

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006610.D
 Acq On : 18 Dec 2018 21:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 19 06:03:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	598556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	929414	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	862829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	455691	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	319347	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	5.50	113	294476	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	8.71	98	1100527	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
62) 4-Bromofluorobenzene	11.14	95	419603	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	261898	47.829	ug/l	98
3) Chloromethane	1.33	50	287917	48.805	ug/l	97
4) Vinyl Chloride	1.41	62	313119	50.821	ug/l	98
5) Bromomethane	1.64	94	308092	53.727	ug/l	99
6) Chloroethane	1.72	64	200104	46.905	ug/l	97
7) Trichlorofluoromethane	1.93	101	488690	50.874	ug/l	100
8) Diethyl Ether	2.19	74	190113	49.828	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	283288	50.227	ug/l	99
10) Methyl Iodide	2.51	142	448872	55.598	ug/l	100
11) Tert butyl alcohol	3.07	59	392119	272.365	ug/l	99
12) 1,1-Dichloroethene	2.37	96	268627	50.230	ug/l	93
13) Acrolein	2.30	56	225198	231.871	ug/l	98
14) Allyl chloride	2.73	41	458031	50.882	ug/l	97
15) Acrylonitrile	3.15	53	852425	266.671	ug/l	100
16) Acetone	2.45	43	709283	239.317	ug/l	96
17) Carbon Disulfide	2.57	76	672222	47.498	ug/l	99
18) Methyl Acetate	2.78	43	463257	53.157	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	920886	51.881	ug/l	100
20) Methylene Chloride	2.85	84	300663	49.059	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	286379	48.330	ug/l	91
22) Diisopropyl ether	3.87	45	846274	51.388	ug/l	99
23) Vinyl Acetate	3.82	43	3449219	256.056	ug/l	99
24) 1,1-Dichloroethane	3.70	63	486429	49.480	ug/l	98
25) 2-Butanone	4.70	43	1054551	252.955	ug/l	97
26) 2,2-Dichloropropane	4.59	77	344155	45.320	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	328072	50.182	ug/l	97
28) Bromochloromethane	5.02	49	223973	54.202	ug/l	99
29) Tetrahydrofuran	5.15	42	715827	260.700	ug/l	98
30) Chloroform	5.22	83	517906	50.873	ug/l	100
31) Cyclohexane	5.57	56	438999	49.154	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	447357	52.042	ug/l	99
36) 1,1-Dichloropropene	5.80	75	379922	49.355	ug/l	99
37) Ethyl Acetate	4.85	43	404300	50.462	ug/l	98
38) Carbon Tetrachloride	5.78	117	373899	49.980	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	483118	47.672	ug/l	98
40) Benzene	6.15	78	1169451	49.980	ug/l	100
41) Methacrylonitrile	5.06	41	223754	49.698	ug/l	99
42) 1,2-Dichloroethane	6.20	62	394485	49.477	ug/l	99
43) Isopropyl Acetate	6.46	43	638311	52.362	ug/l	99
44) Trichloroethene	7.21	130	343408	48.490	ug/l	95
45) 1,2-Dichloropropane	7.52	63	290131	50.954	ug/l	98
46) Dibromomethane	7.66	93	209116	49.929	ug/l	95
47) Bromodichloromethane	7.90	83	355896	51.183	ug/l	99
48) Methyl methacrylate	7.77	41	330806	53.363	ug/l	98
49) 1,4-Dioxane	7.75	88	178202	1100.665	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2114682	272.636	ug/l	99
52) Toluene	8.79	92	771098	51.011	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	390457	52.358	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	440787	53.868	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	314676	50.858	ug/l	98
56) Ethyl methacrylate	9.18	69	469731	53.714	ug/l	99
57) 1,3-Dichloropropane	9.37	76	500555	50.283	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1197132	257.525	ug/l	99
59) 2-Hexanone	9.49	43	1607204	270.820	ug/l	99
60) Dibromochloromethane	9.58	129	308595	47.794	ug/l	99
61) 1,2-Dibromoethane	9.67	107	344462	52.371	ug/l	98
64) Tetrachloroethene	9.34	164	328601	48.095	ug/l	98
65) Chlorobenzene	10.14	112	902883	49.462	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	304277	53.427	ug/l	99
67) Ethyl Benzene	10.25	91	1496545	50.172	ug/l	98
68) m/p-Xylenes	10.36	106	1191277	101.212	ug/l	99
69) o-Xylene	10.70	106	590137	50.775	ug/l	100
70) Styrene	10.71	104	962434	52.341	ug/l	99
71) Bromoform	10.86	173	229560	45.161	ug/l #	100
73) Isopropylbenzene	11.02	105	1555807	49.906	ug/l	100
74) N-amyl acetate	10.90	43	590080	52.881	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	481277	51.910	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	540996	67.737	ug/l	86
77) Bromobenzene	11.26	156	424932	50.418	ug/l	98
78) n-propylbenzene	11.36	91	1733956	50.509	ug/l	100
79) 2-Chlorotoluene	11.42	91	1033064	49.657	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1292673	50.343	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	121756	44.283	ug/l #	81
82) 4-Chlorotoluene	11.51	91	1191414	49.926	ug/l	100
83) tert-Butylbenzene	11.77	119	1321850	51.435	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1330712	49.270	ug/l	100
85) sec-Butylbenzene	11.94	105	1581787	50.202	ug/l	99
86) p-Isopropyltoluene	12.07	119	1422654	51.364	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	767681	50.539	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	764514	49.038	ug/l	99
89) n-Butylbenzene	12.39	91	1197300	50.794	ug/l	99
90) Hexachloroethane	12.60	117	200889	46.584	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	751146	49.434	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	99482	51.857	ug/l	95

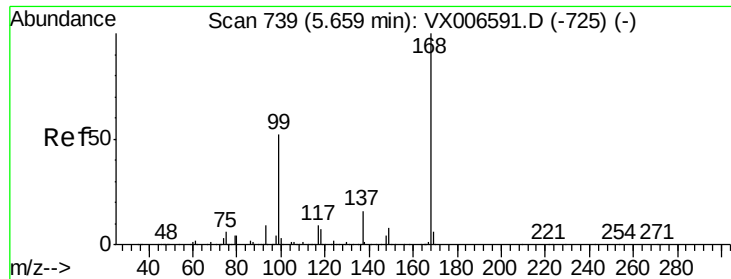
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121818\
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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:23:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	525320	50.119	ug/l	98
94) Hexachlorobutadiene	13.78	225	240534	48.687	ug/l	100
95) Naphthalene	13.83	128	1690972	50.547	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	532979	49.250	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

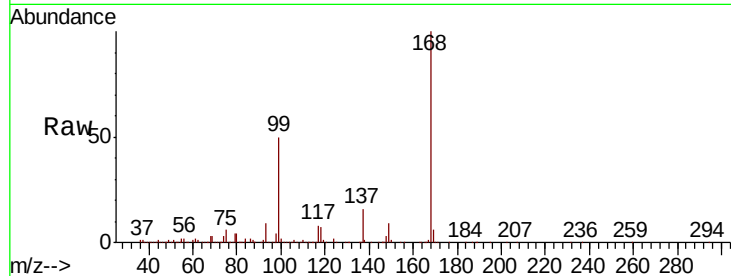
VSTDCCC050

Tot Ion:168 Resp: 598556

Ion Ratio Lower Upper

168 100

99 49.9 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

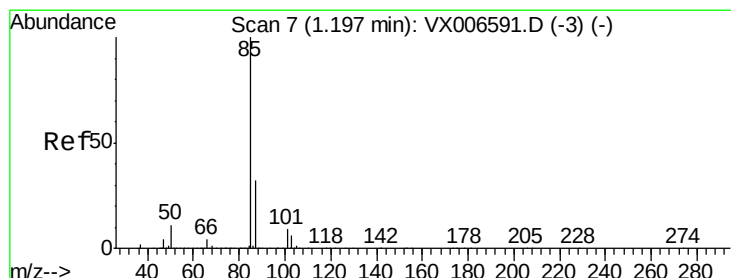
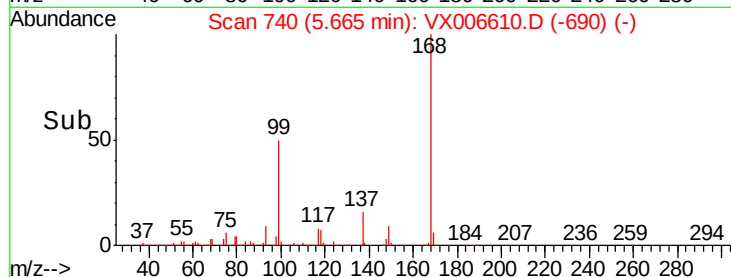
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 47.829 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006610.D

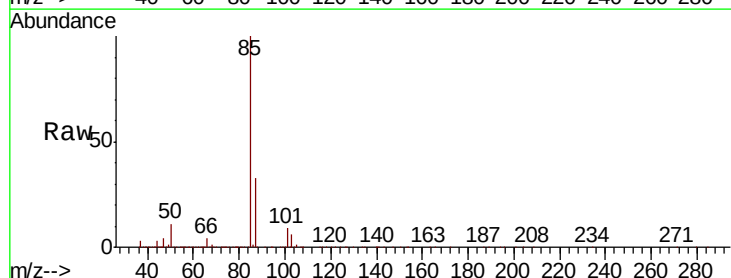
Acq: 18 Dec 2018 21:11

Tgt Ion: 85 Resp: 261898

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

250000

200000

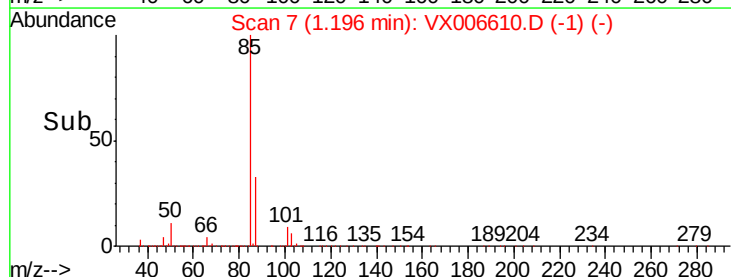
150000

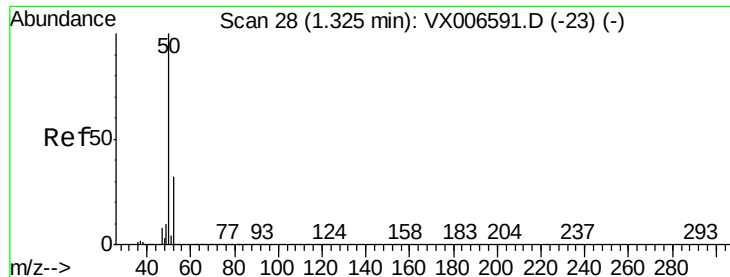
100000

50000

0

Time--> 1.15 1.20 1.25 1.30

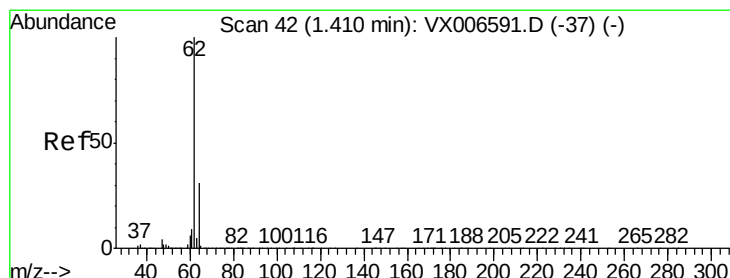
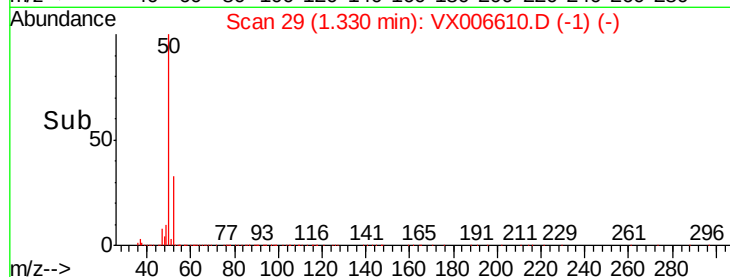
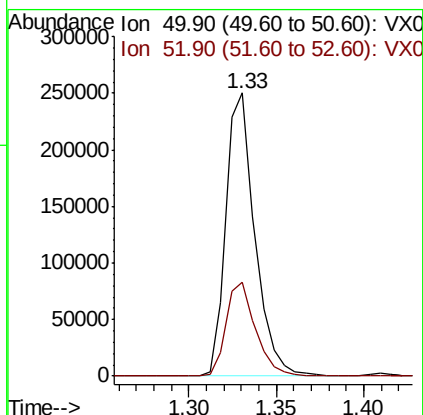
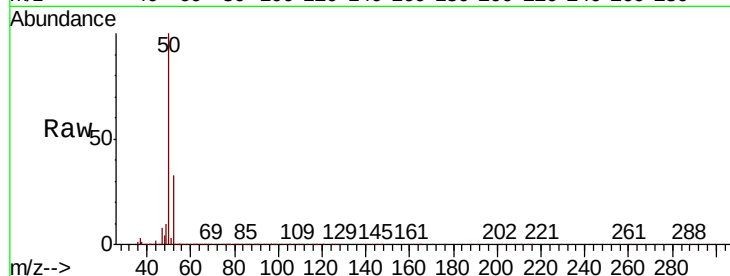




#3
Chloromethane
Concen: 48.805 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.01 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

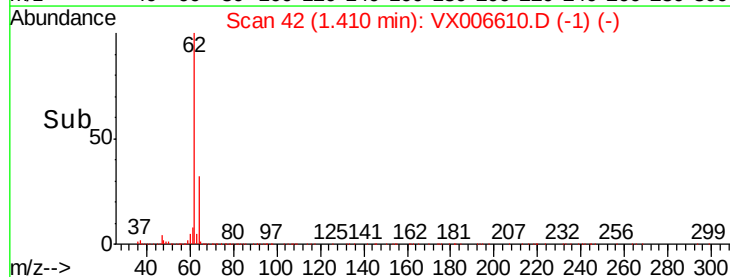
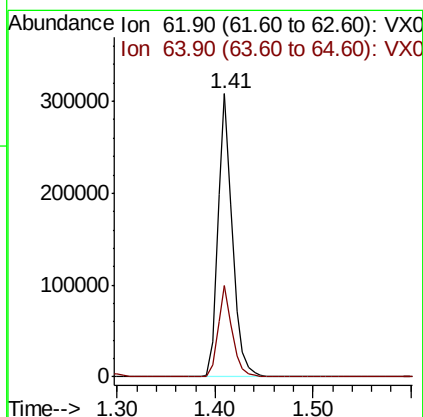
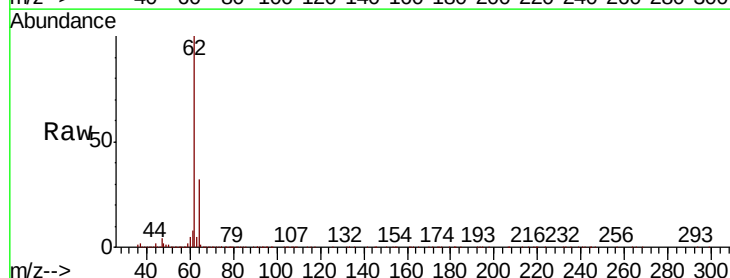
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

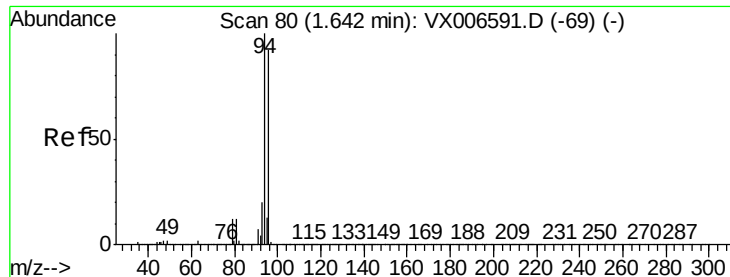
Tot Ion: 50 Resp: 287917
Ion Ratio Lower Upper
50 100
52 33.0 25.2 37.8



#4
Vinyl Chloride
Concen: 50.821 ug/l
RT: 1.41 min Scan# 42
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion: 62 Resp: 313119
Ion Ratio Lower Upper
62 100
64 32.4 24.9 37.3





#5

Bromomethane

Concen: 53.727 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

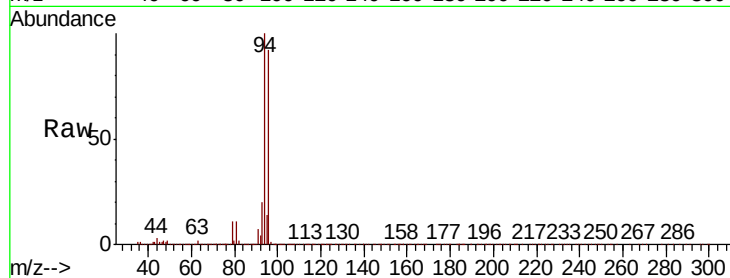
VSTDCCC050

Tot Ion: 94 Resp: 308092

Ion Ratio Lower Upper

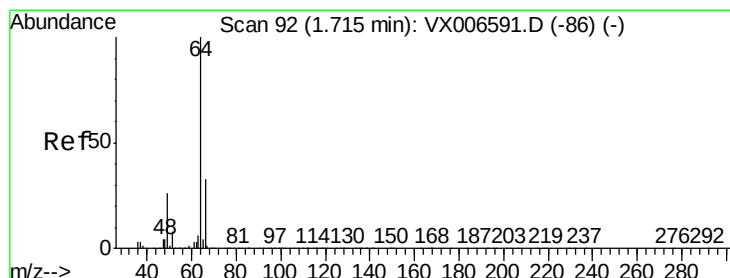
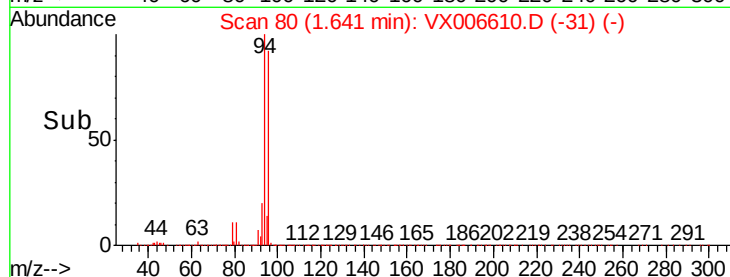
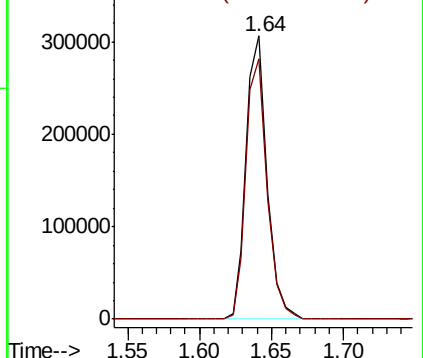
94 100

96 91.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 46.905 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006610.D

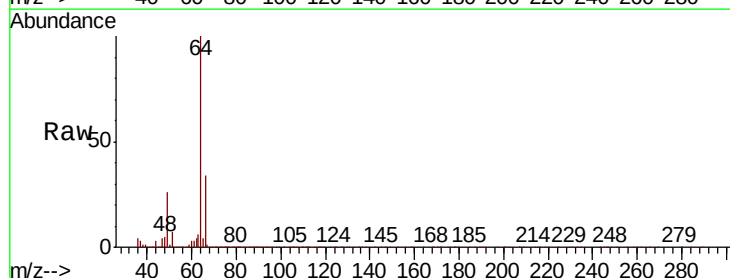
Acq: 18 Dec 2018 21:11

Tgt Ion: 64 Resp: 200104

Ion Ratio Lower Upper

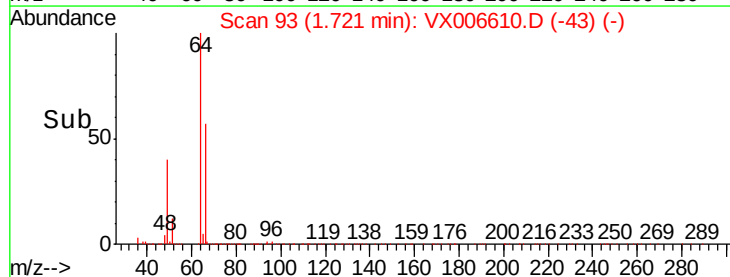
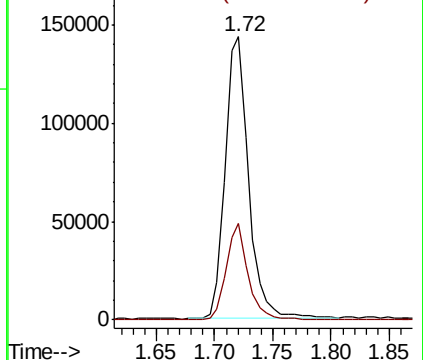
64 100

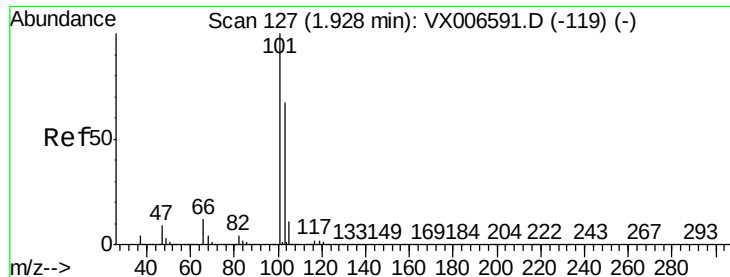
66 33.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



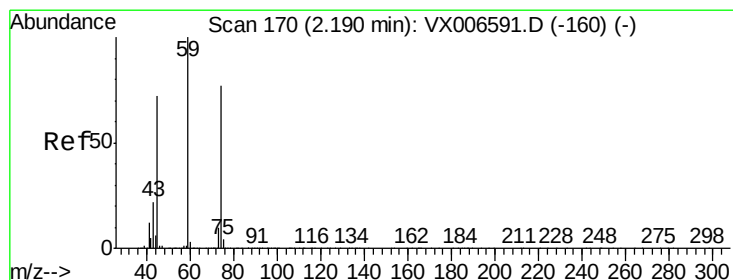
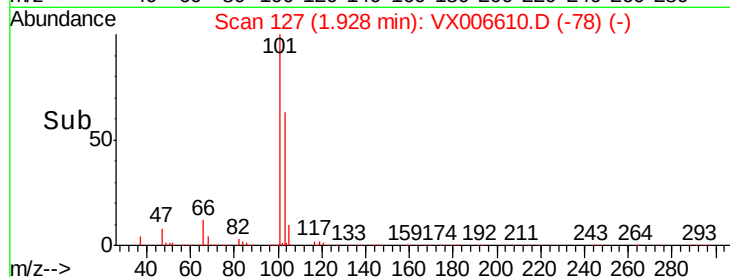
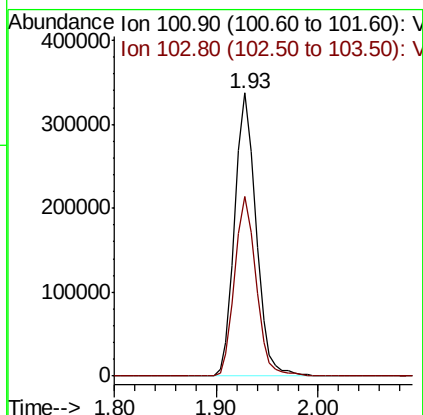
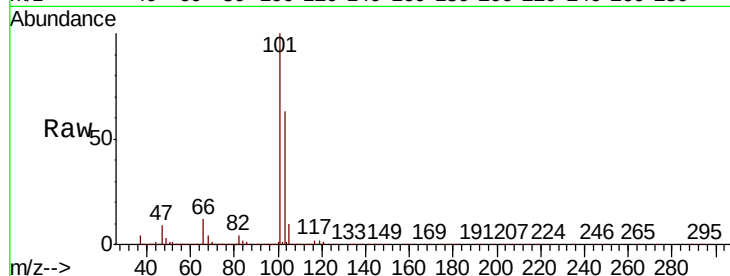


#7

Trichlorofluoromethane
Concen: 50.874 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

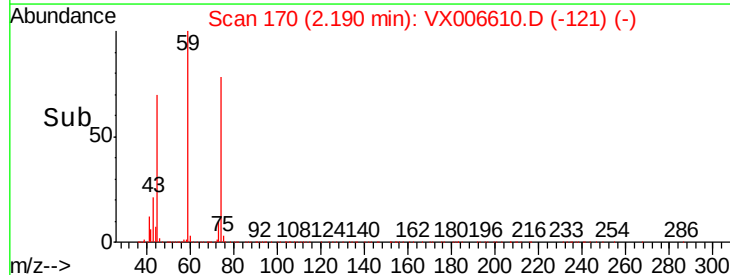
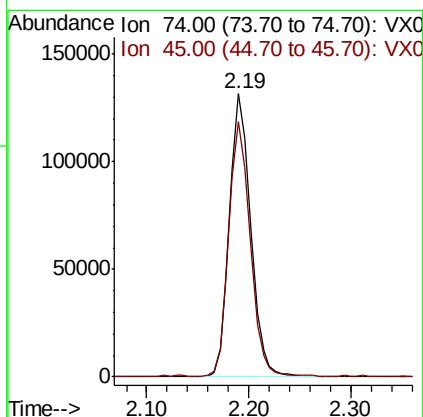
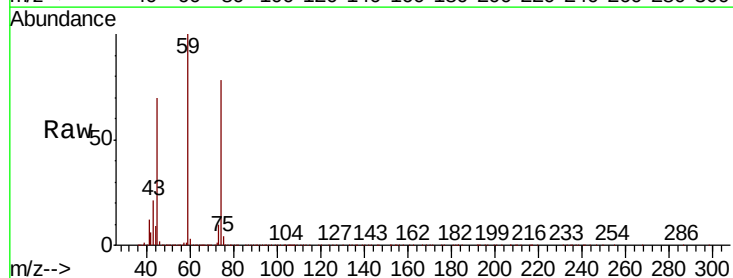
Tot Ion:101 Resp: 488690
Ion Ratio Lower Upper
101 100
103 63.4 51.0 76.4

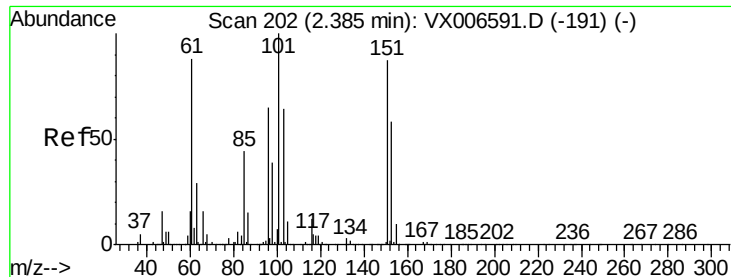


#8

Diethyl Ether
Concen: 49.828 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion: 74 Resp: 190113
Ion Ratio Lower Upper
74 100
45 90.1 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.227 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

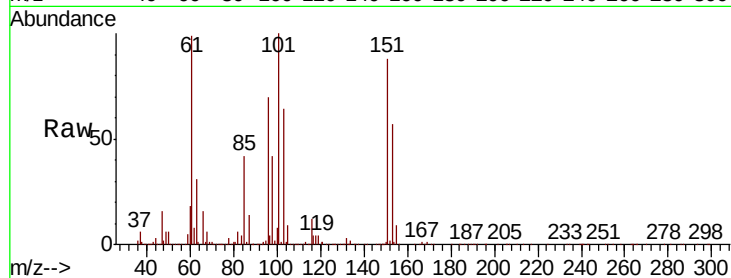
Tot Ion:101 Resp: 283288

Ion Ratio Lower Upper

101 100

85 42.7 35.5 53.3

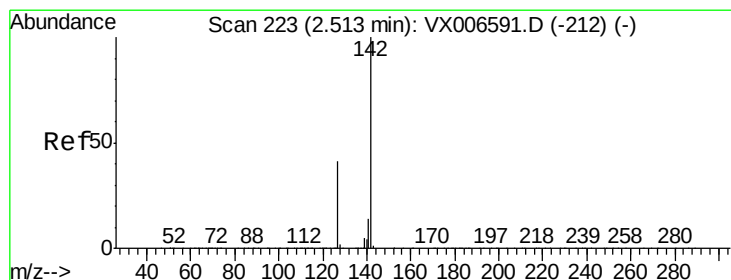
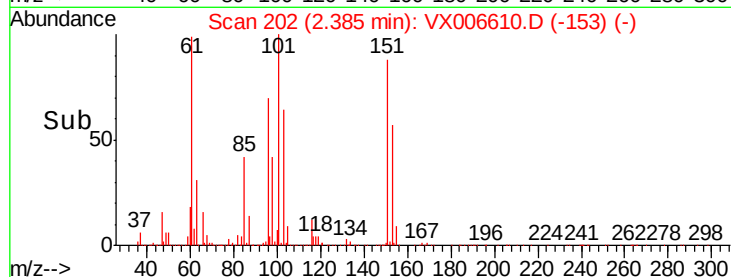
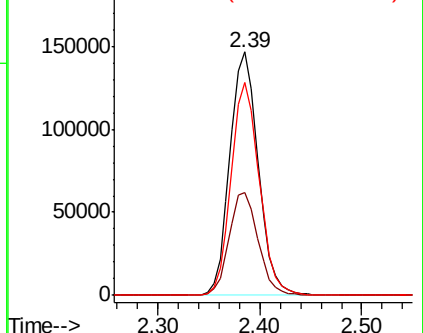
151 86.4 68.6 103.0



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: 55.598 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

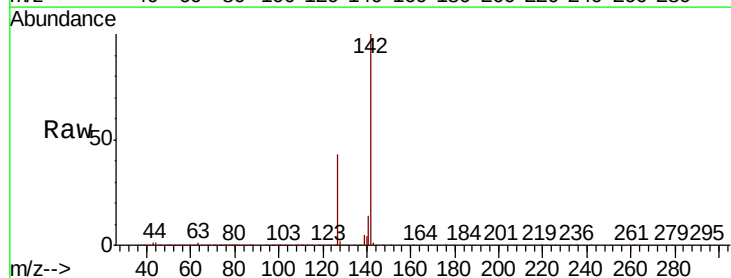
Tgt Ion:142 Resp: 448872

Ion Ratio Lower Upper

142 100

127 43.3 34.8 52.2

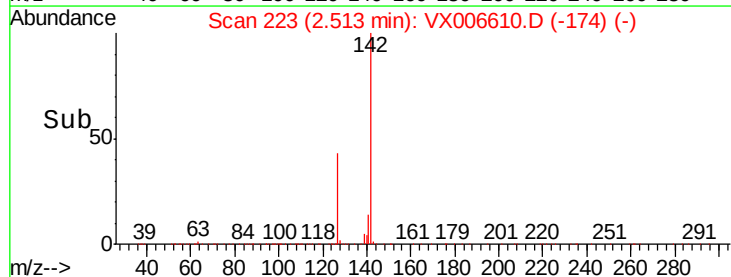
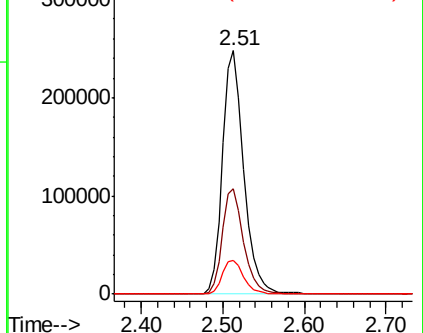
141 14.2 11.4 17.2

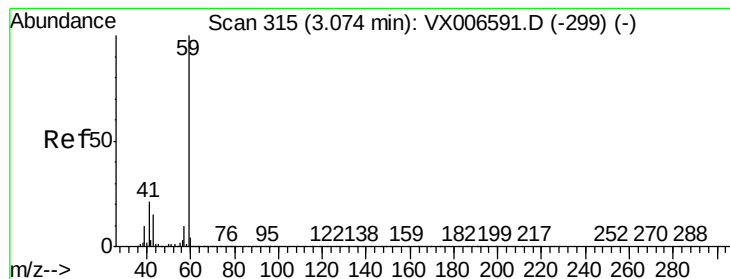


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



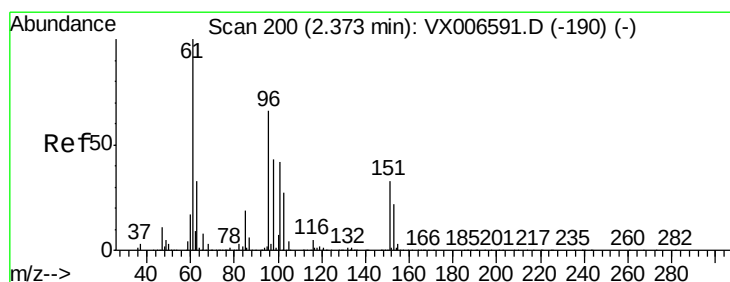
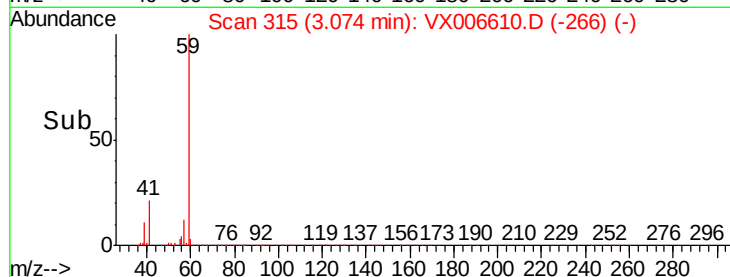
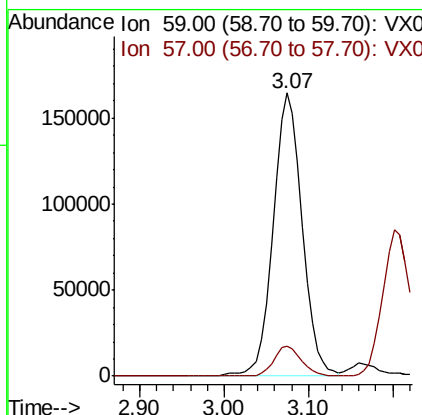
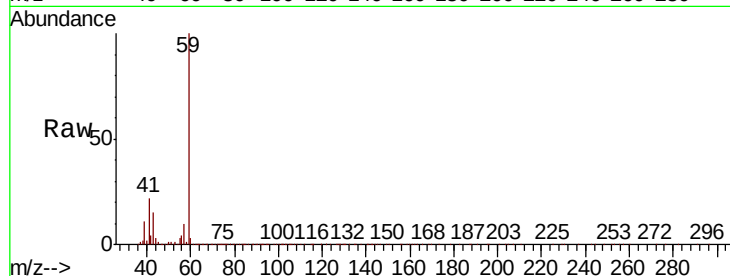


#11

Tert butyl alcohol
 Concen: 272.365 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

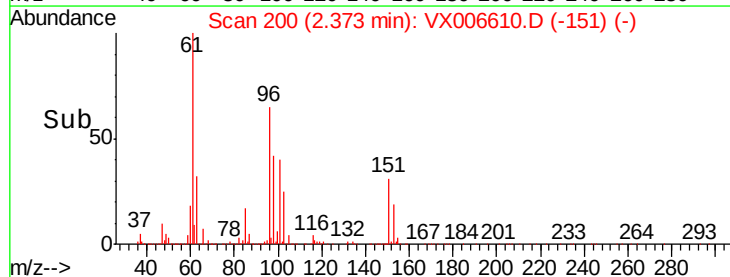
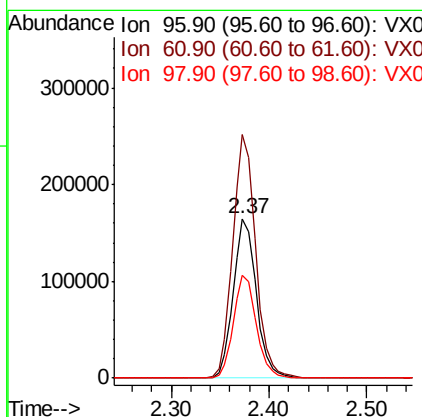
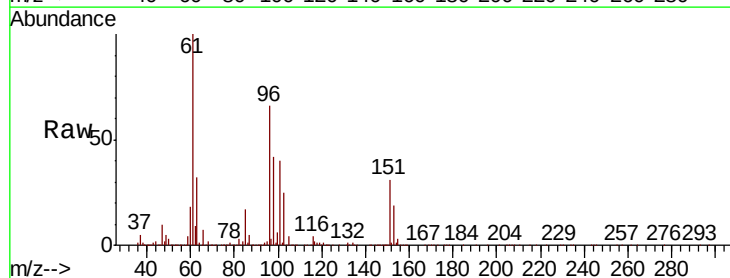
Tot Ion: 59 Resp: 392119
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.2 12.2

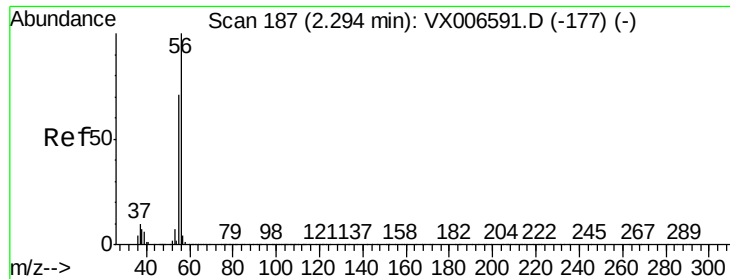


#12

1,1-Dichloroethene
 Concen: 50.230 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

Tgt Ion: 96 Resp: 268627
 Ion Ratio Lower Upper
 96 100
 61 152.5 131.7 197.5
 98 64.1 51.8 77.6

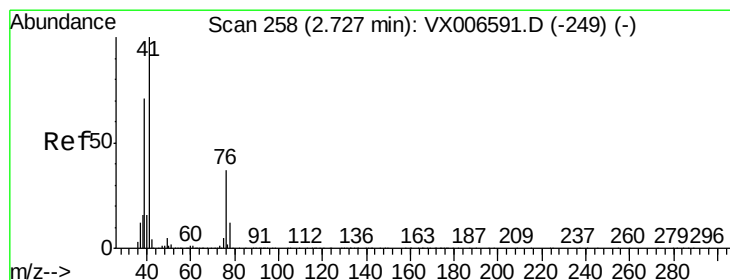
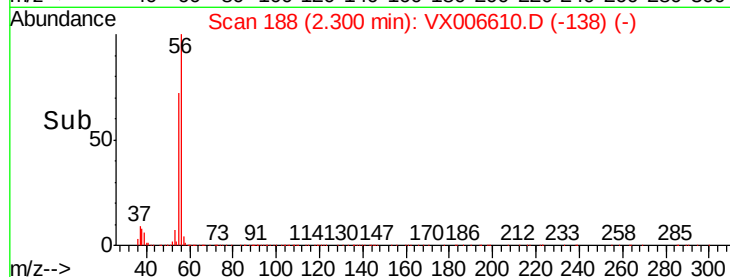
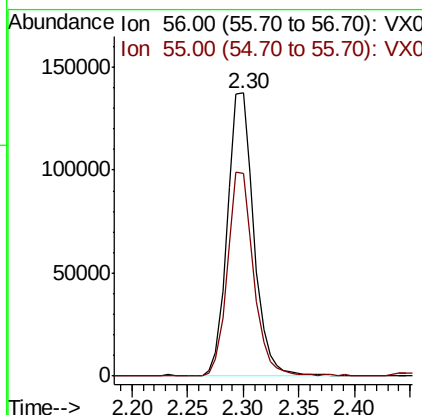
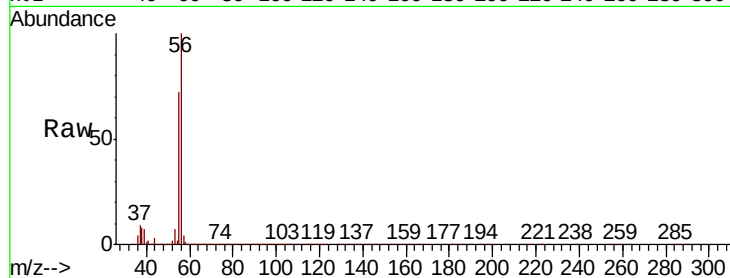




#13
Acrolein
Concen: 231.871 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

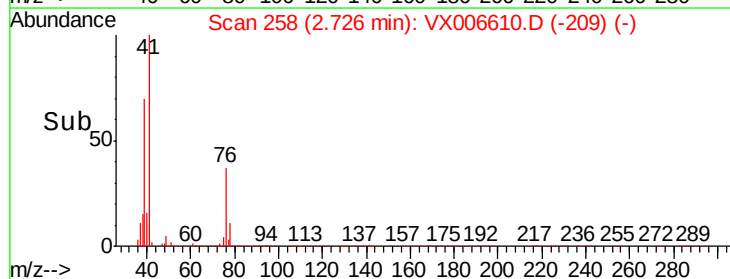
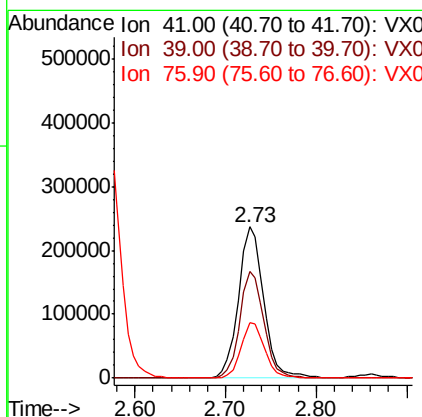
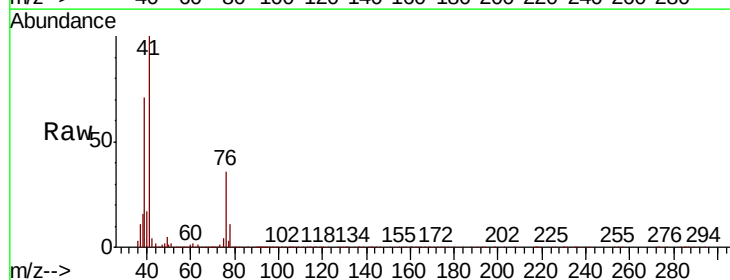
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

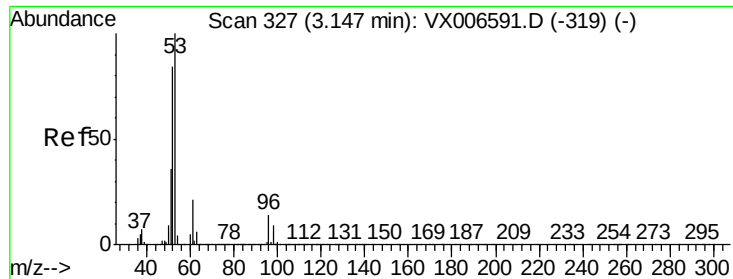
Tot Ion: 56 Resp: 225198
Ion Ratio Lower Upper
56 100
55 70.9 57.8 86.6



#14
Allyl chloride
Concen: 50.882 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion: 41 Resp: 458031
Ion Ratio Lower Upper
41 100
39 67.0 52.4 78.6
76 33.8 25.4 38.0





#15

Acrylonitrile

Concen: 266.671 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

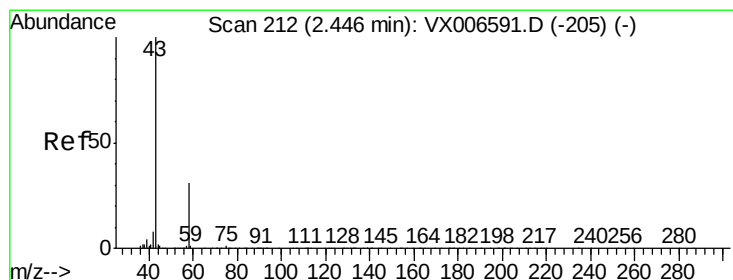
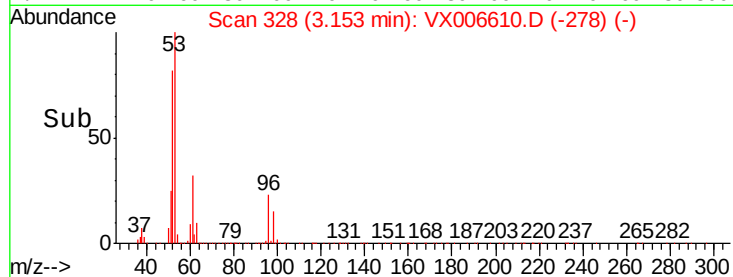
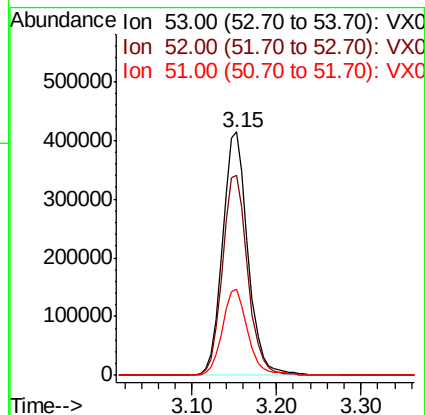
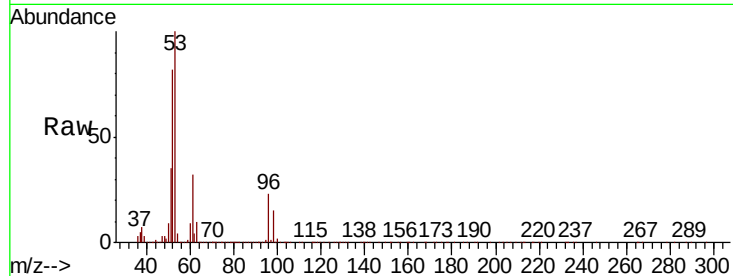
Tot Ion: 53 Resp: 852425

Ion Ratio Lower Upper

53 100

52 82.3 66.2 99.4

51 35.8 28.7 43.1



#16

Acetone

Concen: 239.317 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006610.D

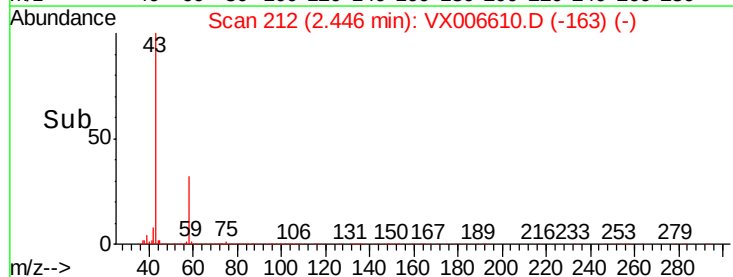
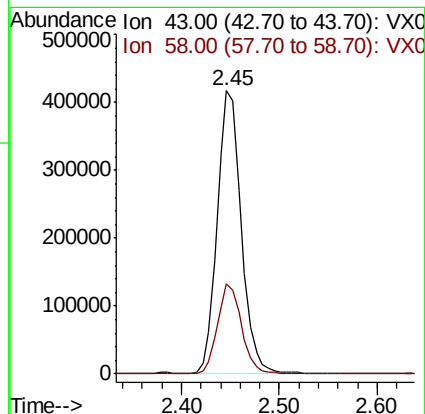
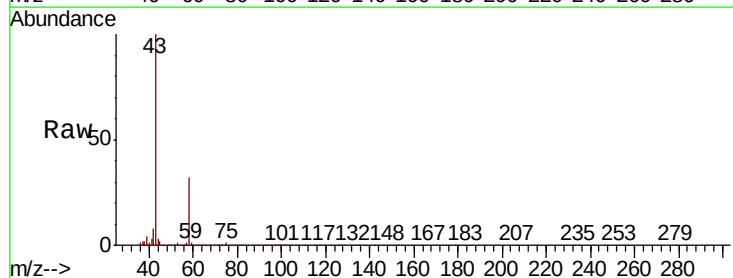
Acq: 18 Dec 2018 21:11

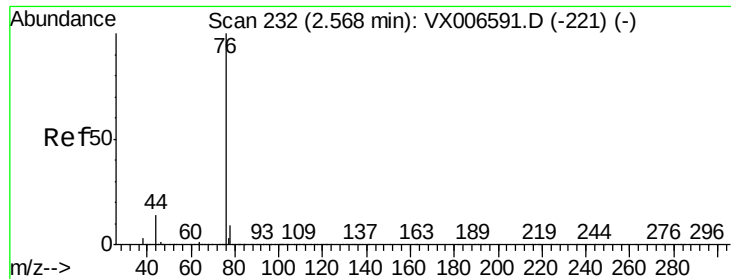
Tgt Ion: 43 Resp: 709283

Ion Ratio Lower Upper

43 100

58 32.0 24.0 36.0





#17

Carbon Disulfide

Concen: 47.498 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

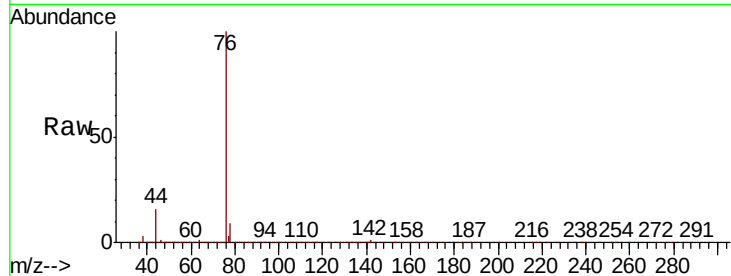
VSTDCCC050

Tot Ion: 76 Resp: 672222

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400000

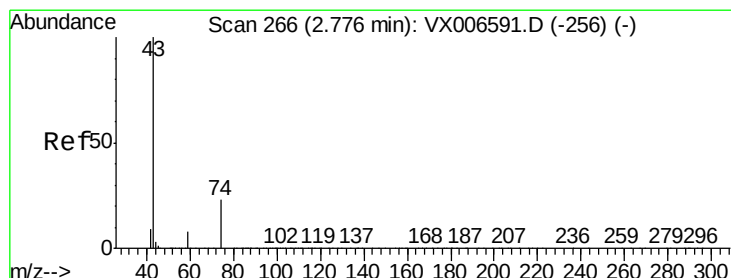
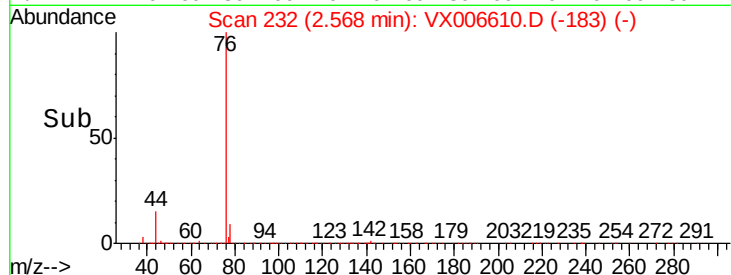
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 53.157 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006610.D

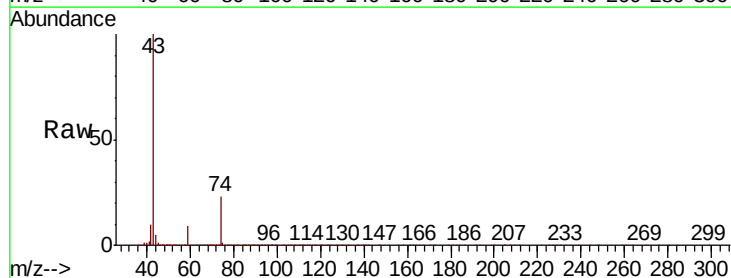
Acq: 18 Dec 2018 21:11

Tgt Ion: 43 Resp: 463257

Ion Ratio Lower Upper

43 100

74 24.5 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

300000

250000

200000

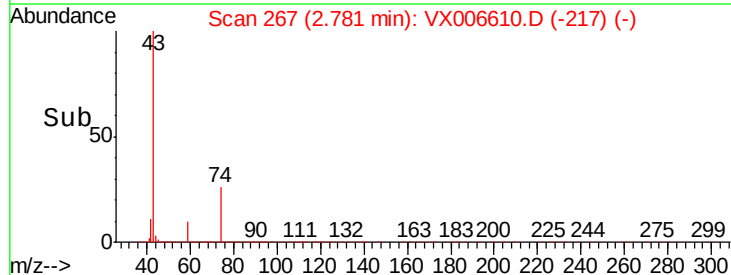
150000

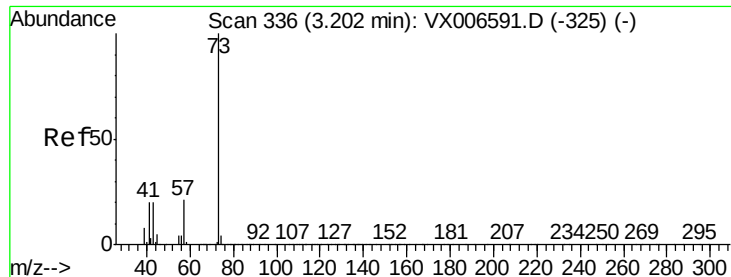
100000

50000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 51.881 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

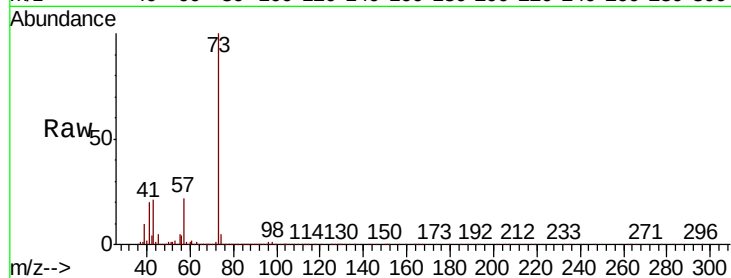
VSTDCCC050

Tot Ion: 73 Resp: 920886

Ion Ratio Lower Upper

73 100

57 21.9 17.5 26.3



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.20

400000

300000

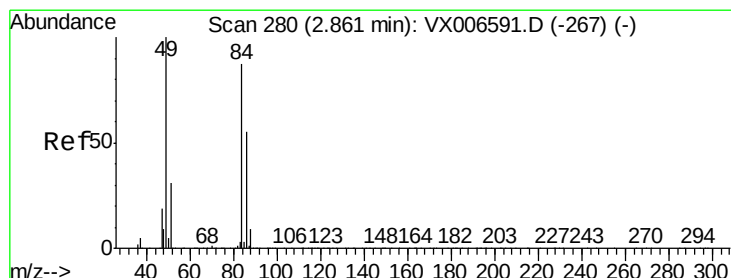
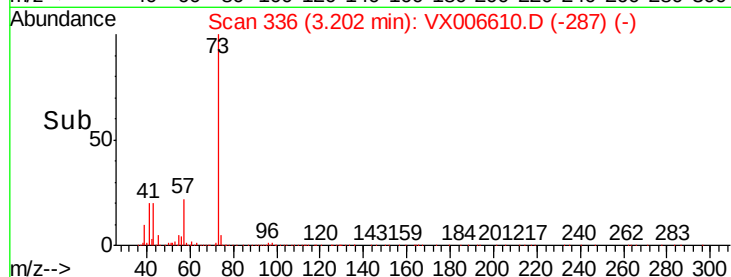
200000

100000

0

3.10 3.20 3.30

Time-->



#20

Methylene Chloride

Concen: 49.059 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Tgt Ion: 84 Resp: 300663

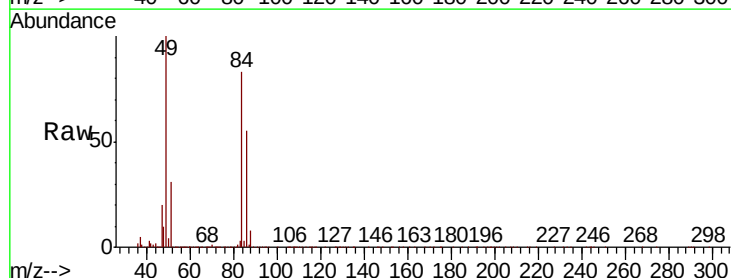
Ion Ratio Lower Upper

84 100

49 120.3 102.2 153.4

51 37.5 31.1 46.7

86 65.6 53.7 80.5



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

250000

200000

150000

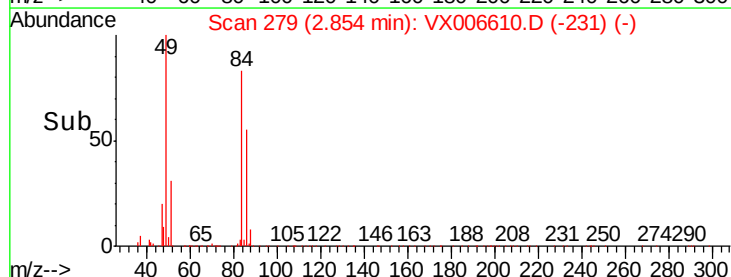
100000

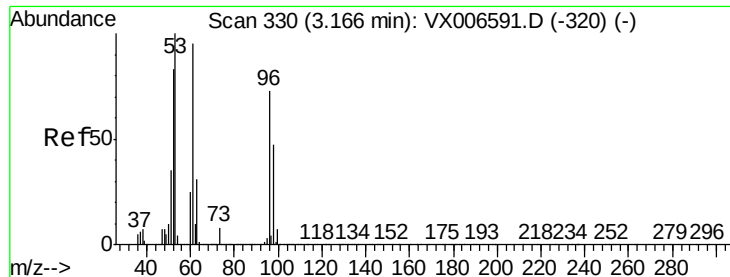
50000

0

2.80 2.90 3.00

Time-->





#21

trans-1,2-Dichloroethene

Concen: 48.330 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

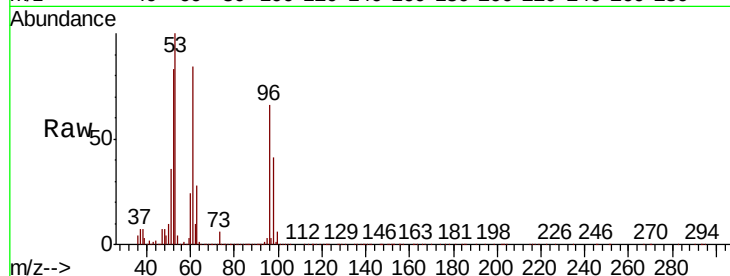
Tot Ion: 96 Resp: 286379

Ion Ratio Lower Upper

96 100

61 128.3 113.3 169.9

98 62.3 53.2 79.8

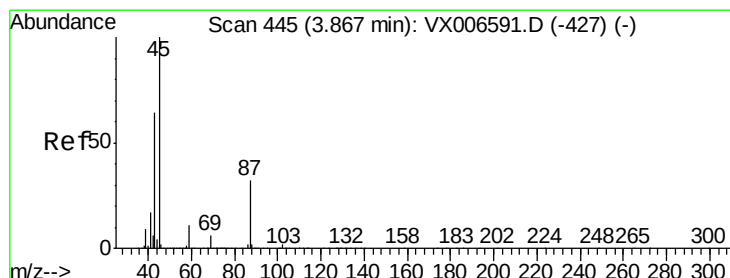
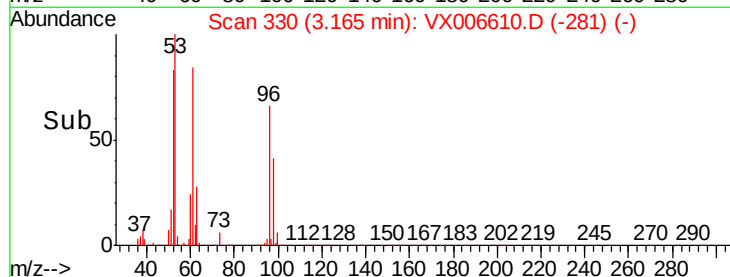
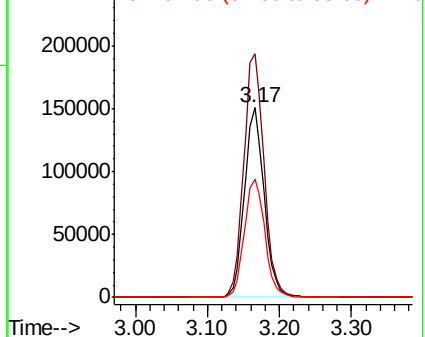


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.388 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Tgt Ion: 45 Resp: 846274

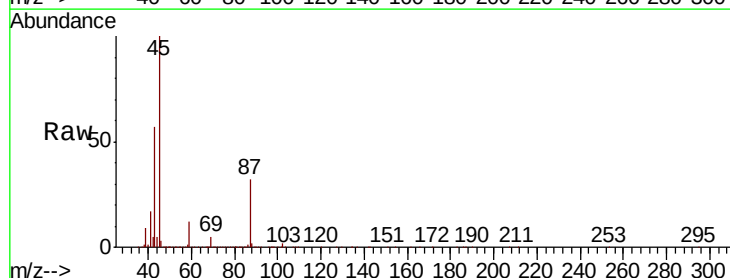
Ion Ratio Lower Upper

45 100

43 57.3 46.2 69.2

87 31.6 24.9 37.3

59 11.9 9.1 13.7



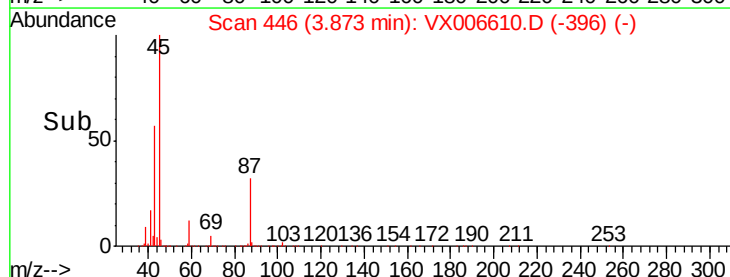
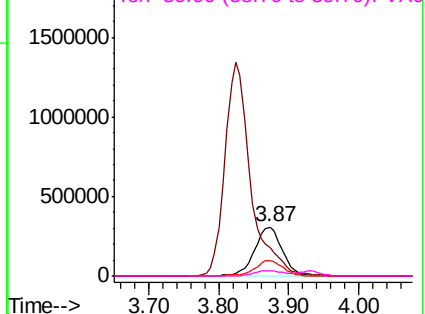
Abundance

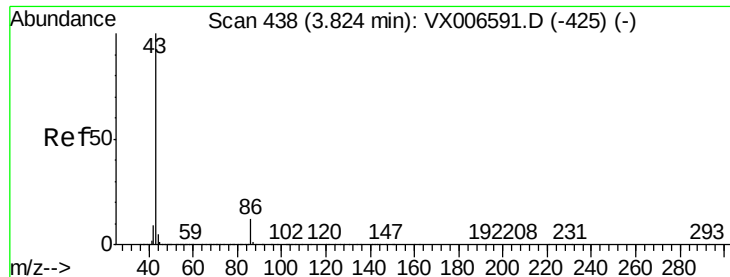
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 256.056 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

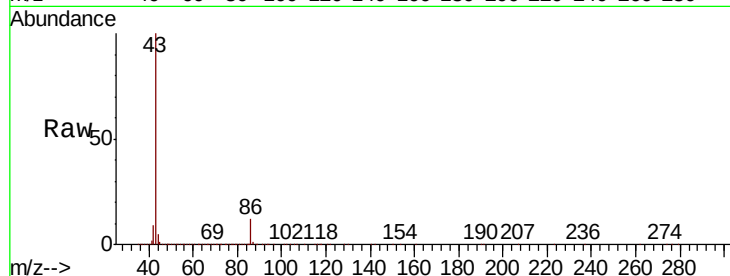
VSTDCCC050

Tot Ion: 43 Resp: 3449219

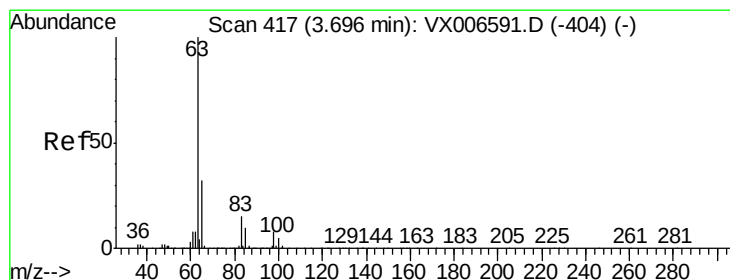
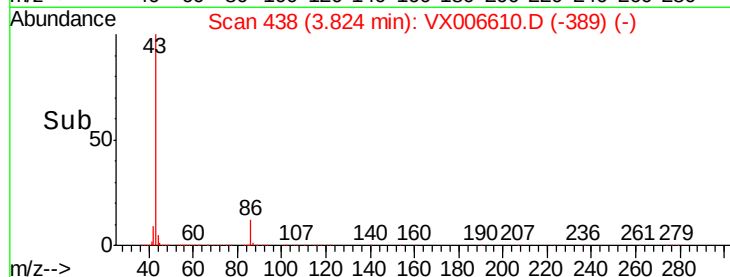
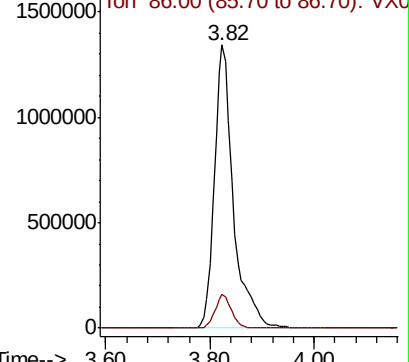
Ion Ratio Lower Upper

43 100

86 12.0 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VX0



#24

1,1-Dichloroethane

Concen: 49.480 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

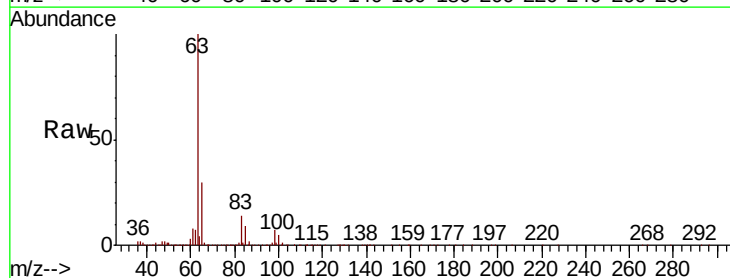
Tgt Ion: 63 Resp: 486429

Ion Ratio Lower Upper

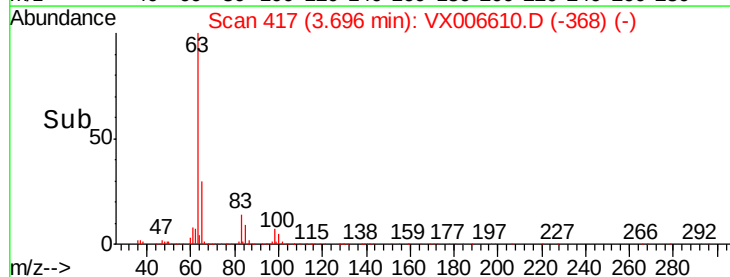
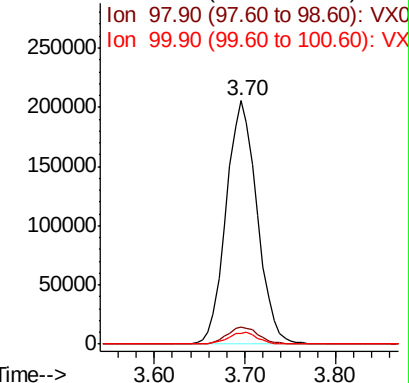
63 100

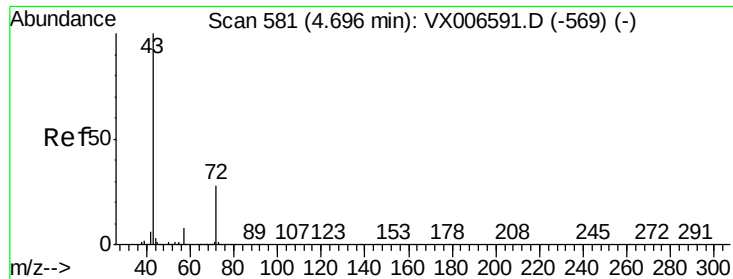
98 6.8 3.8 11.4

100 4.6 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VX0





#25

2-Butanone

Concen: 252.955 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

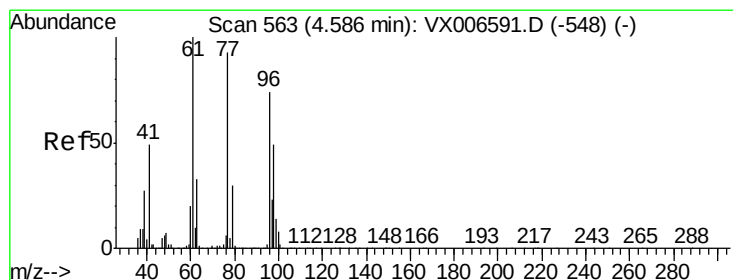
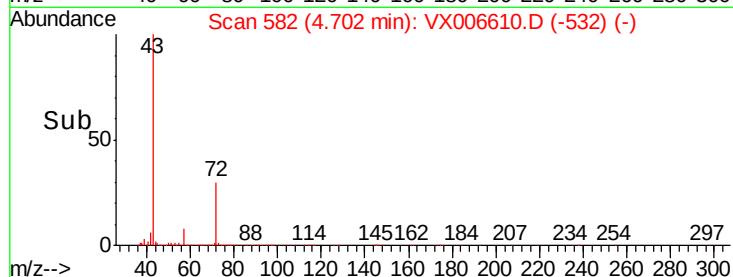
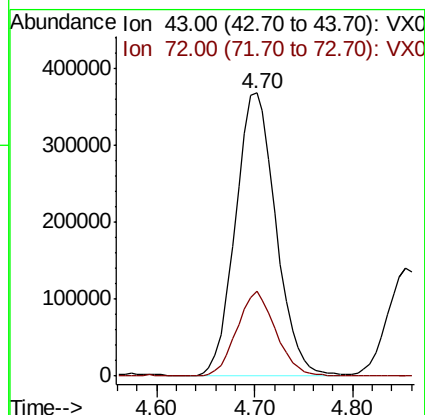
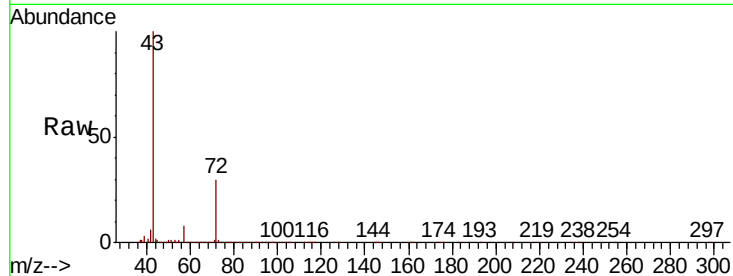
VSTDCCC050

Tot Ion: 43 Resp: 1054551

Ion Ratio Lower Upper

43 100

72 29.9 22.6 33.8



#26

2,2-Dichloropropane

Concen: 45.320 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006610.D

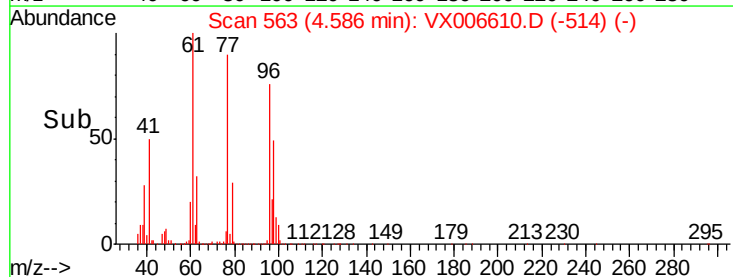
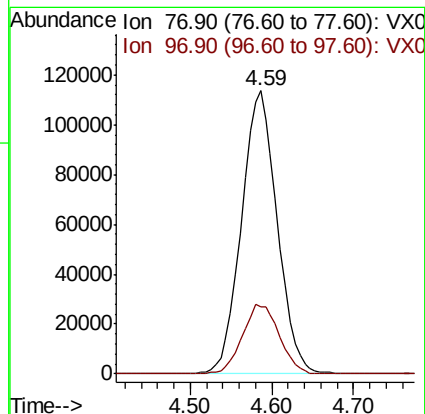
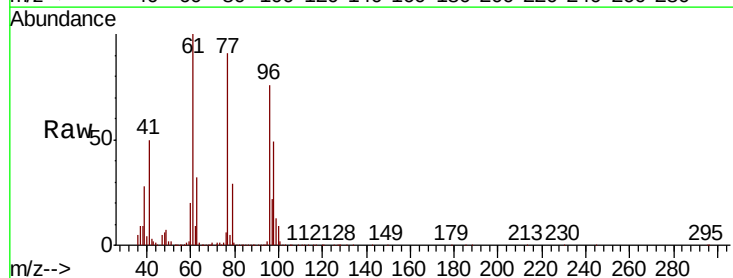
Acq: 18 Dec 2018 21:11

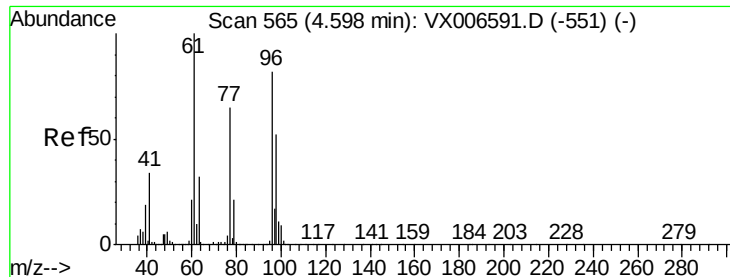
Tgt Ion: 77 Resp: 344155

Ion Ratio Lower Upper

77 100

97 25.5 12.3 36.8



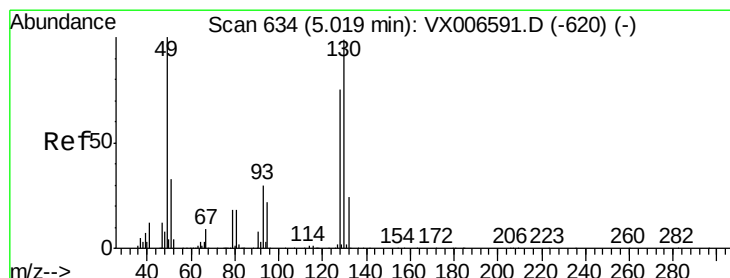
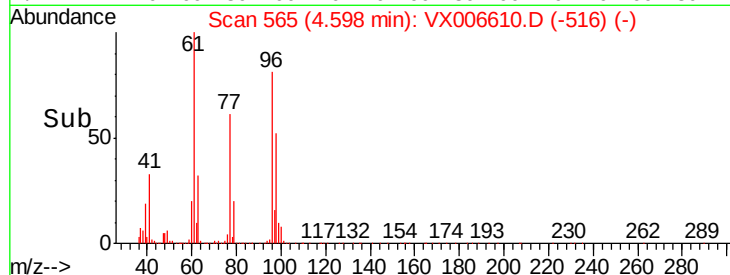
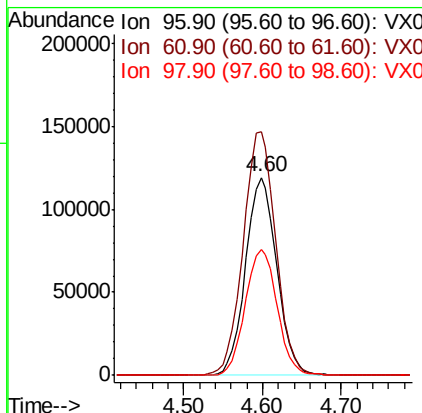
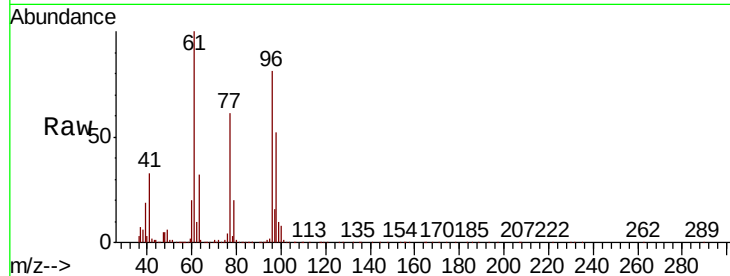


#27

cis-1,2-Dichloroethene
 Concen: 50.182 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

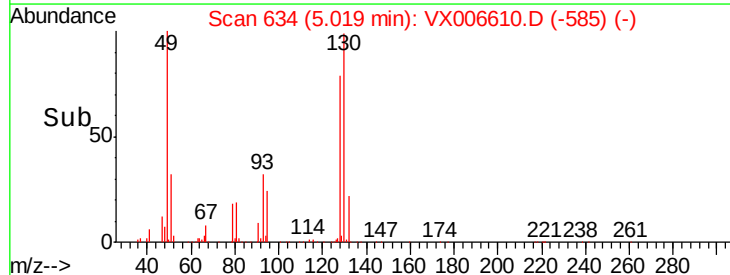
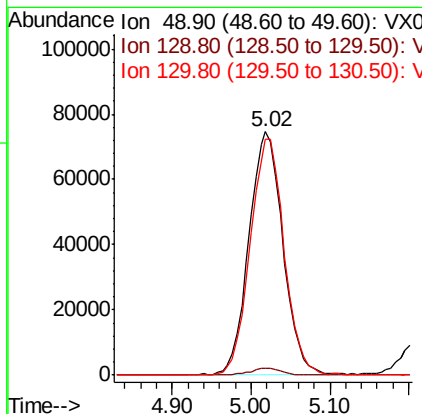
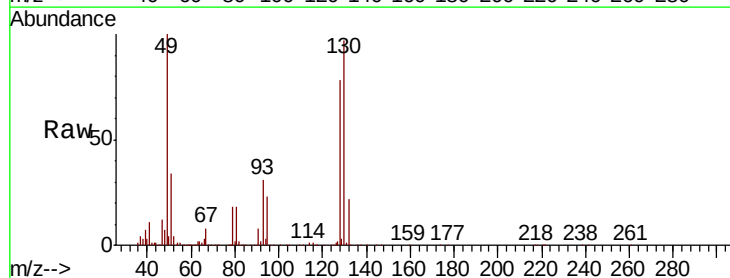
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.1	0.0	265.0
98	65.2	0.0	130.2

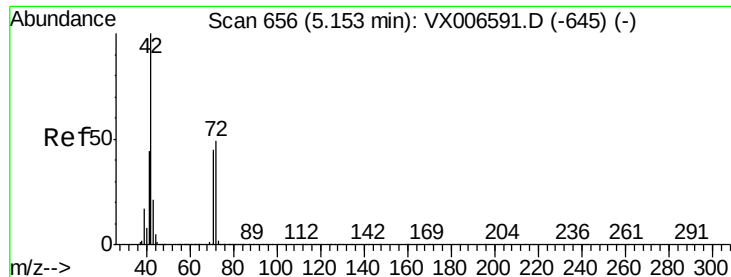


#28

Bromochloromethane
 Concen: 54.202 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.0
130	96.6	78.3	117.5





#29

Tetrahydrofuran

Concen: 260.700 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

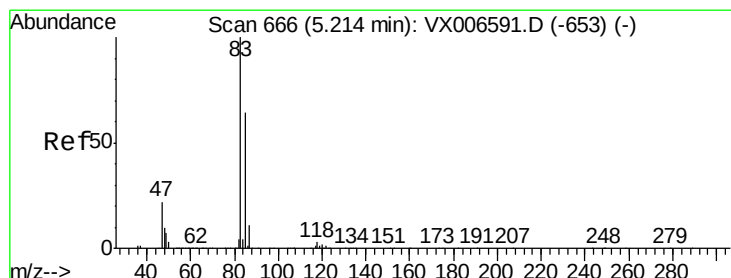
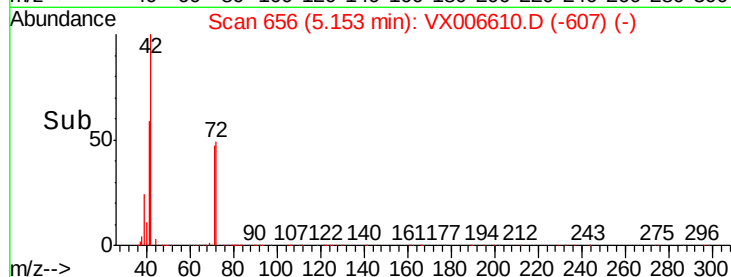
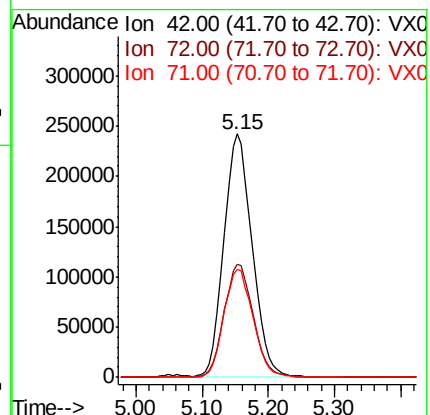
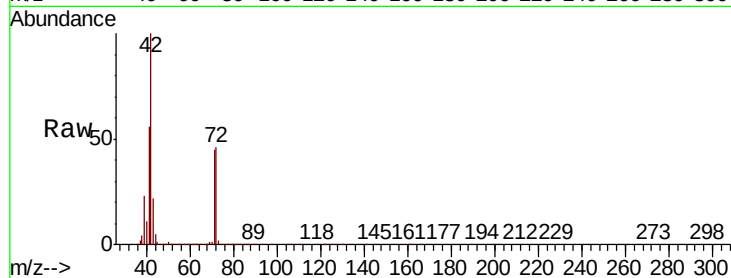
Tot Ion: 42 Resp: 715827

Ion Ratio Lower Upper

42 100

72 48.3 37.8 56.8

71 45.8 35.2 52.8



#30

Chloroform

Concen: 50.873 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX006610.D

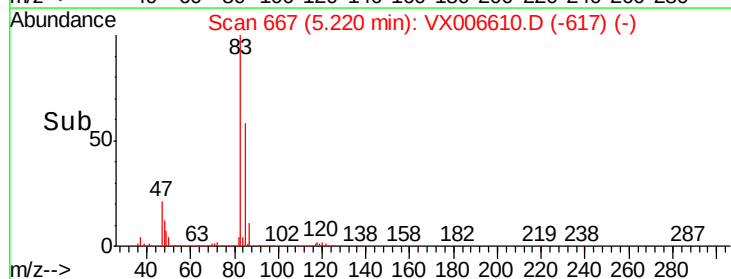
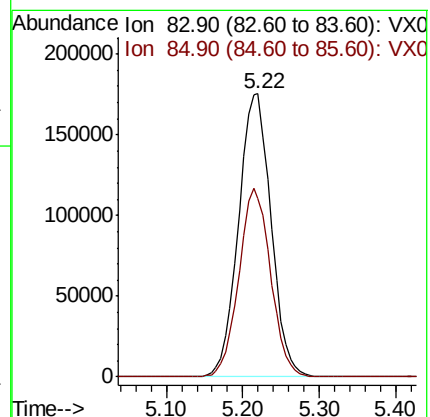
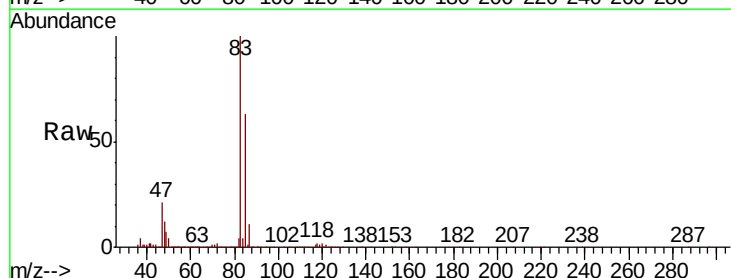
Acq: 18 Dec 2018 21:11

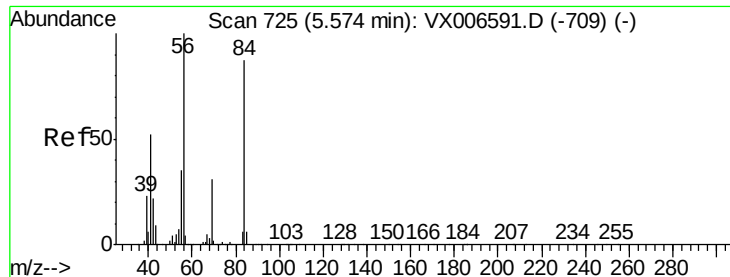
Tgt Ion: 83 Resp: 517906

Ion Ratio Lower Upper

83 100

85 62.9 50.3 75.5

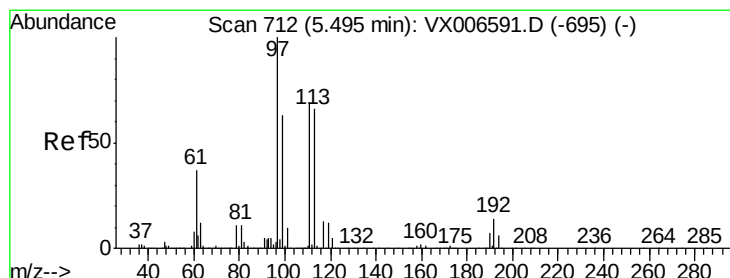
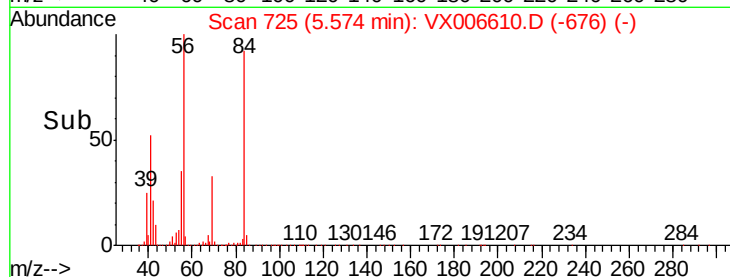
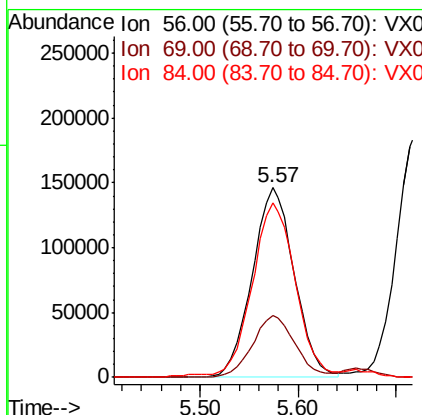
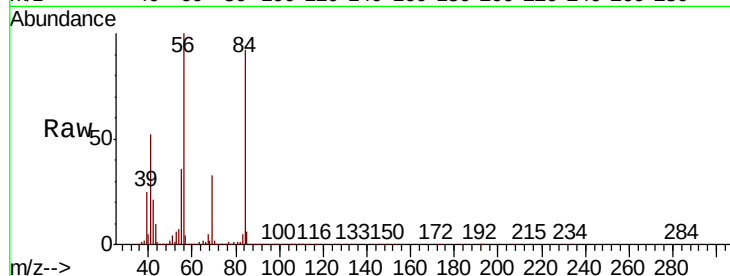




#31
Cyclohexane
Concen: 49.154 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

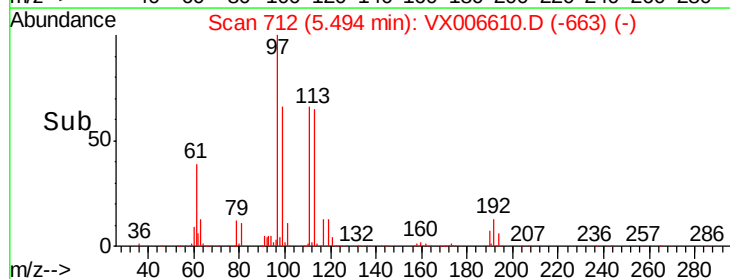
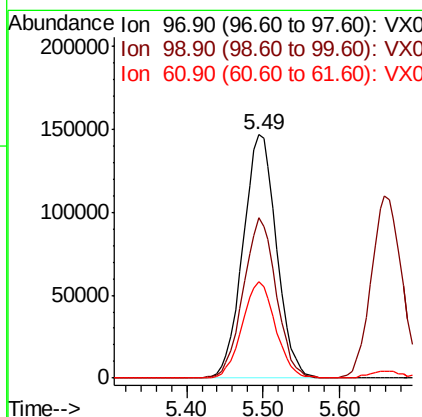
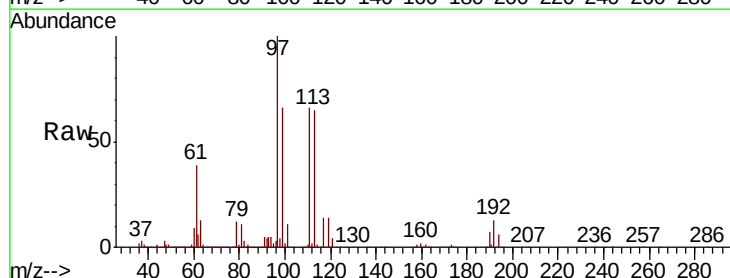
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

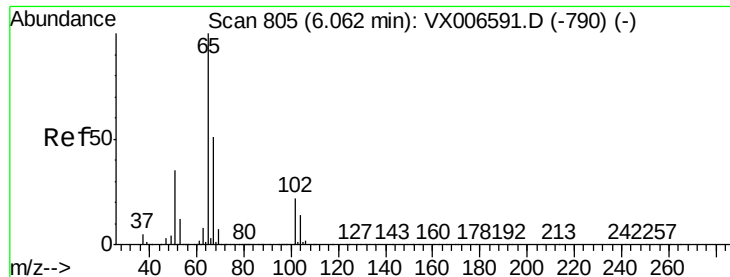
Tot Ion: 56 Resp: 438999
Ion Ratio Lower Upper
56 100
69 32.5 24.5 36.7
84 90.6 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 52.042 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion: 97 Resp: 447357
Ion Ratio Lower Upper
97 100
99 64.8 51.6 77.4
61 39.3 30.6 46.0

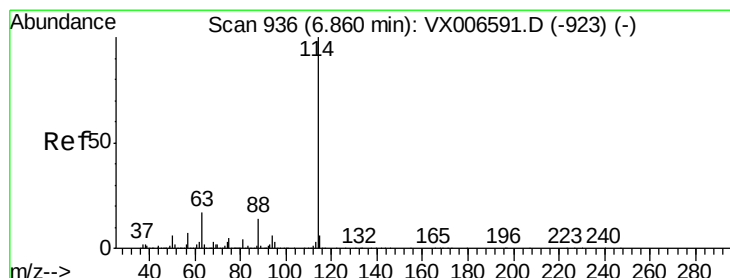
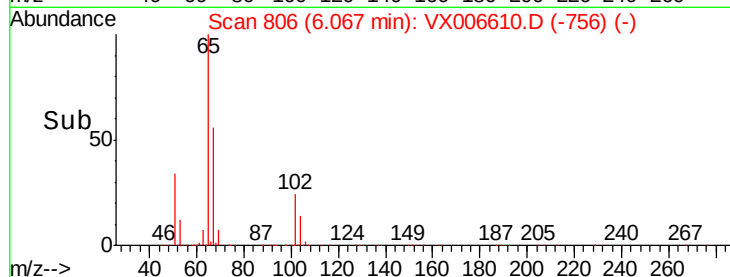
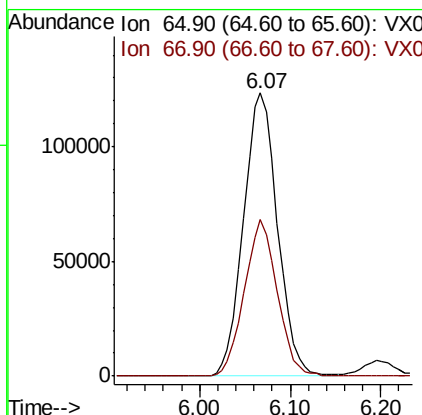
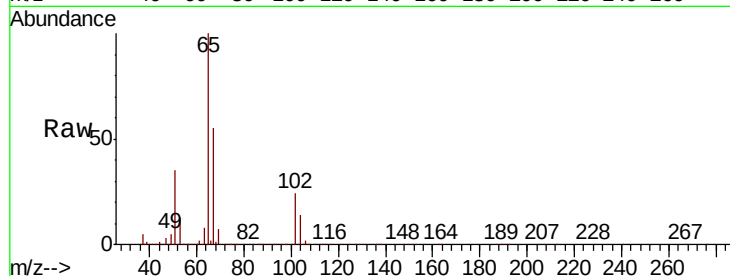




#33
 1,2-Dichloroethane-d4
 Concen: 49.504 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

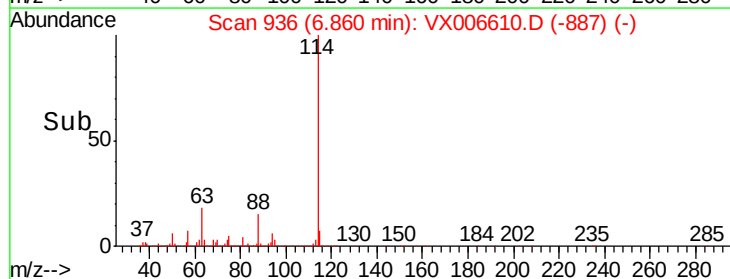
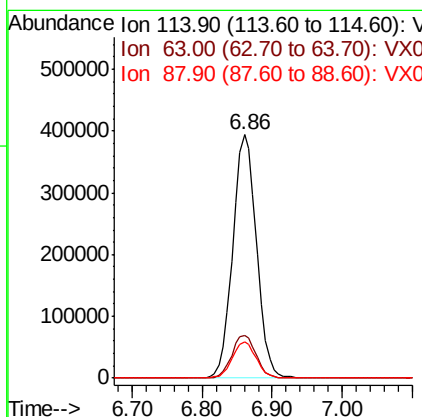
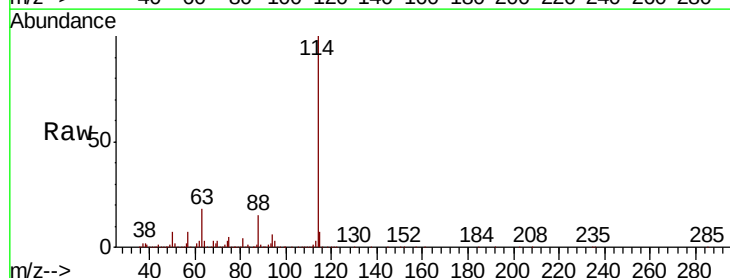
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

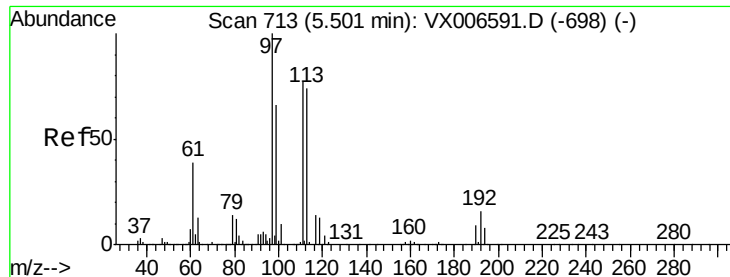
Tot Ion: 65 Resp: 319347
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

Tgt Ion: 114 Resp: 929414
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.6
 88 14.8 0.0 29.0





#35

Dibromofluoromethane

Concen: 50.103 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

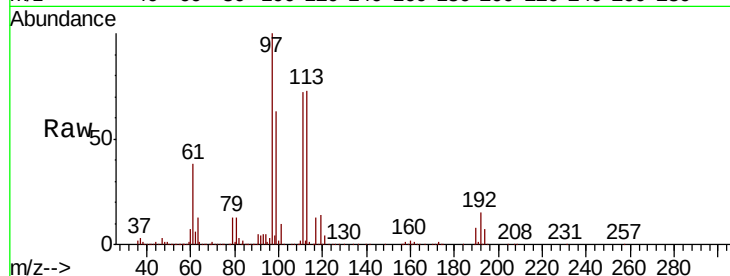
Tot Ion:113 Resp: 294476

Ion Ratio Lower Upper

113 100

111 101.7 81.1 121.7

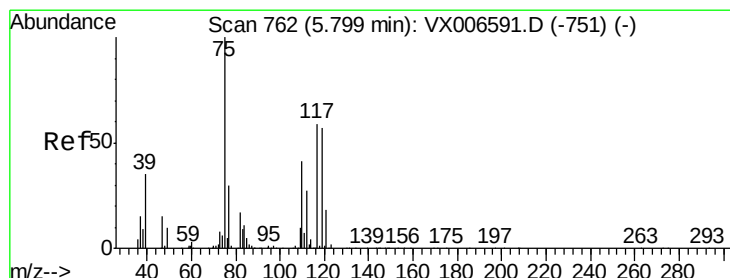
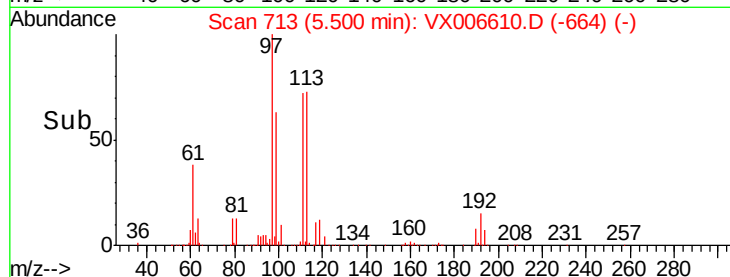
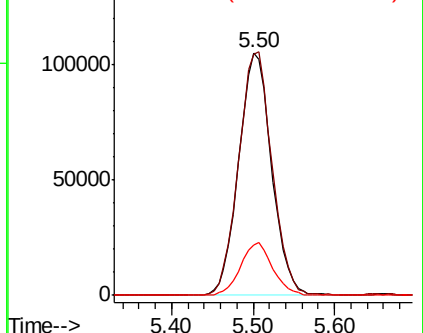
192 21.3 18.2 27.2



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: 49.355 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

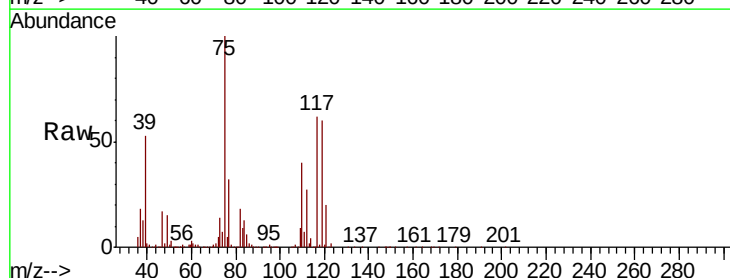
Tgt Ion: 75 Resp: 379922

Ion Ratio Lower Upper

75 100

110 40.5 20.4 61.3

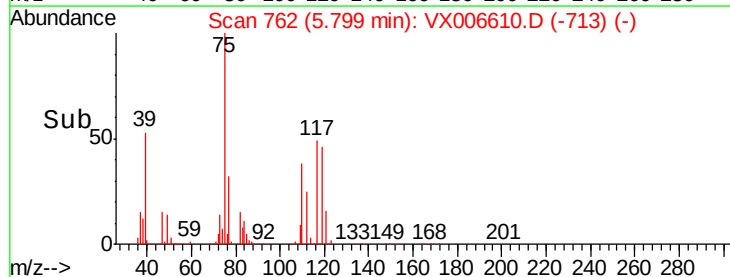
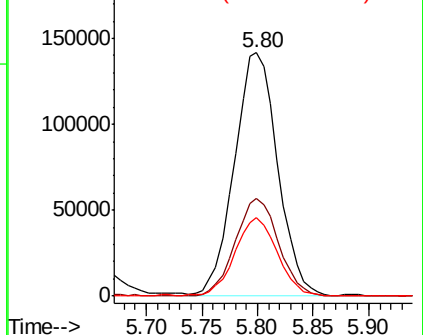
77 31.8 24.9 37.3

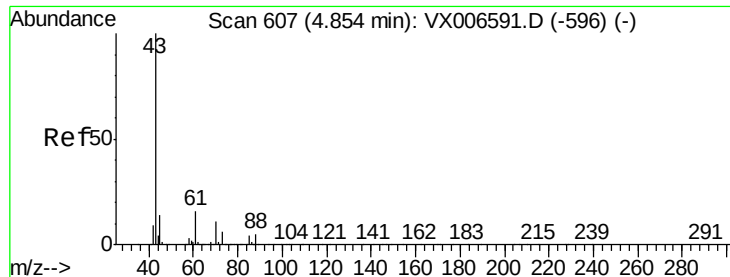


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

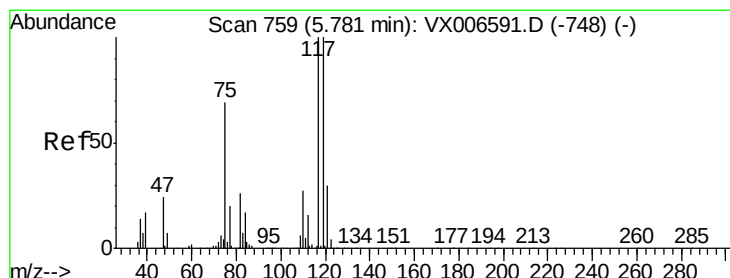
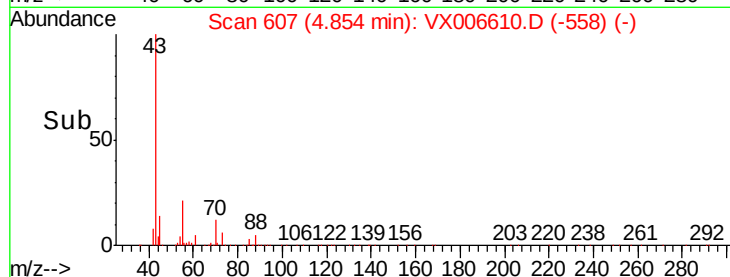
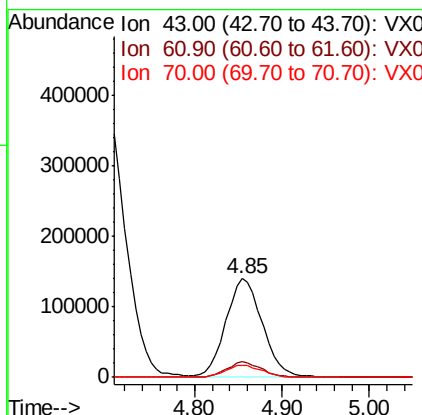
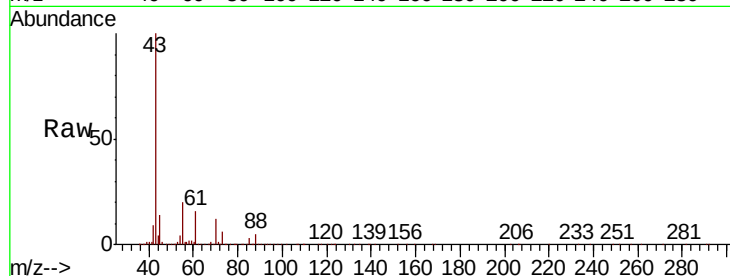




#37
Ethyl Acetate
Concen: 50.462 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

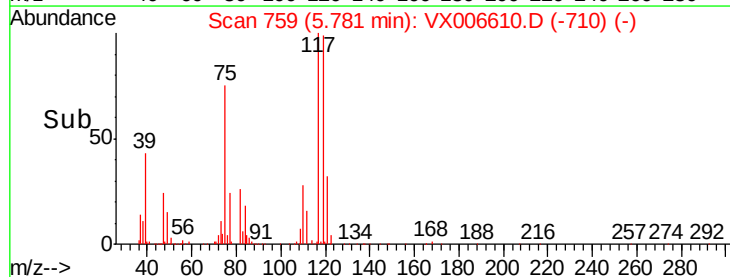
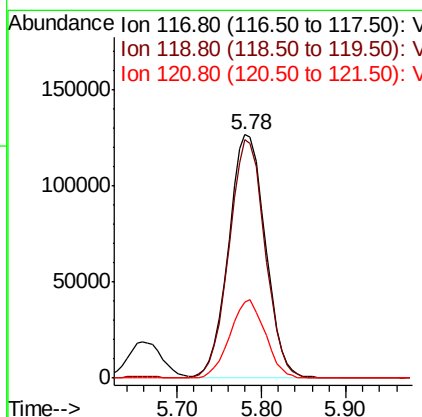
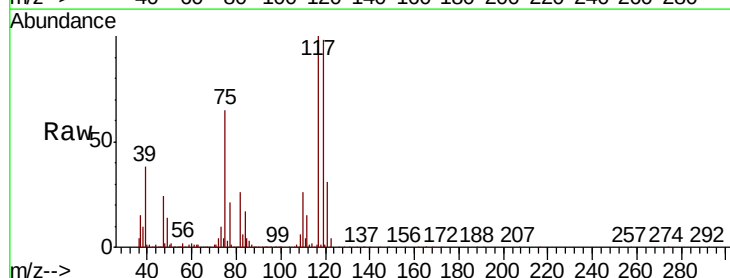
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

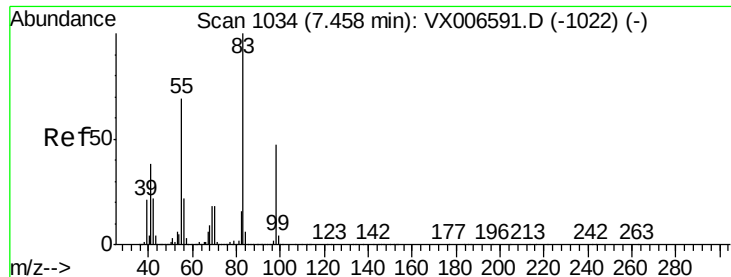
Tot Ion: 43 Resp: 404300
Ion Ratio Lower Upper
43 100
61 14.9 11.5 17.3
70 12.4 9.0 13.6



#38
Carbon Tetrachloride
Concen: 49.980 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion: 117 Resp: 373899
Ion Ratio Lower Upper
117 100
119 98.2 75.8 113.8
121 31.3 24.6 37.0

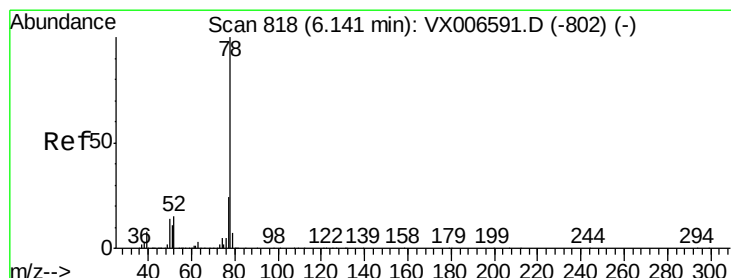
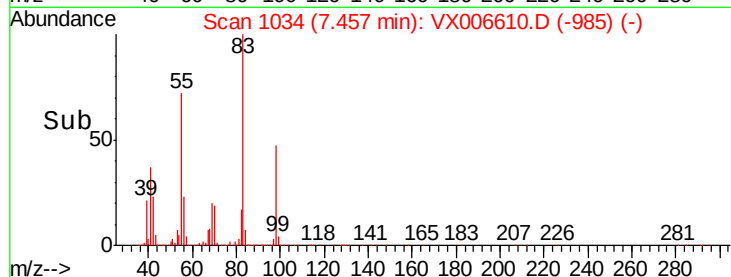
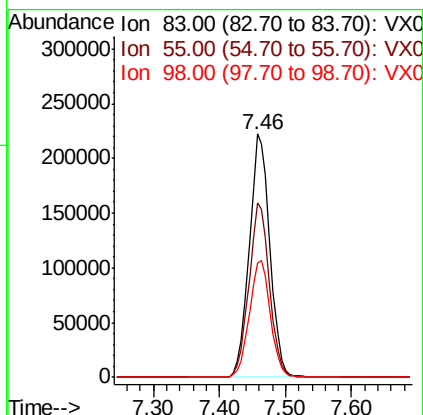
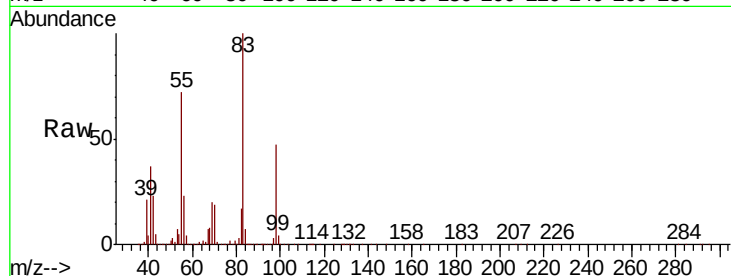




#39
Methylvlcyclohexane
Concen: 47.672 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

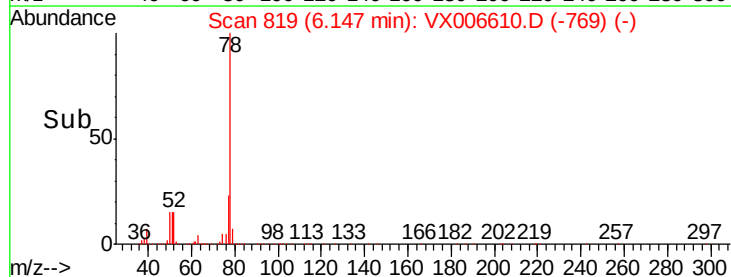
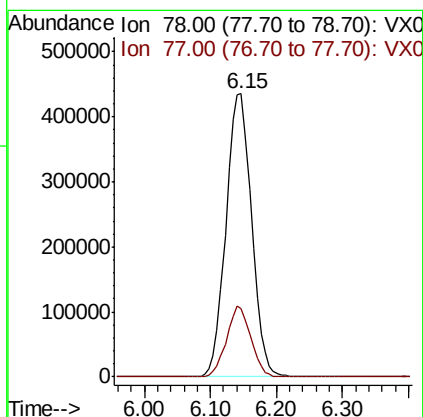
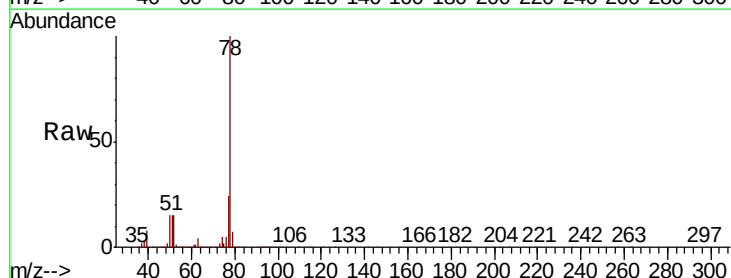
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

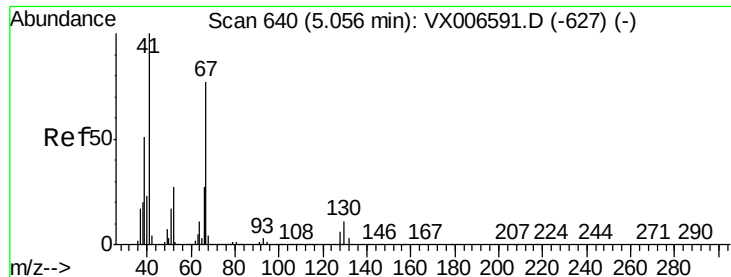
Tot Ion: 83 Resp: 483118
Ion Ratio Lower Upper
83 100
55 71.8 56.4 84.6
98 47.0 39.0 58.6



#40
Benzene
Concen: 49.980 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion: 78 Resp: 1169451
Ion Ratio Lower Upper
78 100
77 24.1 19.2 28.8

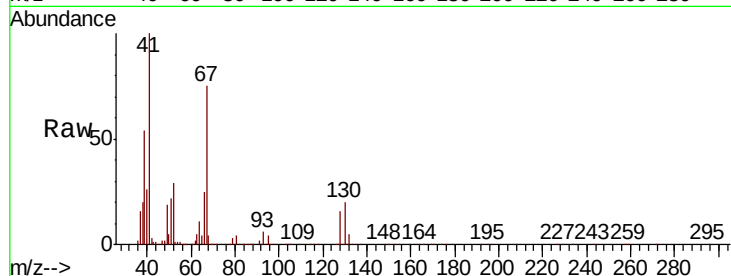




#41
Methacrylonitrile
Concen: 49.698 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	223754
Ion	Ratio	Lower	Upper
41	100		
39	54.8	44.0	66.0
67	78.0	61.4	92.0
52	29.8	23.5	35.3



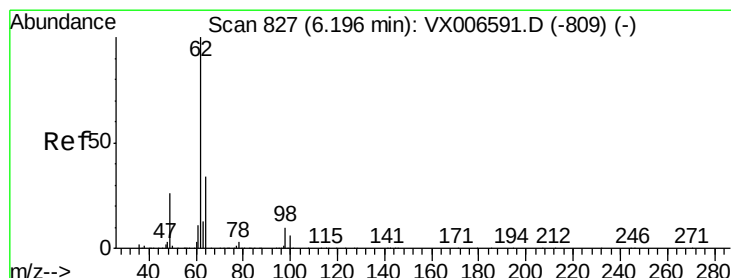
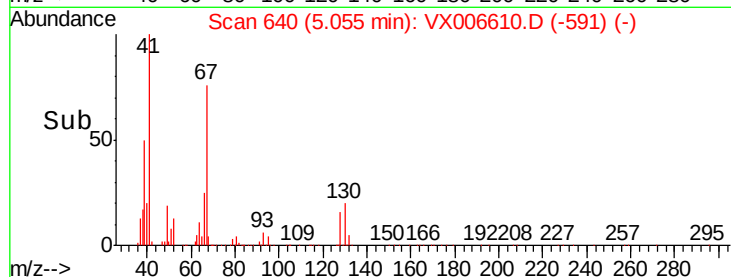
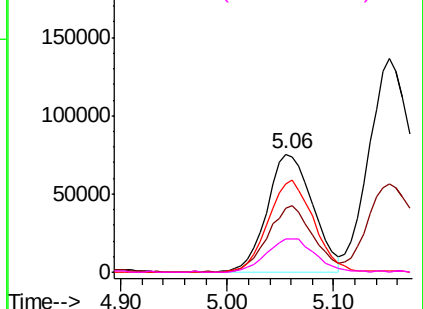
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

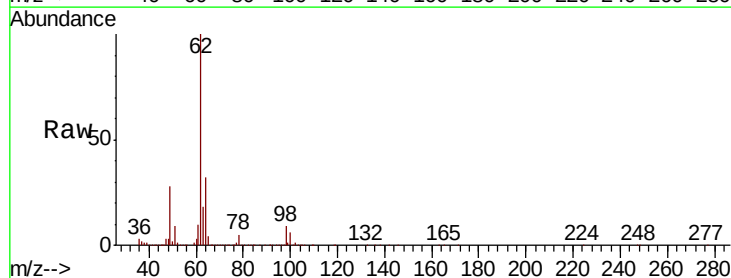
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 49.477 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

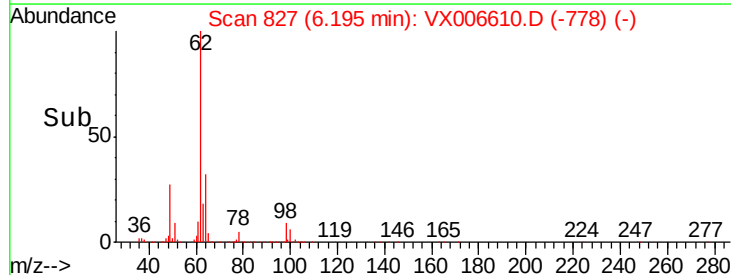
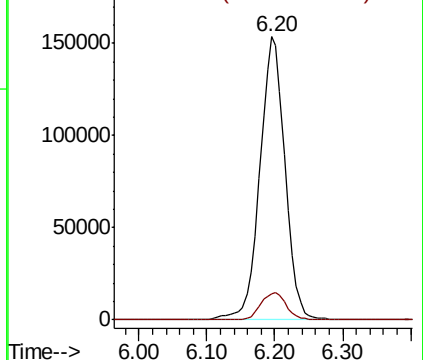
Tgt Ion:	62	Resp:	394485
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.2

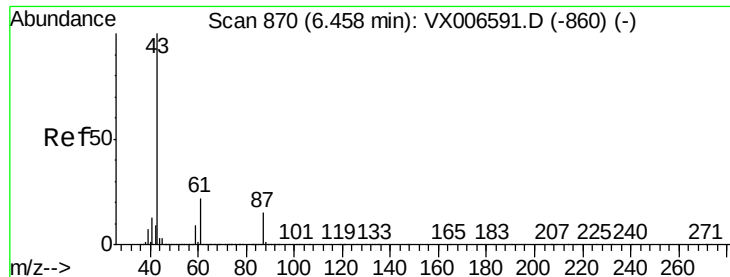


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 52.362 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

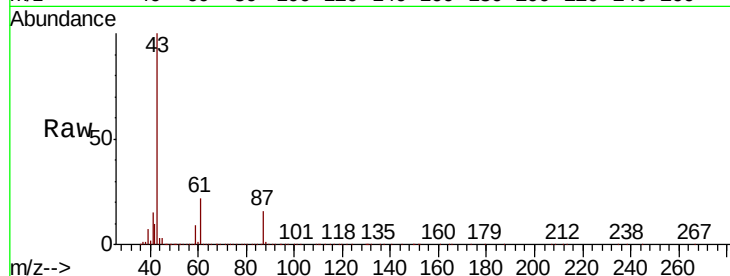
Tot Ion: 43 Resp: 638311

Ion Ratio Lower Upper

43 100

61 21.3 16.8 25.2

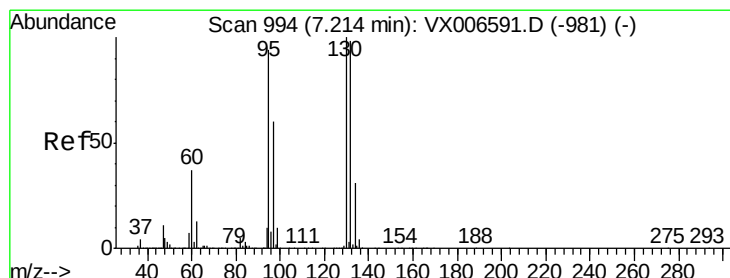
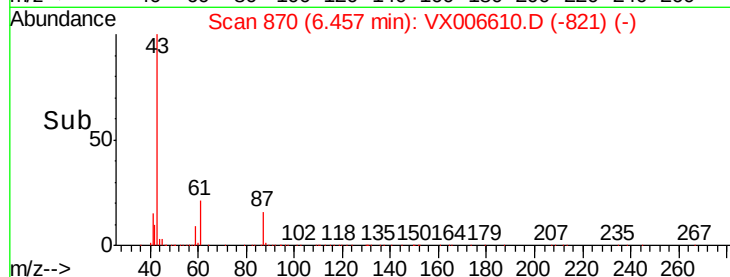
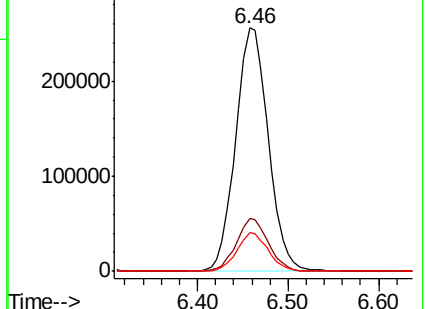
87 15.4 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 48.490 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006610.D

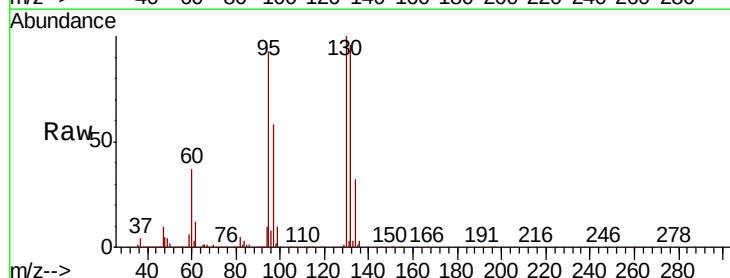
Acq: 18 Dec 2018 21:11

Tgt Ion:130 Resp: 343408

Ion Ratio Lower Upper

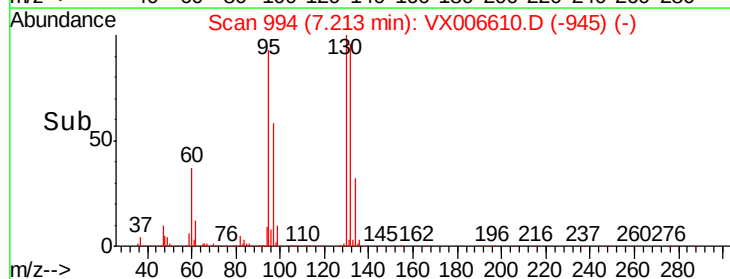
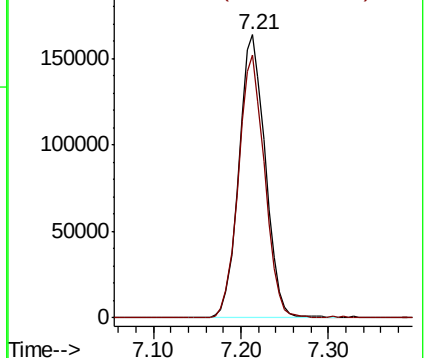
130 100

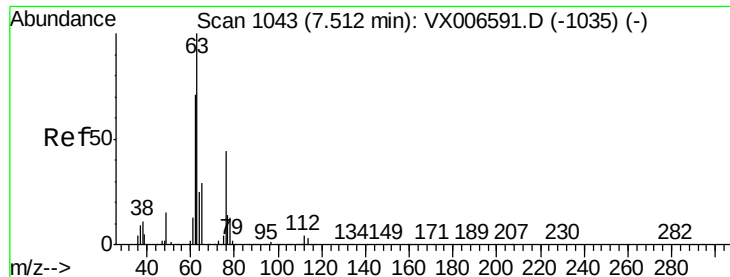
95 92.7 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 50.954 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

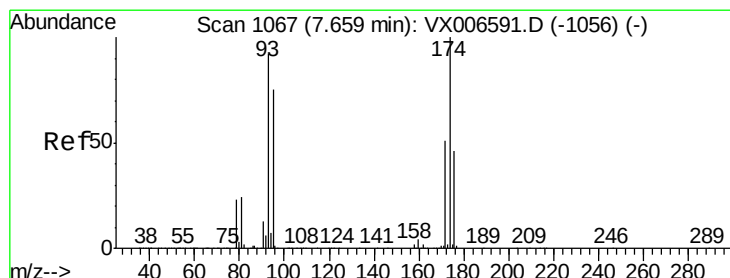
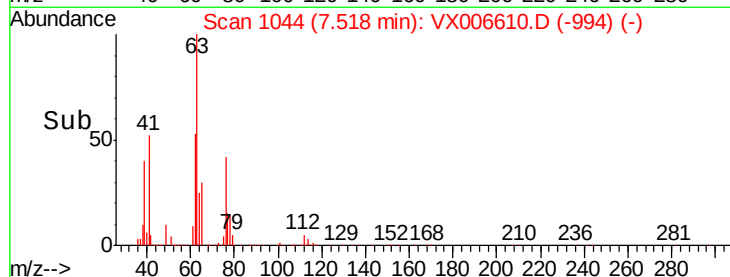
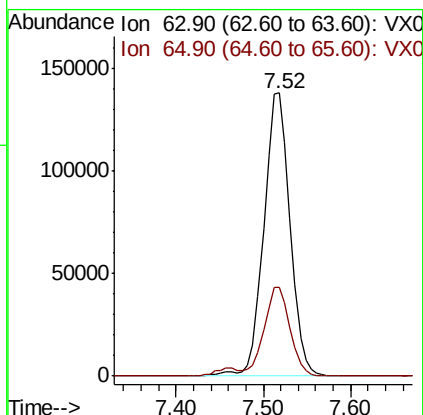
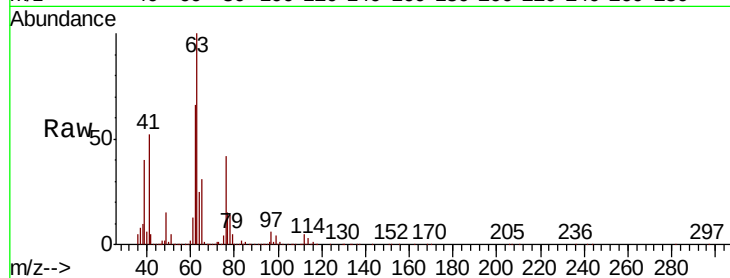
VSTDCCC050

Tot Ion: 63 Resp: 290131

Ion Ratio Lower Upper

63 100

65 31.3 24.3 36.5



#46

Dibromomethane

Concen: 49.929 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

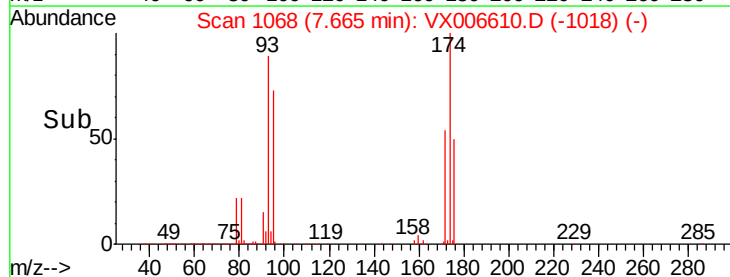
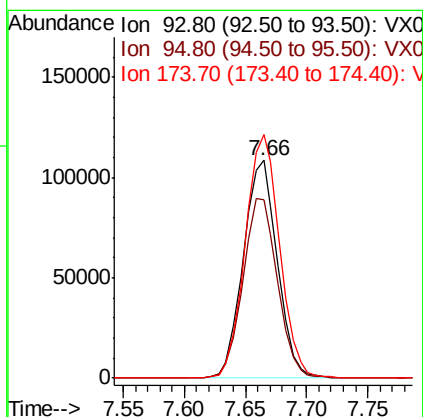
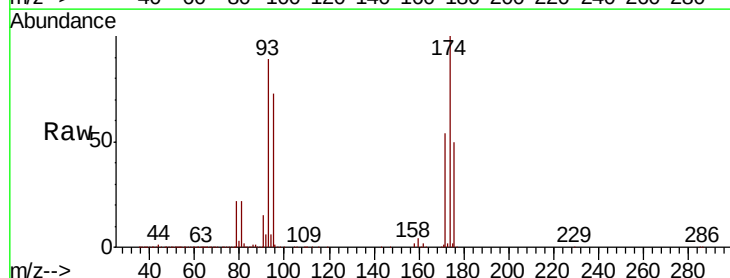
Tgt Ion: 93 Resp: 209116

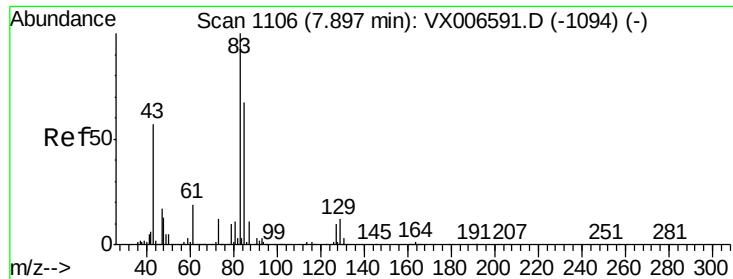
Ion Ratio Lower Upper

93 100

95 84.3 66.2 99.4

174 114.0 97.2 145.8





#47

Bromodichloromethane

Concen: 51.183 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

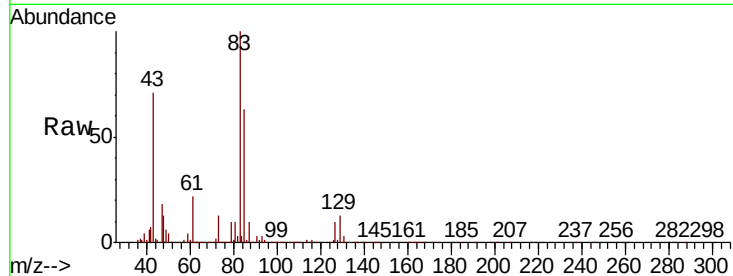
Tot Ion: 83 Resp: 355896

Ion Ratio Lower Upper

83 100

85 63.3 51.4 77.0

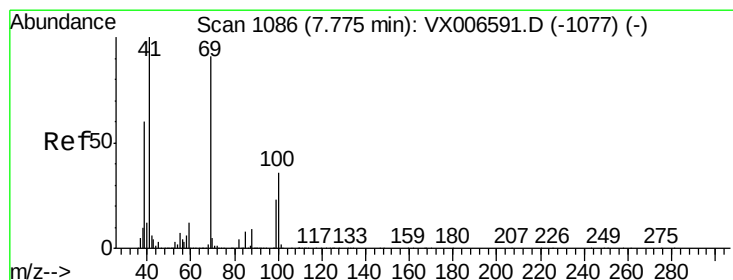
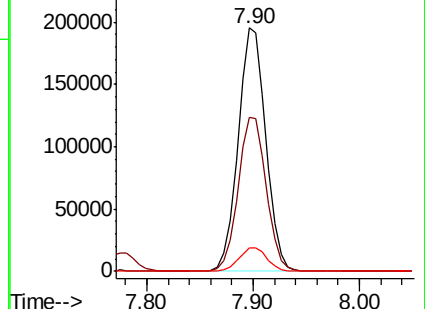
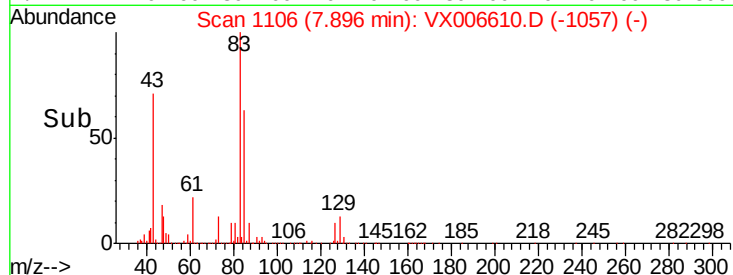
127 9.7 7.9 11.9



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: 53.363 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

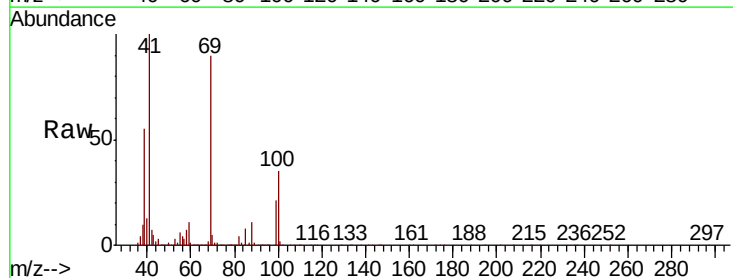
Tgt Ion: 41 Resp: 330806

Ion Ratio Lower Upper

41 100

69 91.4 70.3 105.5

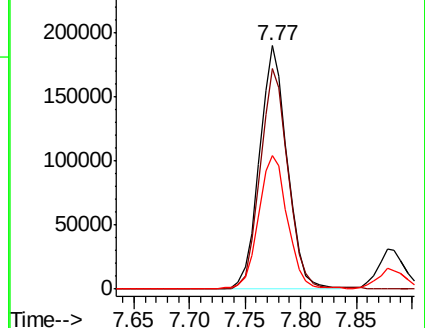
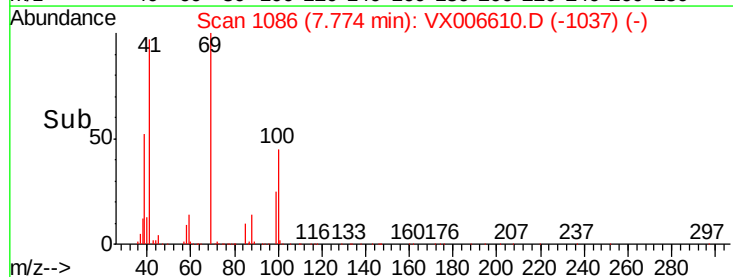
39 56.8 45.3 67.9

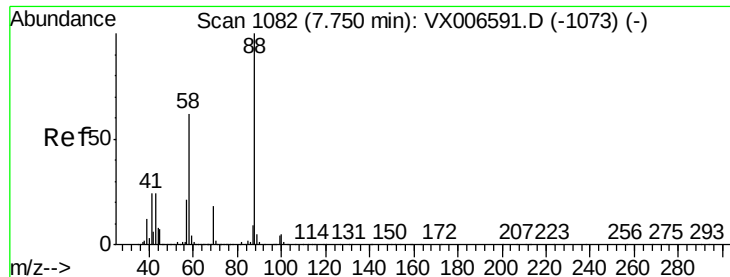


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1100.665 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

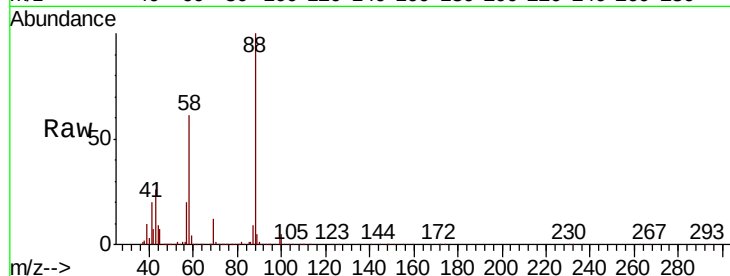
Tot Ion: 88 Resp: 178202

Ion Ratio Lower Upper

88 100

43 27.5 23.2 34.8

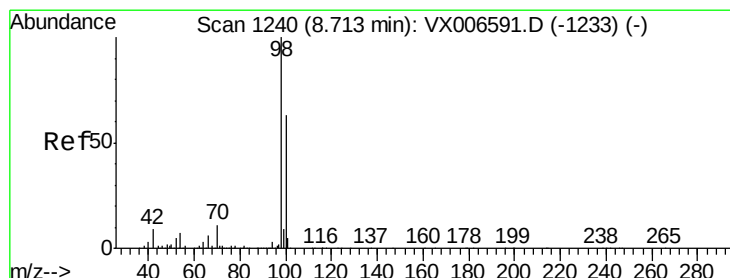
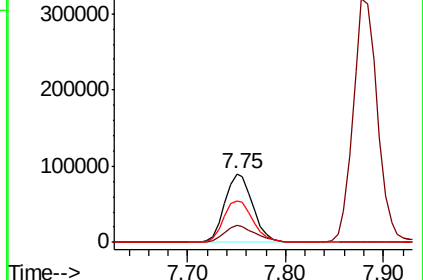
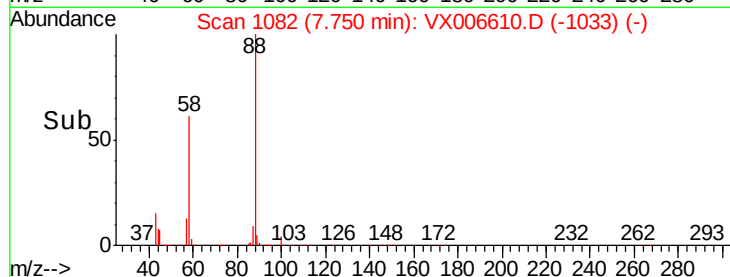
58 63.6 51.4 77.0



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



#50

Toluene-d8

Concen: 49.667 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006610.D

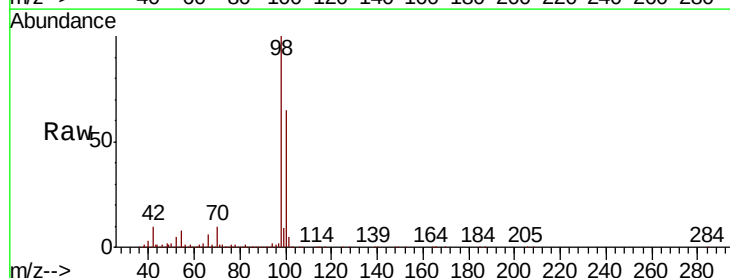
Acq: 18 Dec 2018 21:11

Tgt Ion: 98 Resp: 1100527

Ion Ratio Lower Upper

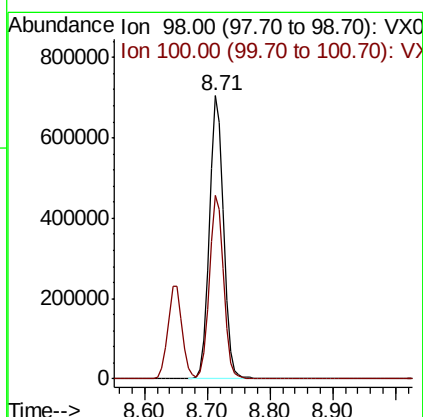
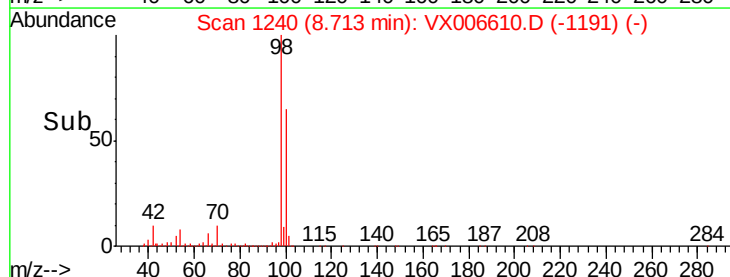
98 100

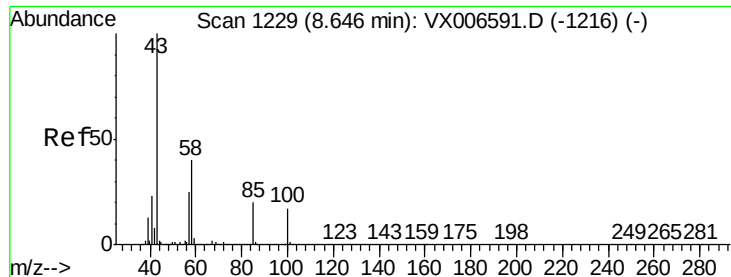
100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

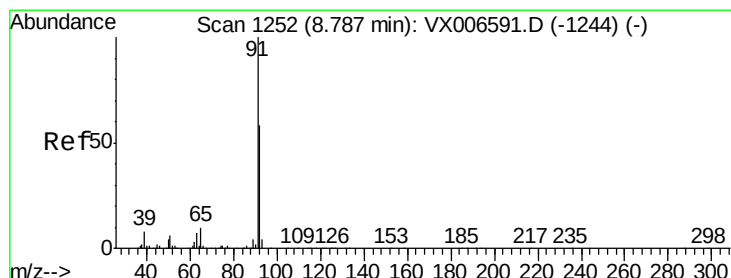
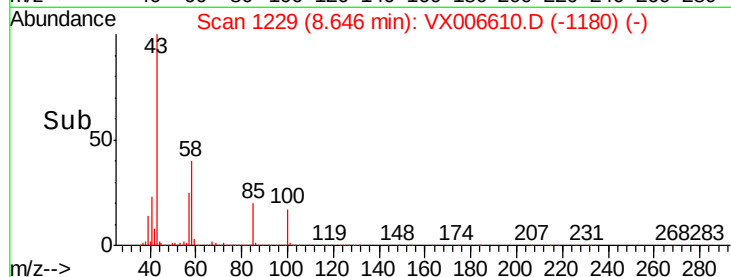
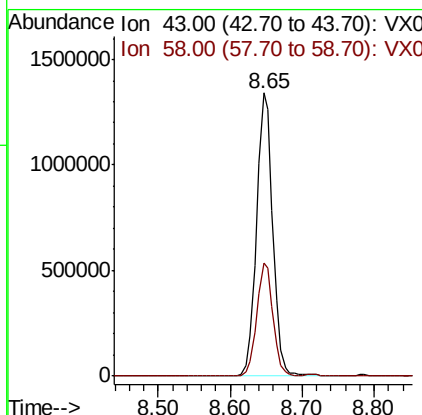
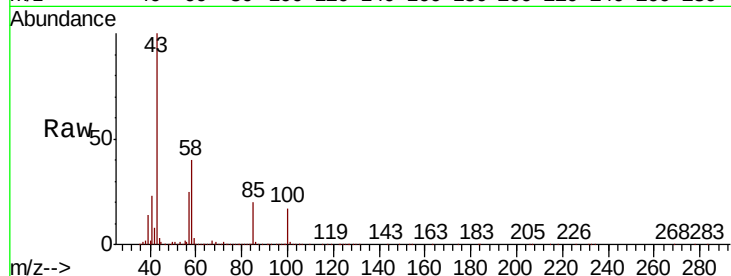




#51
 4-Methyl-2-Pentanone
 Concen: 272.636 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

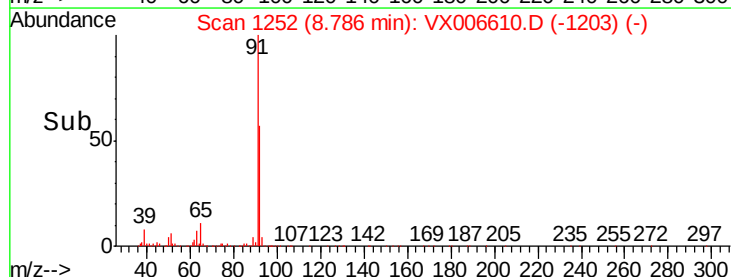
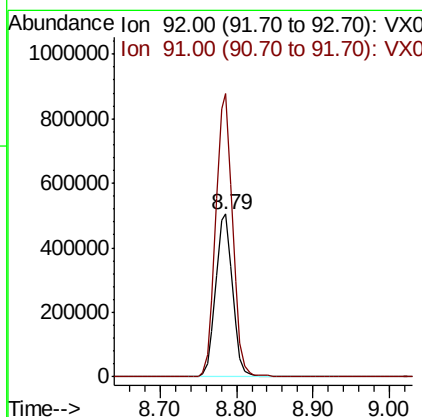
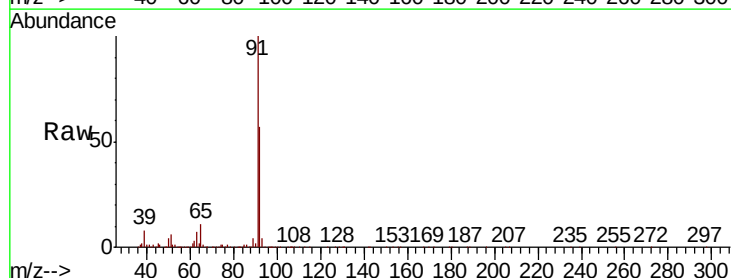
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

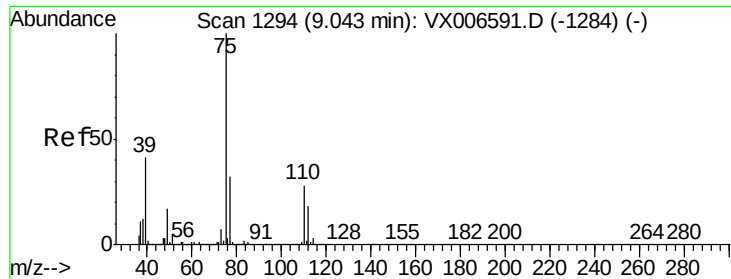
Tot Ion: 43 Resp: 2114682
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.3 46.9



#52
 Toluene
 Concen: 51.011 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

Tgt Ion: 92 Resp: 771098
 Ion Ratio Lower Upper
 92 100
 91 173.4 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 52.358 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

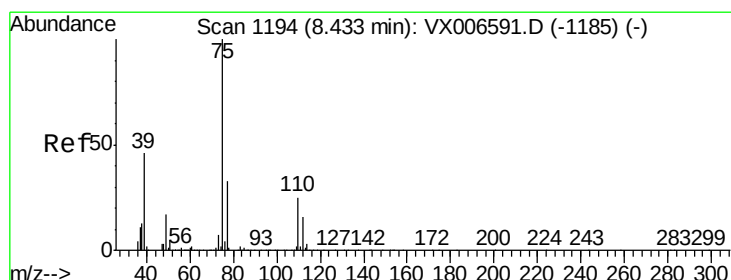
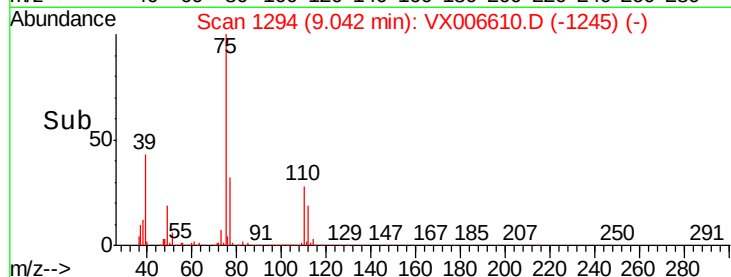
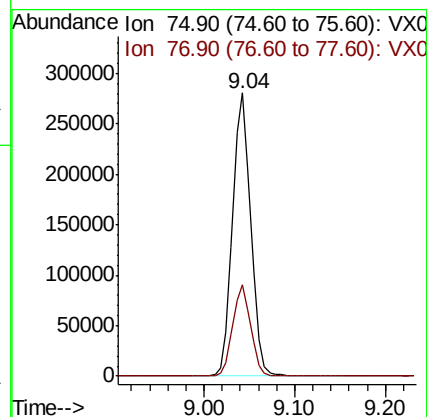
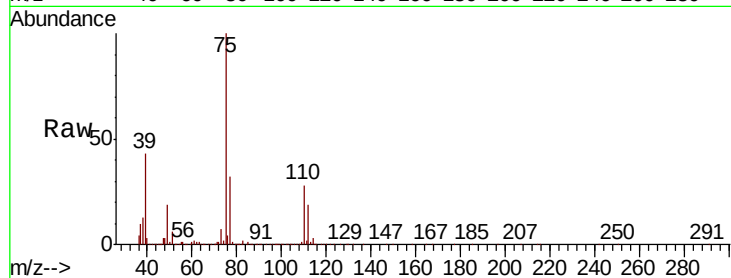
VSTDCCC050

Tot Ion: 75 Resp: 390457

Ion Ratio Lower Upper

75 100

77 32.3 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 53.868 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

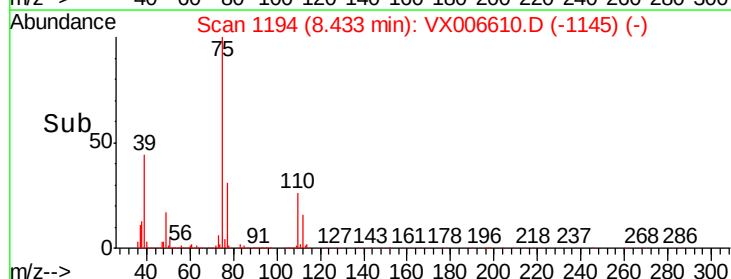
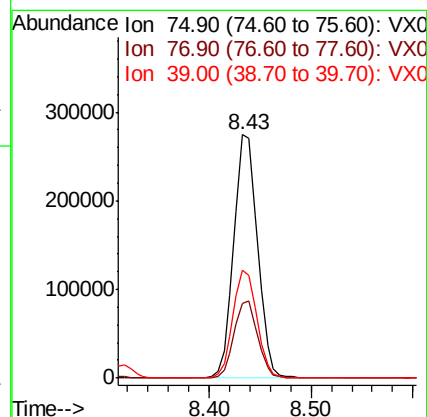
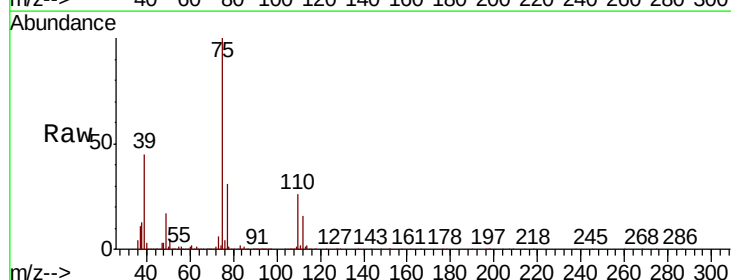
Tgt Ion: 75 Resp: 440787

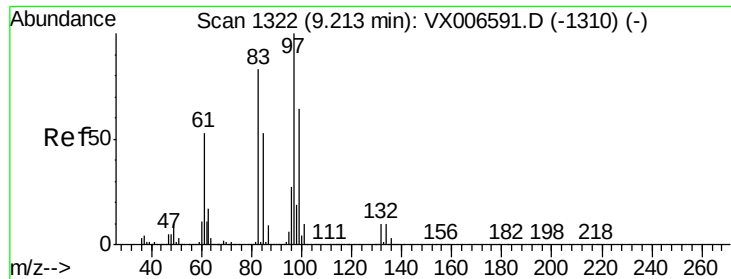
Ion Ratio Lower Upper

75 100

77 30.8 25.6 38.4

39 44.4 36.5 54.7





#55

1,1,2-Trichloroethane

Concen: 50.858 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 314676

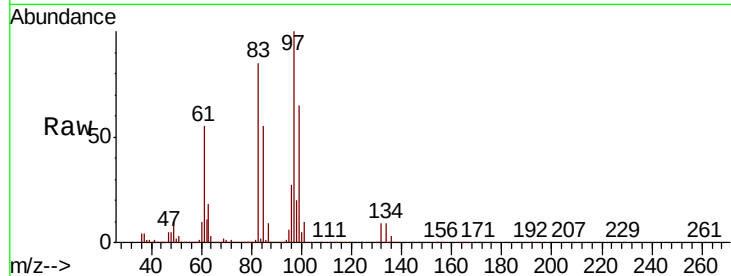
Ion Ratio Lower Upper

97 100

83 84.9 67.1 100.7

85 55.2 43.2 64.8

99 65.0 49.8 74.6



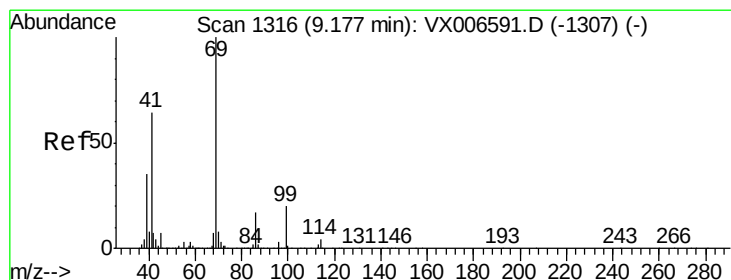
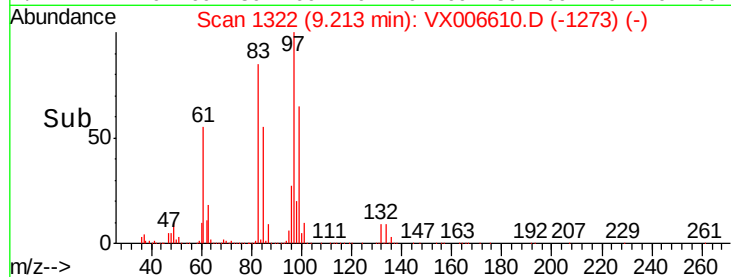
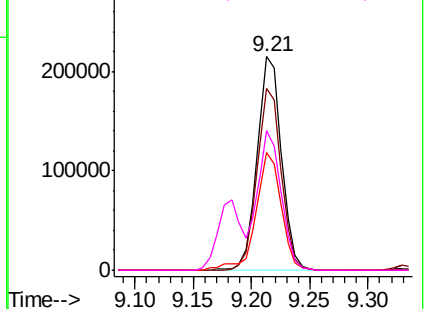
Abundance

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: 53.714 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

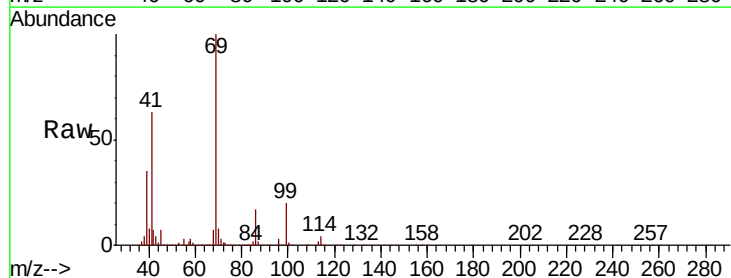
Tgt Ion: 69 Resp: 469731

Ion Ratio Lower Upper

69 100

41 62.3 50.6 76.0

39 34.6 27.6 41.4

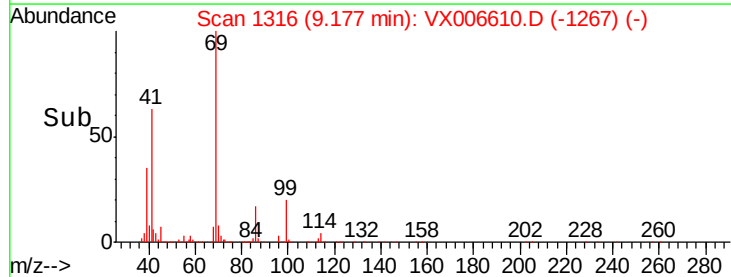
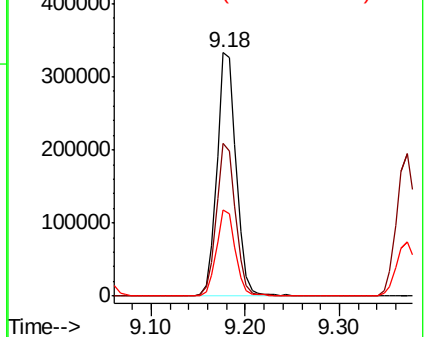


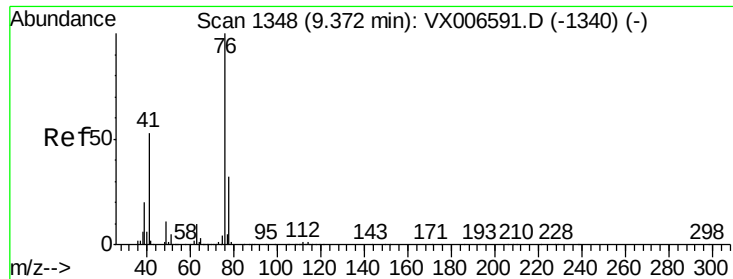
Abundance

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

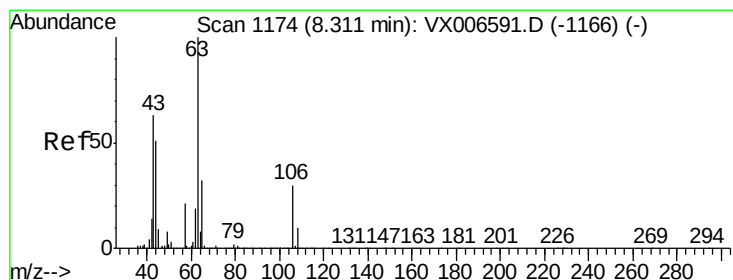
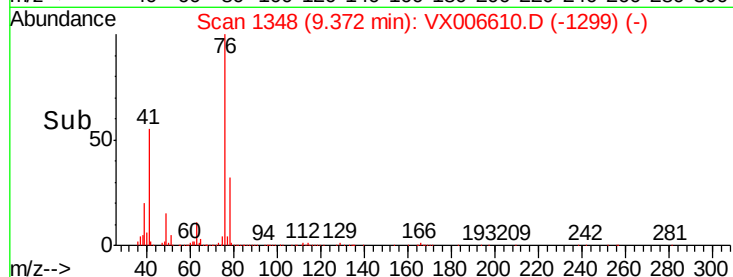
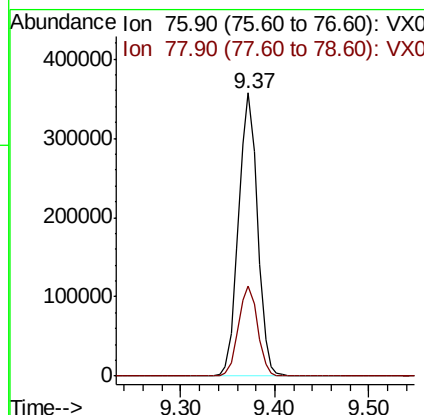
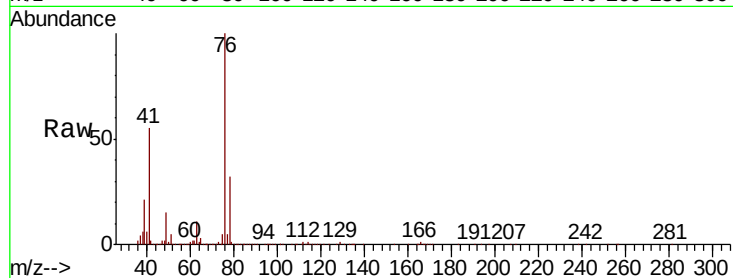




#57
 1,3-Dichloropropane
 Concen: 50.283 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

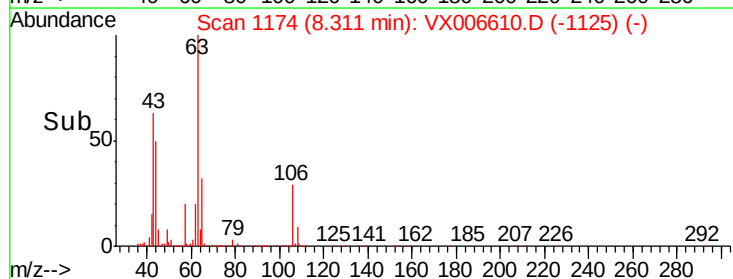
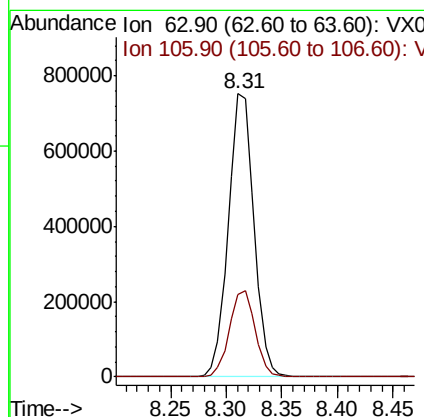
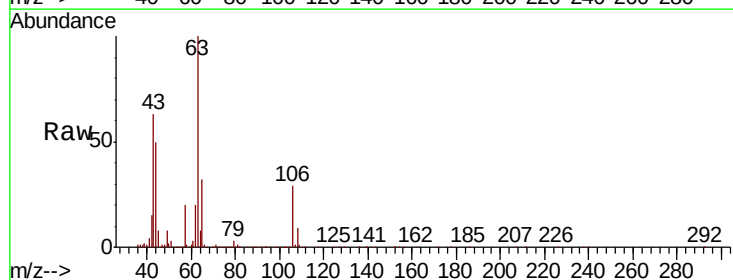
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

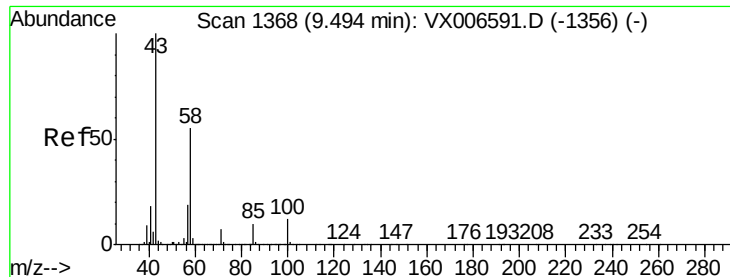
Tot Ion: 76 Resp: 500555
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.525 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

Tgt Ion: 63 Resp: 1197132
 Ion Ratio Lower Upper
 63 100
 106 30.8 24.9 37.3

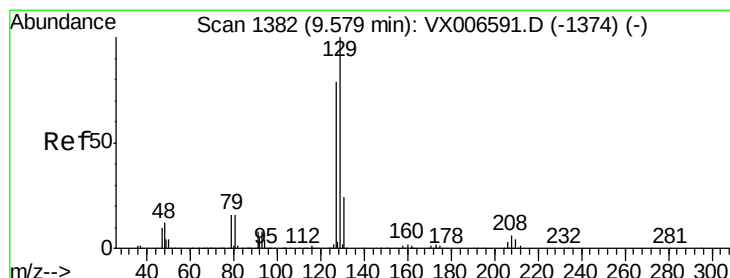
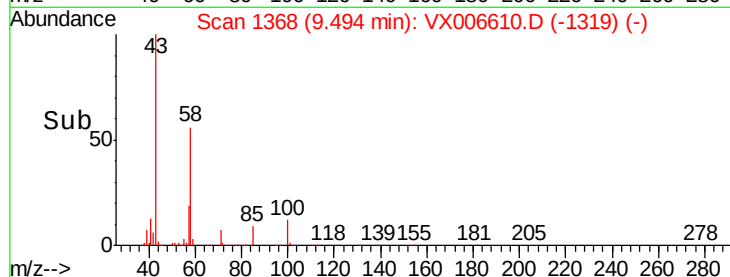
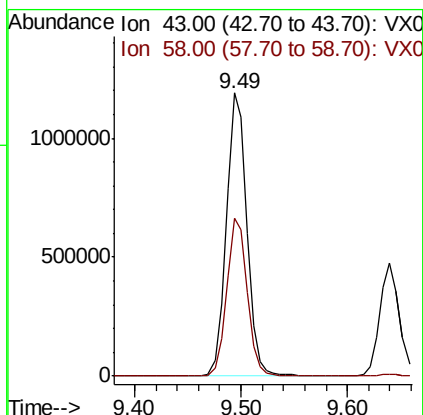
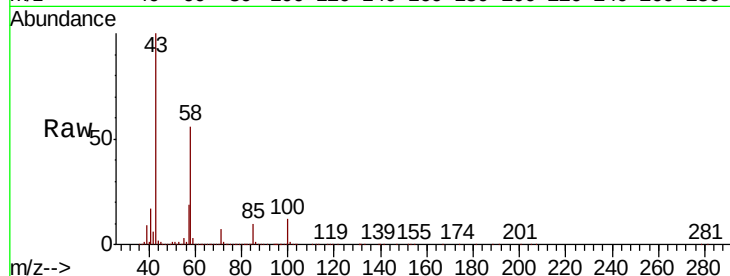




#59
2-Hexanone
Concen: 270.820 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

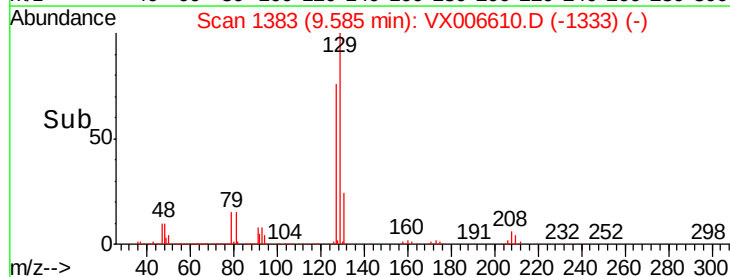
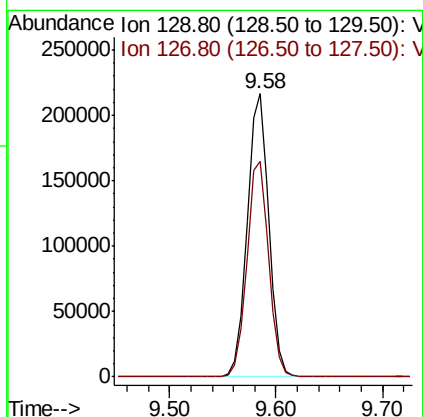
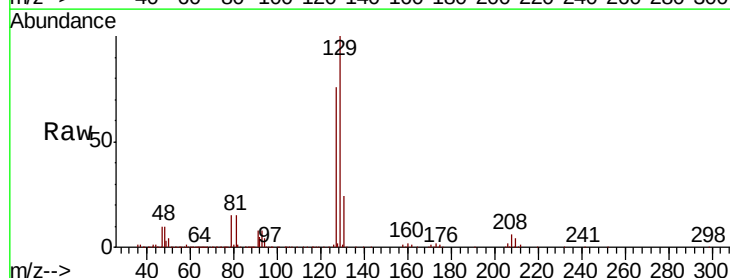
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

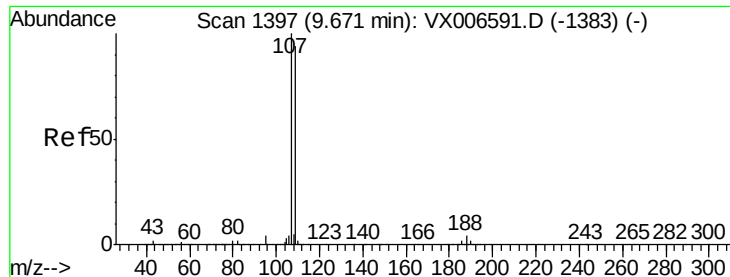
Tot Ion: 43 Resp: 1607204
Ion Ratio Lower Upper
43 100
58 56.0 27.7 83.1



#60
Dibromochloromethane
Concen: 47.794 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion: 129 Resp: 308595
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.8

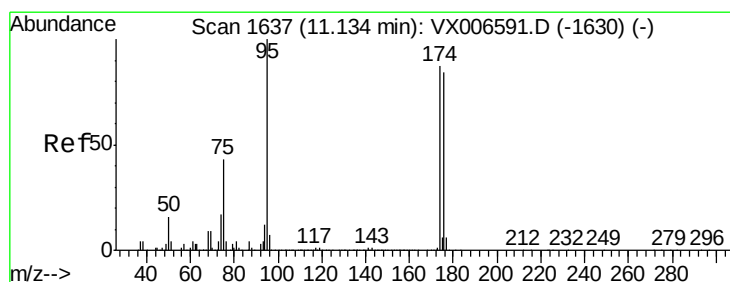
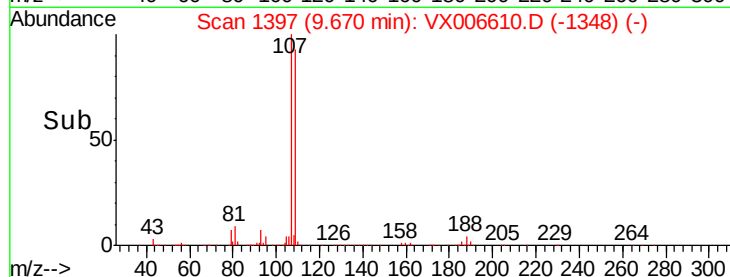
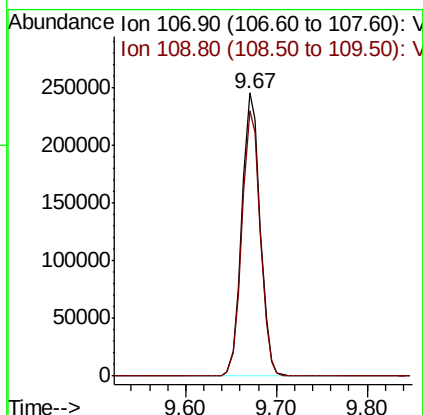
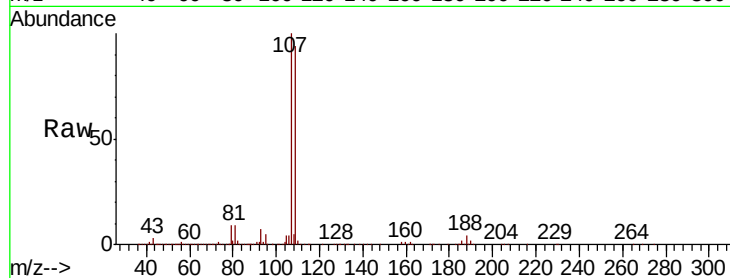




#61
 1,2-Dibromoethane
 Concen: 52.371 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

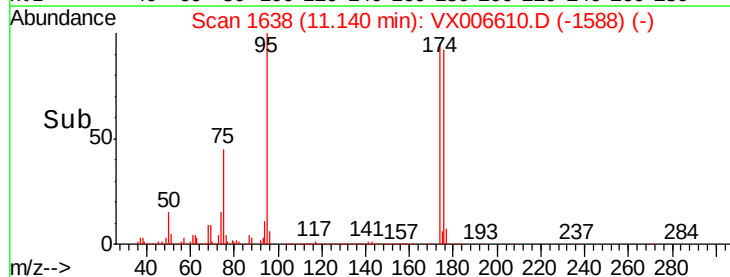
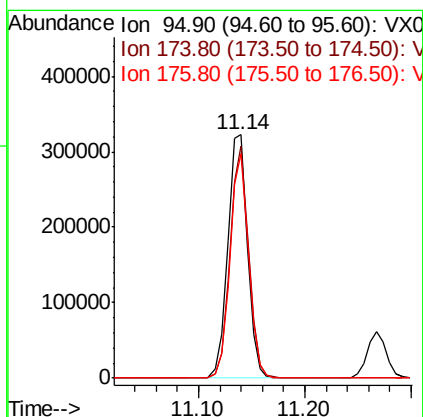
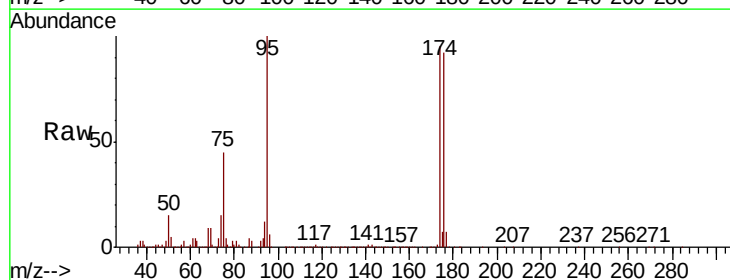
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

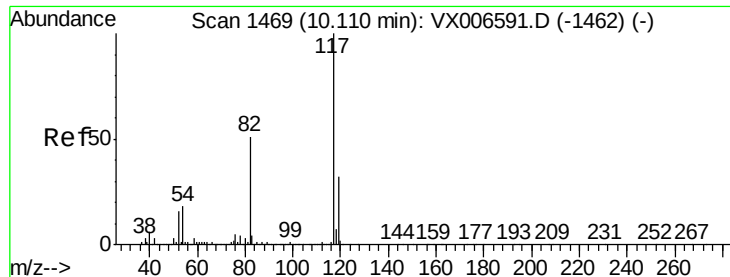
Tot Ion: 107 Resp: 344462
 Ion Ratio Lower Upper
 107 100
 109 93.7 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 51.706 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.01 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

Tgt Ion: 95 Resp: 419603
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 187.0
 176 87.1 0.0 181.8

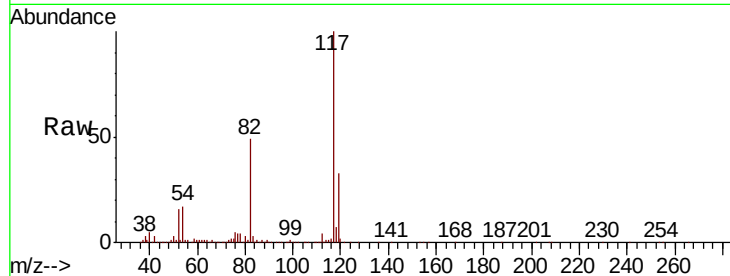




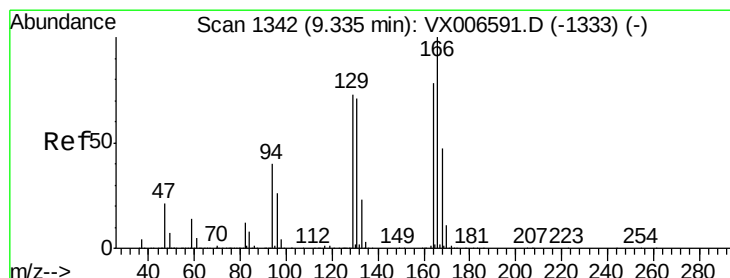
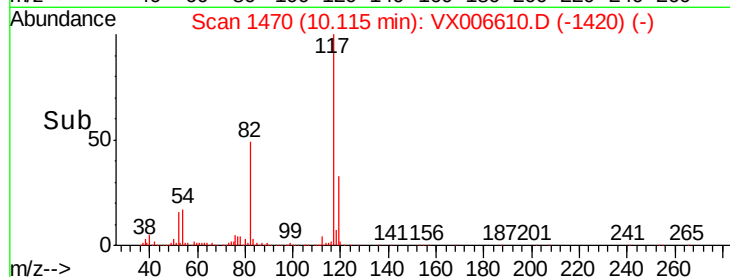
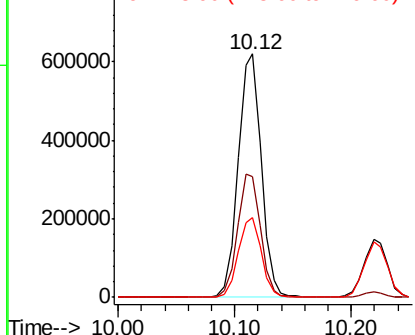
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 862829
Ion Ratio Lower Upper
117 100
82 49.4 39.6 59.4
119 32.9 26.3 39.5

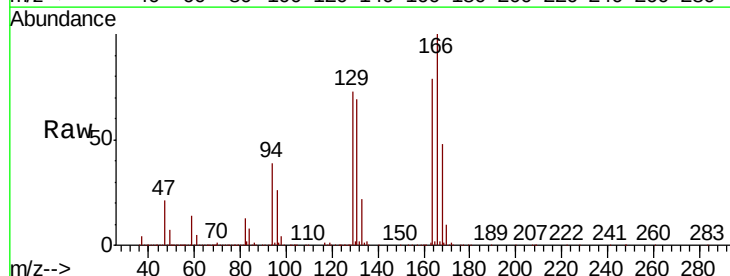


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

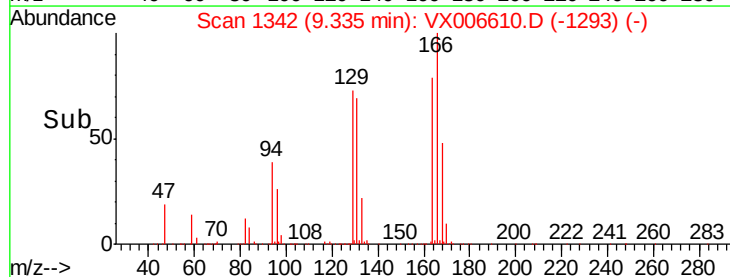
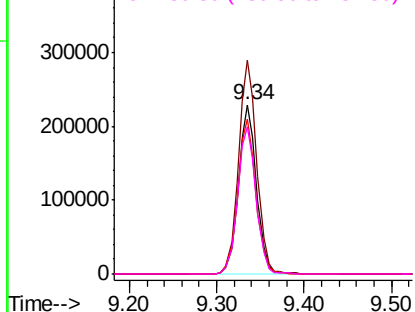


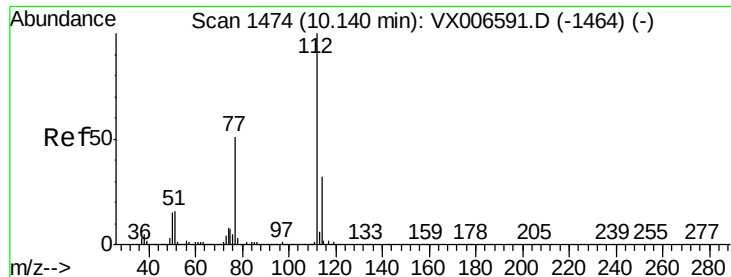
#64
Tetrachloroethene
Concen: 48.095 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion:164 Resp: 328601
Ion Ratio Lower Upper
164 100
166 126.4 104.2 156.2
129 91.7 72.6 108.8
131 87.4 70.3 105.5



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





#65

Chlorobenzene

Concen: 49.462 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

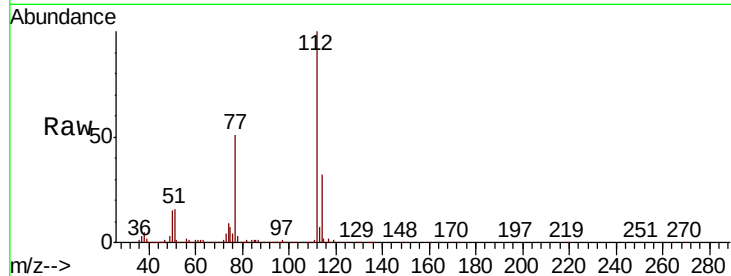
VSTDCCC050

Tot Ion:112 Resp: 902883

Ion Ratio Lower Upper

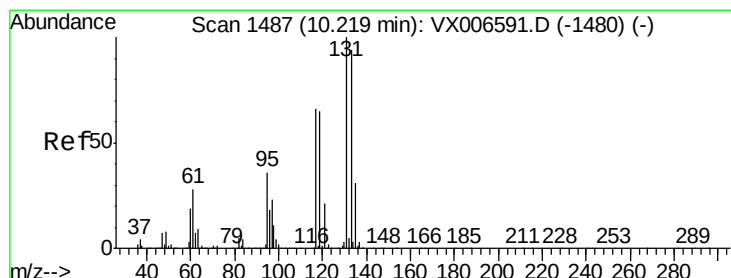
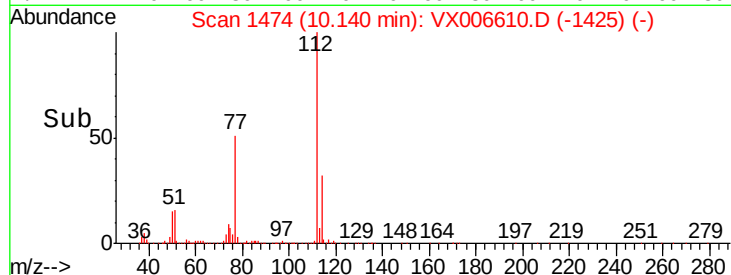
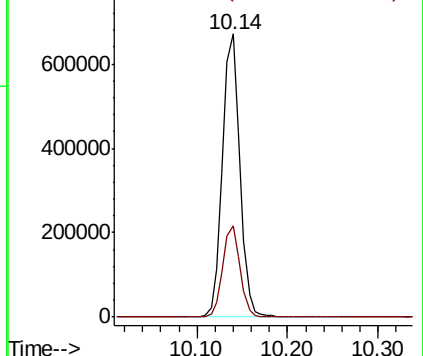
112 100

114 32.4 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.427 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

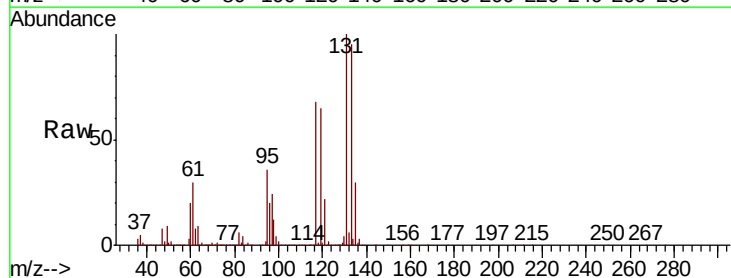
Tgt Ion:131 Resp: 304277

Ion Ratio Lower Upper

131 100

133 95.2 48.1 144.4

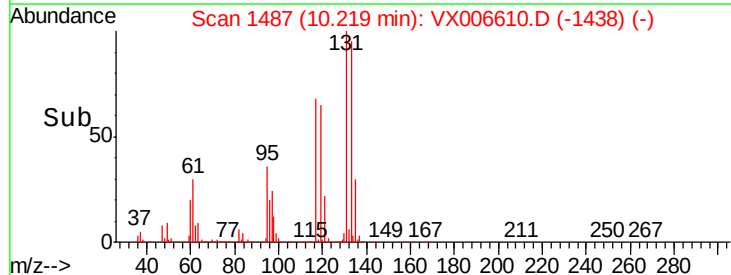
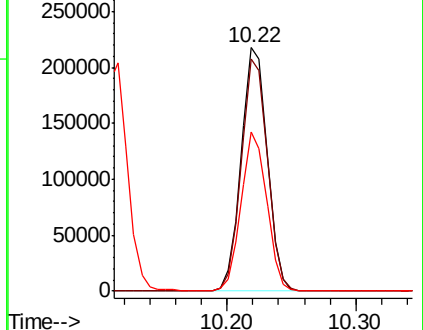
119 64.2 32.1 96.3

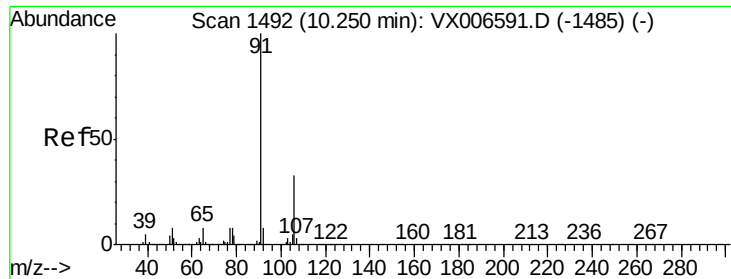


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.172 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

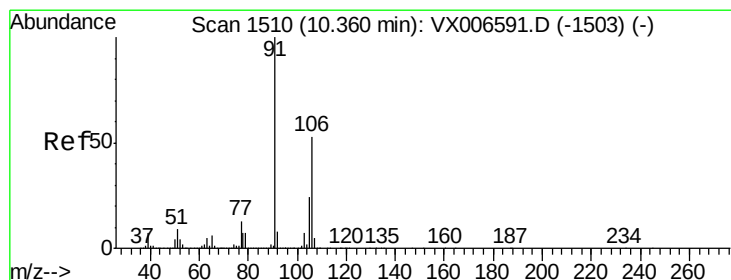
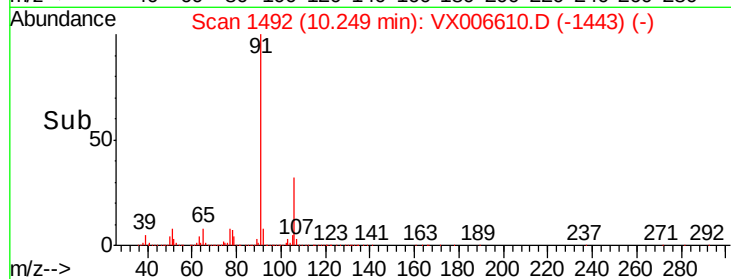
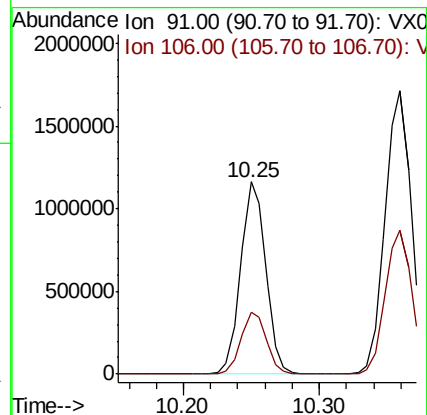
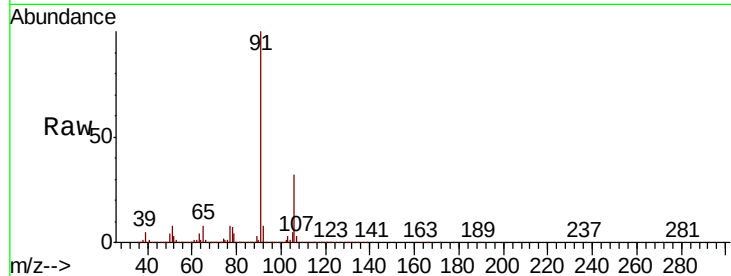
VSTDCCC050

Tot Ion: 91 Resp: 1496545

Ion Ratio Lower Upper

91 100

106 32.2 26.5 39.7



#68

m/p-Xylenes

Concen: 101.212 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006610.D

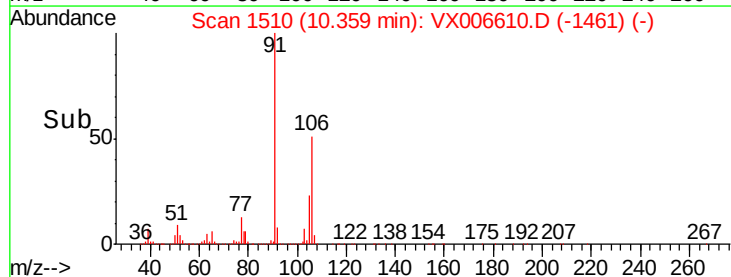
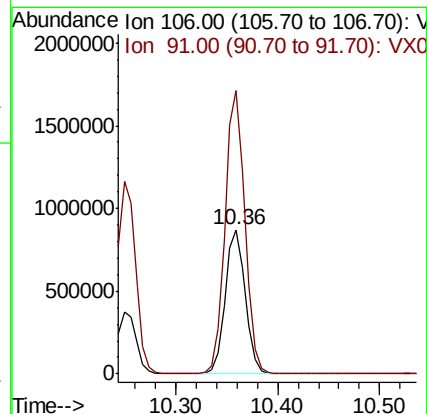
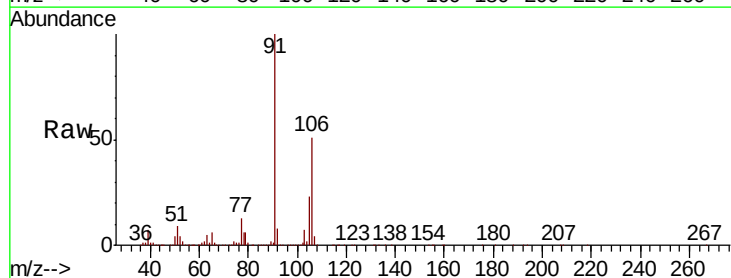
Acq: 18 Dec 2018 21:11

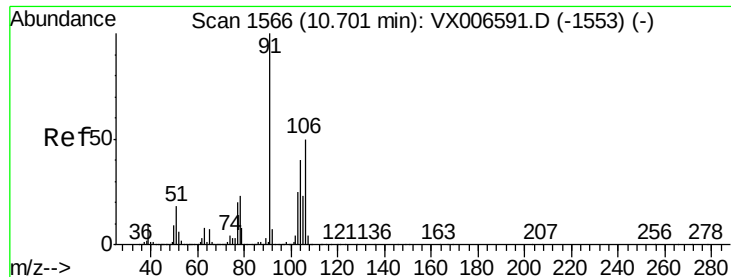
Tgt Ion: 106 Resp: 1191277

Ion Ratio Lower Upper

106 100

91 195.3 155.2 232.8

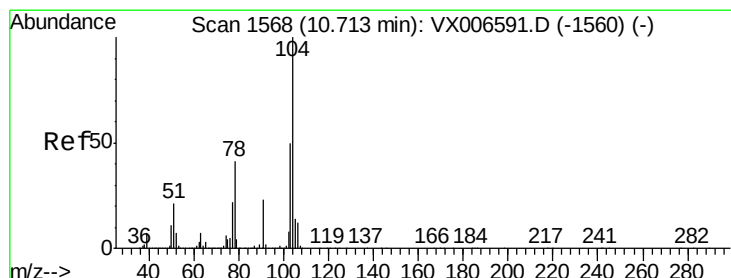
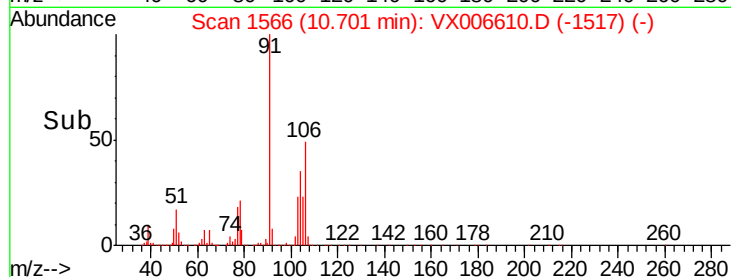
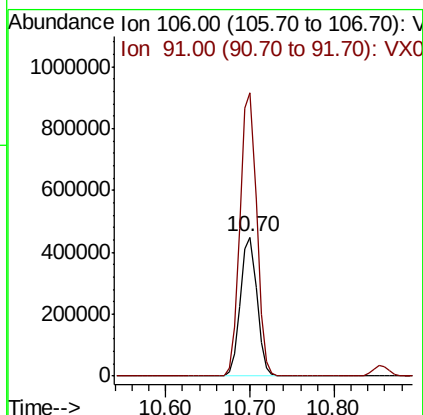
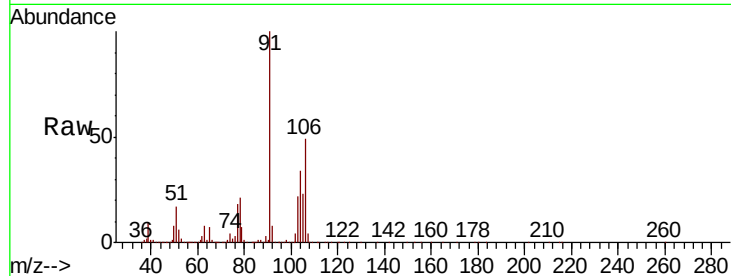




#69
o-Xylene
Concen: 50.775 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

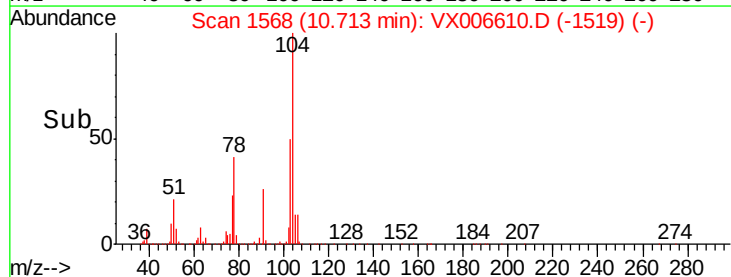
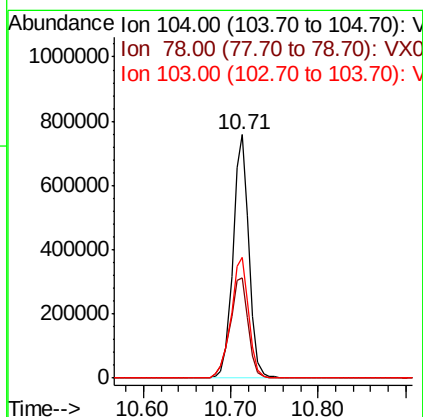
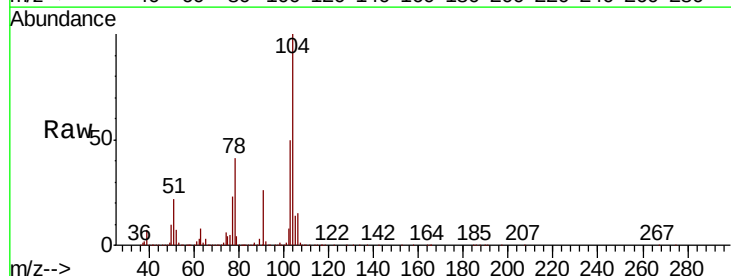
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

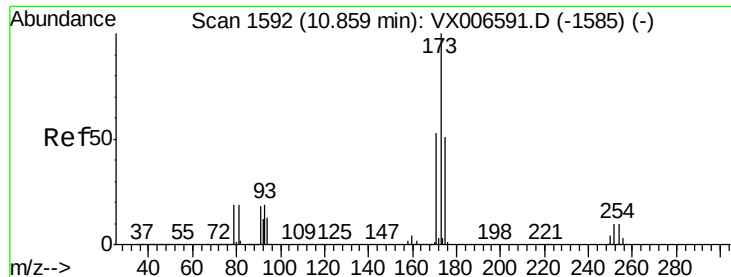
Tot Ion:106 Resp: 590137
Ion Ratio Lower Upper
106 100
91 204.2 101.8 305.6



#70
Styrene
Concen: 52.341 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion:104 Resp: 962434
Ion Ratio Lower Upper
104 100
78 47.1 37.2 55.8
103 55.4 43.5 65.3





#71

Bromoform

Concen: 45.161 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

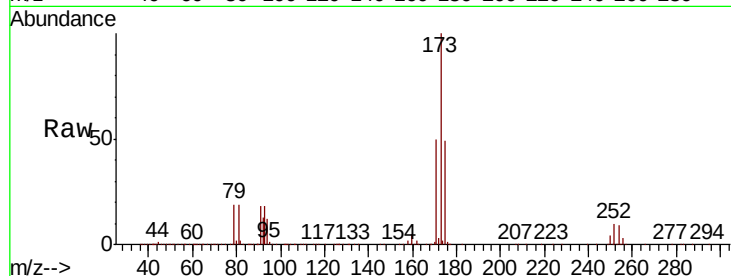
Tot Ion:173 Resp: 229560

Ion Ratio Lower Upper

173 100

175 49.1 24.6 73.8

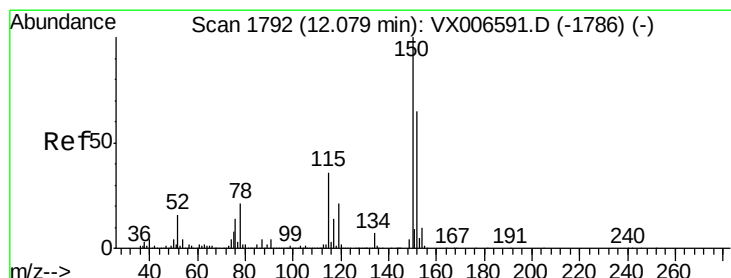
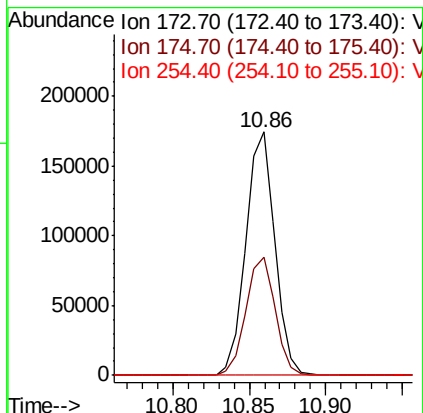
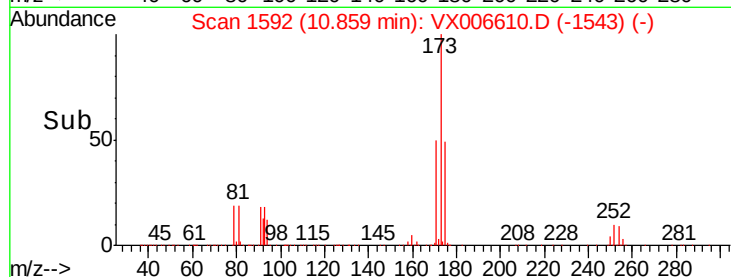
254 0.2 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

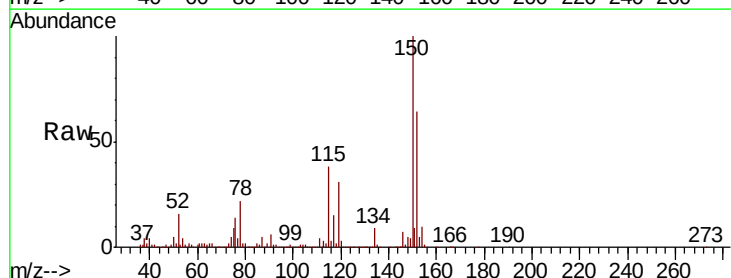
Tgt Ion:152 Resp: 455691

Ion Ratio Lower Upper

152 100

115 78.9 39.0 116.9

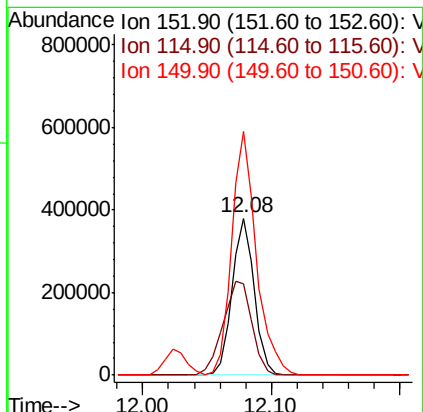
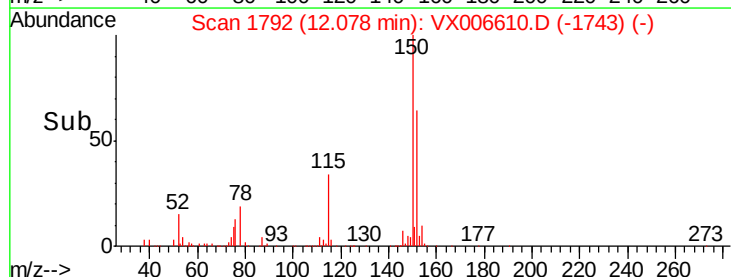
150 172.9 0.0 345.8

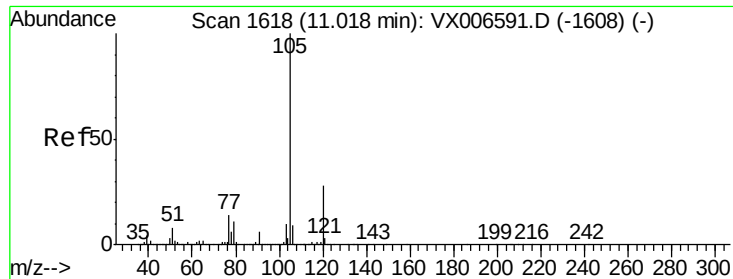


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.906 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

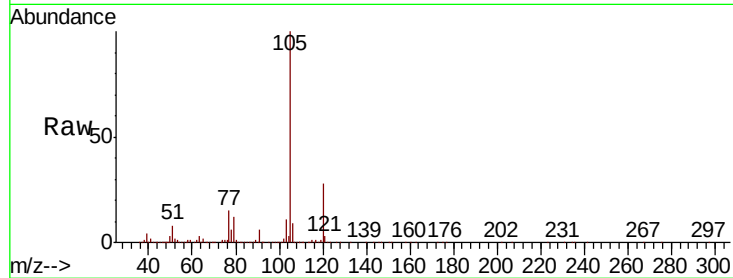
VSTDCCC050

Tot Ion:105 Resp: 1555807

Ion Ratio Lower Upper

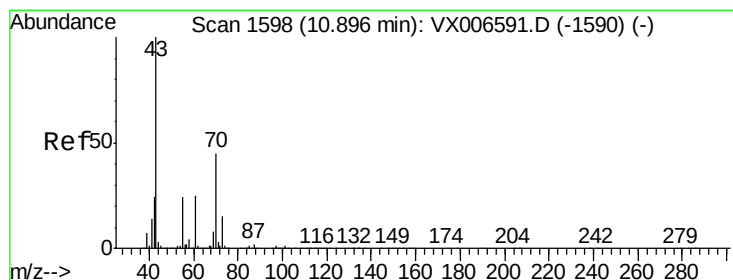
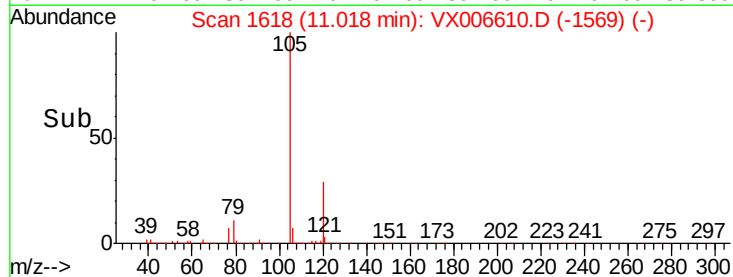
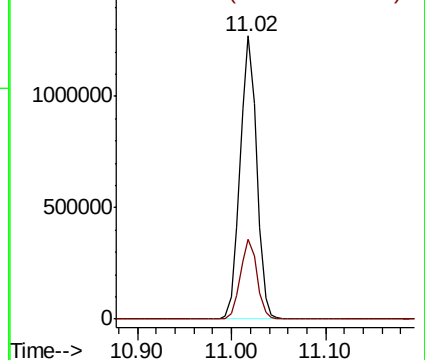
105 100

120 28.3 14.1 42.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.881 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Tgt Ion: 43 Resp: 590080

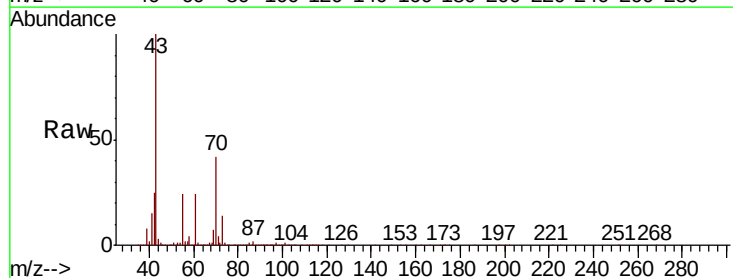
Ion Ratio Lower Upper

43 100

70 43.7 34.1 51.1

55 24.1 17.8 26.8

61 24.6 19.7 29.5

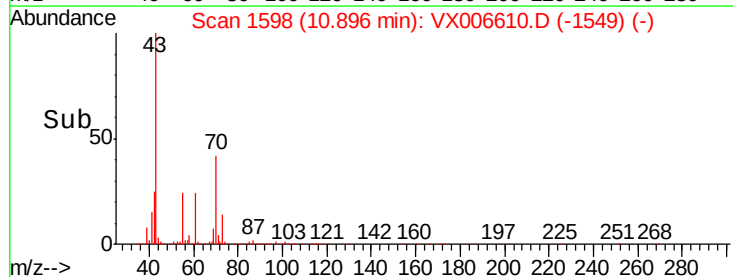
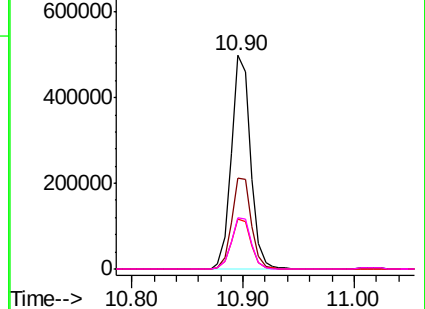


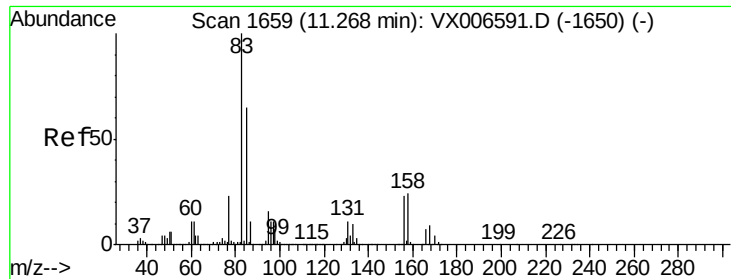
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.910 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

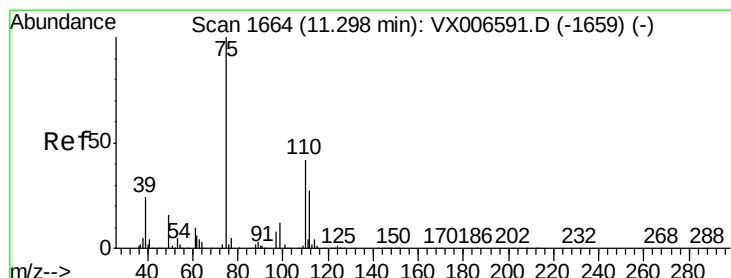
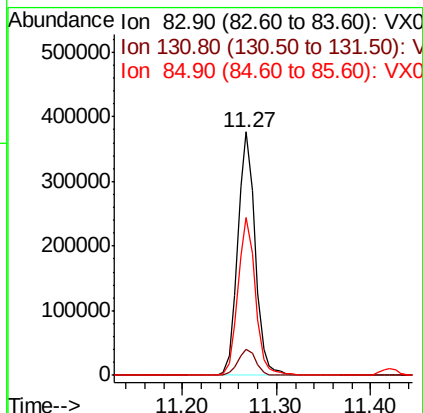
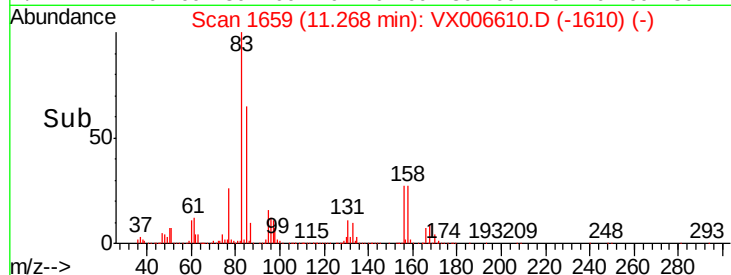
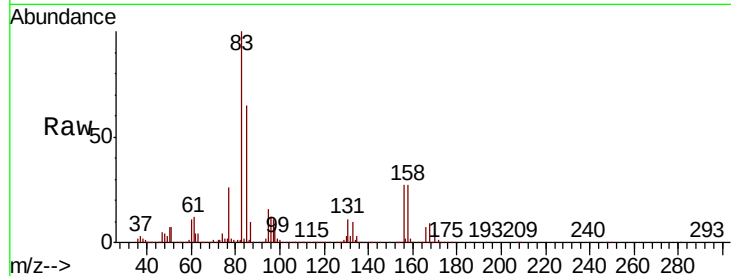
Tot Ion: 83 Resp: 481277

Ion Ratio Lower Upper

83 100

131 11.1 5.7 17.1

85 64.9 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 67.737 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006610.D

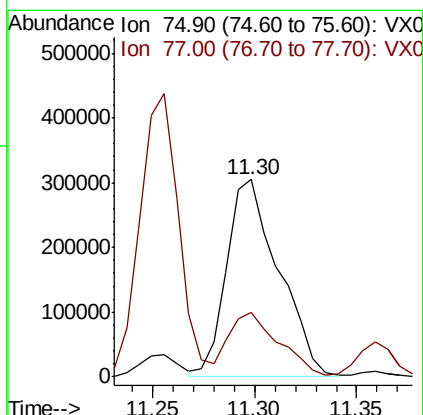
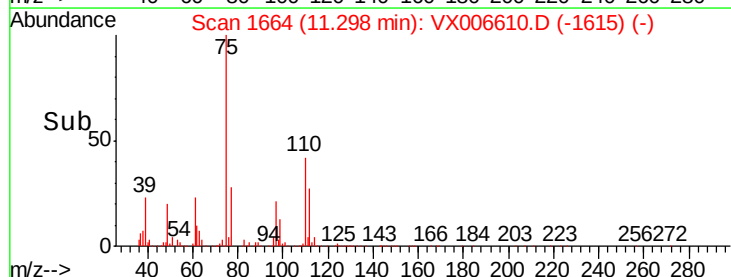
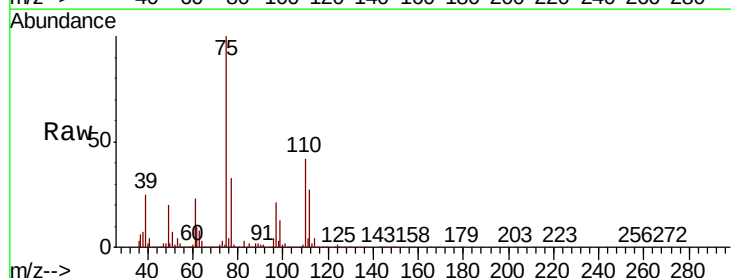
Acq: 18 Dec 2018 21:11

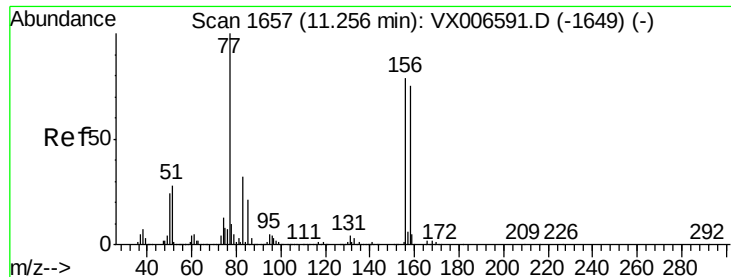
Tgt Ion: 75 Resp: 540996

Ion Ratio Lower Upper

75 100

77 31.3 19.9 59.7





#77

Bromobenzene

Concen: 50.418 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

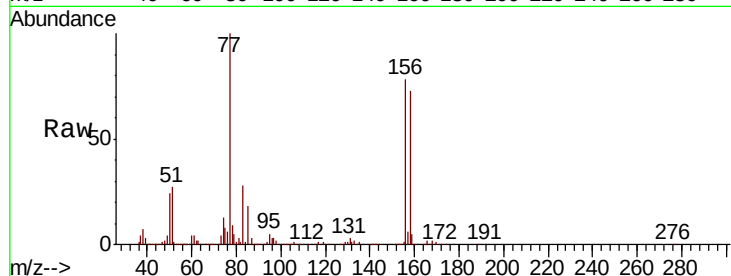
Tot Ion:156 Resp: 424932

Ion Ratio Lower Upper

156 100

77 136.2 66.2 198.6

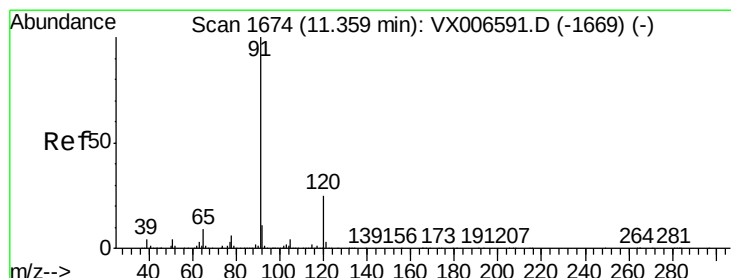
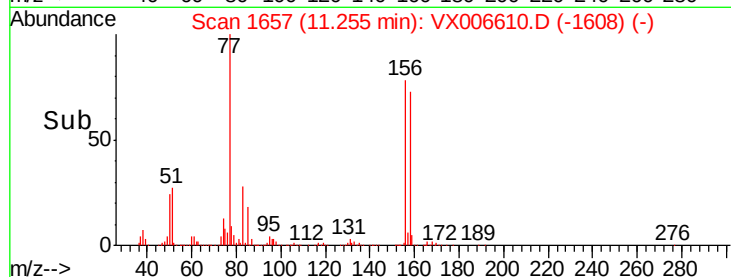
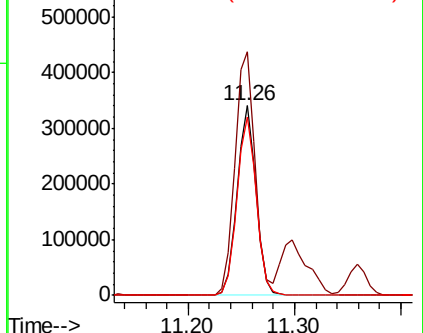
158 96.5 48.8 146.4



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: 50.509 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006610.D

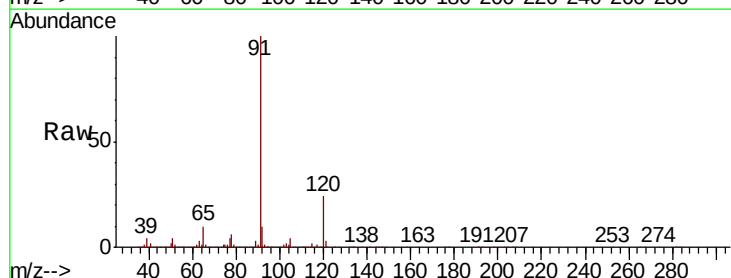
Acq: 18 Dec 2018 21:11

Tgt Ion: 91 Resp: 1733956

Ion Ratio Lower Upper

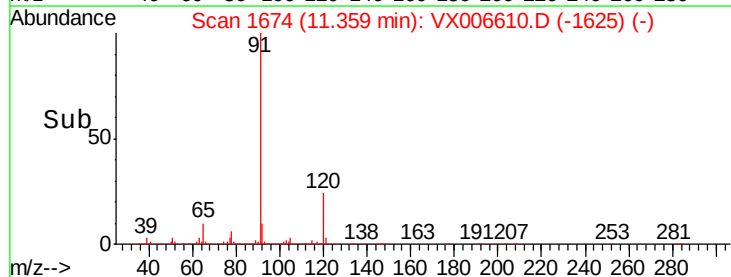
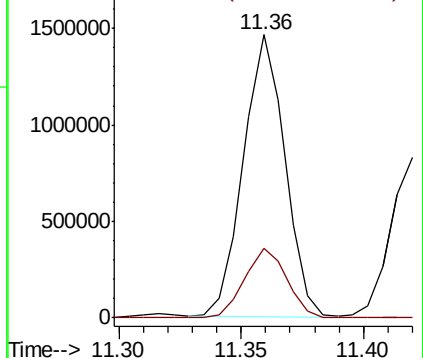
91 100

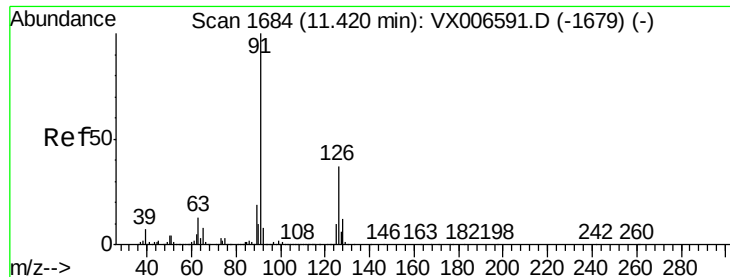
120 25.1 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.657 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

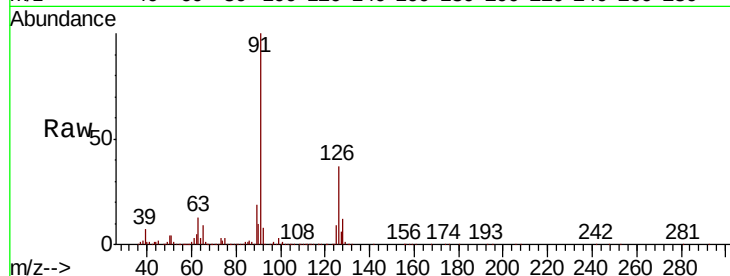
VSTDCCC050

Tot Ion: 91 Resp: 1033064

Ion Ratio Lower Upper

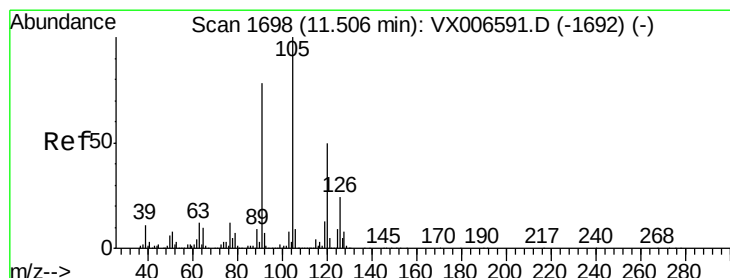
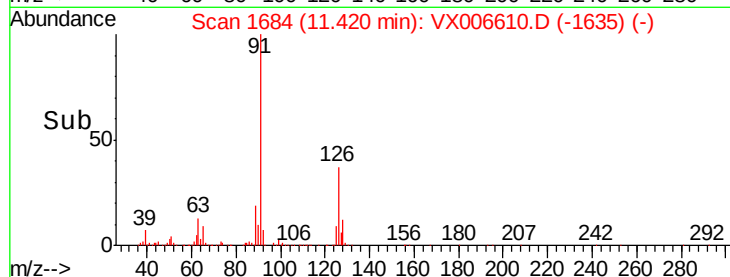
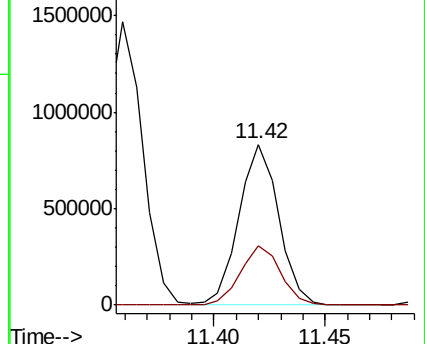
91 100

126 37.2 18.6 56.0



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

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



#80

1,3,5-Trimethylbenzene

Concen: 50.343 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006610.D

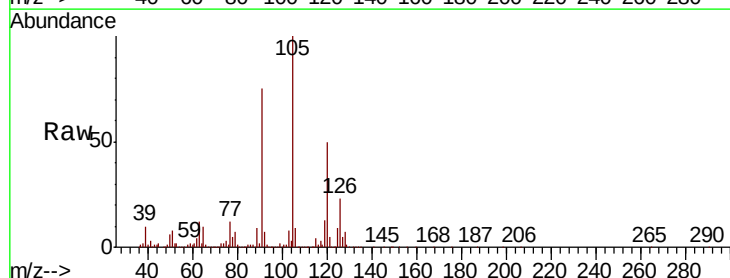
Acq: 18 Dec 2018 21:11

Tgt Ion:105 Resp: 1292673

Ion Ratio Lower Upper

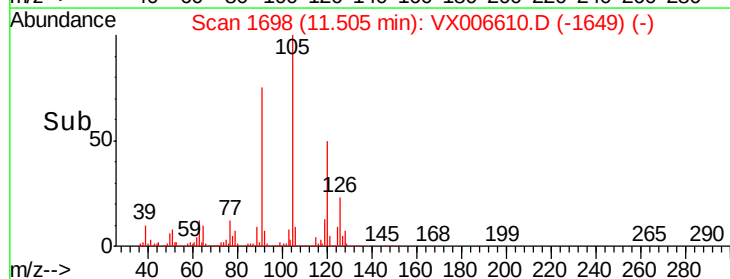
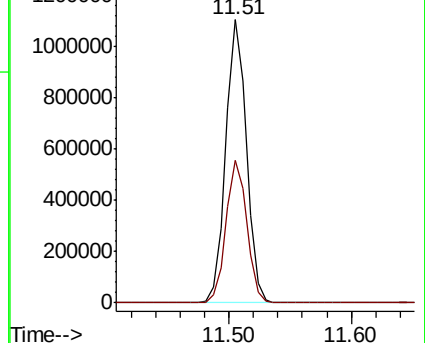
105 100

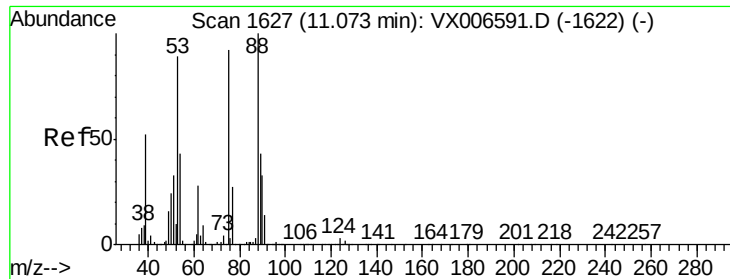
120 50.5 25.4 76.0



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 44.283 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

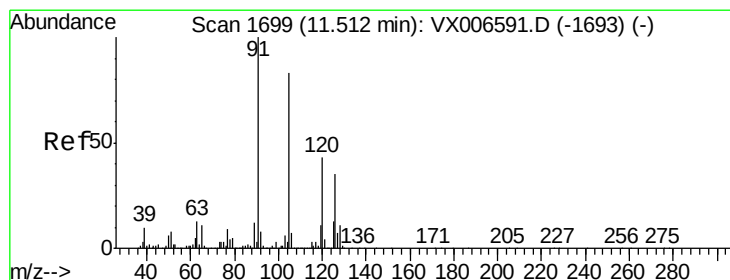
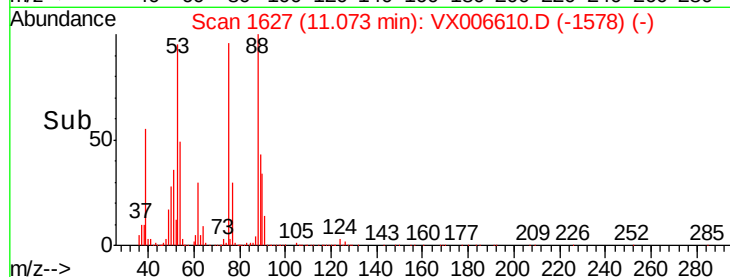
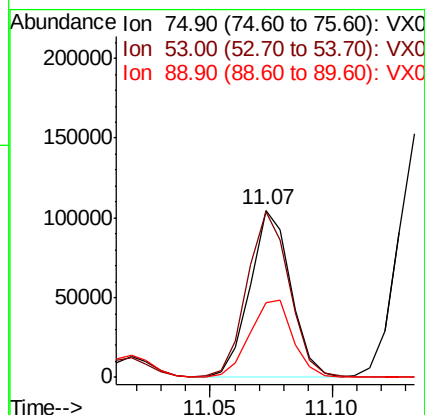
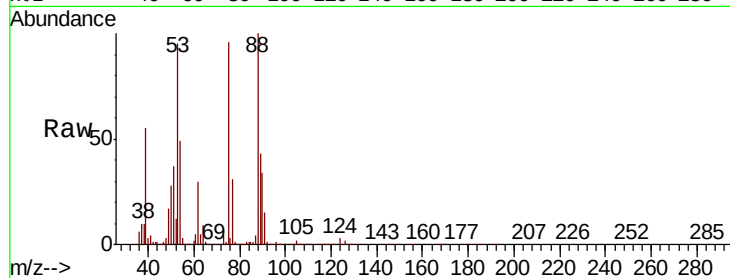
Tot Ion: 75 Resp: 121756

Ion Ratio Lower Upper

75 100

53 103.0 64.4 96.6#

89 49.1 44.2 66.4



#82

4-Chlorotoluene

Concen: 49.926 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006610.D

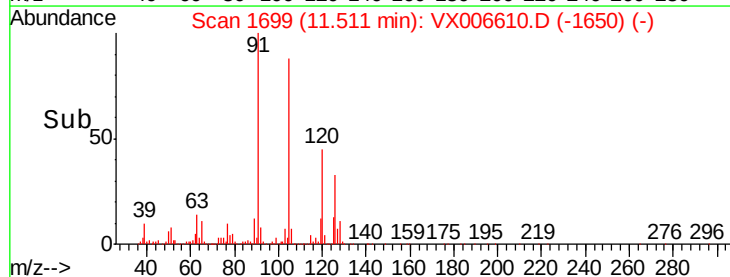
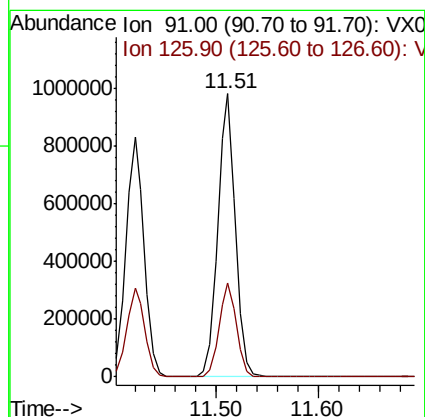
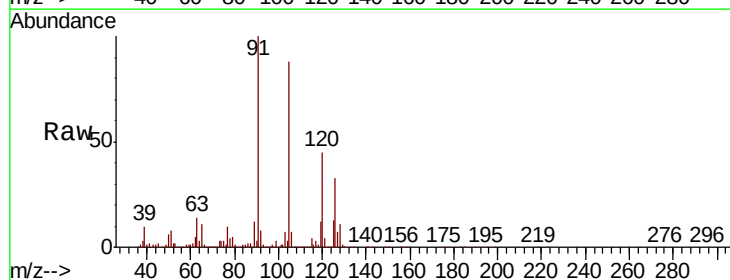
Acq: 18 Dec 2018 21:11

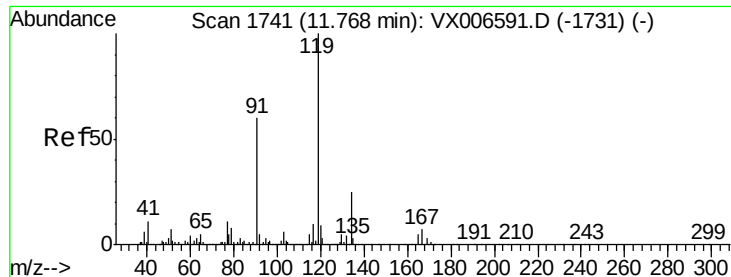
Tgt Ion: 91 Resp: 1191414

Ion Ratio Lower Upper

91 100

126 33.0 16.4 49.4





#83

tert-Butylbenzene

Concen: 51.435 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

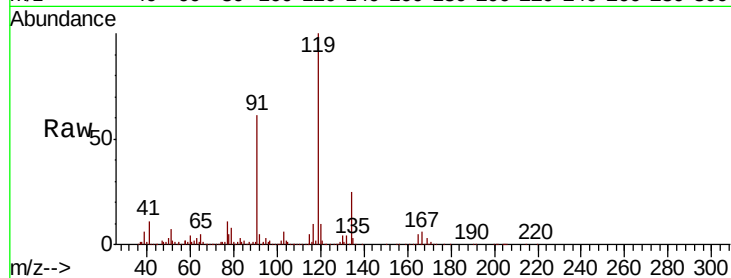
Tot Ion:119 Resp: 1321850

Ion Ratio Lower Upper

119 100

91 55.5 26.4 79.2

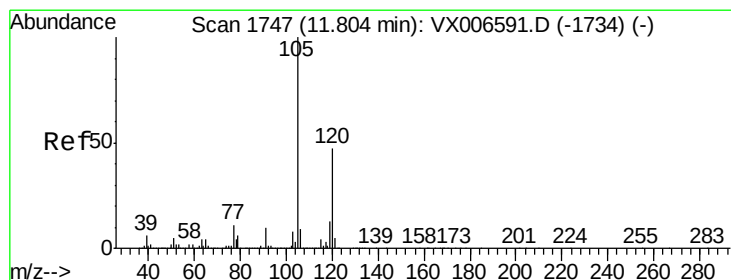
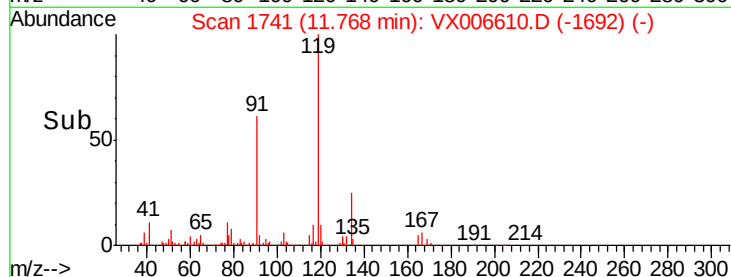
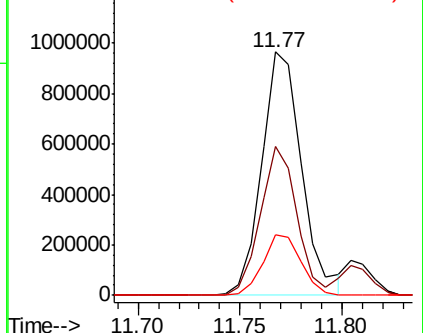
134 23.8 11.6 34.7



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: 49.270 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006610.D

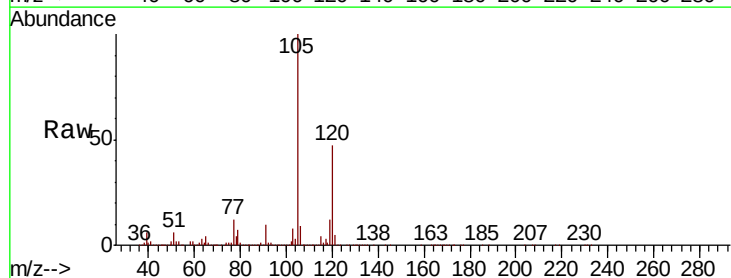
Acq: 18 Dec 2018 21:11

Tgt Ion:105 Resp: 1330712

Ion Ratio Lower Upper

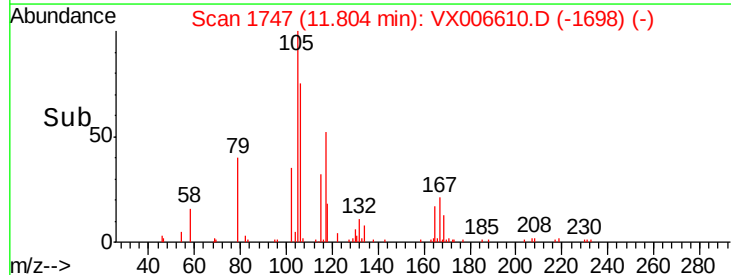
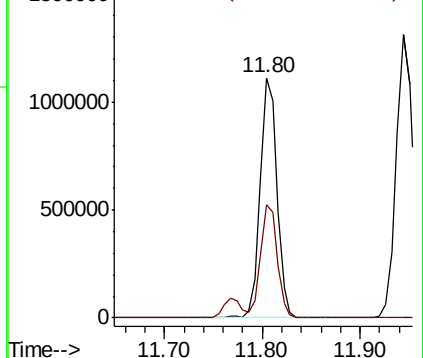
105 100

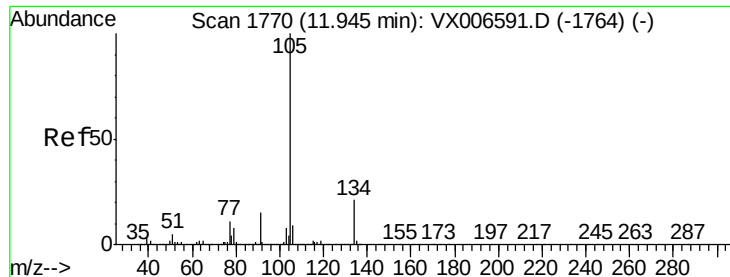
120 46.9 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.202 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

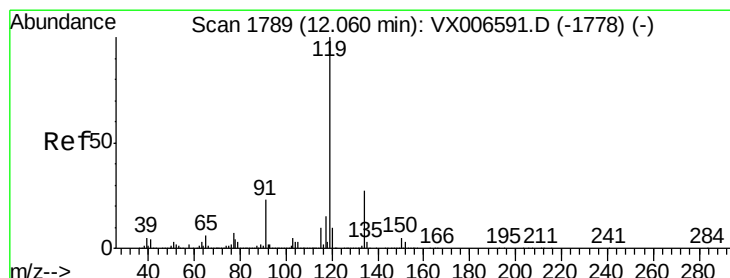
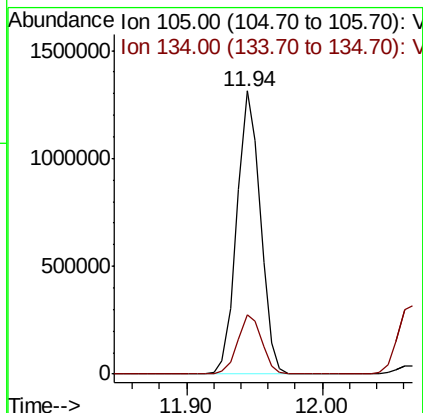
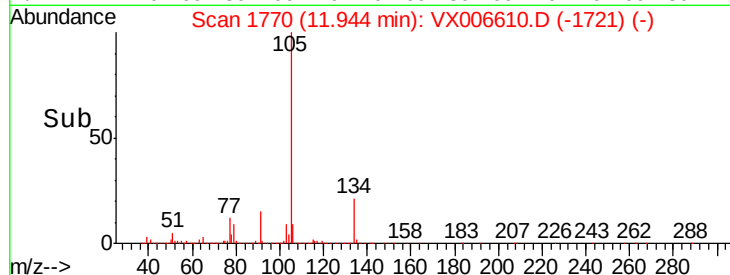
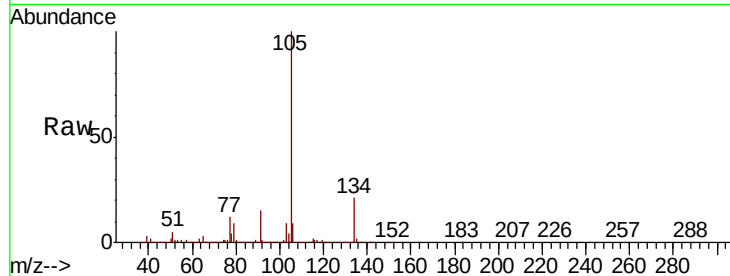
VSTDCCC050

Tot Ion:105 Resp: 1581787

Ion Ratio Lower Upper

105 100

134 21.2 10.8 32.4



#86

p-Isopropyltoluene

Concen: 51.364 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

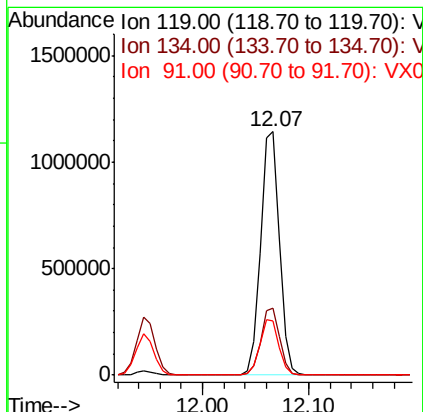
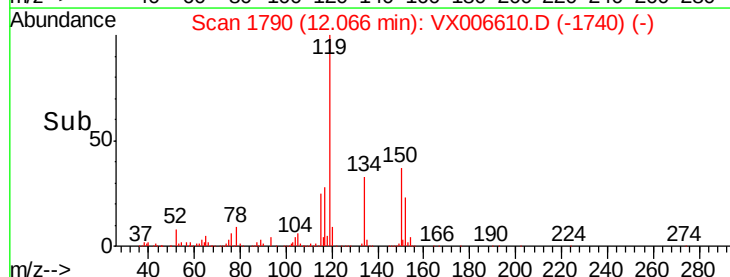
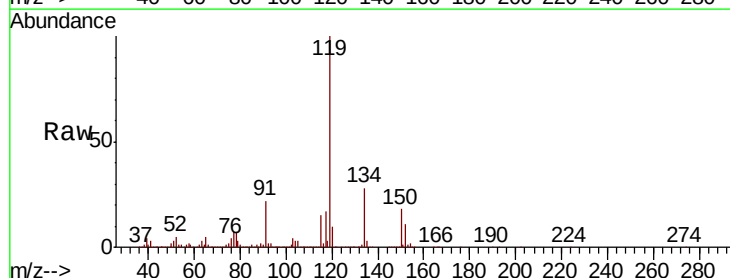
Tgt Ion:119 Resp: 1422654

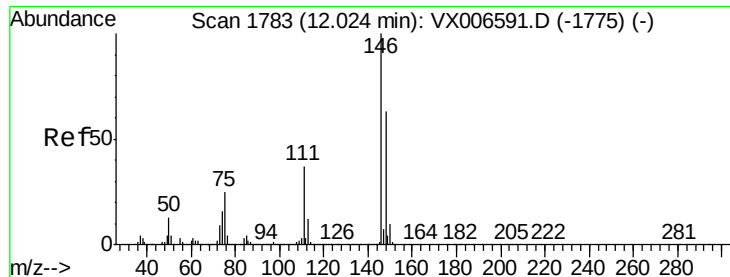
Ion Ratio Lower Upper

119 100

134 27.4 13.9 41.6

91 22.7 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 50.539 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

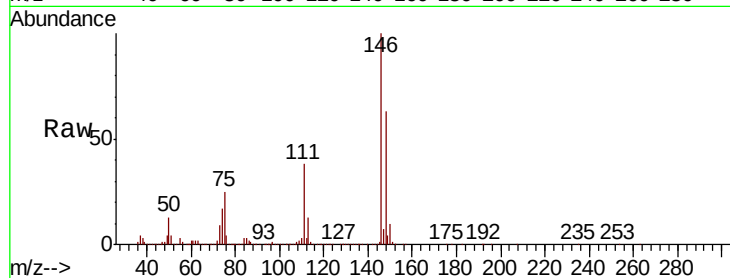
Tot Ion:146 Resp: 767681

Ion Ratio Lower Upper

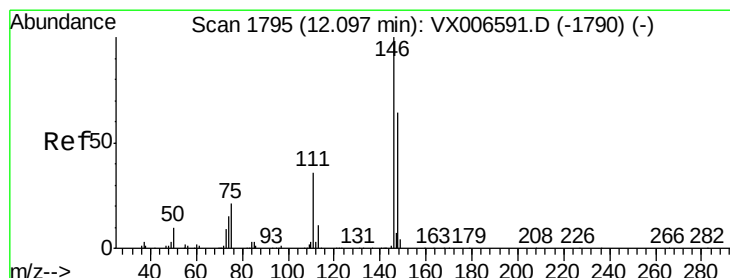
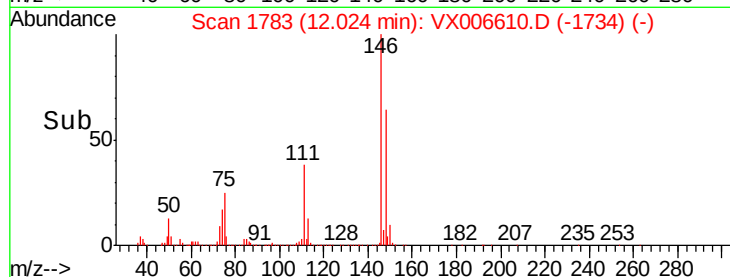
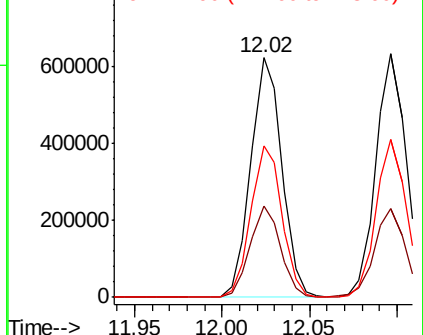
146 100

111 37.6 18.4 55.2

148 63.5 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: 49.038 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

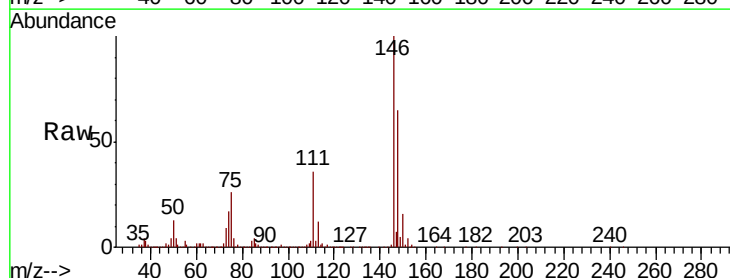
Tgt Ion:146 Resp: 764514

Ion Ratio Lower Upper

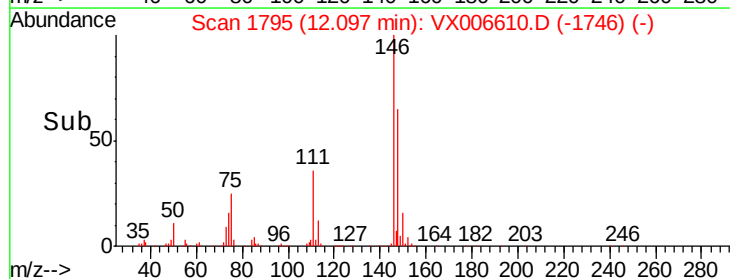
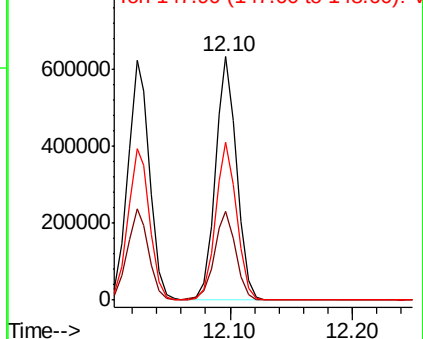
146 100

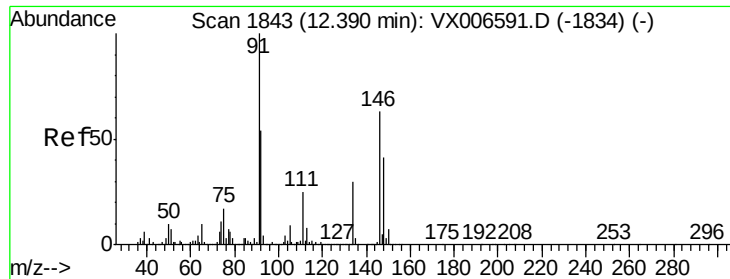
111 37.0 18.3 54.8

148 64.5 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

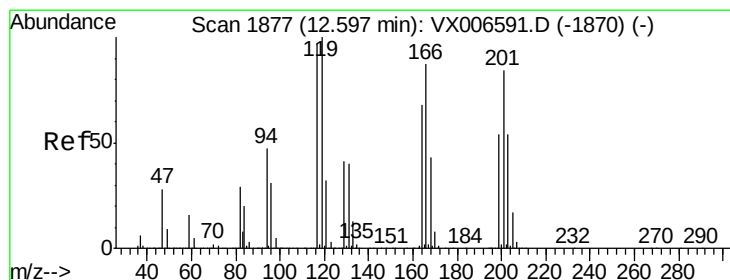
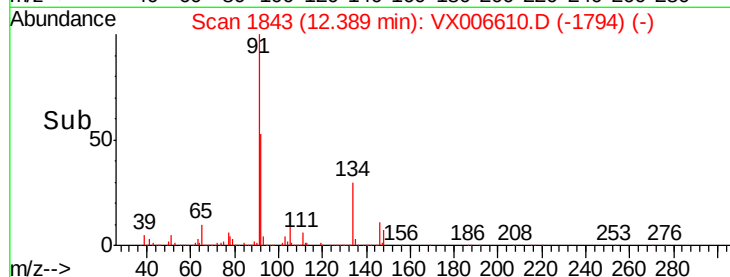
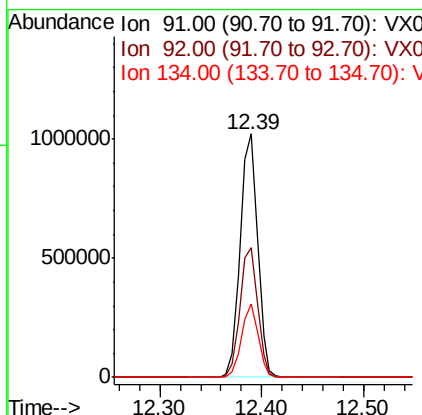
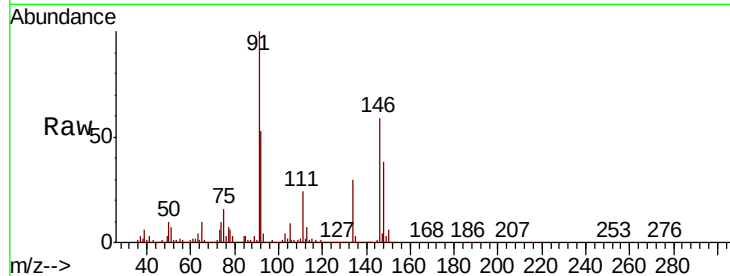




#89
n-Butylbenzene
Concen: 50.794 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

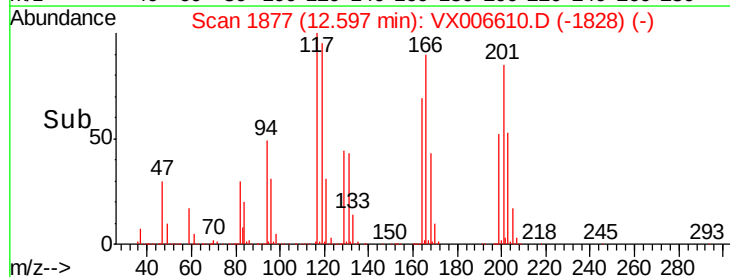
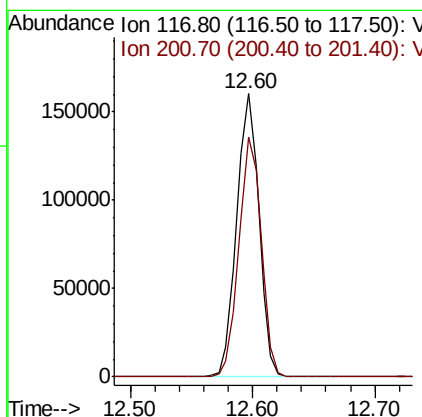
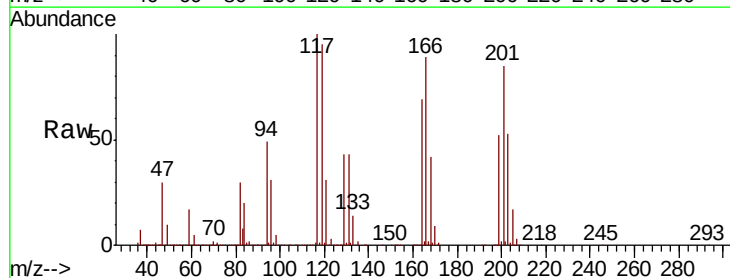
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

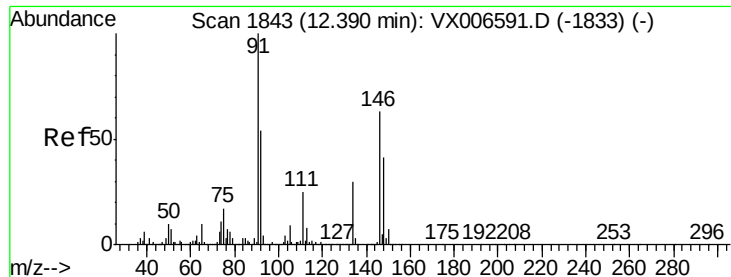
Tot Ion: 91 Resp: 1197300
Ion Ratio Lower Upper
91 100
92 53.6 26.6 79.8
134 28.8 14.8 44.3



#90
Hexachloroethane
Concen: 46.584 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion: 117 Resp: 200889
Ion Ratio Lower Upper
117 100
201 85.5 44.7 134.1





#91

1,2-Dichlorobenzene

Concen: 49.434 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

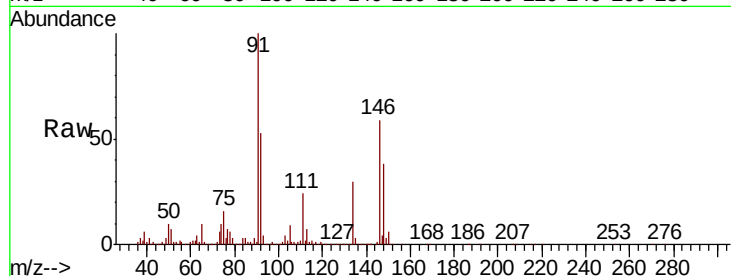
Tot Ion:146 Resp: 751146

Ion Ratio Lower Upper

146 100

111 38.8 19.1 57.3

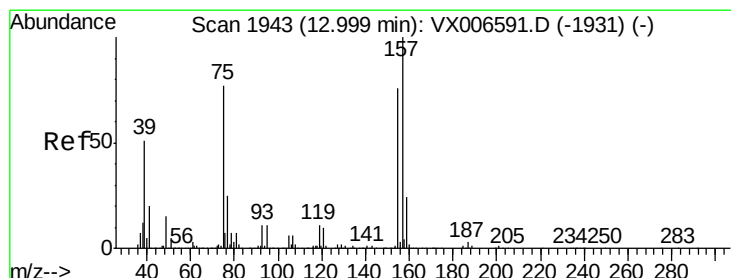
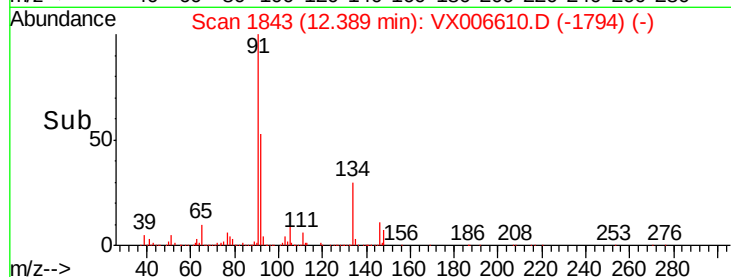
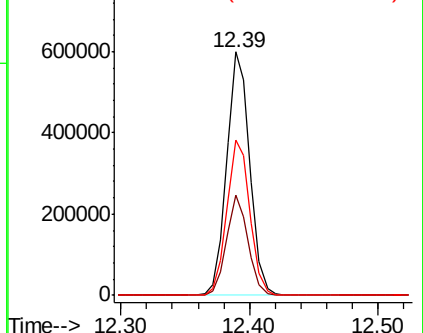
148 64.1 32.1 96.3



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: 51.857 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

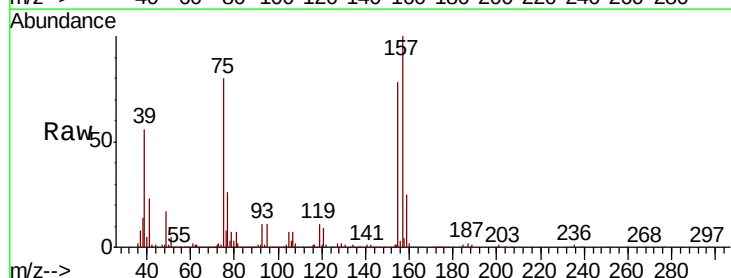
Tgt Ion: 75 Resp: 99482

Ion Ratio Lower Upper

75 100

155 102.6 53.4 160.3

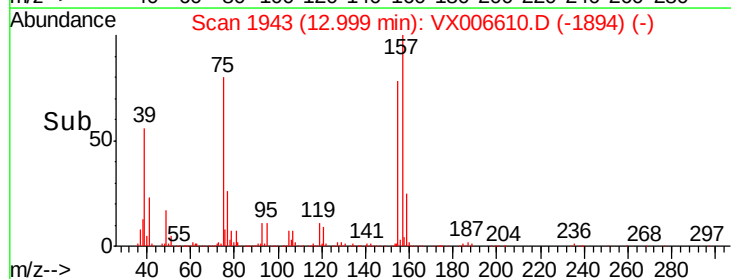
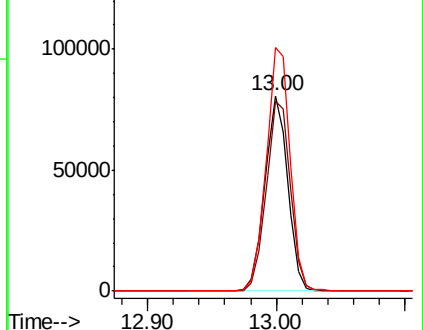
157 129.8 68.0 203.8

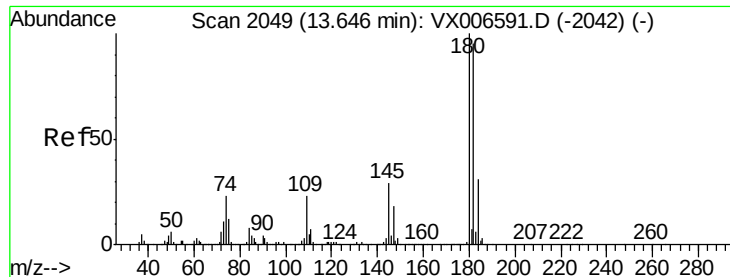


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

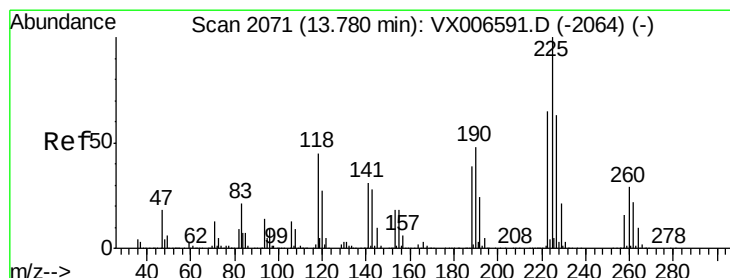
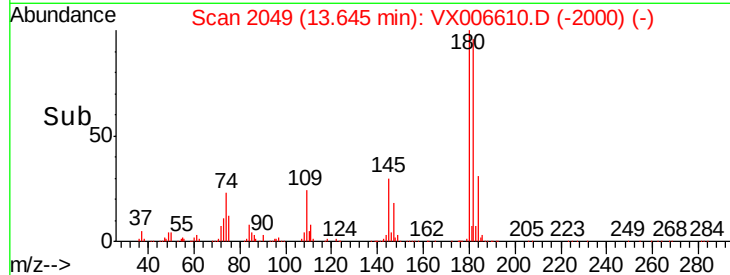
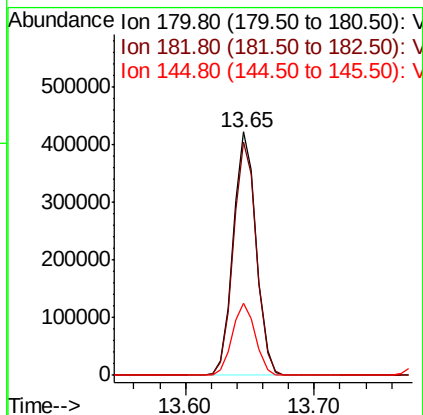
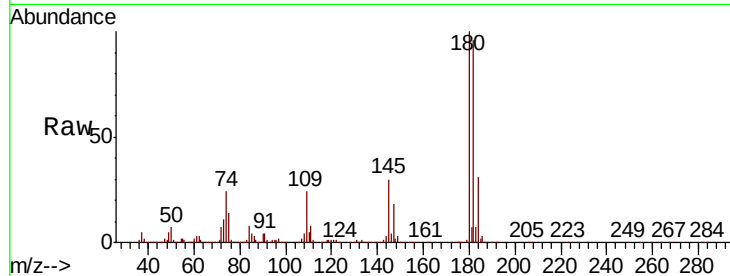




#93
 1,2,4-Trichlorobenzene
 Concen: 50.119 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

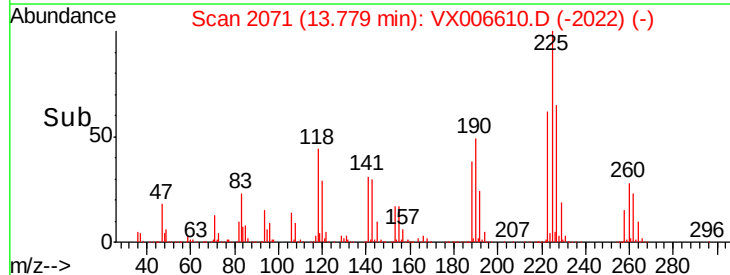
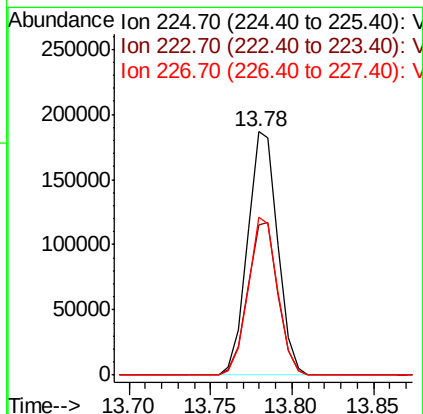
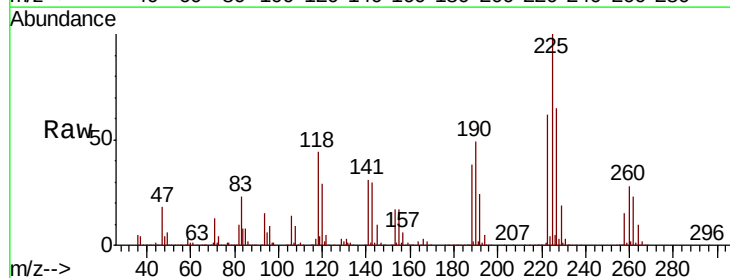
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

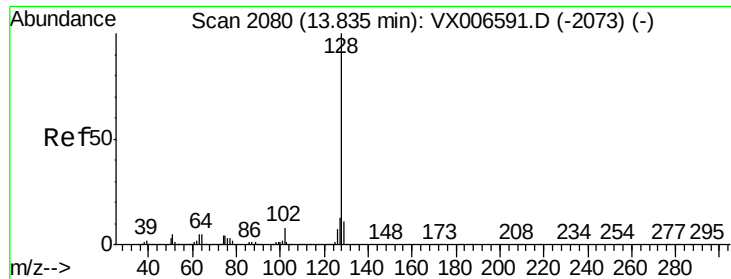
Tot Ion:180 Resp: 525320
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.3 141.9
 145 29.9 14.6 43.8



#94
 Hexachlorobutadiene
 Concen: 48.687 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

Tgt Ion:225 Resp: 240534
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.2 93.6
 227 63.6 31.9 95.5





#95

Naphthalene

Concen: 50.547 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

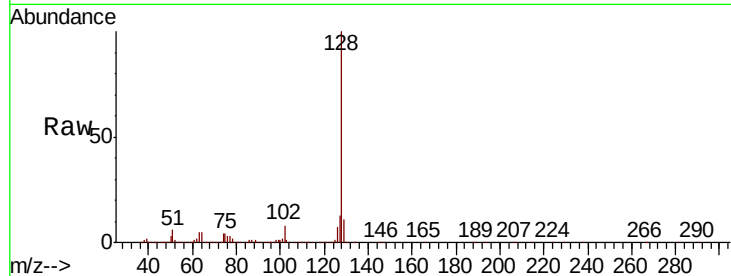
MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1690972

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

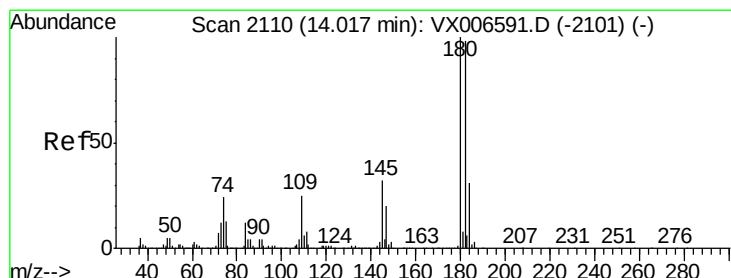
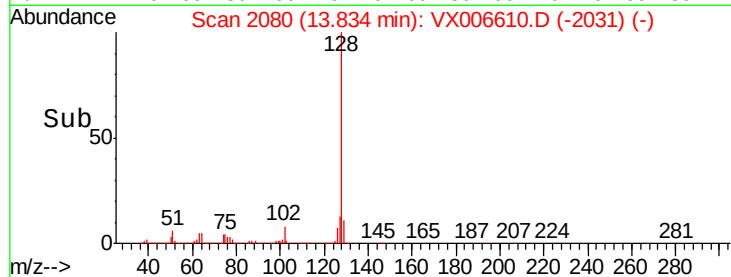
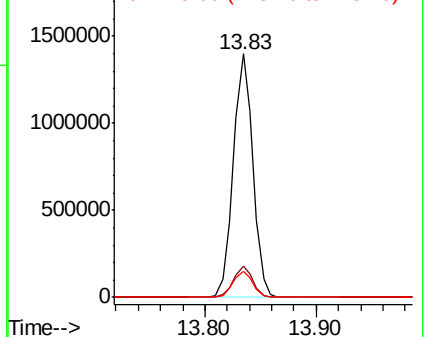


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.250 ug/l

RT: 14.02 min Scan# 2110

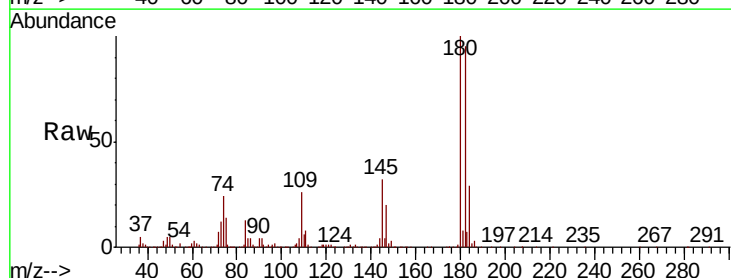
Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Tgt Ion:180 Resp: 532979

Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.4	145.2
145	31.8	15.6	46.8



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

