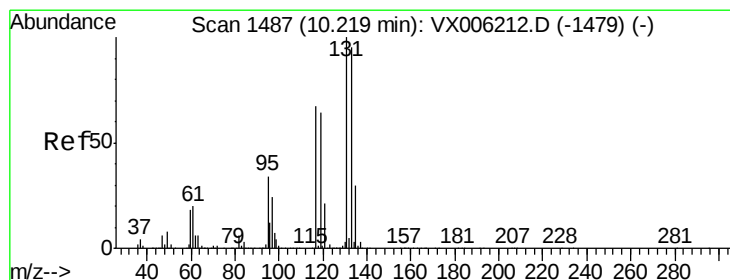
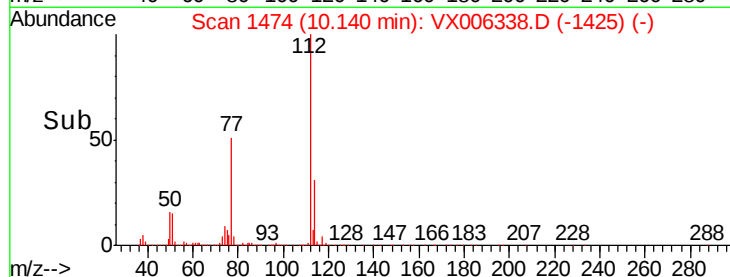
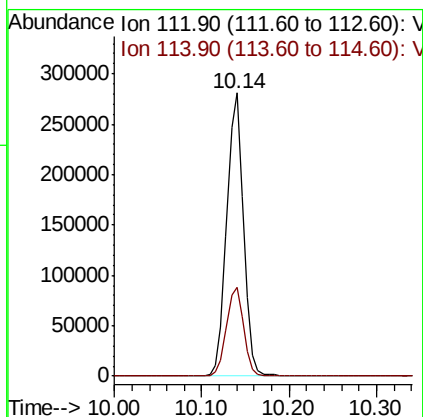
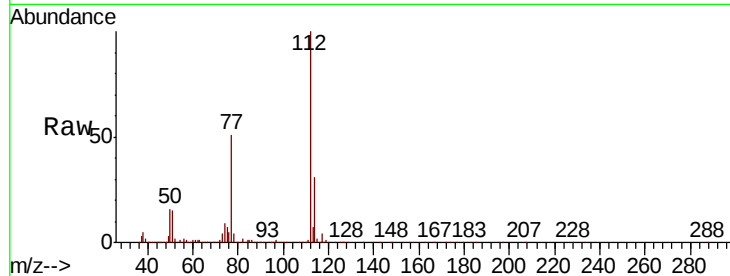




#65
Chlorobenzene
Concen: 19.654 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

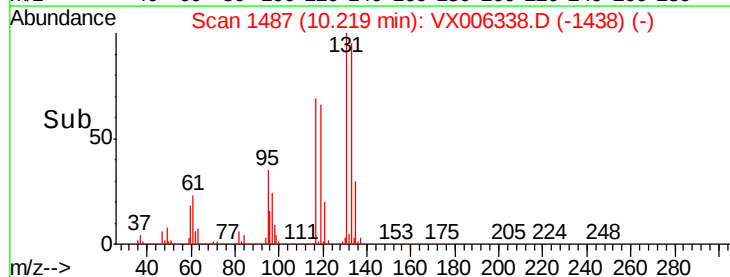
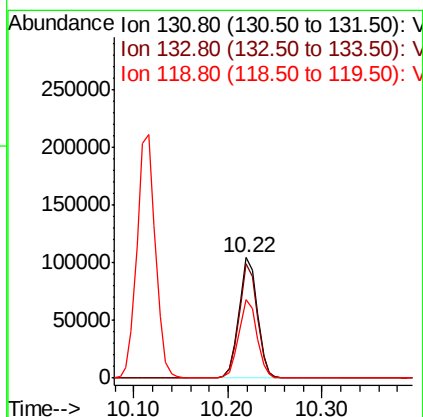
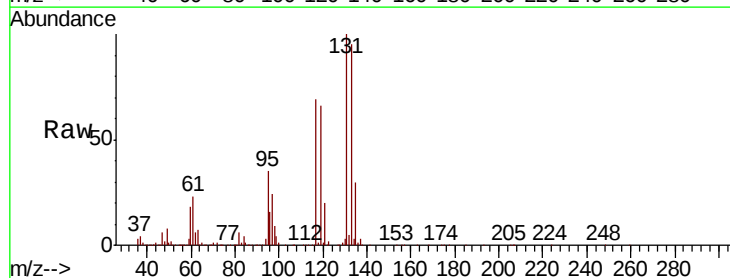
Instrument :
MSVOA_X
ClientSampleId :
VX1207WBS01

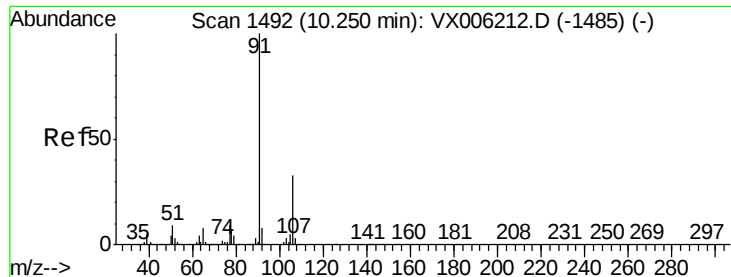
Tot Ion:112 Resp: 372989
Ion Ratio Lower Upper
112 100
114 31.3 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.285 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

Tgt Ion:131 Resp: 142198
Ion Ratio Lower Upper
131 100
133 94.2 48.1 144.4
119 64.7 32.1 96.3





#67

Ethyl Benzene

Concen: 19.409 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

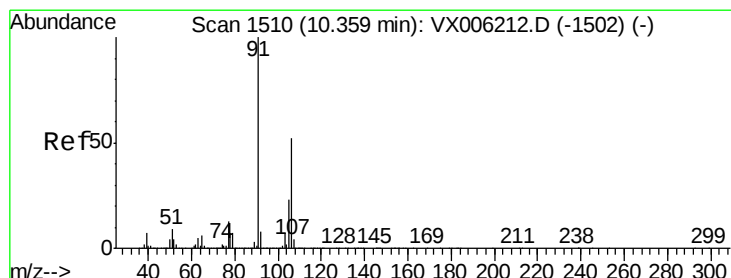
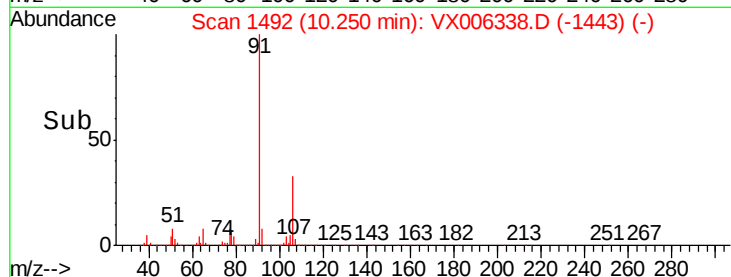
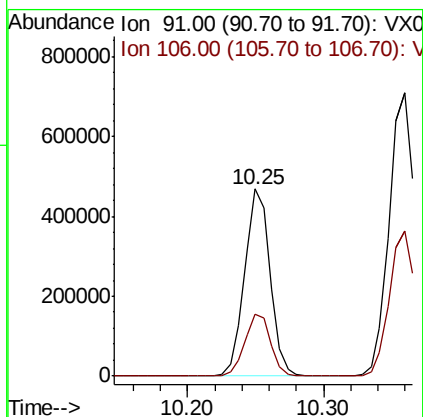
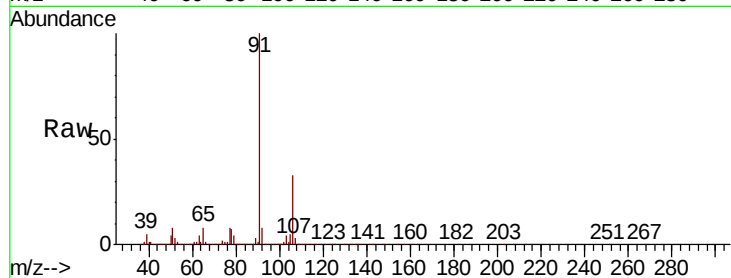
VX1207WBS01

Tot Ion: 91 Resp: 612601

Ion Ratio Lower Upper

91 100

106 33.5 26.5 39.7



#68

m/p-Xylenes

Concen: 39.141 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006338.D

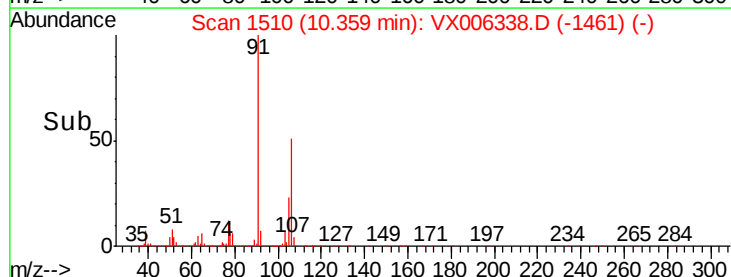
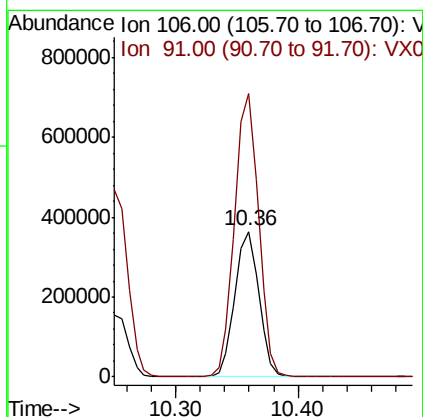
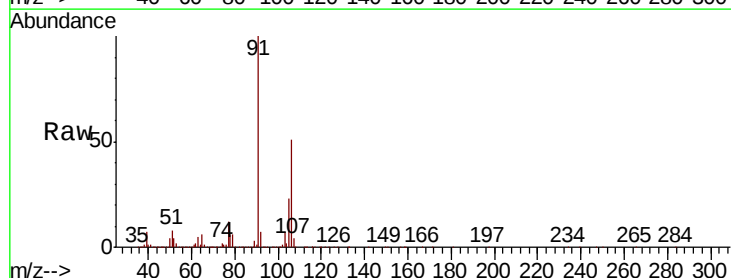
Acq: 07 Dec 2018 11:12

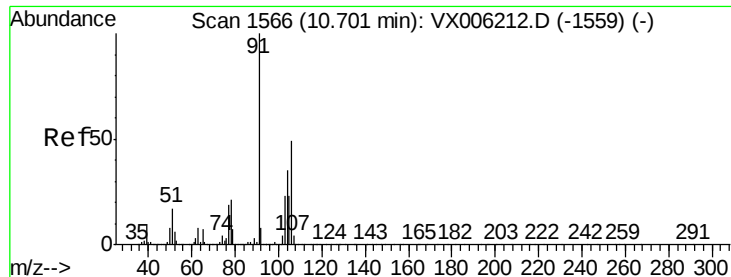
Tgt Ion: 106 Resp: 494879

Ion Ratio Lower Upper

106 100

91 194.1 155.2 232.8

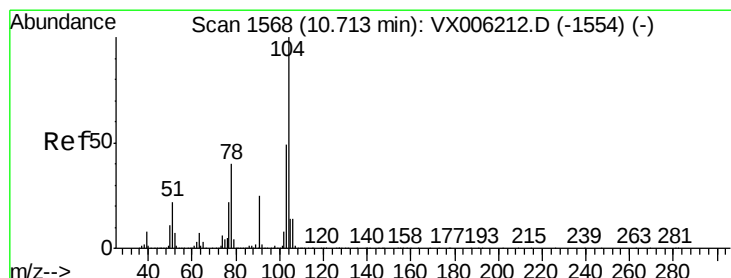
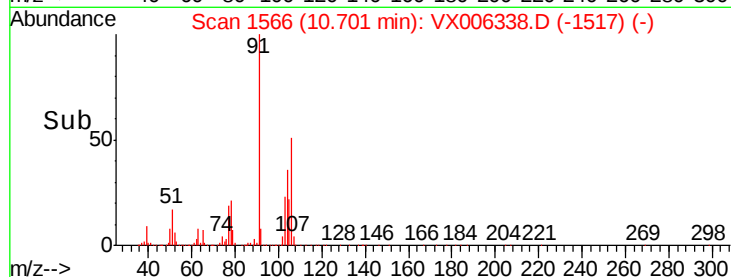
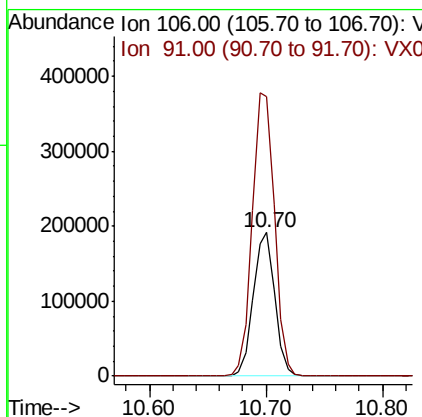
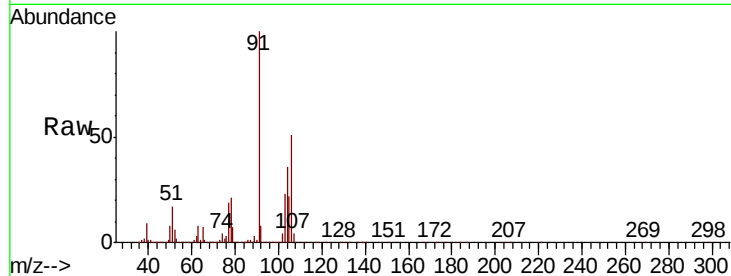




#69
o-Xylene
Concen: 19.830 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

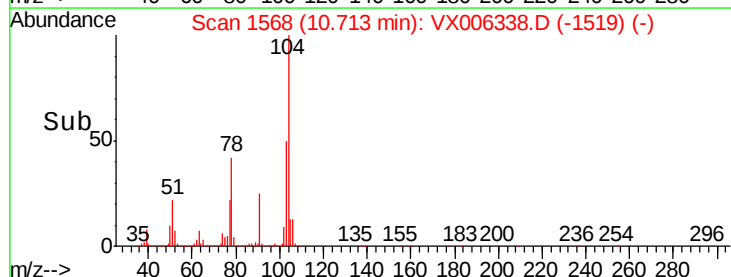
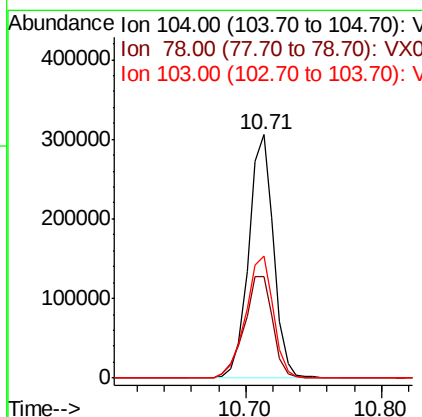
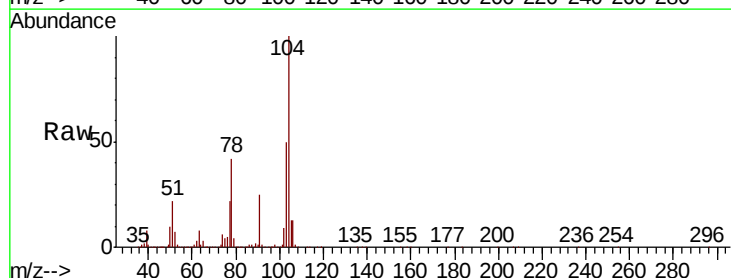
Instrument :
MSVOA_X
ClientSampleId :
VX1207WBS01

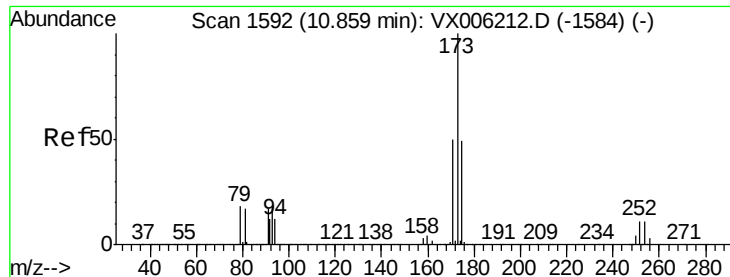
Tot Ion:106 Resp: 247650
Ion Ratio Lower Upper
106 100
91 204.4 101.8 305.6



#70
Styrene
Concen: 19.396 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

Tgt Ion:104 Resp: 391782
Ion Ratio Lower Upper
104 100
78 47.7 37.2 55.8
103 55.4 43.5 65.3





#71

Bromoform

Concen: 16.788 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

VX1207WBS01

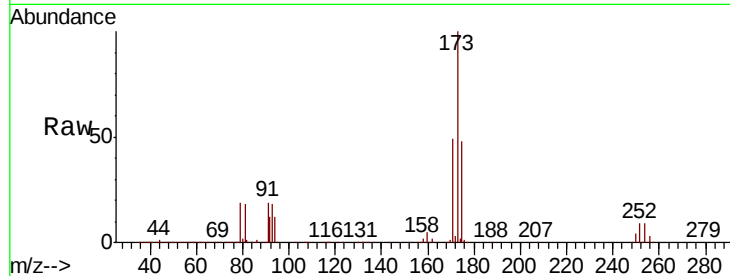
Tot Ion:173 Resp: 116850

Ion Ratio Lower Upper

173 100

175 49.2 24.6 73.8

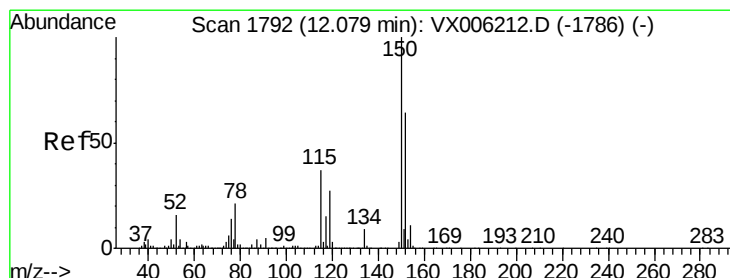
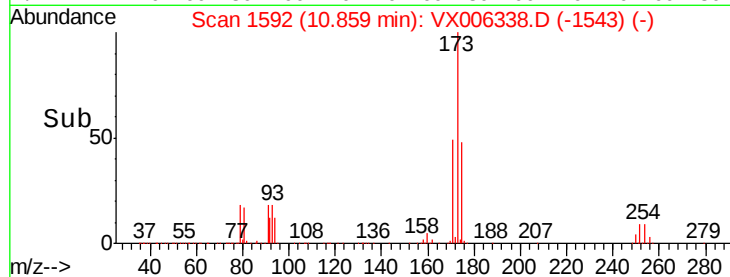
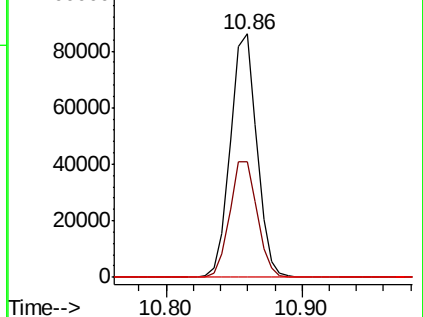
254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

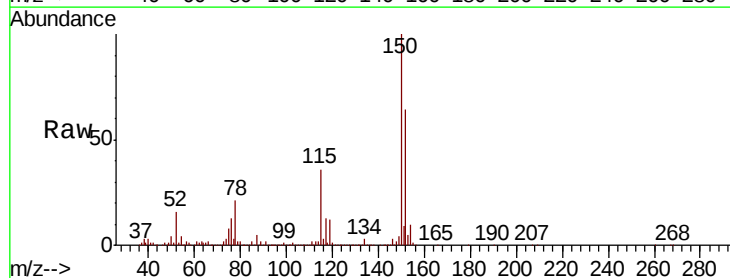
Tgt Ion:152 Resp: 469234

Ion Ratio Lower Upper

152 100

115 64.7 39.0 116.9

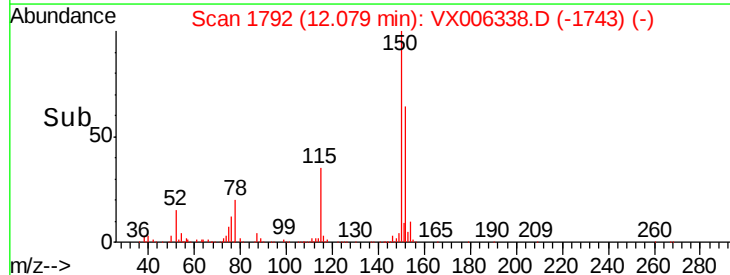
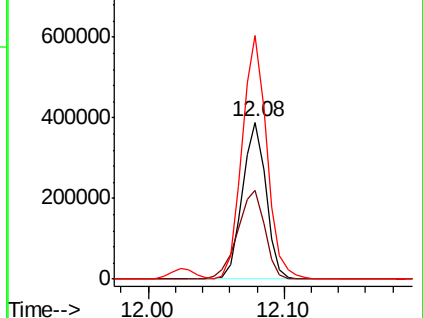
150 162.4 0.0 345.8

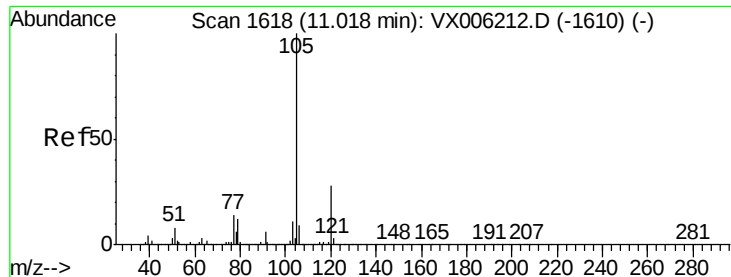


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.801 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

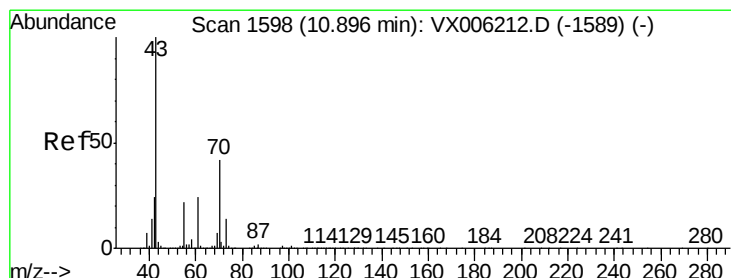
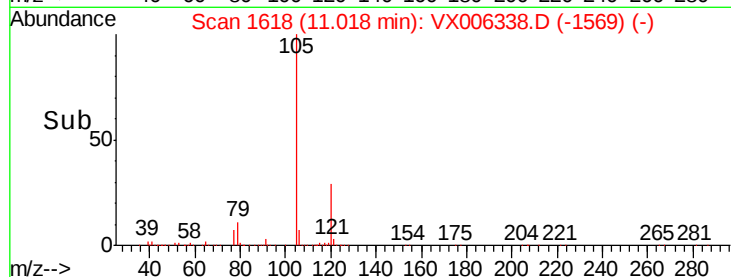
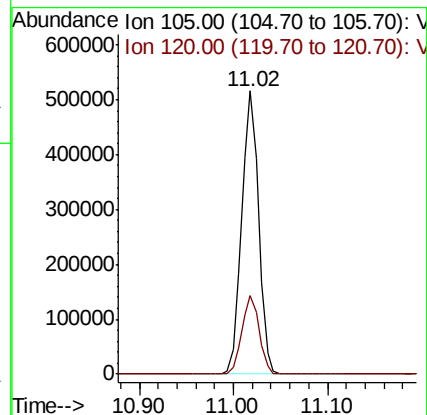
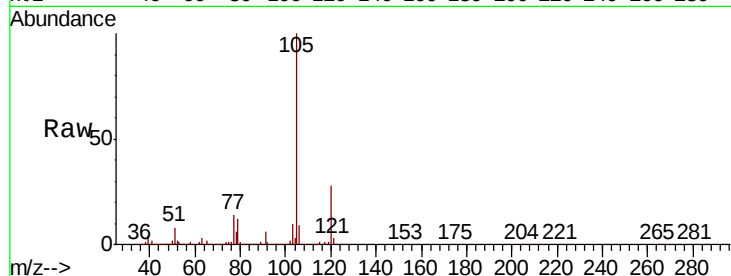
VX1207WBS01

Tot Ion:105 Resp: 641645

Ion Ratio Lower Upper

105 100

120 28.2 14.1 42.3



#74

N-ethyl acetate

Concen: 18.170 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Tgt Ion: 43 Resp: 253544

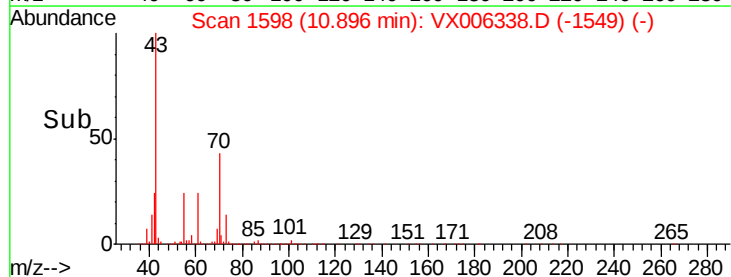
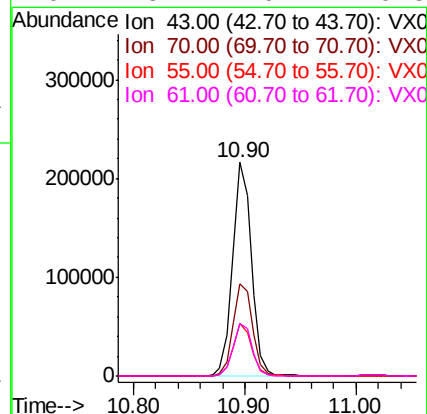
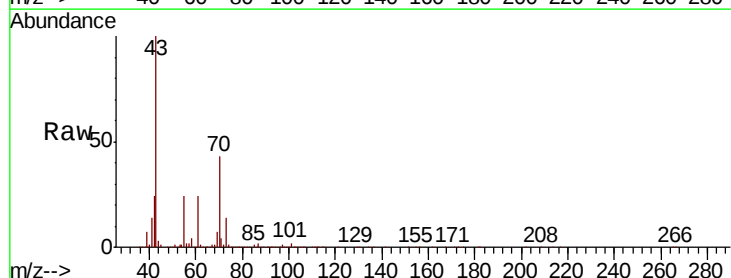
Ion Ratio Lower Upper

43 100

70 44.6 34.1 51.1

55 24.0 17.8 26.8

61 25.1 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.699 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

VX1207WBS01

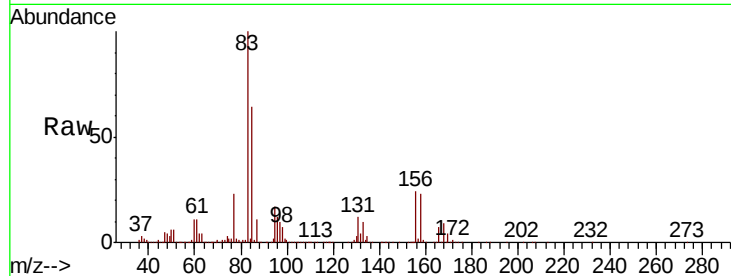
Tot Ion: 83 Resp: 204214

Ion Ratio Lower Upper

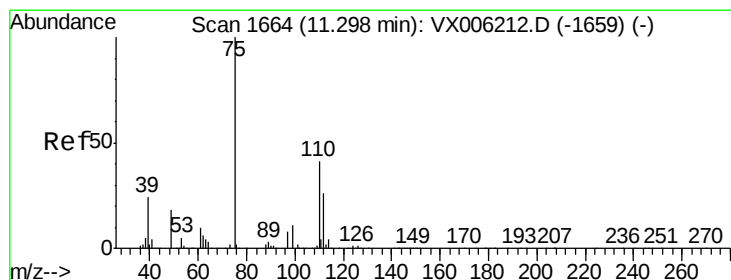
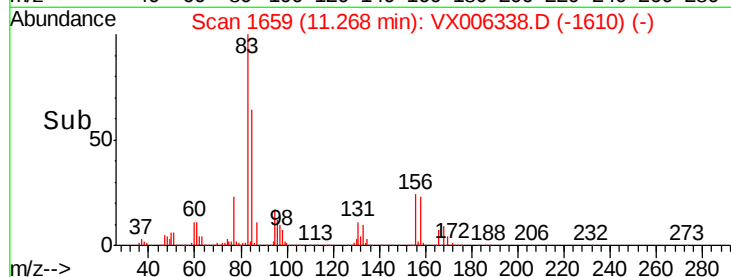
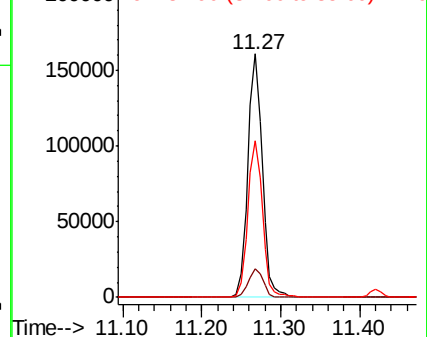
83 100

131 11.9 5.7 17.1

85 65.5 32.1 96.5



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: 26.321 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX006338.D

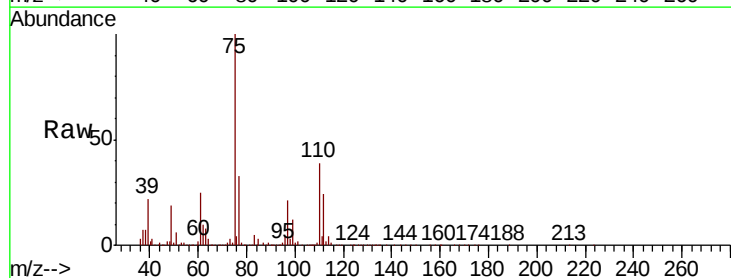
Acq: 07 Dec 2018 11:12

Tgt Ion: 75 Resp: 238388

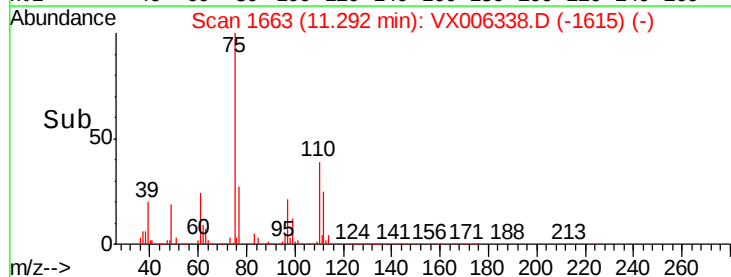
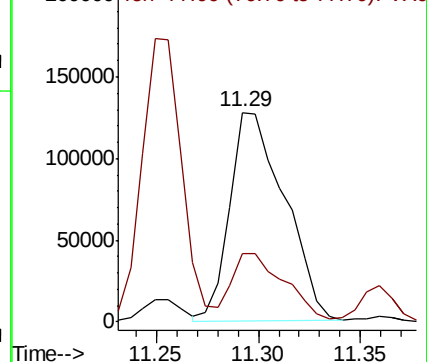
Ion Ratio Lower Upper

75 100

77 31.4 19.9 59.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.646 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

VX1207WBS01

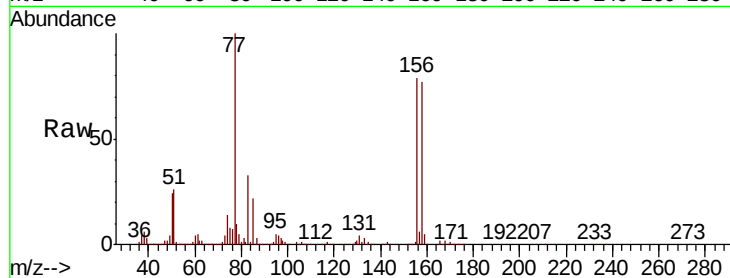
Tot Ion:156 Resp: 176677

Ion Ratio Lower Upper

156 100

77 134.0 66.2 198.6

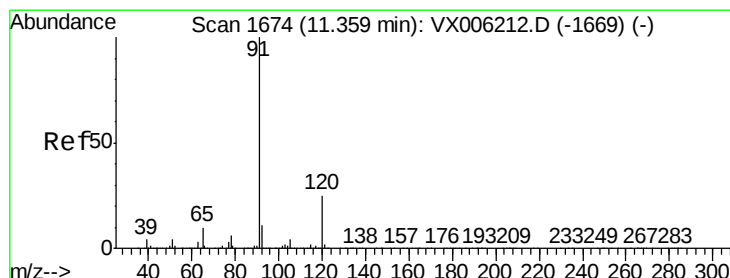
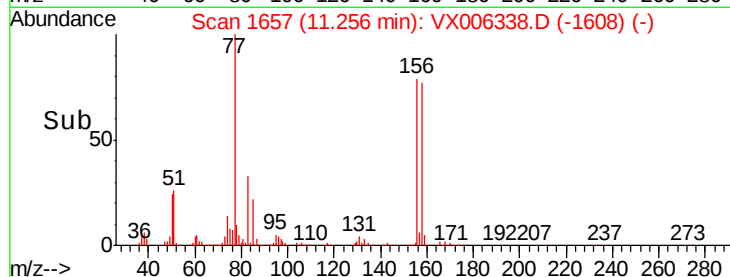
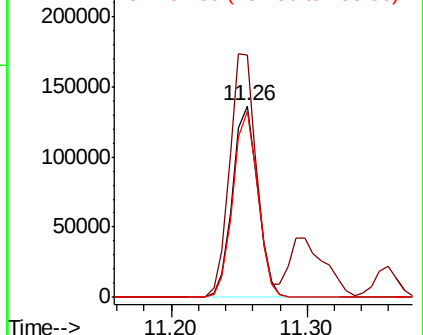
158 96.1 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.711 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006338.D

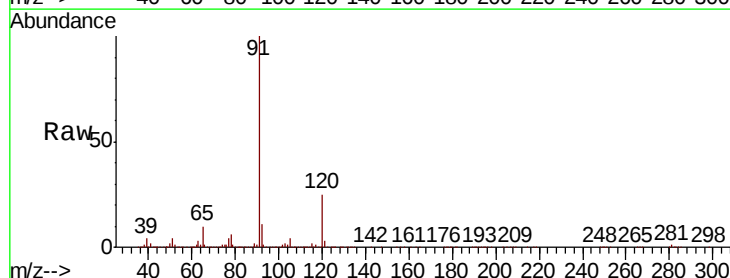
Acq: 07 Dec 2018 11:12

Tgt Ion: 91 Resp: 709996

Ion Ratio Lower Upper

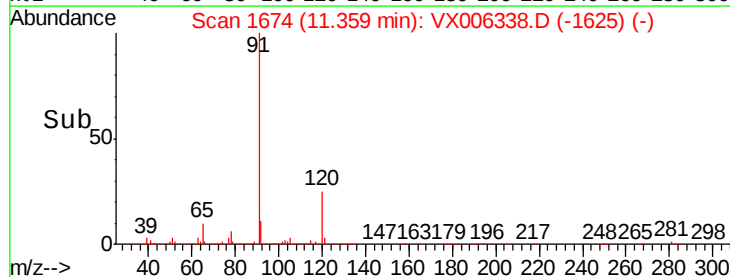
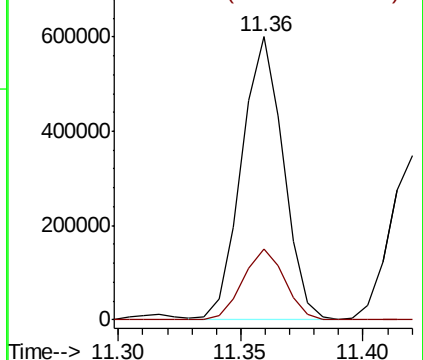
91 100

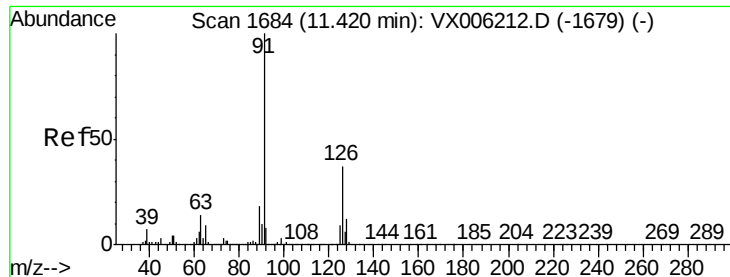
120 25.5 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.983 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

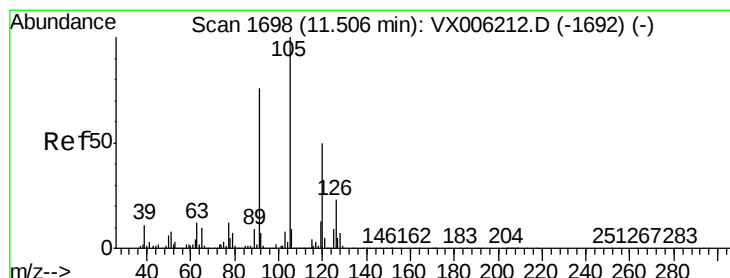
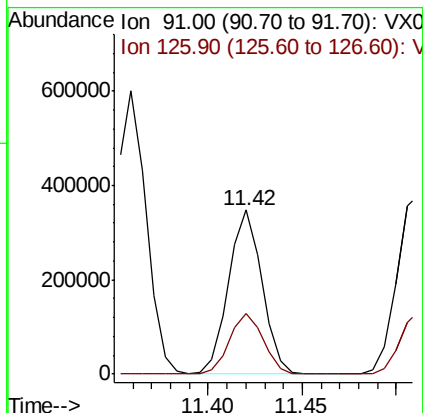
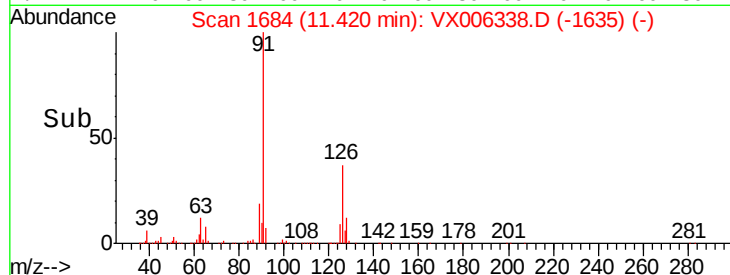
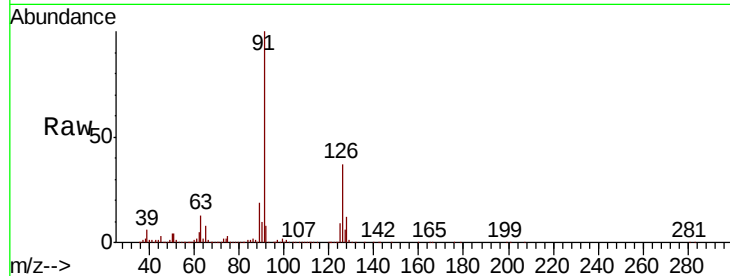
VX1207WBS01

Tot Ion: 91 Resp: 427831

Ion Ratio Lower Upper

91 100

126 37.7 18.6 56.0



#80

1,3,5-Trimethylbenzene

Concen: 19.747 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006338.D

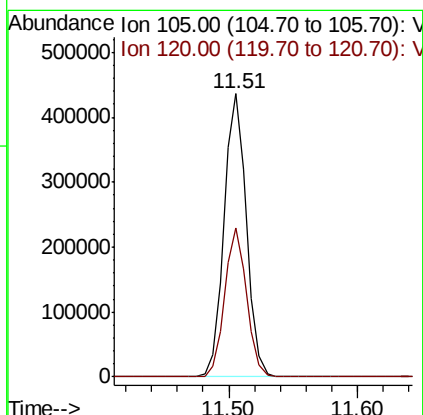
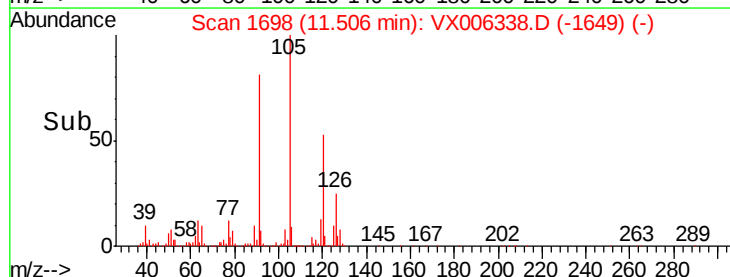
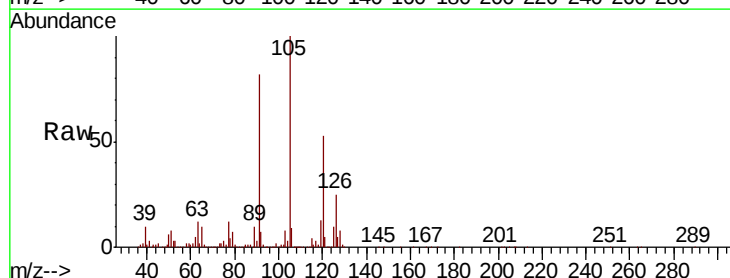
Acq: 07 Dec 2018 11:12

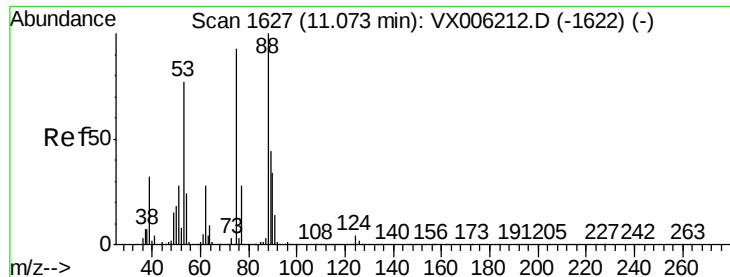
Tgt Ion: 105 Resp: 532406

Ion Ratio Lower Upper

105 100

120 51.8 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 16.952 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

VX1207WBS01

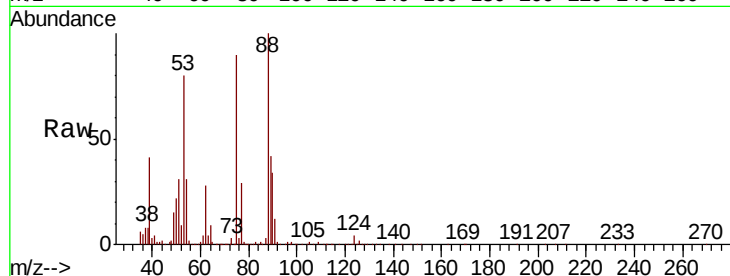
Tot Ion: 75 Resp: 65426

Ion Ratio Lower Upper

75 100

53 87.2 64.4 96.6

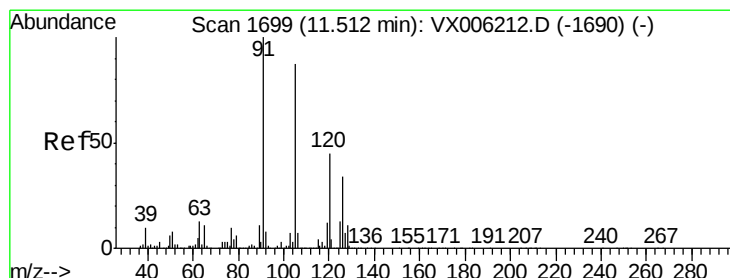
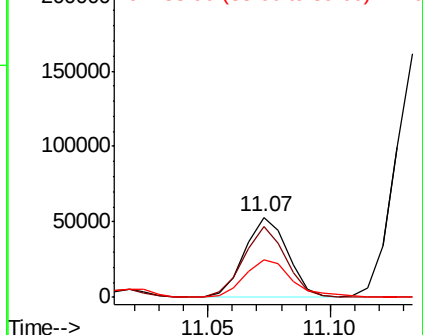
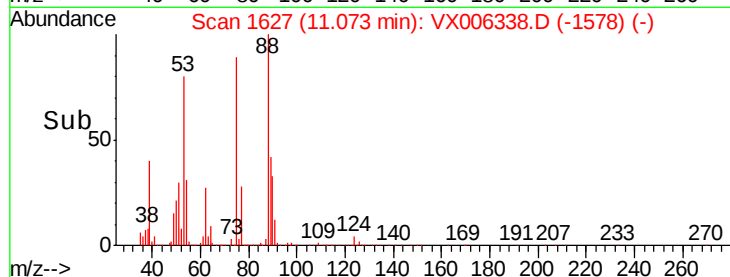
89 51.4 44.2 66.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.559 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX006338.D

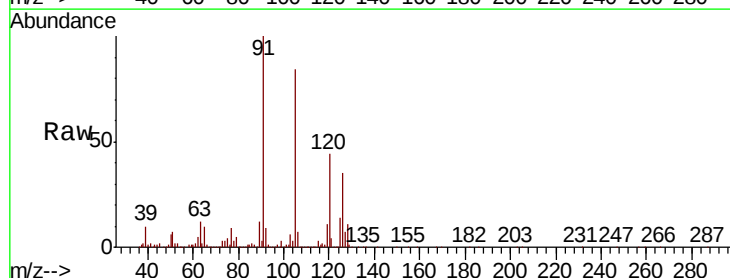
Acq: 07 Dec 2018 11:12

Tgt Ion: 91 Resp: 486873

Ion Ratio Lower Upper

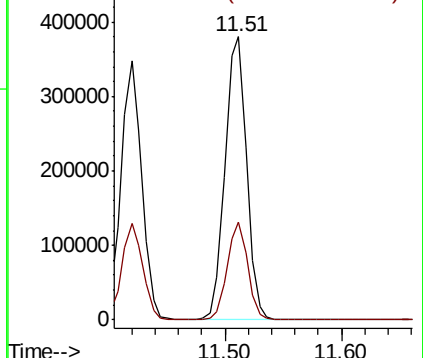
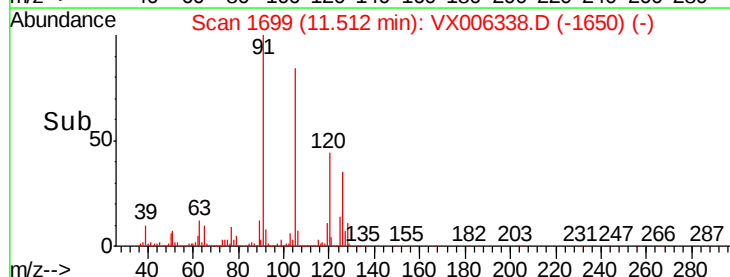
91 100

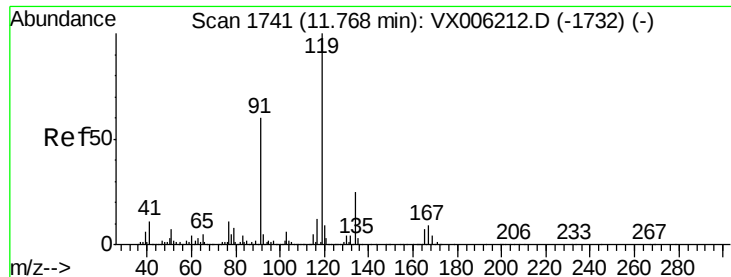
126 33.1 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.801 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampled :

VX1207WBS01

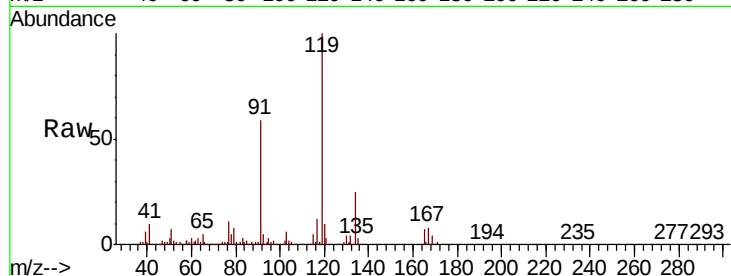
Tot Ion:119 Resp: 569604

Ion Ratio Lower Upper

119 100

91 53.4 26.4 79.2

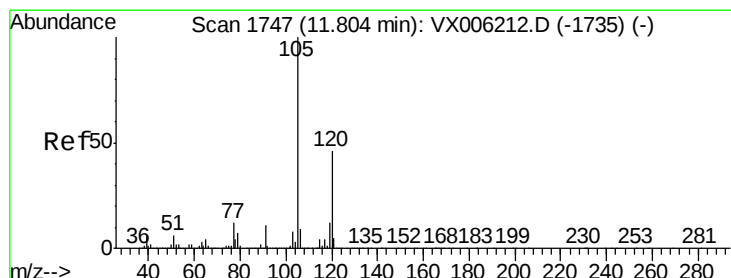
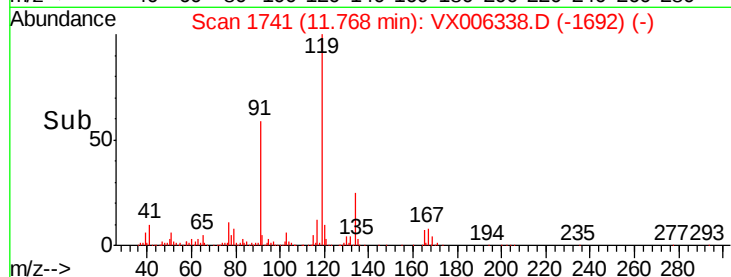
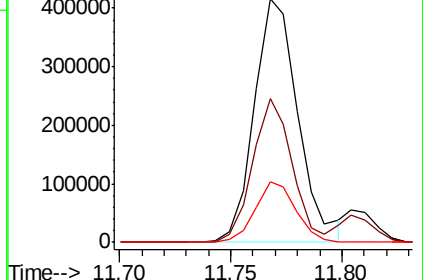
134 23.0 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.875 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006338.D

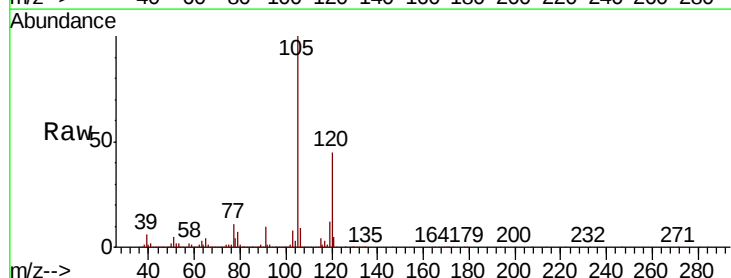
Acq: 07 Dec 2018 11:12

Tgt Ion:105 Resp: 553321

Ion Ratio Lower Upper

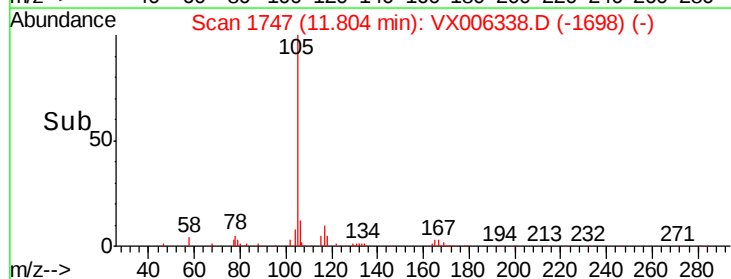
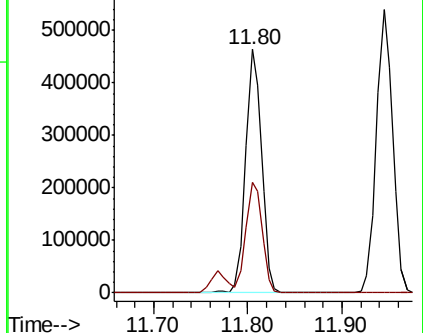
105 100

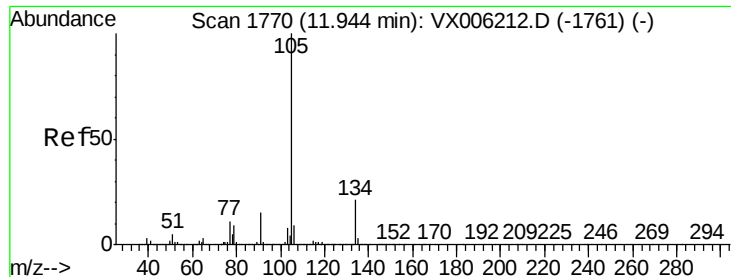
120 46.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.927 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

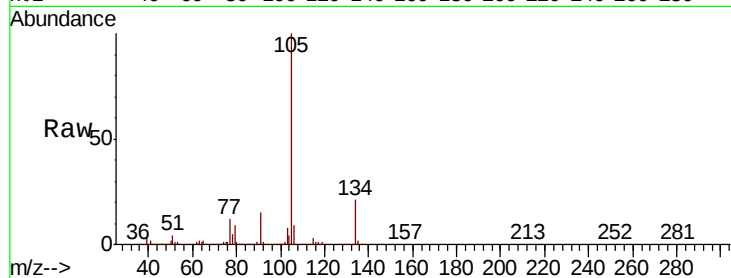
VX1207WBS01

Tot Ion:105 Resp: 652147

Ion Ratio Lower Upper

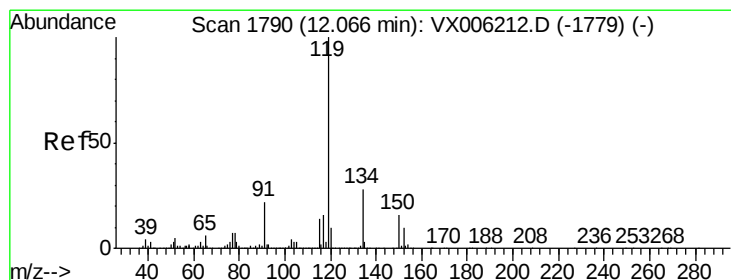
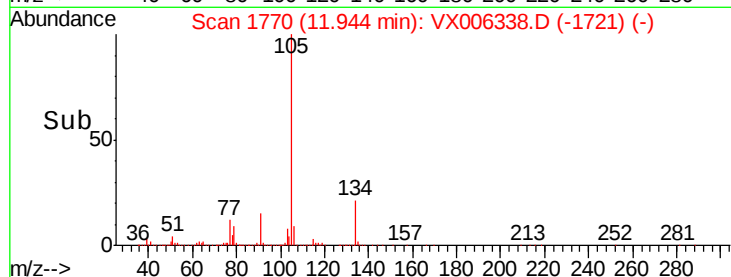
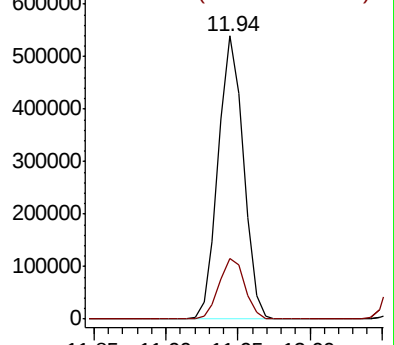
105 100

134 21.9 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.759 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

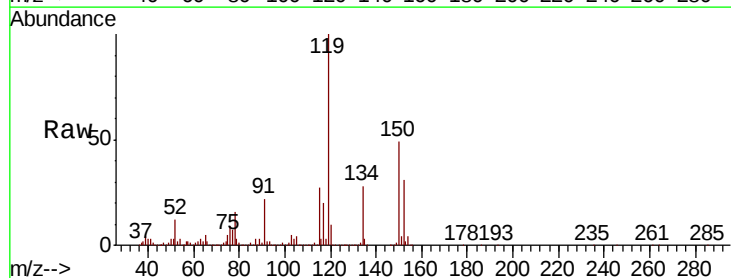
Tgt Ion:119 Resp: 582294

Ion Ratio Lower Upper

119 100

134 28.0 13.9 41.6

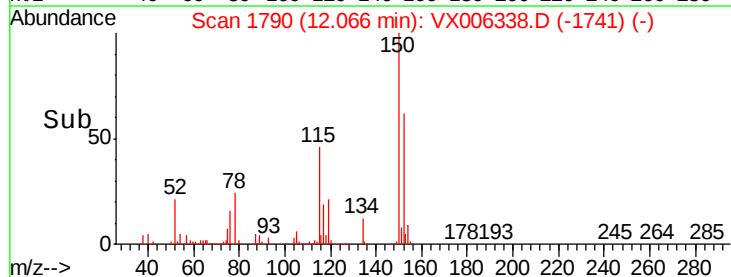
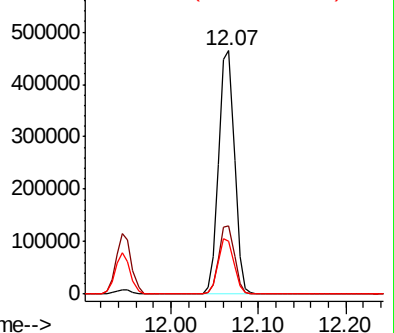
91 22.6 11.3 33.8

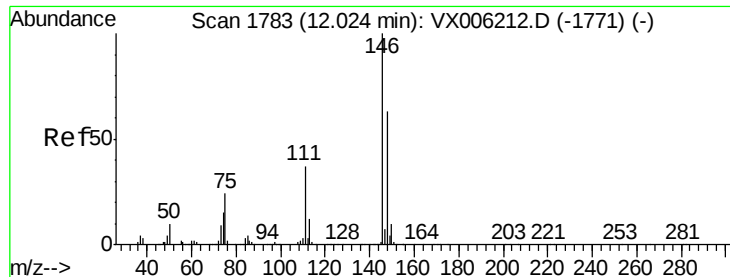


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 19.655 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

VX1207WBS01

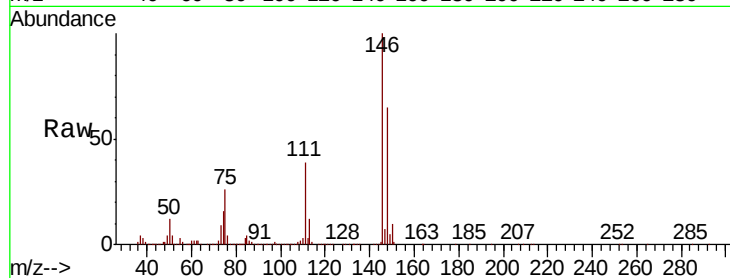
Tot Ion:146 Resp: 314509

Ion Ratio Lower Upper

146 100

111 38.2 18.4 55.2

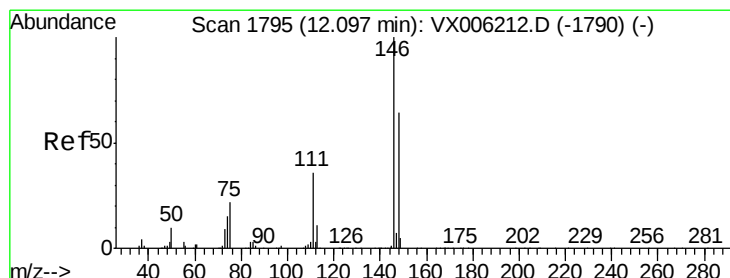
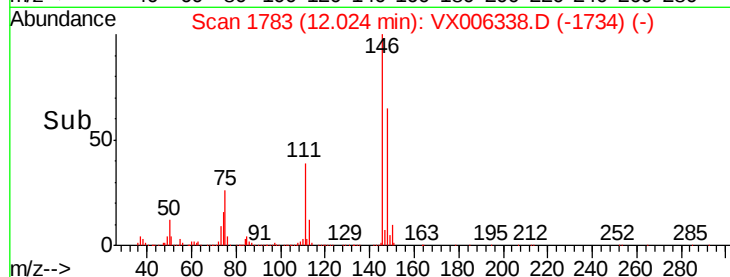
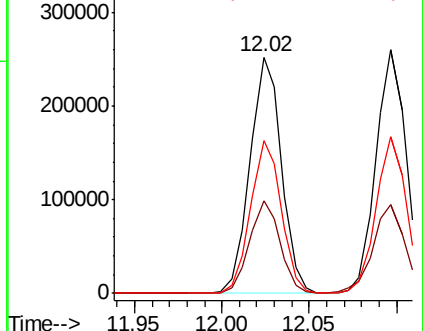
148 63.3 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.257 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

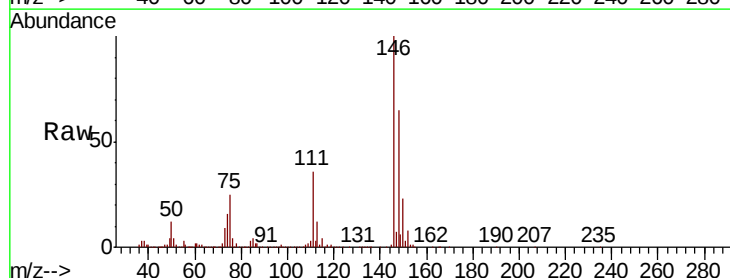
Tgt Ion:146 Resp: 312757

Ion Ratio Lower Upper

146 100

111 38.3 18.3 54.8

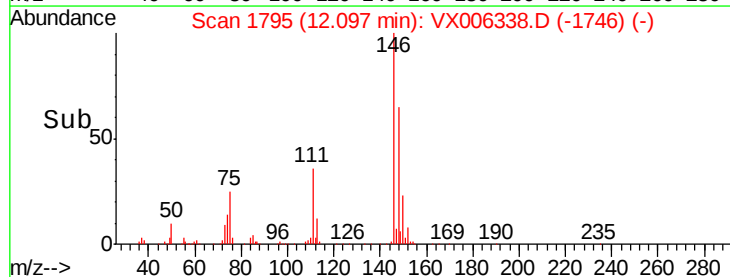
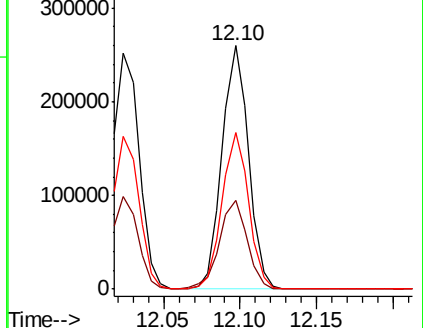
148 64.8 31.9 95.9

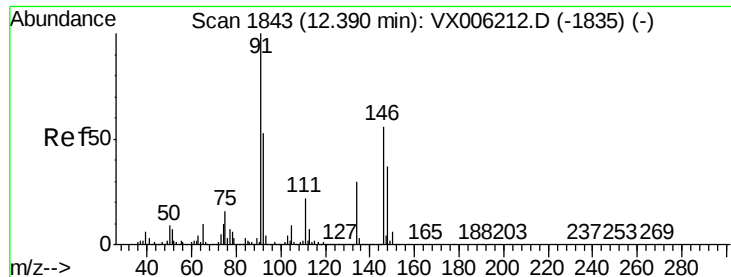


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.016 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampled :

VX1207WBS01

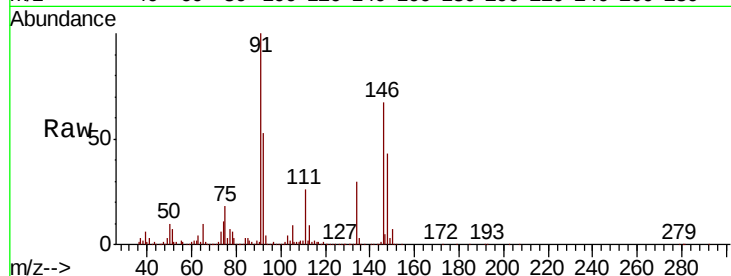
Tot Ion: 91 Resp: 478146

Ion Ratio Lower Upper

91 100

92 52.9 26.6 79.8

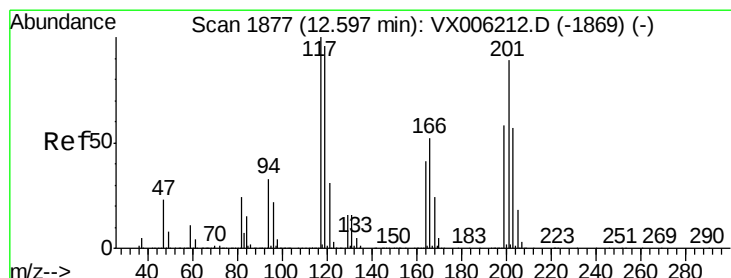
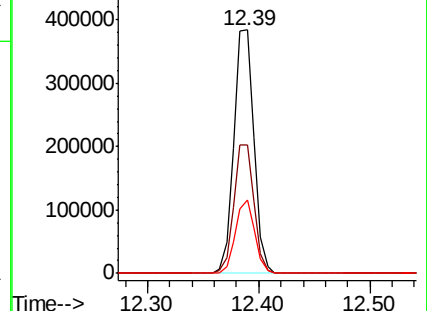
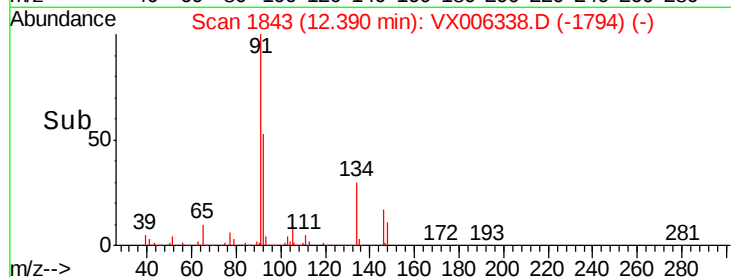
134 29.1 14.8 44.3



Abundance Ion 91.00 (90.70 to 91.70): VX006338.D (-1794) (-)

Ion 92.00 (91.70 to 92.70): VX006338.D (-1794) (-)

Ion 134.00 (133.70 to 134.70): VX006338.D (-1794) (-)



#90

Hexachloroethane

Concen: 17.438 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX006338.D

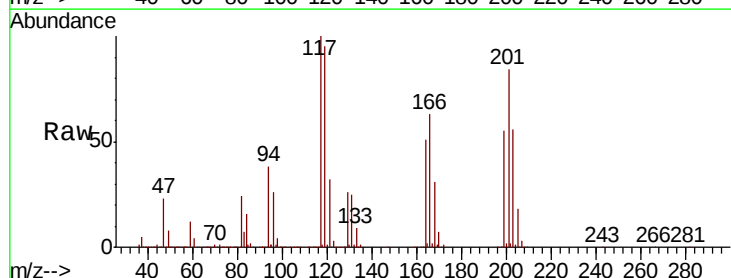
Acq: 07 Dec 2018 11:12

Tgt Ion: 117 Resp: 104736

Ion Ratio Lower Upper

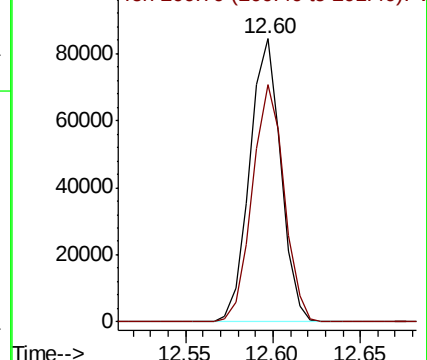
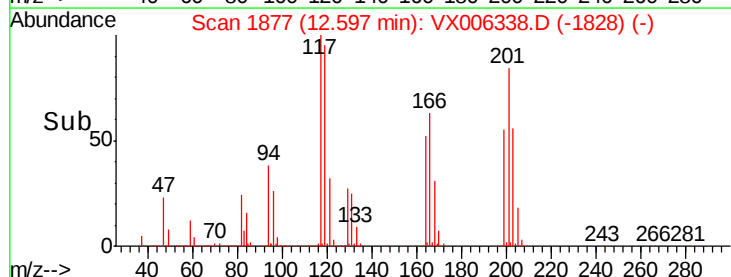
117 100

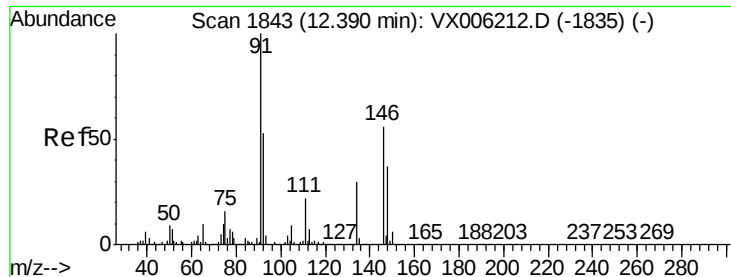
201 85.3 44.7 134.1



Abundance Ion 116.80 (116.50 to 117.50): VX006338.D (-1828) (-)

Ion 200.70 (200.40 to 201.40): VX006338.D (-1828) (-)





#91

1,2-Dichlorobenzene

Concen: 19.693 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

Instrument :

MSVOA_X

ClientSampleId :

VX1207WBS01

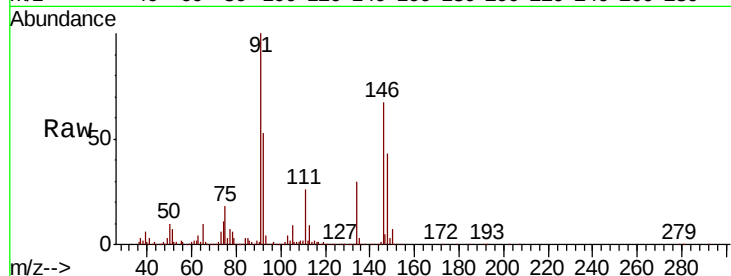
Tot Ion:146 Resp: 312745

Ion Ratio Lower Upper

146 100

111 39.6 19.1 57.3

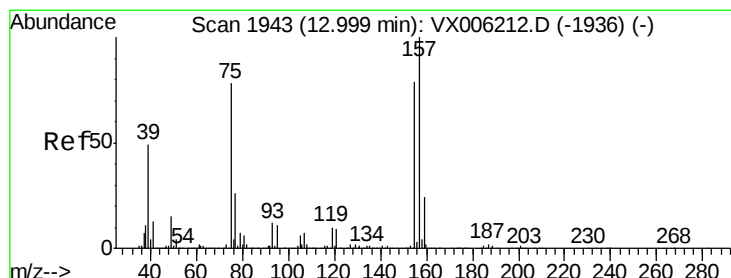
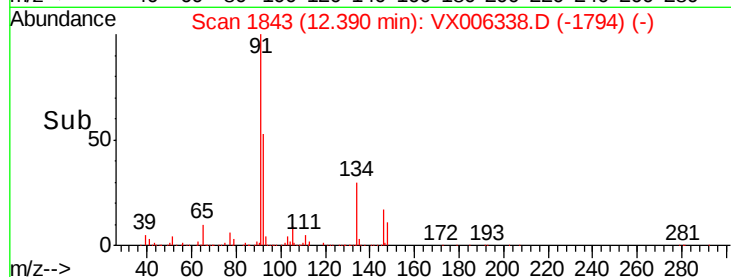
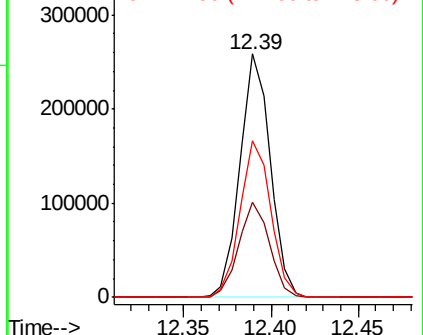
148 65.1 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.225 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX006338.D

Acq: 07 Dec 2018 11:12

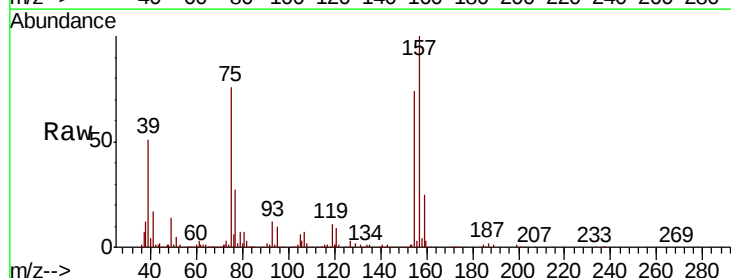
Tgt Ion: 75 Resp: 45775

Ion Ratio Lower Upper

75 100

155 101.6 53.4 160.3

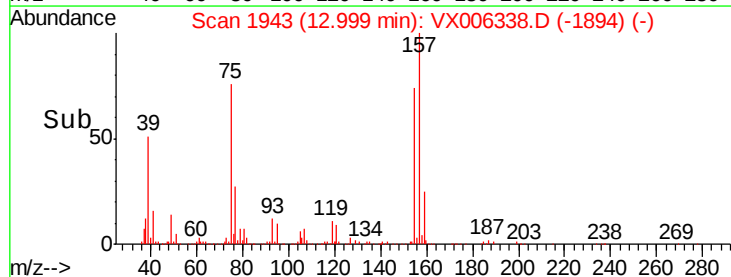
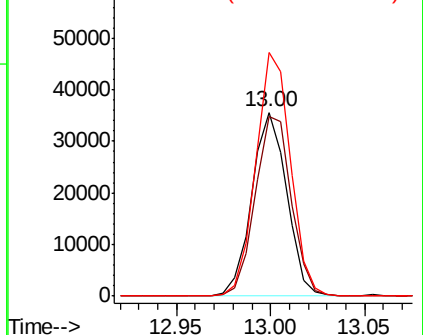
157 132.2 68.0 203.8

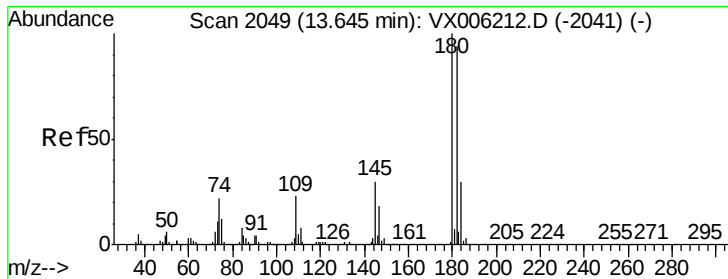


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

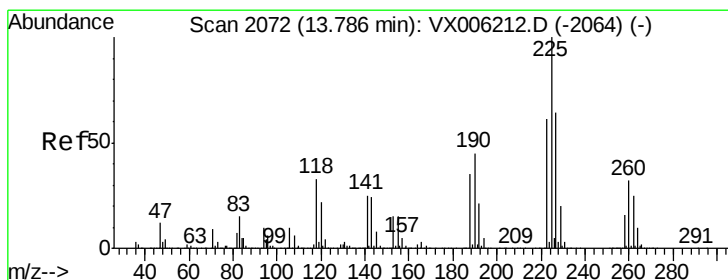
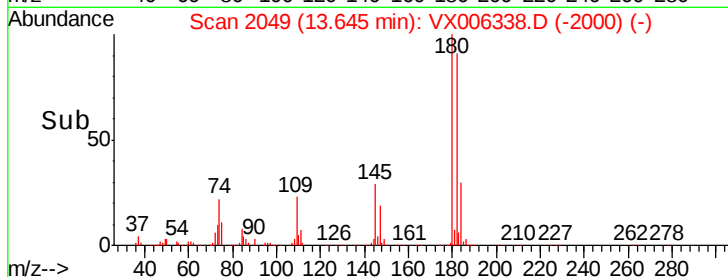
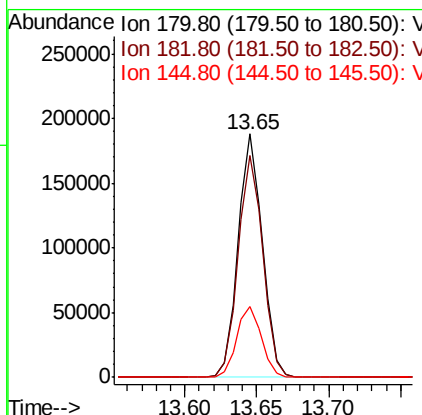
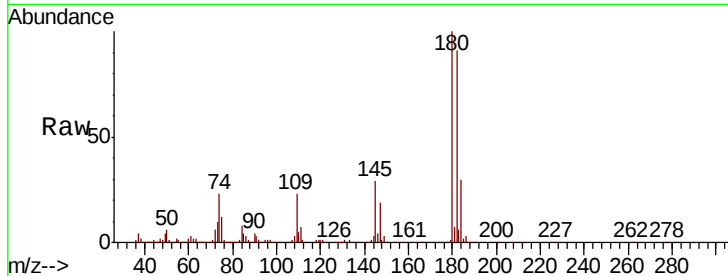




#93
 1,2,4-Trichlorobenzene
 Concen: 19.072 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006338.D
 Acq: 07 Dec 2018 11:12

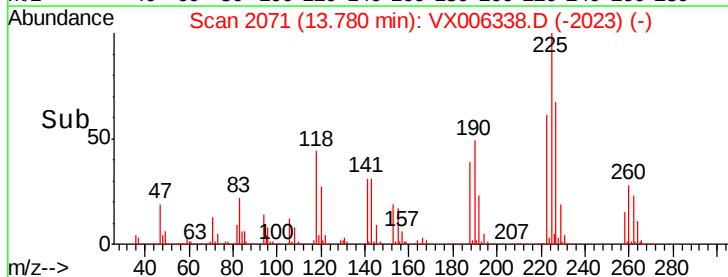
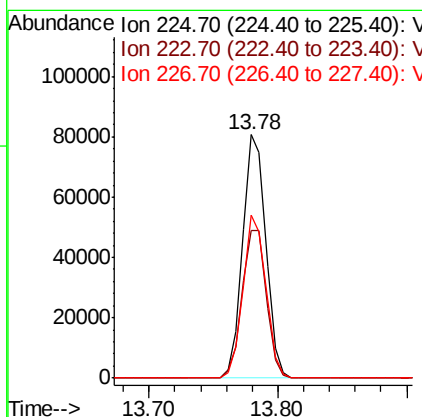
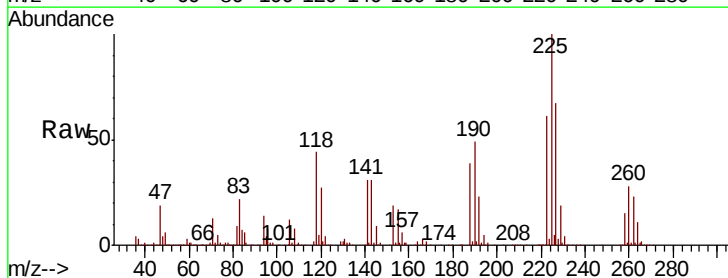
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1207WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.3	141.9
145	29.9	14.6	43.8



#94
 Hexachlorobutadiene
 Concen: 19.469 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006338.D
 Acq: 07 Dec 2018 11:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.2	93.6
227	66.0	31.9	95.5

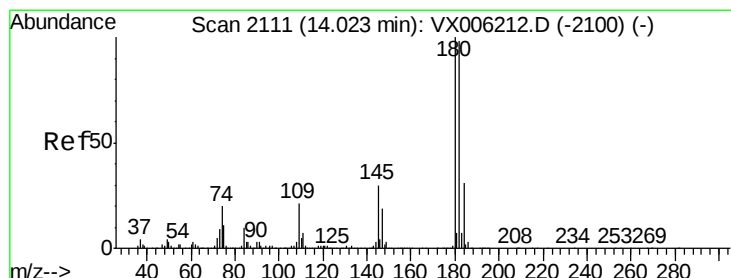
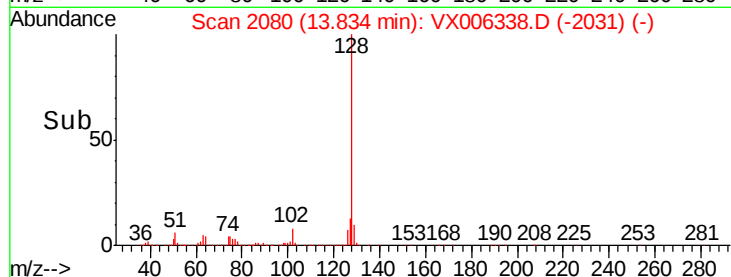
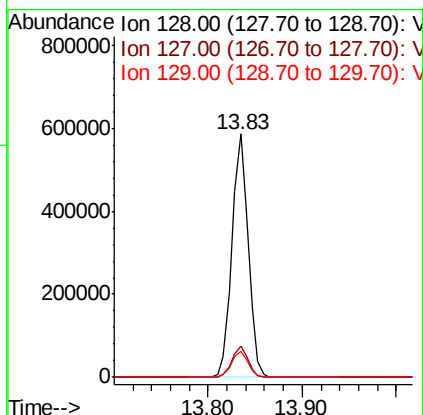
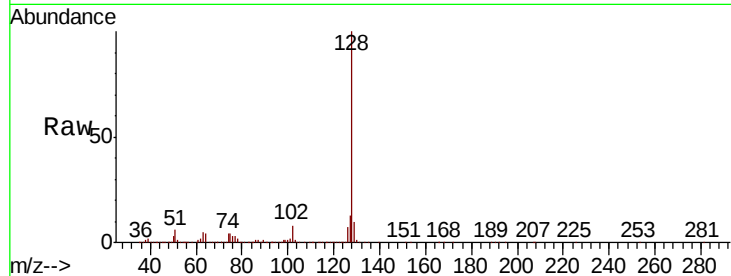




#95
Naphthalene
Concen: 19.503 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

Instrument :
MSVOA_X
ClientSampleId :
VX1207WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 18.931 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX006338.D
Acq: 07 Dec 2018 11:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.4	145.2
145	32.3	15.6	46.8

