

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072318\
 Data File : VX003640.D
 Acq On : 24 Jul 2018 08:29
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 24 09:21:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	258286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	365131	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	336733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	210807	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	149600	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
35) Dibromofluoromethane	5.51	113	144380	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	
50) Toluene-d8	8.72	98	529148	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	11.14	95	194669	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	92778	45.18	ug/l	100
3) Chloromethane	1.32	50	115421	45.30	ug/l	97
4) Vinyl Chloride	1.40	62	139346	42.47	ug/l	93
5) Bromomethane	1.64	94	64127	49.08	ug/l	98
6) Chloroethane	1.72	64	87346	44.99	ug/l	97
7) Trichlorofluoromethane	1.92	101	201335	45.99	ug/l	99
8) Diethyl Ether	2.19	74	85983	45.73	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	2.38	101	125373	43.76	ug/l	93
10) Methyl Iodide	2.51	142	187042	54.34	ug/l	91
11) Tert butyl alcohol	3.08	59	151900	251.08	ug/l	99
12) 1,1-Dichloroethene	2.37	96	120973	45.86	ug/l	83
13) Acrolein	2.29	56	19552	71.53	ug/l	98
14) Allyl chloride	2.73	41	177707	38.05	ug/l #	85
15) Acrylonitrile	3.15	53	357305	231.97	ug/l	98
16) Acetone	2.45	43	281209	243.50	ug/l #	87
17) Carbon Disulfide	2.57	76	298532	41.84	ug/l	98
18) Methyl Acetate	2.78	43	189448	52.04	ug/l #	89
19) Methyl tert-butyl Ether	3.21	73	416918	48.40	ug/l	100
20) Methylene Chloride	2.86	84	138980	49.20	ug/l	85
21) trans-1,2-Dichloroethene	3.16	96	132123	45.01	ug/l	90
22) Diisopropyl ether	3.87	45	407566	46.38	ug/l	96
23) Vinyl Acetate	3.83	43	1551329	214.32	ug/l #	92
24) 1,1-Dichloroethane	3.70	63	241748	46.89	ug/l	98
25) 2-Butanone	4.71	43	471280	243.22	ug/l #	89
26) 2,2-Dichloropropane	4.59	77	69933	17.86	ug/l	83
27) cis-1,2-Dichloroethene	4.60	96	154893	47.39	ug/l	90
28) Bromochloromethane	5.02	49	102947	45.68	ug/l #	75
29) Tetrahydrofuran	5.17	42	306383	239.36	ug/l #	87
30) Chloroform	5.22	83	249084	49.48	ug/l	98
31) Cyclohexane	5.57	56	202943	44.05	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	215846	50.07	ug/l	96
36) 1,1-Dichloropropene	5.80	75	178976	45.40	ug/l	96
37) Ethyl Acetate	4.87	43	177484	47.58	ug/l #	93
38) Carbon Tetrachloride	5.78	117	195674	50.60	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	208628	44.68	ug/l	93
40) Benzene	6.15	78	570420	47.92	ug/l	98
41) Methacrylonitrile	5.07	41	102937	46.95	ug/l #	89
42) 1,2-Dichloroethane	6.20	62	181685	48.45	ug/l	93
43) Isopropyl Acetate	6.47	43	286359	48.26	ug/l #	91
44) Trichloroethene	7.22	130	178750	50.36	ug/l	95
45) 1,2-Dichloropropane	7.52	63	145999	48.31	ug/l	100
46) Dibromomethane	7.67	93	98753	50.75	ug/l	91
47) Bromodichloromethane	7.90	83	183323	51.47	ug/l	98
48) Methyl methacrylate	7.78	41	147763	49.38	ug/l #	81
49) 1,4-Dioxane	7.76	88	72550	1069.99	ug/l #	90
51) 4-Methyl-2-Pentanone	8.65	43	952078	253.96	ug/l	89
52) Toluene	8.79	92	372497	49.72	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	197516	45.05	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	176513	44.77	ug/l #	86
55) 1,1,2-Trichloroethane	9.22	97	153211	51.39	ug/l	97
56) Ethyl methacrylate	9.18	69	216093	51.46	ug/l #	78
57) 1,3-Dichloropropane	9.37	76	243069	50.44	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	484061	237.07	ug/l	93
59) 2-Hexanone	9.50	43	711523	256.16	ug/l	86
60) Dibromochloromethane	9.59	129	162530	55.08	ug/l	100
61) 1,2-Dibromoethane	9.68	107	159494	51.61	ug/l	99
64) Tetrachloroethene	9.34	164	218828	53.34	ug/l	98
65) Chlorobenzene	10.14	112	432533	49.85	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	160125	53.64	ug/l	99
67) Ethyl Benzene	10.26	91	700110	50.19	ug/l	99
68) m/p-Xylenes	10.36	106	559231	102.26	ug/l	94
69) o-Xylene	10.70	106	272968	51.62	ug/l	93
70) Styrene	10.71	104	462079	53.12	ug/l	96
71) Bromoform	10.86	173	133097	57.39	ug/l	99
73) Isopropylbenzene	11.02	105	726195	49.81	ug/l	99
74) N-amyl acetate	6.47	43	286359	46.26	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.27	83	213281	49.92	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	230245	60.80	ug/l	80
77) Bromobenzene	11.26	156	209251	49.90	ug/l	93
78) n-propylbenzene	11.37	91	798613	49.28	ug/l	97
79) 2-Chlorotoluene	11.43	91	479073	48.69	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	602587	50.29	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	44496	34.16	ug/l	88
82) 4-Chlorotoluene	11.51	91	559930	48.57	ug/l	96
83) tert-Butylbenzene	11.77	119	588515	50.15	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	619747	50.83	ug/l	97
85) sec-Butylbenzene	11.95	105	709057	49.75	ug/l	99
86) p-Isopropyltoluene	12.07	119	649506	50.78	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	375872	48.76	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	377478	47.54	ug/l	98
89) n-Butylbenzene	12.39	91	508802	46.85	ug/l	98
90) Hexachloroethane	12.60	117	91271	50.20	ug/l	90
91) 1,2-Dichlorobenzene	12.40	146	381388	50.20	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	43832	52.72	ug/l	79

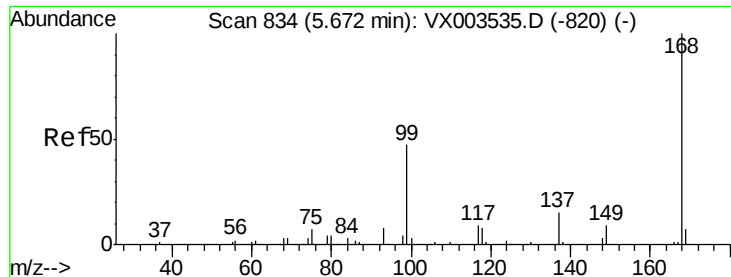
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	275622	49.50	ug/l	99
94) Hexachlorobutadiene	13.79	225	129013	48.18	ug/l	99
95) Naphthalene	13.83	128	793805	54.26	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	285621	51.82	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

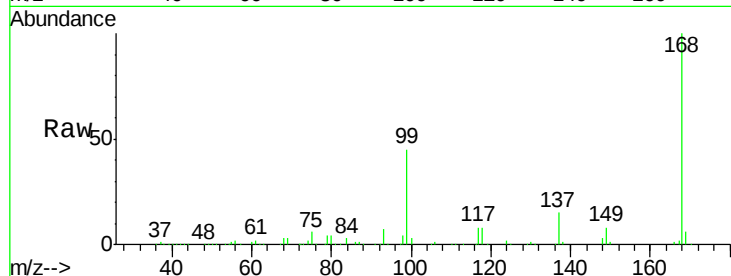
ClientSampleId :

Tot Ion:168 Resp: 258286

Ion Ratio Lower Upper

168 100

99 45.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

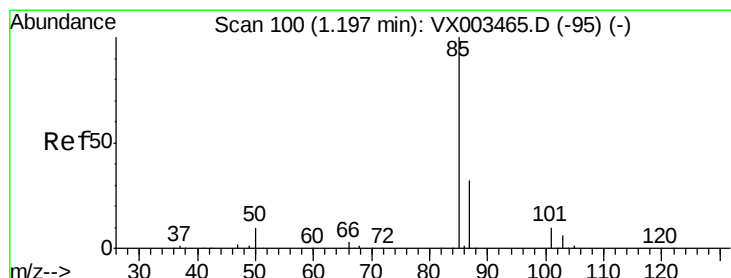
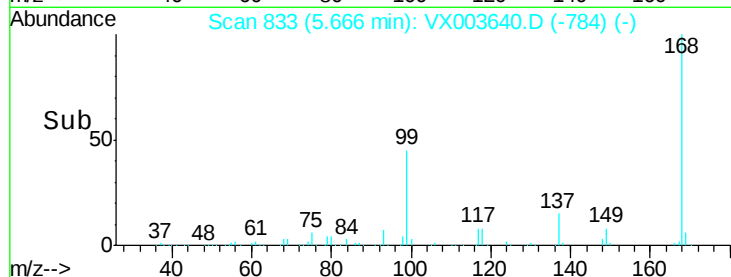
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 45.18 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003640.D

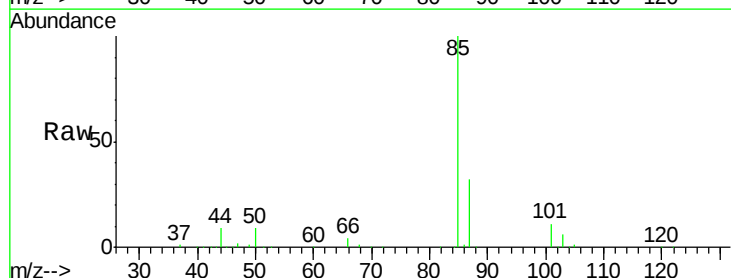
Acq: 24 Jul 2018 08:29

Tgt Ion: 85 Resp: 92778

Ion Ratio Lower Upper

85 100

87 32.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

60000

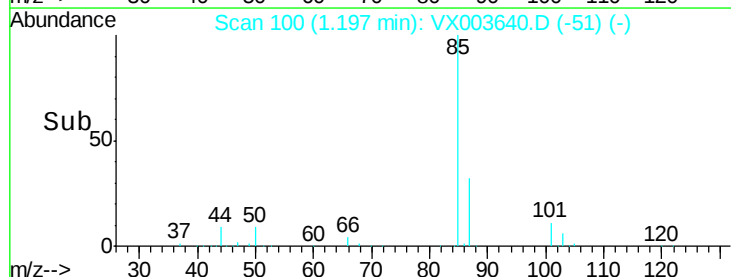
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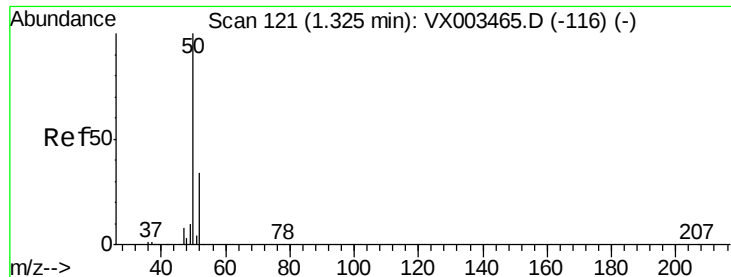
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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 45.30 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

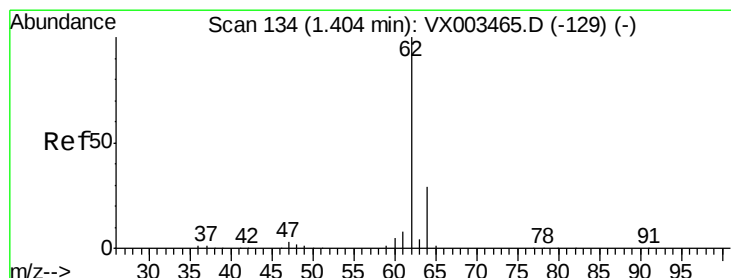
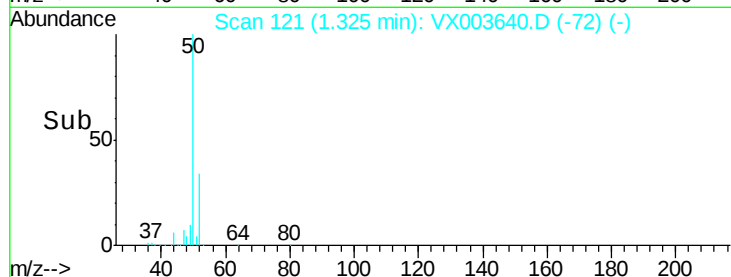
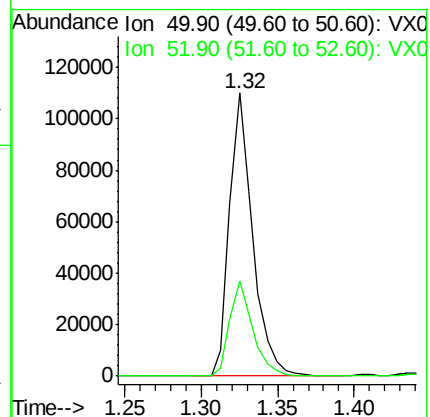
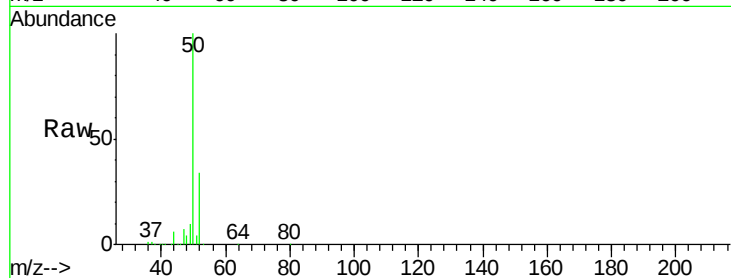
ClientSampleId :

Tot Ion: 50 Resp: 115421

Ion Ratio Lower Upper

50 100

52 33.7 25.7 38.5



#4

Vinyl Chloride

Concen: 42.47 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003640.D

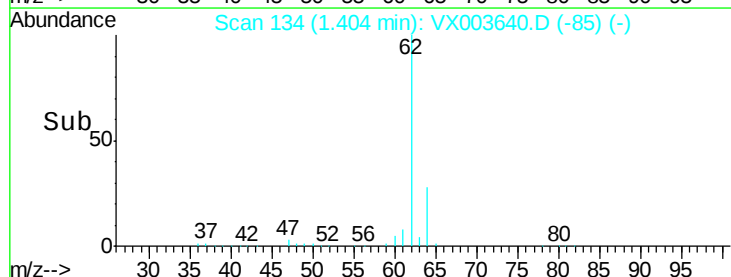
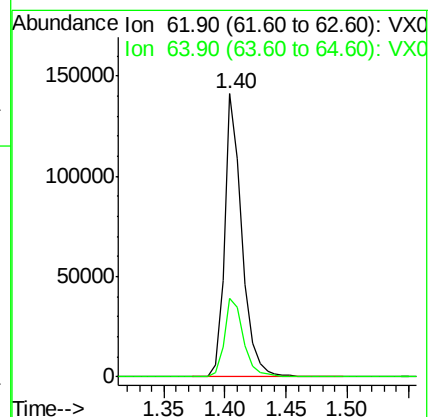
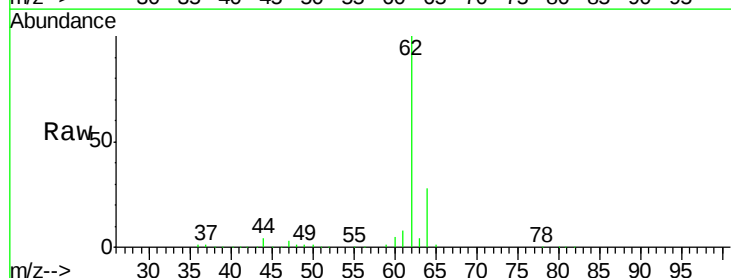
Acq: 24 Jul 2018 08:29

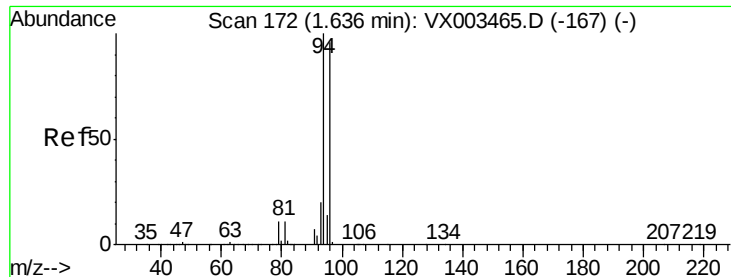
Tgt Ion: 62 Resp: 139346

Ion Ratio Lower Upper

62 100

64 27.8 25.4 38.2





#5

Bromomethane

Concen: 49.08 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

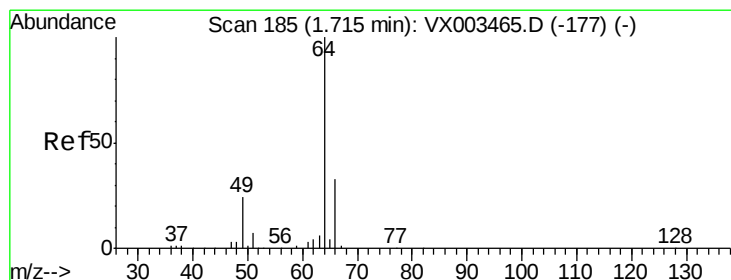
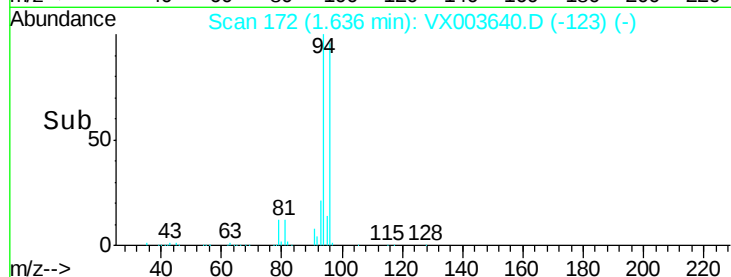
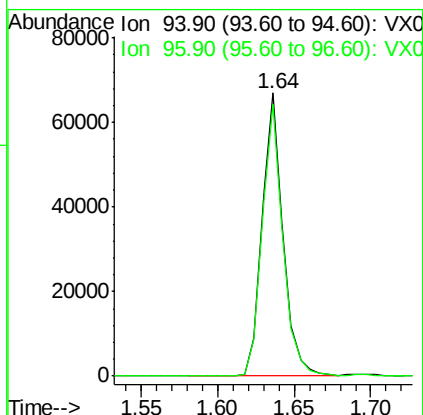
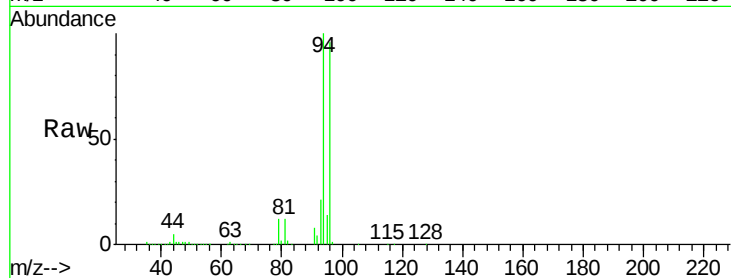
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 64127

Ion Ratio Lower Upper

94 100

96 95.8 74.9 112.3



#6

Chloroethane

Concen: 44.99 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003640.D

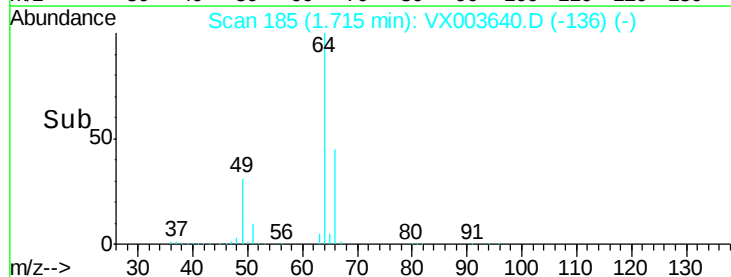
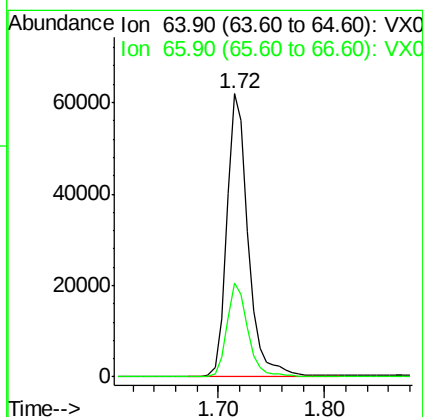
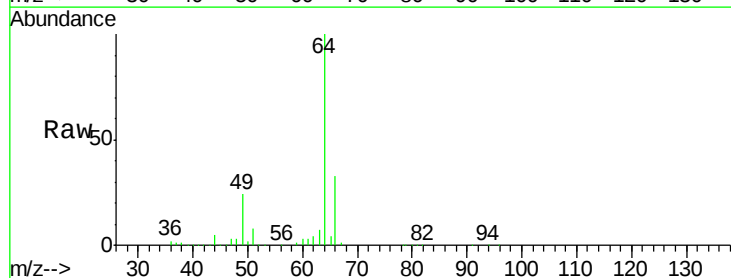
Acq: 24 Jul 2018 08:29

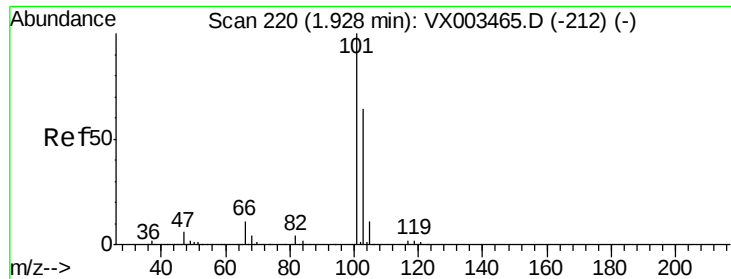
Tgt Ion: 64 Resp: 87346

Ion Ratio Lower Upper

64 100

66 33.4 25.5 38.3



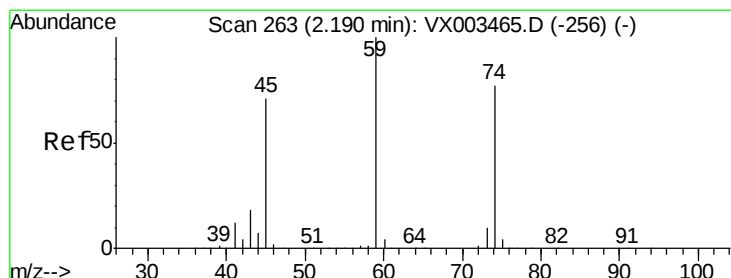
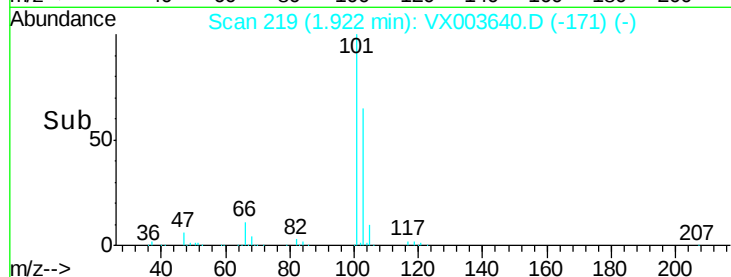
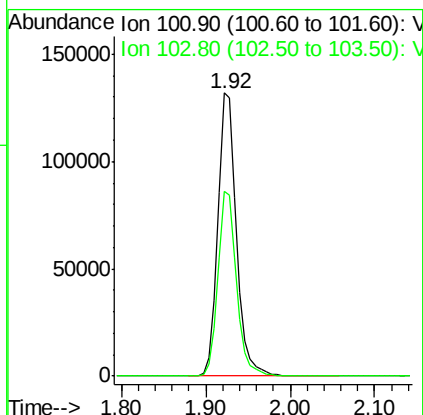
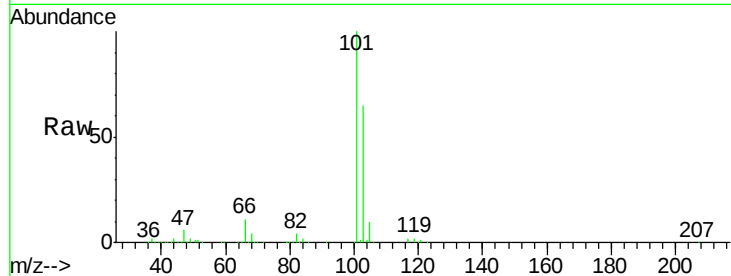


#7

Trichlorofluoromethane
 Concen: 45.99 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Instrument :
 MSVOA_X
 ClientSampleId :

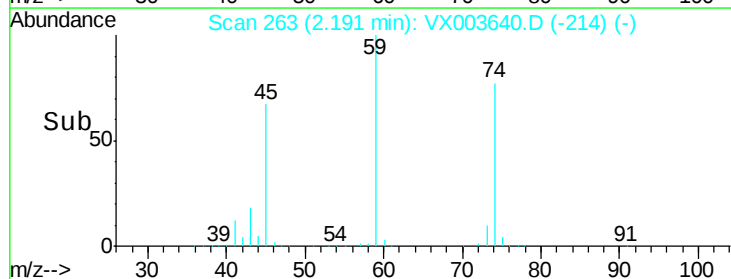
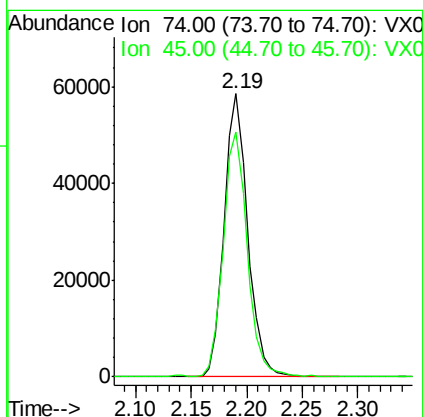
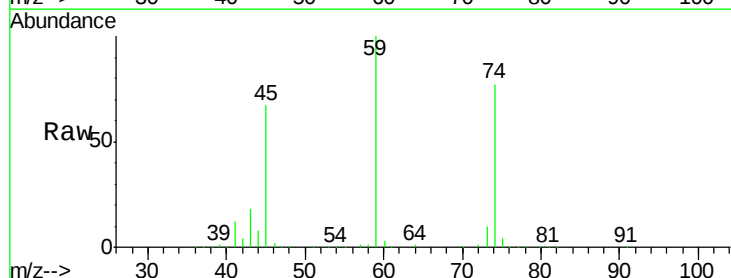
Tot Ion:101 Resp: 201335
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.8 79.2

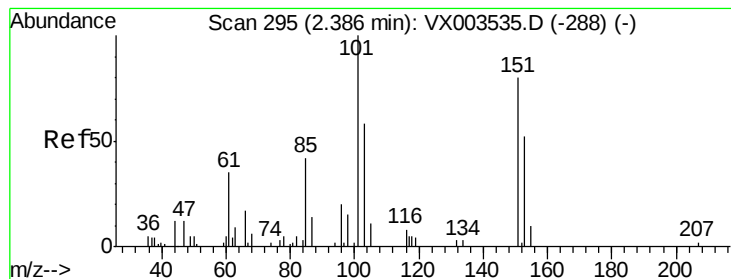


#8

Diethyl Ether
 Concen: 45.73 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Tgt Ion: 74 Resp: 85983
 Ion Ratio Lower Upper
 74 100
 45 87.1 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.76 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

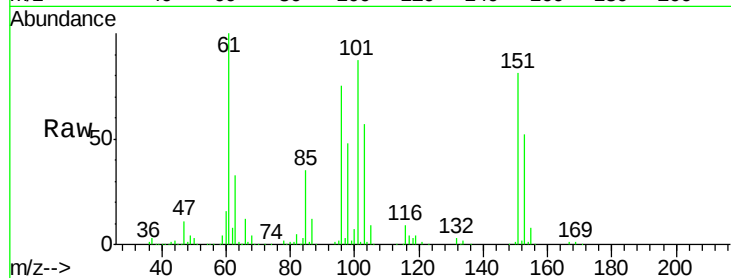
Tot Ion:101 Resp: 125373

Ion Ratio Lower Upper

101 100

85 40.8 36.0 54.0

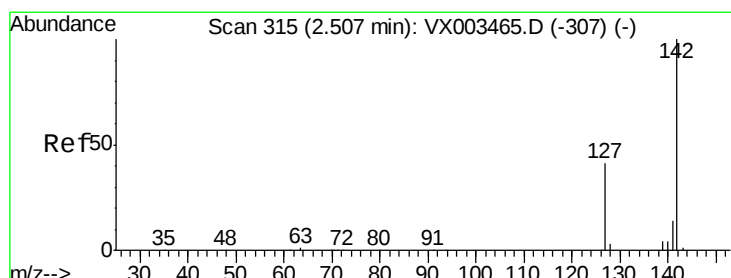
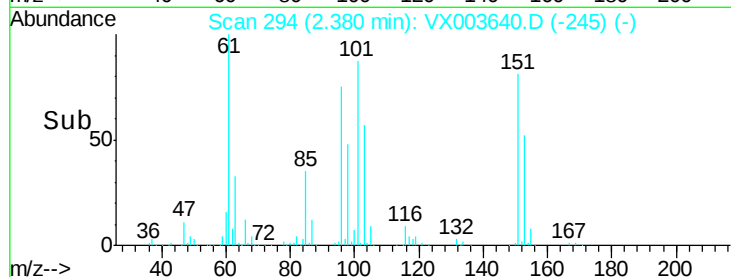
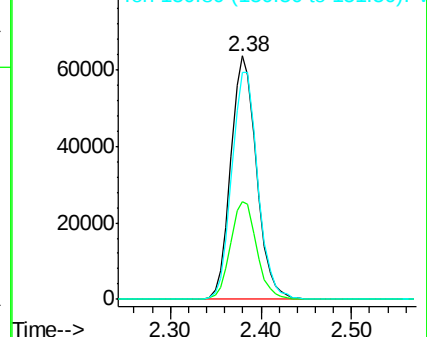
151 94.7 70.9 106.3



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: 54.34 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

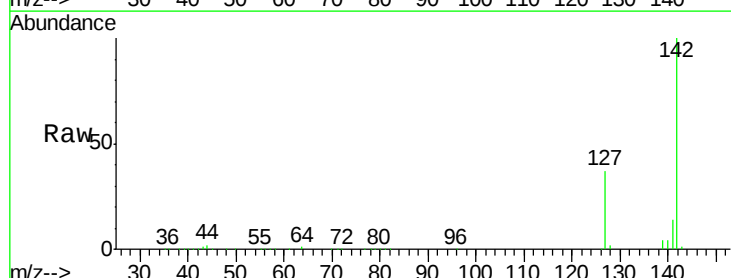
Tgt Ion:142 Resp: 187042

Ion Ratio Lower Upper

142 100

127 38.2 36.6 55.0

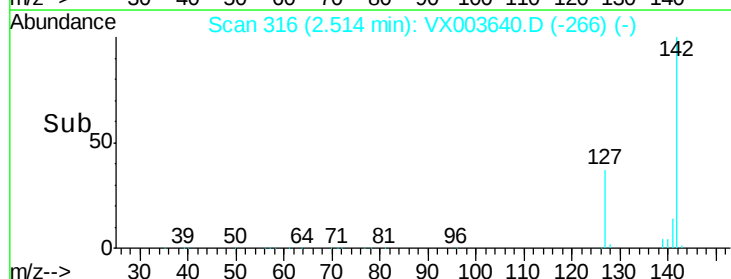
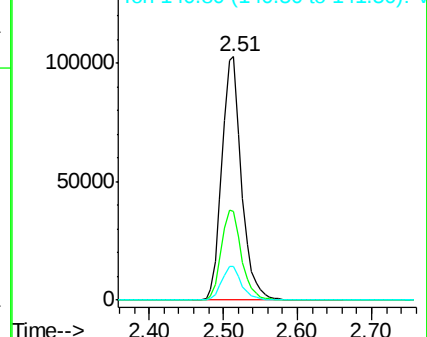
141 14.0 11.3 16.9

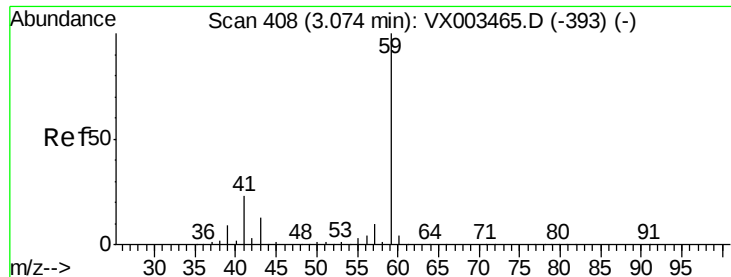


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

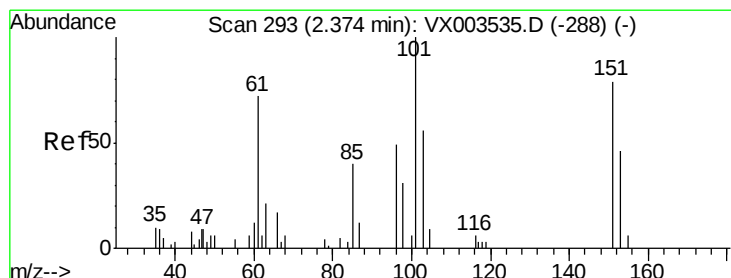
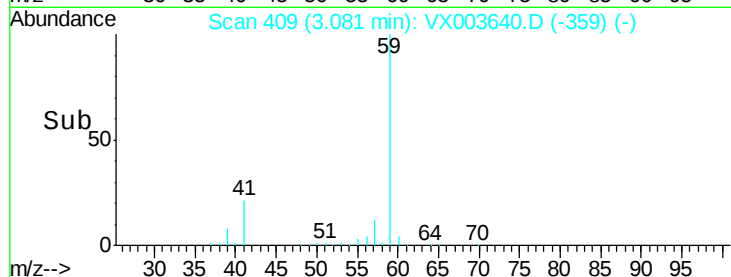
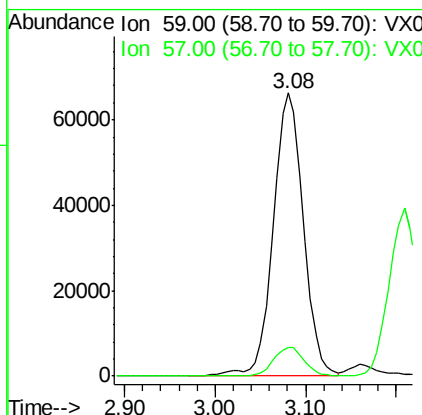
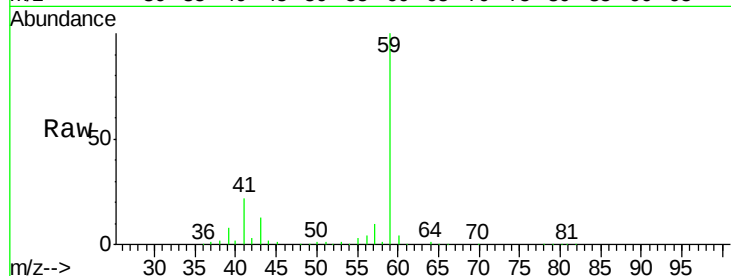




#11
Tert butyl alcohol
Concen: 251.08 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

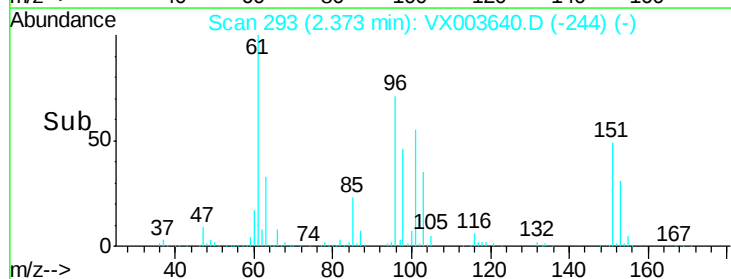
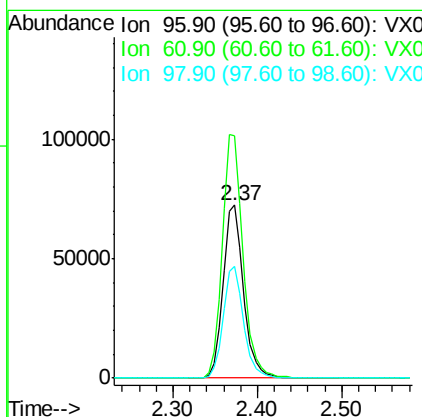
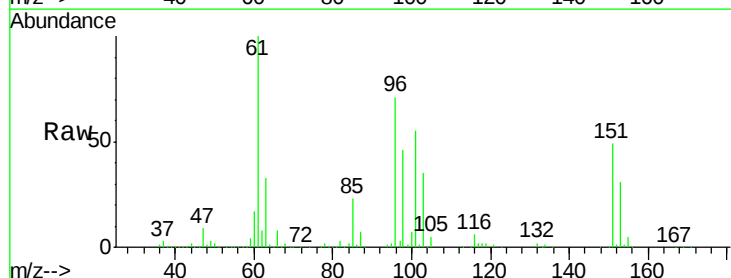
Instrument :
MSVOA_X
ClientSampleId :

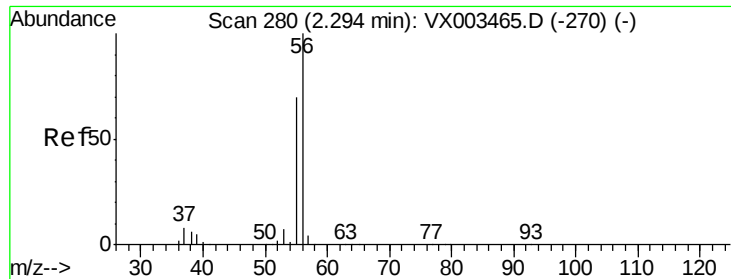
Tot Ion: 59 Resp: 151900
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2



#12
1,1-Dichloroethene
Concen: 45.86 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion: 96 Resp: 120973
Ion Ratio Lower Upper
96 100
61 140.3 137.9 206.9
98 64.6 51.6 77.4





#13

Acrolein

Concen: 71.53 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

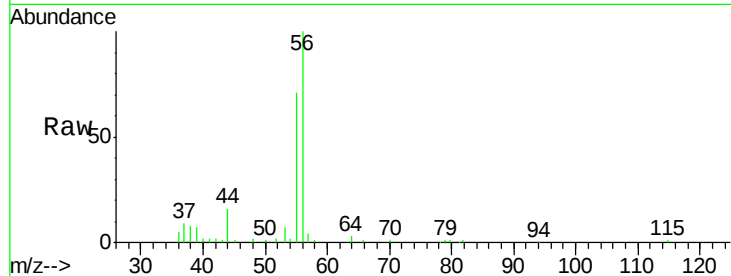
ClientSampleId :

Tot Ion: 56 Resp: 19552

Ion Ratio Lower Upper

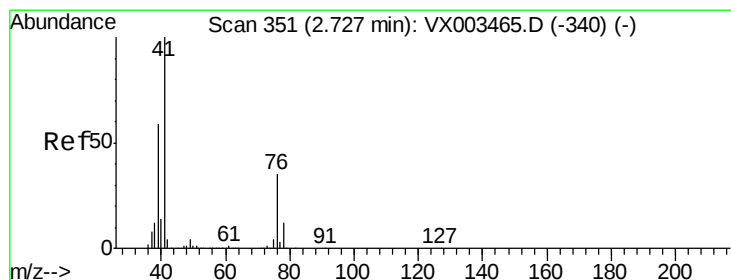
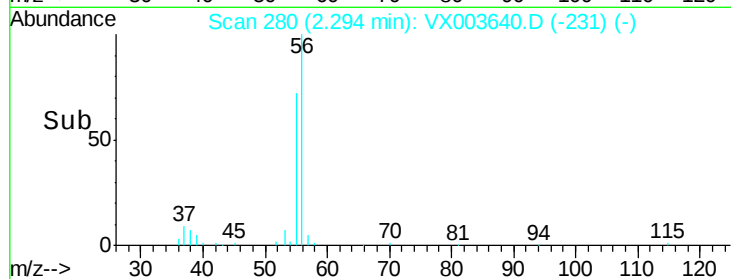
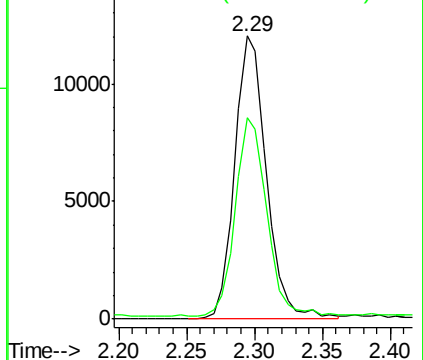
56 100

55 69.7 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 38.05 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

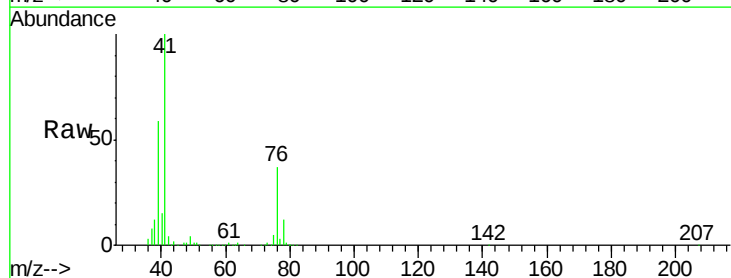
Tgt Ion: 41 Resp: 177707

Ion Ratio Lower Upper

41 100

39 57.8 56.8 85.2

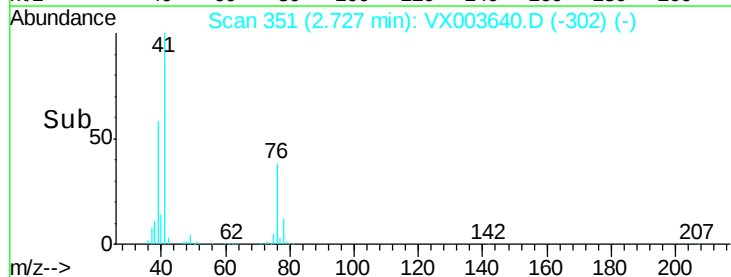
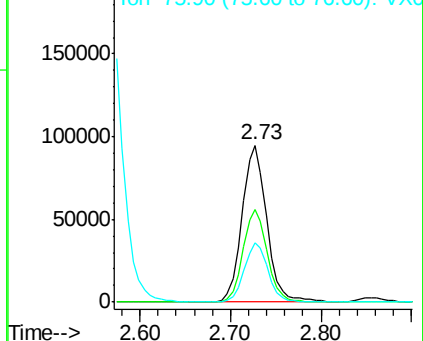
76 36.0 23.8 35.8#

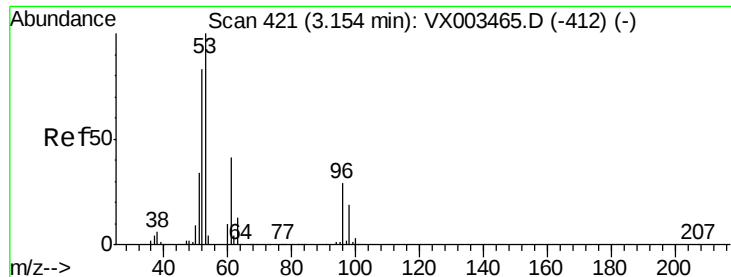


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 231.97 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

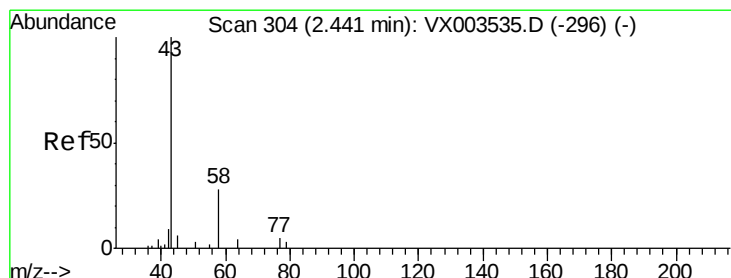
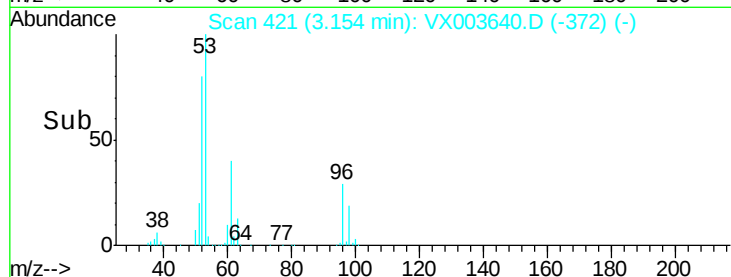
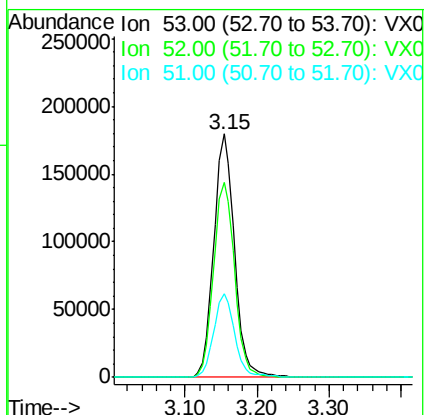
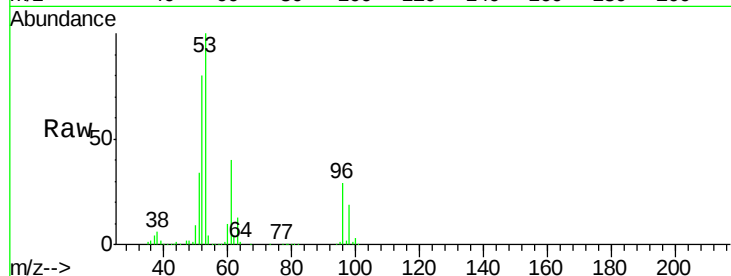
Tot Ion: 53 Resp: 357305

Ion Ratio Lower Upper

53 100

52 81.9 66.7 100.1

51 34.8 29.9 44.9



#16

Acetone

Concen: 243.50 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003640.D

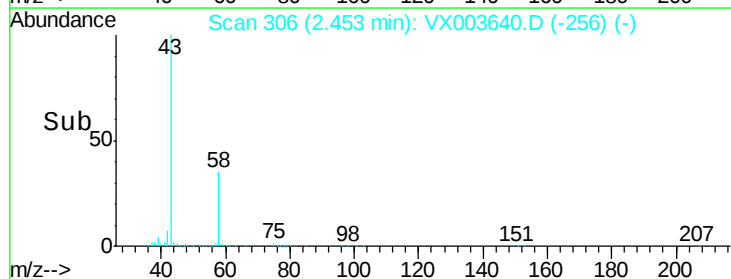
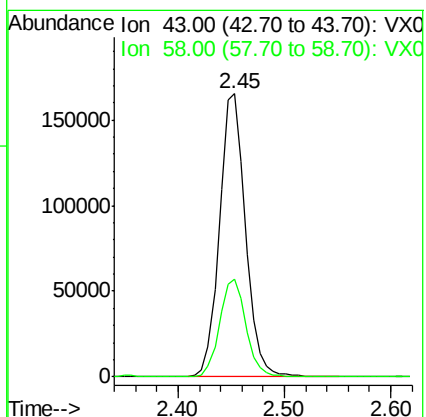
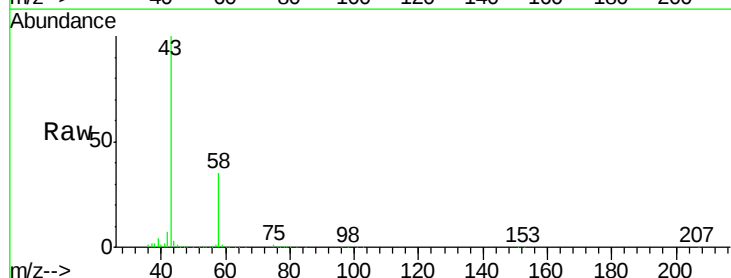
Acq: 24 Jul 2018 08:29

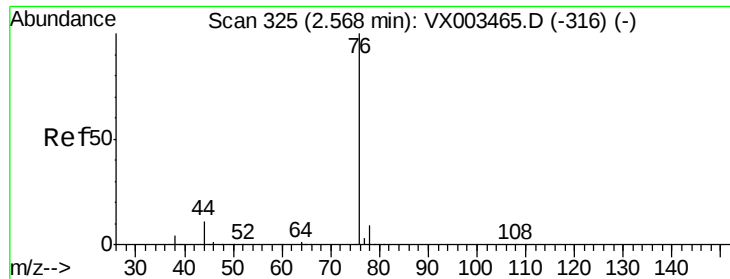
Tgt Ion: 43 Resp: 281209

Ion Ratio Lower Upper

43 100

58 34.6 22.1 33.1#

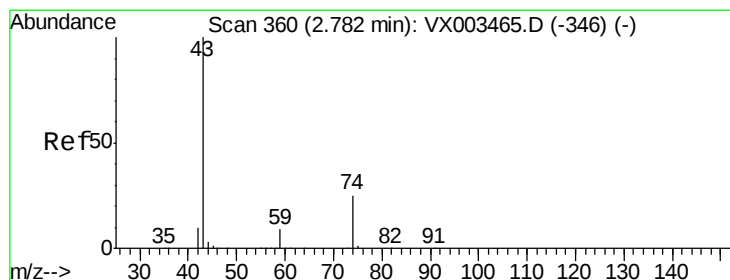
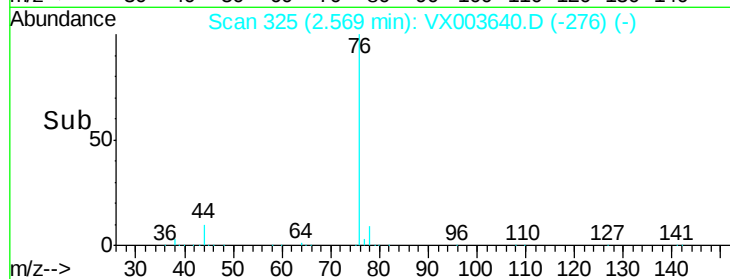
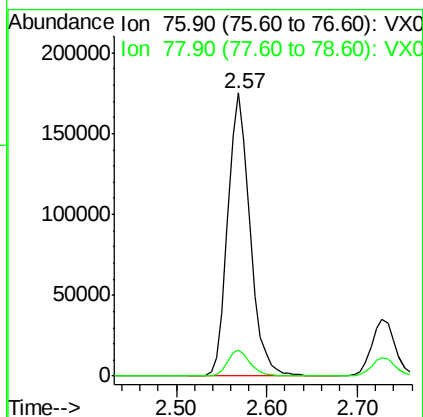
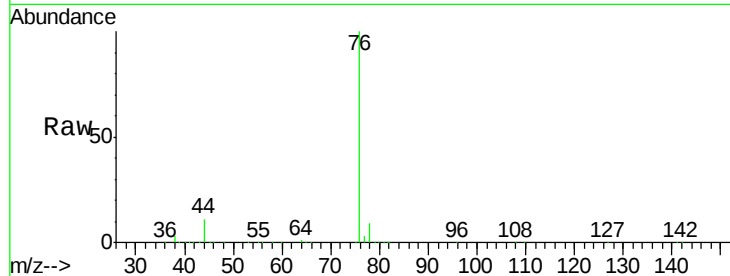




#17
Carbon Disulfide
Concen: 41.84 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

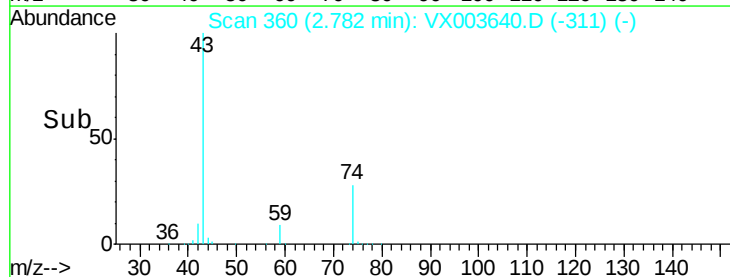
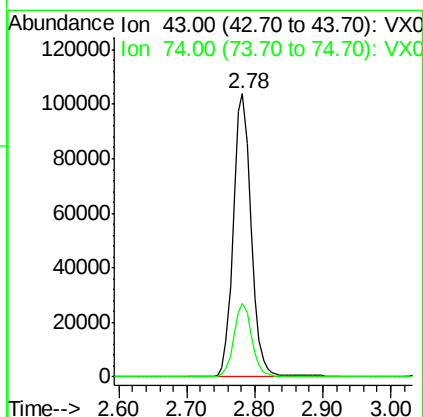
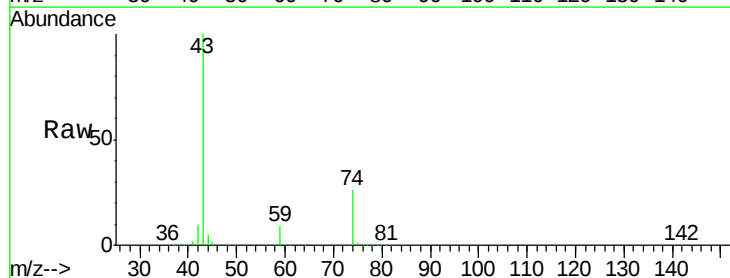
Instrument :
MSVOA_X
ClientSampleId :

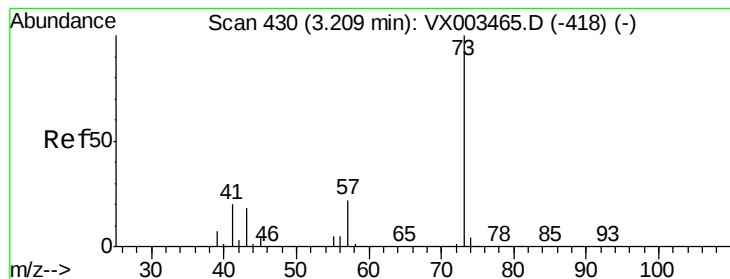
Tot Ion: 76 Resp: 298532
Ion Ratio Lower Upper
76 100
78 9.3 6.9 10.3



#18
Methyl Acetate
Concen: 52.04 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion: 43 Resp: 189448
Ion Ratio Lower Upper
43 100
74 26.2 16.7 25.1#



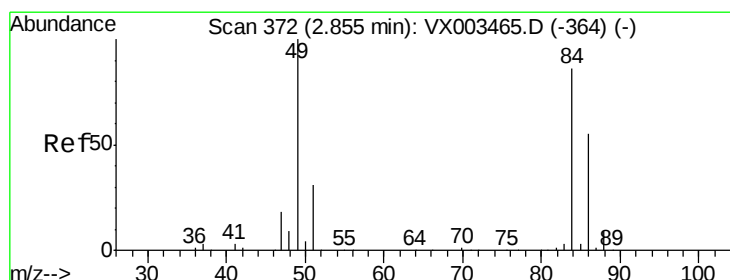
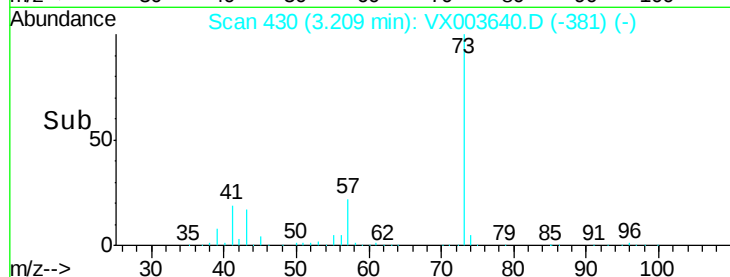
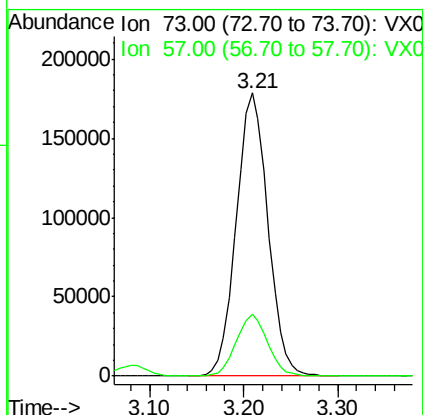
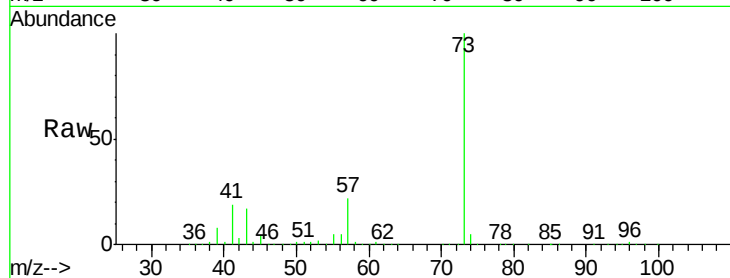


#19

Methyl tert-butyl Ether
 Concen: 48.40 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Instrument :
 MSVOA_X
 ClientSampleId :

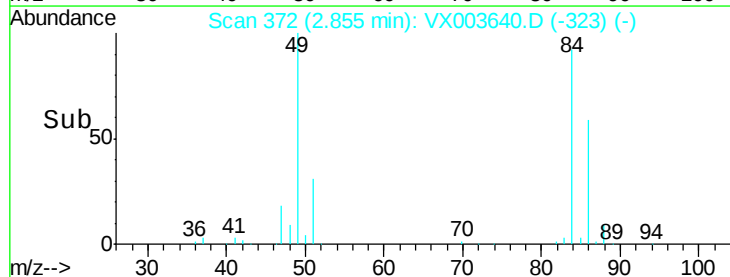
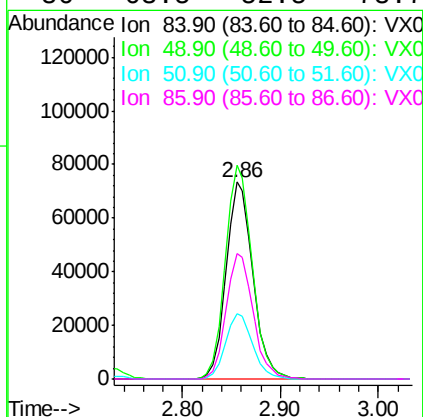
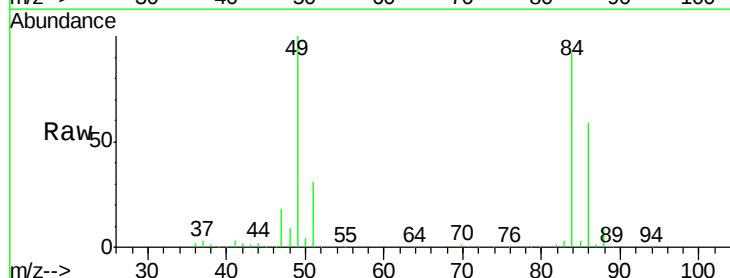
Tot Ion: 73 Resp: 416918
 Ion Ratio Lower Upper
 73 100
 57 22.0 17.7 26.5

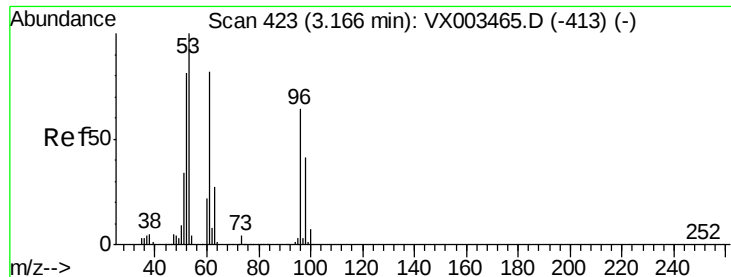


#20

Methylene Chloride
 Concen: 49.20 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Tgt Ion: 84 Resp: 138980
 Ion Ratio Lower Upper
 84 100
 49 108.5 107.8 161.6
 51 33.5 32.8 49.2
 86 63.5 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 45.01 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :
MSVOA_X
ClientSampled :

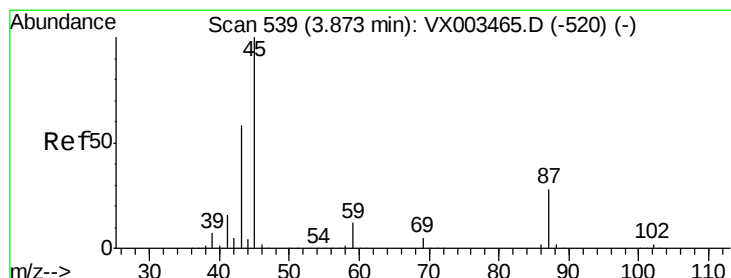
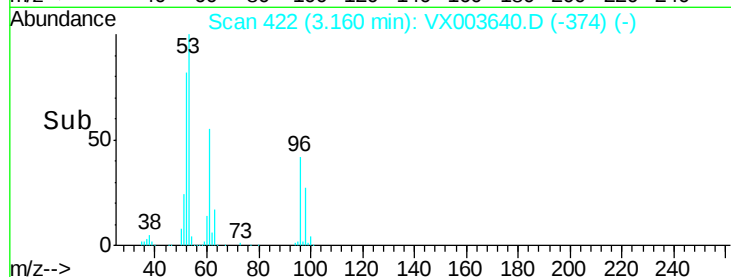
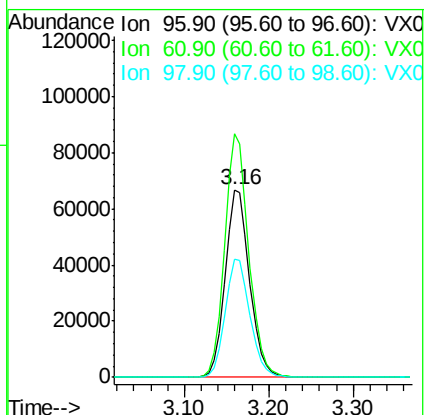
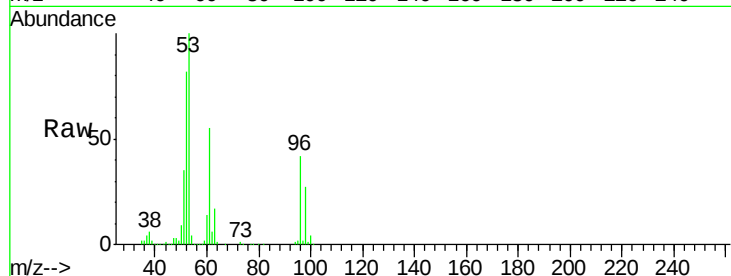
Tot Ion: 96 Resp: 132123

Ion Ratio Lower Upper

96 100

61 129.7 117.0 175.4

98 63.0 52.4 78.6



#22

Diisopropyl ether

Concen: 46.38 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Tgt Ion: 45 Resp: 407566

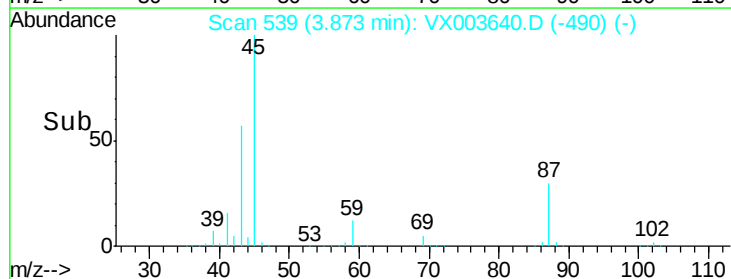
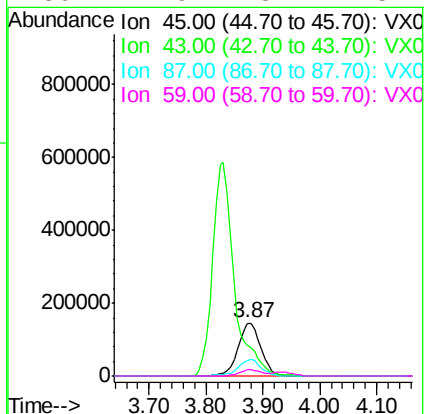
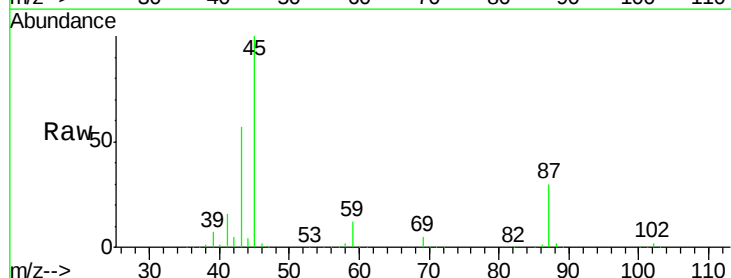
Ion Ratio Lower Upper

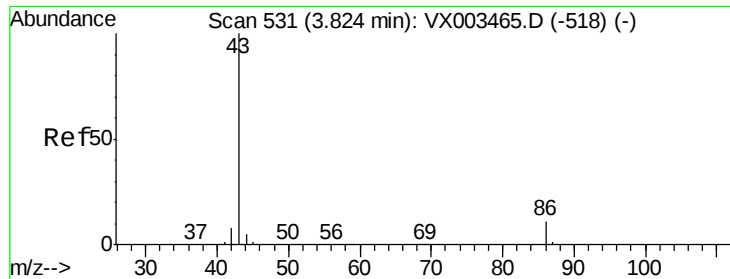
45 100

43 57.2 46.8 70.2

87 30.1 20.2 30.4

59 11.9 8.7 13.1





#23

Vinyl Acetate

Concen: 214.32 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

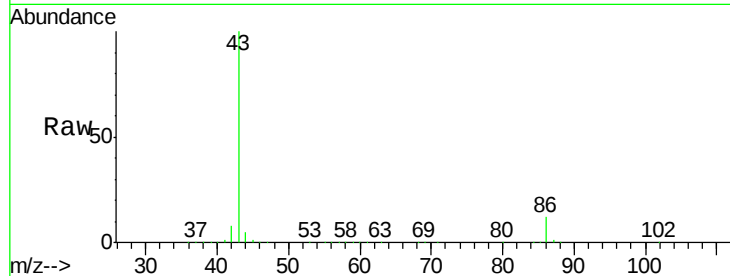
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1551329

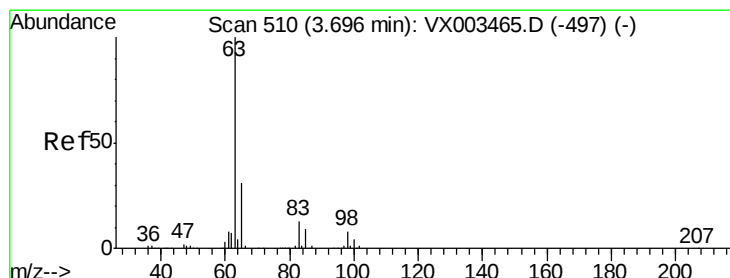
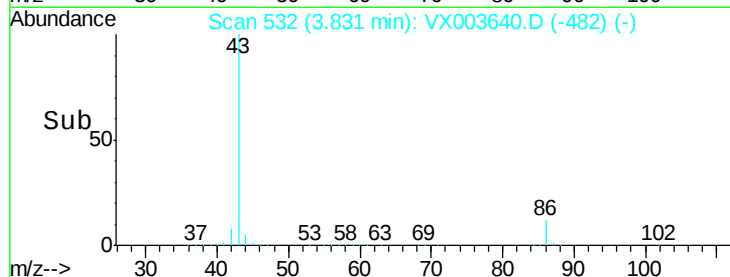
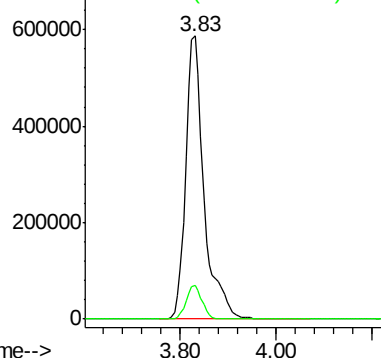
Ion Ratio Lower Upper

43 100

86 12.1 7.4 11.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 46.89 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

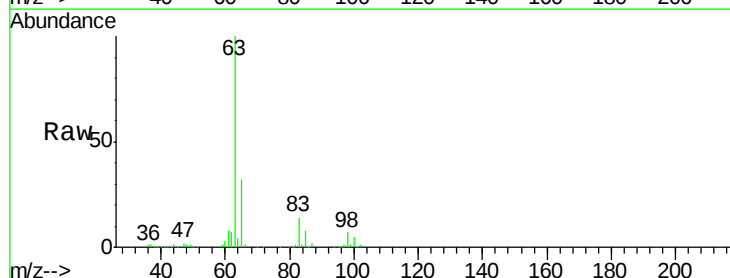
Tgt Ion: 63 Resp: 241748

Ion Ratio Lower Upper

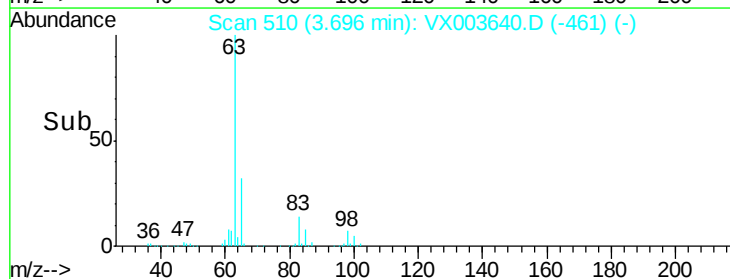
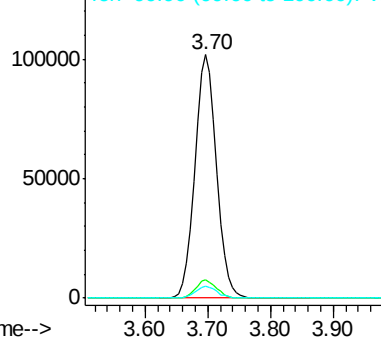
63 100

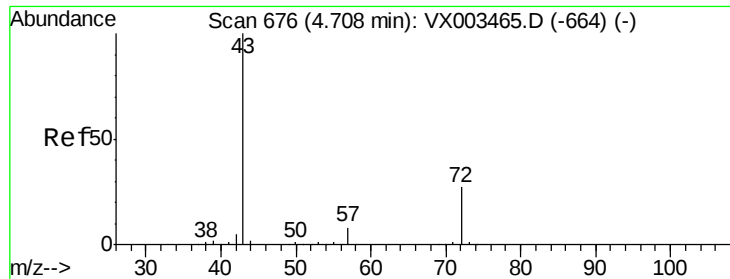
98 7.5 3.4 10.2

100 4.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 243.22 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

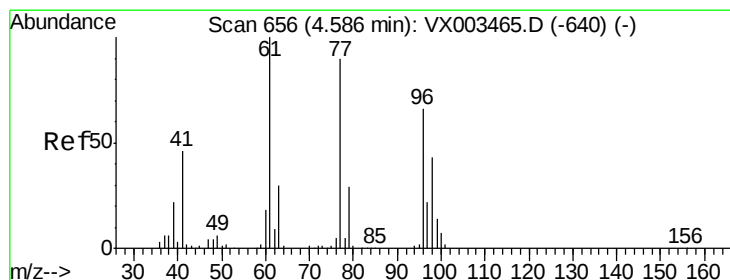
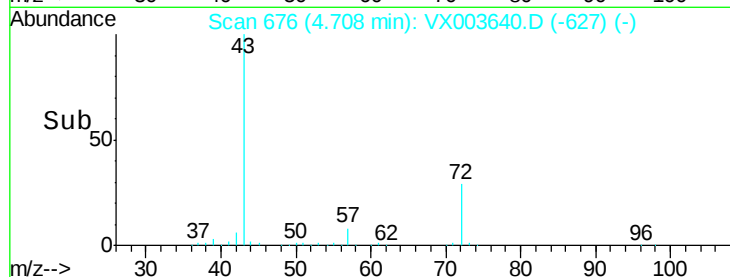
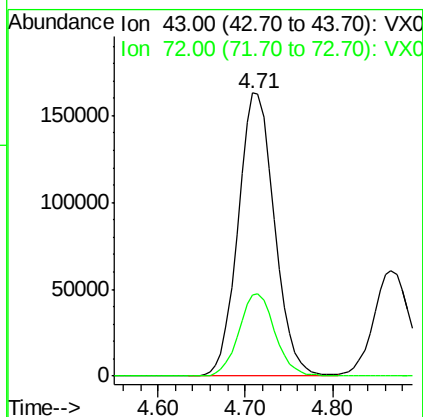
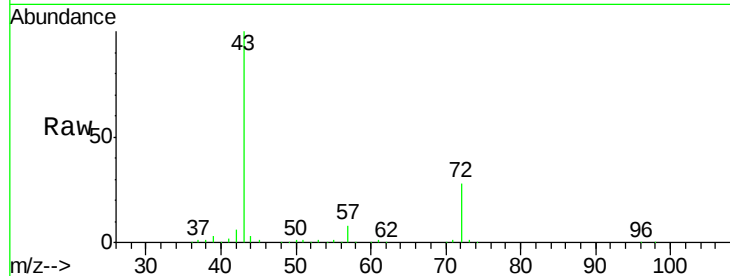
ClientSampleId :

Tot Ion: 43 Resp: 471280

Ion Ratio Lower Upper

43 100

72 28.5 18.5 27.7#



#26

2,2-Dichloropropane

Concen: 17.86 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003640.D

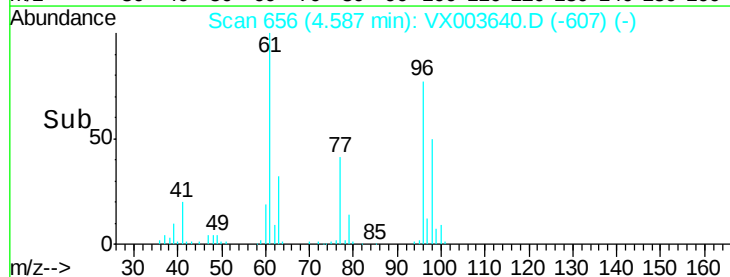
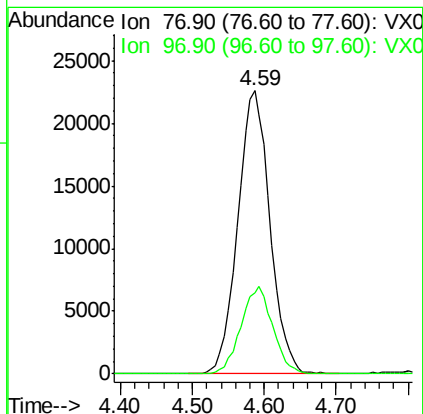
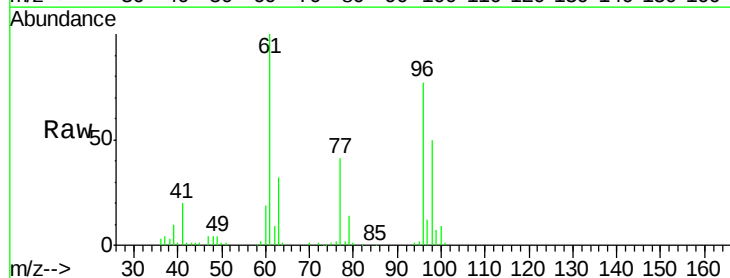
Acq: 24 Jul 2018 08:29

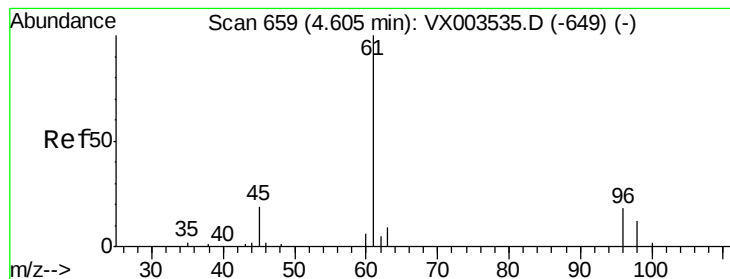
Tgt Ion: 77 Resp: 69933

Ion Ratio Lower Upper

77 100

97 30.5 11.2 33.5



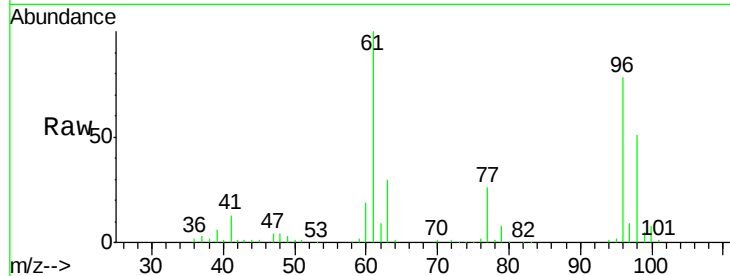


#27

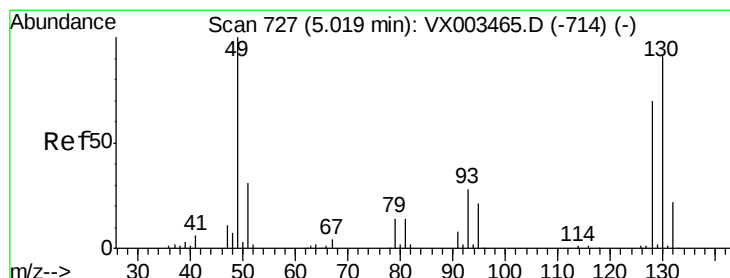
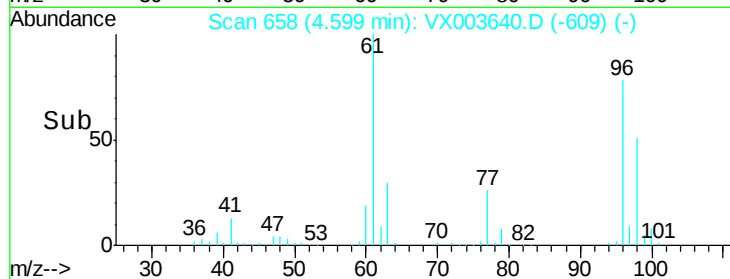
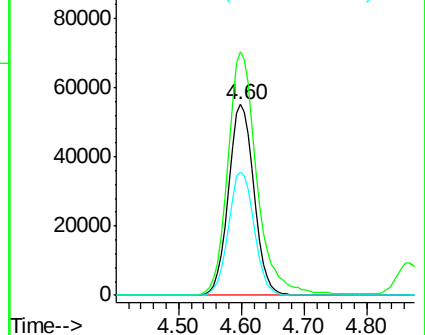
cis-1,2-Dichloroethene
Concen: 47.39 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	96	Resp	154893
Ion	Ratio	Lower	Upper
96	100		
61	146.2	0.0	330.2
98	65.3	0.0	130.2



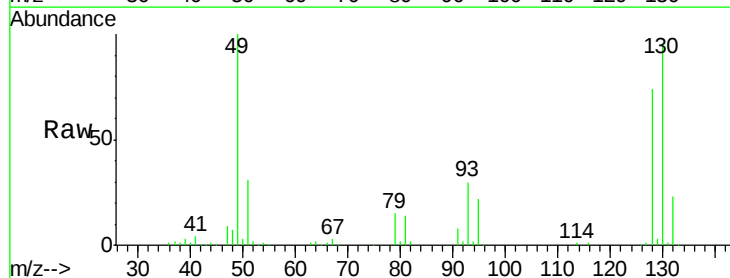
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



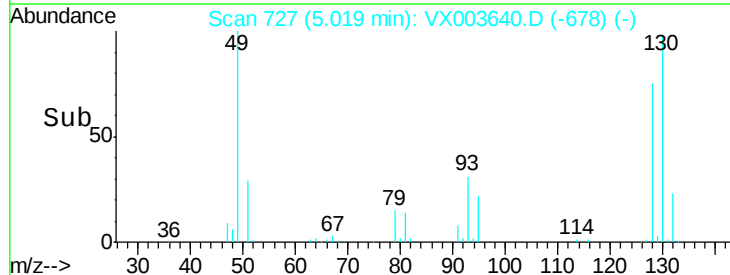
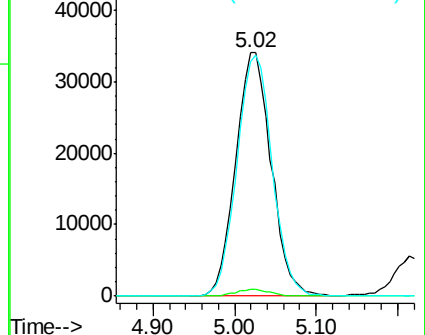
#28

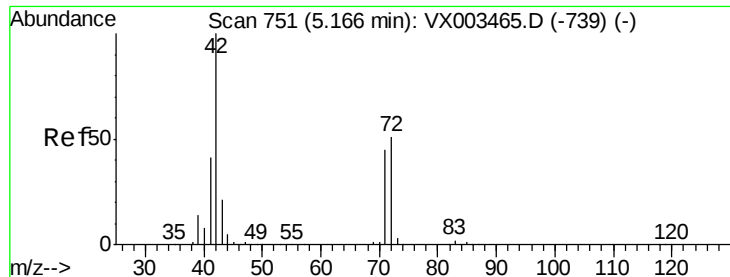
Bromochloromethane
Concen: 45.68 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion	49	Resp	102947
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.2
130	98.3	61.2	91.8#



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: 239.36 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampled :

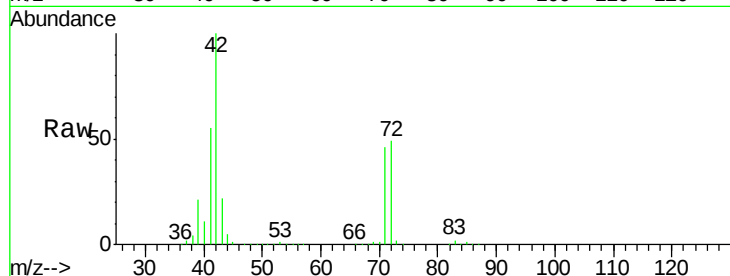
Tot Ion: 42 Resp: 306383

Ion Ratio Lower Upper

42 100

72 48.6 32.0 48.0#

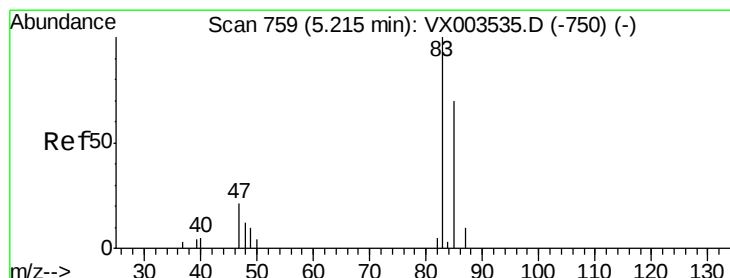
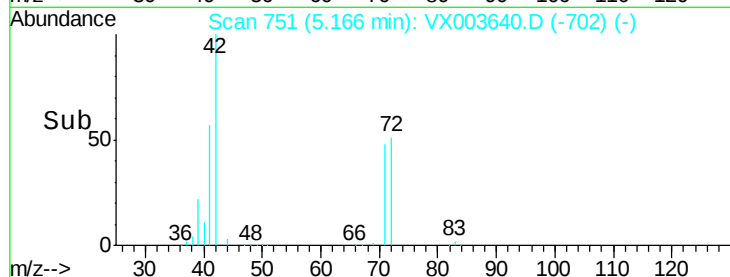
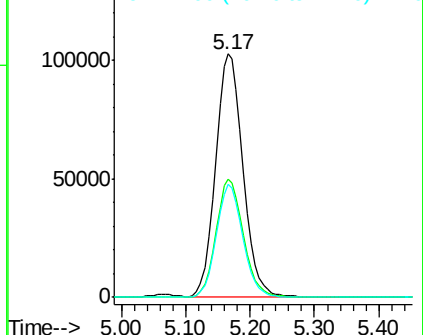
71 45.2 30.1 45.1#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 49.48 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX003640.D

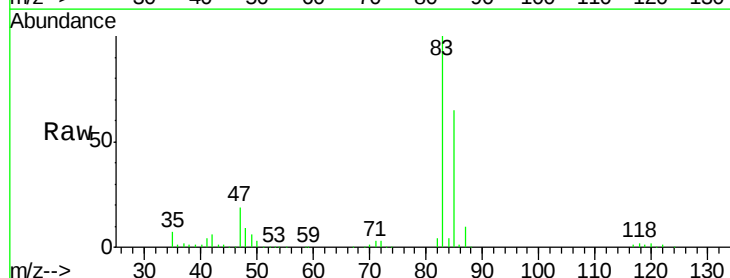
Acq: 24 Jul 2018 08:29

Tgt Ion: 83 Resp: 249084

Ion Ratio Lower Upper

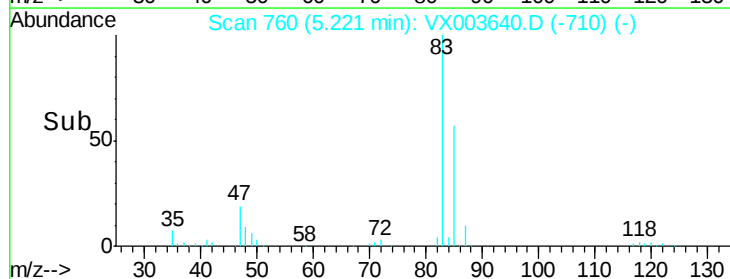
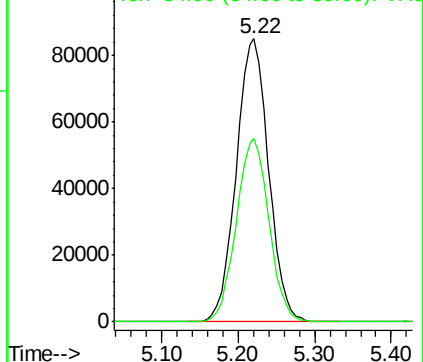
83 100

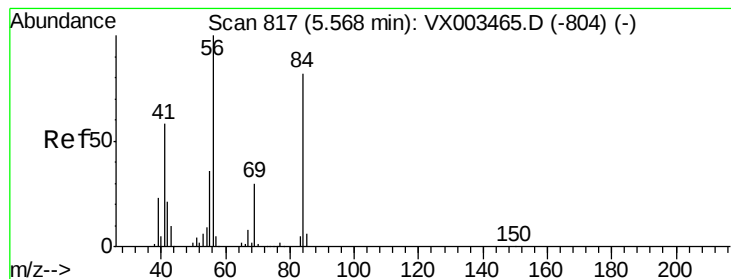
85 64.6 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 44.05 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

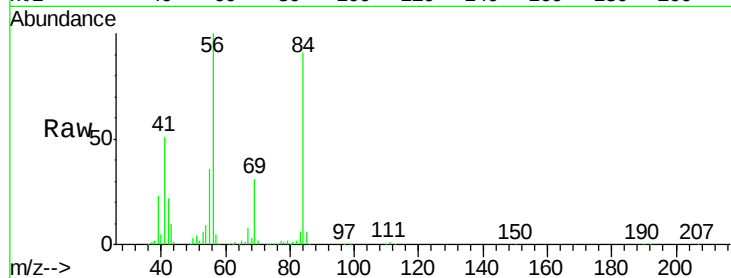
Tot Ion: 56 Resp: 202943

Ion Ratio Lower Upper

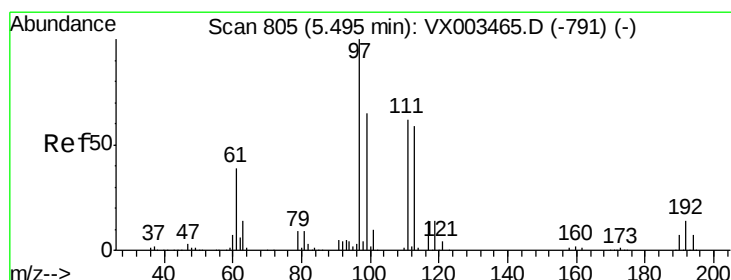
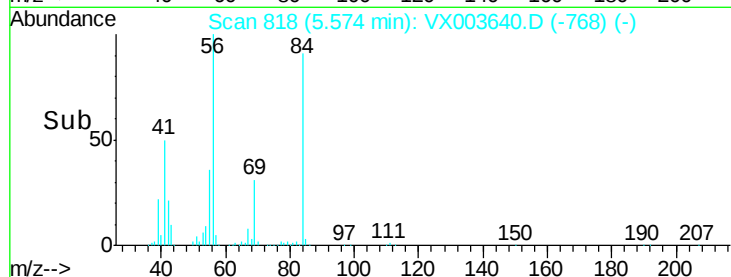
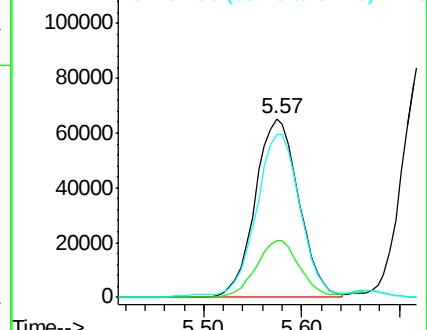
56 100

69 31.4 23.7 35.5

84 89.7 64.1 96.1



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 50.07 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

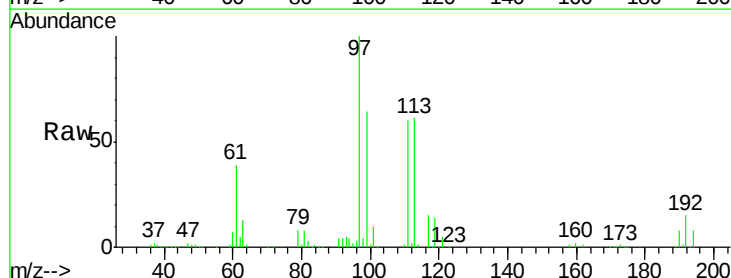
Tgt Ion: 97 Resp: 215846

Ion Ratio Lower Upper

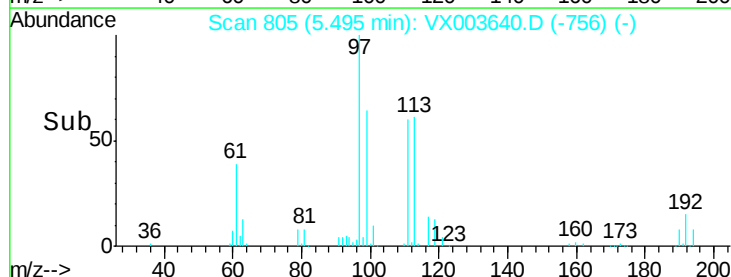
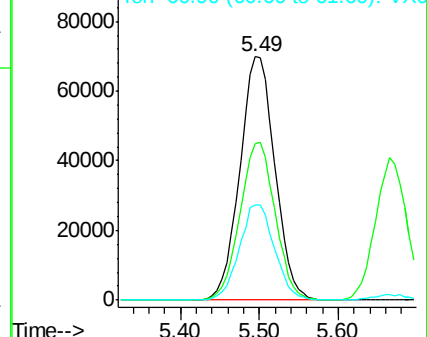
97 100

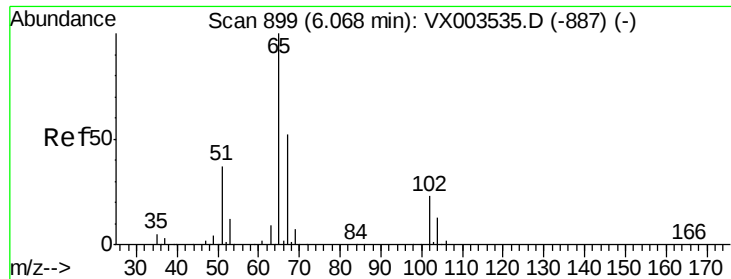
99 65.0 51.6 77.4

61 39.4 36.4 54.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.93 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

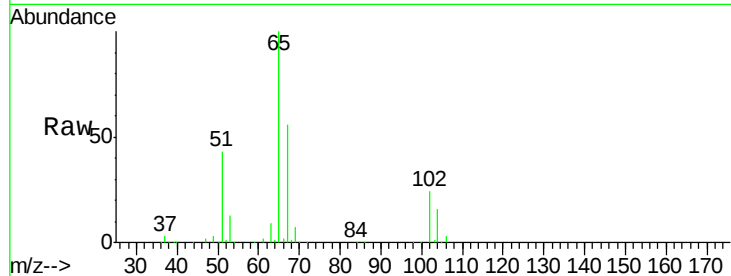
ClientSampleId :

Tot Ion: 65 Resp: 149600

Ion Ratio Lower Upper

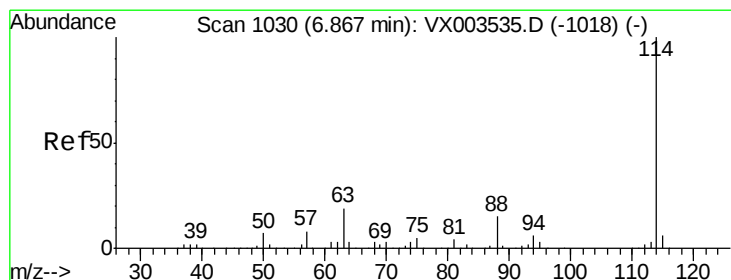
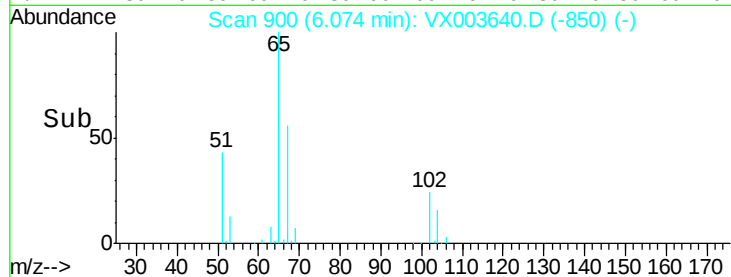
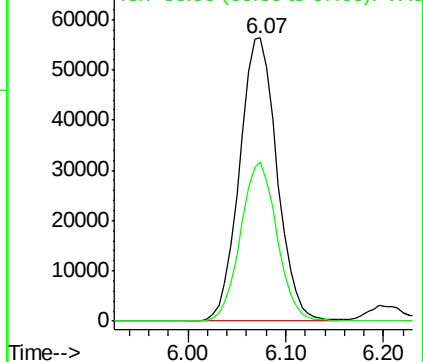
65 100

67 54.7 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

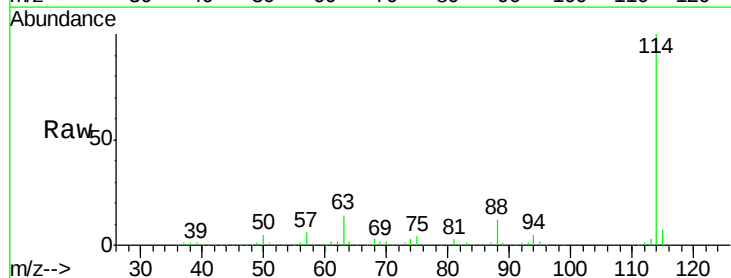
Tgt Ion: 114 Resp: 365131

Ion Ratio Lower Upper

114 100

63 14.3 0.0 41.4

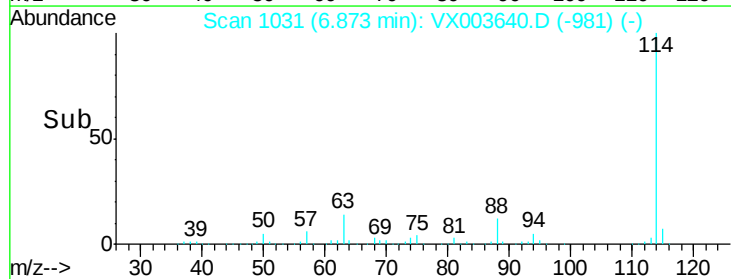
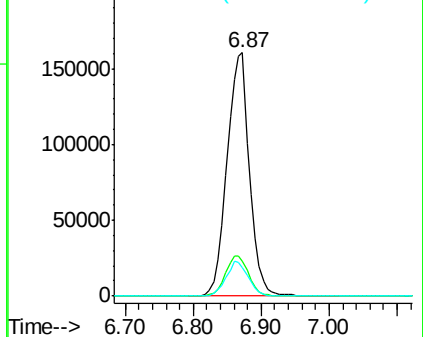
88 11.8 0.0 30.0

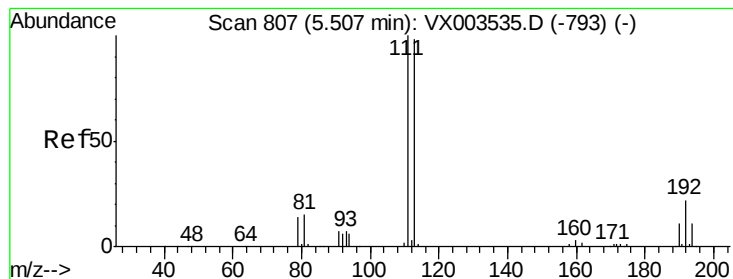


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.91 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :

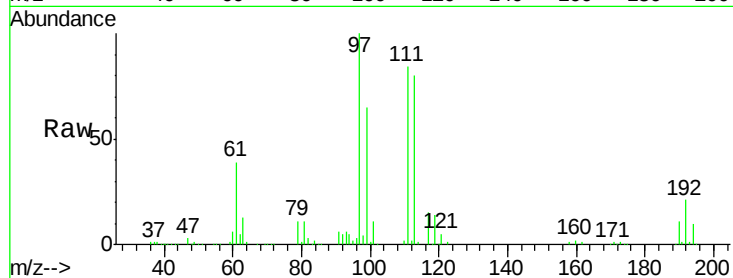
Tot Ion:113 Resp: 144380

Ion Ratio Lower Upper

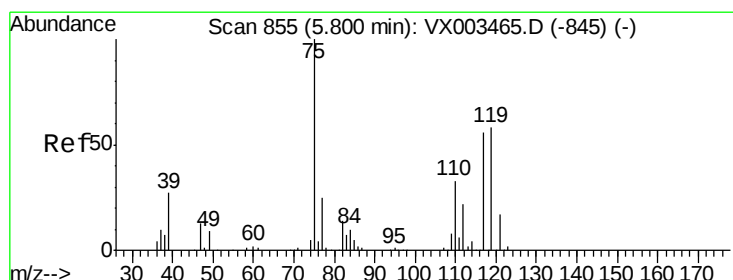
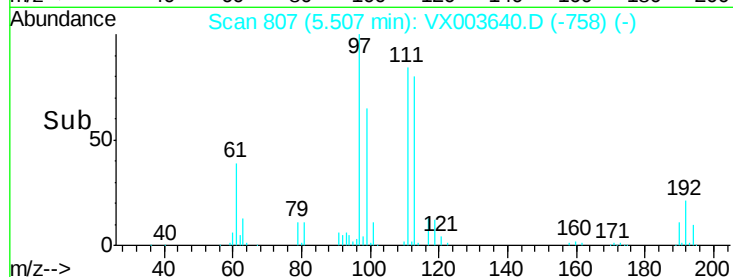
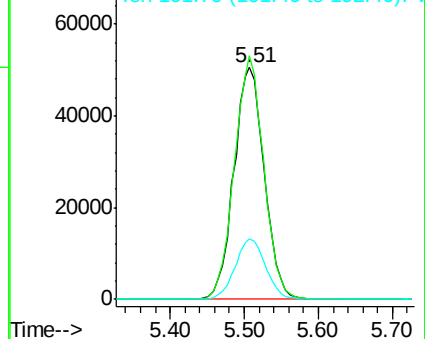
113 100

111 101.7 81.4 122.0

192 26.1 19.1 28.7



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: 45.40 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

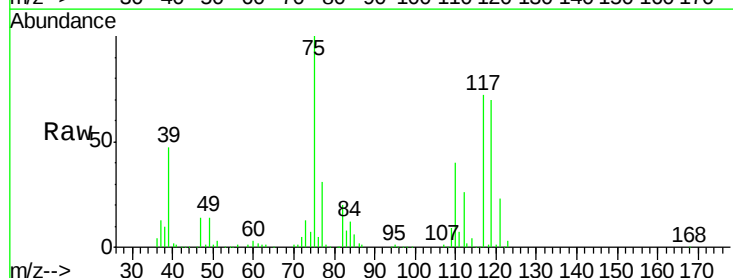
Tgt Ion: 75 Resp: 178976

Ion Ratio Lower Upper

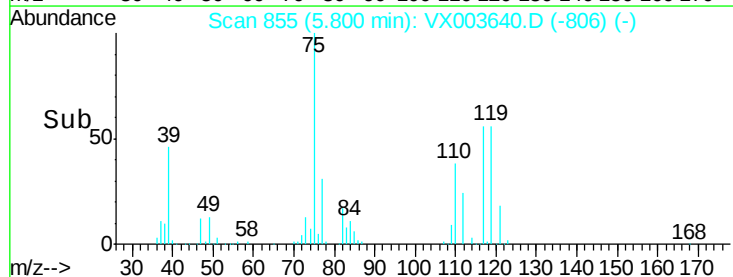
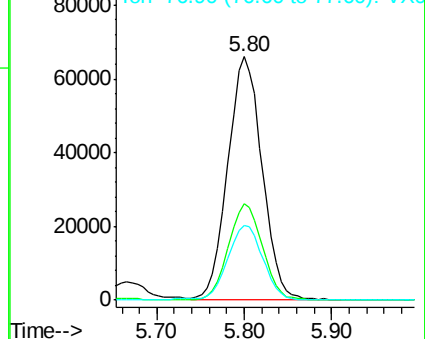
75 100

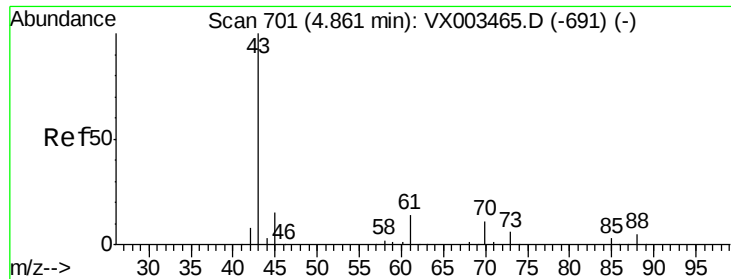
110 39.6 18.1 54.4

77 31.4 24.3 36.5



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: 47.58 ug/l

RT: 4.87 min Scan# 702

Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

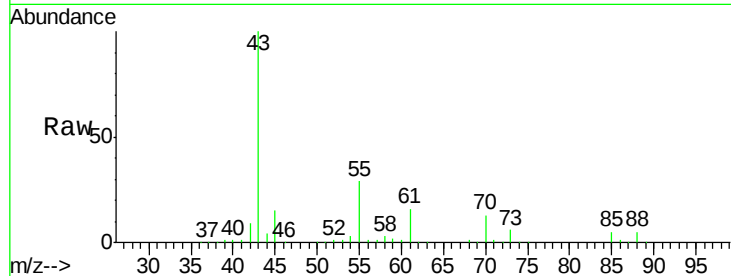
Tot Ion: 43 Resp: 177484

Ion Ratio Lower Upper

43 100

61 15.5 10.4 15.6

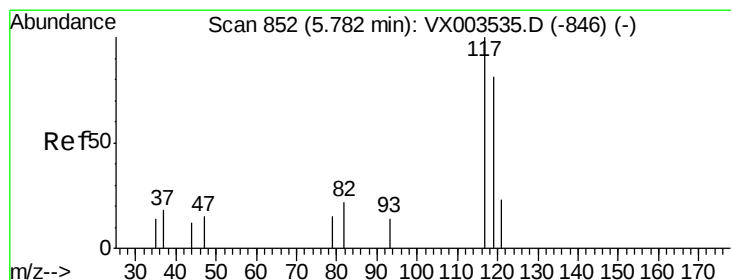
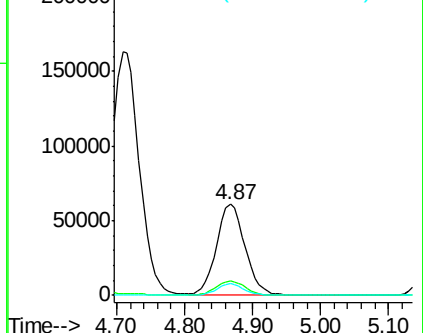
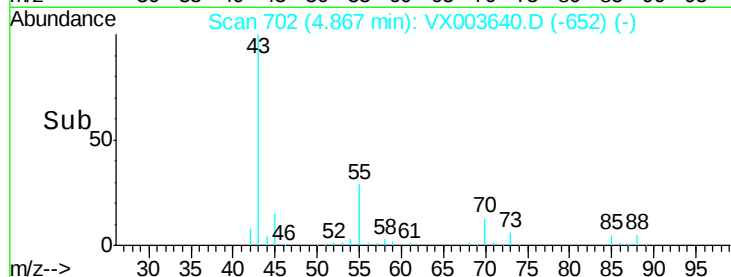
70 12.2 7.6 11.4#



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: 50.60 ug/l

RT: 5.78 min Scan# 852

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

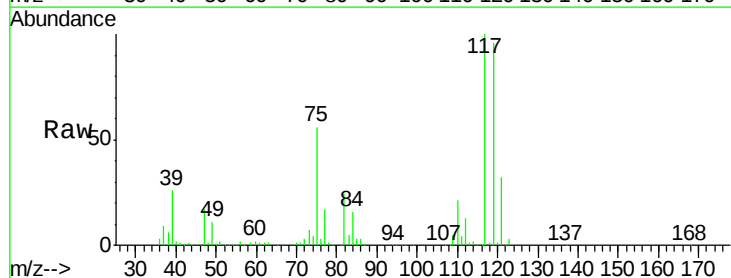
Tgt Ion: 117 Resp: 195674

Ion Ratio Lower Upper

117 100

119 96.3 77.4 116.0

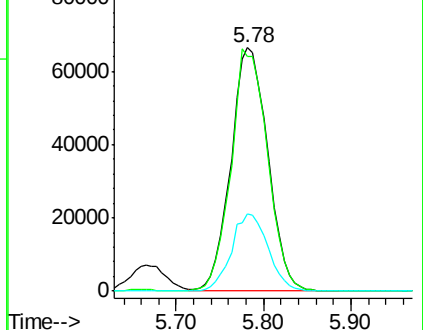
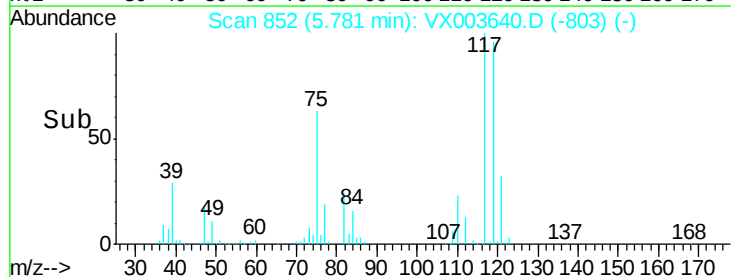
121 31.9 24.4 36.6

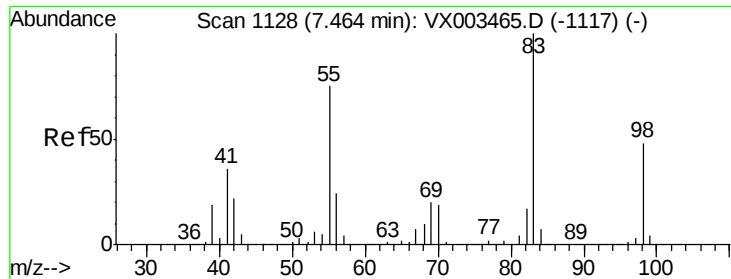


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

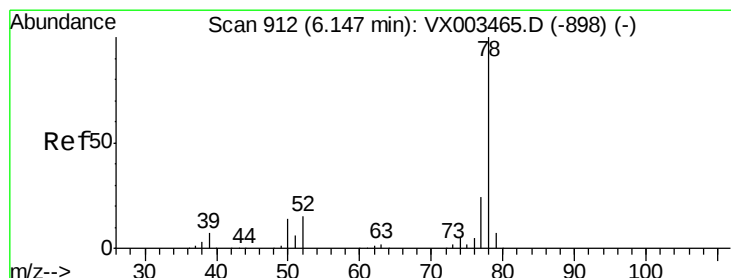
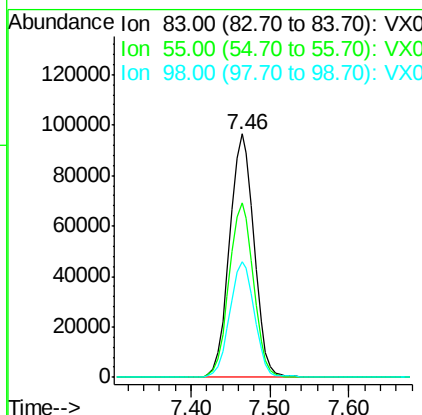
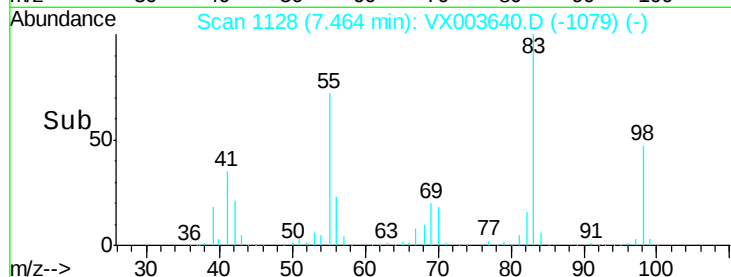
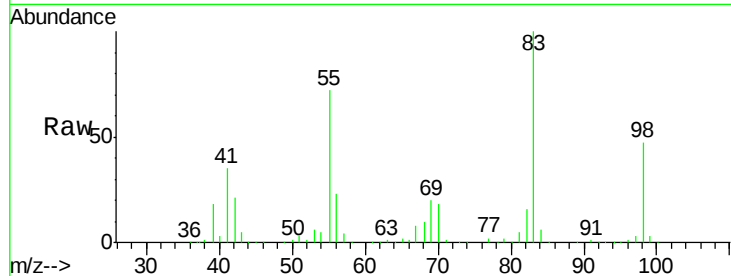




#39
Methvlcvclohexane
Concen: 44.68 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

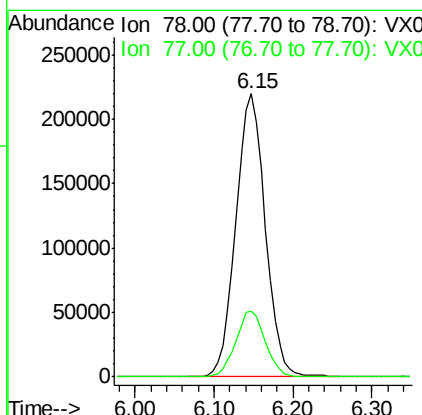
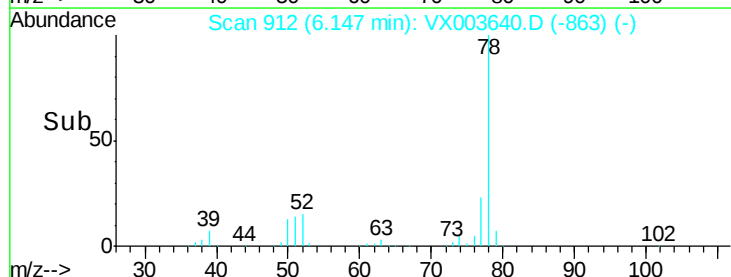
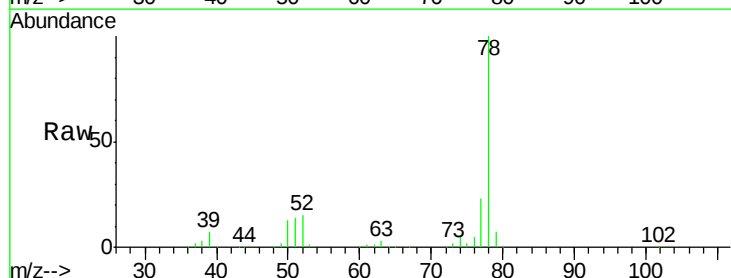
Instrument :
MSVOA_X
ClientSampleId :

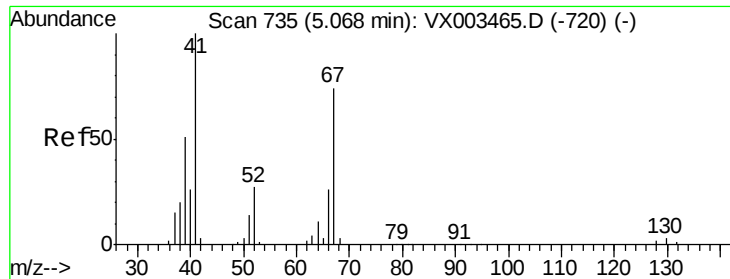
Tot Ion: 83 Resp: 208628
Ion Ratio Lower Upper
83 100
55 71.9 65.4 98.0
98 47.3 37.4 56.0



#40
Benzene
Concen: 47.92 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion: 78 Resp: 570420
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7

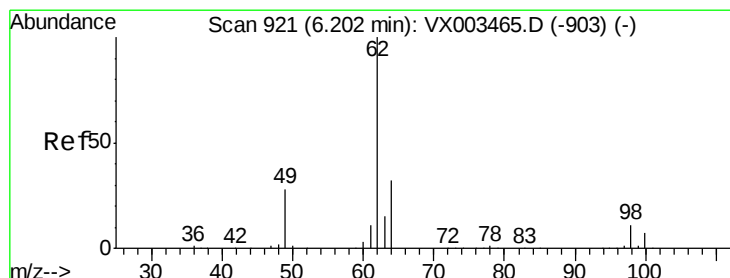
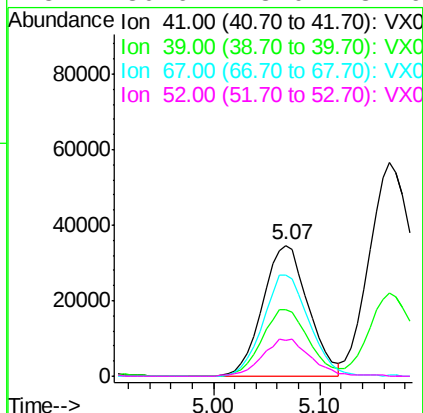
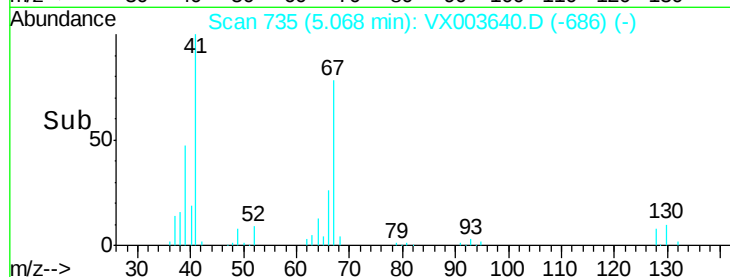
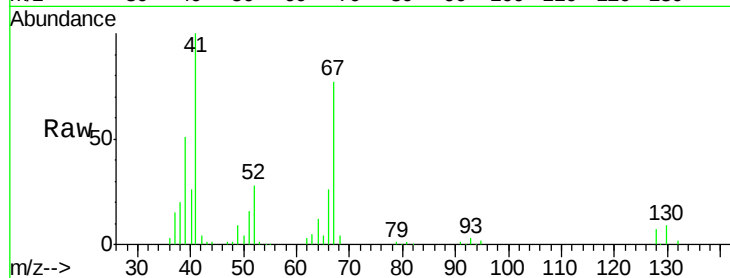




#41
Methacrylonitrile
Concen: 46.95 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

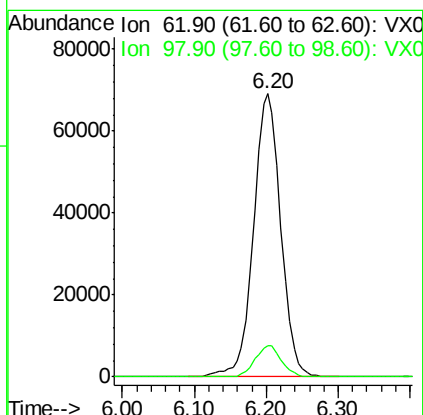
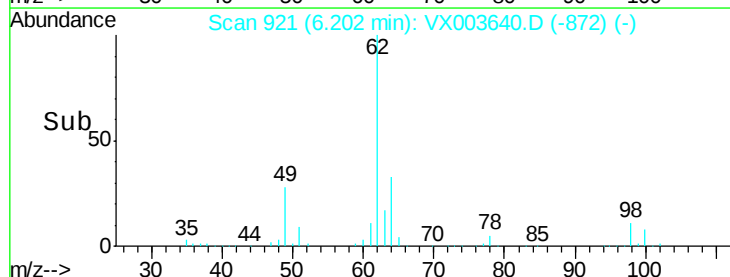
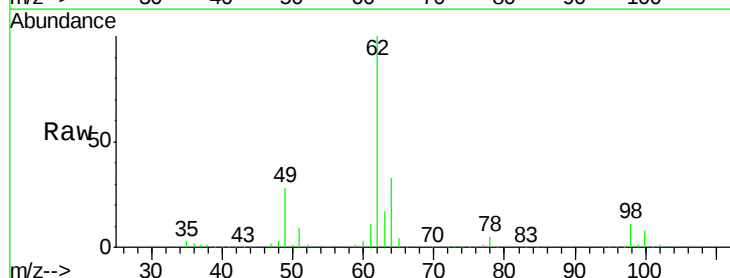
Instrument :
MSVOA_X
ClientSampled :

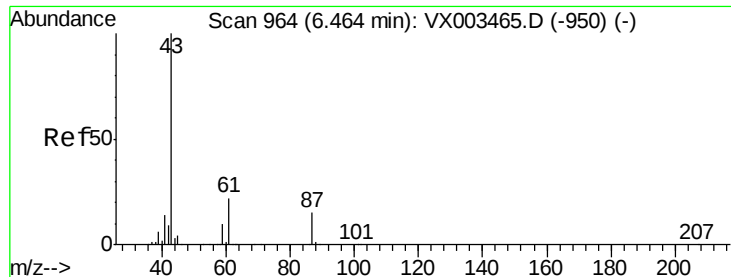
Tot Ion: 41 Resp: 102937
Ion Ratio Lower Upper
41 100
39 53.1 45.8 68.6
67 78.6 51.3 76.9#
52 30.6 23.0 34.6



#42
1,2-Dichloroethane
Concen: 48.45 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion: 62 Resp: 181685
Ion Ratio Lower Upper
62 100
98 10.7 0.0 16.6





#43

Isopropyl Acetate

Concen: 48.26 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

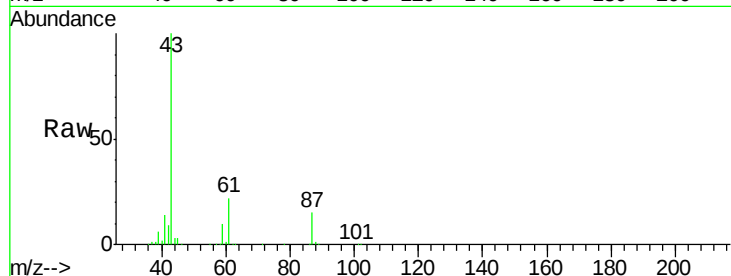
Tot Ion: 43 Resp: 286359

Ion Ratio Lower Upper

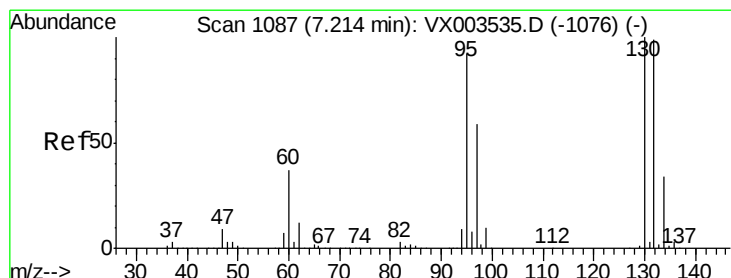
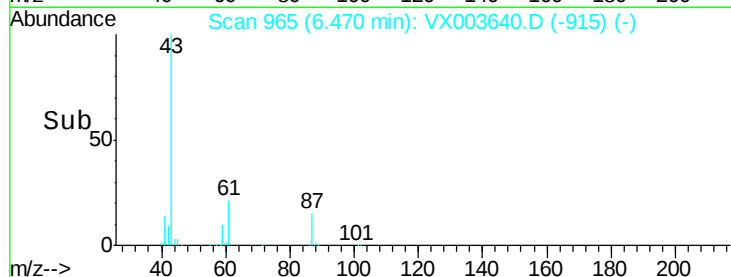
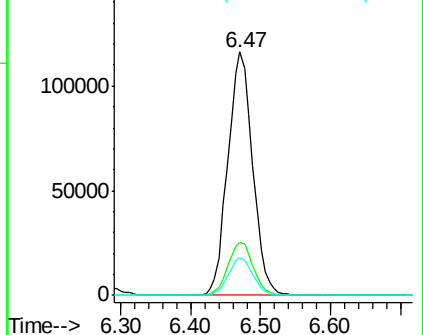
43 100

61 22.1 14.4 21.6#

87 15.4 9.5 14.3#



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



#44

Trichloroethene

Concen: 50.36 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX003640.D

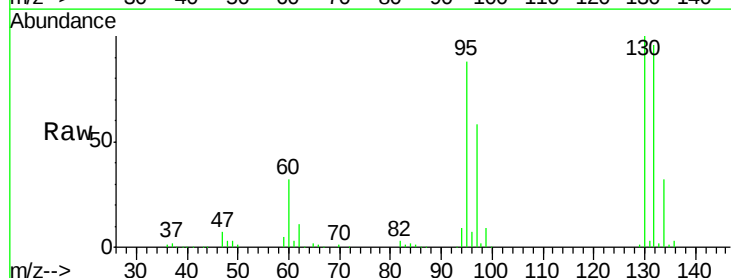
Acq: 24 Jul 2018 08:29

Tgt Ion:130 Resp: 178750

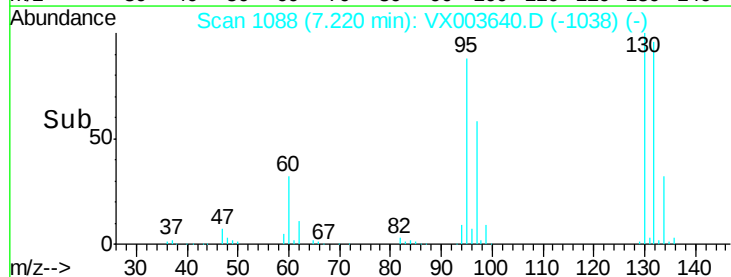
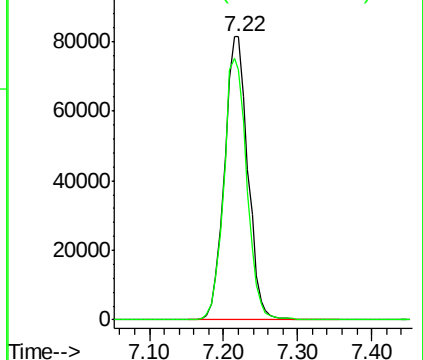
Ion Ratio Lower Upper

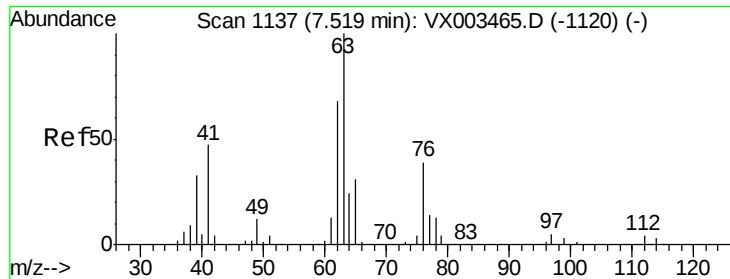
130 100

95 88.2 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

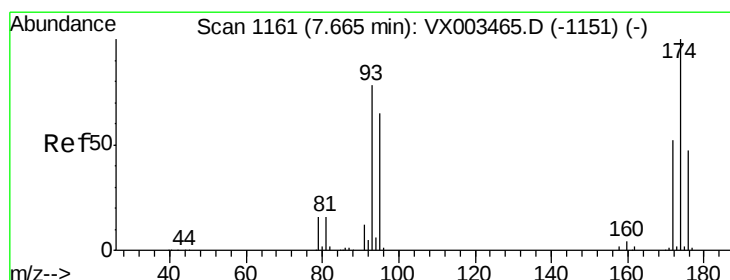
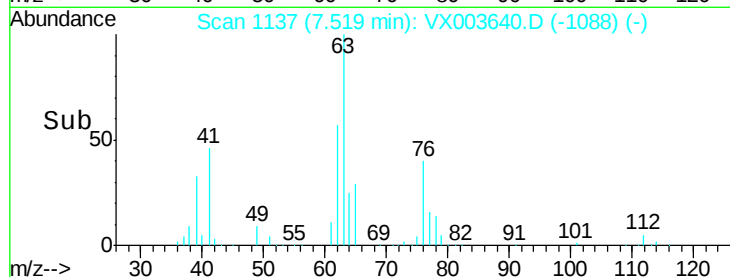
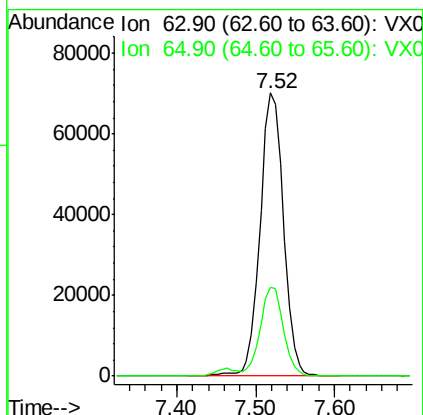
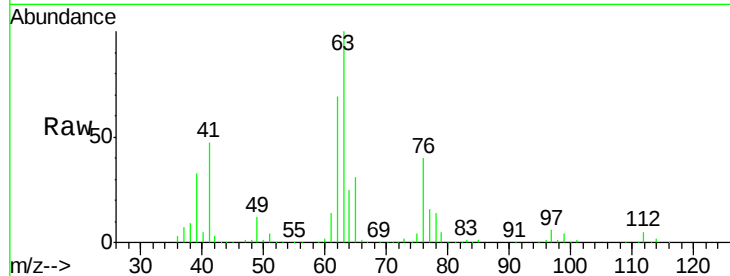




#45
 1,2-Dichloropropane
 Concen: 48.31 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

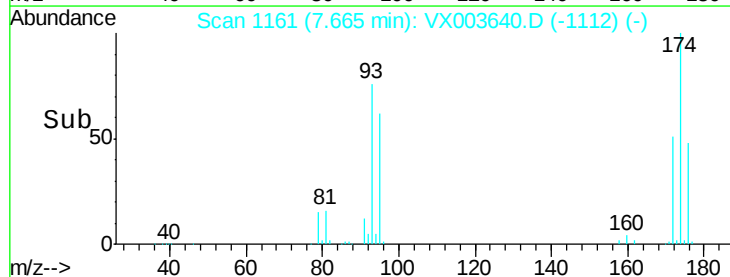
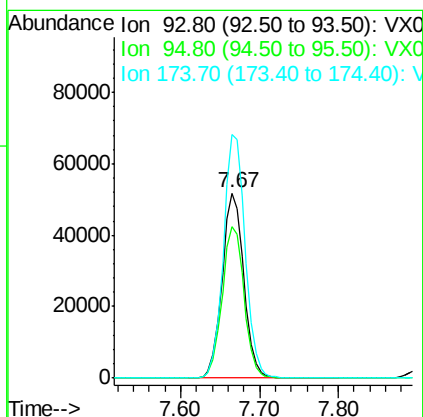
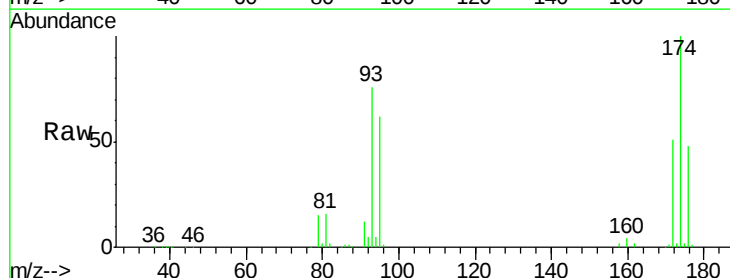
Instrument :
 MSVOA_X
 ClientSampleId :

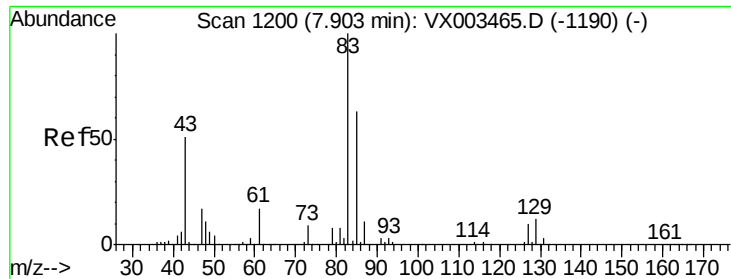
Tot Ion: 63 Resp: 145999
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.7 37.1



#46
 Dibromomethane
 Concen: 50.75 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Tgt Ion: 93 Resp: 98753
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.9 98.9
 174 132.5 92.4 138.6





#47

Bromodichloromethane

Concen: 51.47 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :

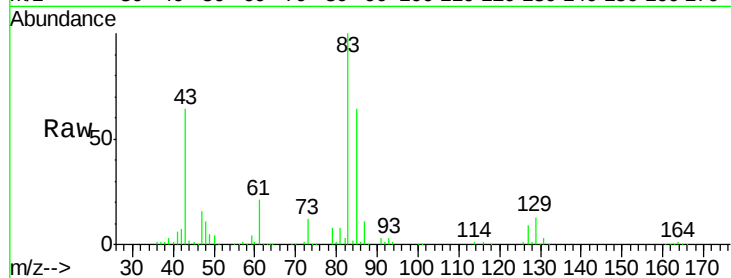
Tot Ion: 83 Resp: 183323

Ion Ratio Lower Upper

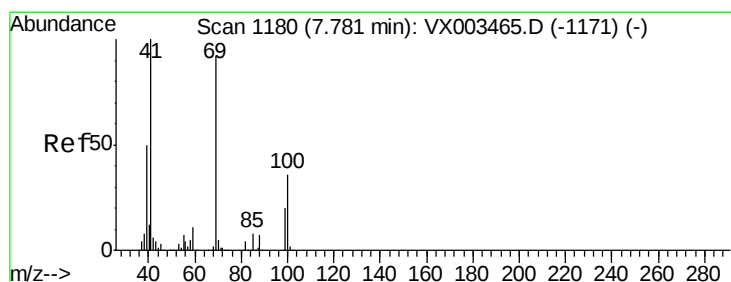
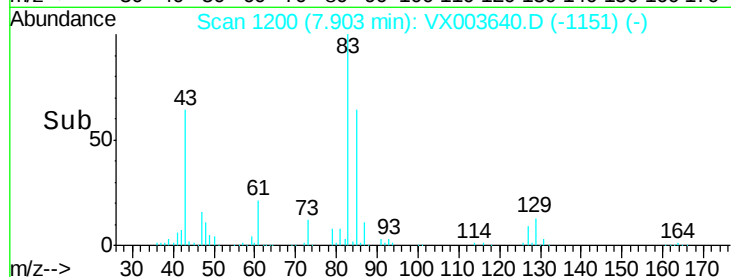
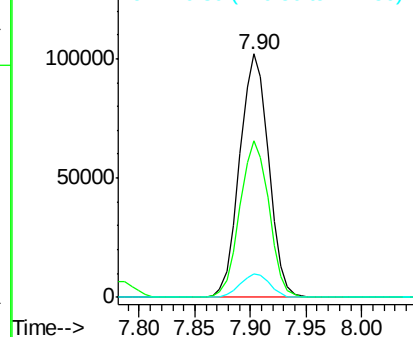
83 100

85 64.5 50.3 75.5

127 9.4 7.0 10.4



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: 49.38 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

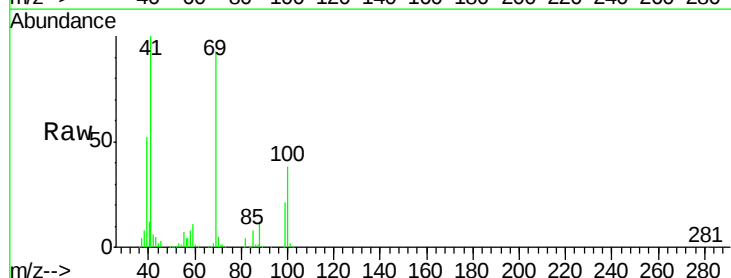
Tgt Ion: 41 Resp: 147763

Ion Ratio Lower Upper

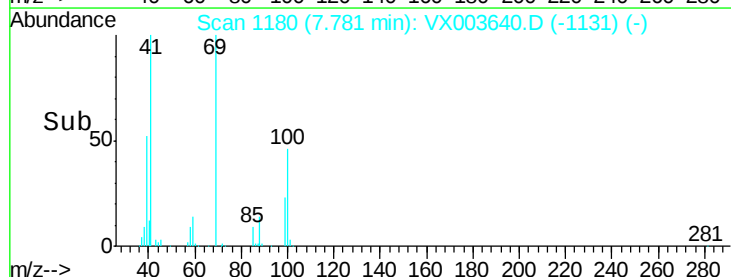
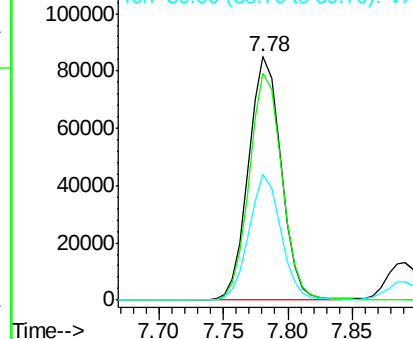
41 100

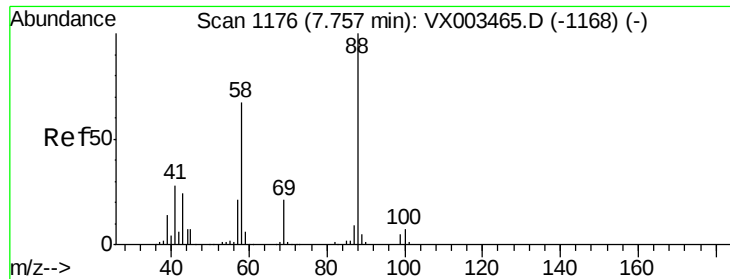
69 94.1 59.1 88.7#

39 50.6 48.9 73.3



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

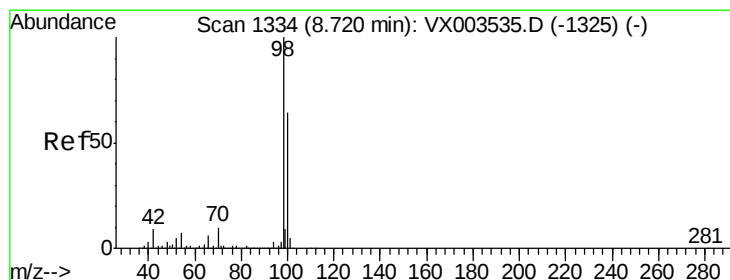
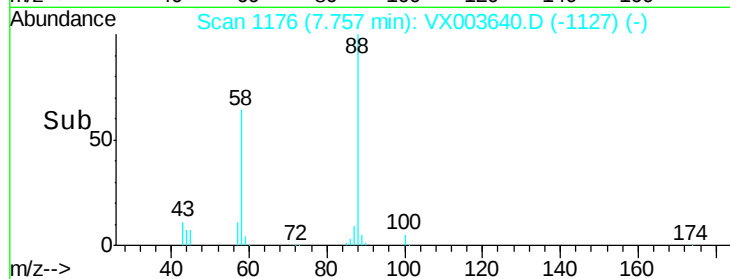
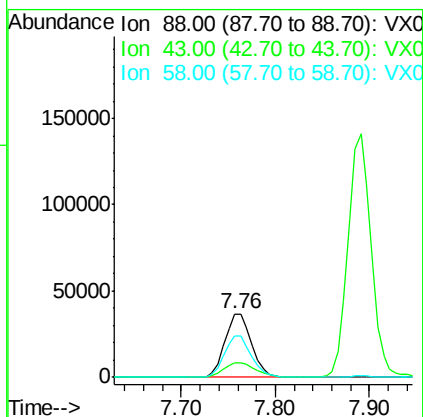
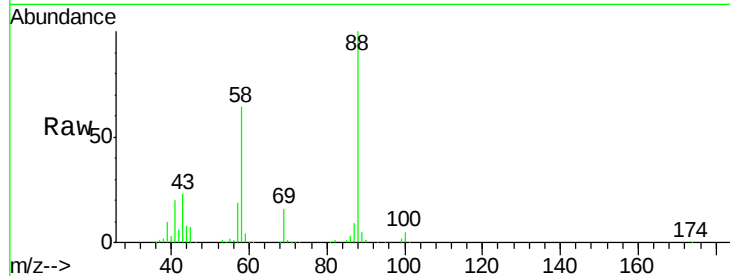




#49
 1,4-Dioxane
 Concen: 1069.99 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

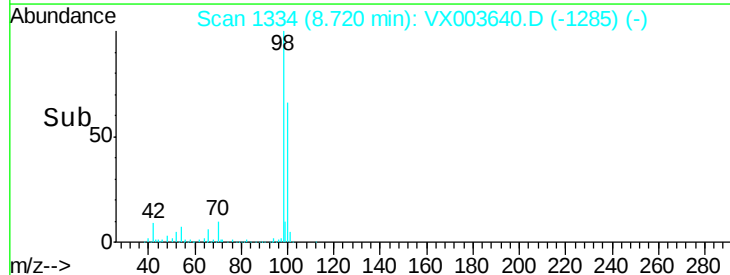
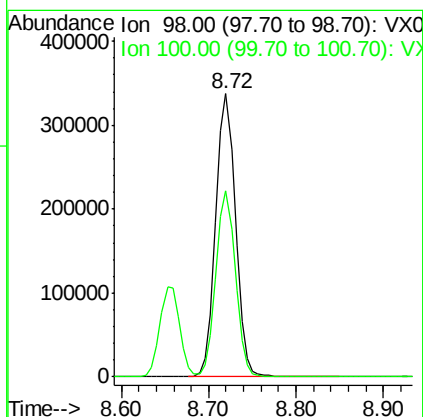
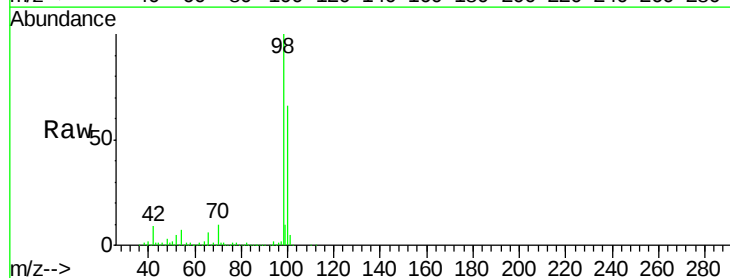
Instrument :
 MSVOA_X
 ClientSampled :

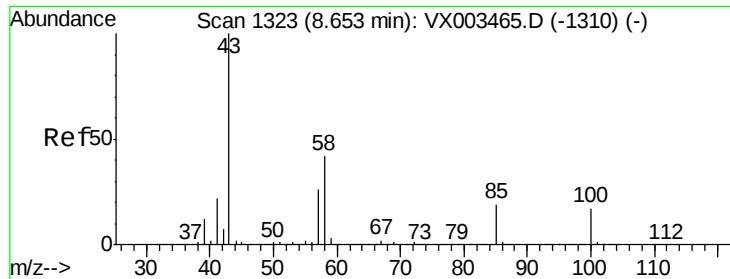
Tot Ion: 88 Resp: 72550
 Ion Ratio Lower Upper
 88 100
 43 26.9 29.8 44.6#
 58 66.3 57.1 85.7



#50
 Toluene-d8
 Concen: 50.62 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Tgt Ion: 98 Resp: 529148
 Ion Ratio Lower Upper
 98 100
 100 65.4 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 253.96 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

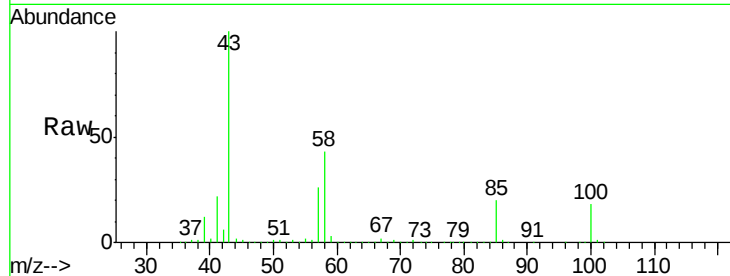
ClientSampleId :

Tot Ion: 43 Resp: 952078

Ion Ratio Lower Upper

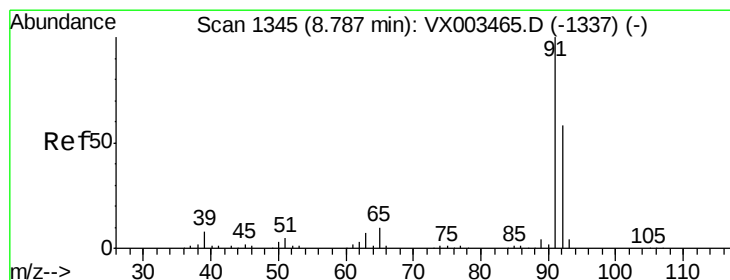
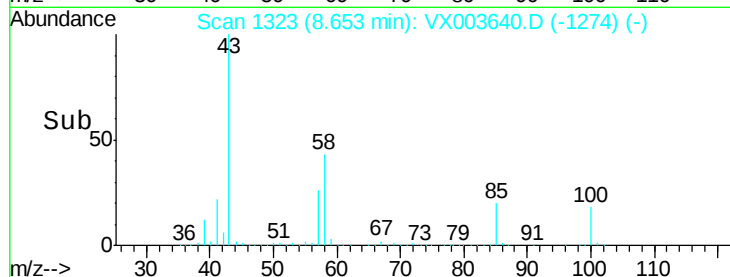
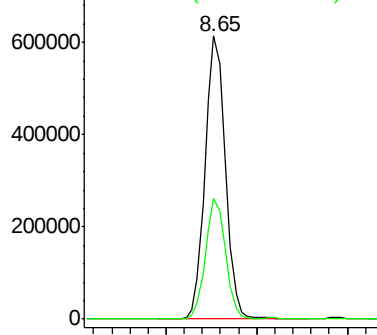
43 100

58 42.2 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.72 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003640.D

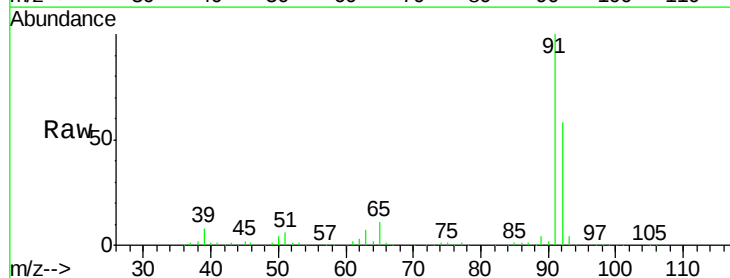
Acq: 24 Jul 2018 08:29

Tgt Ion: 92 Resp: 372497

Ion Ratio Lower Upper

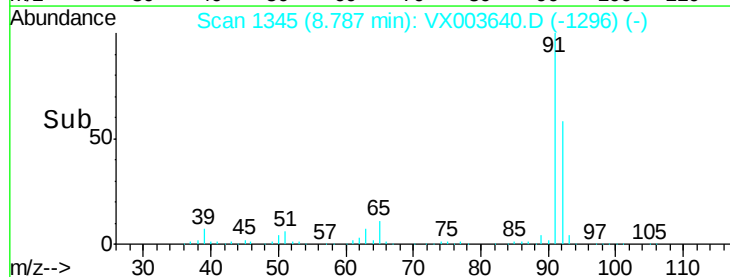
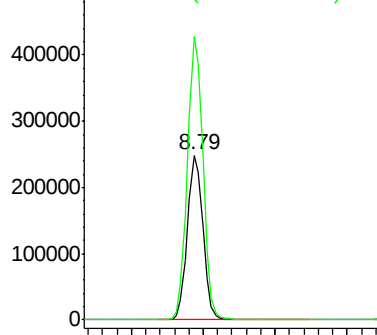
92 100

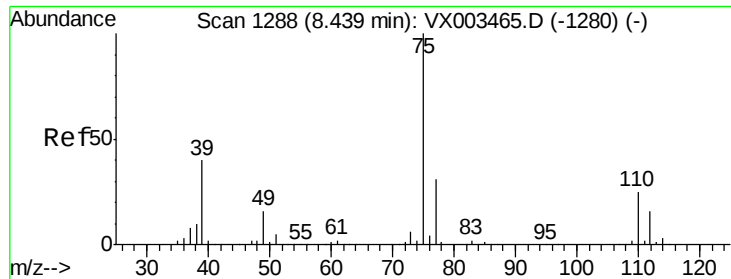
91 172.8 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

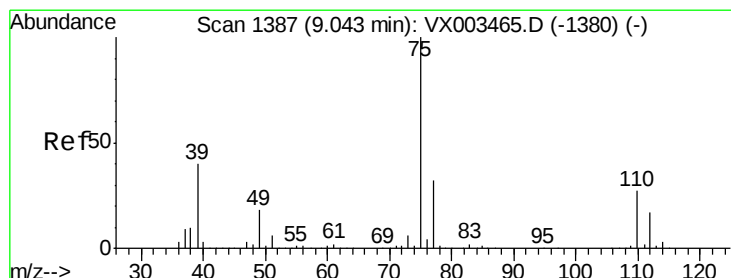
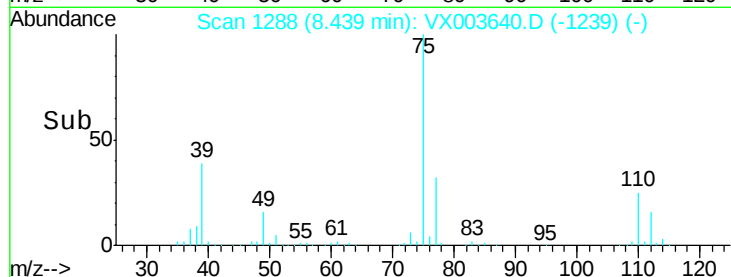
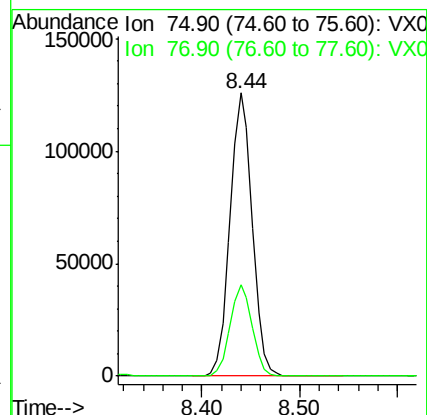
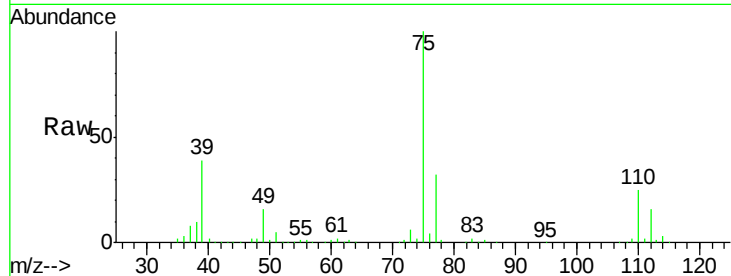




#53
t-1,3-Dichloropropene
Concen: 45.05 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

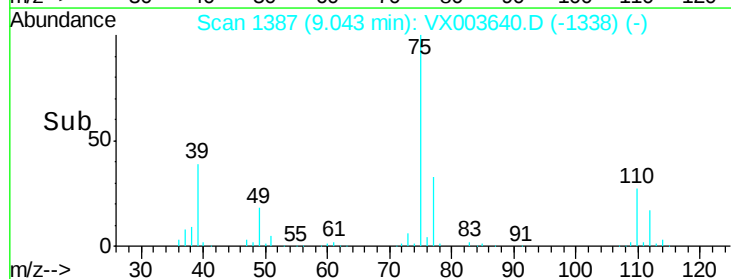
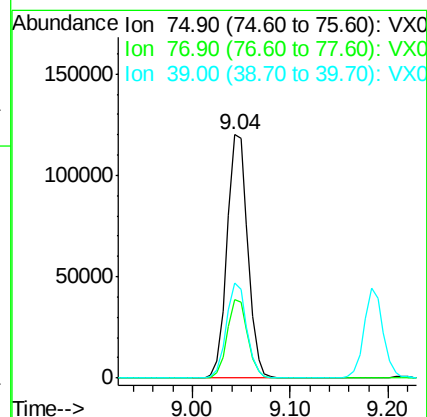
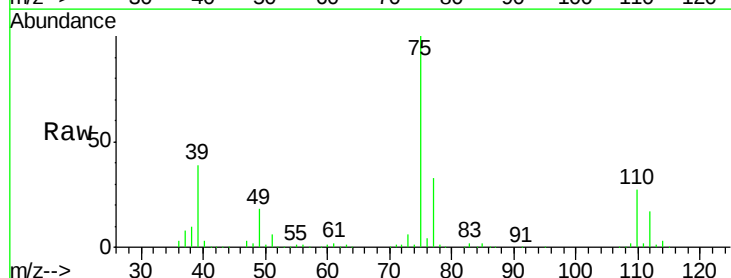
Instrument :
MSVOA_X
ClientSampleId :

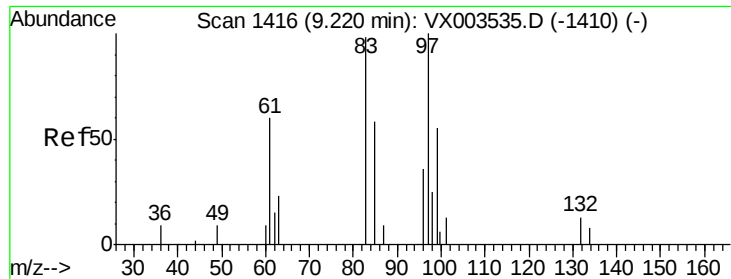
Tot Ion: 75 Resp: 197516
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 44.77 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion: 75 Resp: 176513
Ion Ratio Lower Upper
75 100
77 32.5 24.8 37.2
39 38.9 42.4 63.6#

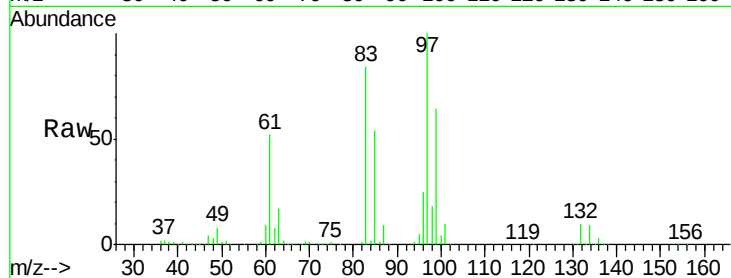




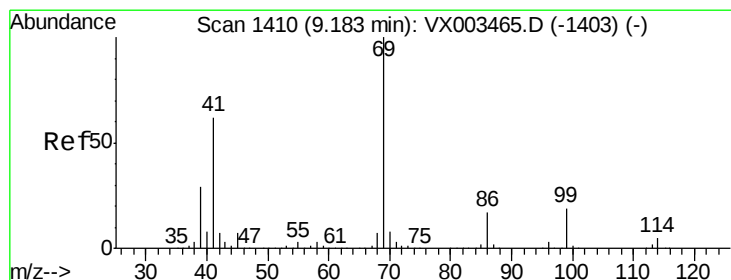
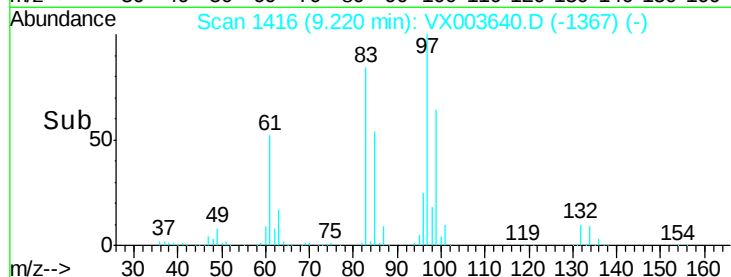
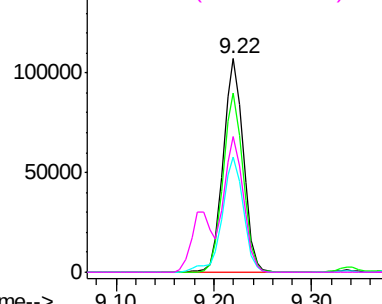
#55
 1,1,2-Trichloroethane
 Concen: 51.39 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	153211
Ion	Ratio	Lower	Upper
97	100		
83	84.2	70.2	105.2
85	54.1	44.9	67.3
99	63.8	49.8	74.8

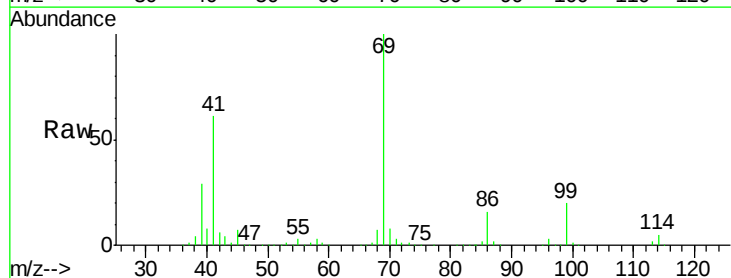


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

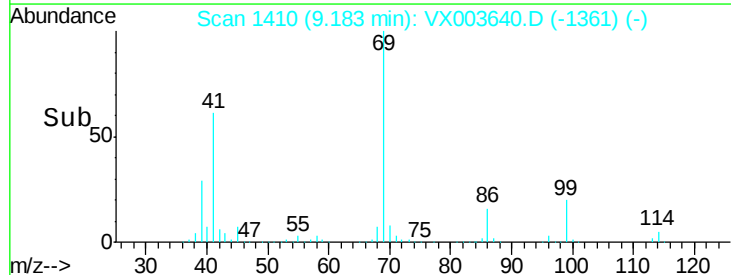
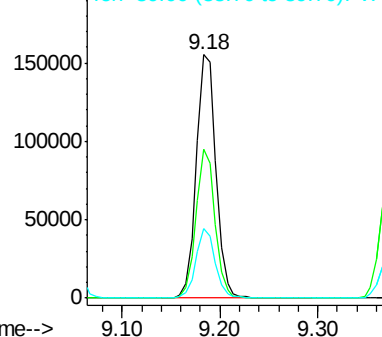


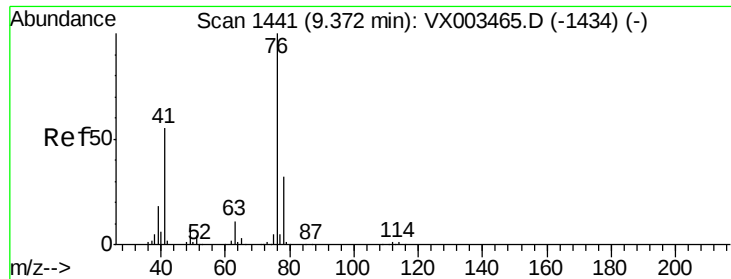
#56
 Ethyl methacrylate
 Concen: 51.46 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Tgt Ion:	69	Resp:	216093
Ion	Ratio	Lower	Upper
69	100		
41	59.1	60.3	90.5#
39	28.0	35.8	53.8#



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





#57

1,3-Dichloropropane

Concen: 50.44 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

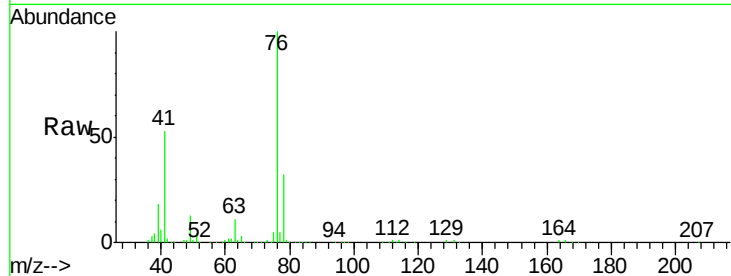
ClientSampleId :

Tot Ion: 76 Resp: 243069

Ion Ratio Lower Upper

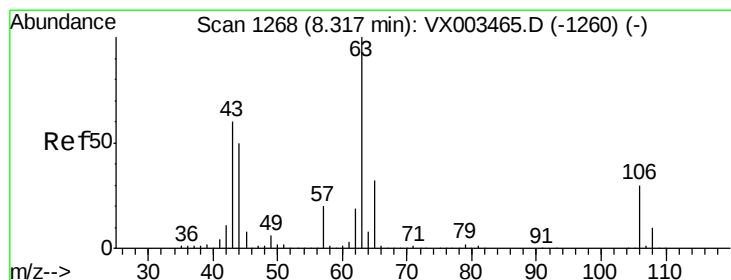
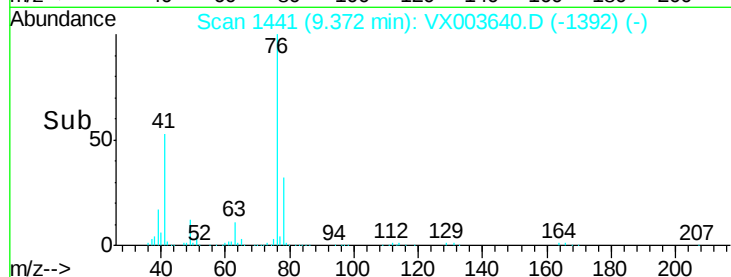
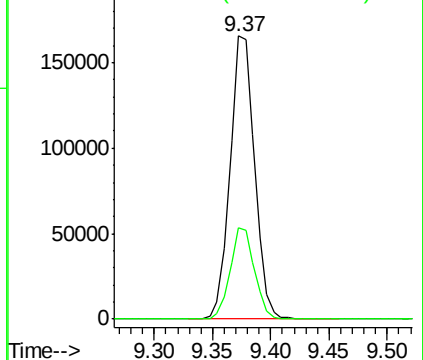
76 100

78 32.0 25.8 38.6



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: 237.07 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003640.D

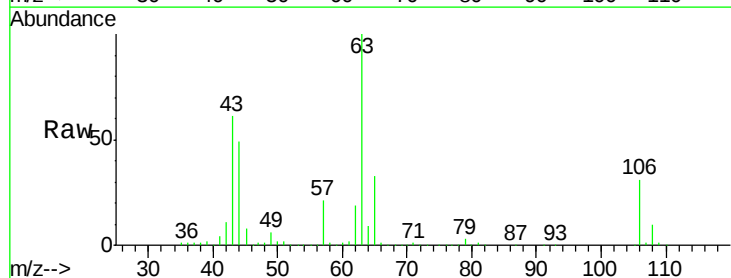
Acq: 24 Jul 2018 08:29

Tgt Ion: 63 Resp: 484061

Ion Ratio Lower Upper

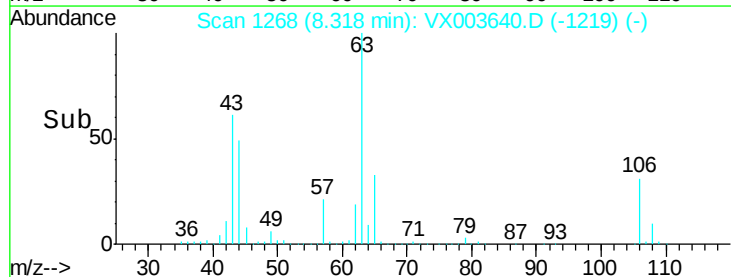
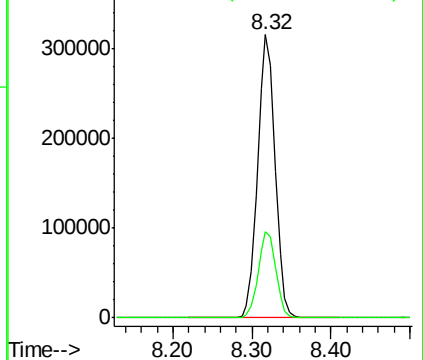
63 100

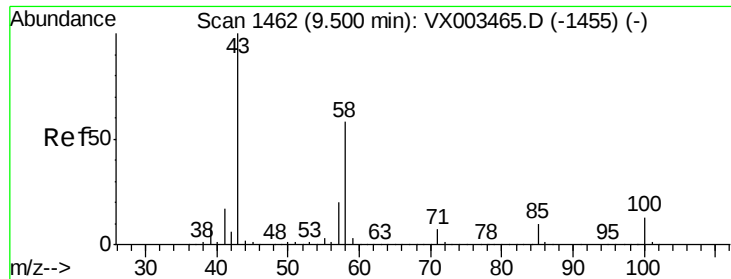
106 30.9 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

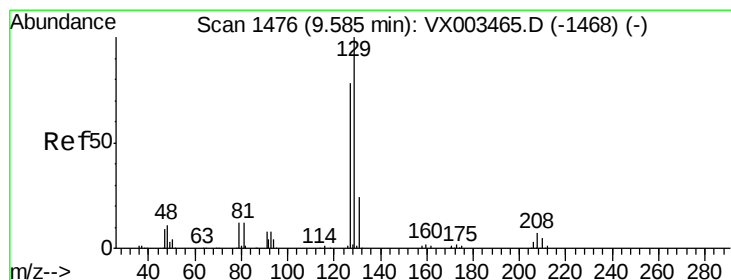
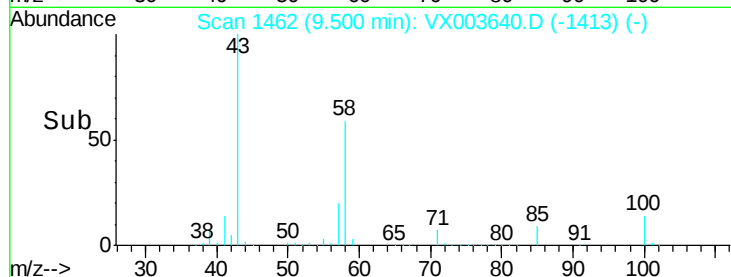
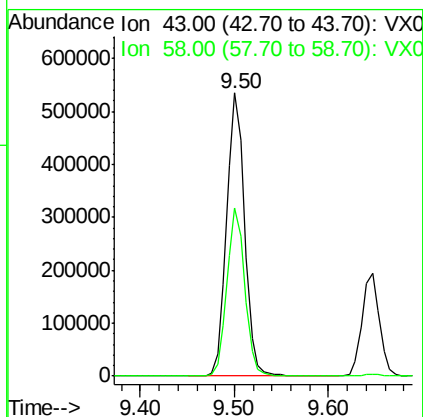
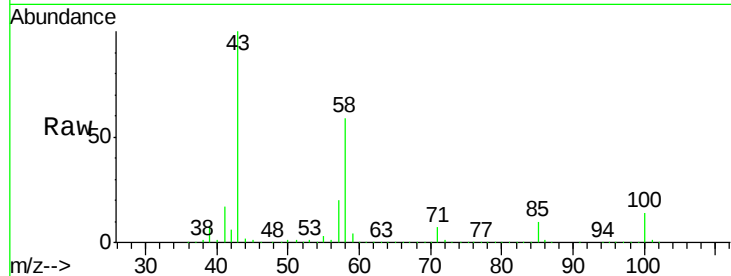




#59
2-Hexanone
Concen: 256.16 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

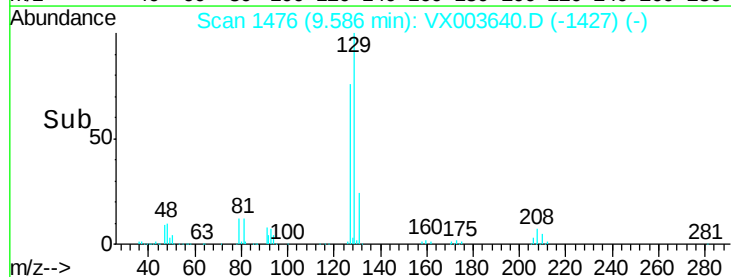
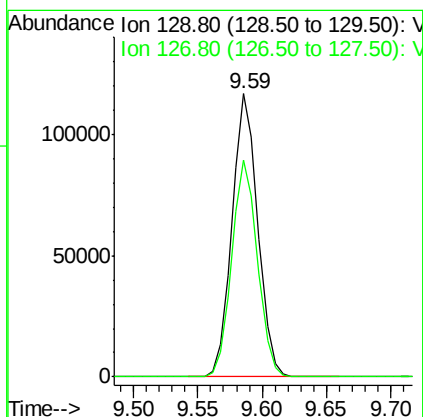
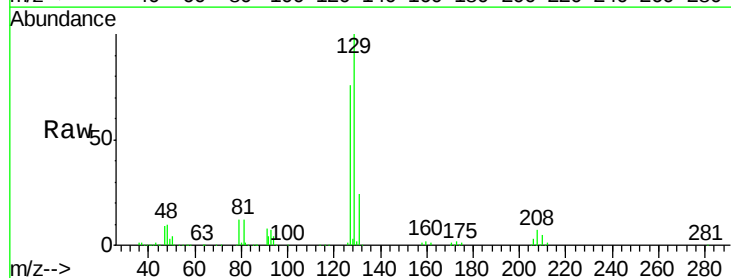
Instrument :
MSVOA_X
ClientSampled :

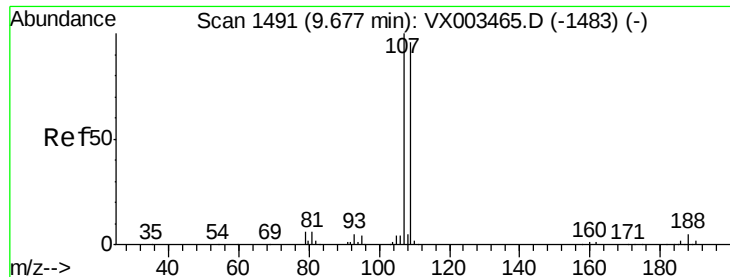
Tot Ion: 43 Resp: 711523
Ion Ratio Lower Upper
43 100
58 58.8 24.6 73.6



#60
Dibromochloromethane
Concen: 55.08 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion: 129 Resp: 162530
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.3





#61

1,2-Dibromoethane

Concen: 51.61 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

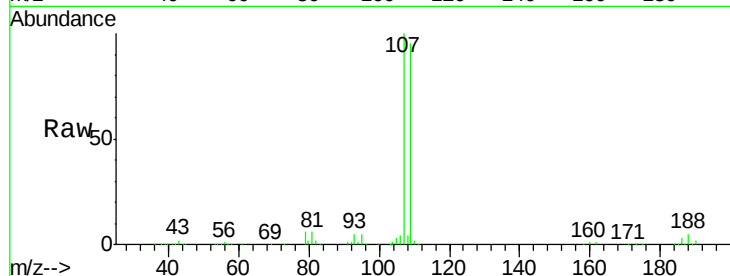
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:107 Resp: 159494

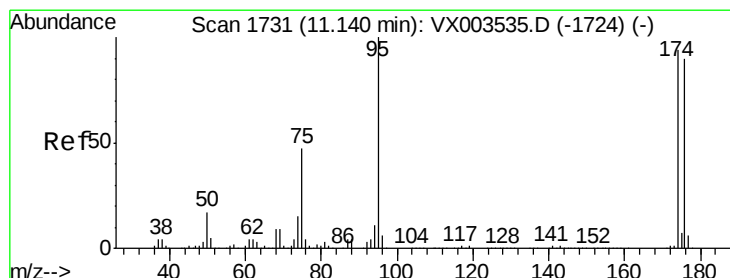
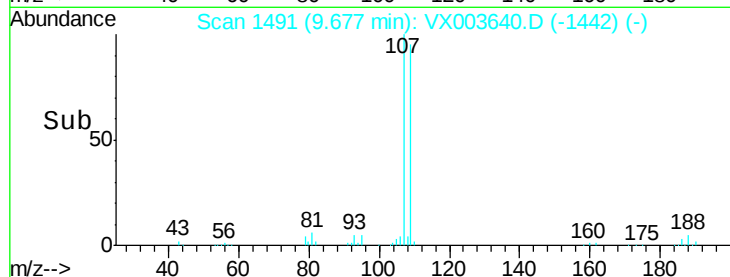
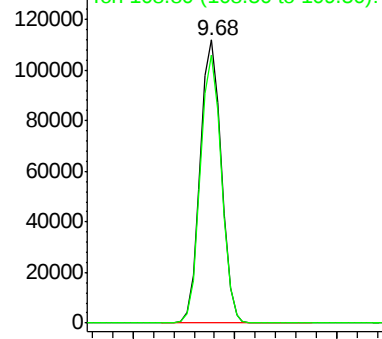
Ion Ratio Lower Upper

107 100

109 94.8 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

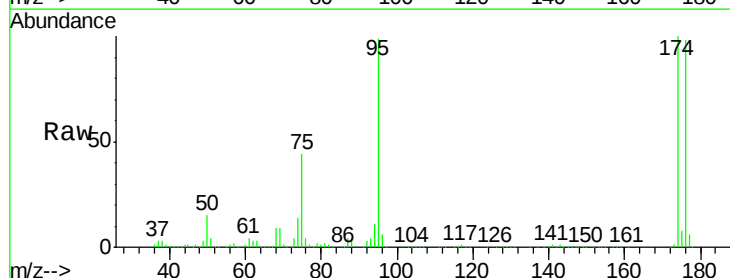
Tgt Ion: 95 Resp: 194669

Ion Ratio Lower Upper

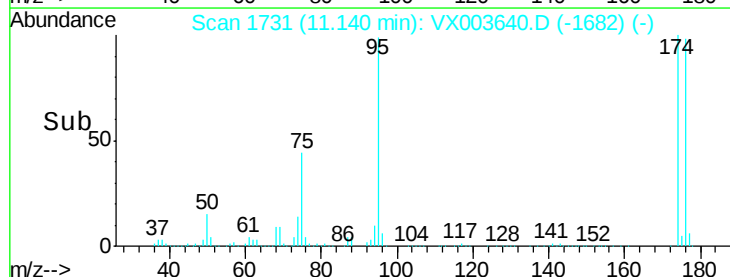
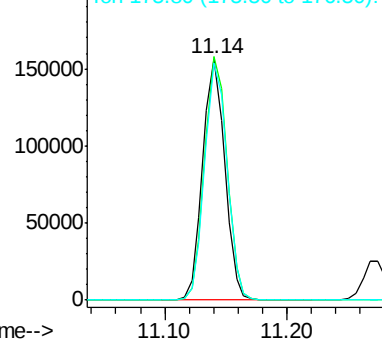
95 100

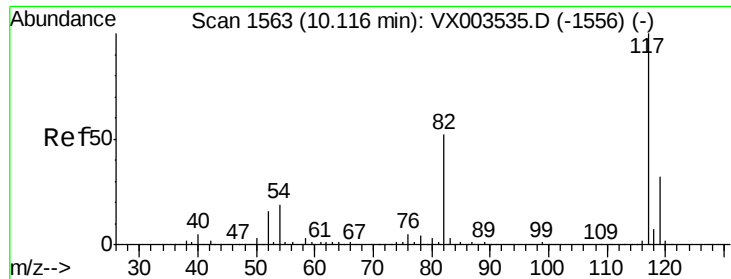
174 103.0 0.0 187.4

176 99.9 0.0 181.0



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

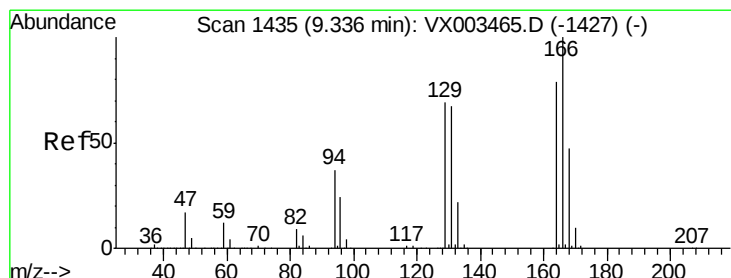
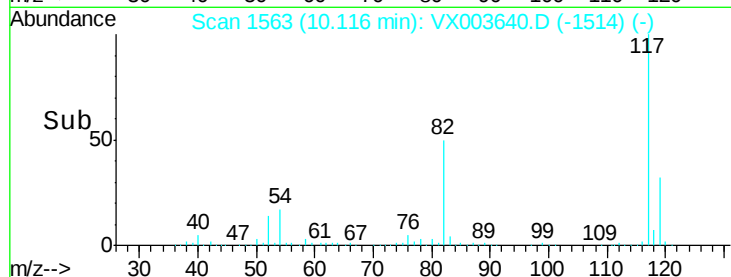
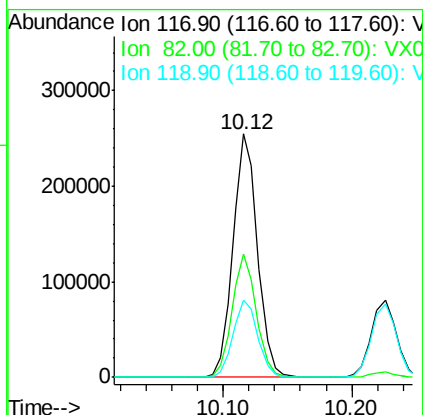
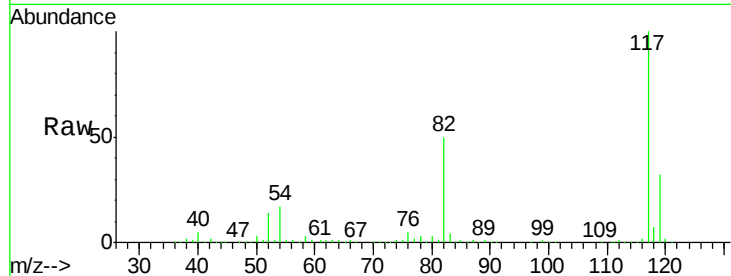




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

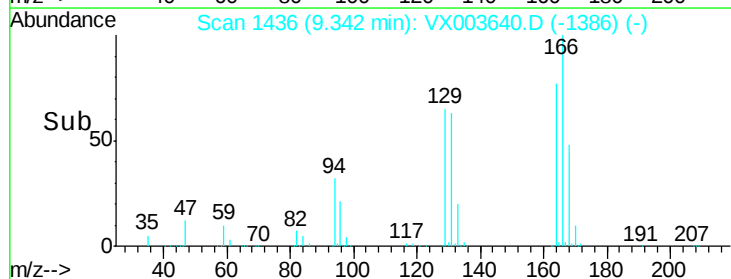
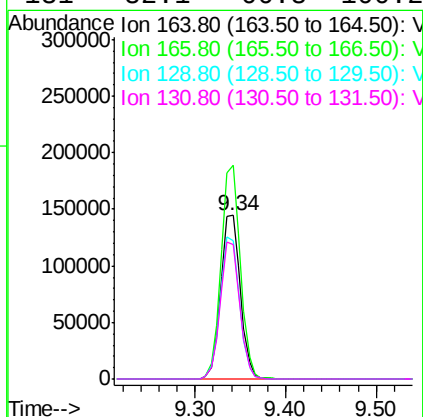
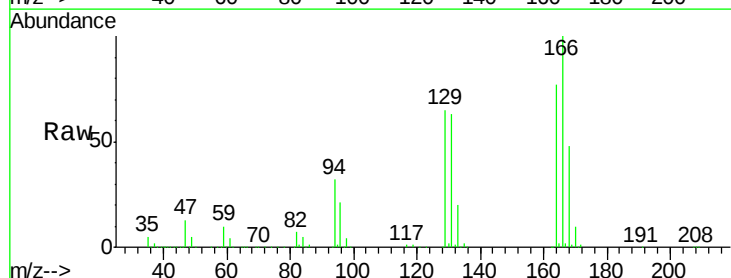
Instrument :
MSVOA_X
ClientSampleId :

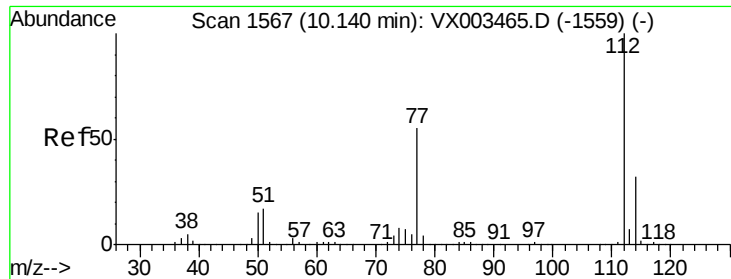
Tot Ion:117 Resp: 336733
Ion Ratio Lower Upper
117 100
82 50.4 45.0 67.4
119 31.7 25.8 38.6



#64
Tetrachloroethene
Concen: 53.34 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion:164 Resp: 218828
Ion Ratio Lower Upper
164 100
166 130.5 102.9 154.3
129 84.2 68.6 102.8
131 82.1 66.8 100.2

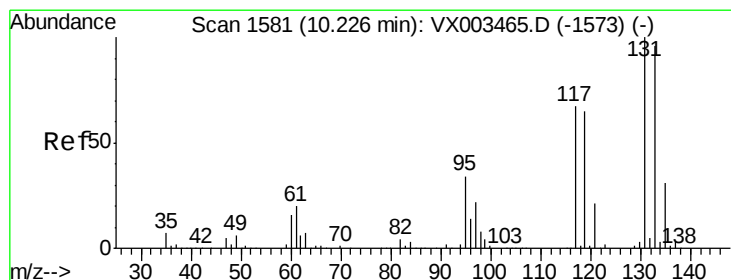
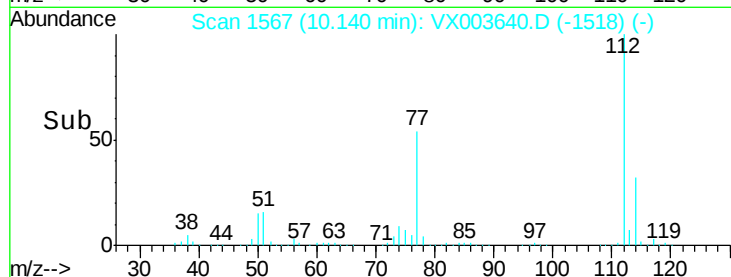
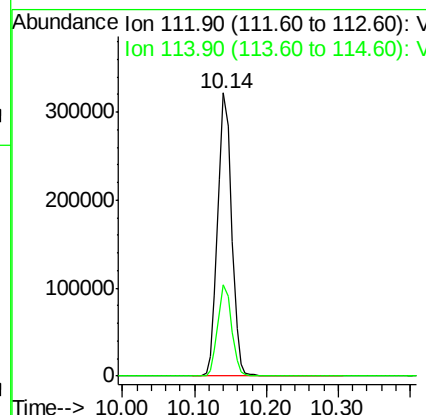
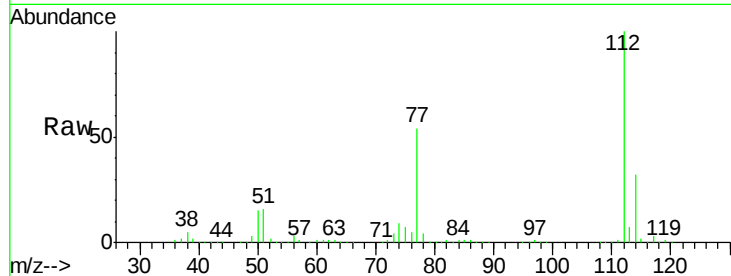




#65
Chlorobenzene
Concen: 49.85 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

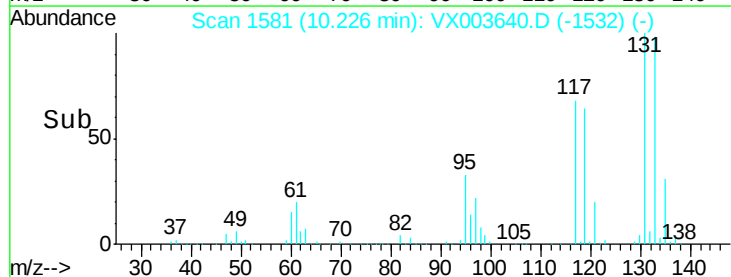
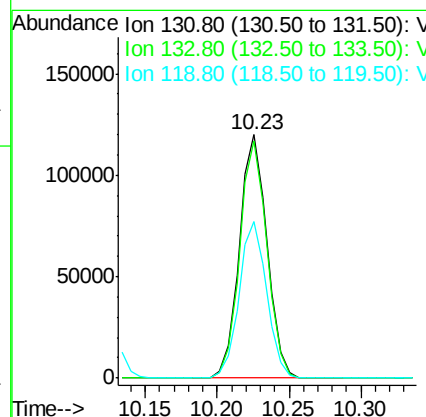
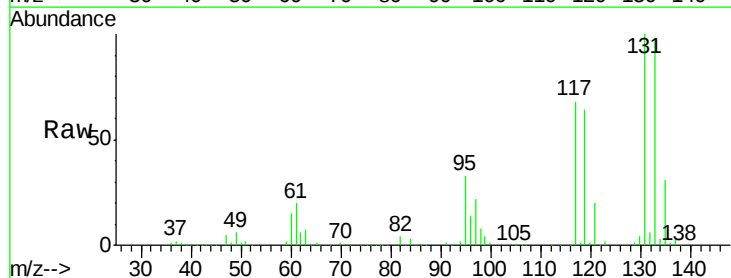
Instrument :
MSVOA_X
ClientSampleId :

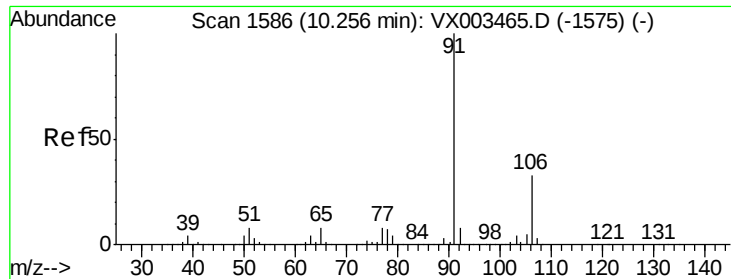
Tot Ion:112 Resp: 432533
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 53.64 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion:131 Resp: 160125
Ion Ratio Lower Upper
131 100
133 96.1 47.9 143.6
119 64.3 31.8 95.3

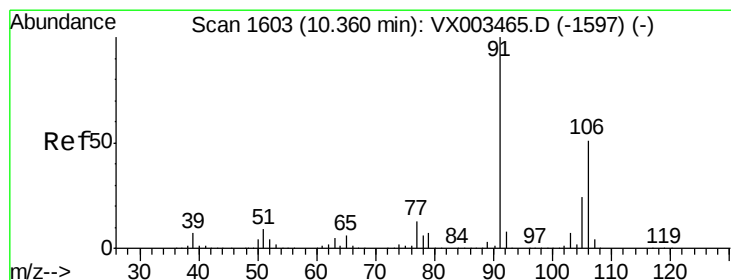
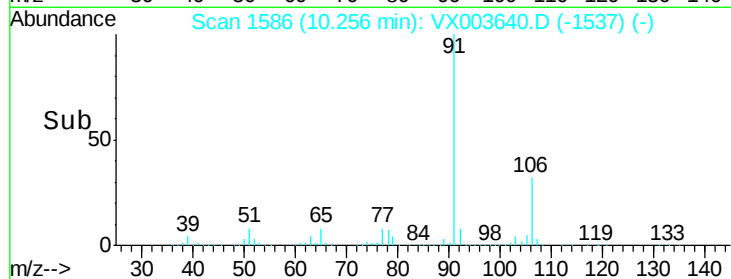
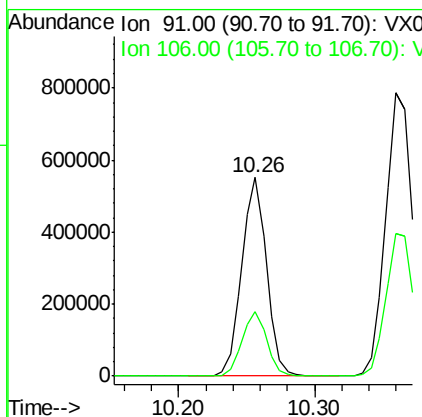
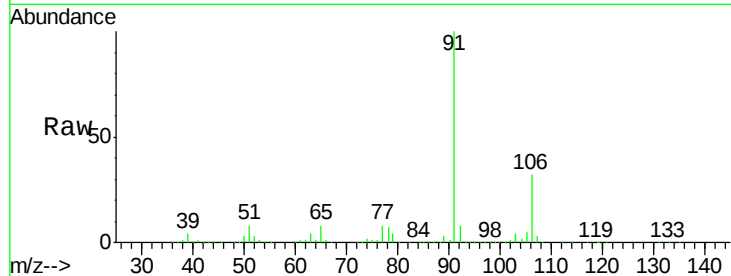




#67
Ethyl Benzene
Concen: 50.19 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

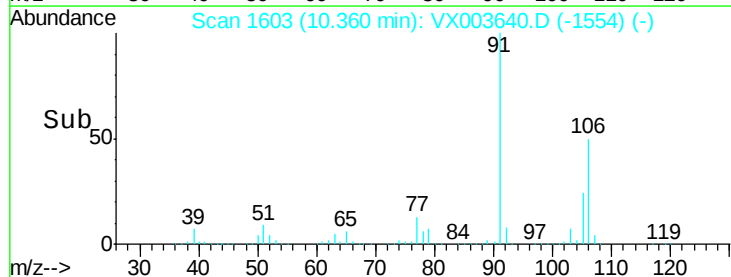
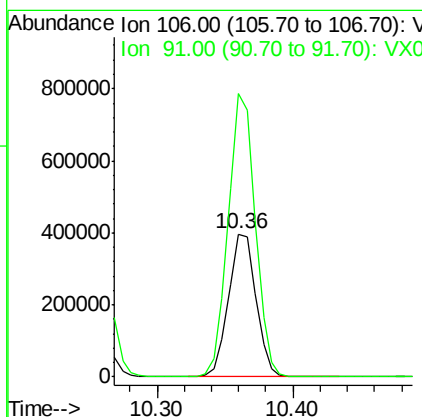
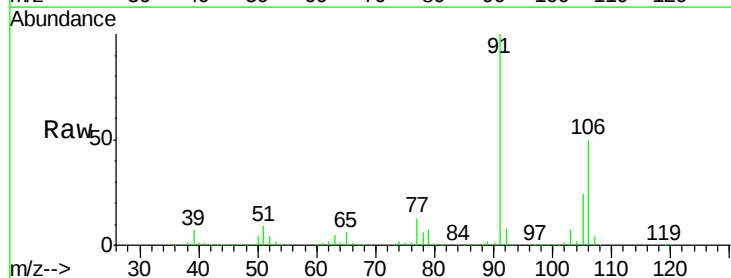
Instrument :
MSVOA_X
ClientSampled :

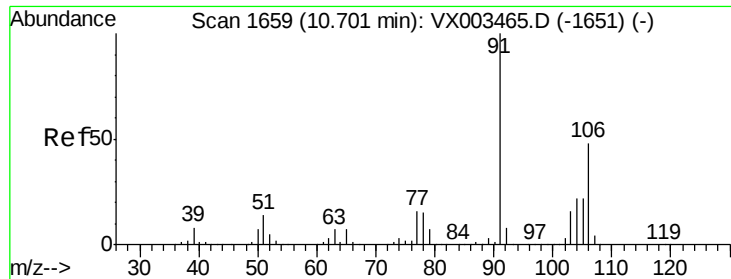
Tot Ion: 91 Resp: 700110
Ion Ratio Lower Upper
91 100
106 32.4 25.5 38.3



#68
m/p-Xylenes
Concen: 102.26 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion: 106 Resp: 559231
Ion Ratio Lower Upper
106 100
91 195.5 163.4 245.2

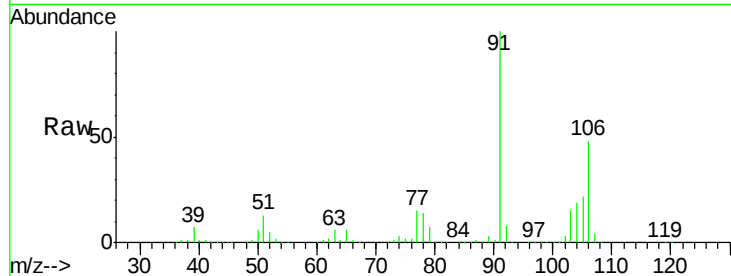




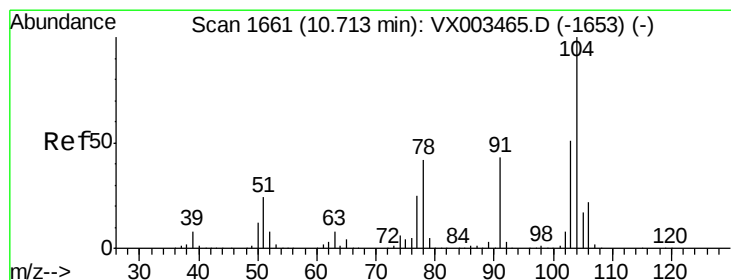
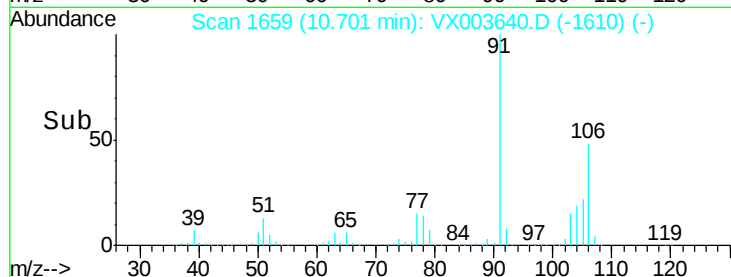
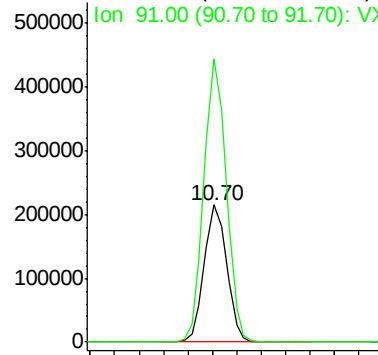
#69
o-Xylene
Concen: 51.62 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 272968
Ion Ratio Lower Upper
106 100
91 205.4 108.2 324.6

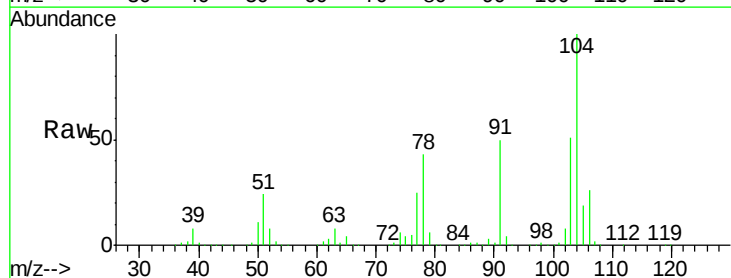


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

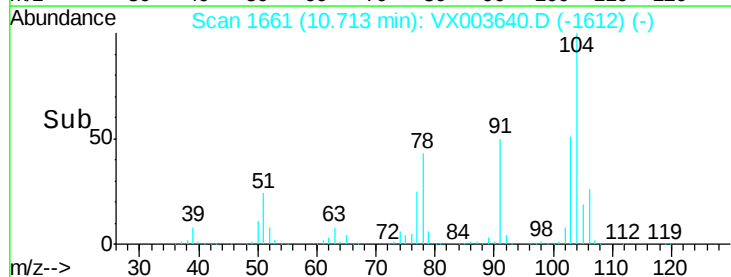
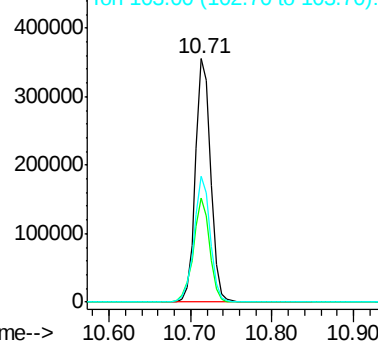


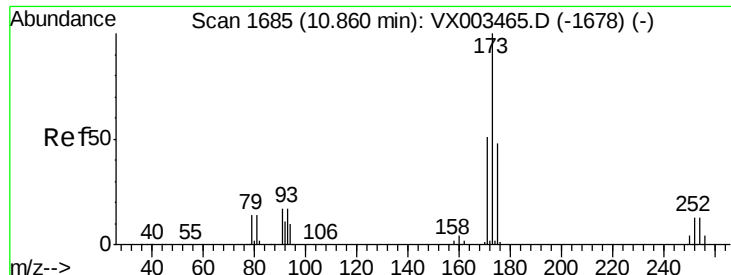
#70
Styrene
Concen: 53.12 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion:104 Resp: 462079
Ion Ratio Lower Upper
104 100
78 45.7 41.0 61.6
103 55.0 44.2 66.4



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: 57.39 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampled :

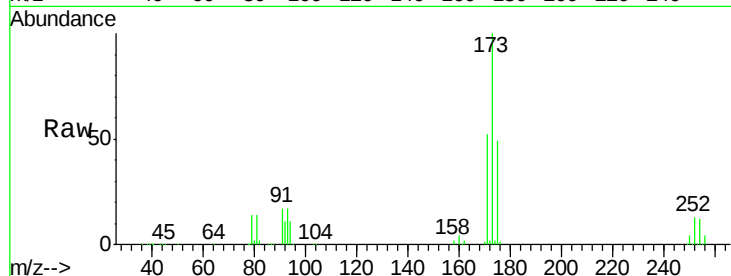
Tot Ion:173 Resp: 133097

Ion Ratio Lower Upper

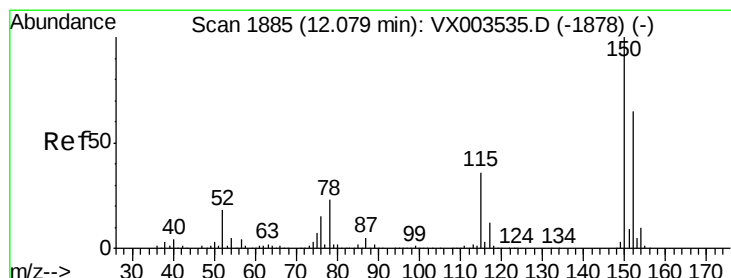
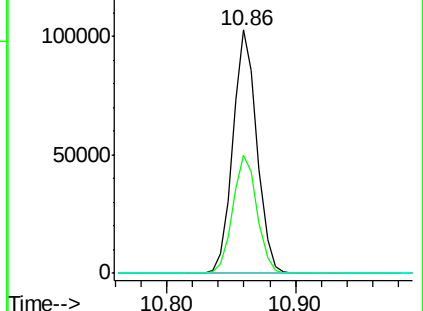
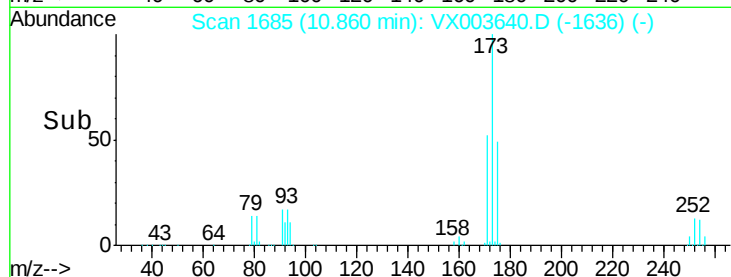
173 100

175 49.0 24.7 74.1

254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

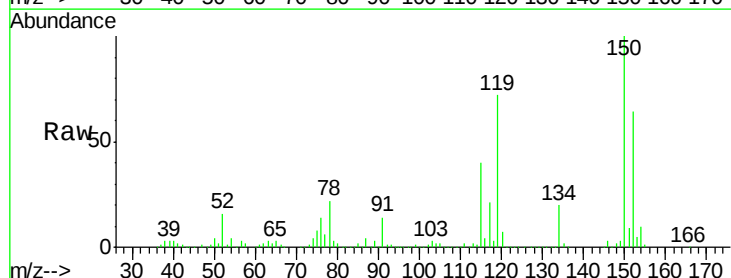
Tgt Ion:152 Resp: 210807

Ion Ratio Lower Upper

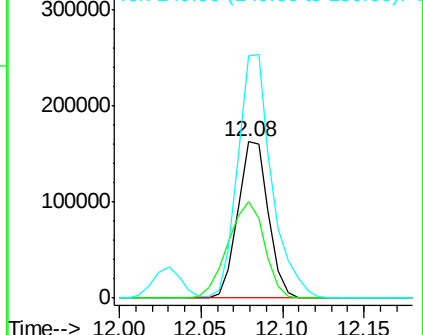
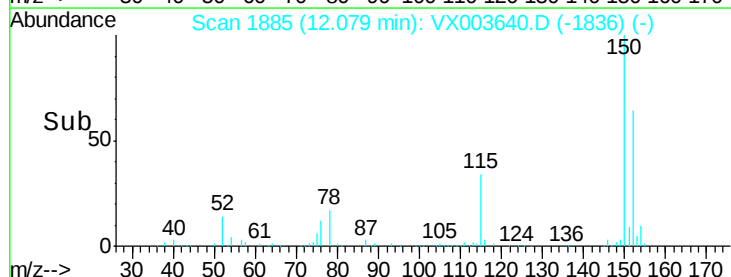
152 100

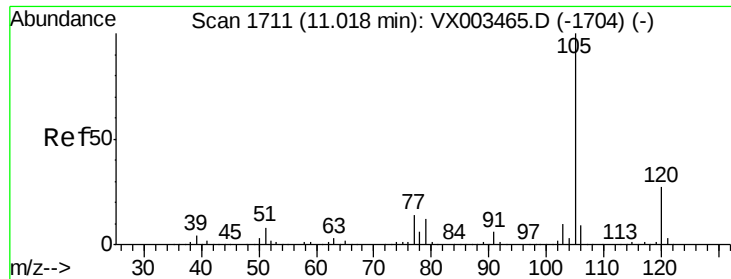
115 74.3 40.1 120.2

150 173.7 0.0 347.2



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





#73

Isopropylbenzene

Concen: 49.81 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

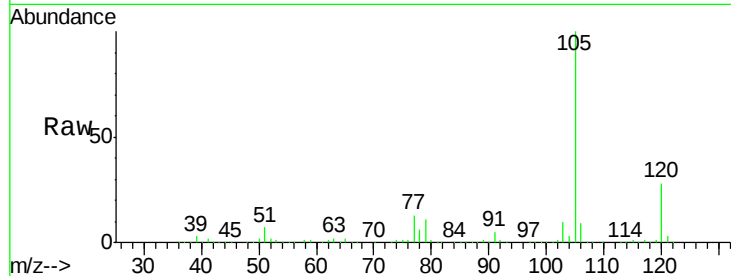
ClientSampleId :

Tot Ion:105 Resp: 726195

Ion Ratio Lower Upper

105 100

120 27.4 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

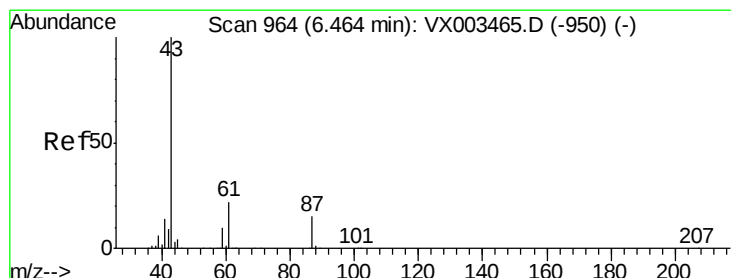
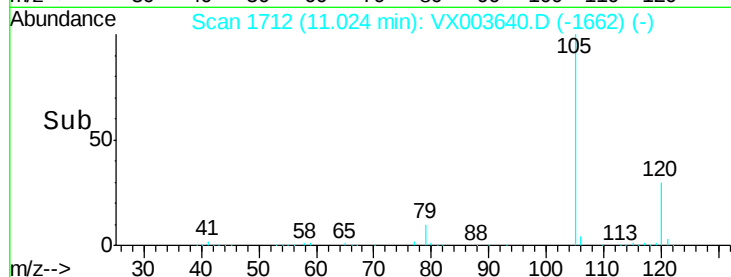
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 46.26 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Tgt Ion: 43 Resp: 286359

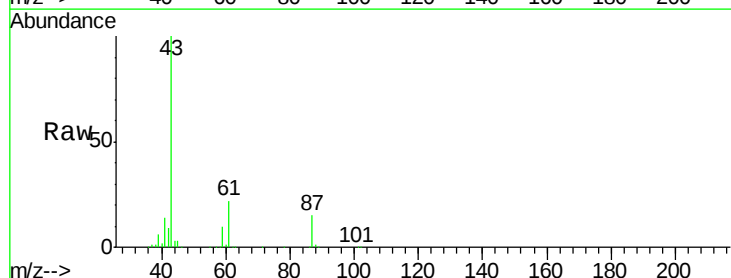
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 22.1 14.4 21.6#



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

6.47

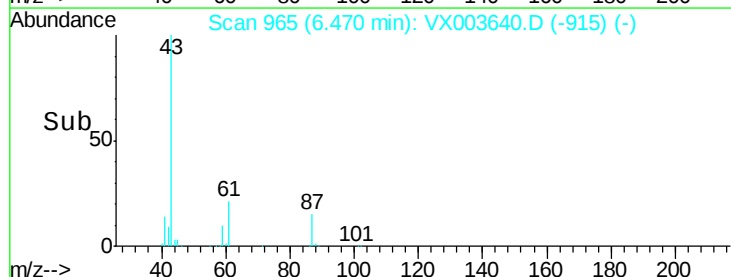
150000

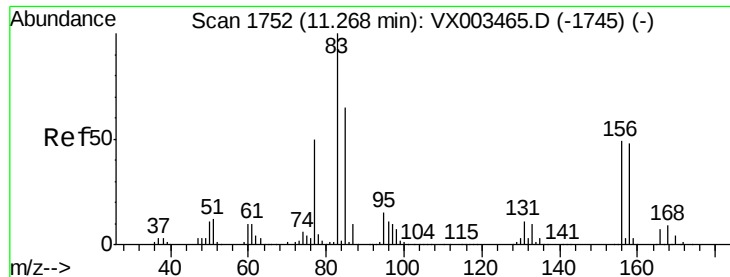
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.92 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

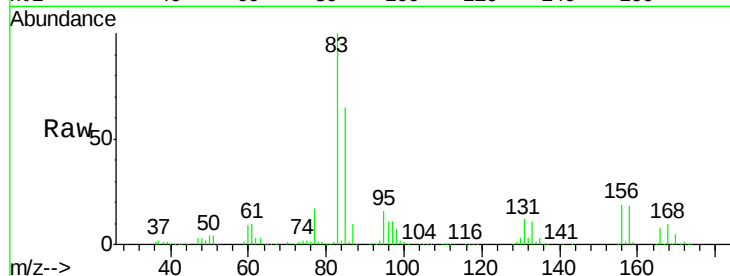
Tot Ion: 83 Resp: 213281

Ion Ratio Lower Upper

83 100

131 11.5 5.6 16.8

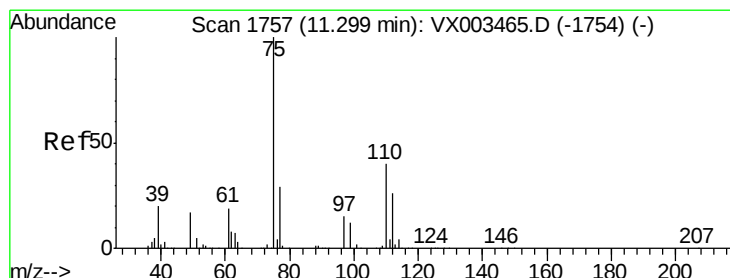
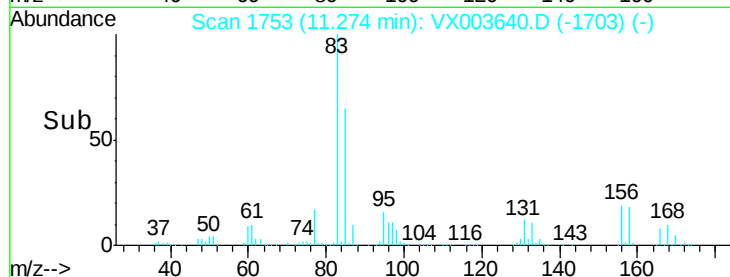
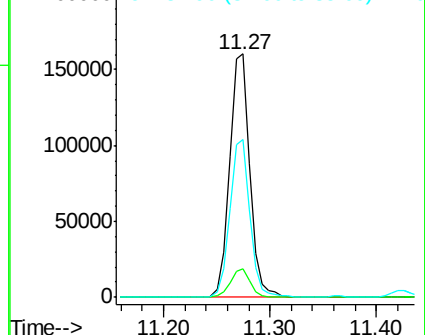
85 64.6 32.4 97.2



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: 60.80 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003640.D

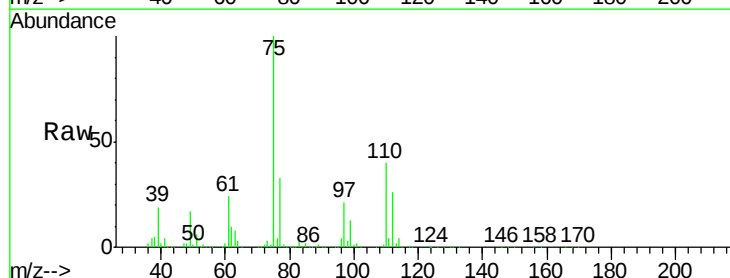
Acq: 24 Jul 2018 08:29

Tgt Ion: 75 Resp: 230245

Ion Ratio Lower Upper

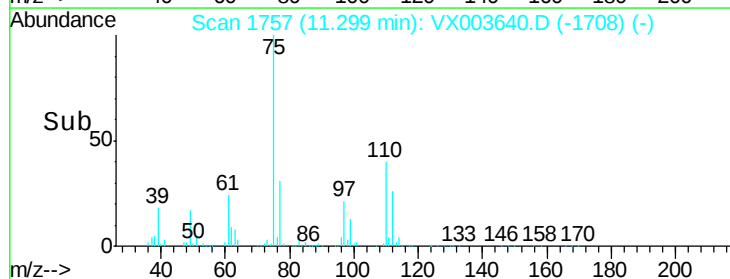
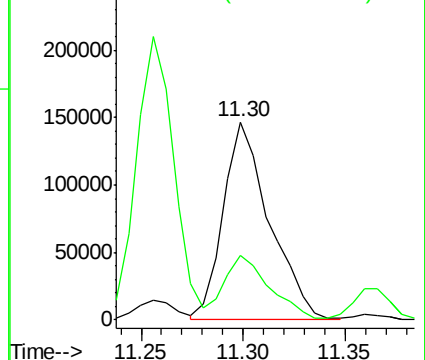
75 100

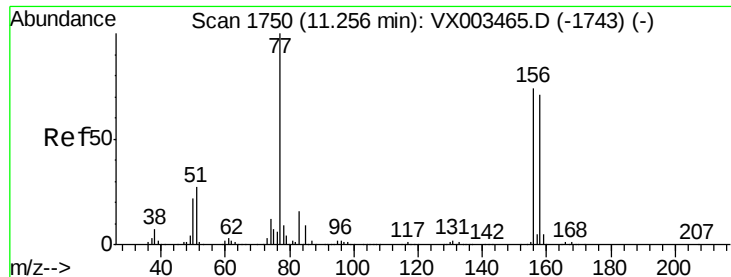
77 32.3 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.90 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

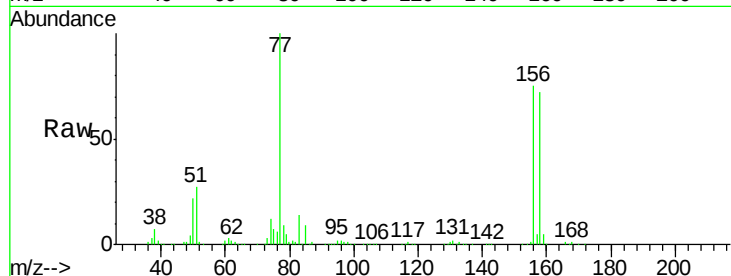
Tot Ion:156 Resp: 209251

Ion Ratio Lower Upper

156 100

77 128.4 71.4 214.2

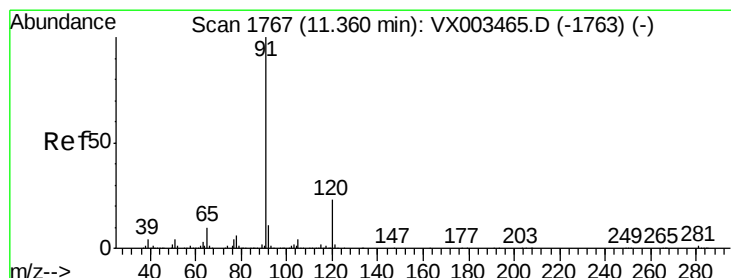
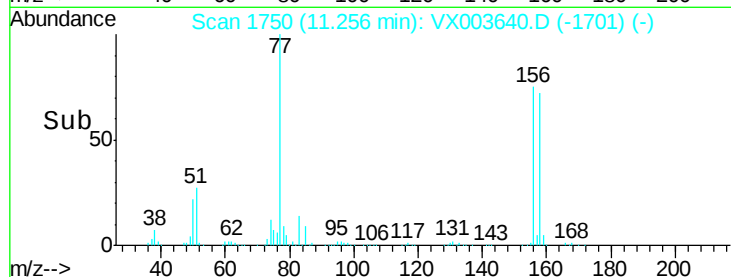
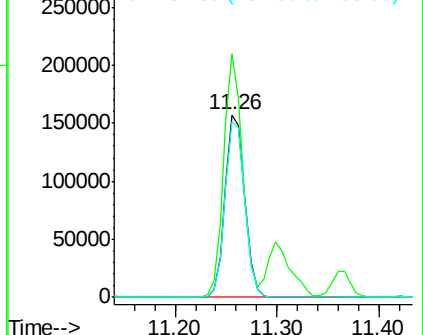
158 97.5 48.9 146.6



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: 49.28 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.01 min

Lab File: VX003640.D

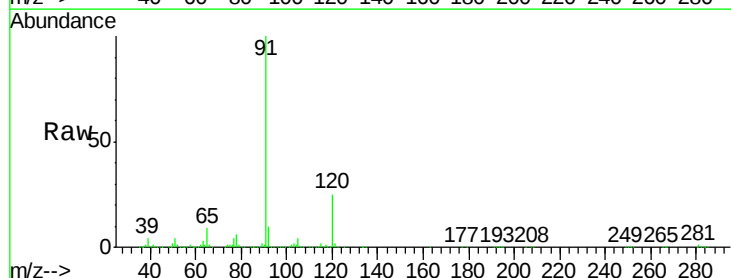
Acq: 24 Jul 2018 08:29

Tgt Ion: 91 Resp: 798613

Ion Ratio Lower Upper

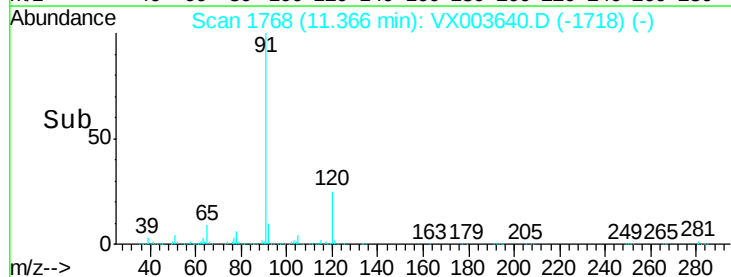
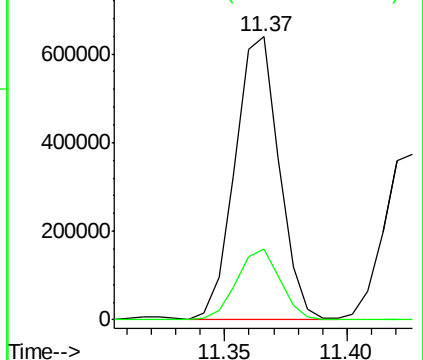
91 100

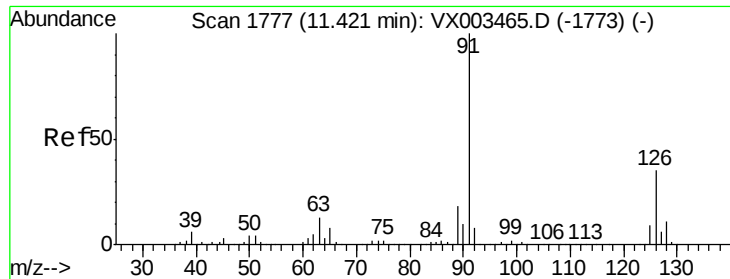
120 24.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.69 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

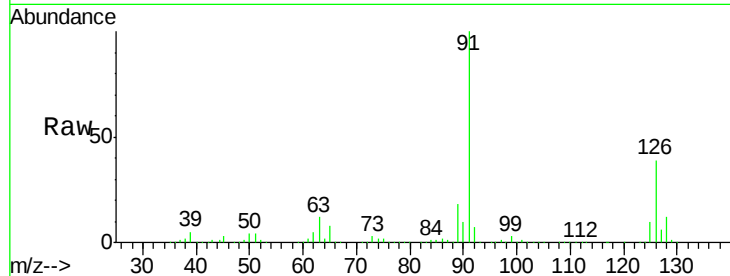
ClientSampleId :

Tot Ion: 91 Resp: 479073

Ion Ratio Lower Upper

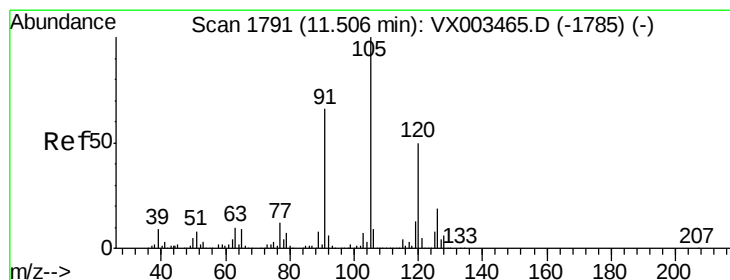
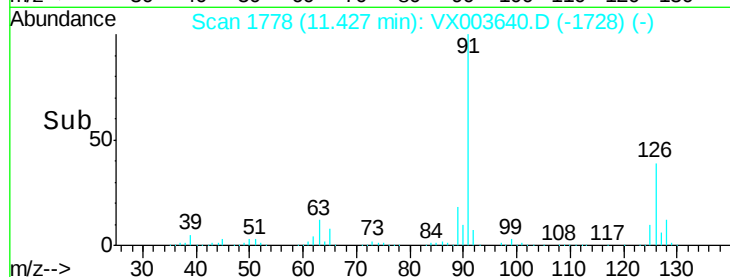
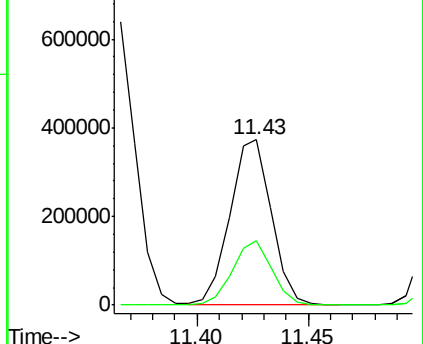
91 100

126 37.6 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX003465.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003465.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.29 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX003640.D

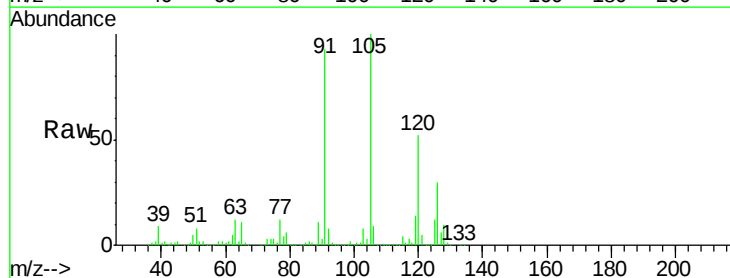
Acq: 24 Jul 2018 08:29

Tgt Ion: 105 Resp: 602587

Ion Ratio Lower Upper

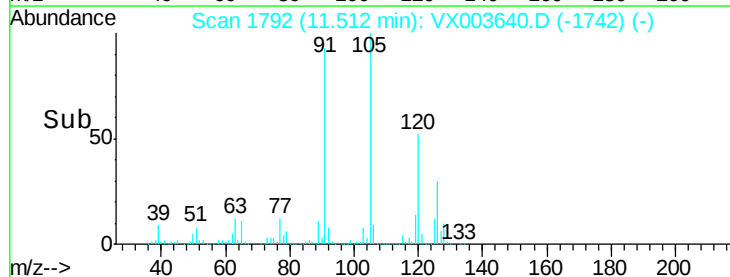
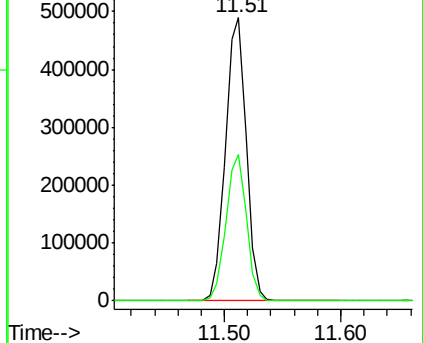
105 100

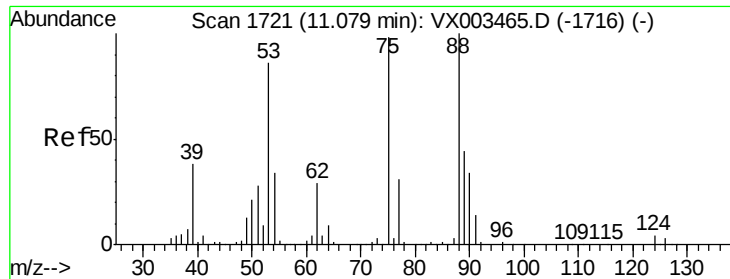
120 50.8 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003465.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX003465.D (-1785) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 34.16 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

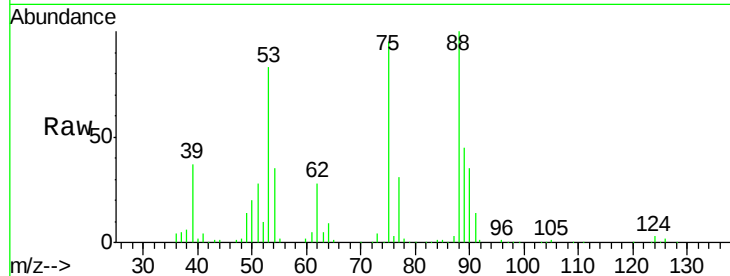
Tot Ion: 75 Resp: 44496

Ion Ratio Lower Upper

75 100

53 90.5 86.8 130.2

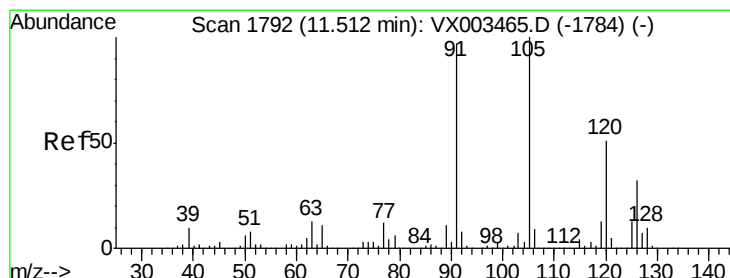
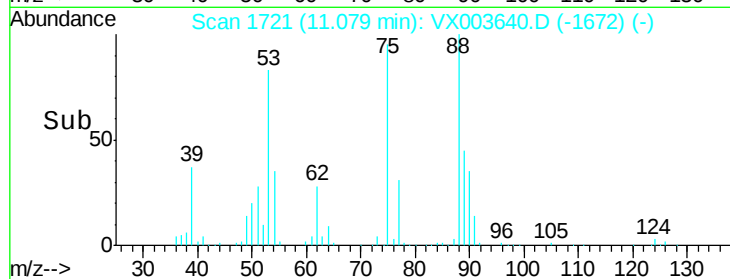
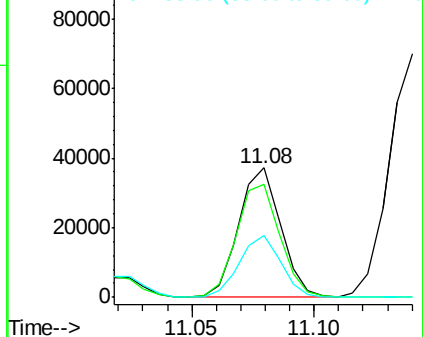
89 47.3 38.2 57.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 48.57 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003640.D

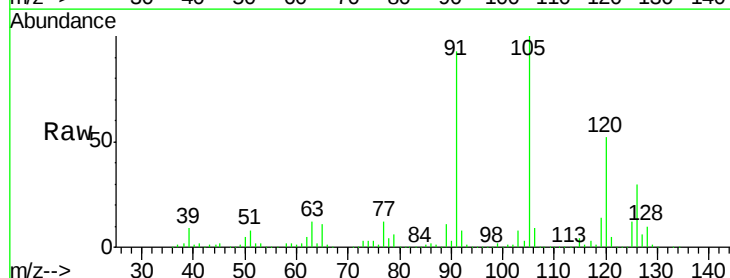
Acq: 24 Jul 2018 08:29

Tgt Ion: 91 Resp: 559930

Ion Ratio Lower Upper

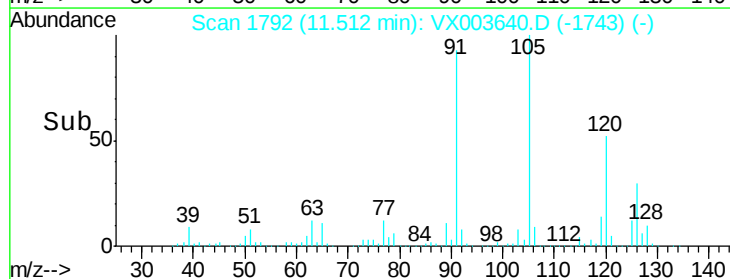
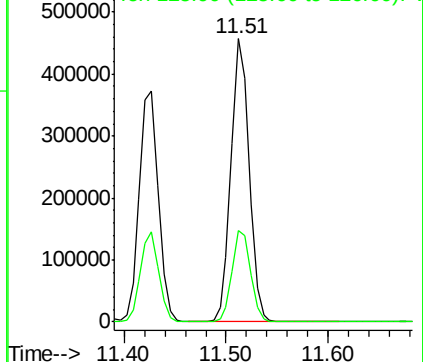
91 100

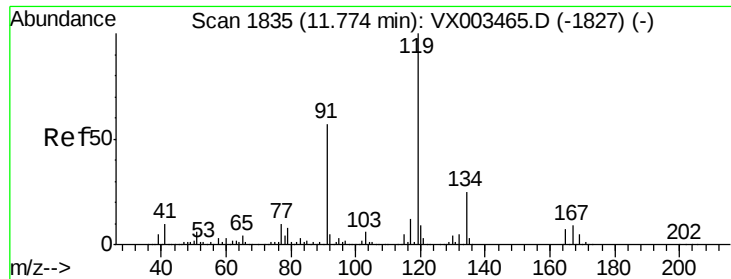
126 32.8 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

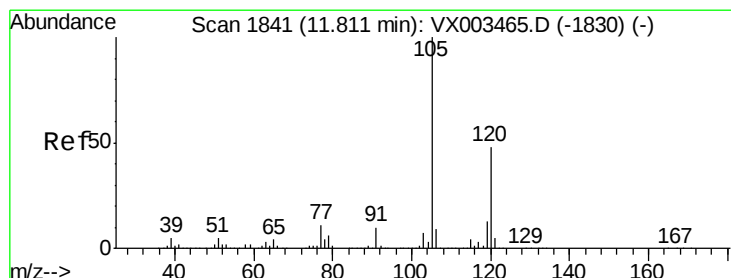
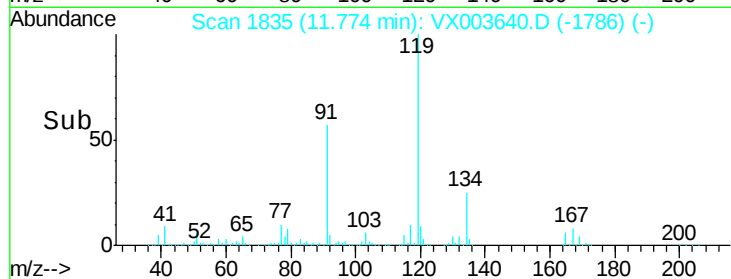
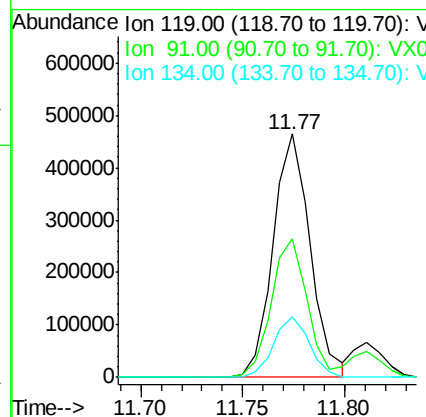
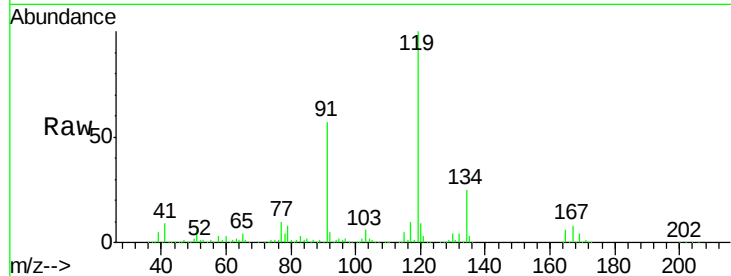




#83
tert-Butylbenzene
Concen: 50.15 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

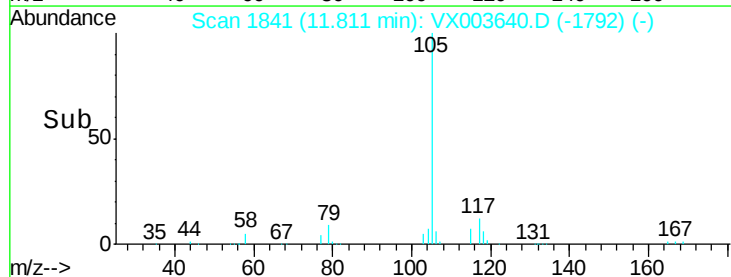
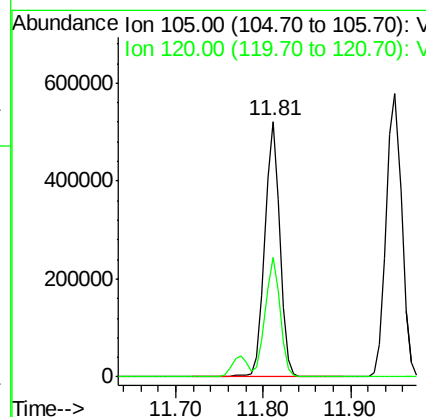
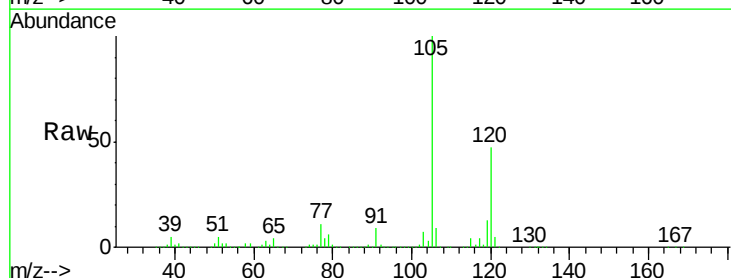
Instrument :
MSVOA_X
ClientSampled :

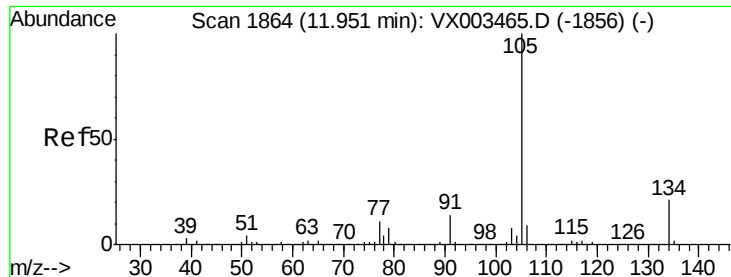
Tot Ion:119 Resp: 588515
Ion Ratio Lower Upper
119 100
91 55.8 30.3 90.9
134 24.1 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 50.83 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion:105 Resp: 619747
Ion Ratio Lower Upper
105 100
120 46.8 22.3 66.8





#85

sec-Butylbenzene

Concen: 49.75 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

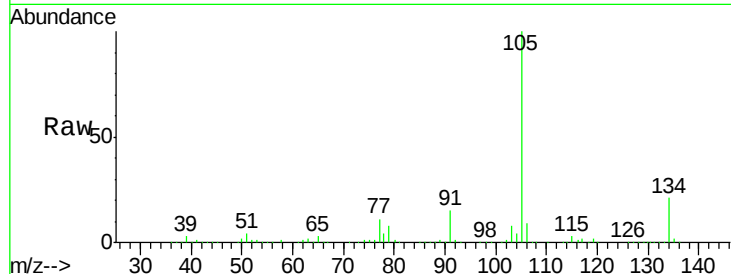
ClientSampleId :

Tot Ion:105 Resp: 709057

Ion Ratio Lower Upper

105 100

134 21.4 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

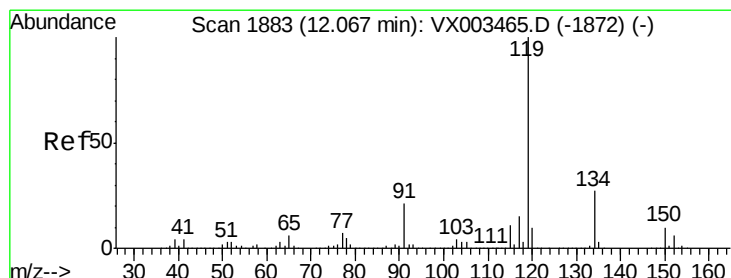
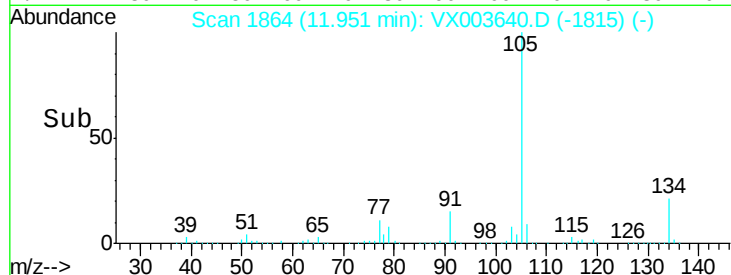
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.78 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

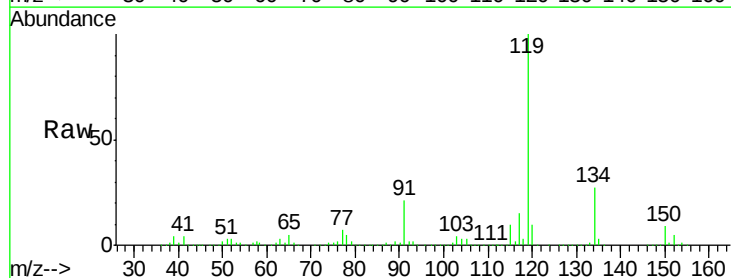
Tgt Ion:119 Resp: 649506

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 21.0 11.9 35.7



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): V

12.07

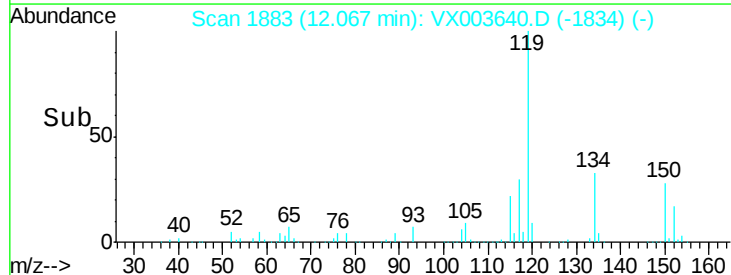
600000

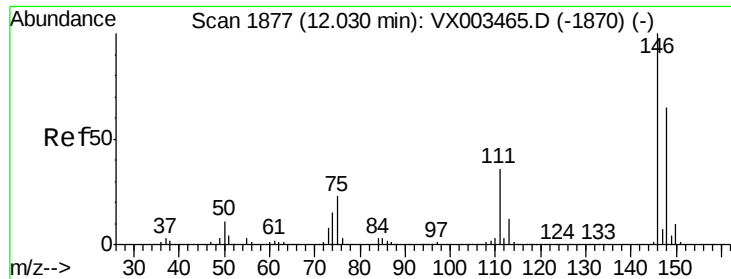
400000

200000

0

Time-->

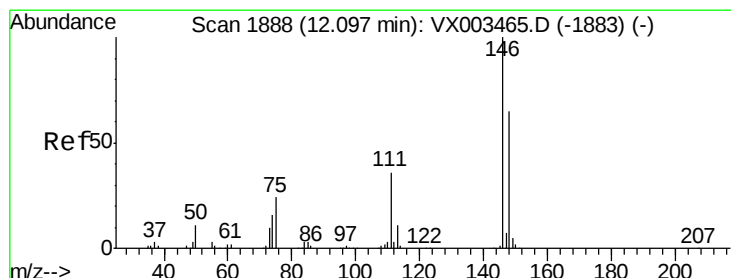
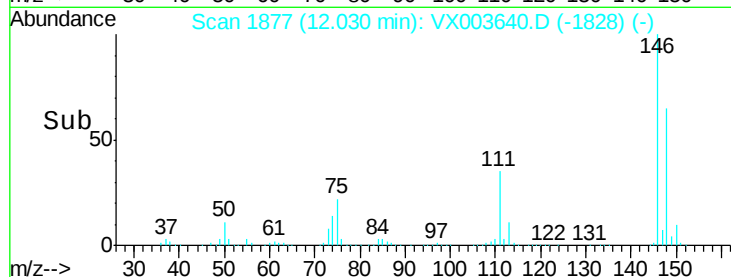
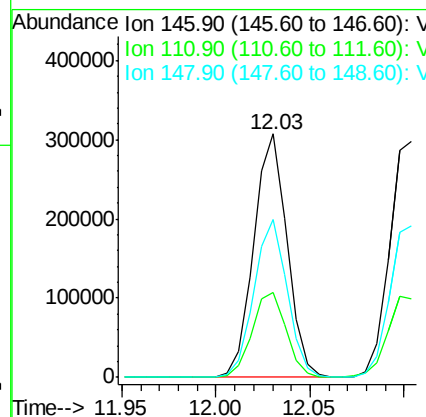
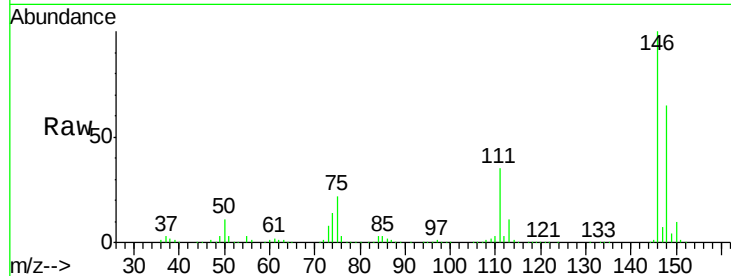




#87
 1,3-Dichlorobenzene
 Concen: 48.76 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

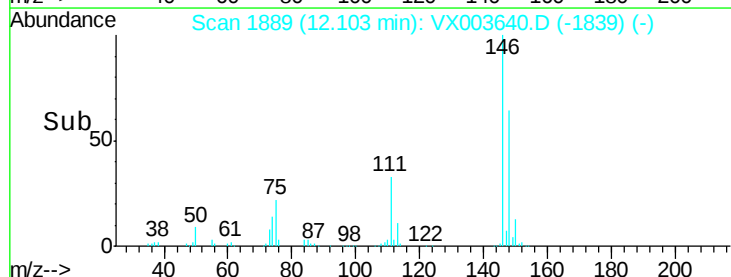
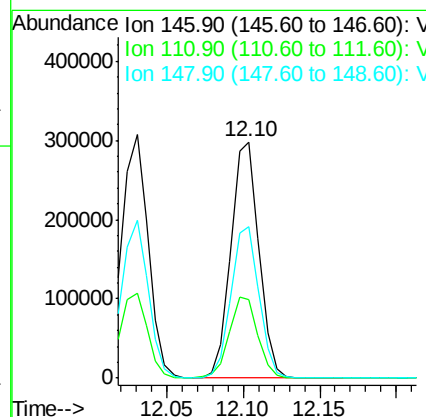
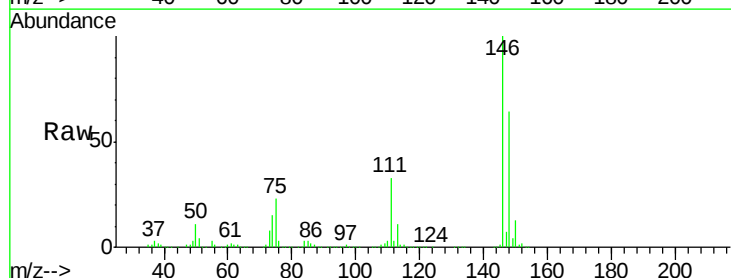
Instrument :
 MSVOA_X
 ClientSampleId :

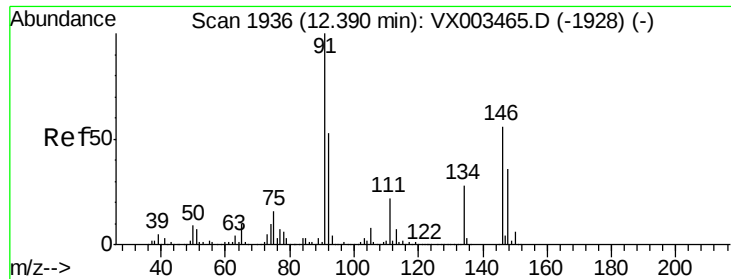
Tot Ion:146 Resp: 375872
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.9 56.7
 148 64.5 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 47.54 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Tgt Ion:146 Resp: 377478
 Ion Ratio Lower Upper
 146 100
 111 35.0 18.7 56.1
 148 64.3 32.4 97.0

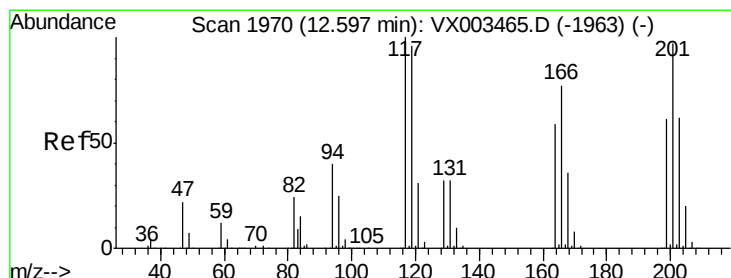
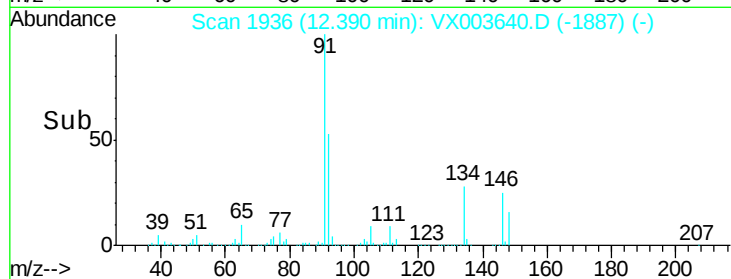
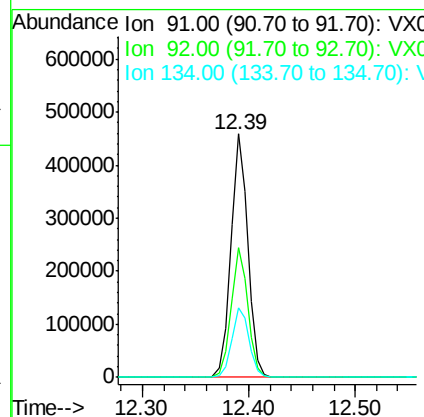
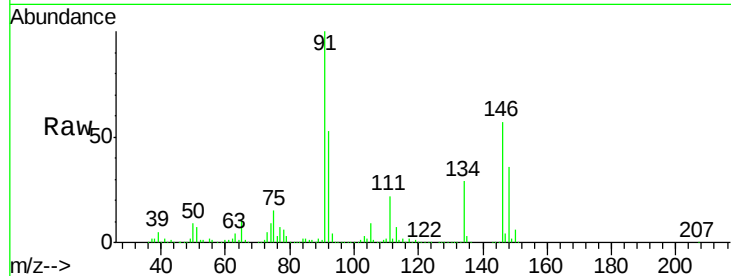




#89
n-Butylbenzene
Concen: 46.85 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

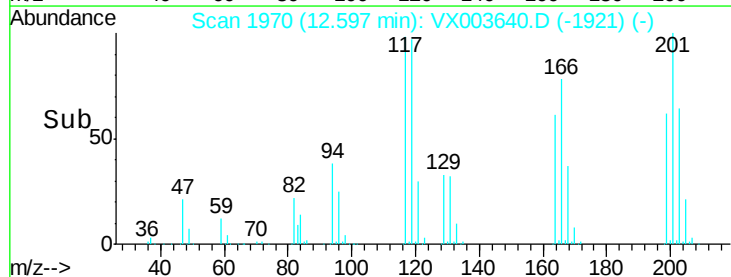
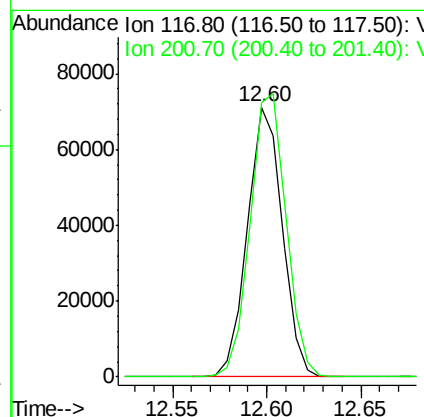
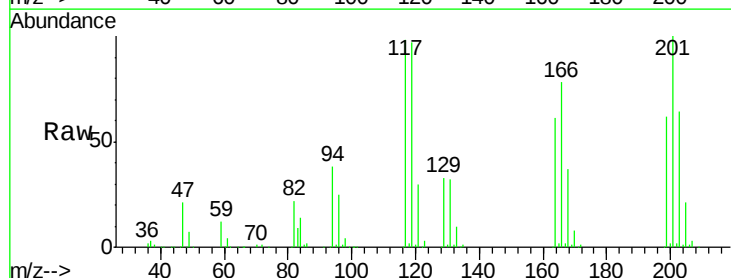
Instrument :
MSVOA_X
ClientSampled :

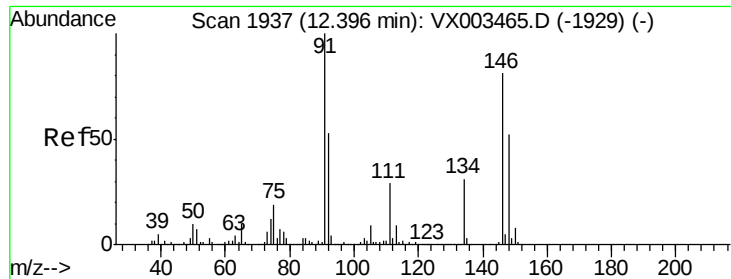
Tot Ion: 91 Resp: 508802
Ion Ratio Lower Upper
91 100
92 52.9 26.0 78.0
134 29.1 13.5 40.5



#90
Hexachloroethane
Concen: 50.20 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion: 117 Resp: 91271
Ion Ratio Lower Upper
117 100
201 108.2 49.0 147.0





#91

1,2-Dichlorobenzene

Concen: 50.20 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

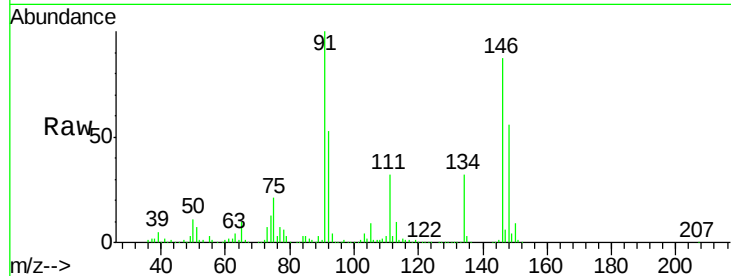
Tot Ion:146 Resp: 381388

Ion Ratio Lower Upper

146 100

111 37.3 19.4 58.1

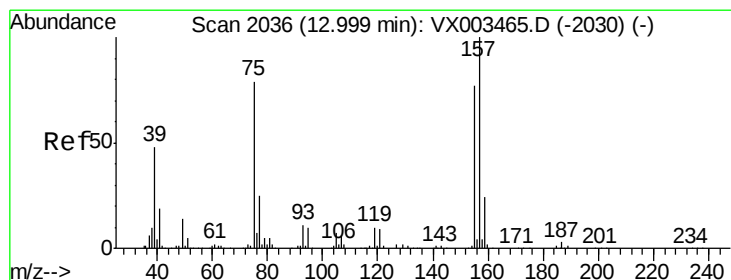
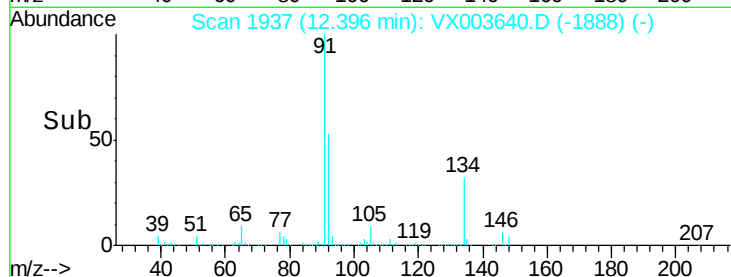
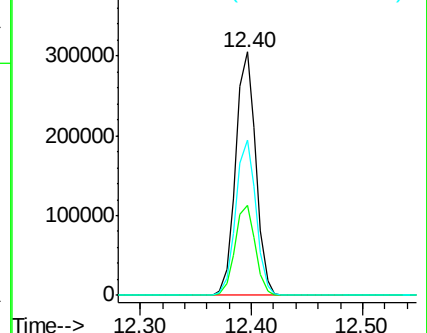
148 64.3 31.7 95.1



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: 52.72 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

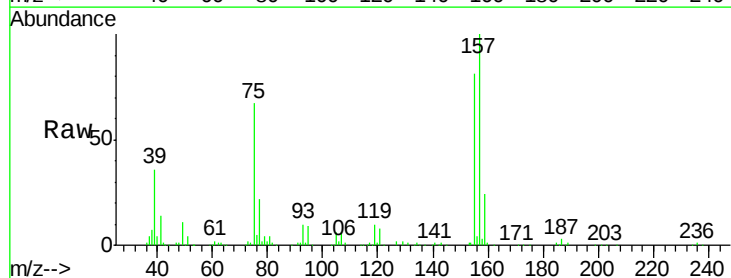
Tgt Ion: 75 Resp: 43832

Ion Ratio Lower Upper

75 100

155 112.6 45.8 137.4

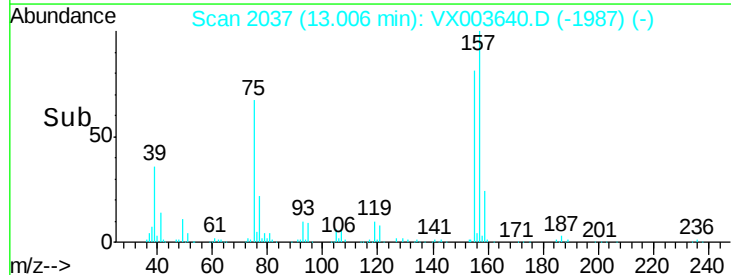
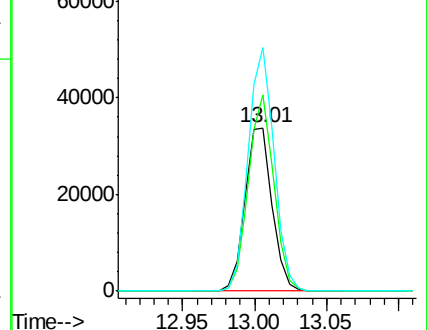
157 142.5 60.1 180.3

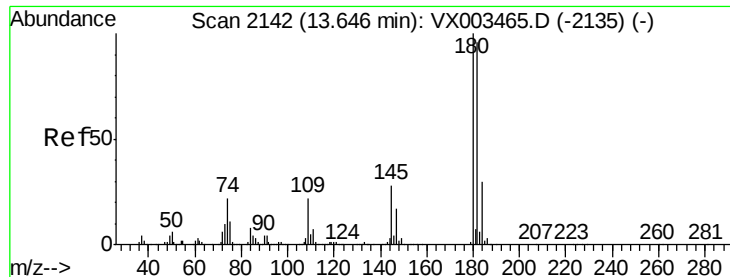


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

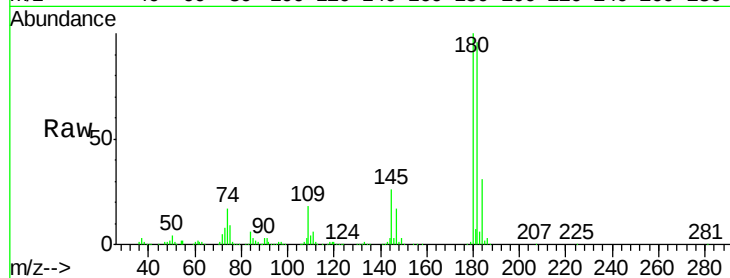




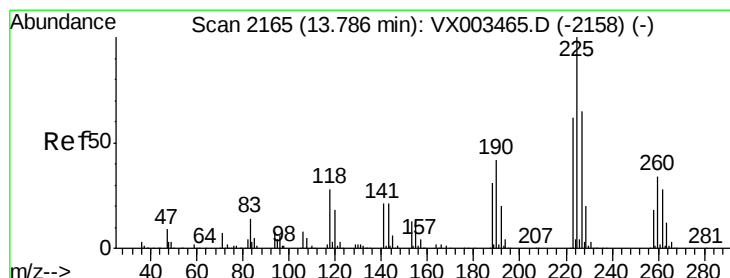
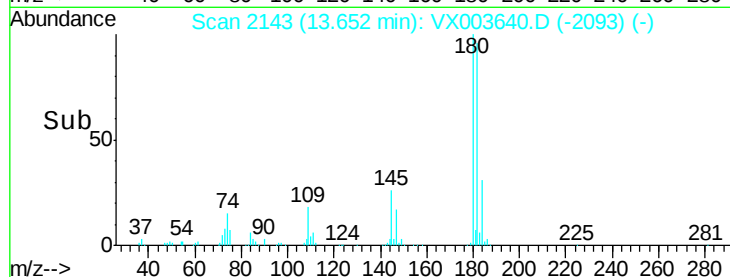
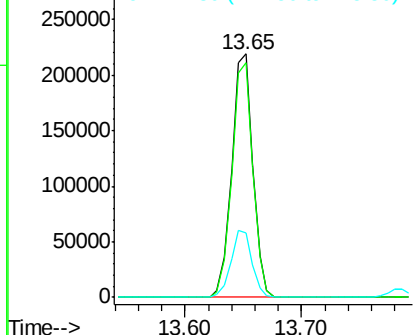
#93
 1,2,4-Trichlorobenzene
 Concen: 49.50 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 275622
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.7 143.1
 145 27.3 14.1 42.4

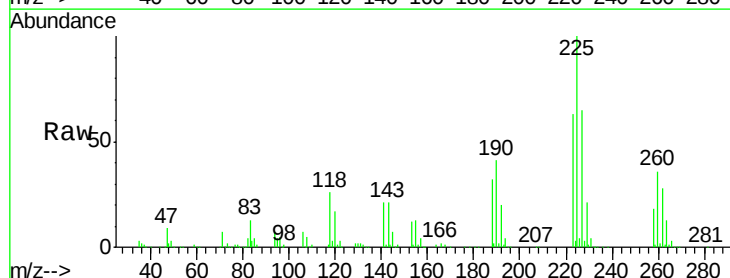


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

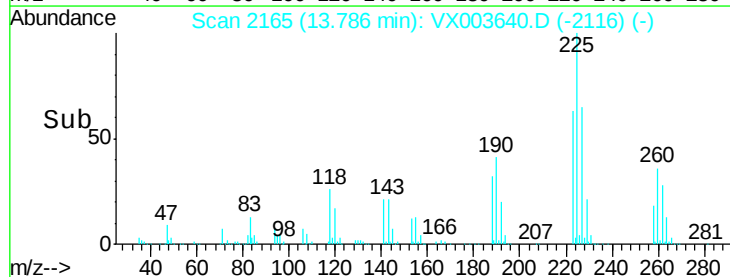
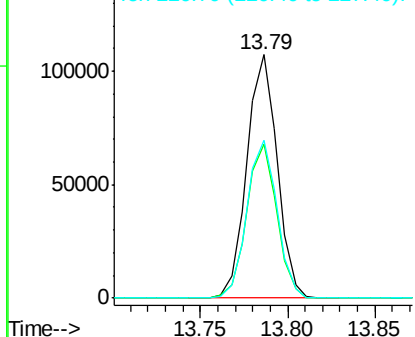


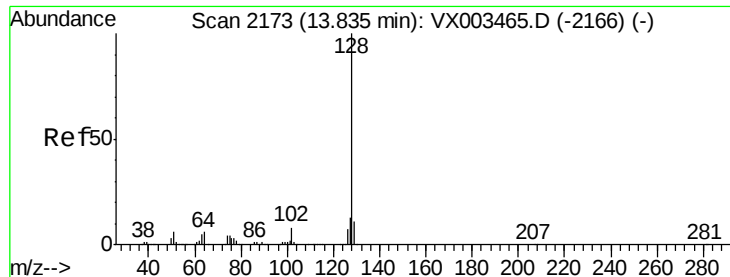
#94
 Hexachlorobutadiene
 Concen: 48.18 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Tgt Ion:225 Resp: 129013
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.6 95.0
 227 64.5 32.4 97.2



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: 54.26 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

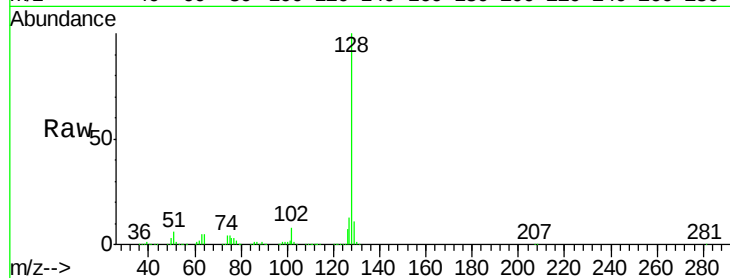
Tot Ion:128 Resp: 793805

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

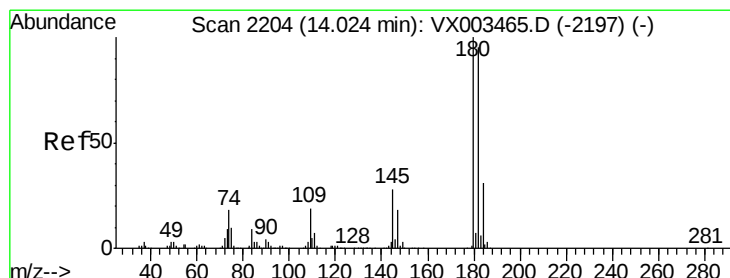
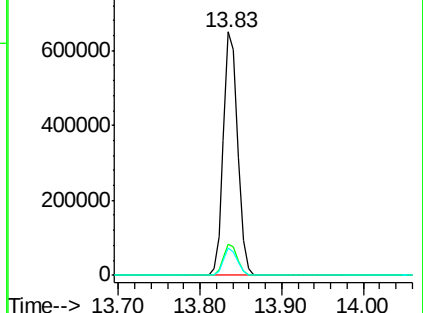
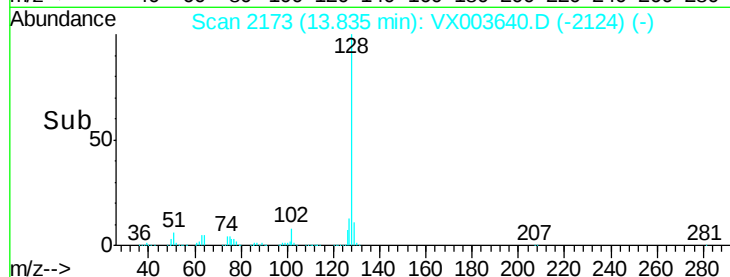
129 10.9 8.6 13.0



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: 51.82 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

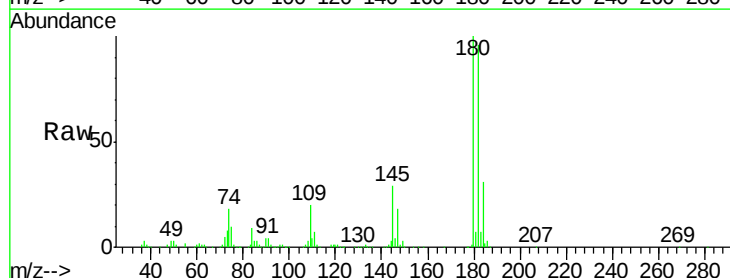
Tgt Ion:180 Resp: 285621

Ion Ratio Lower Upper

180 100

182 95.8 48.0 144.0

145 28.7 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

