

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122118\
 Data File : VX006722.D
 Acq On : 21 Dec 2018 14:36
 Operator : JC/MD
 Sample : VX1221WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD01

Quant Time: Dec 22 04:03:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	575091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	889888	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	791492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	394234	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	311683	50.29	ug/l	0.01
Spiked Amount			Recovery	=	100.58%	
35) Dibromofluoromethane	5.51	113	279800	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
50) Toluene-d8	8.71	98	1046739	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.14	95	373874	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	93930	17.854	ug/l	97
3) Chloromethane	1.33	50	92933	16.396	ug/l	96
4) Vinyl Chloride	1.41	62	111454	18.828	ug/l	99
5) Bromomethane	1.64	94	76845	12.472	ug/l	95
6) Chloroethane	1.73	64	70449	17.187	ug/l	99
7) Trichlorofluoromethane	1.93	101	182277	19.750	ug/l	97
8) Diethyl Ether	2.19	74	72281	19.718	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	105222	19.417	ug/l	98
10) Methyl Iodide	2.51	142	87232	11.245	ug/l	98
11) Tert butyl alcohol	3.07	59	144509	104.471	ug/l	99
12) 1,1-Dichloroethene	2.38	96	99403	19.346	ug/l	97
13) Acrolein	2.30	56	91902	98.486	ug/l	98
14) Allyl chloride	2.73	41	169307	19.575	ug/l	99
15) Acrylonitrile	3.15	53	320973	104.510	ug/l	98
16) Acetone	2.45	43	269758	94.732	ug/l	96
17) Carbon Disulfide	2.57	76	230283	16.935	ug/l	99
18) Methyl Acetate	2.78	43	185880	22.199	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	358303	21.010	ug/l	99
20) Methylene Chloride	2.86	84	111305	18.903	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	106850	18.768	ug/l	95
22) Diisopropyl ether	3.87	45	324403	20.502	ug/l	96
23) Vinyl Acetate	3.82	43	1278433	98.778	ug/l	100
24) 1,1-Dichloroethane	3.70	63	180688	19.130	ug/l	99
25) 2-Butanone	4.71	43	400172	99.906	ug/l	98
26) 2,2-Dichloropropane	4.59	77	110756	15.180	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	122871	19.561	ug/l	99
28) Bromochloromethane	5.01	49	84229	20.044	ug/l	99
29) Tetrahydrofuran	5.16	42	273387	103.628	ug/l	98
30) Chloroform	5.21	83	191760	19.605	ug/l	97
31) Cyclohexane	5.58	56	162265	18.910	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	156796	18.985	ug/l	98
36) 1,1-Dichloropropene	5.80	75	140811	19.105	ug/l	99
37) Ethyl Acetate	4.86	43	156024	20.339	ug/l	99
38) Carbon Tetrachloride	5.78	117	132011	18.430	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX122118\
 Data File : VX006722.D
 Acq On : 21 Dec 2018 14:36
 Operator : JC/MD
 Sample : VX1221WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD01

Quant Time: Dec 22 04:03:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	175116	18.047	ug/l	99
40) Benzene	6.14	78	438834	19.588	ug/l	99
41) Methacrylonitrile	5.06	41	84442	20.733	ug/l	99
42) 1,2-Dichloroethane	6.20	62	149397	19.570	ug/l	99
43) Isopropyl Acetate	6.46	43	234733	20.111	ug/l	100
44) Trichloroethene	7.21	130	126487	18.654	ug/l	93
45) 1,2-Dichloropropane	7.52	63	110026	20.181	ug/l	96
46) Dibromomethane	7.66	93	77507	19.328	ug/l	99
47) Bromodichloromethane	7.90	83	123617	18.568	ug/l	98
48) Methyl methacrylate	7.77	41	123677	20.837	ug/l	98
49) 1,4-Dioxane	7.76	88	58440	363.652	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	783551	105.507	ug/l	99
52) Toluene	8.79	92	279186	19.289	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	122746	17.191	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	143503	18.316	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	119808	20.223	ug/l	99
56) Ethyl methacrylate	9.18	69	169572	20.252	ug/l	98
57) 1,3-Dichloropropane	9.37	76	190011	19.935	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	447874	100.625	ug/l	99
59) 2-Hexanone	9.49	43	583994	102.776	ug/l	99
60) Dibromochloromethane	9.59	129	101673	17.971	ug/l	100
61) 1,2-Dibromoethane	9.67	107	124270	19.733	ug/l	99
64) Tetrachloroethene	9.34	164	120466	19.221	ug/l	93
65) Chlorobenzene	10.14	112	326358	19.490	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	106070	20.303	ug/l	98
67) Ethyl Benzene	10.25	91	535887	19.585	ug/l	97
68) m/p-Xylenes	10.36	106	419433	38.847	ug/l	100
69) o-Xylene	10.70	106	207287	19.442	ug/l	98
70) Styrene	10.71	104	329520	19.536	ug/l	99
71) Bromoform	10.86	173	71201	18.222	ug/l #	98
73) Isopropylbenzene	11.02	105	553428	20.520	ug/l	99
74) N-amyl acetate	10.90	43	210325	21.787	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	177418	22.119	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	178205	24.323	ug/l	91
77) Bromobenzene	11.26	156	147813	20.272	ug/l	99
78) n-propylbenzene	11.36	91	596816	20.095	ug/l	100
79) 2-Chlorotoluene	11.42	91	357495	19.863	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	454077	20.441	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	31719	16.292	ug/l #	84
82) 4-Chlorotoluene	11.51	91	410395	19.878	ug/l	100
83) tert-Butylbenzene	11.77	119	455197	20.474	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	456646	19.543	ug/l	99
85) sec-Butylbenzene	11.94	105	549054	20.142	ug/l	100
86) p-Isopropyltoluene	12.07	119	482389	20.131	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	258795	19.693	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	258064	19.156	ug/l	99
89) n-Butylbenzene	12.39	91	400063	19.618	ug/l	99
90) Hexachloroethane	12.60	117	62270	18.804	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	261444	19.888	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	31941	19.246	ug/l	98

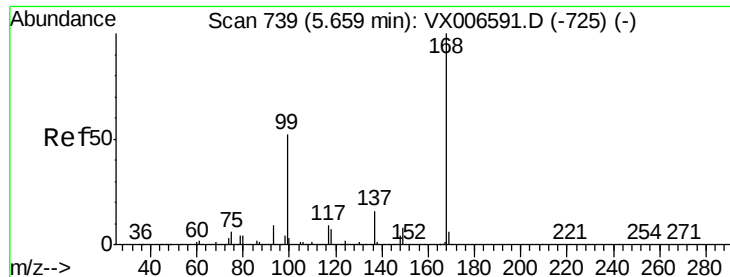
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122118\
Data File : VX006722.D
Acq On : 21 Dec 2018 14:36
Operator : JC/MD
Sample : VX1221WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

Quant Time: Dec 22 04:03:07 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	176847	19.503	ug/l	99
94) Hexachlorobutadiene	13.79	225	81638	19.101	ug/l	97
95) Naphthalene	13.83	128	579214	20.013	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	184719	19.730	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

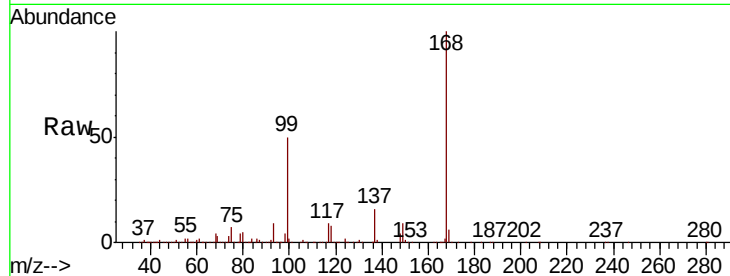
VX1221WBSD01

Tot Ion:168 Resp: 575091

Ion Ratio Lower Upper

168 100

99 49.7 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): VX006591.D (-725) (-)

Ion 98.90 (98.60 to 99.60): VX006591.D (-725) (-)

5.67

200000

150000

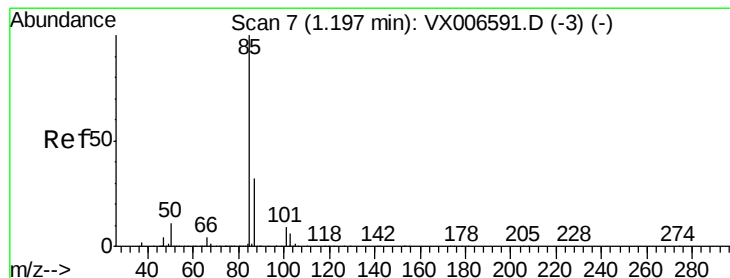
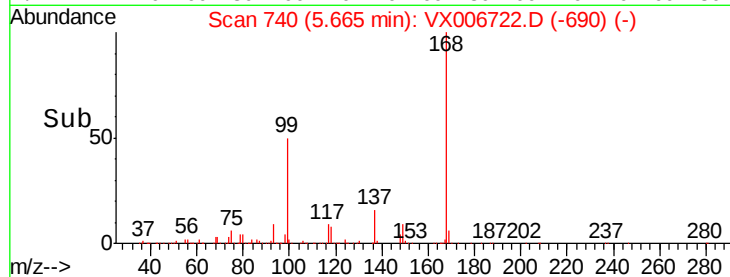
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.854 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006722.D

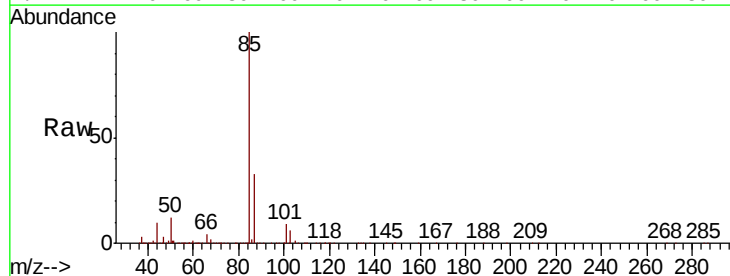
Acq: 21 Dec 2018 14:36

Tgt Ion: 85 Resp: 93930

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX006591.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VX006591.D (-3) (-)

1.20

80000

60000

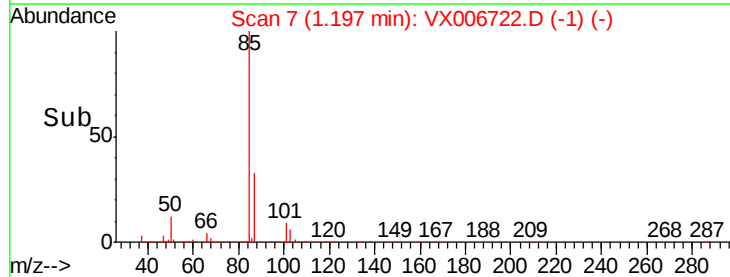
40000

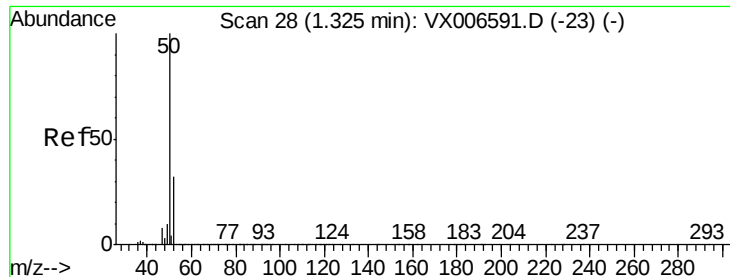
20000

0

1.15 1.20 1.25 1.30

Time-->

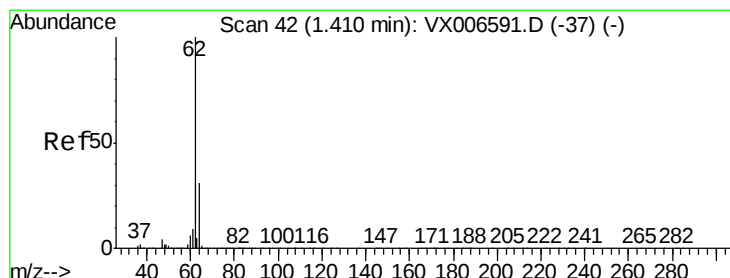
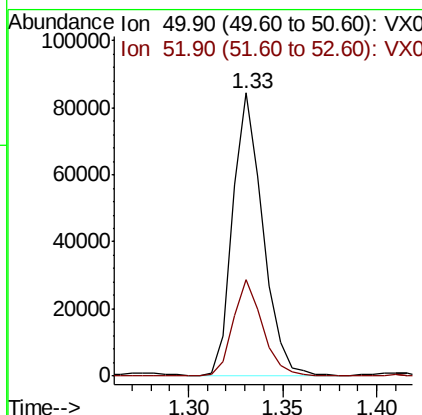
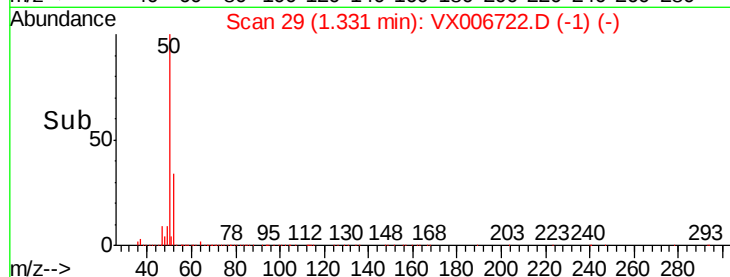
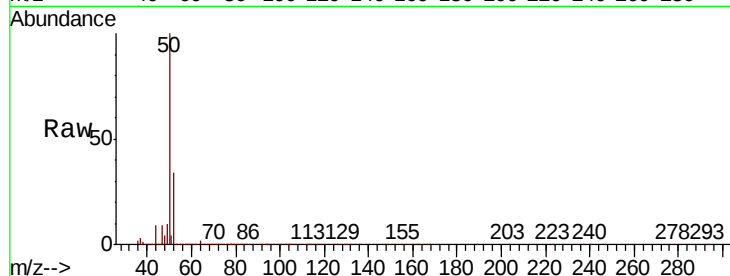




#3
Chloromethane
Concen: 16.396 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.01 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

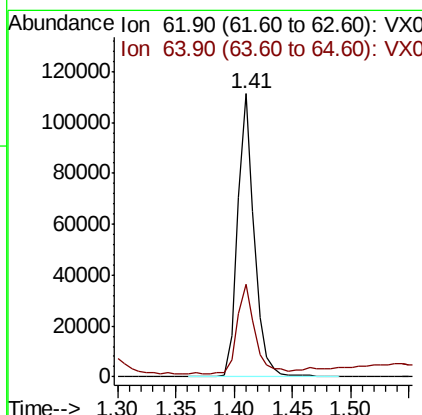
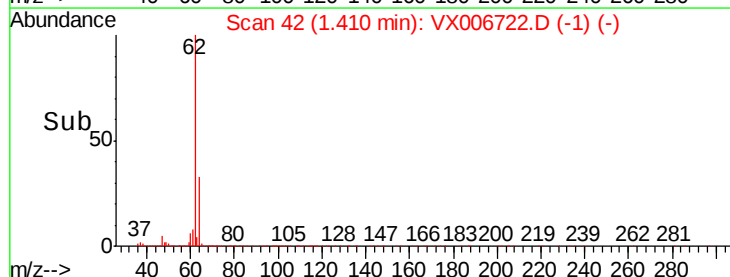
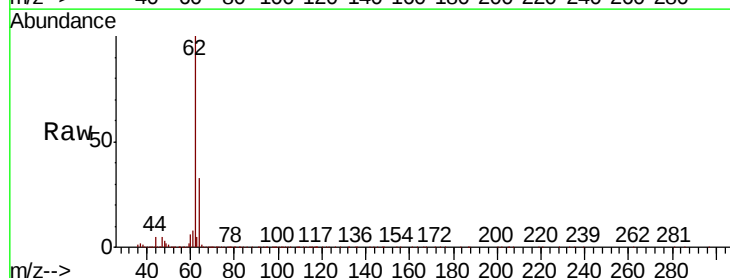
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

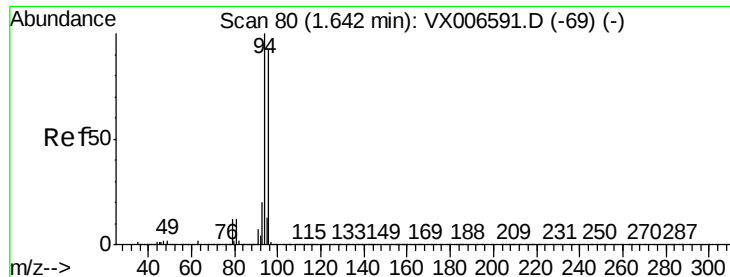
Tot Ion: 50 Resp: 92933
Ion Ratio Lower Upper
50 100
52 33.9 25.4 38.2



#4
Vinyl Chloride
Concen: 18.828 ug/l
RT: 1.41 min Scan# 42
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion: 62 Resp: 111454
Ion Ratio Lower Upper
62 100
64 31.7 25.1 37.7





#5

Bromomethane

Concen: 12.472 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

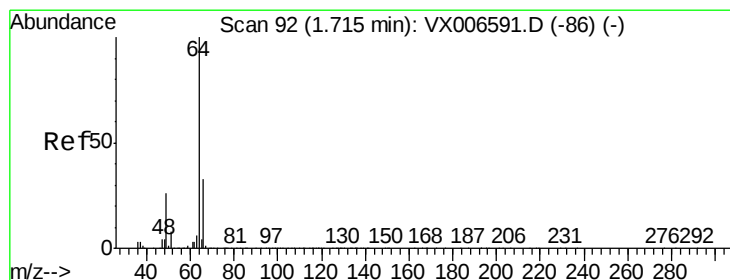
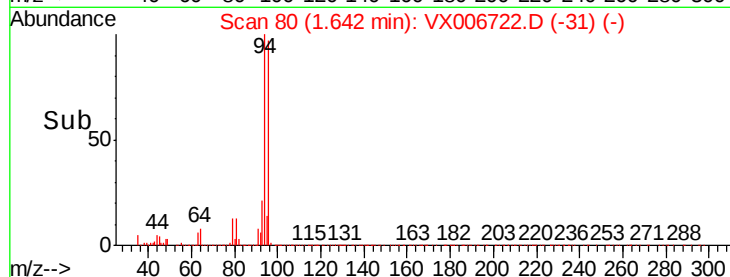
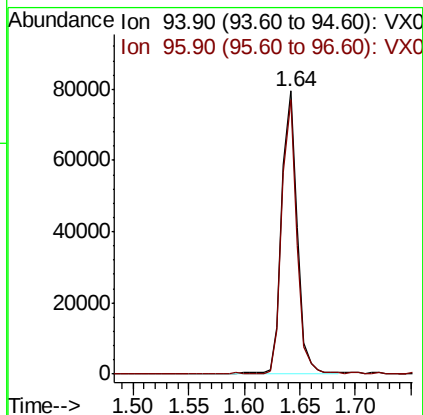
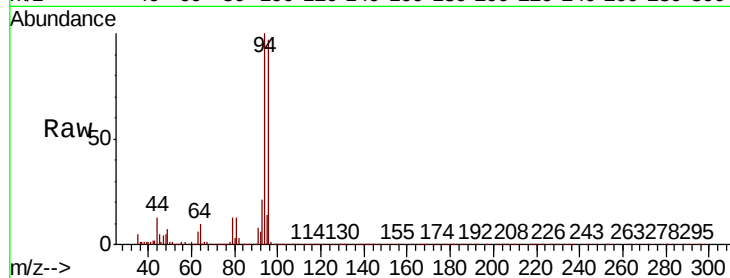
VX1221WBSD01

Tot Ion: 94 Resp: 76845

Ion Ratio Lower Upper

94 100

96 96.9 73.4 110.2



#6

Chloroethane

Concen: 17.187 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX006722.D

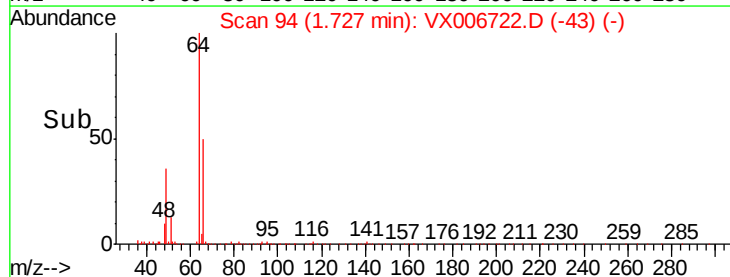
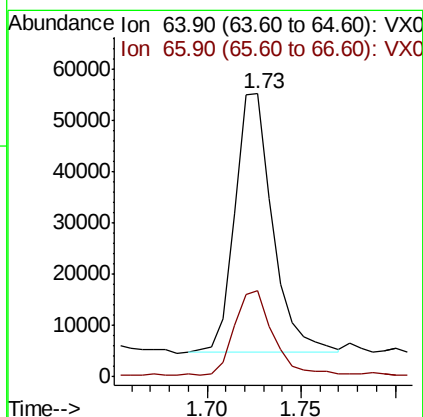
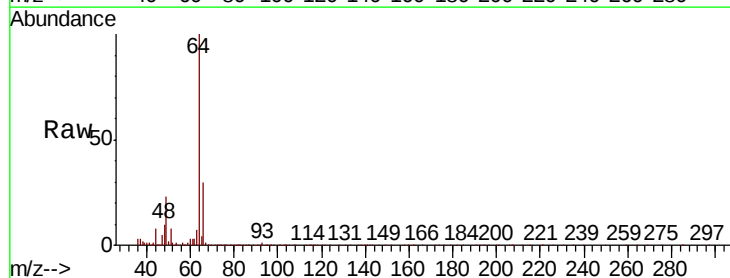
Acq: 21 Dec 2018 14:36

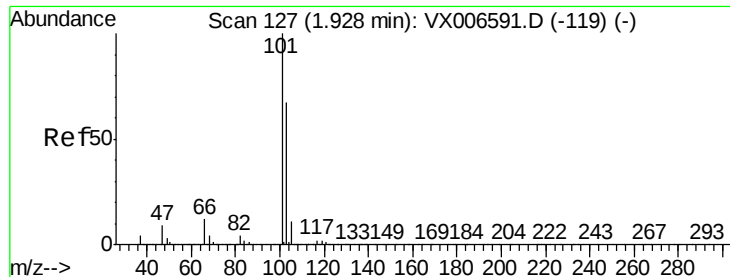
Tgt Ion: 64 Resp: 70449

Ion Ratio Lower Upper

64 100

66 32.2 26.4 39.6



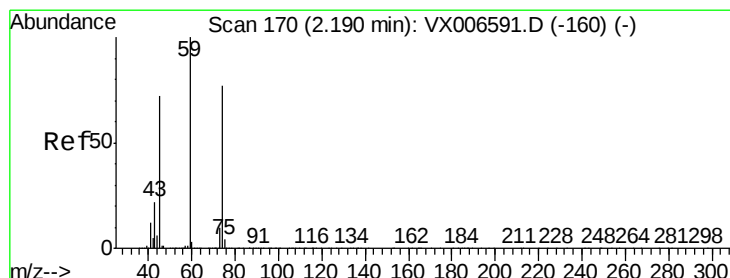
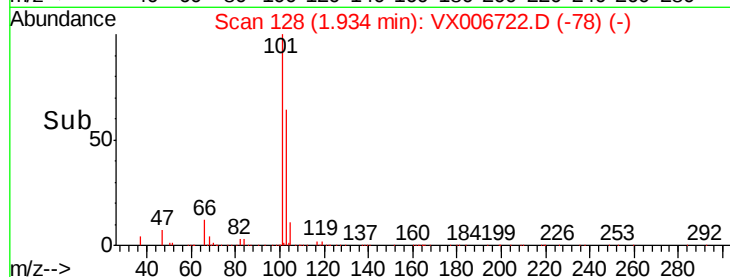
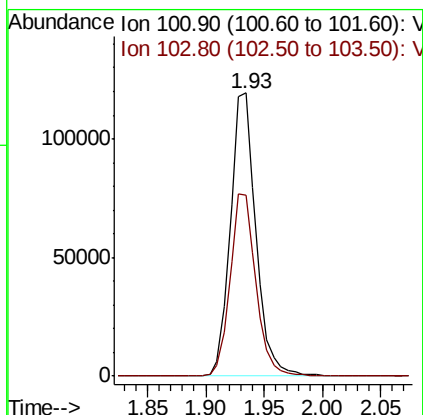
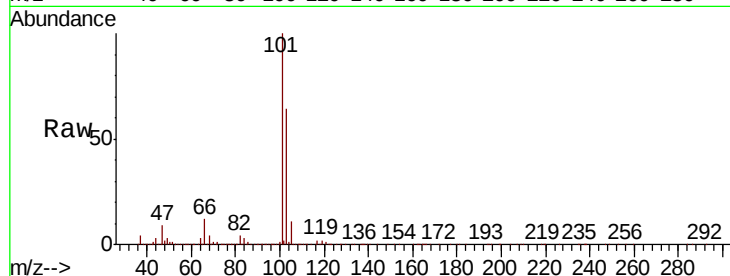


#7

Trichlorofluoromethane
 Concen: 19.750 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VX006722.D
 Acq: 21 Dec 2018 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD01

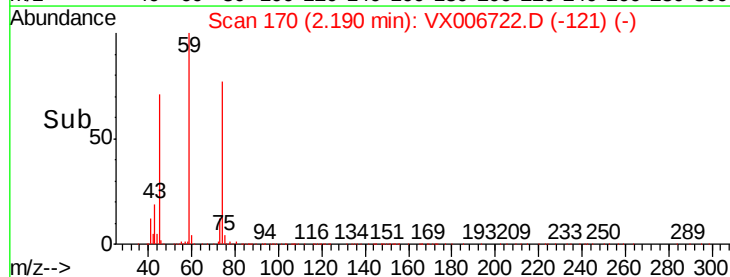
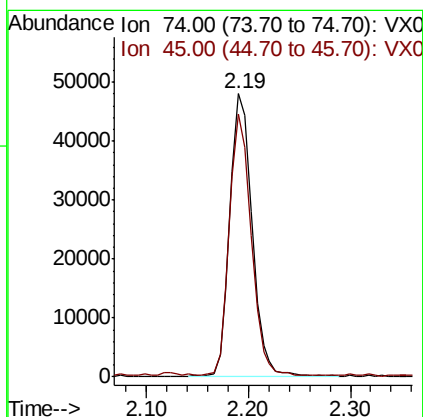
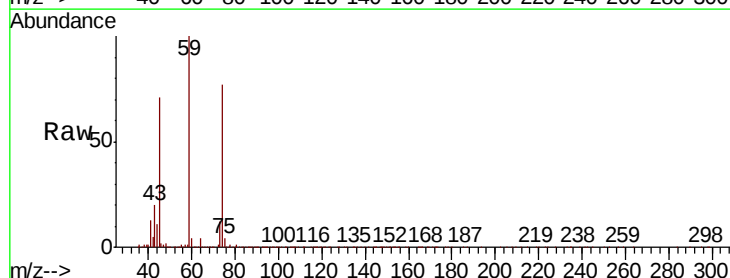
Tot Ion:101 Resp: 182277
 Ion Ratio Lower Upper
 101 100
 103 63.9 53.2 79.8

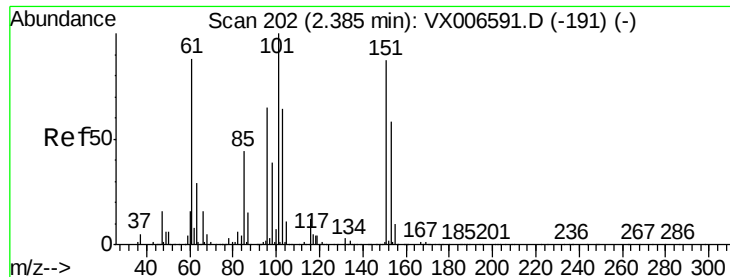


#8

Diethyl Ether
 Concen: 19.718 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX006722.D
 Acq: 21 Dec 2018 14:36

Tgt Ion: 74 Resp: 72281
 Ion Ratio Lower Upper
 74 100
 45 91.0 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.417 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

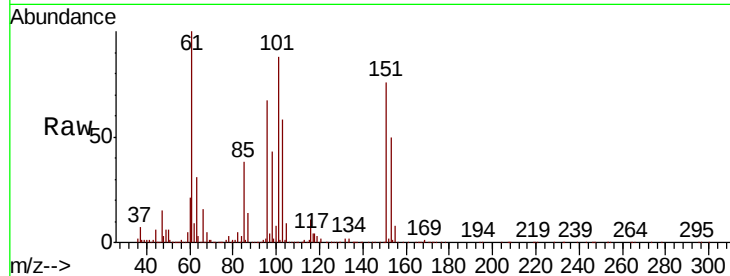
Tot Ion:101 Resp: 105222

Ion Ratio Lower Upper

101 100

85 44.2 35.1 52.7

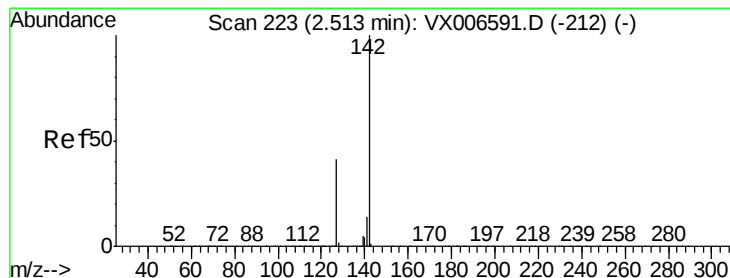
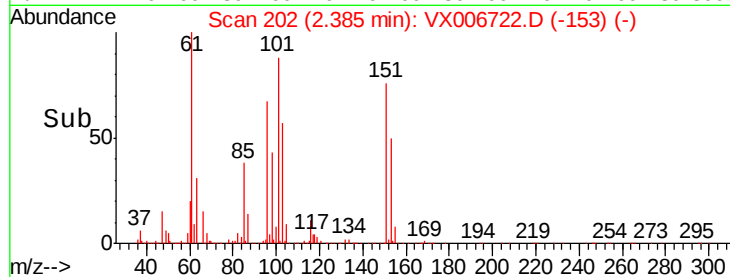
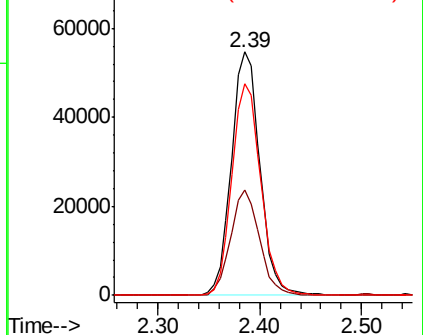
151 88.4 68.9 103.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 11.245 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

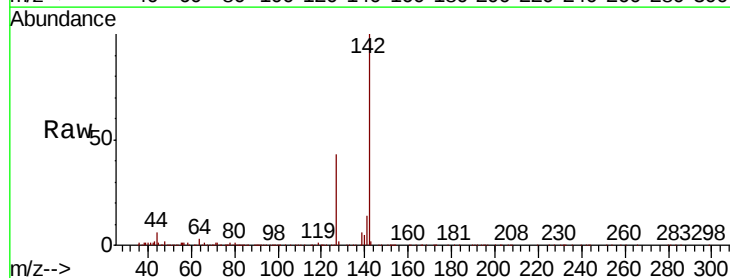
Tgt Ion:142 Resp: 87232

Ion Ratio Lower Upper

142 100

127 44.1 33.9 50.9

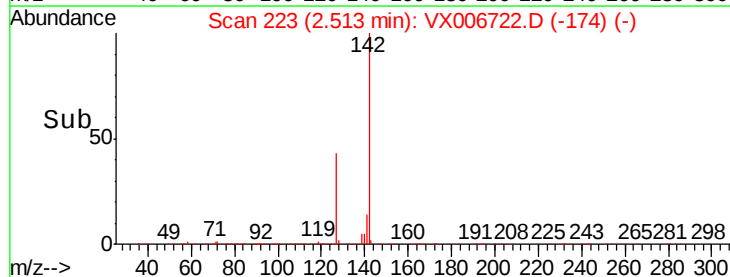
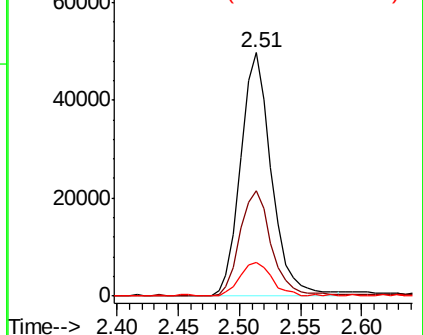
141 14.0 11.4 17.0

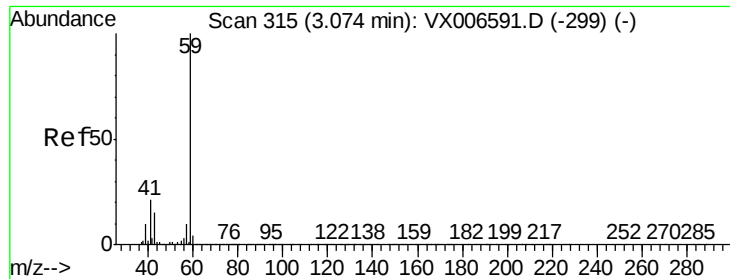


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



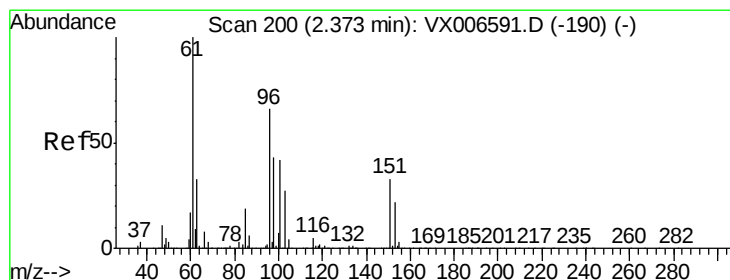
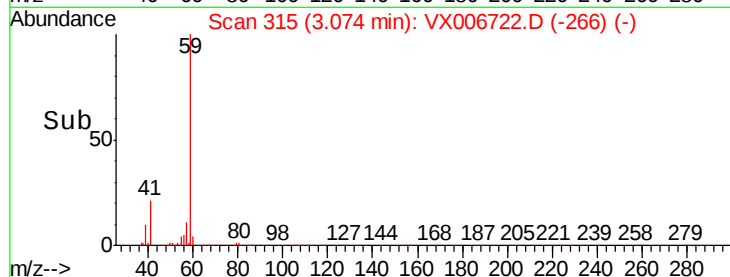
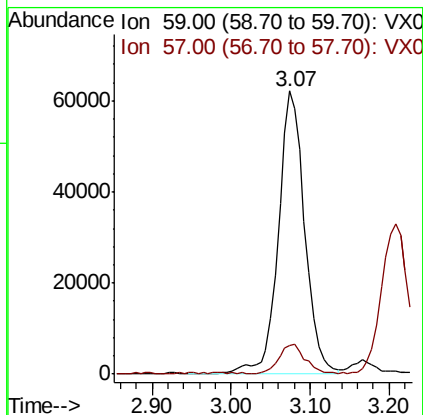
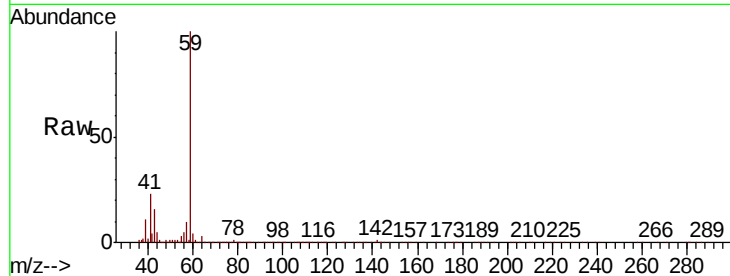


#11

Tert butyl alcohol
 Concen: 104.471 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VX006722.D
 Acq: 21 Dec 2018 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD01

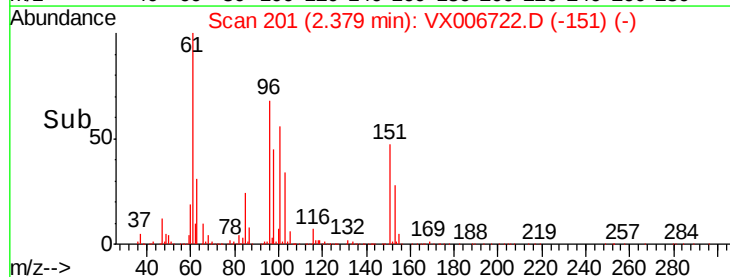
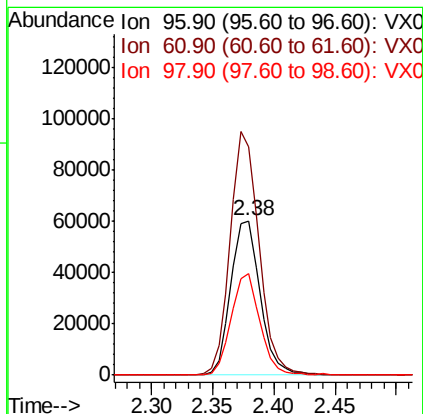
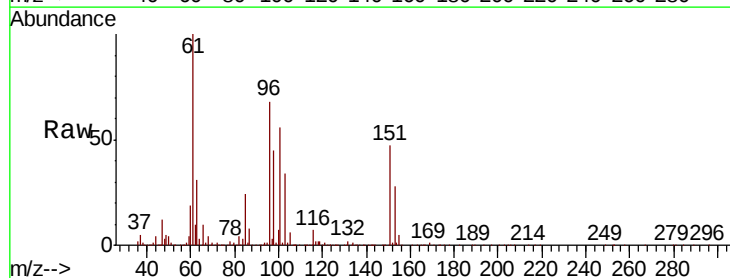
Tot Ion: 59 Resp: 144509
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.5 12.7

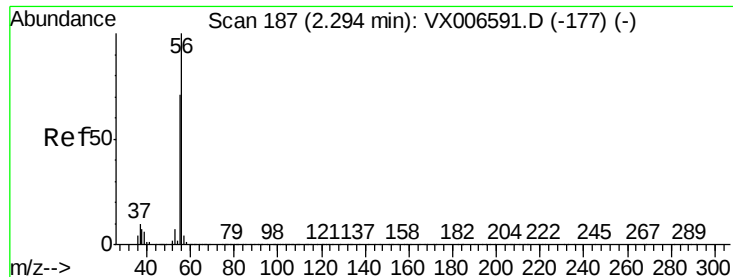


#12

1,1-Dichloroethene
 Concen: 19.346 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX006722.D
 Acq: 21 Dec 2018 14:36

Tgt Ion: 96 Resp: 99403
 Ion Ratio Lower Upper
 96 100
 61 147.7 121.4 182.2
 98 65.6 51.9 77.9

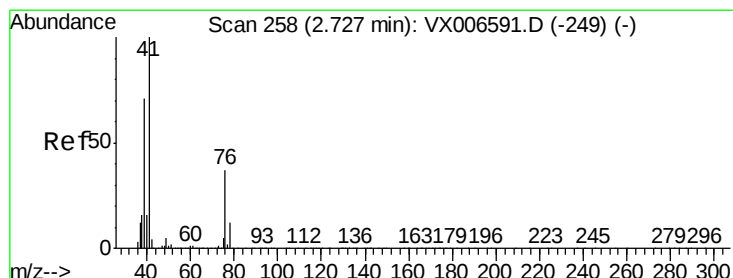
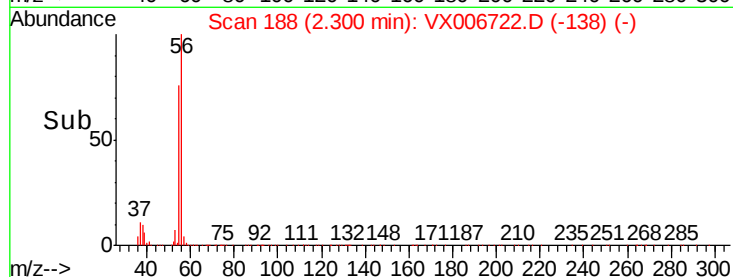
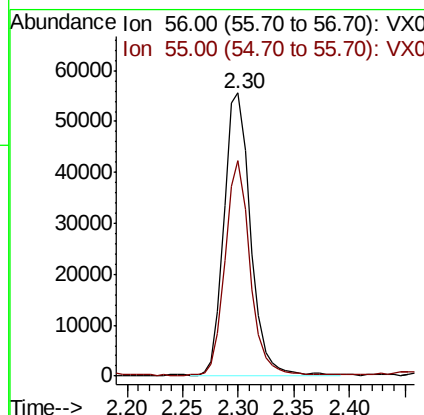
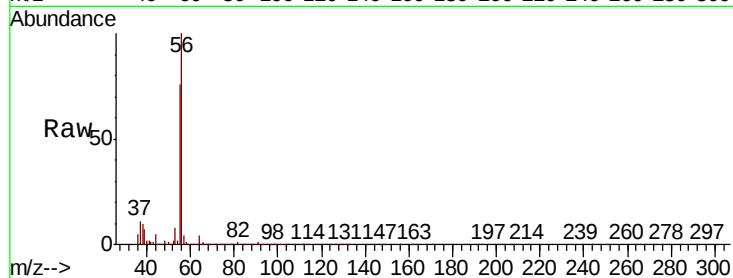




#13
Acrolein
Concen: 98.486 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

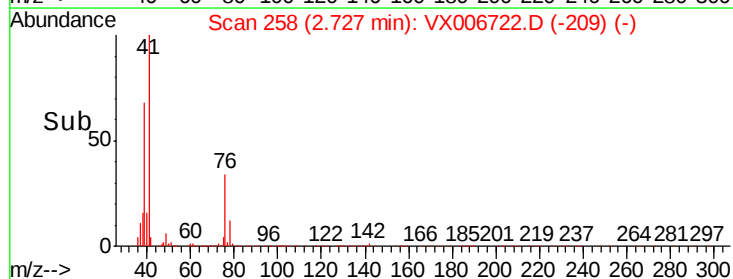
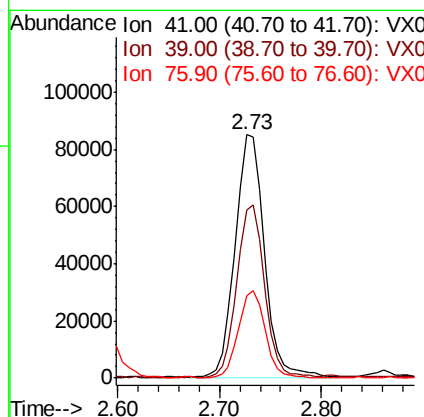
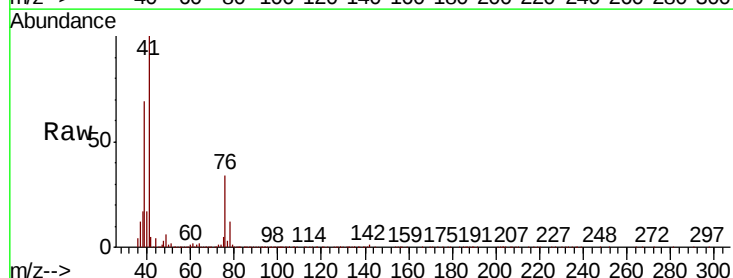
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

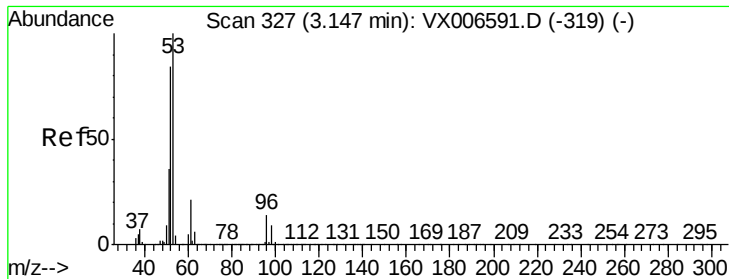
Tot Ion: 56 Resp: 91902
Ion Ratio Lower Upper
56 100
55 71.4 58.2 87.4



#14
Allyl chloride
Concen: 19.575 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion: 41 Resp: 169307
Ion Ratio Lower Upper
41 100
39 67.2 53.6 80.4
76 32.5 27.4 41.2





#15

Acrylonitrile

Concen: 104.510 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

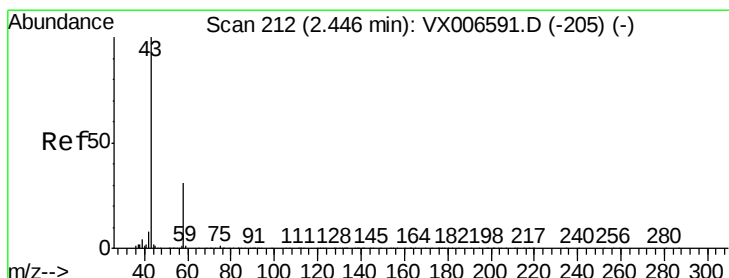
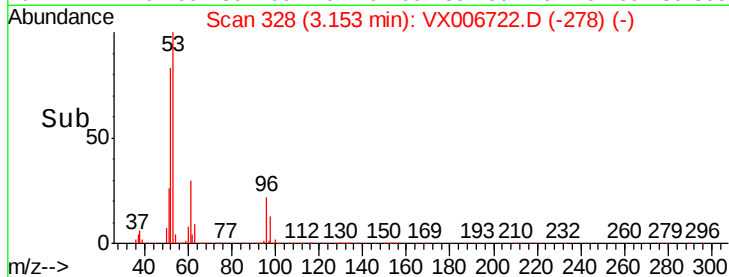
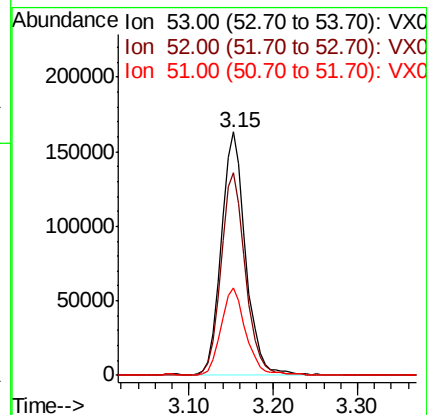
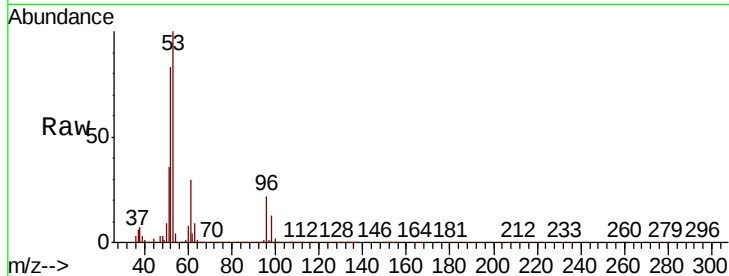
Tot Ion: 53 Resp: 320973

Ion Ratio Lower Upper

53 100

52 84.1 66.0 99.0

51 36.8 28.6 42.8



#16

Acetone

Concen: 94.732 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX006722.D

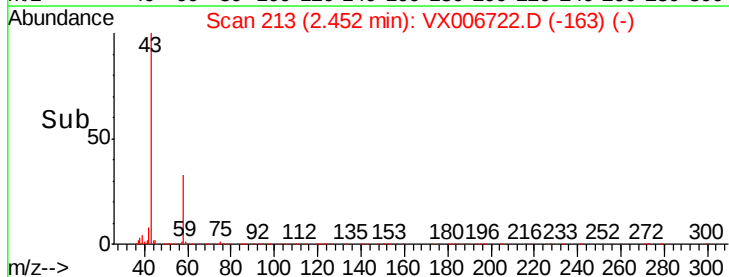
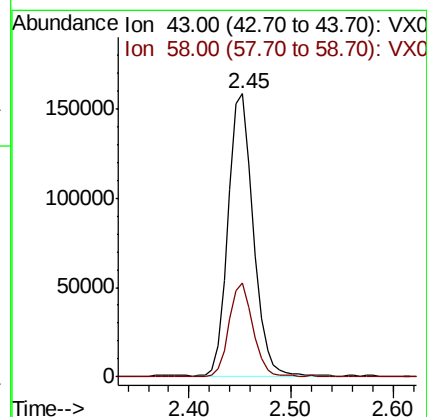
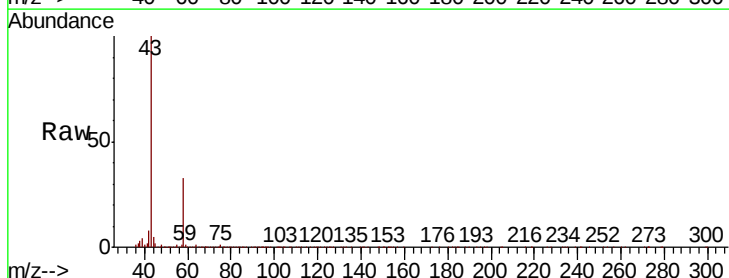
Acq: 21 Dec 2018 14:36

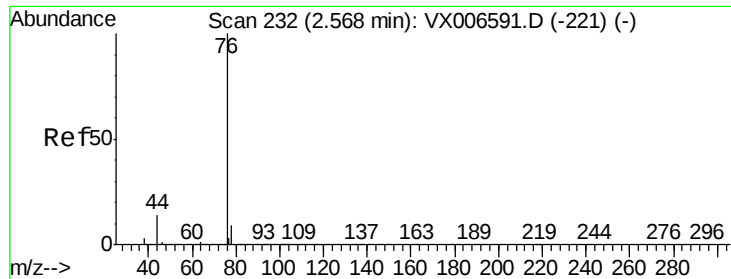
Tgt Ion: 43 Resp: 269758

Ion Ratio Lower Upper

43 100

58 33.3 25.0 37.6

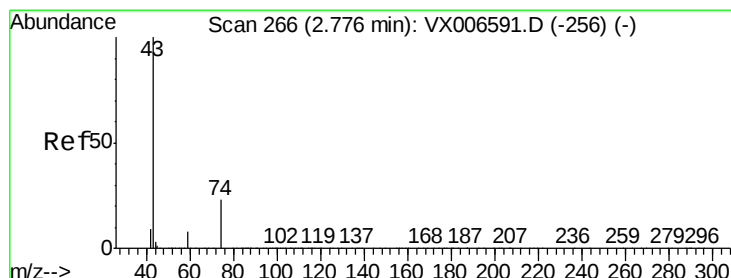
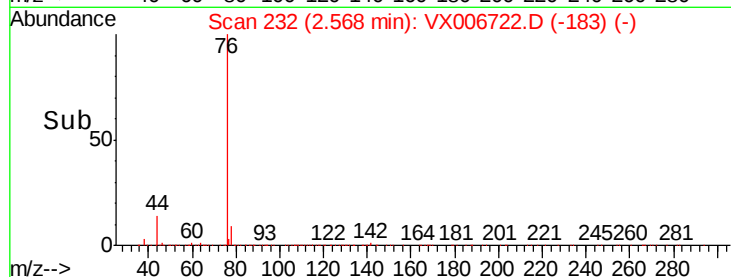
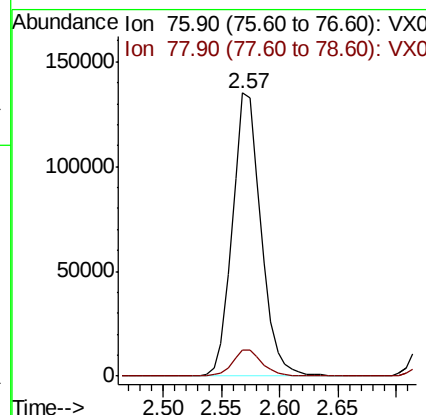
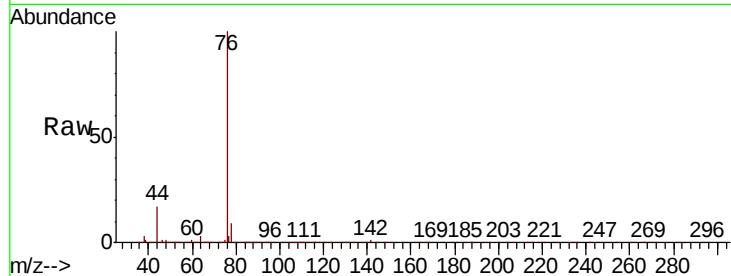




#17
Carbon Disulfide
Concen: 16.935 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

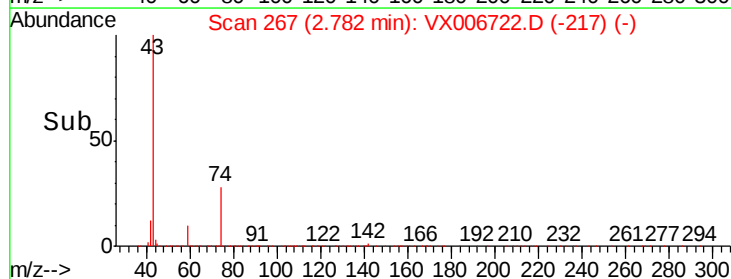
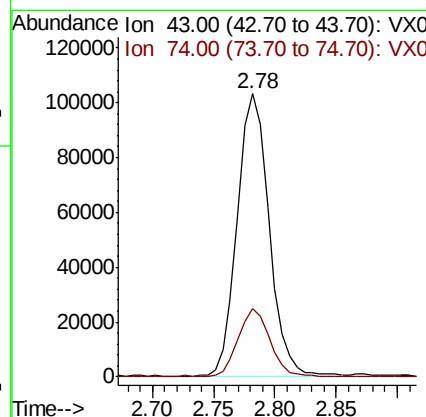
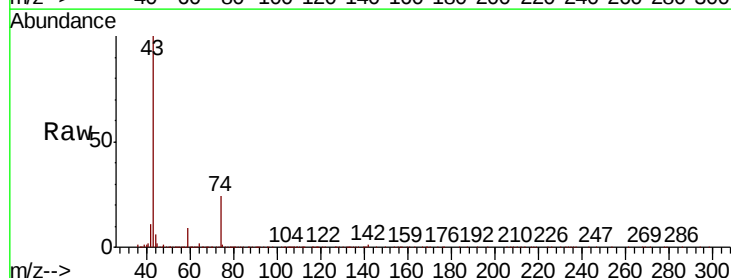
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

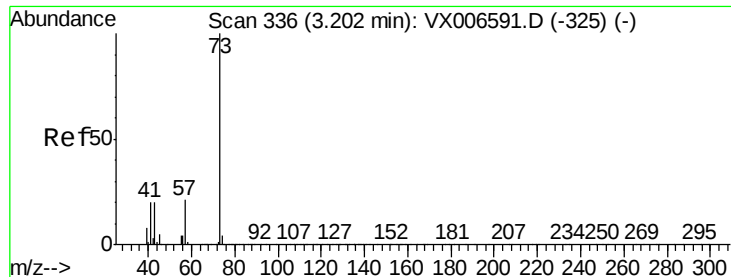
Tot Ion: 76 Resp: 230283
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 22.199 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion: 43 Resp: 185880
Ion Ratio Lower Upper
43 100
74 23.9 18.6 28.0



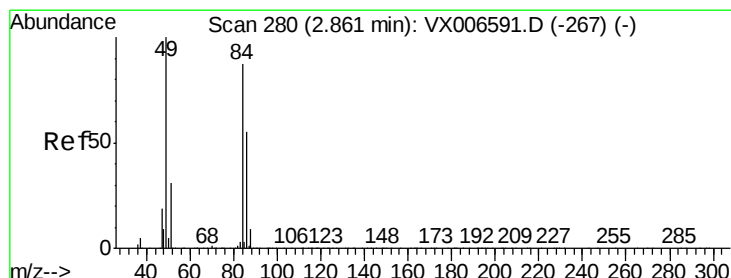
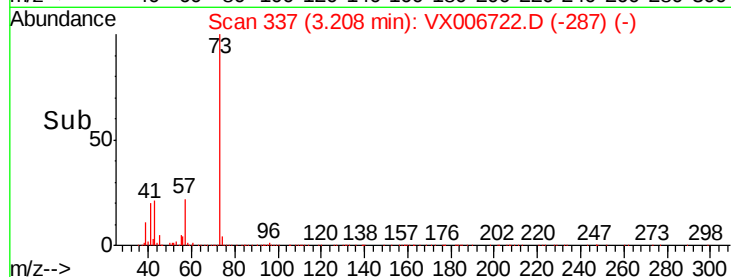
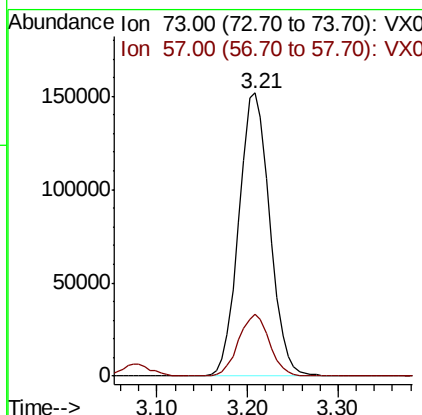
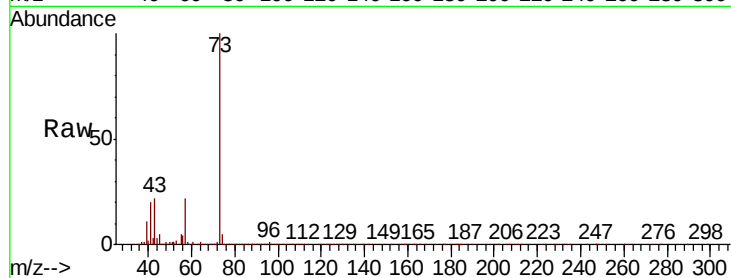


#19

Methyl tert-butyl Ether
 Concen: 21.010 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX006722.D
 Acq: 21 Dec 2018 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD01

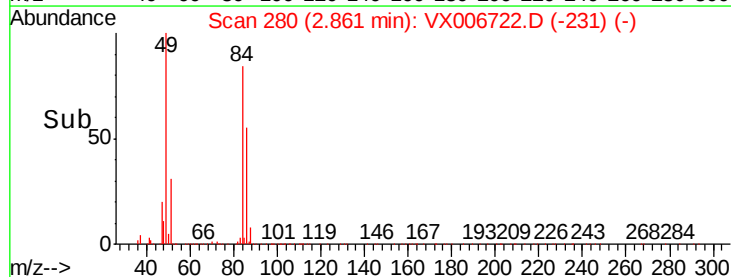
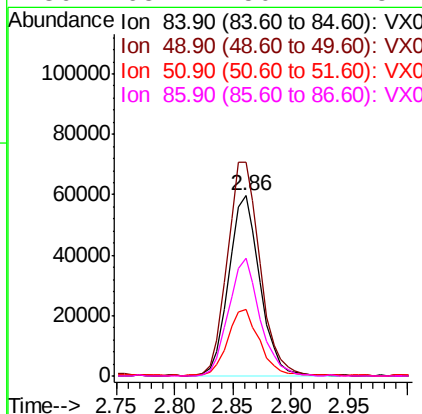
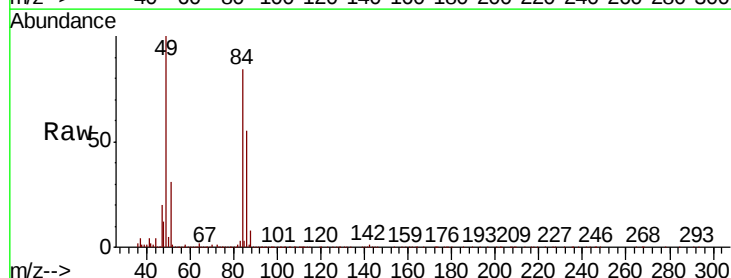
Tot Ion: 73 Resp: 358303
 Ion Ratio Lower Upper
 73 100
 57 21.6 16.8 25.2



#20

Methylene Chloride
 Concen: 18.903 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VX006722.D
 Acq: 21 Dec 2018 14:36

Tgt Ion: 84 Resp: 111305
 Ion Ratio Lower Upper
 84 100
 49 118.1 91.8 137.6
 51 36.9 28.5 42.7
 86 65.1 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 18.768 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

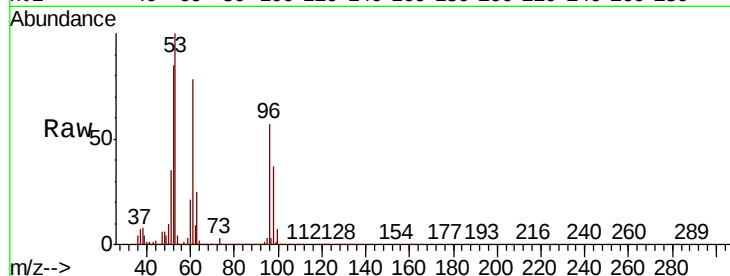
Tot Ion: 96 Resp: 106850

Ion Ratio Lower Upper

96 100

61 138.1 103.7 155.5

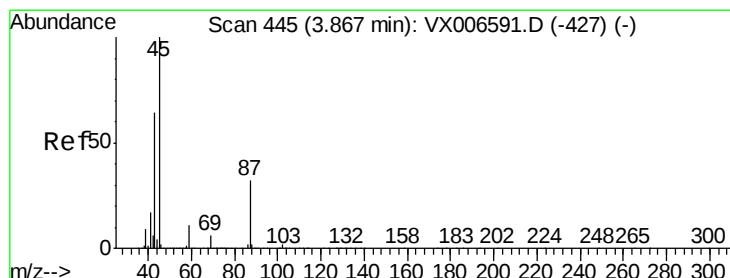
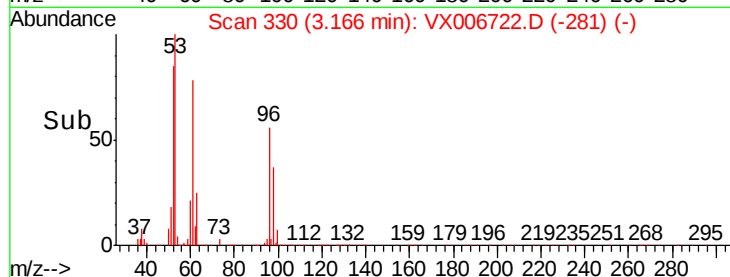
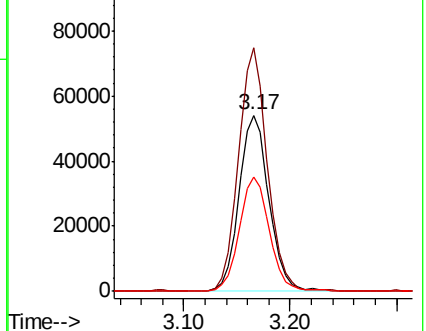
98 64.6 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.502 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Tgt Ion: 45 Resp: 324403

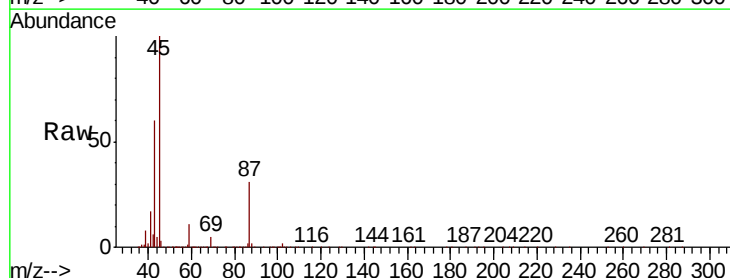
Ion Ratio Lower Upper

45 100

43 59.9 51.2 76.8

87 31.2 25.8 38.6

59 11.0 9.0 13.4

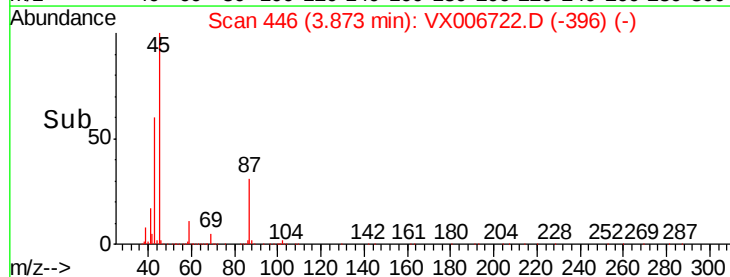
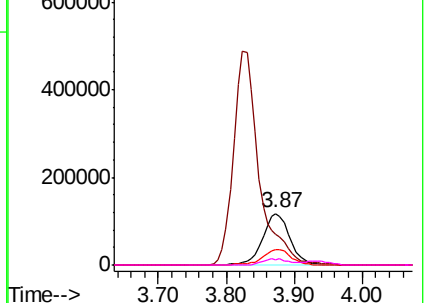


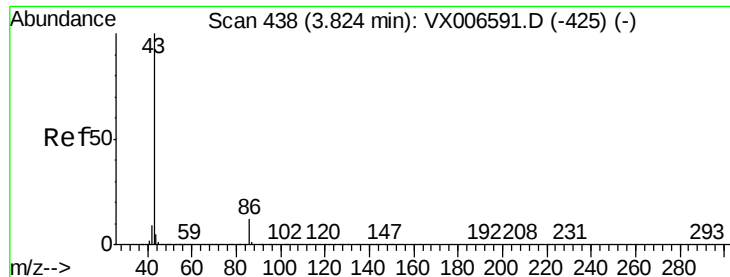
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 98.778 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

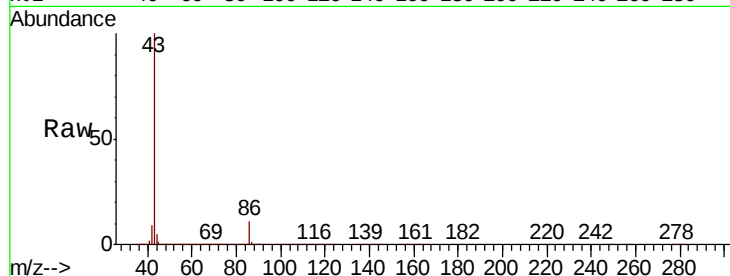
VX1221WBSD01

Tot Ion: 43 Resp: 1278433

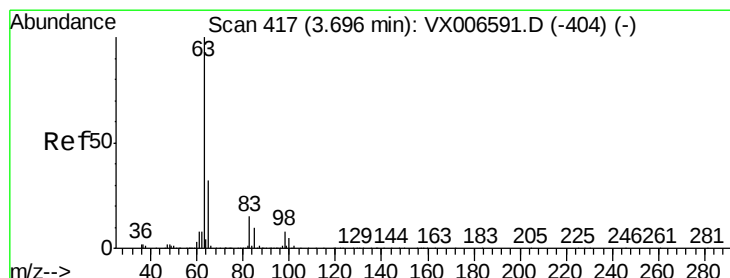
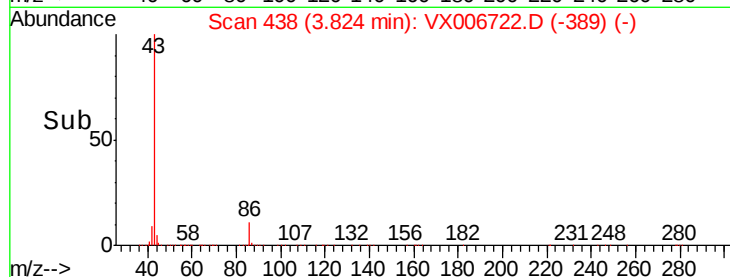
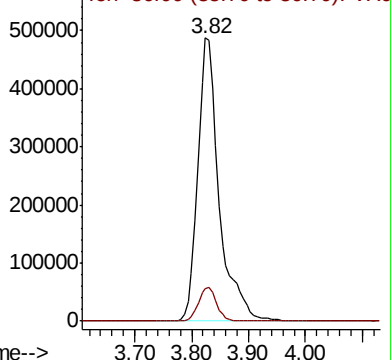
Ion Ratio Lower Upper

43 100

86 11.5 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VX006722.D (-389) (-)



#24

1,1-Dichloroethane

Concen: 19.130 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

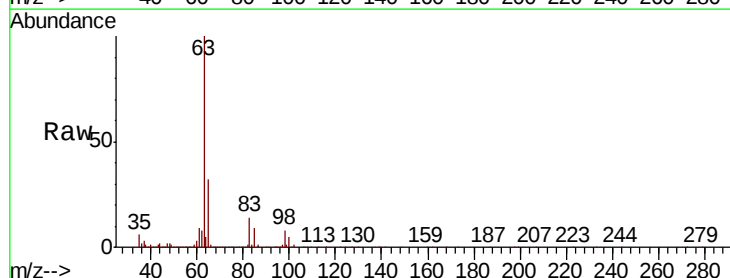
Tgt Ion: 63 Resp: 180688

Ion Ratio Lower Upper

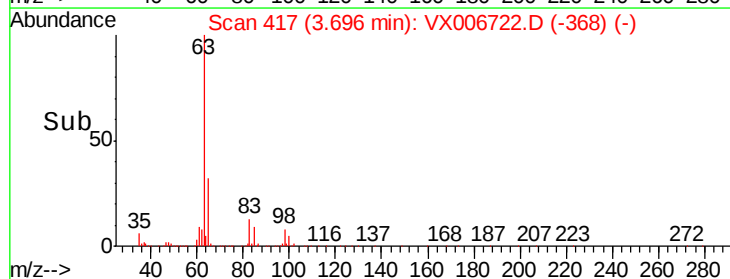
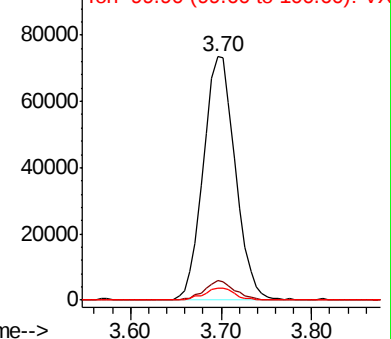
63 100

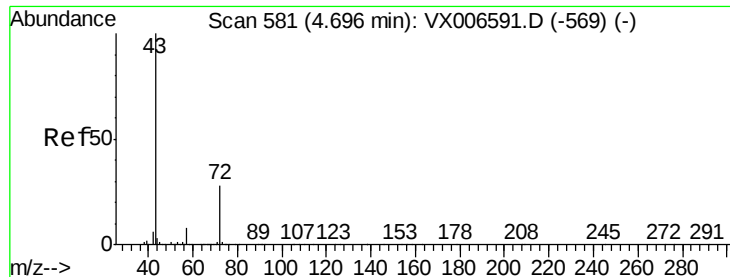
98 8.1 3.9 11.5

100 4.6 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX006722.D (-368) (-)





#25

2-Butanone

Concen: 99.906 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

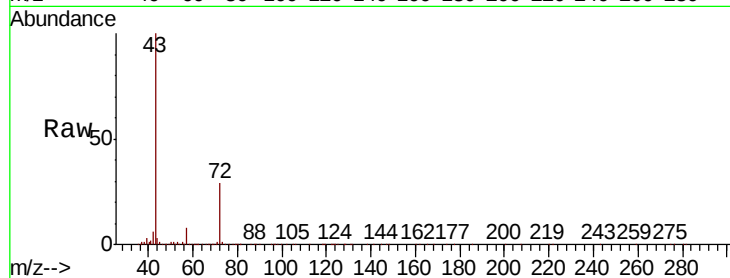
VX1221WBSD01

Tot Ion: 43 Resp: 400172

Ion Ratio Lower Upper

43 100

72 29.2 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

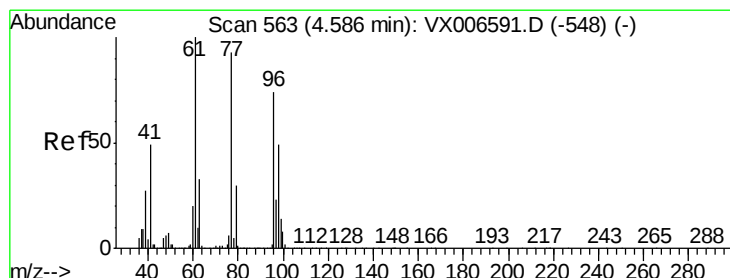
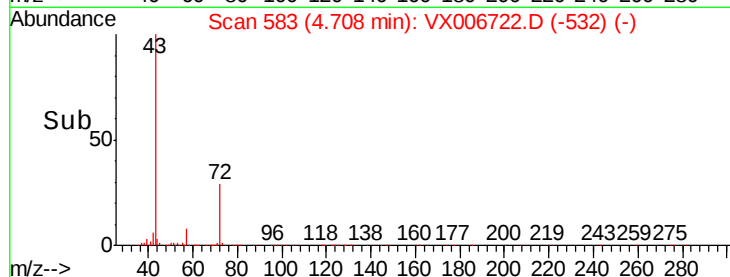
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 15.180 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006722.D

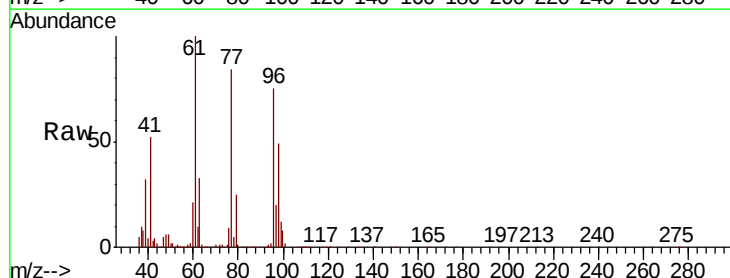
Acq: 21 Dec 2018 14:36

Tgt Ion: 77 Resp: 110756

Ion Ratio Lower Upper

77 100

97 26.3 12.4 37.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

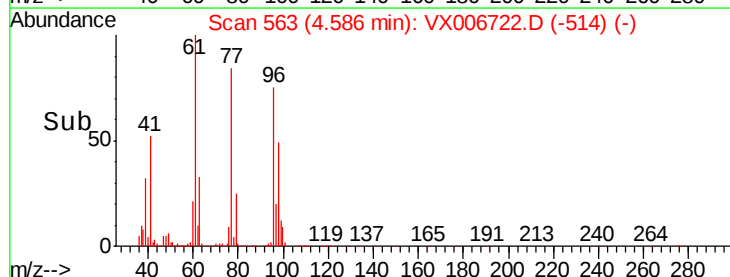
20000

10000

0

4.40 4.50 4.60 4.70

Time-->



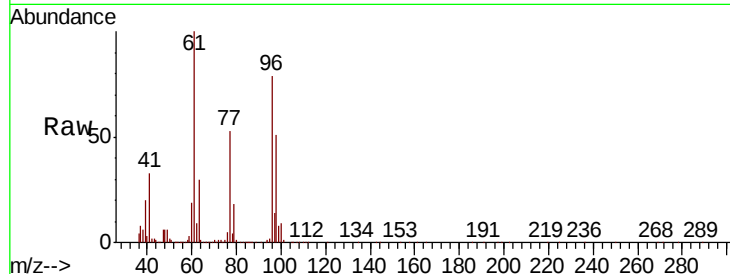


#27

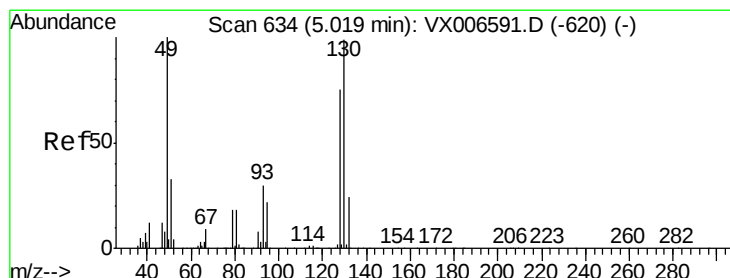
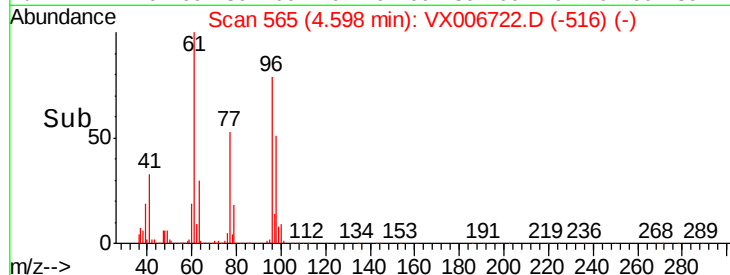
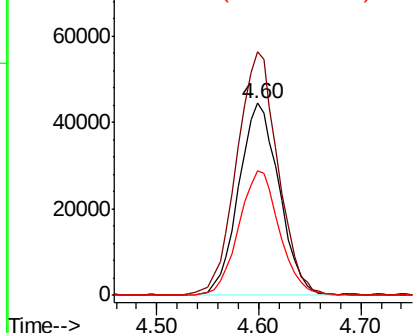
cis-1,2-Dichloroethene
Concen: 19.561 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.8	0.0	258.6
98	64.9	0.0	132.0



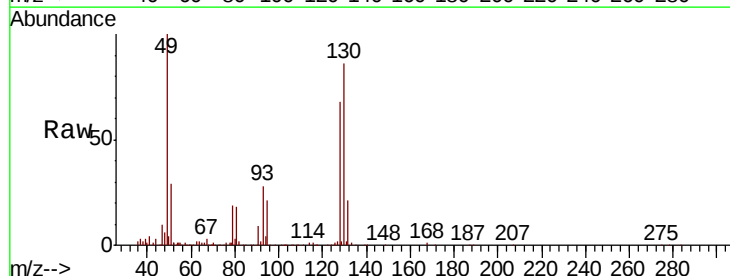
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



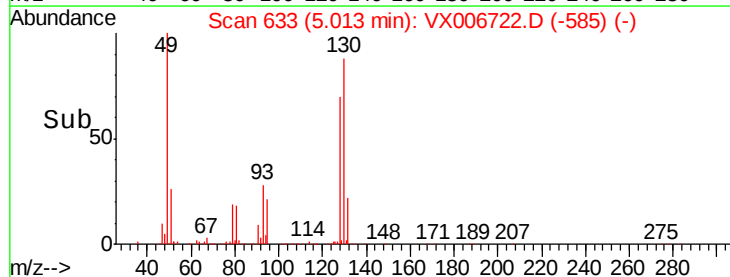
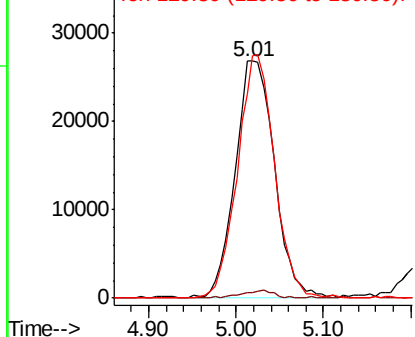
#28

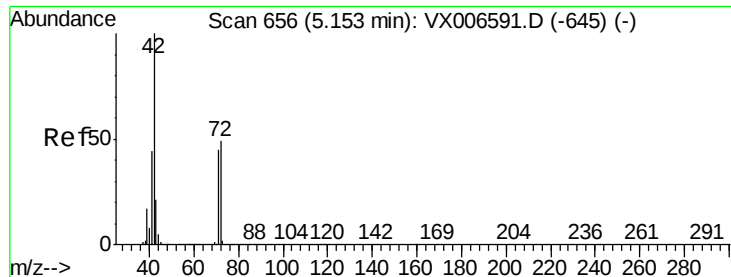
Bromochloromethane
Concen: 20.044 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.4
130	96.2	77.7	116.5



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

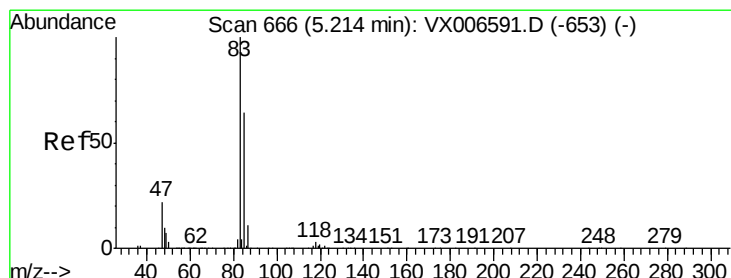
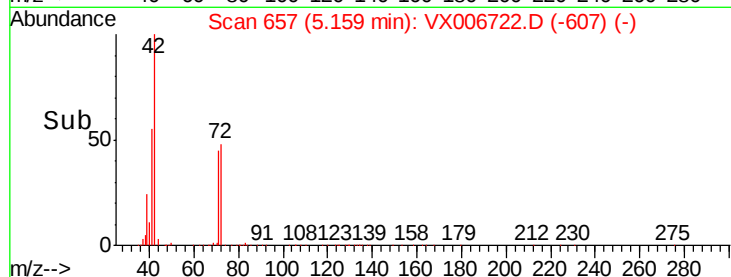
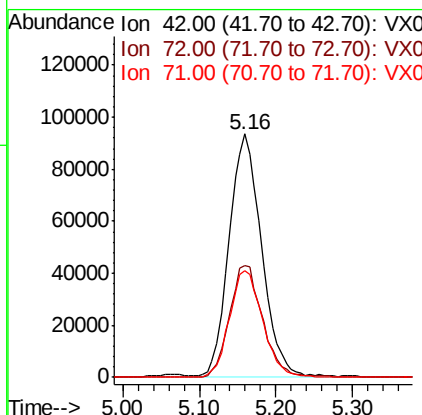
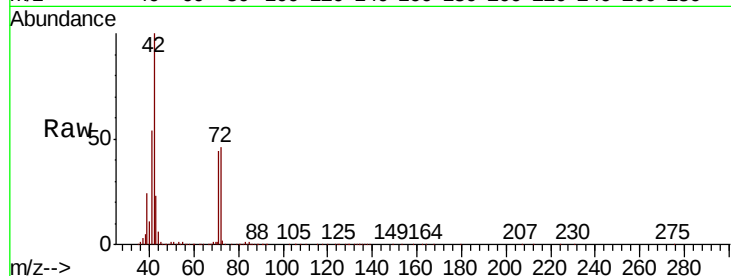




#29
Tetrahydrofuran
Concen: 103.628 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

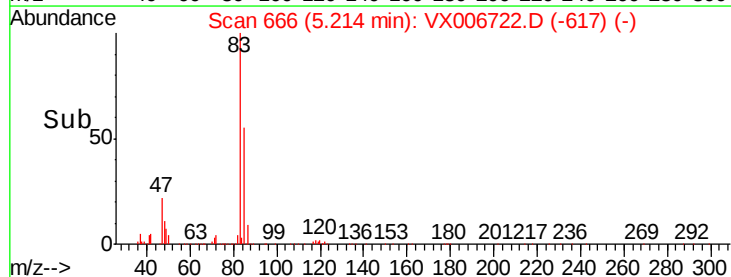
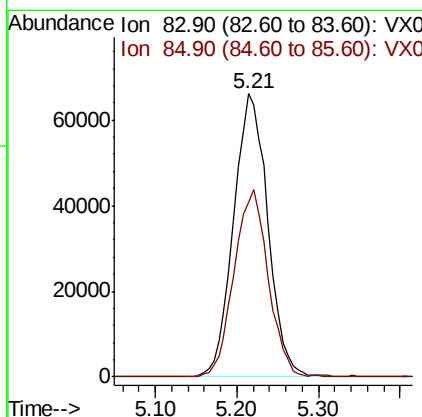
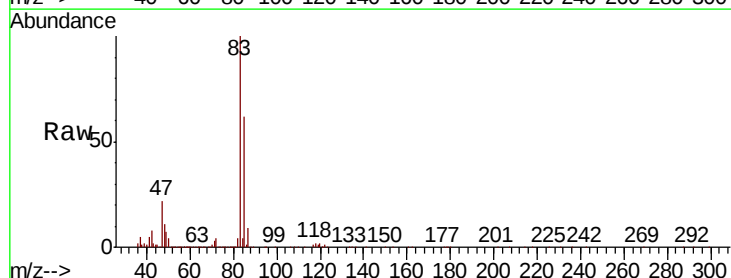
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

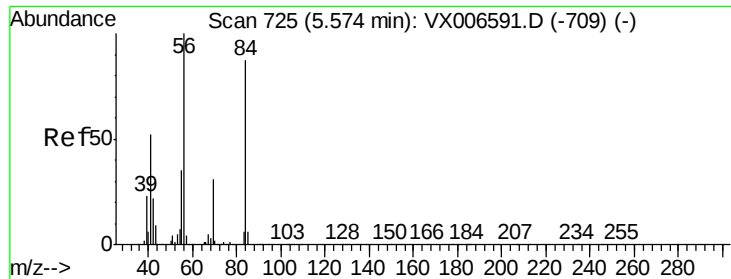
Tot Ion: 42 Resp: 273387
Ion Ratio Lower Upper
42 100
72 46.7 38.9 58.3
71 44.9 36.2 54.4



#30
Chloroform
Concen: 19.605 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion: 83 Resp: 191760
Ion Ratio Lower Upper
83 100
85 61.7 51.2 76.8

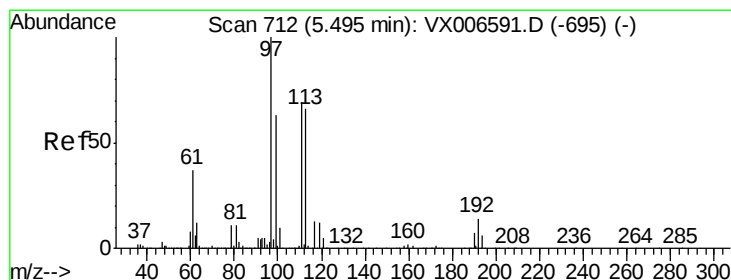
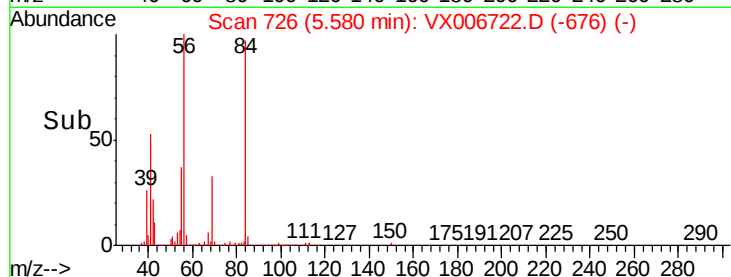
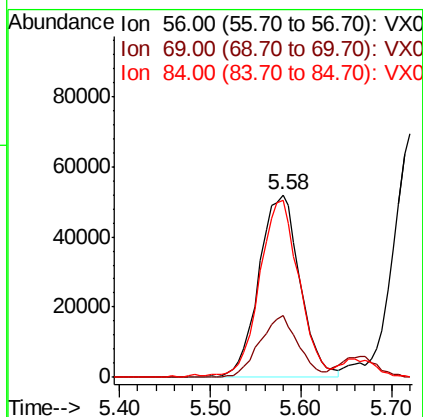
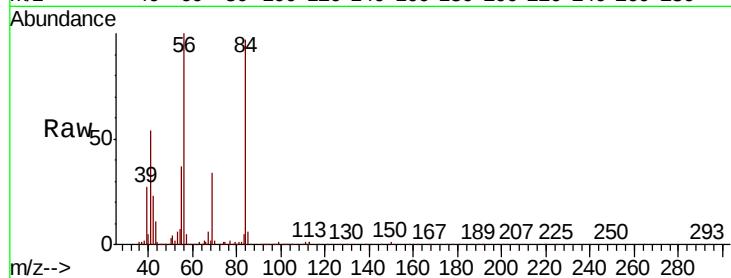




#31
Cyclohexane
Concen: 18.910 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

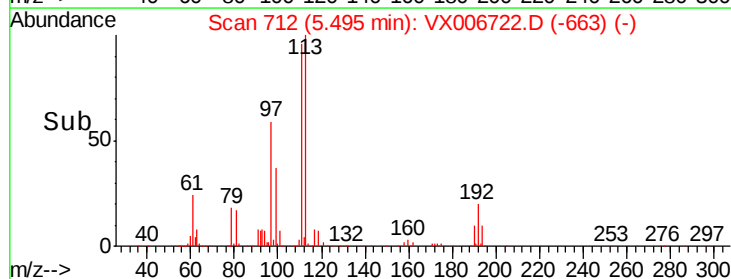
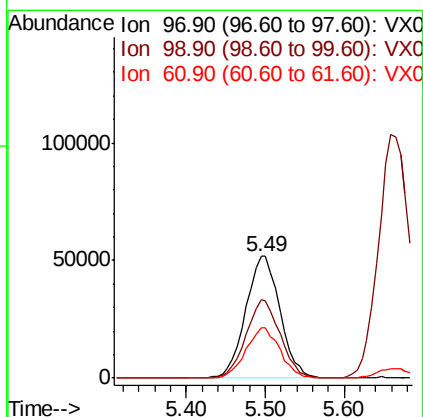
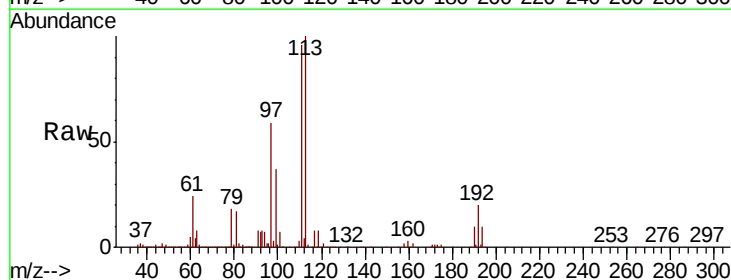
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

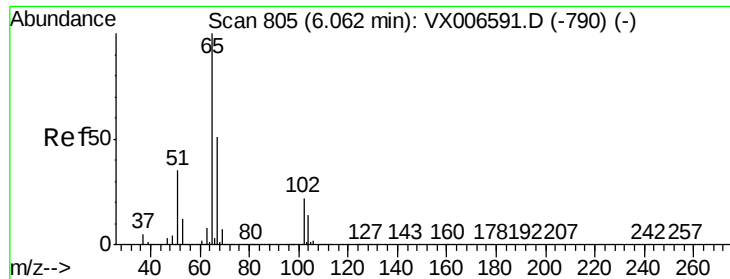
Tot Ion: 56 Resp: 162265
Ion Ratio Lower Upper
56 100
69 33.4 24.4 36.6
84 96.0 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 18.985 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion: 97 Resp: 156796
Ion Ratio Lower Upper
97 100
99 64.0 51.7 77.5
61 41.3 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 50.287 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

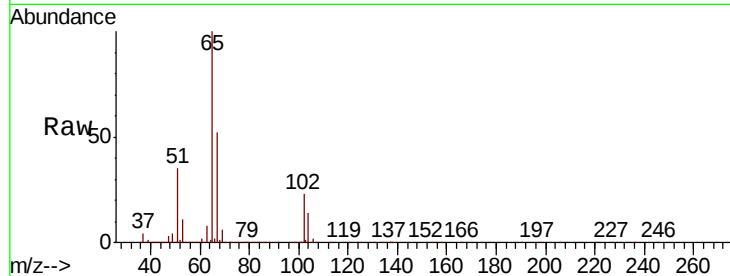
VX1221WBSD01

Tot Ion: 65 Resp: 311683

Ion Ratio Lower Upper

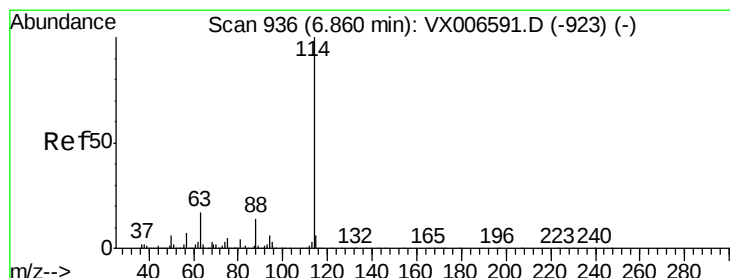
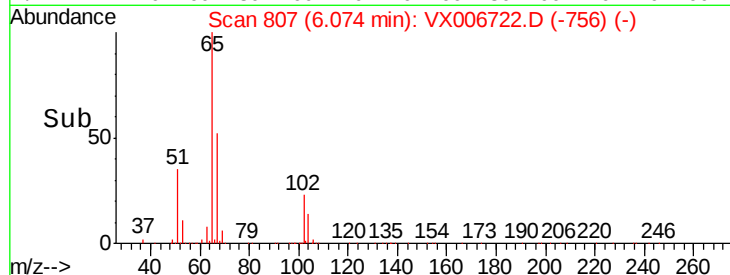
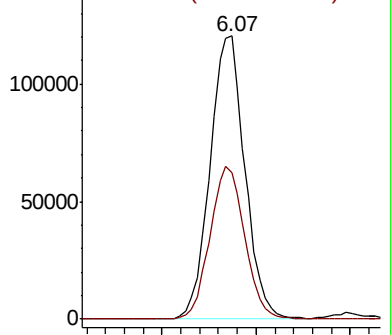
65 100

67 53.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

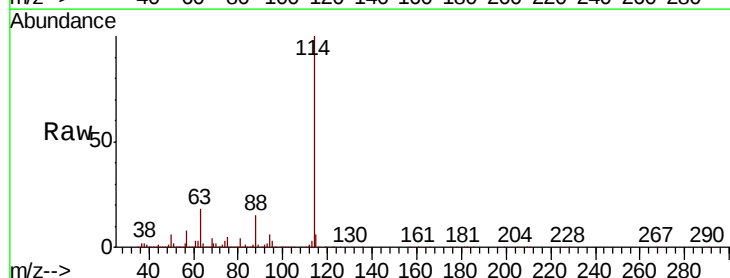
Tgt Ion: 114 Resp: 889888

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.8

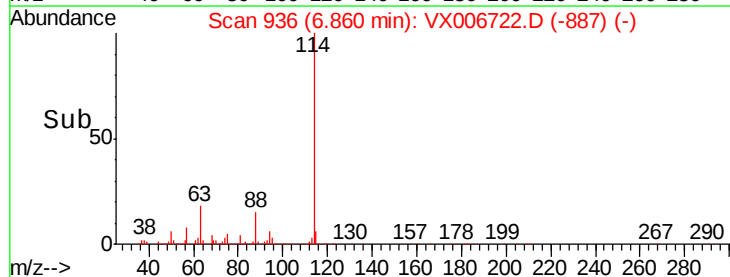
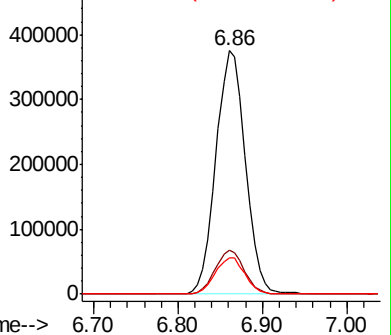
88 15.1 0.0 28.8

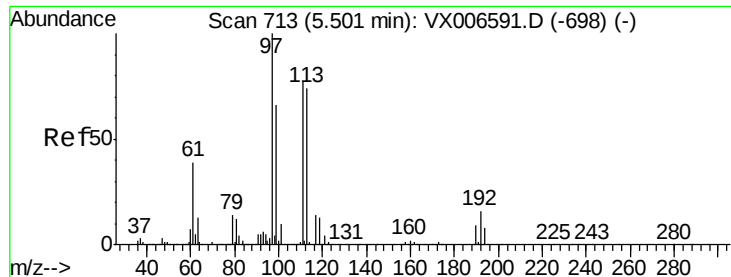


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.720 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

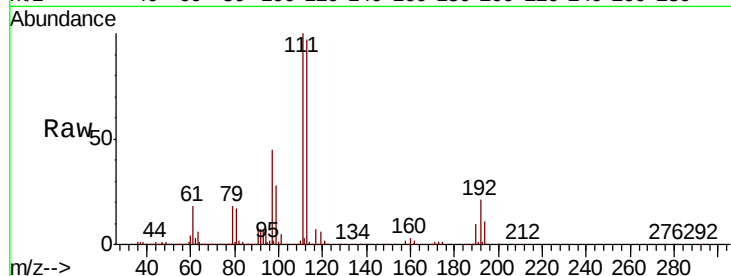
Tot Ion:113 Resp: 279800

Ion Ratio Lower Upper

113 100

111 101.5 81.6 122.4

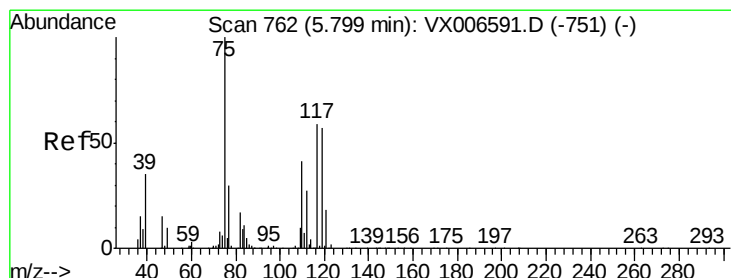
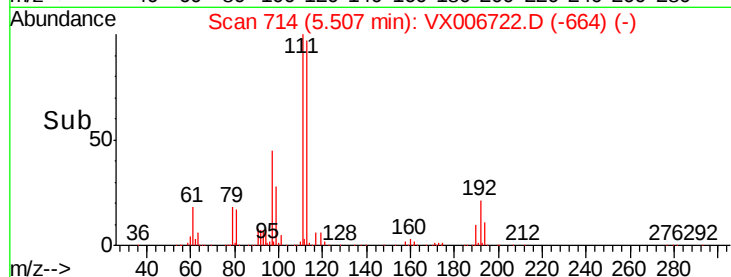
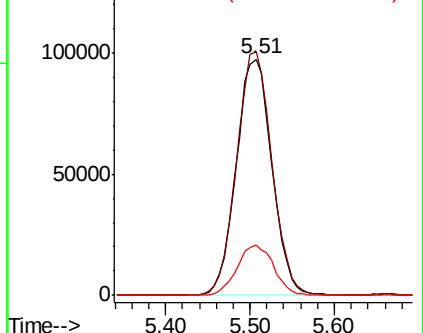
192 21.7 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.105 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

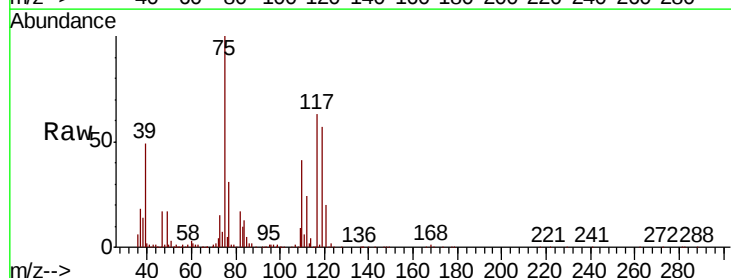
Tgt Ion: 75 Resp: 140811

Ion Ratio Lower Upper

75 100

110 40.5 20.2 60.5

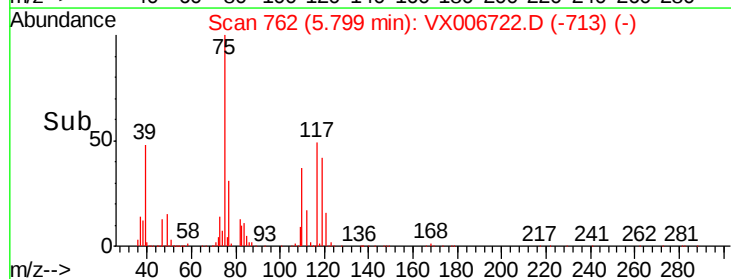
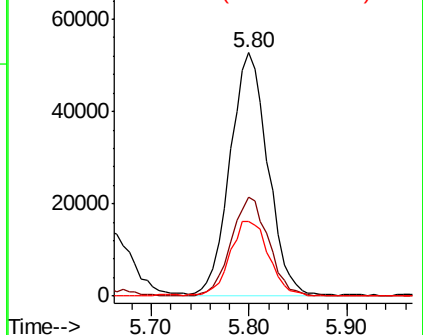
77 31.4 24.8 37.2

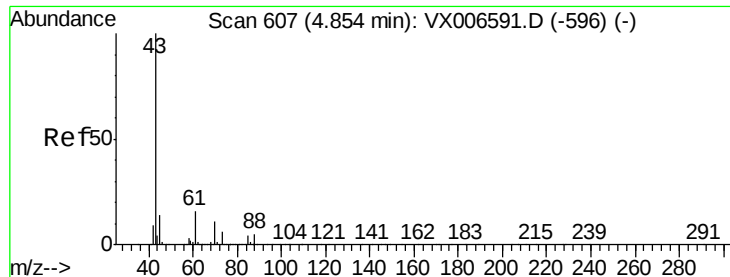


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

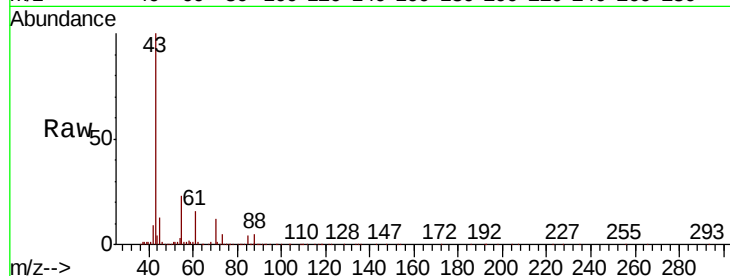




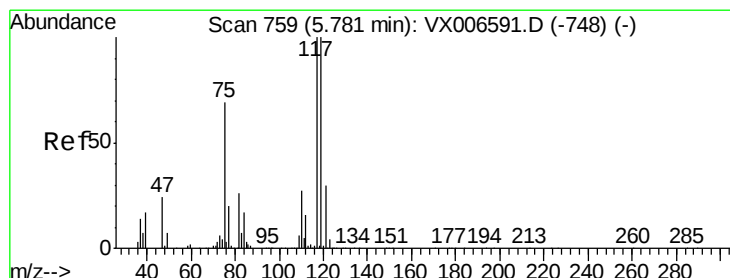
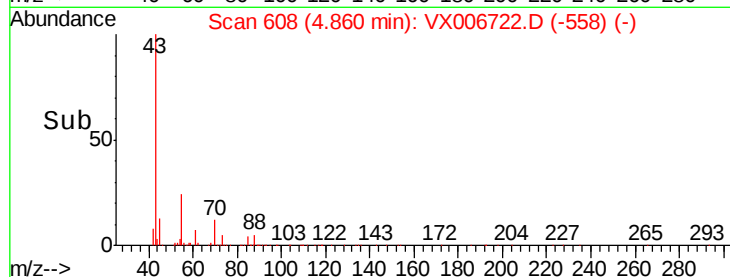
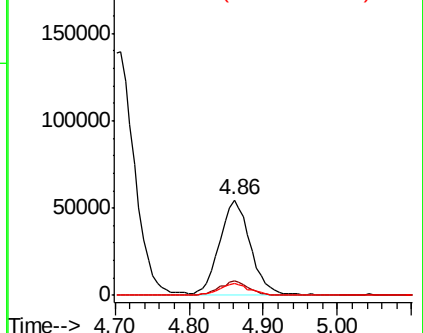
#37
Ethyl Acetate
Concen: 20.339 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

Tot Ion: 43 Resp: 156024
Ion Ratio Lower Upper
43 100
61 14.3 11.9 17.9
70 12.1 9.7 14.5

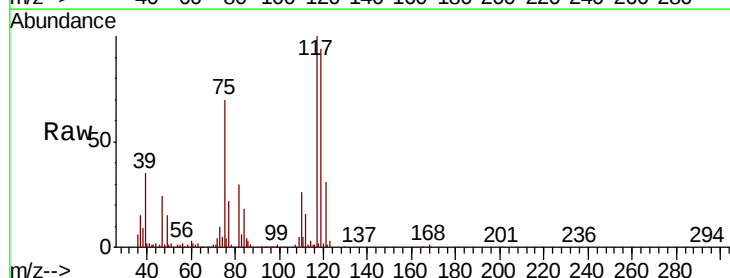


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

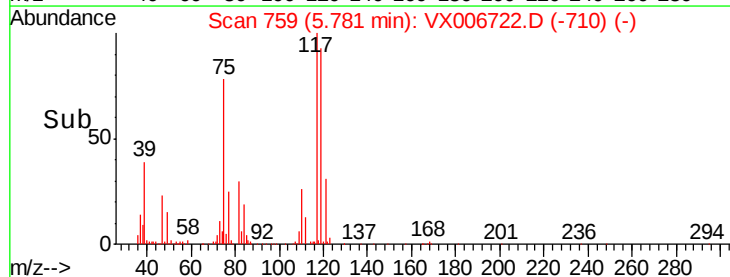
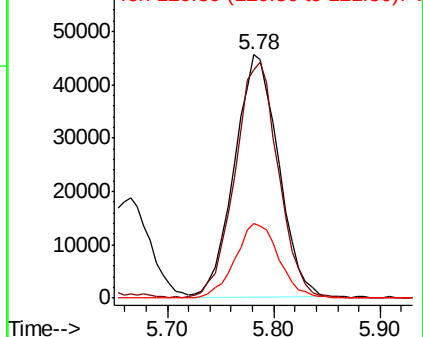


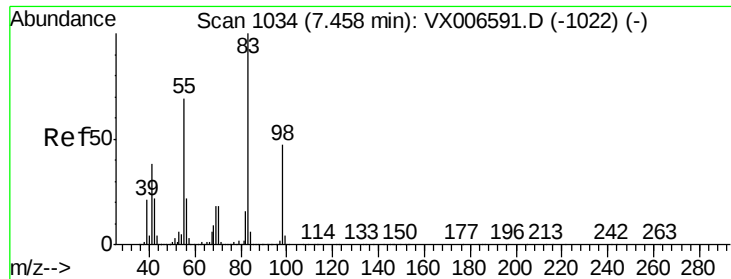
#38
Carbon Tetrachloride
Concen: 18.430 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion: 117 Resp: 132011
Ion Ratio Lower Upper
117 100
119 93.5 79.4 119.2
121 30.7 24.0 36.0



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

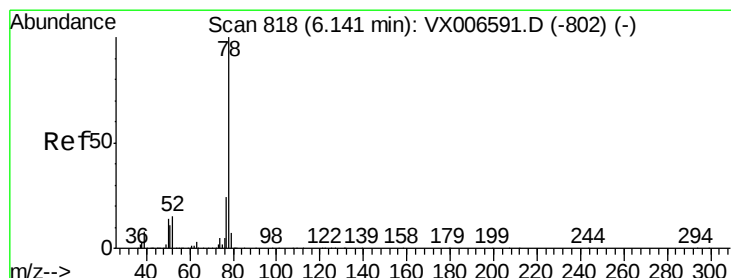
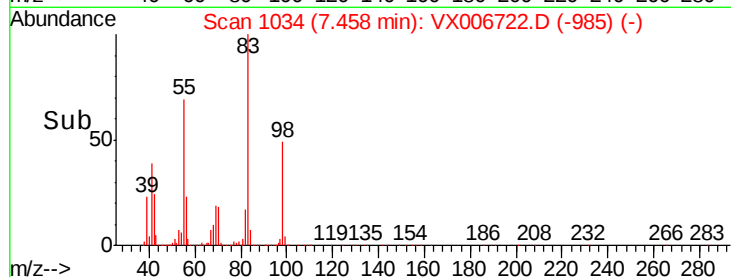
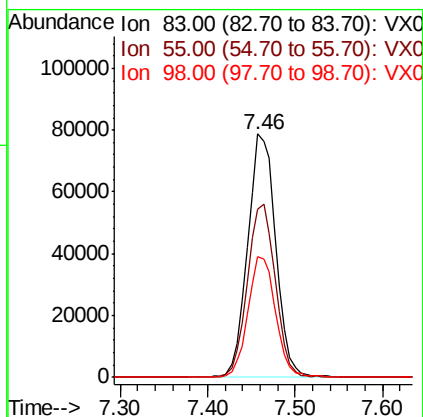
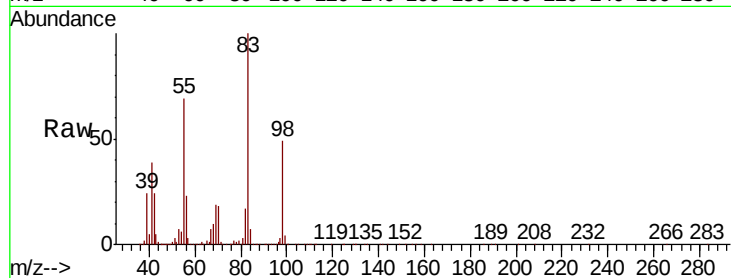




#39
Methvlcvclohexane
Concen: 18.047 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

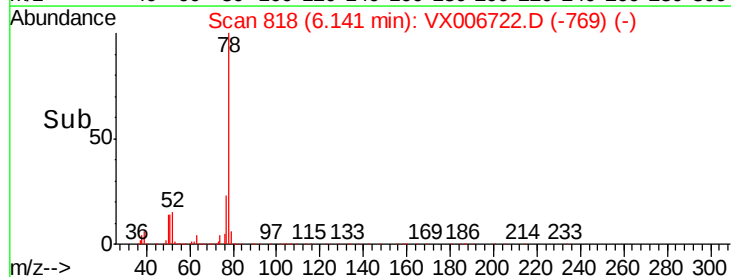
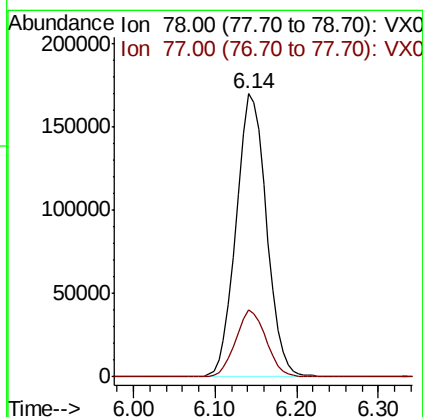
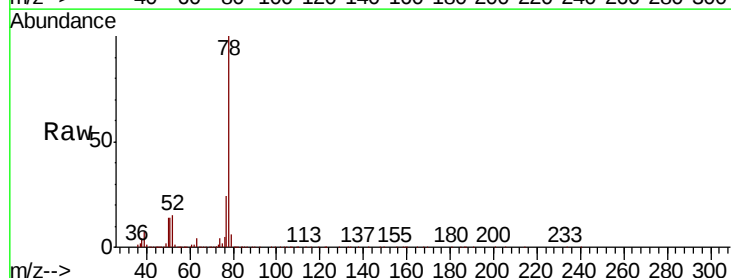
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

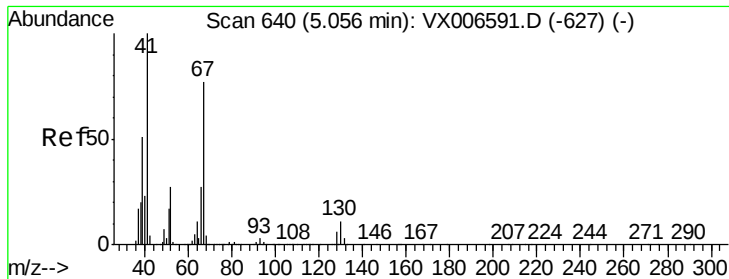
Tot Ion: 83 Resp: 175116
Ion Ratio Lower Upper
83 100
55 68.8 54.9 82.3
98 49.4 37.9 56.9



#40
Benzene
Concen: 19.588 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion: 78 Resp: 438834
Ion Ratio Lower Upper
78 100
77 23.6 19.2 28.8

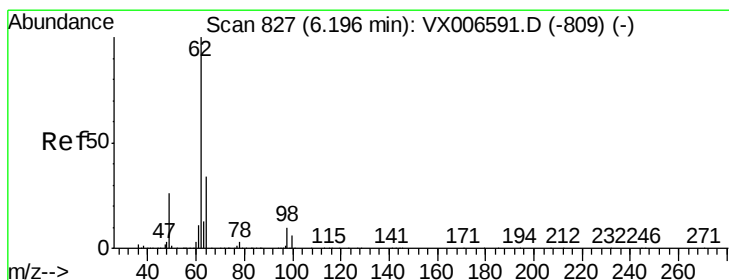
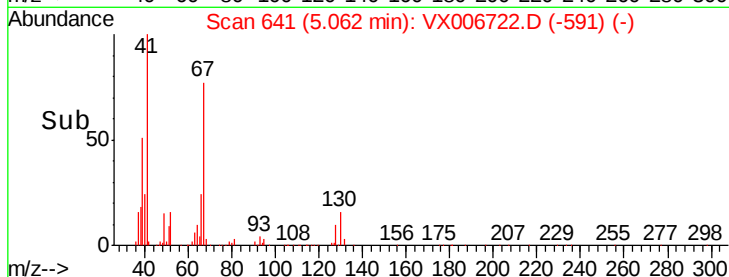
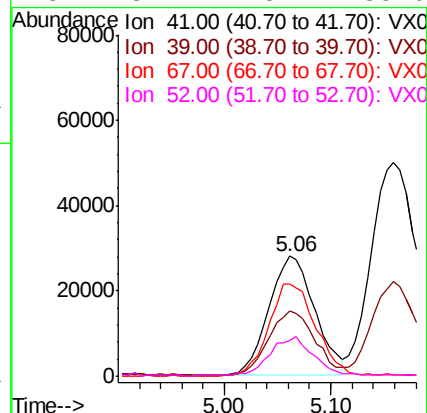
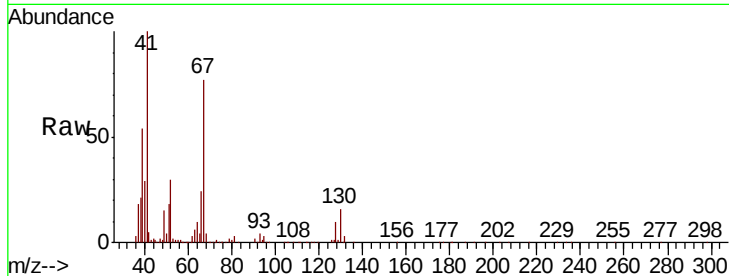




#41
Methacrylonitrile
Concen: 20.733 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

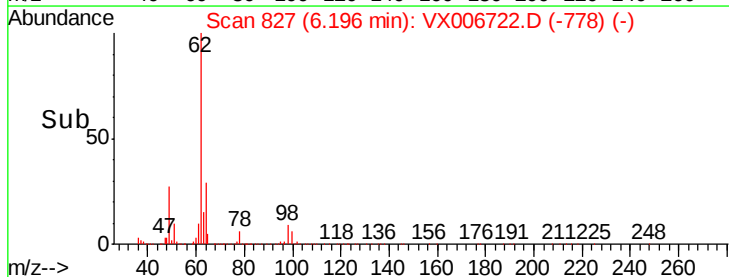
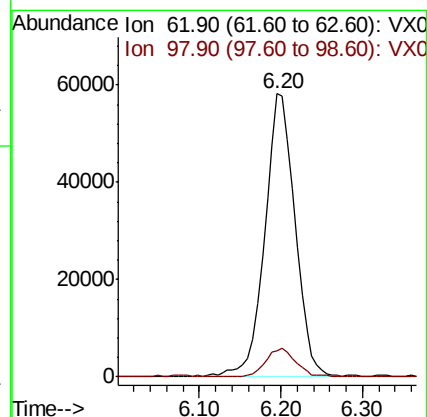
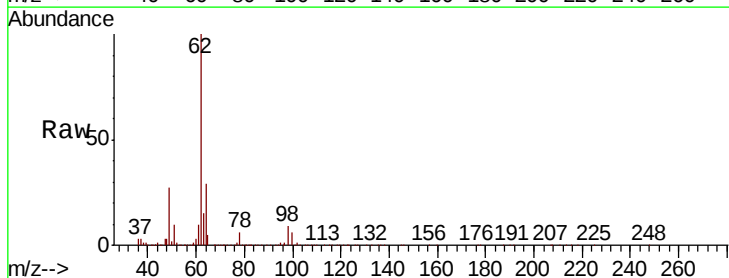
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

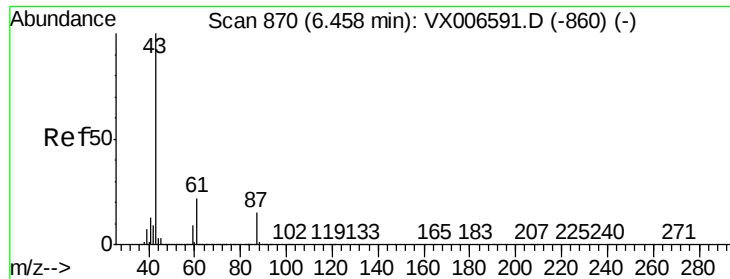
Tot Ion:	41	Resp:	84442
Ion	Ratio	Lower	Upper
41	100		
39	53.5	42.8	64.2
67	78.7	62.1	93.1
52	31.4	23.4	35.0



#42
1,2-Dichloroethane
Concen: 19.570 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion:	62	Resp:	149397
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.2



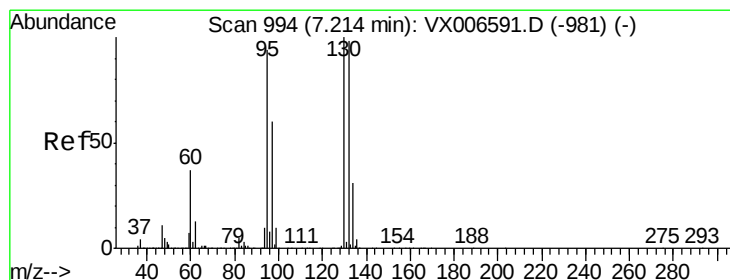
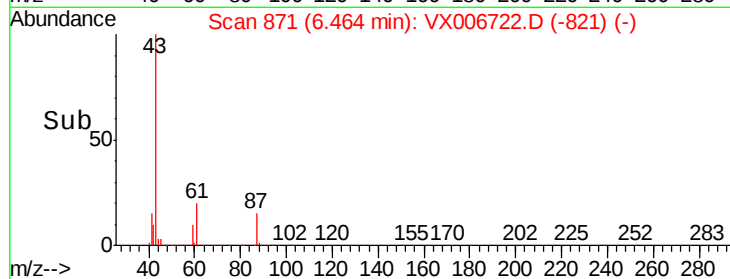
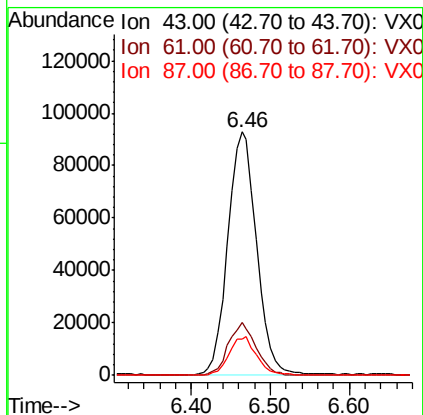
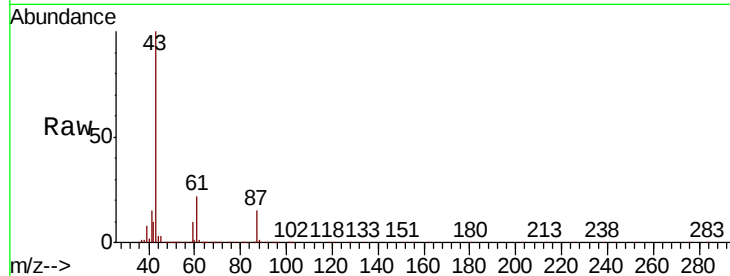


#43

Isopropyl Acetate
 Concen: 20.111 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX006722.D
 Acq: 21 Dec 2018 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD01

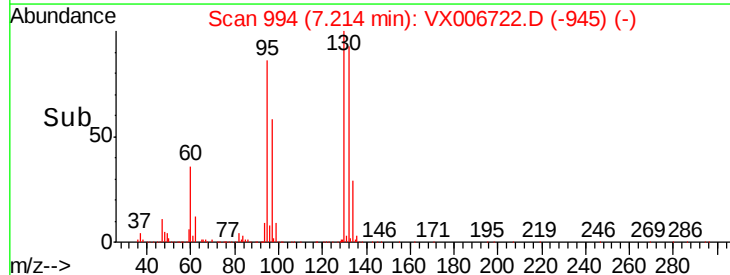
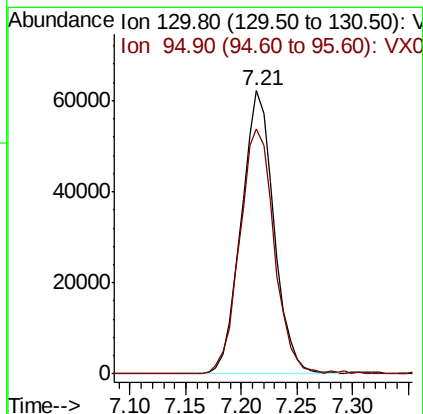
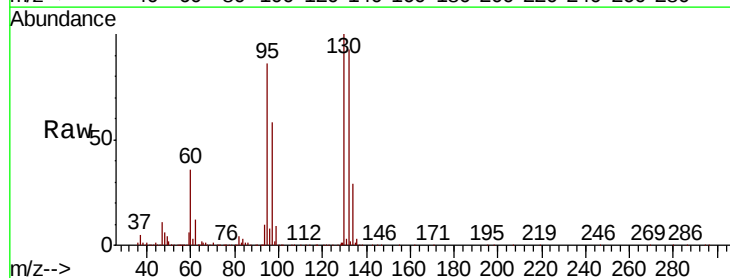
Tot Ion	43	Resp	234733
Ion Ratio	Lower	Upper	
43	100		
61	20.9	16.8	25.2
87	15.5	12.4	18.6



#44

Trichloroethene
 Concen: 18.654 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX006722.D
 Acq: 21 Dec 2018 14:36

Tgt Ion	130	Resp	126487
Ion Ratio	Lower	Upper	
130	100		
95	86.5	0.0	187.0





#45

1,2-Dichloropropane

Concen: 20.181 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

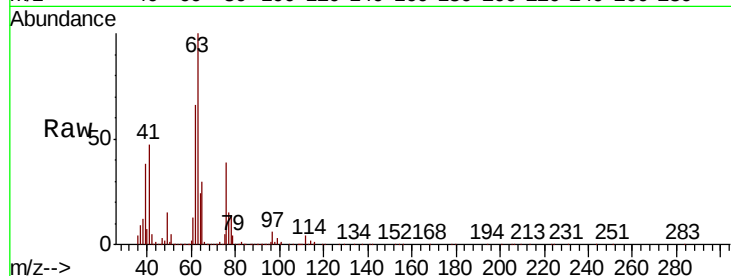
VX1221WBSD01

Tot Ion: 63 Resp: 110026

Ion Ratio Lower Upper

63 100

65 29.5 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

60000

50000

40000

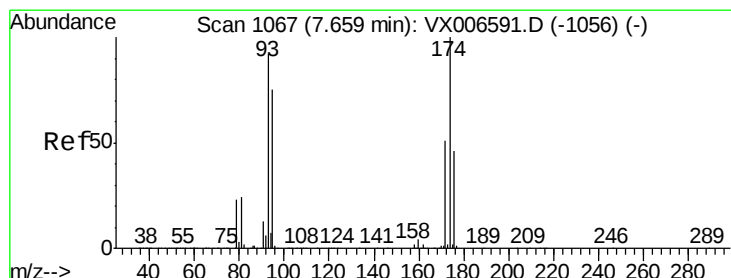
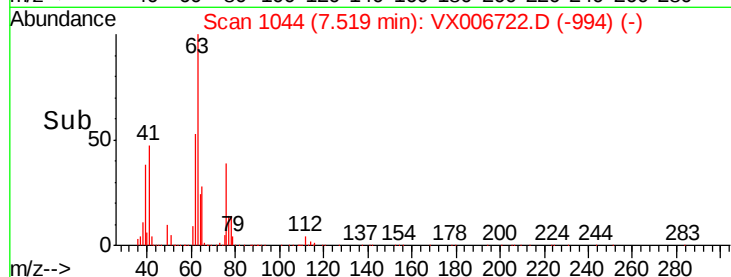
30000

20000

10000

0

Time-->



#46

Dibromomethane

Concen: 19.328 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

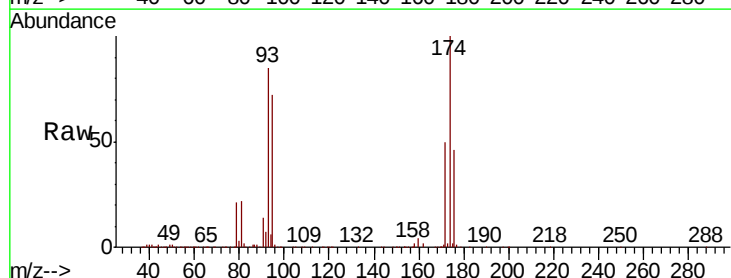
Tgt Ion: 93 Resp: 77507

Ion Ratio Lower Upper

93 100

95 83.3 66.2 99.4

174 112.0 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

60000

50000

40000

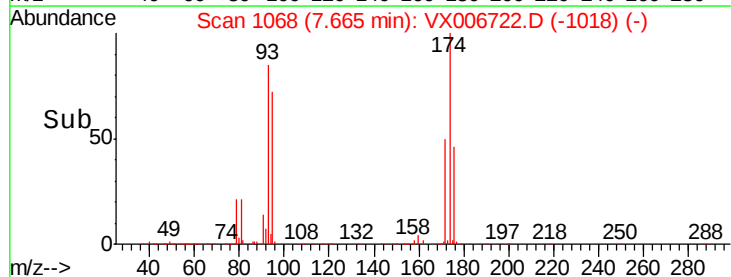
30000

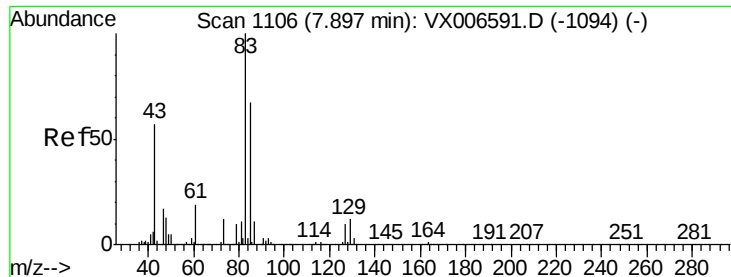
20000

10000

0

Time-->





#47

Bromodichloromethane

Concen: 18.568 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

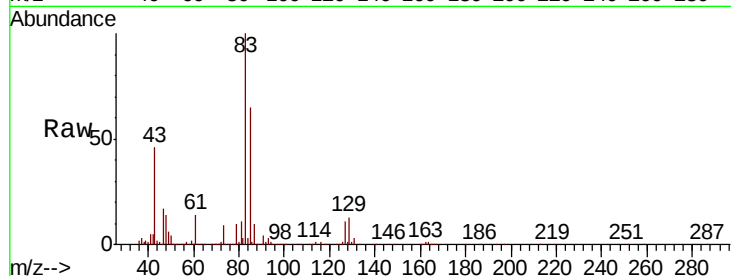
Tot Ion: 83 Resp: 123617

Ion Ratio Lower Upper

83 100

85 65.1 53.2 79.8

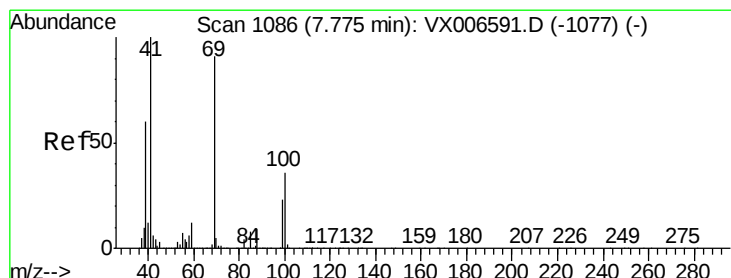
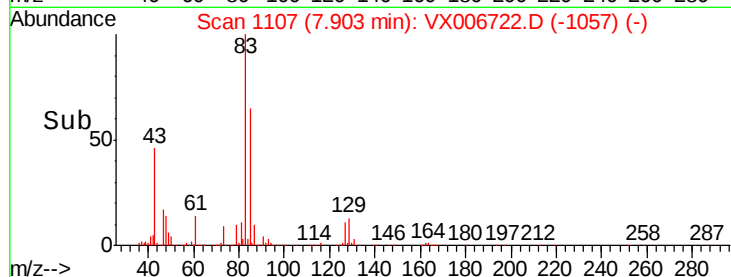
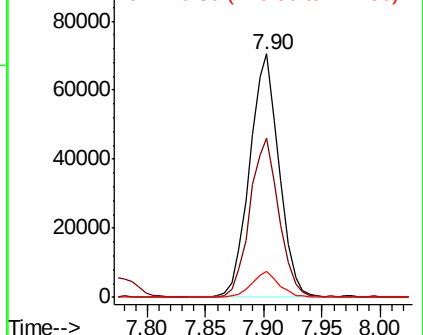
127 10.7 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.837 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

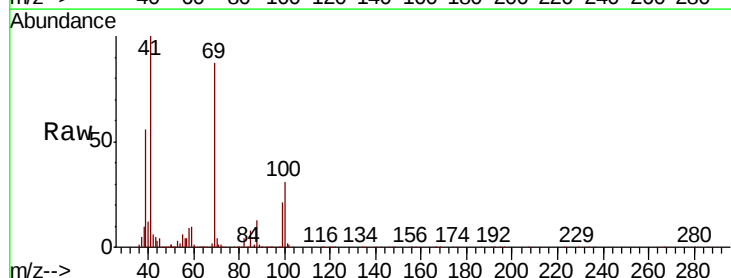
Tgt Ion: 41 Resp: 123677

Ion Ratio Lower Upper

41 100

69 87.4 72.4 108.6

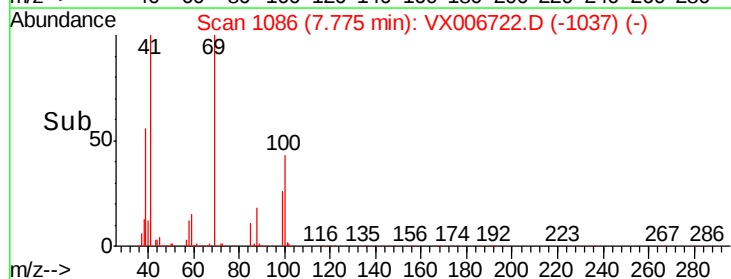
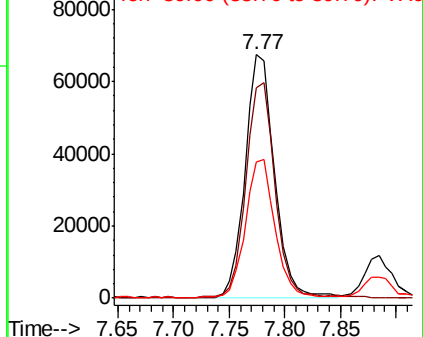
39 57.6 45.8 68.8

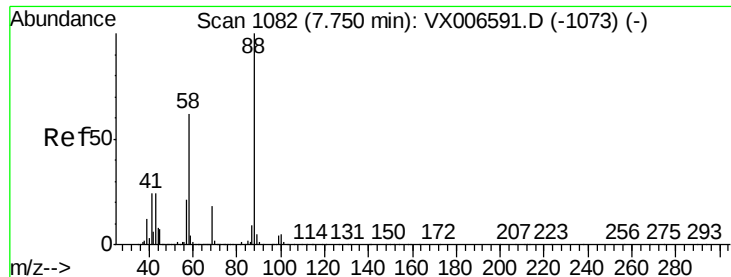


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 363.652 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

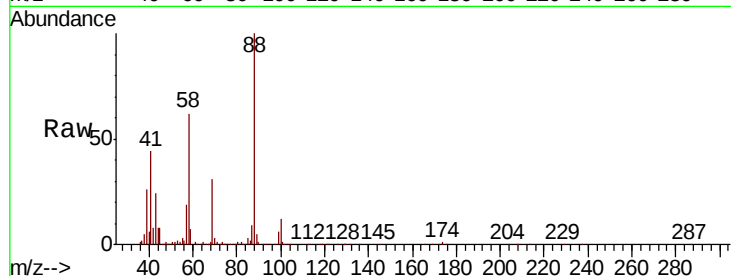
Tot Ion: 88 Resp: 58440

Ion Ratio Lower Upper

88 100

43 27.6 22.2 33.4

58 64.1 51.0 76.4

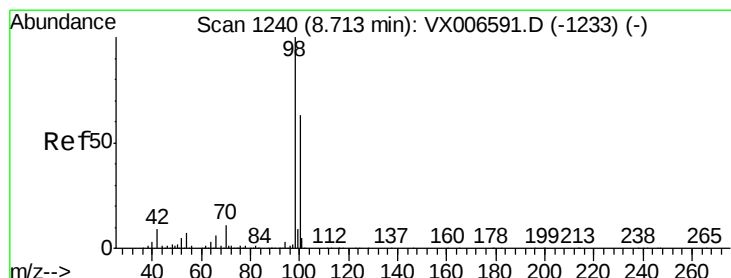
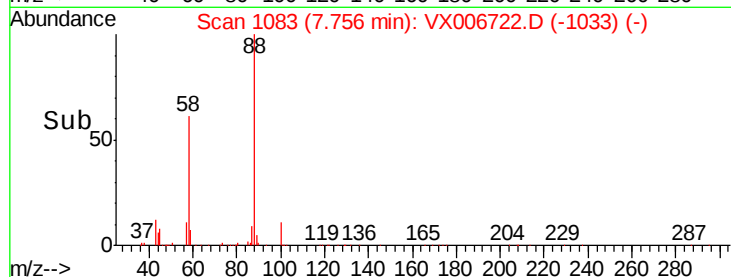
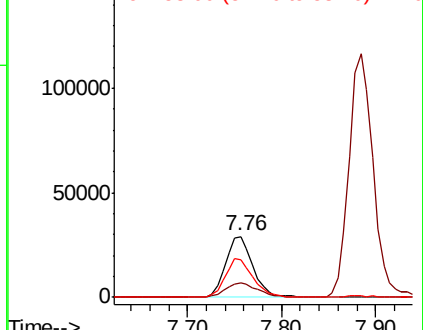


Abundance

Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.338 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006722.D

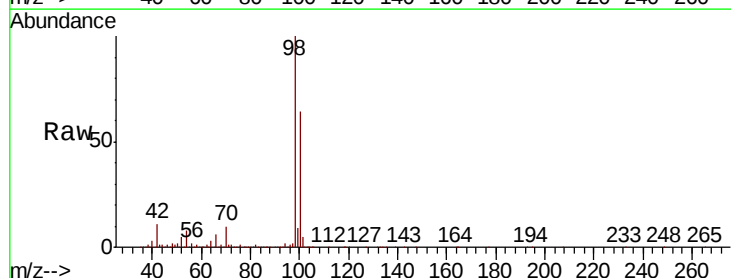
Acq: 21 Dec 2018 14:36

Tgt Ion: 98 Resp: 1046739

Ion Ratio Lower Upper

98 100

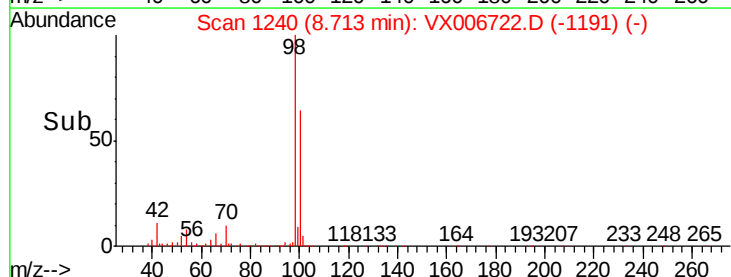
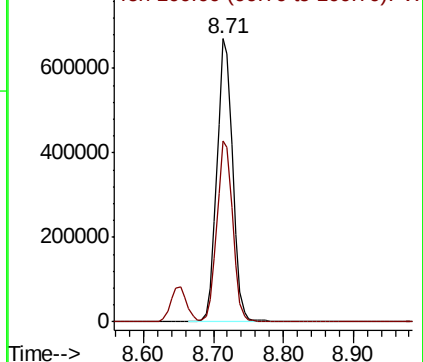
100 64.5 52.0 78.0

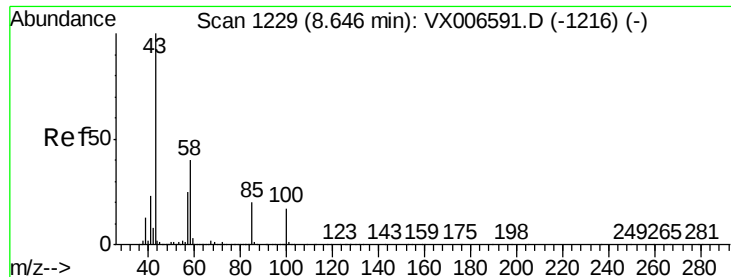


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 105.507 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleID :

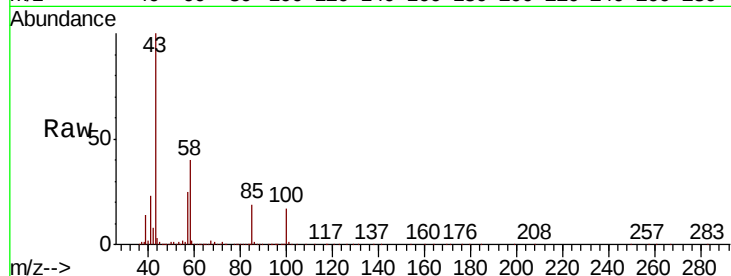
VX1221WBSD01

Tot Ion: 43 Resp: 783551

Ion Ratio Lower Upper

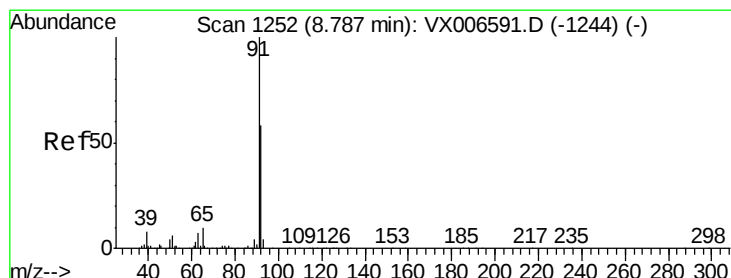
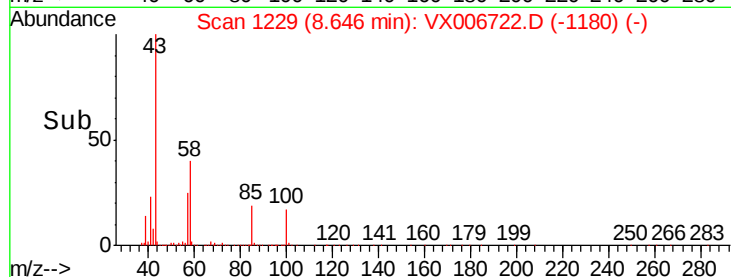
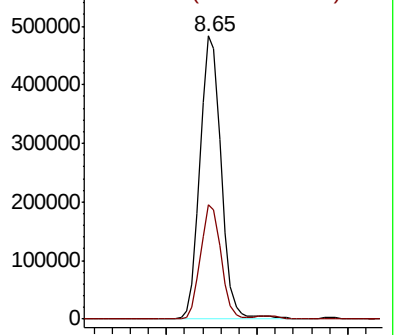
43 100

58 39.1 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.289 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006722.D

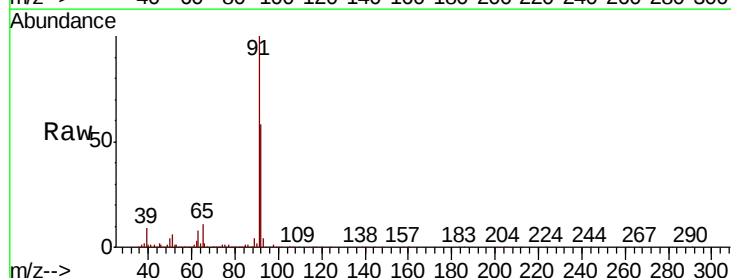
Acq: 21 Dec 2018 14:36

Tgt Ion: 92 Resp: 279186

Ion Ratio Lower Upper

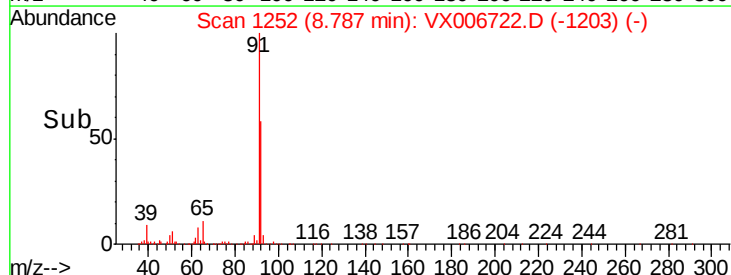
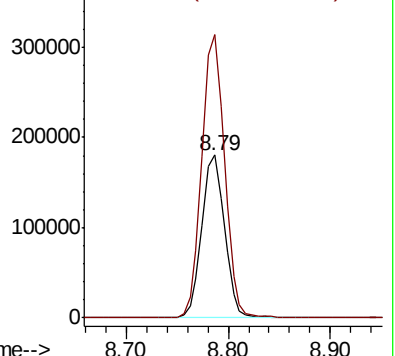
92 100

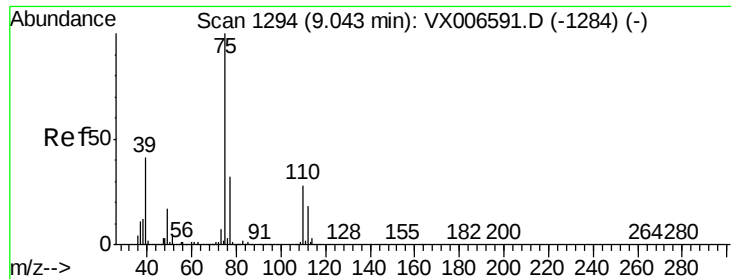
91 173.5 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 17.191 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

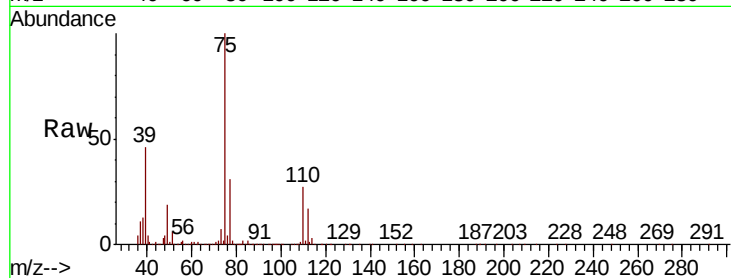
VX1221WBSD01

Tot Ion: 75 Resp: 122746

Ion Ratio Lower Upper

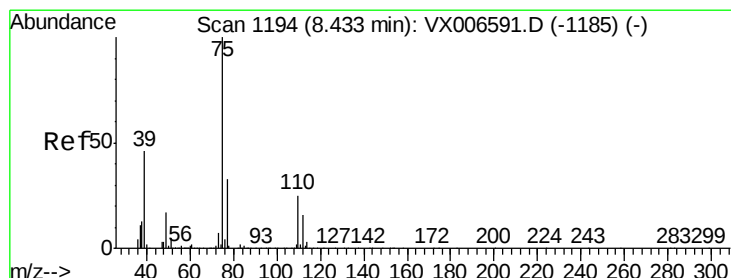
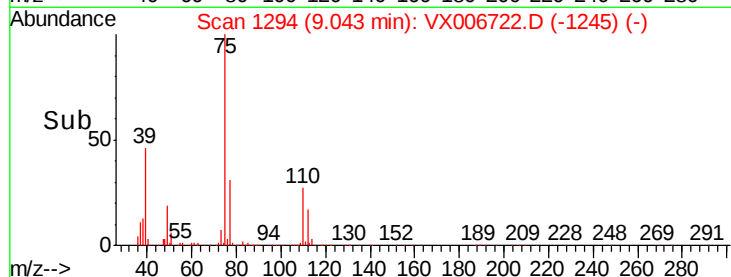
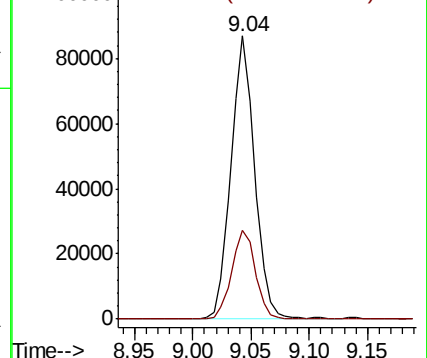
75 100

77 31.2 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 18.316 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

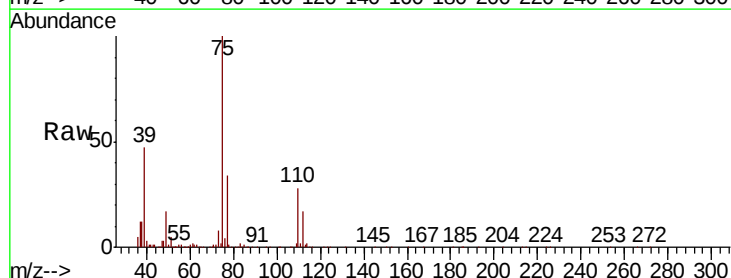
Tgt Ion: 75 Resp: 143503

Ion Ratio Lower Upper

75 100

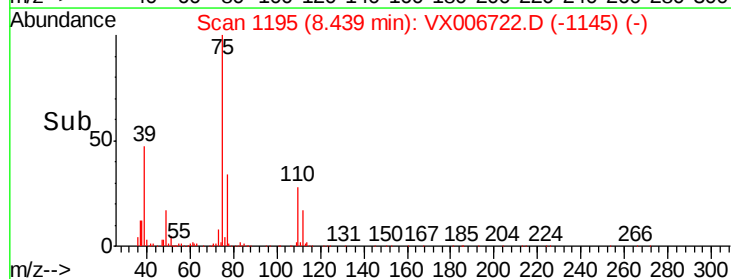
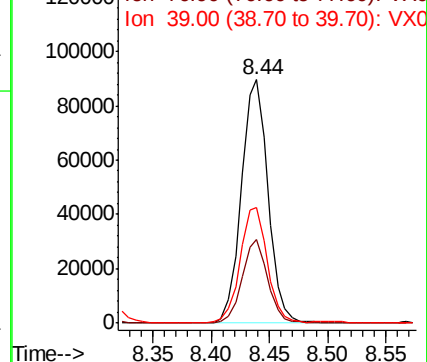
77 34.3 26.2 39.2

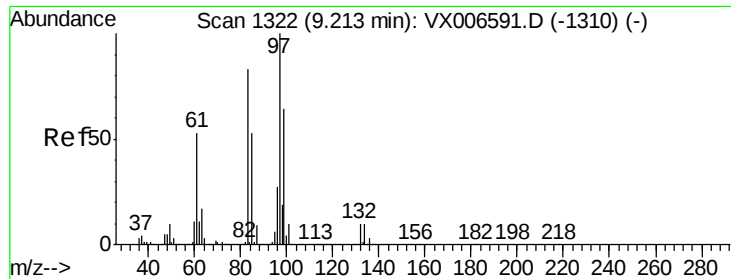
39 47.2 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#55

1,1,2-Trichloroethane

Concen: 20.223 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

Tot Ion: 97 Resp: 119808

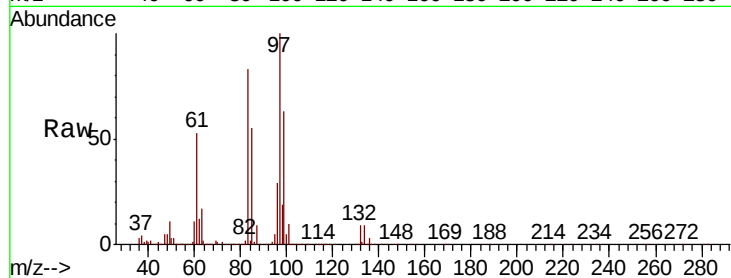
Ion Ratio Lower Upper

97 100

83 82.6 66.6 99.8

85 54.6 42.7 64.1

99 62.8 50.8 76.2

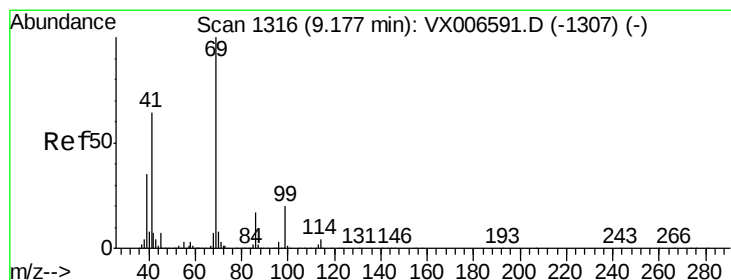
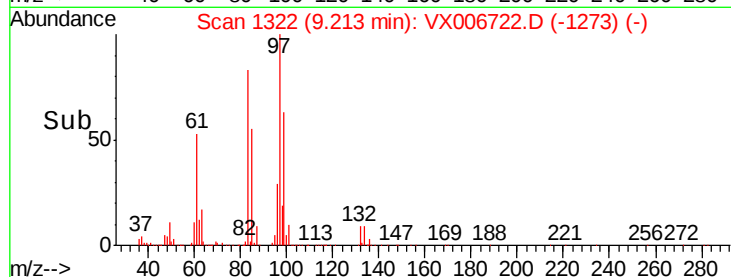
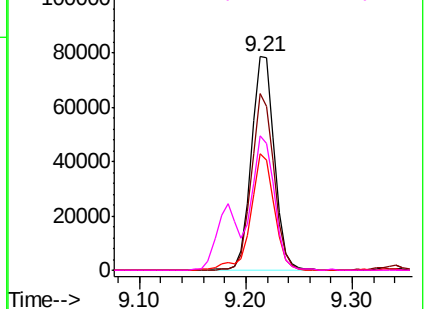


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 20.252 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

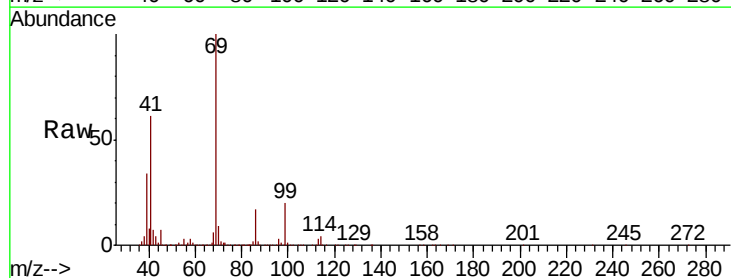
Tgt Ion: 69 Resp: 169572

Ion Ratio Lower Upper

69 100

41 63.0 48.7 73.1

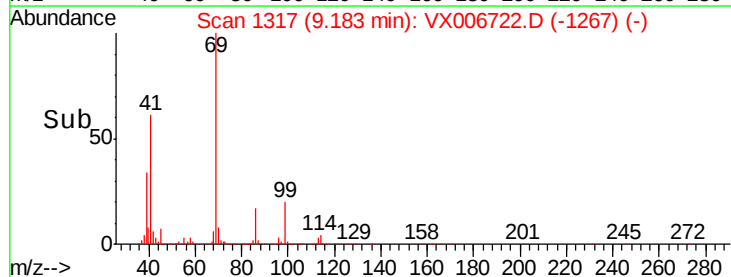
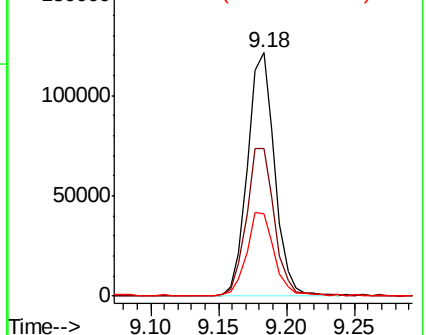
39 34.7 27.0 40.6

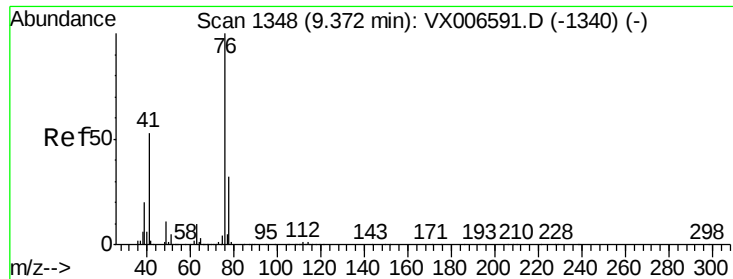


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.935 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

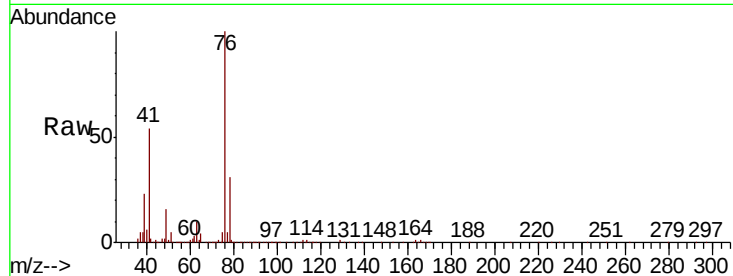
VX1221WBSD01

Tot Ion: 76 Resp: 190011

Ion Ratio Lower Upper

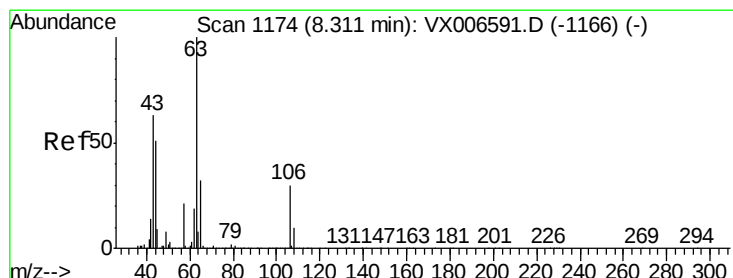
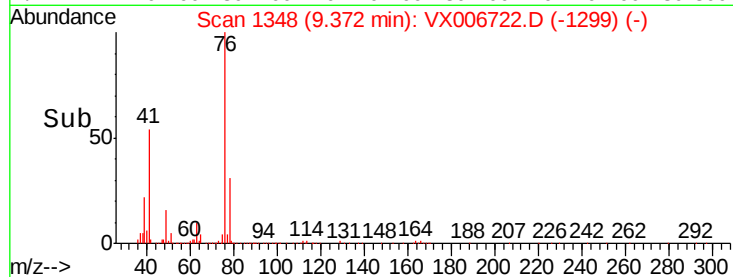
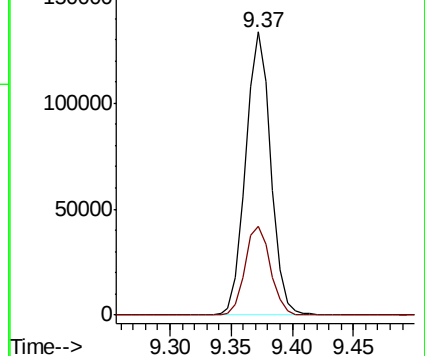
76 100

78 32.2 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 100.625 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006722.D

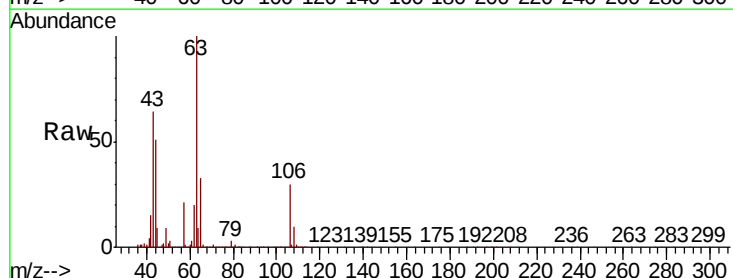
Acq: 21 Dec 2018 14:36

Tgt Ion: 63 Resp: 447874

Ion Ratio Lower Upper

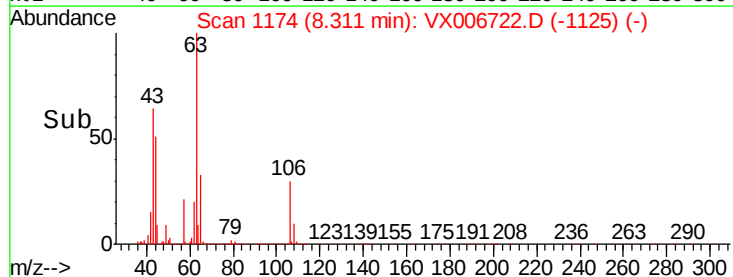
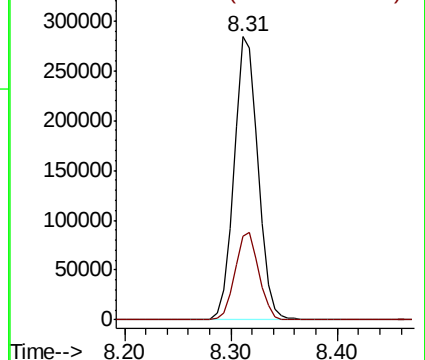
63 100

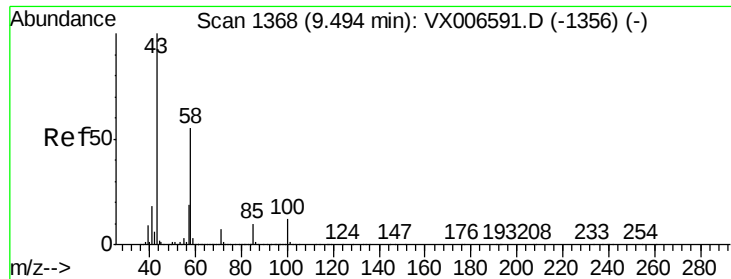
106 31.0 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

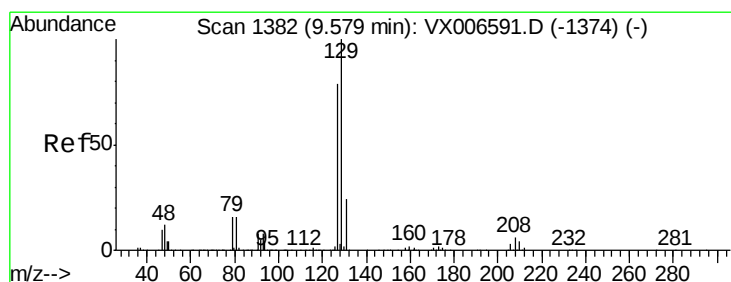
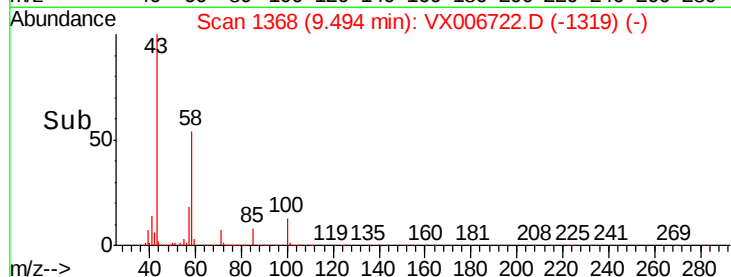
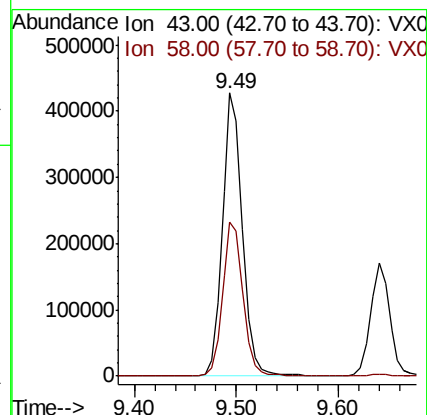
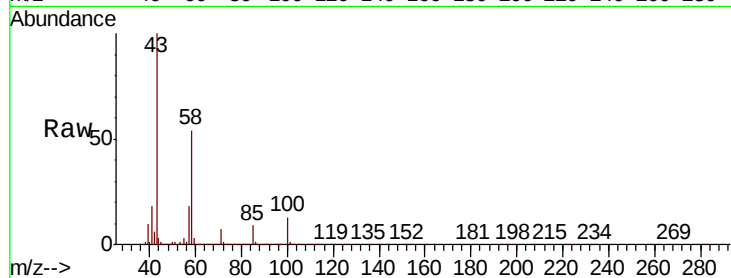




#59
2-Hexanone
Concen: 102.776 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

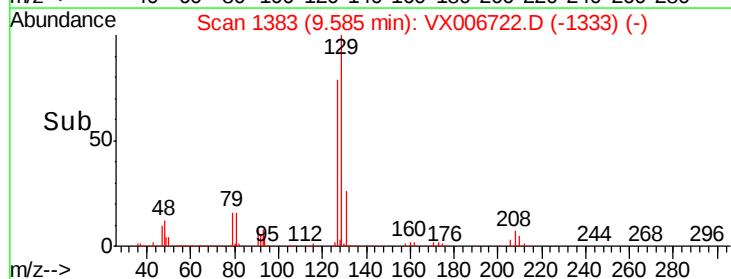
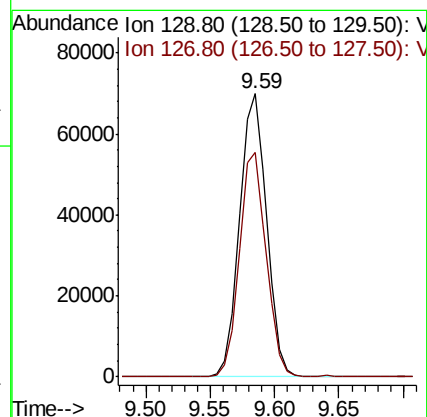
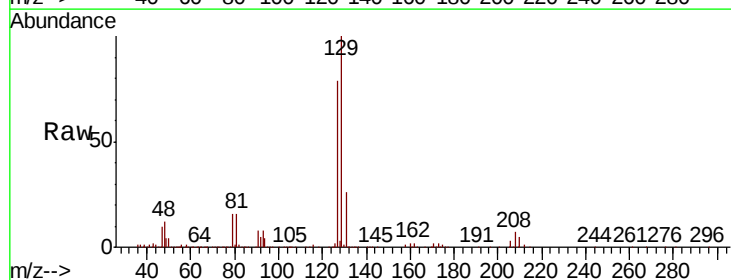
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

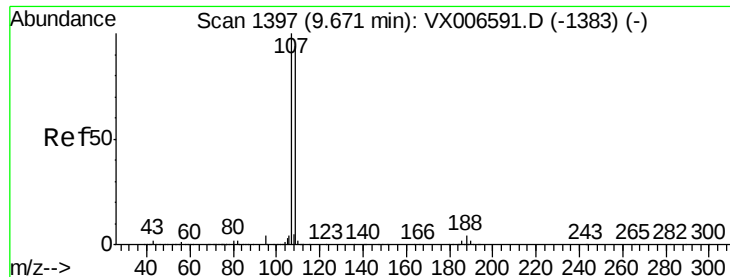
Tot Ion: 43 Resp: 583994
Ion Ratio Lower Upper
43 100
58 55.9 27.7 83.1



#60
Dibromochloromethane
Concen: 17.971 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion: 129 Resp: 101673
Ion Ratio Lower Upper
129 100
127 78.9 39.3 117.8





#61

1,2-Dibromoethane

Concen: 19.733 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

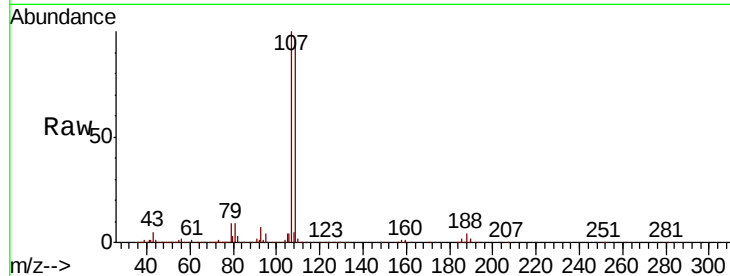
VX1221WBSD01

Tot Ion: 107 Resp: 124270

Ion Ratio Lower Upper

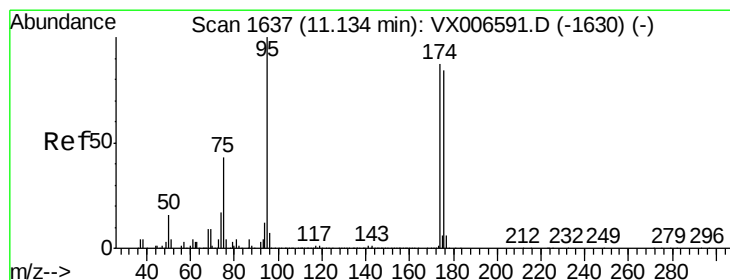
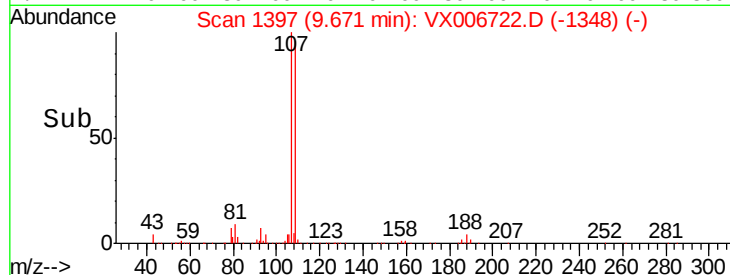
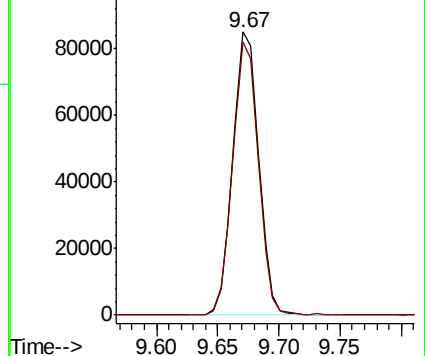
107 100

109 95.9 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.117 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

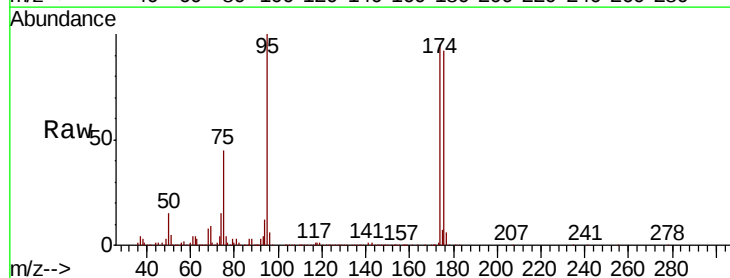
Tgt Ion: 95 Resp: 373874

Ion Ratio Lower Upper

95 100

174 90.6 0.0 182.2

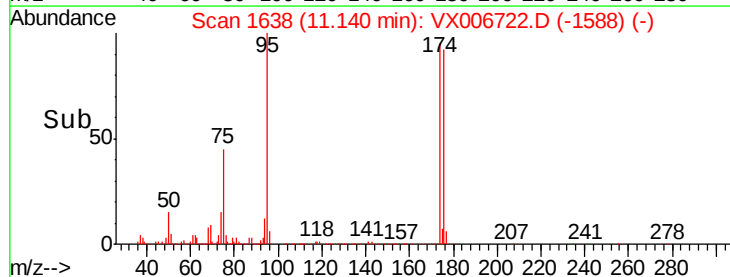
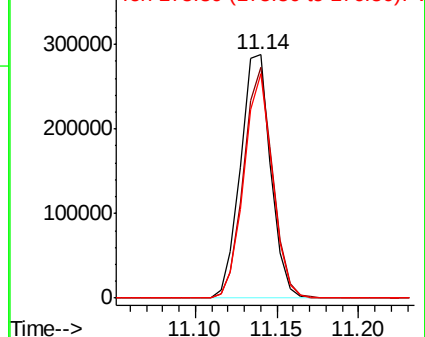
176 87.4 0.0 178.8

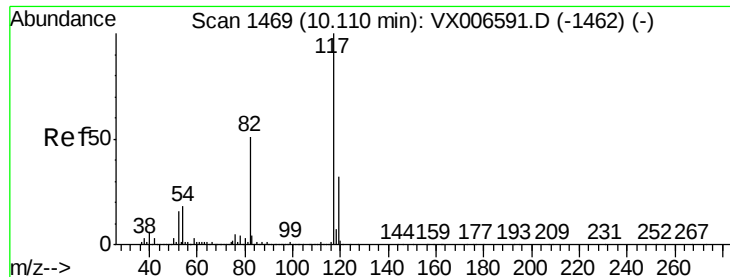


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

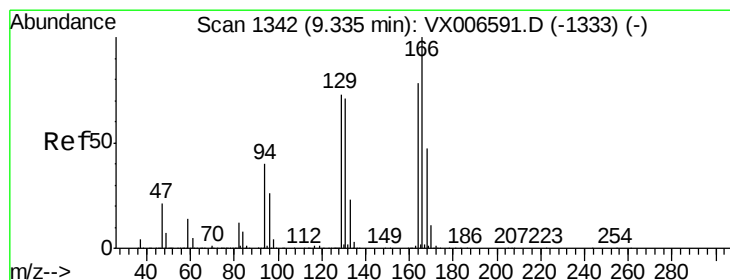
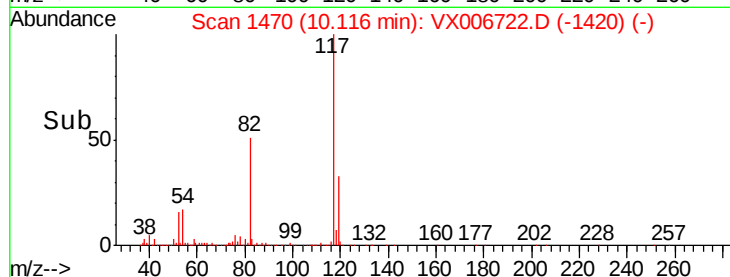
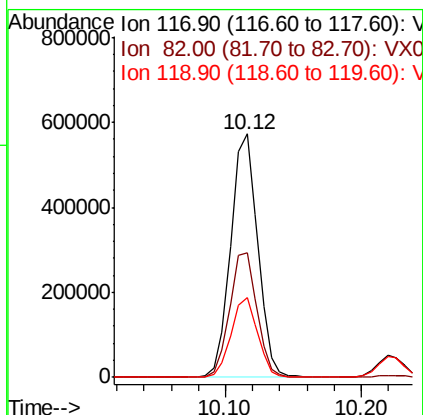
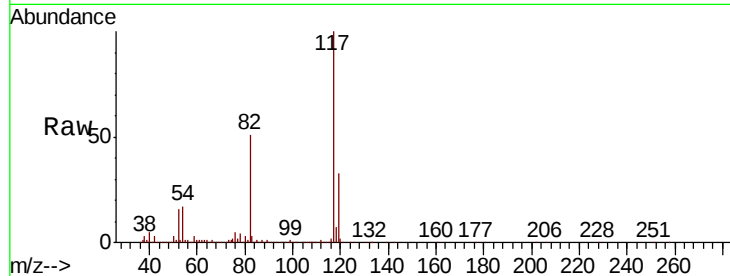




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

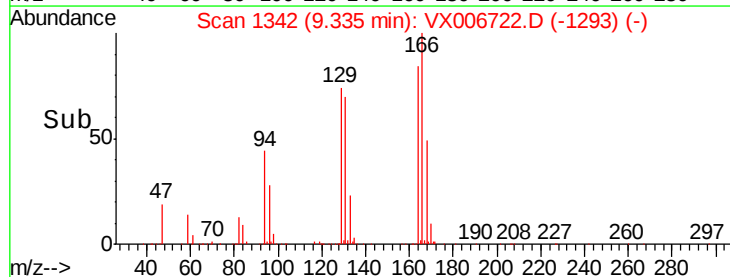
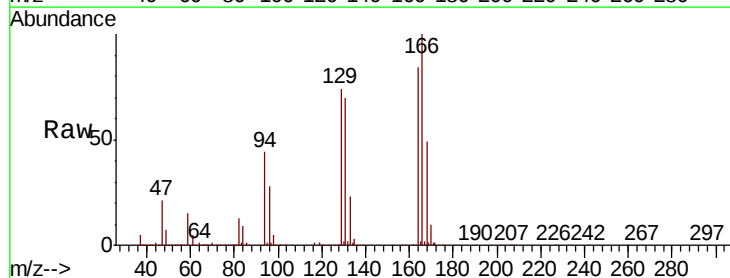
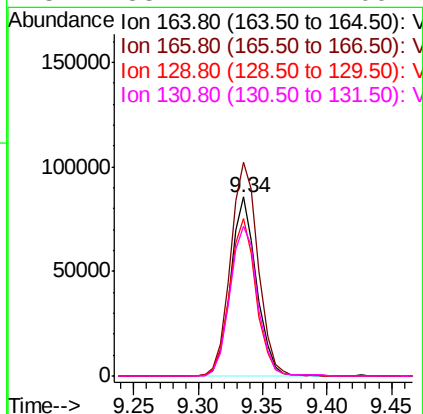
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

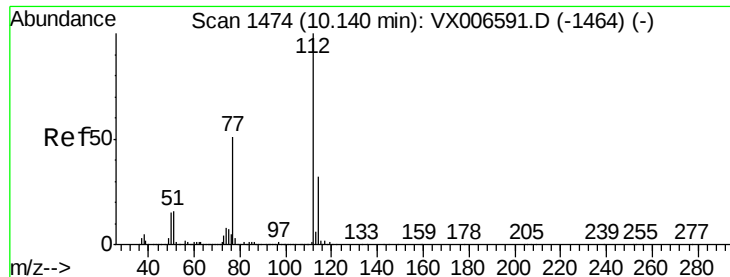
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	41.0	61.6
119	33.0	25.4	38.0



#64
Tetrachloroethene
Concen: 19.221 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.4	102.5	153.7
129	88.2	75.1	112.7
131	83.7	72.7	109.1





#65

Chlorobenzene

Concen: 19.490 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

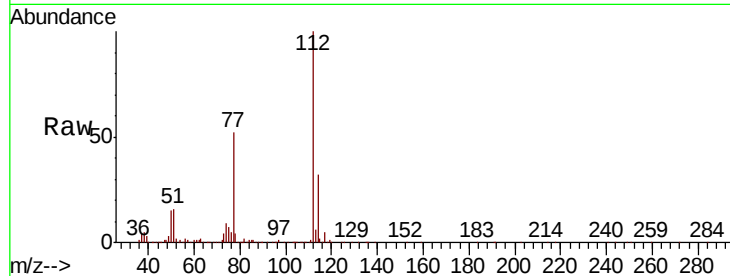
VX1221WBSD01

Tot Ion:112 Resp: 326358

Ion Ratio Lower Upper

112 100

114 31.8 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

250000

200000

150000

100000

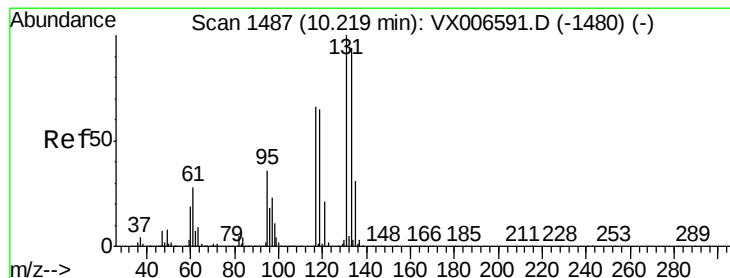
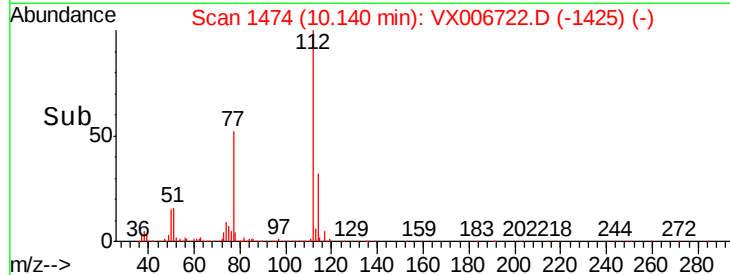
50000

0

10.10

10.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.303 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

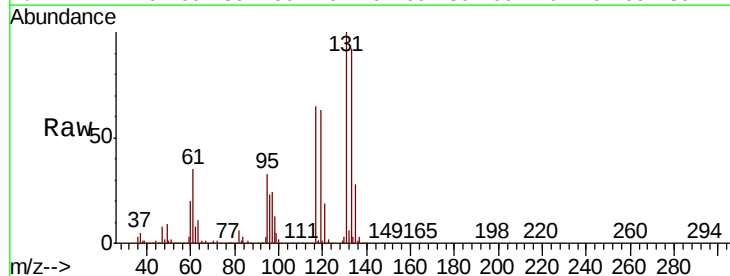
Tgt Ion:131 Resp: 106070

Ion Ratio Lower Upper

131 100

133 96.5 48.0 144.2

119 62.5 32.6 97.8



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

150000

100000

50000

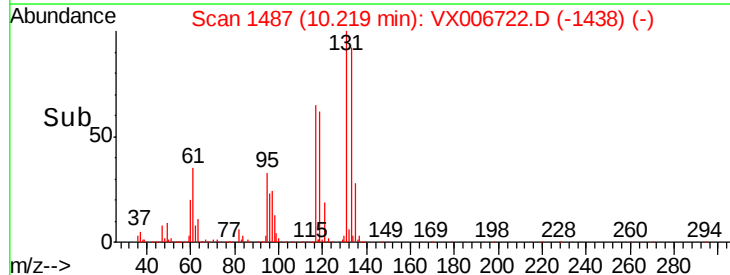
0

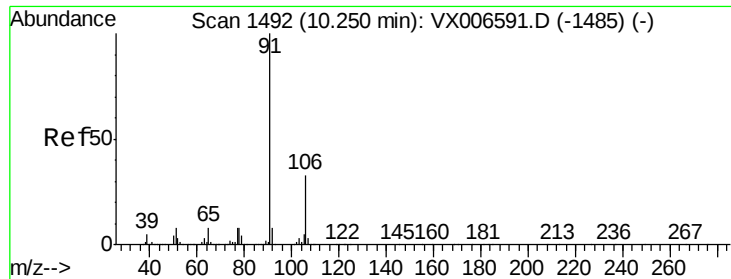
10.15

10.20

10.25

Time-->





#67

Ethyl Benzene

Concen: 19.585 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

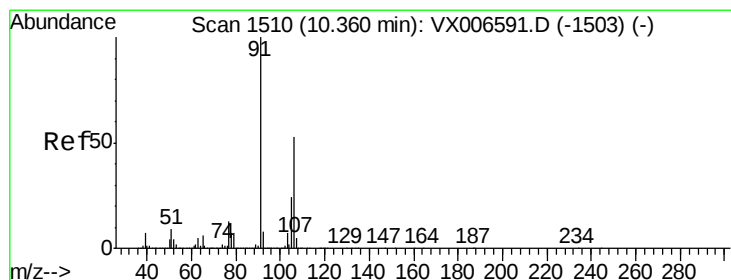
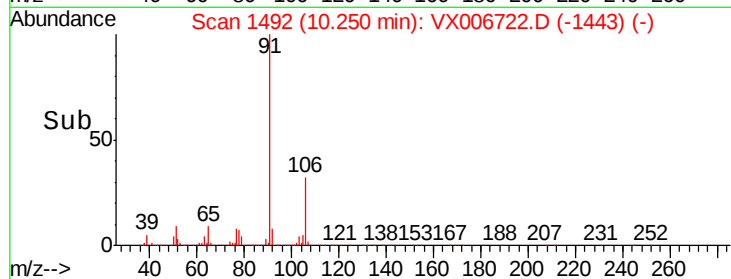
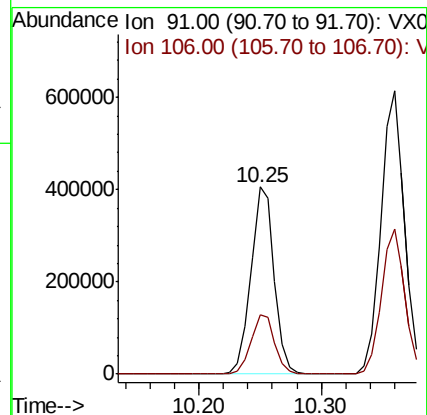
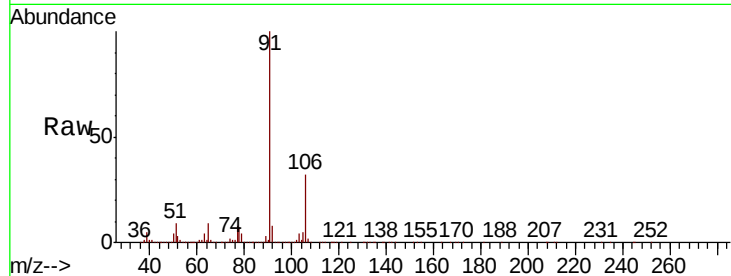
VX1221WBSD01

Tot Ion: 91 Resp: 535887

Ion Ratio Lower Upper

91 100

106 31.5 26.4 39.6



#68

m/p-Xylenes

Concen: 38.847 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006722.D

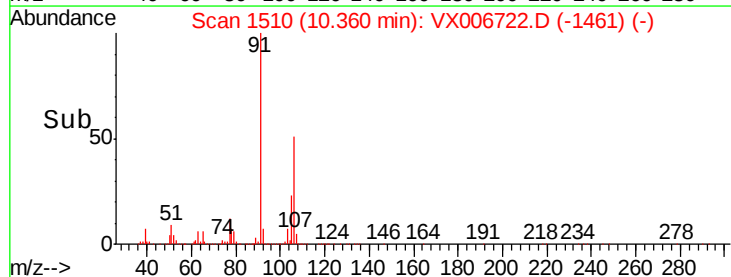
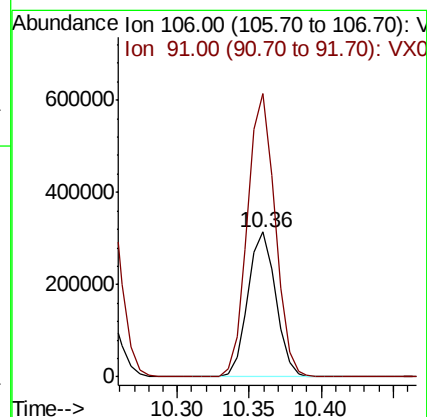
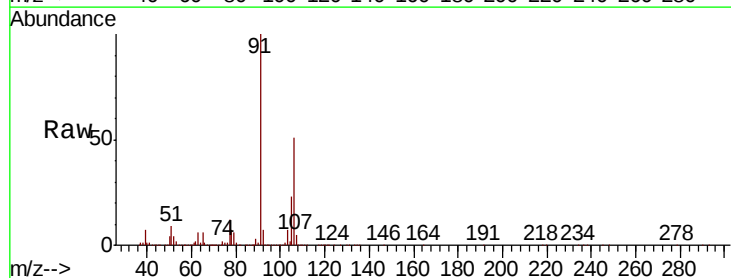
Acq: 21 Dec 2018 14:36

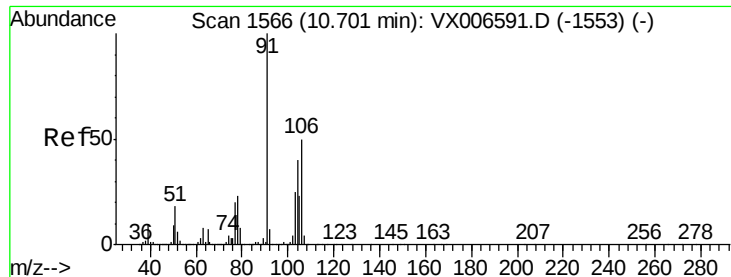
Tgt Ion: 106 Resp: 419433

Ion Ratio Lower Upper

106 100

91 194.8 155.8 233.6





#69

o-Xylene

Concen: 19.442 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

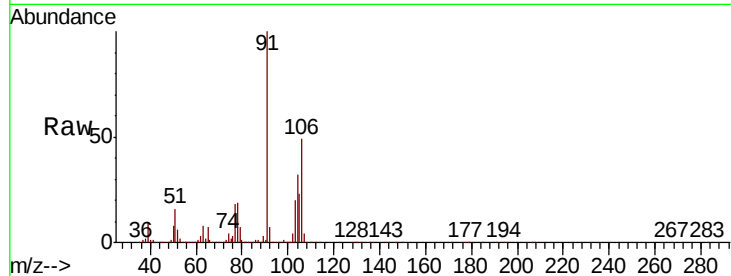
VX1221WBSD01

Tot Ion:106 Resp: 207287

Ion Ratio Lower Upper

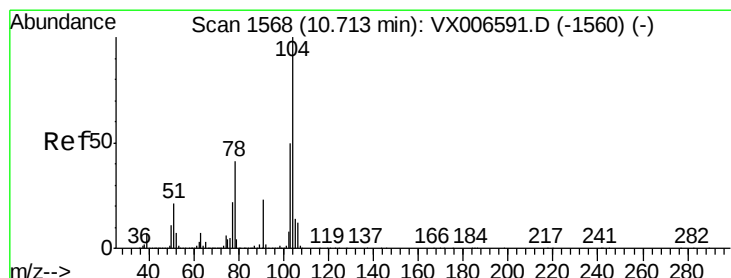
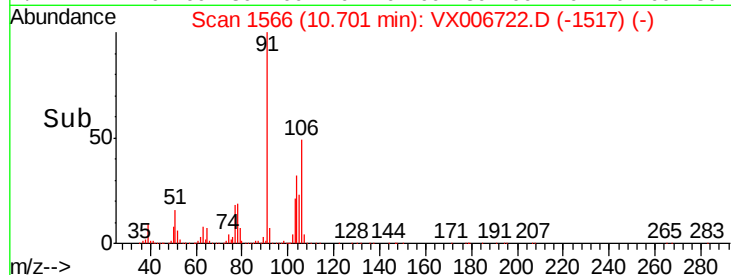
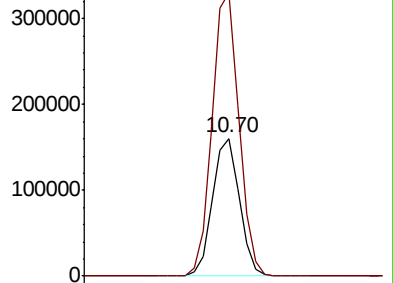
106 100

91 205.0 101.3 303.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#70

Styrene

Concen: 19.536 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

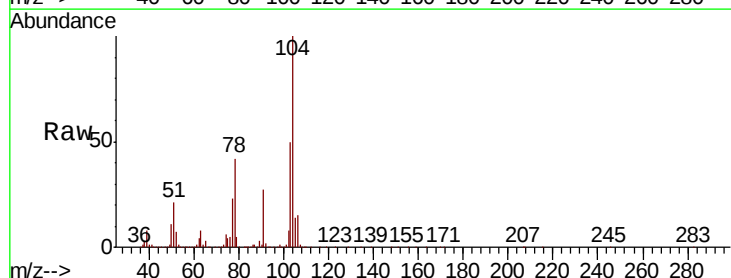
Tgt Ion:104 Resp: 329520

Ion Ratio Lower Upper

104 100

78 47.5 37.7 56.5

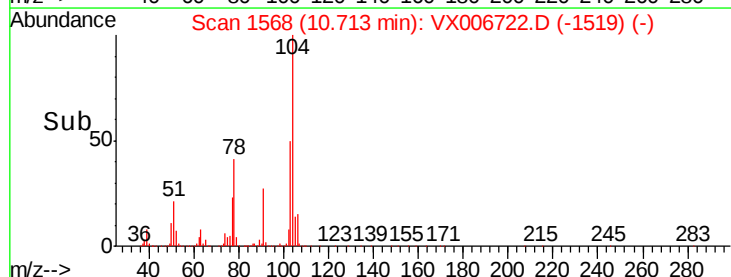
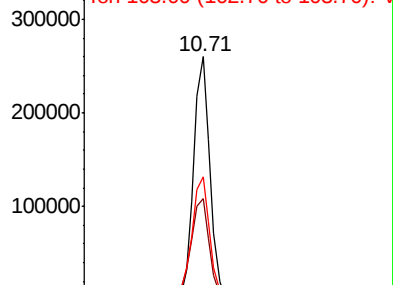
103 55.9 43.8 65.8

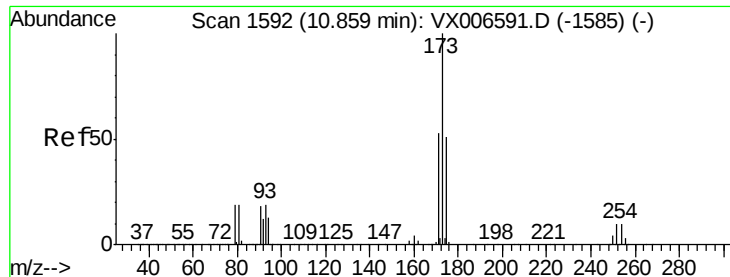


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.222 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampled :

VX1221WBSD01

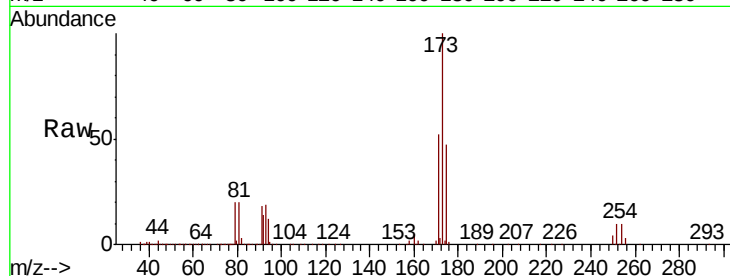
Tot Ion:173 Resp: 71201

Ion Ratio Lower Upper

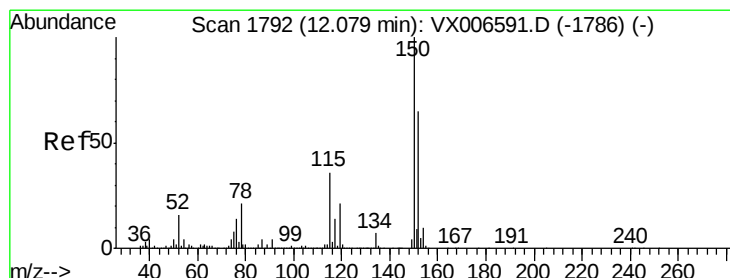
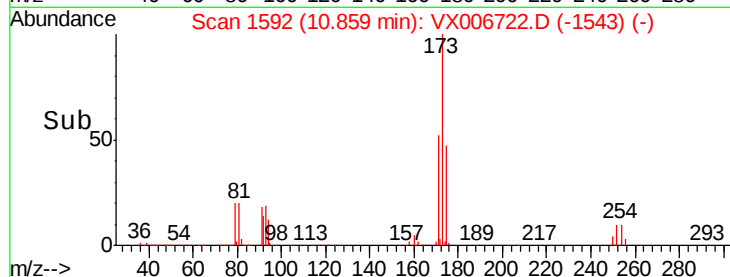
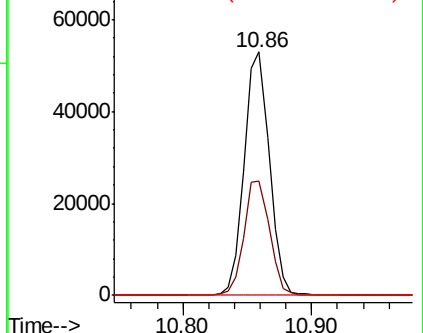
173 100

175 47.9 24.7 74.1

254 0.0 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: VX006722.D

Acq: 21 Dec 2018 14:36

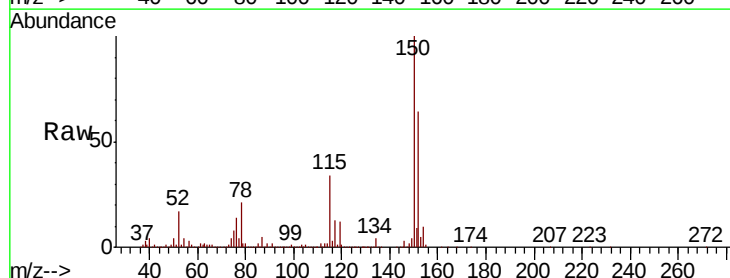
Tgt Ion:152 Resp: 394234

Ion Ratio Lower Upper

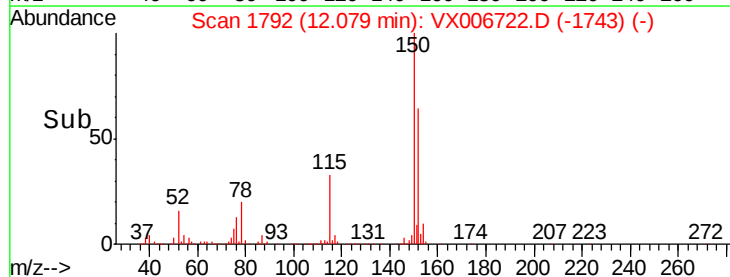
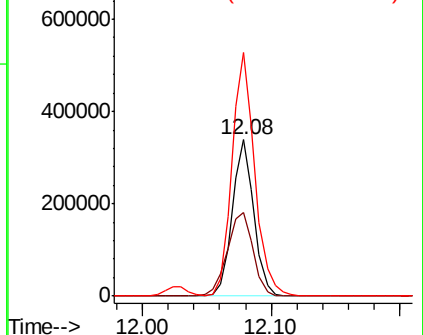
152 100

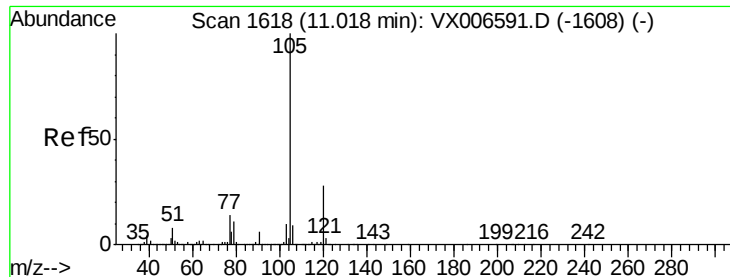
115 64.9 39.1 117.2

150 165.0 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.520 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

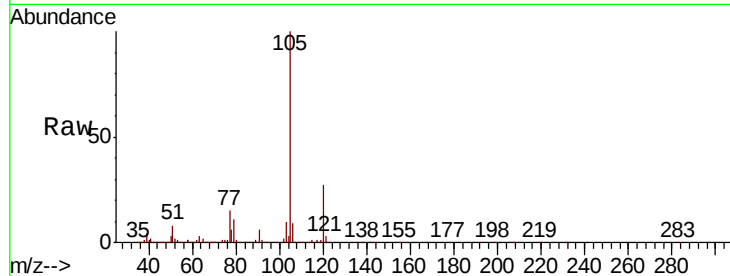
VX1221WBSD01

Tot Ion:105 Resp: 553428

Ion Ratio Lower Upper

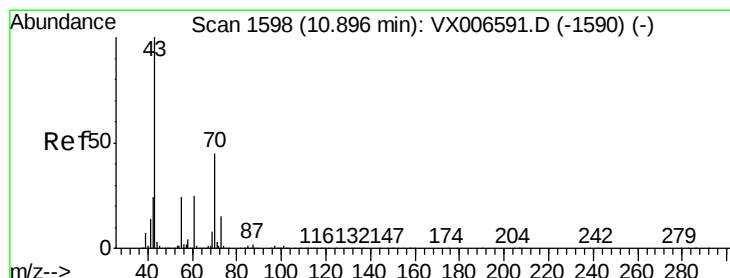
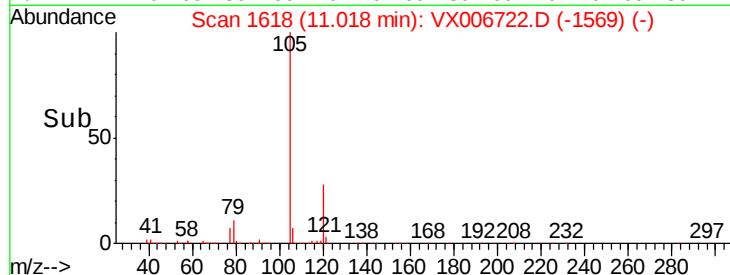
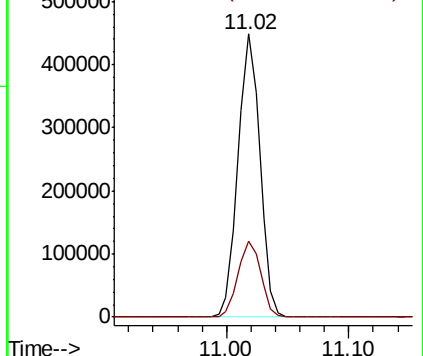
105 100

120 27.7 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.787 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Tgt Ion: 43 Resp: 210325

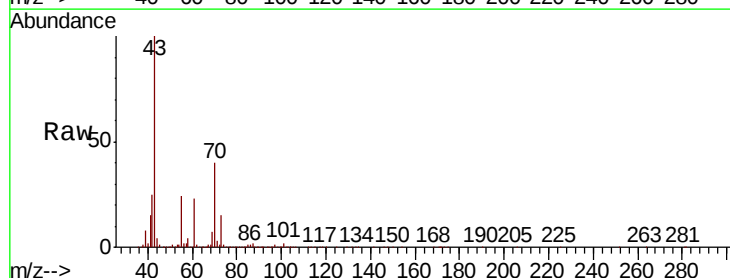
Ion Ratio Lower Upper

43 100

70 43.3 35.8 53.8

55 24.8 19.4 29.0

61 23.9 20.1 30.1

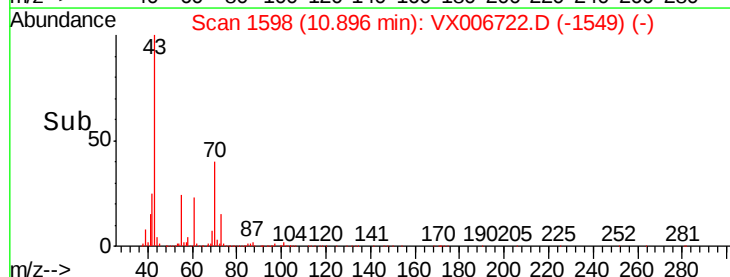
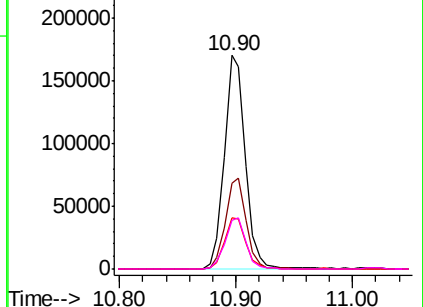


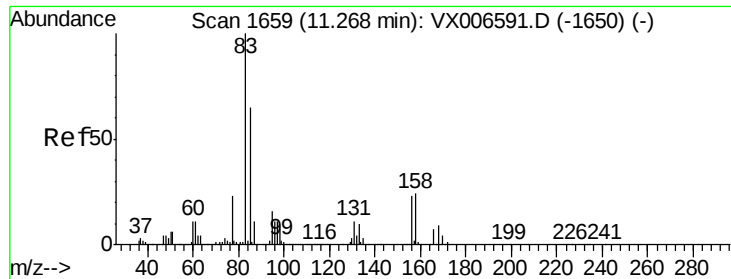
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.119 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

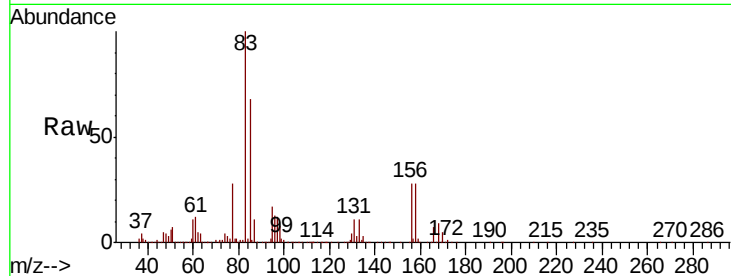
Tot Ion: 83 Resp: 177418

Ion Ratio Lower Upper

83 100

131 10.7 5.7 17.1

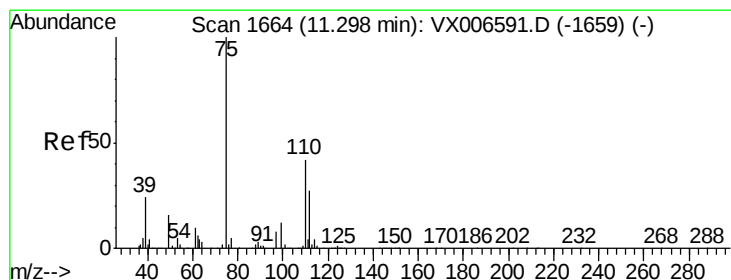
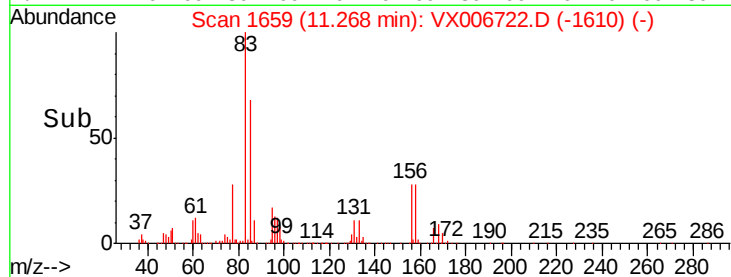
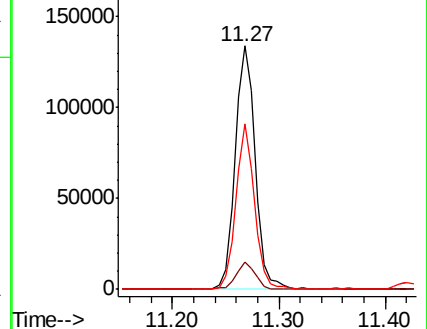
85 63.0 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.323 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006722.D

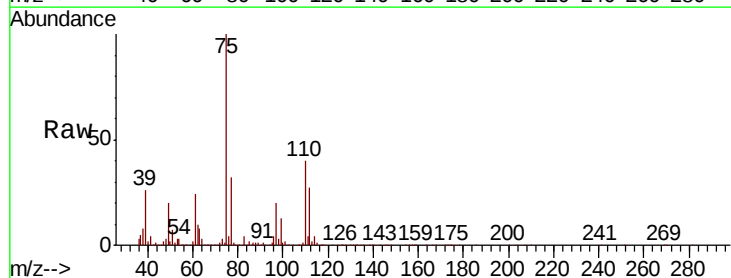
Acq: 21 Dec 2018 14:36

Tgt Ion: 75 Resp: 178205

Ion Ratio Lower Upper

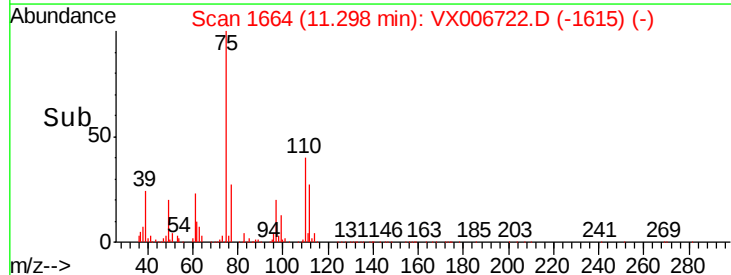
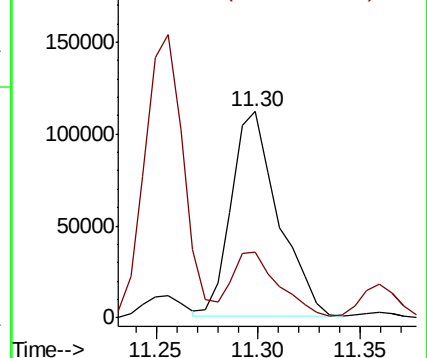
75 100

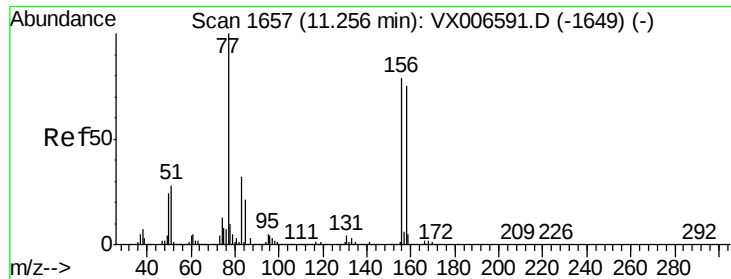
77 31.7 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.272 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

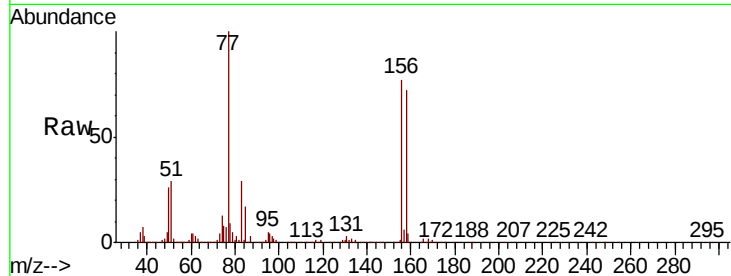
Tot Ion:156 Resp: 147813

Ion Ratio Lower Upper

156 100

77 137.7 68.0 204.0

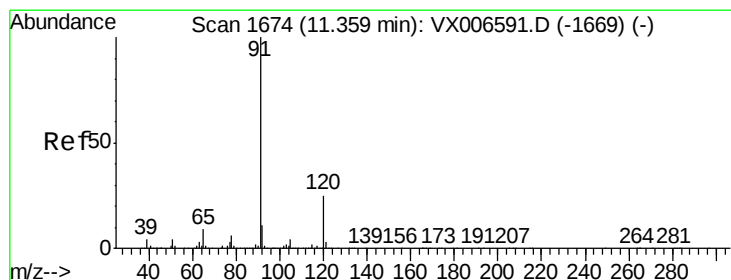
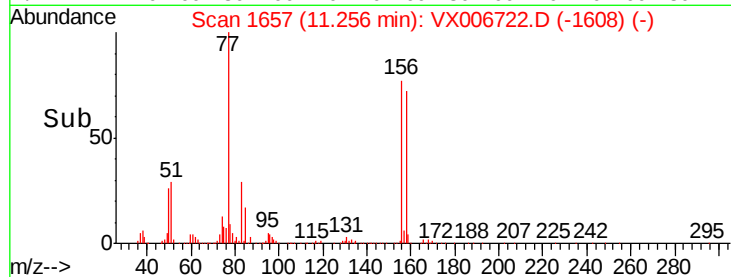
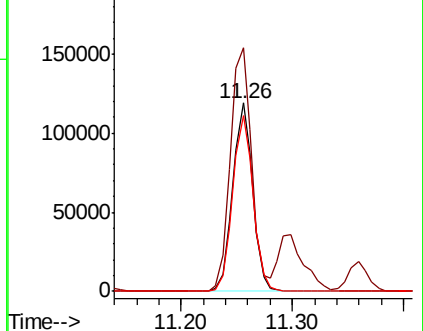
158 95.4 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.095 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006722.D

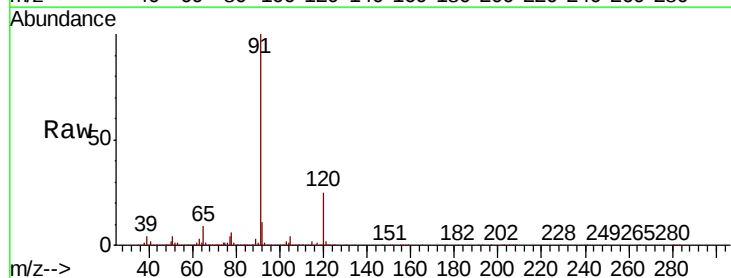
Acq: 21 Dec 2018 14:36

Tgt Ion: 91 Resp: 596816

Ion Ratio Lower Upper

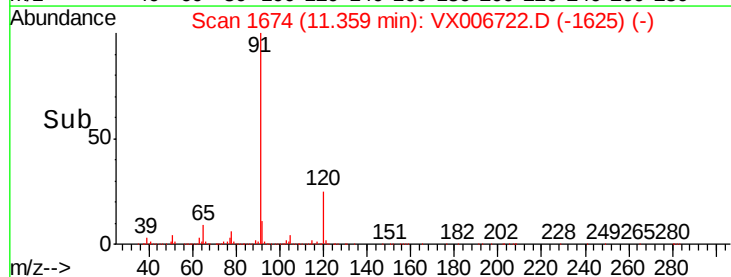
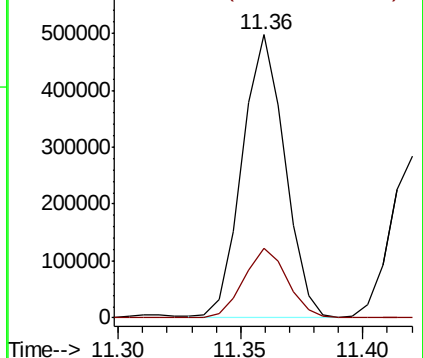
91 100

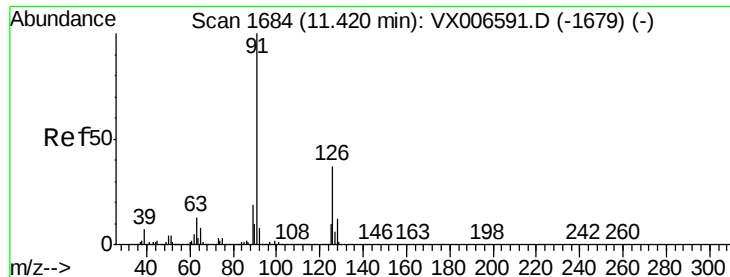
120 25.2 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.863 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

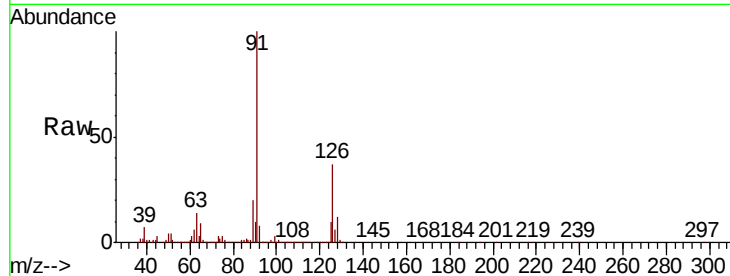
VX1221WBSD01

Tot Ion: 91 Resp: 357495

Ion Ratio Lower Upper

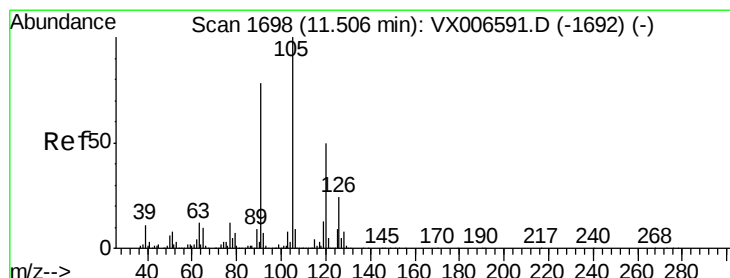
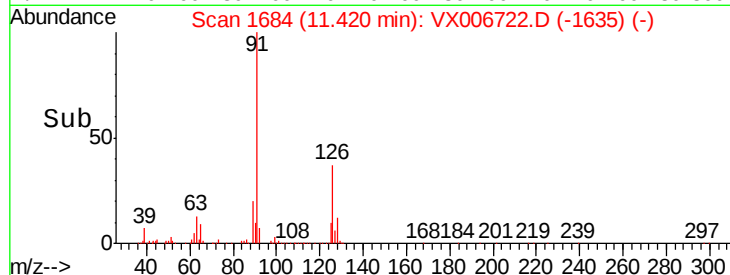
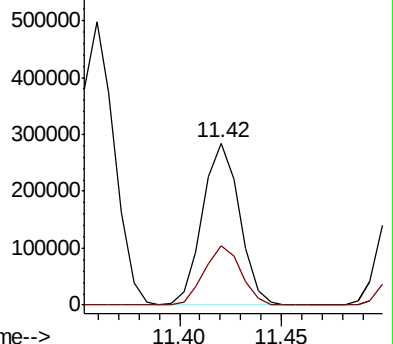
91 100

126 36.9 18.6 56.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.441 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006722.D

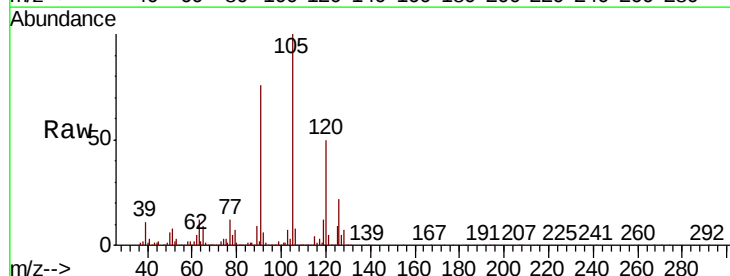
Acq: 21 Dec 2018 14:36

Tgt Ion: 105 Resp: 454077

Ion Ratio Lower Upper

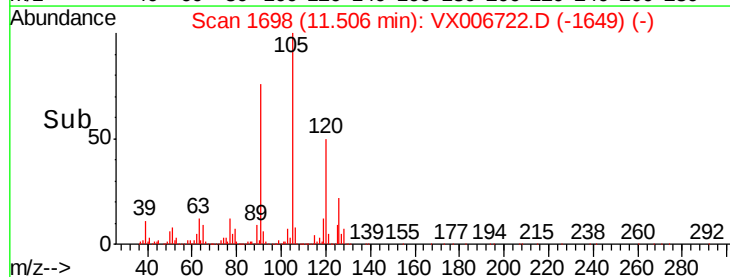
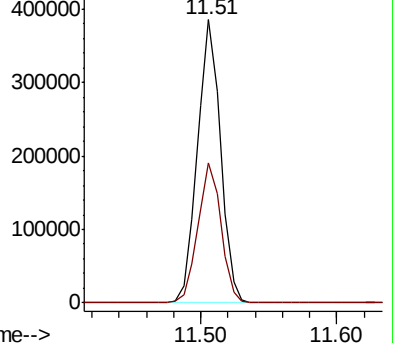
105 100

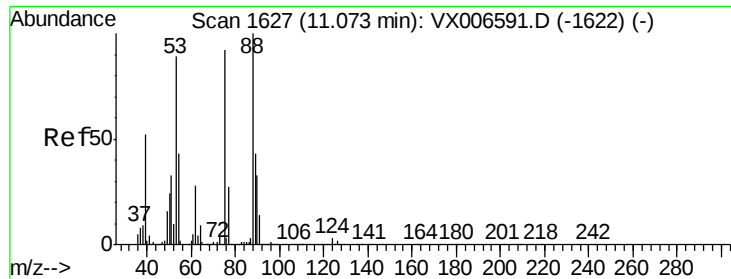
120 49.6 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

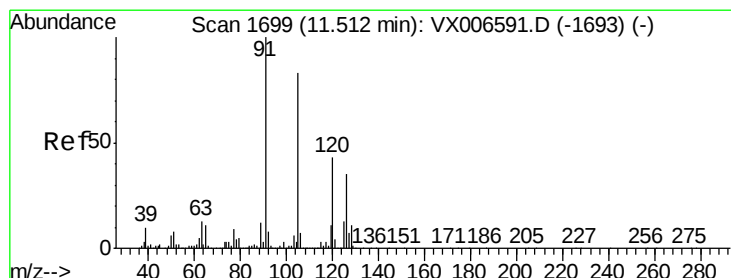
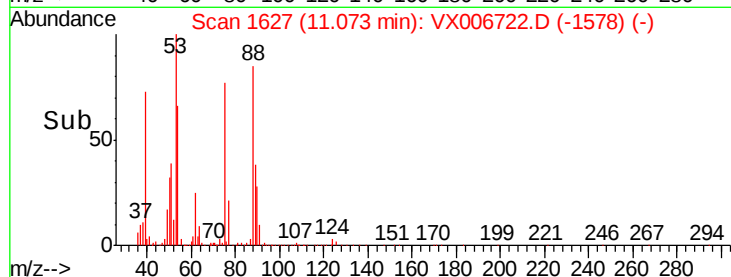
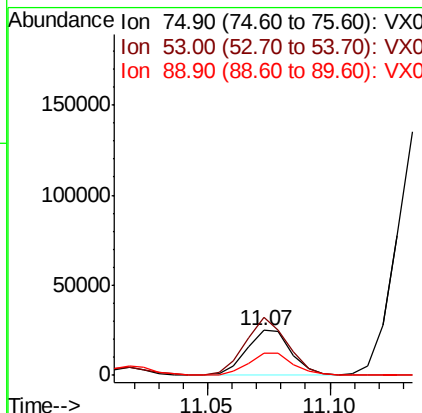
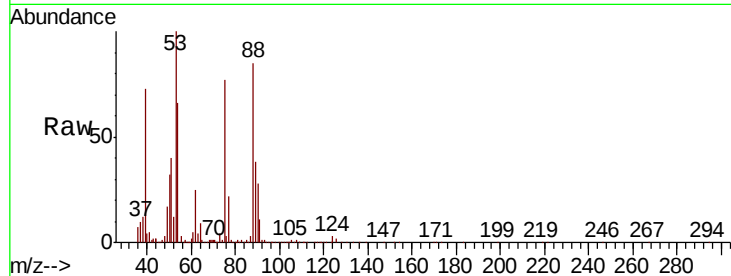




#81
trans-1,4-Dichloro-2-butene
Concen: 16.292 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

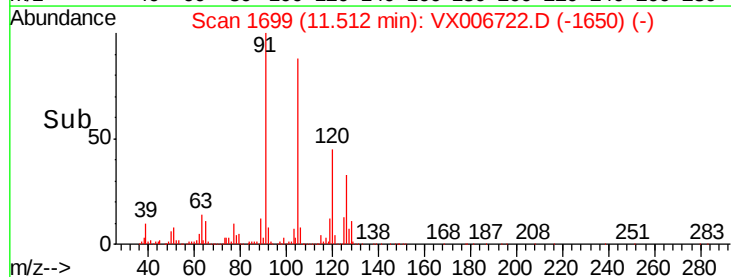
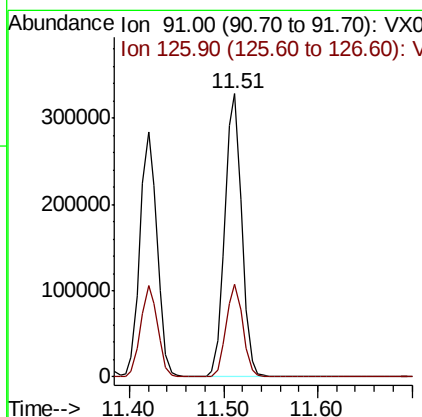
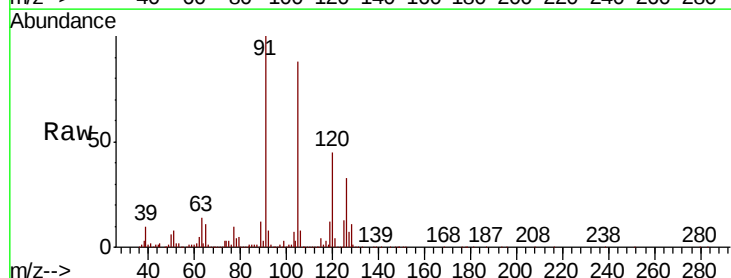
Instrument :
MSVOA_X
ClientSampled :
VX1221WBSD01

Tot Ion: 75 Resp: 31719
Ion Ratio Lower Upper
75 100
53 121.7 79.7 119.5#
89 50.1 38.0 57.0



#82
4-Chlorotoluene
Concen: 19.878 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion: 91 Resp: 410395
Ion Ratio Lower Upper
91 100
126 32.4 16.3 48.9





#83

tert-Butylbenzene

Concen: 20.474 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

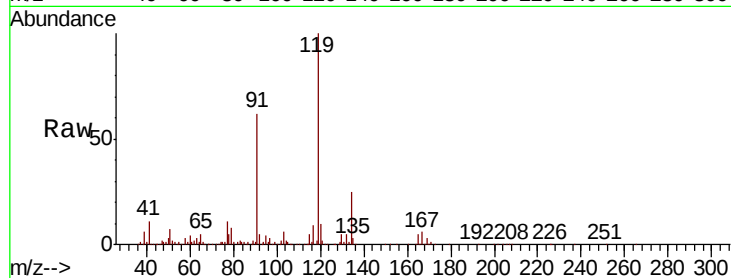
Tot Ion:119 Resp: 455197

Ion Ratio Lower Upper

119 100

91 56.5 27.7 83.1

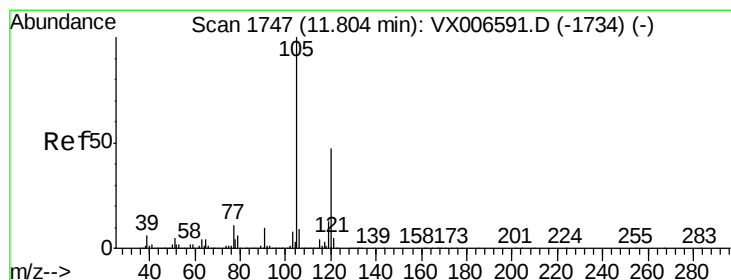
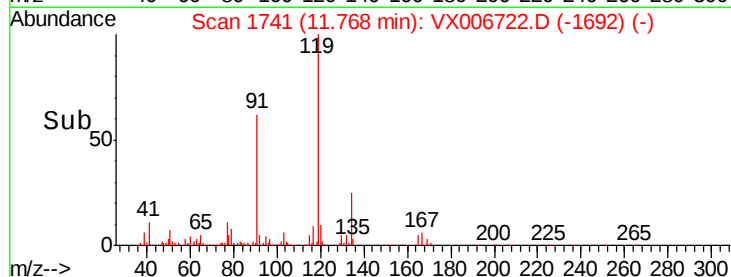
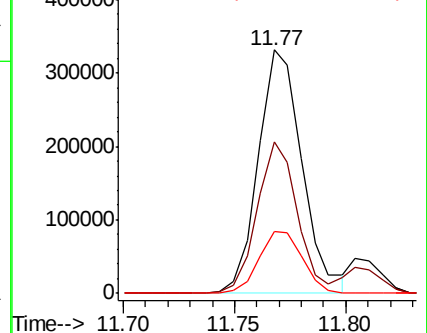
134 25.1 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.543 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006722.D

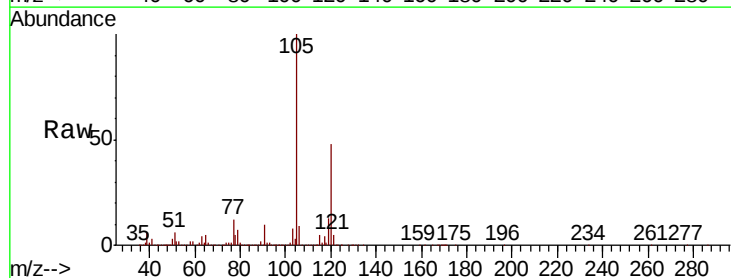
Acq: 21 Dec 2018 14:36

Tgt Ion:105 Resp: 456646

Ion Ratio Lower Upper

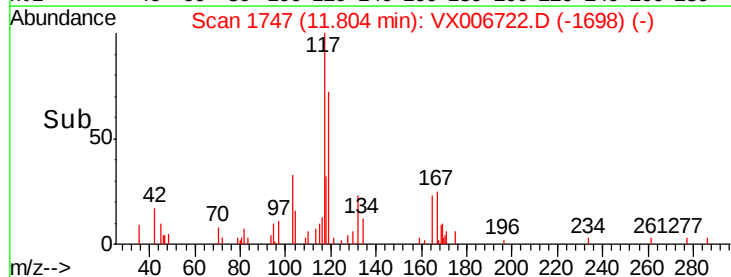
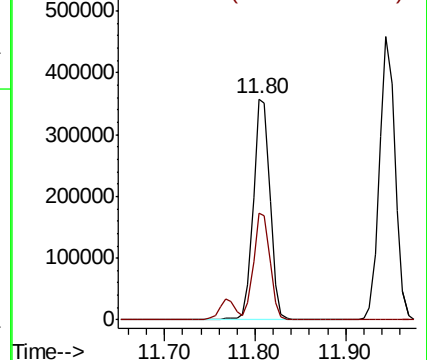
105 100

120 47.2 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.142 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

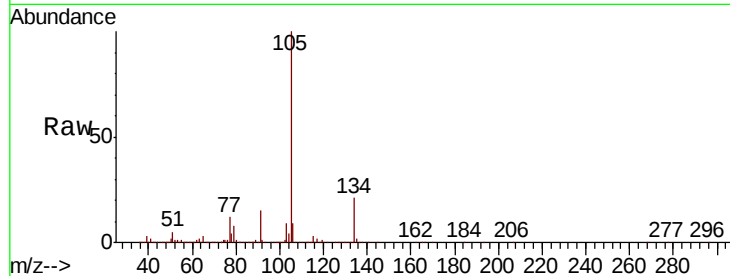
VX1221WBSD01

Tot Ion:105 Resp: 549054

Ion Ratio Lower Upper

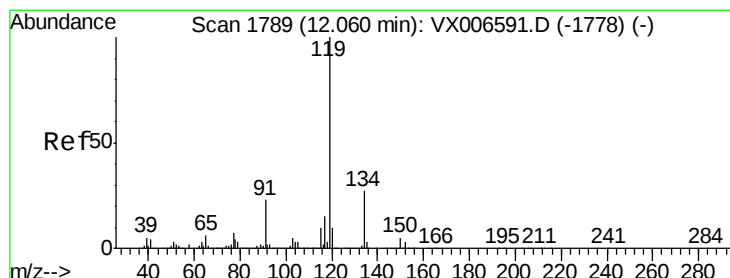
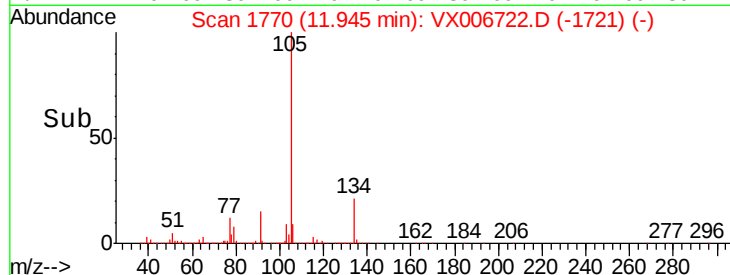
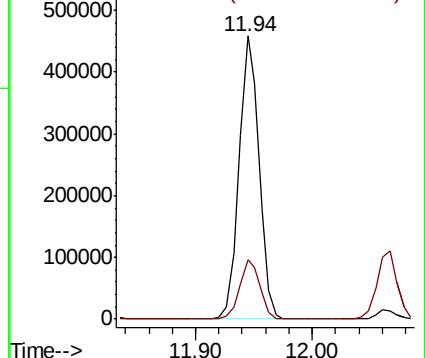
105 100

134 21.2 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.131 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

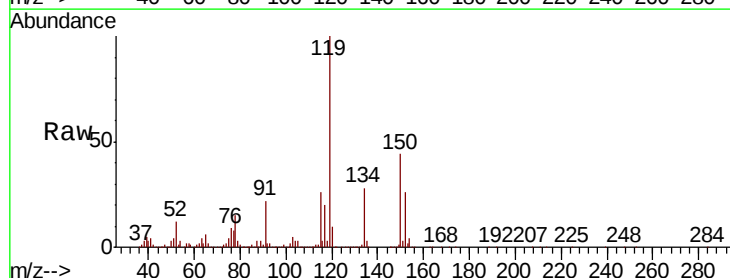
Tgt Ion:119 Resp: 482389

Ion Ratio Lower Upper

119 100

134 27.5 14.0 41.9

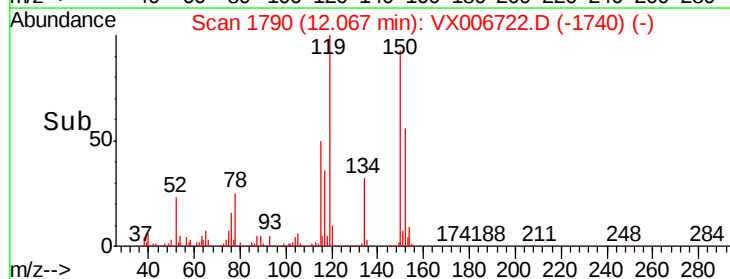
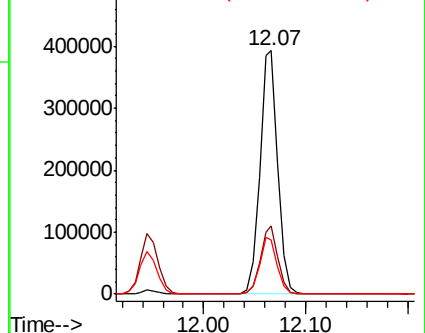
91 22.7 11.3 33.9

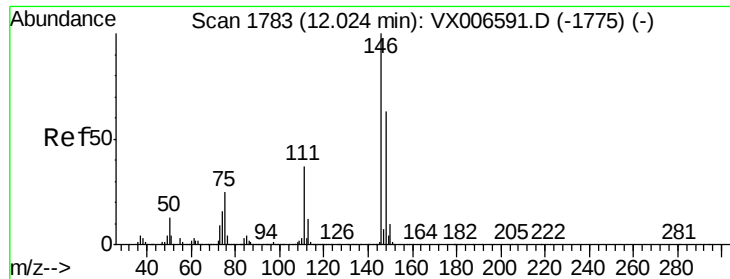


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 19.693 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

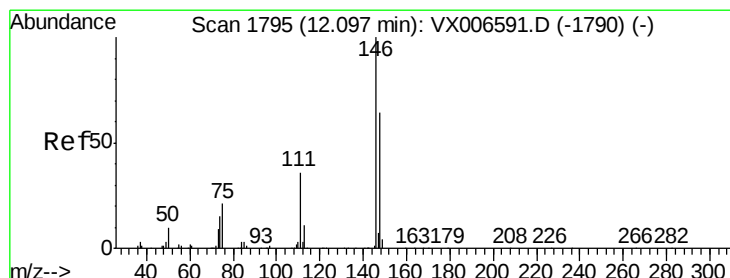
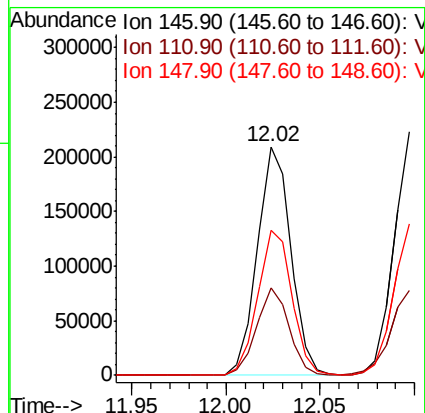
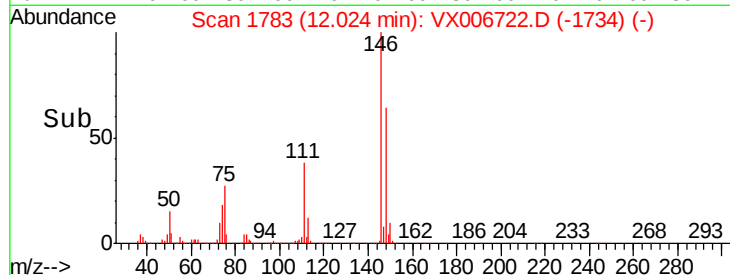
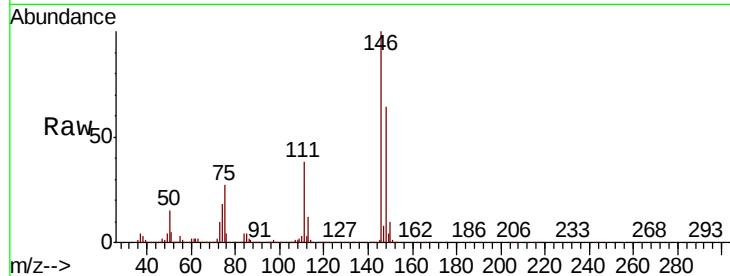
Tot Ion:146 Resp: 258795

Ion Ratio Lower Upper

146 100

111 37.1 18.6 55.8

148 64.6 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 19.156 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

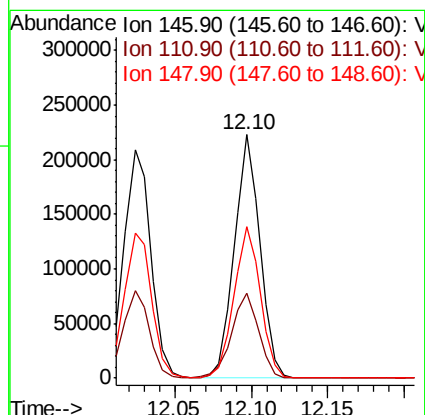
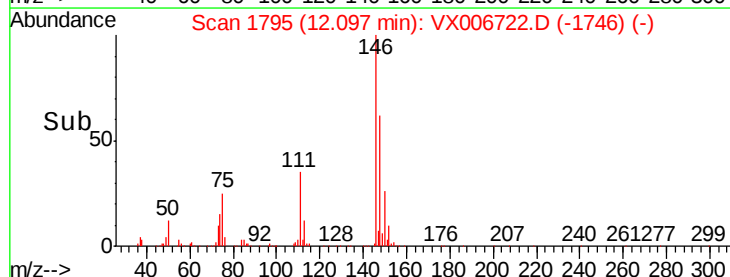
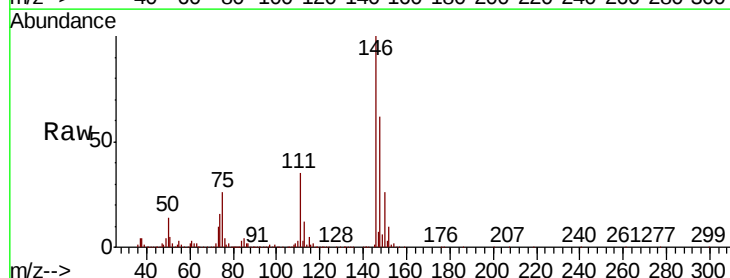
Tgt Ion:146 Resp: 258064

Ion Ratio Lower Upper

146 100

111 37.3 18.1 54.1

148 64.3 31.9 95.9

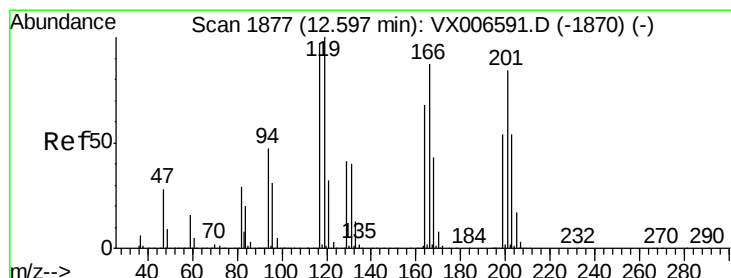
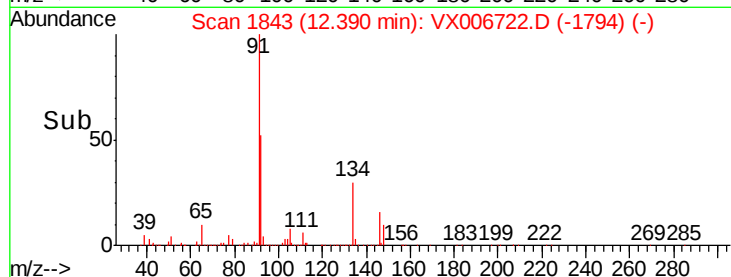
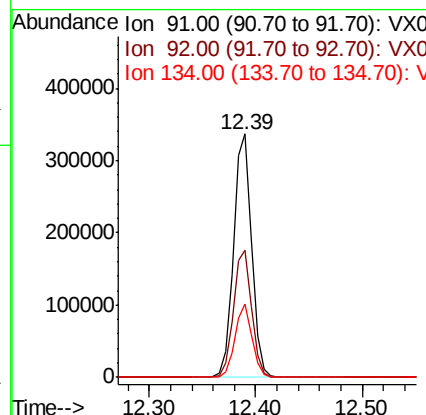
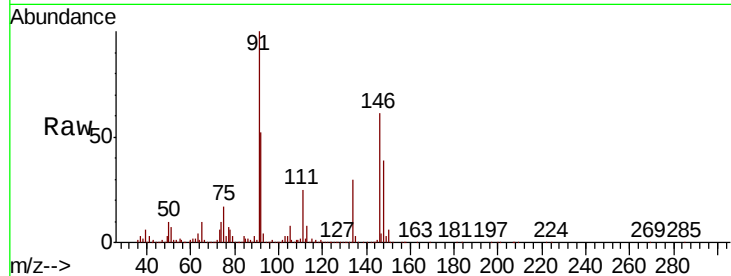




#89
n-Butylbenzene
Concen: 19.618 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

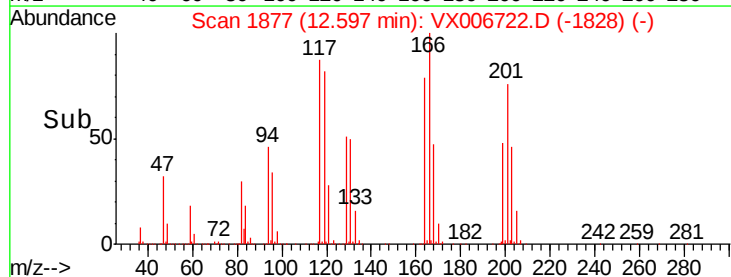
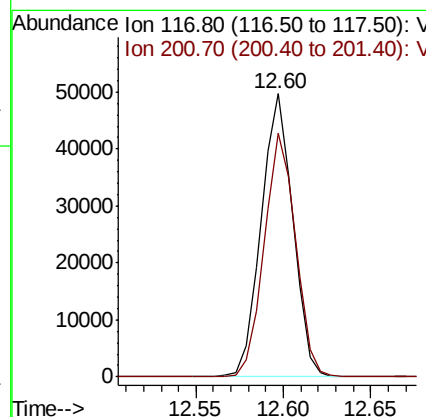
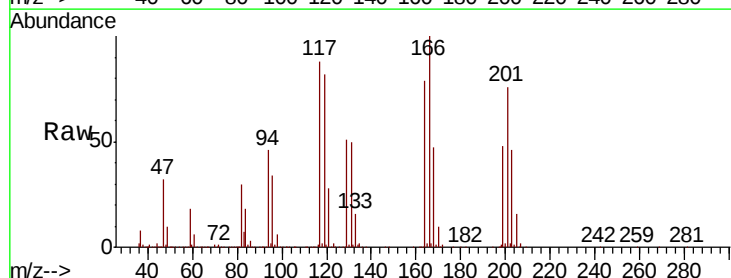
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD01

Tot Ion: 91 Resp: 400063
Ion Ratio Lower Upper
91 100
92 52.4 26.8 80.4
134 28.4 14.4 43.2



#90
Hexachloroethane
Concen: 18.804 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006722.D
Acq: 21 Dec 2018 14:36

Tgt Ion: 117 Resp: 62270
Ion Ratio Lower Upper
117 100
201 85.7 42.9 128.7





#91

1,2-Dichlorobenzene

Concen: 19.888 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

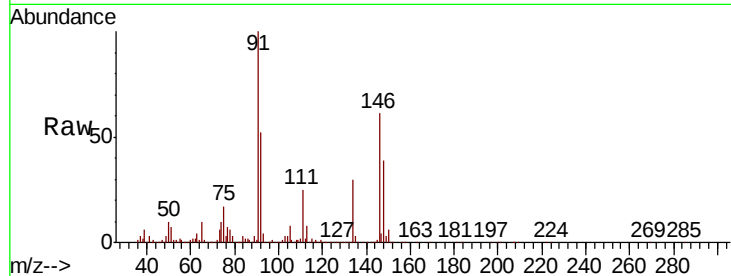
Tot Ion:146 Resp: 261444

Ion Ratio Lower Upper

146 100

111 38.8 19.4 58.2

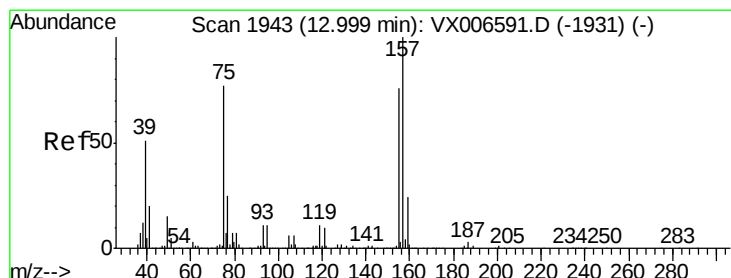
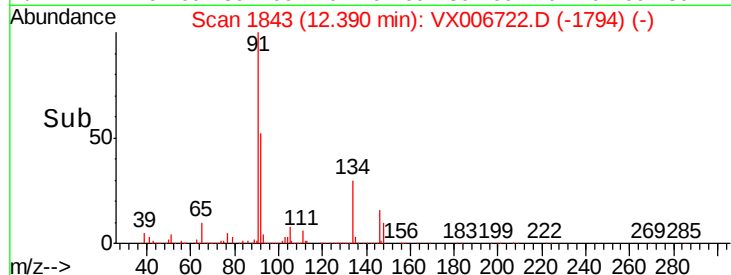
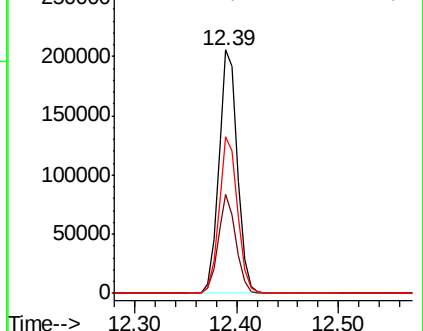
148 64.2 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.246 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

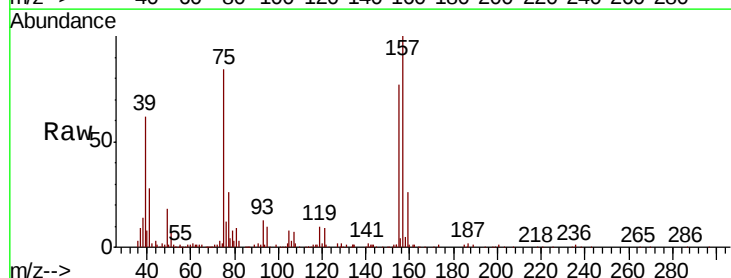
Tgt Ion: 75 Resp: 31941

Ion Ratio Lower Upper

75 100

155 99.4 50.6 151.8

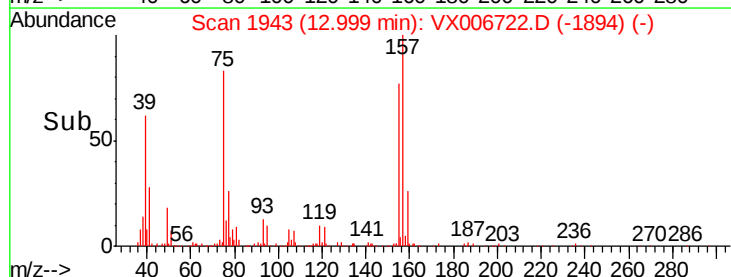
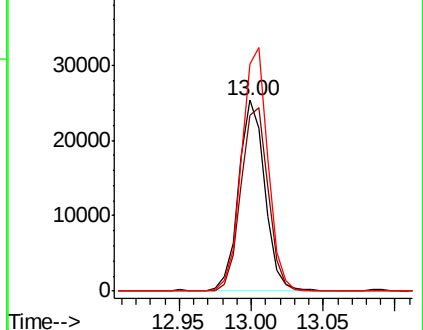
157 127.7 64.6 193.8

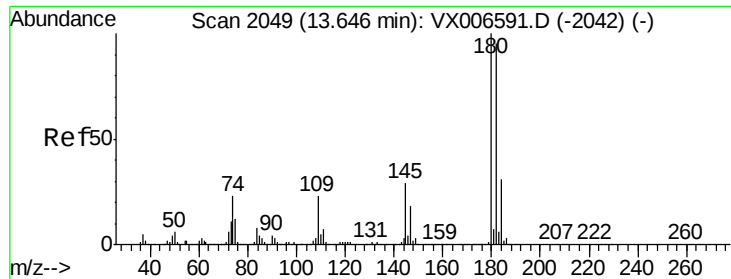


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

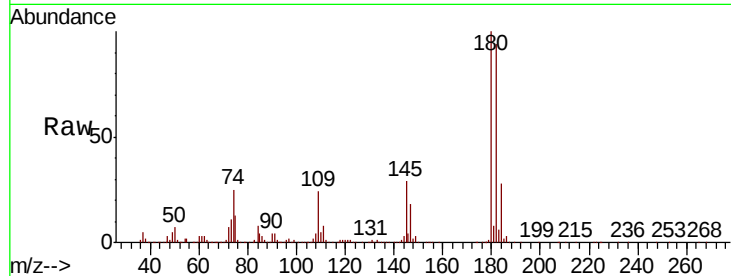




#93
 1,2,4-Trichlorobenzene
 Concen: 19.503 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006722.D
 Acq: 21 Dec 2018 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	142.0
145	30.2	14.8	44.3

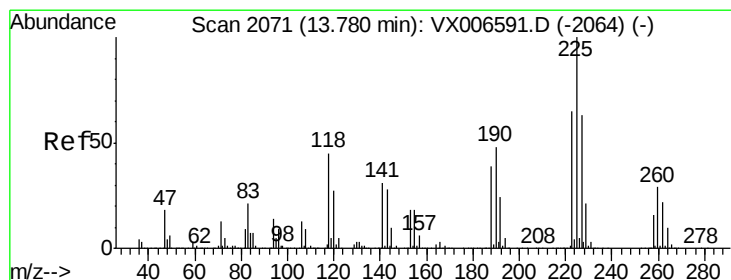
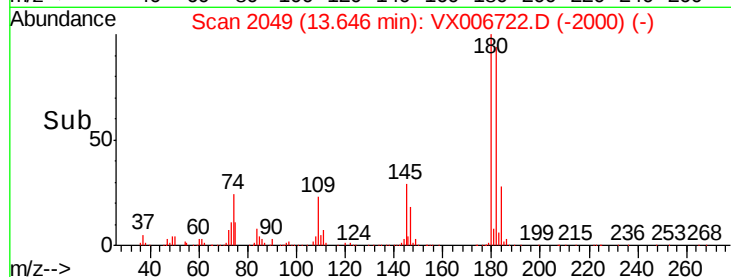
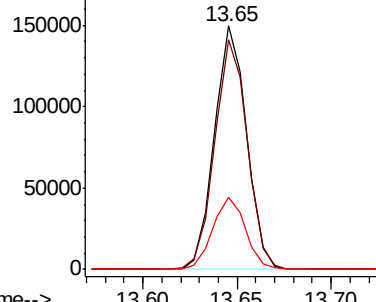


Abundance

Ion 179.80 (179.50 to 180.50): V

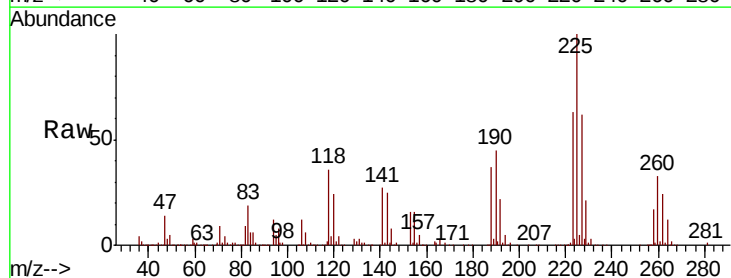
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.101 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VX006722.D
 Acq: 21 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	32.1	96.3
227	61.8	32.3	96.8

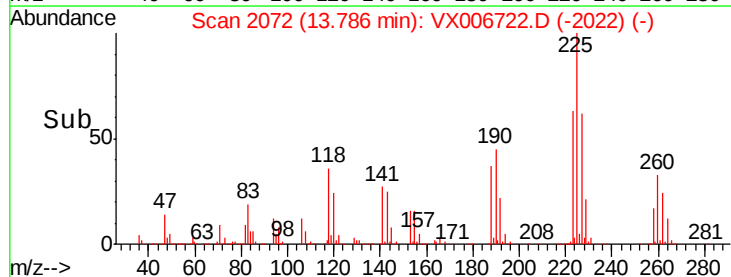
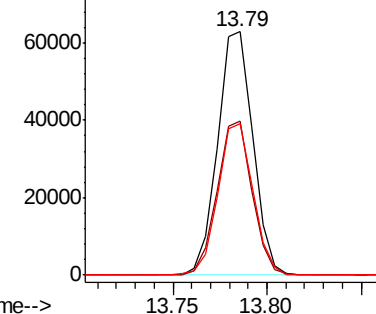


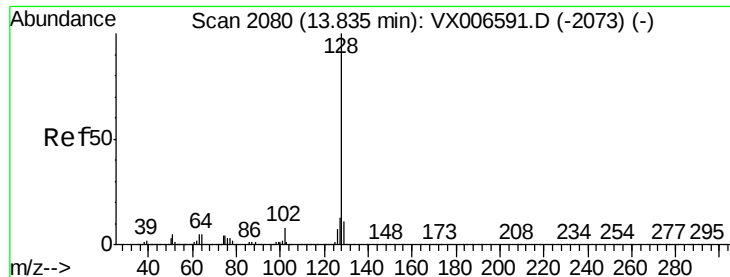
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.013 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD01

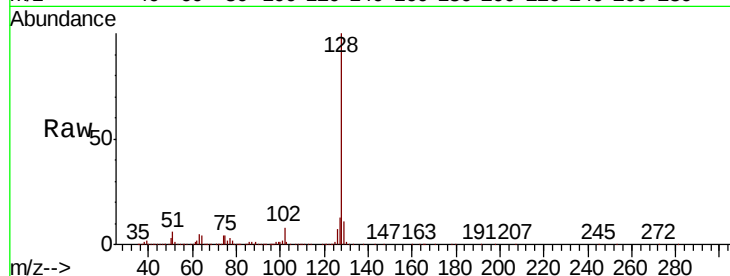
Tot Ion:128 Resp: 579214

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

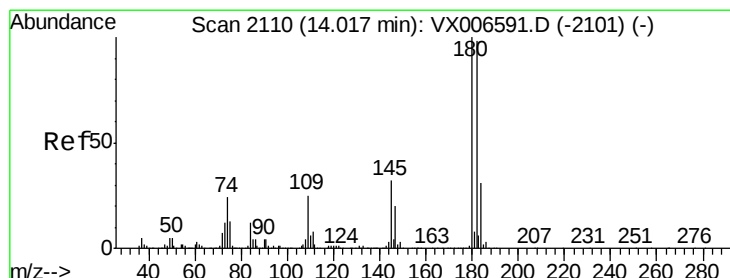
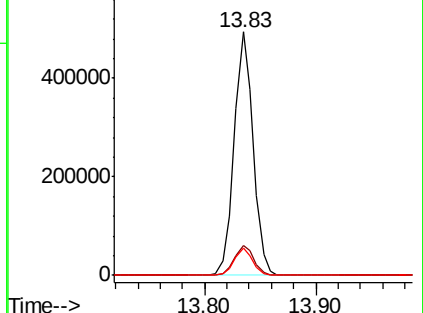
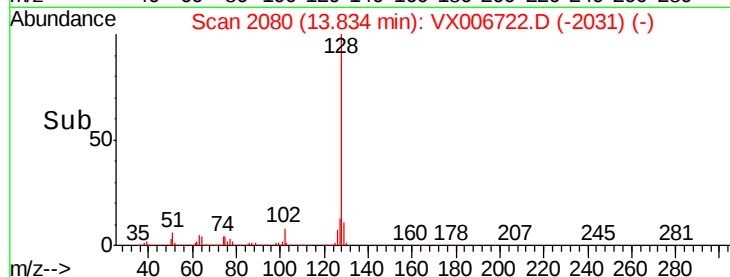
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.730 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.01 min

Lab File: VX006722.D

Acq: 21 Dec 2018 14:36

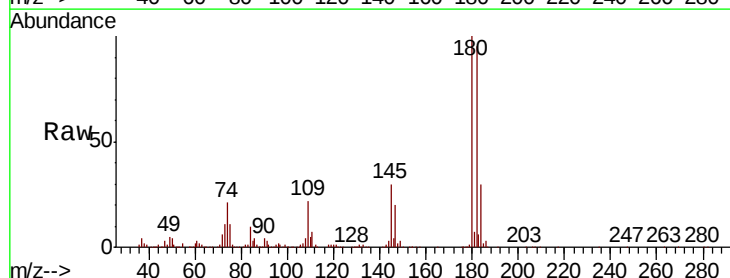
Tgt Ion:180 Resp: 184719

Ion Ratio Lower Upper

180 100

182 94.3 48.5 145.5

145 30.4 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

