

Data File : VW003739.D
Acq On : 06 Jul 2018 14:06
Operator : SY/AP
Sample : VSTD05084
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

Quant Time: Jul 06 15:00:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070618S.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 06 11:18:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	397395	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	379849	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	195846	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	241964	44.90	ug/L	0.00
7) Chloroethane-d5	2.89	69	192513	42.81	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	419819	39.23	ug/L	0.00
20) 2-Butanone-d5	7.09	46	164703	96.98	ug/L	0.00
24) Chloroform-d	7.65	84	485119	46.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	291137	46.87	ug/L	0.00
29) Benzene-d6	8.27	84	939323	46.61	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	293523	46.01	ug/L	0.00
37) Toluene-d8	10.33	98	922630	47.88	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	145049	48.43	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	137121	105.16	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	286682	48.30	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	335151	45.31	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	202491	92.770	ug/L	96
3) Chloromethane	2.21	50	246644	52.601	ug/L	99
5) Vinyl chloride	2.36	62	350424	51.638	ug/L	99
6) Bromomethane	2.78	94	198805	50.350	ug/L	99
8) Chloroethane	2.92	64	198334	47.966	ug/L	96
9) Trichlorofluoromethane	3.25	101	166610	42.804	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	227121	43.216	ug/L	99
12) 1,1-Dichloroethene	4.03	96	220906	44.470	ug/L	96
13) Acetone	4.14	43	181494	100.260	ug/L #	69
14) Carbon disulfide	4.37	76	727132	45.371	ug/L	99
15) Methyl Acetate	4.68	43	130958	44.137	ug/L	100
16) Methylene chloride	4.90	84	238662	43.585	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	422939	46.146	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	233937	45.198	ug/L	98
19) 1,1-Dichloroethane	6.21	63	518500	53.680	ug/L	99
21) 2-Butanone	7.18	43	260889	122.643	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	301585	54.827	ug/L	98
23) Bromochloromethane	7.51	128	134685	52.930	ug/L	97
25) Chloroform	7.68	83	530888	53.461	ug/L	99
27) 1,2-Dichloroethane	8.40	62	388689	54.050	ug/L	100
30) Cyclohexane	7.95	56	514595	58.678	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	425243	50.956	ug/L	100
32) Carbon tetrachloride	8.07	117	427018	52.965	ug/L	99
34) Benzene	8.32	78	1176513	54.316	ug/L	100
35) Trichloroethene	9.09	95	310484	53.183	ug/L	100
36) Methylcyclohexane	9.34	83	561779	56.366	ug/L	99
40) 1,2-Dichloropropane	9.37	63	307747	53.989	ug/L	100
41) Bromodichloromethane	9.65	83	396127	54.067	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	486739	57.217	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	491212	120.624	ug/L	99

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1300600	55.365	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	442682	57.507	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	231479	54.397	ug/L	97
47) Tetrachloroethene	10.87	164	257461	52.480	ug/L	99
49) 2-Hexanone	10.98	43	407047	134.133	ug/L	99
50) Dibromochloromethane	11.13	129	286467	55.299	ug/L	99
51) 1,2-Dibromoethane	11.24	107	230780	54.576	ug/L	100
52) Chlorobenzene	11.66	112	812716	53.277	ug/L	98
53) Ethylbenzene	11.74	91	1491934	56.622	ug/L	99
54) m,p-Xylene	11.85	106	558995	57.121	ug/L	99
55) o-xylene	12.17	106	532998	57.257	ug/L	99
56) Styrene	12.19	104	940519	58.522	ug/L	100
57) Isopropylbenzene	12.47	105	1481664	57.368	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	317658	56.626	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	239273	55.655	ug/L	100
62) Bromoform	12.35	173	181791	55.154	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	643865	53.469	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	665743	52.732	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	610290	53.083	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	56719	56.215	ug/L	98
67) 1,3,5-Trichlorobenzene	14.64	180	496428	53.053	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	414888	54.465	ug/L	100
69) Naphthalene	15.38	128	928626	65.153	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	385431	55.207	ug/L	99

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

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Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

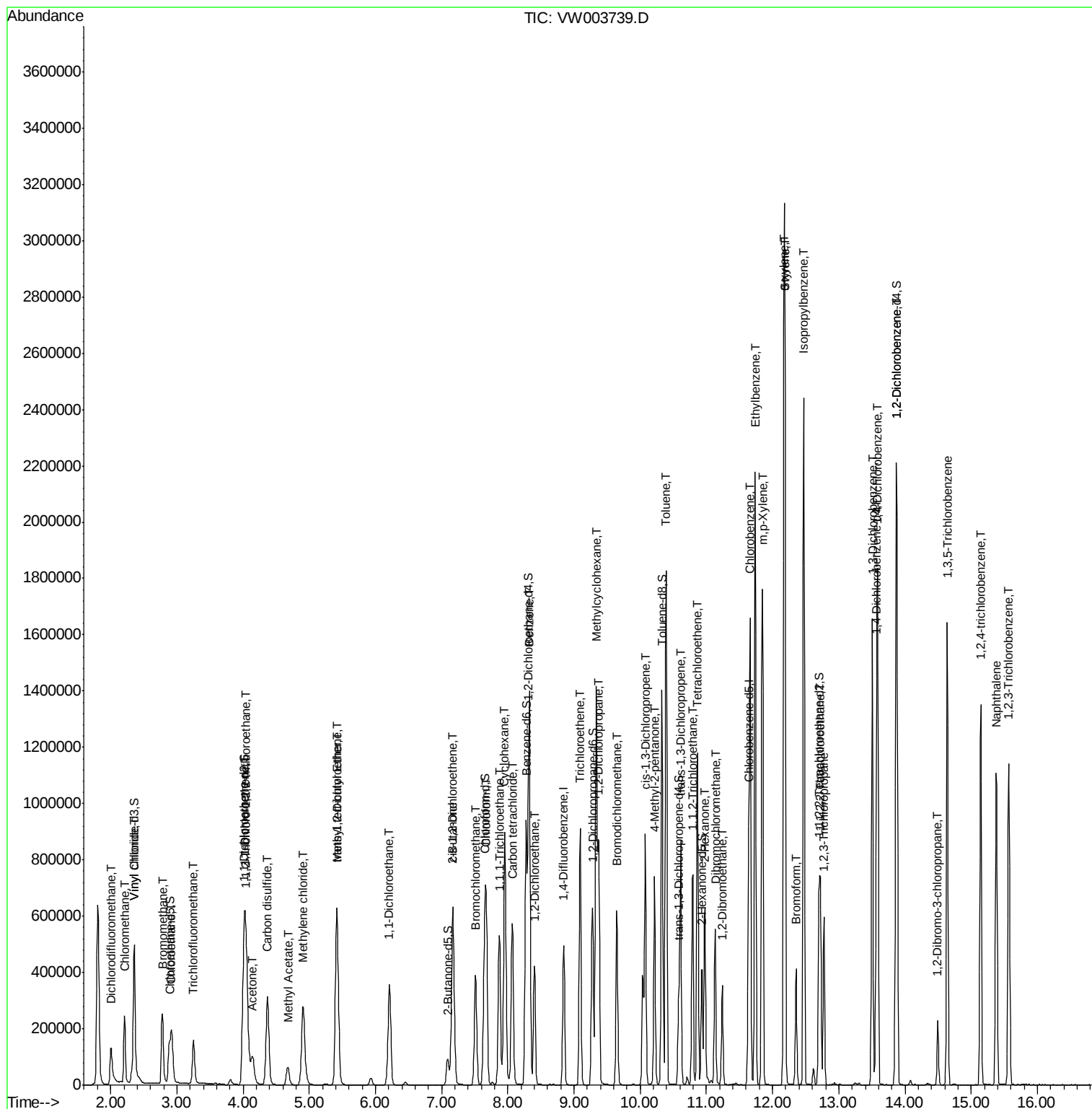
Quant Time: Jul 06 15:00:18 2018

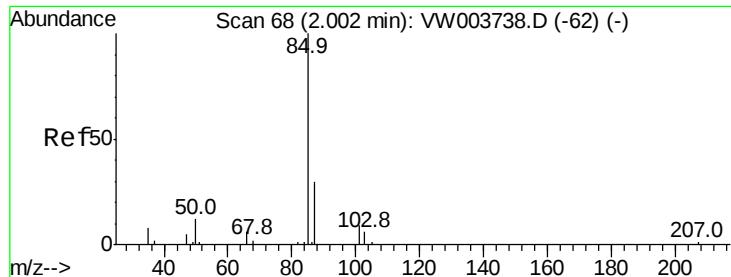
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070618S.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 92.770 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

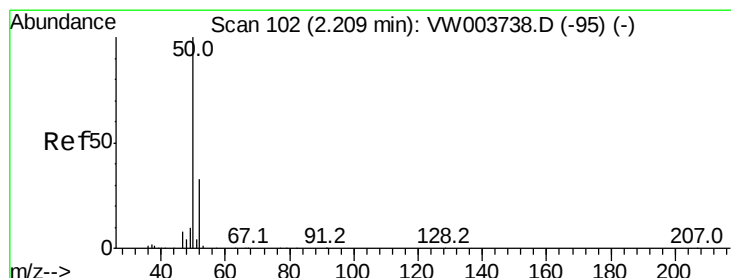
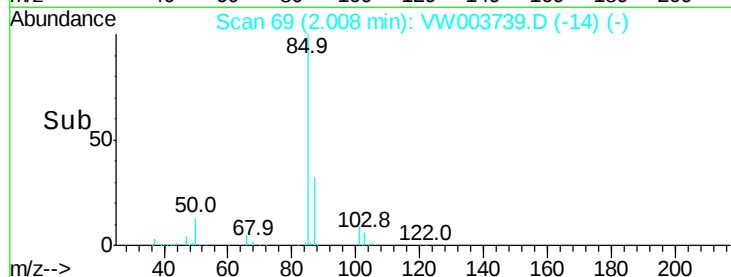
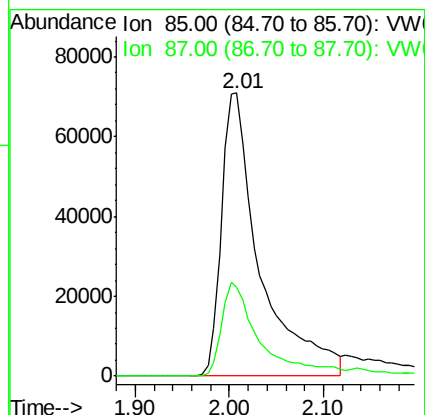
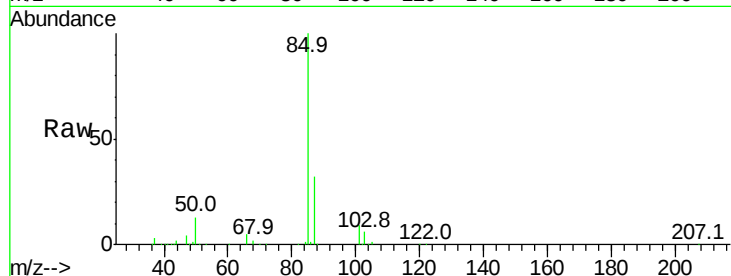
VSTD05084

Tgt Ion: 85 Resp: 202491

Ion Ratio Lower Upper

85 100

87 31.0 23.3 43.3



#3

Chloromethane

Concen: 52.601 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003739.D

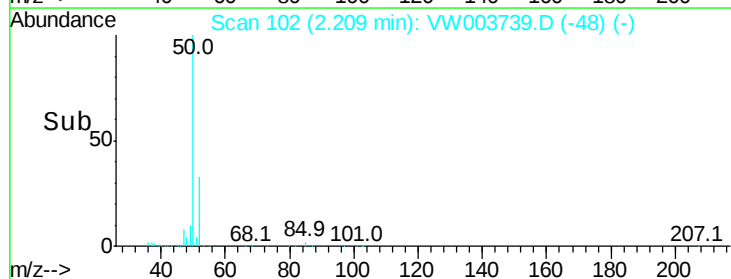
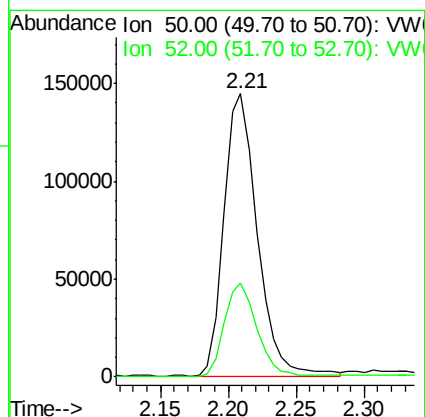
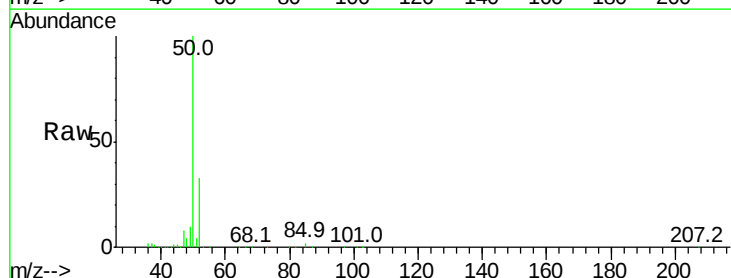
Acq: 06 Jul 2018 14:06

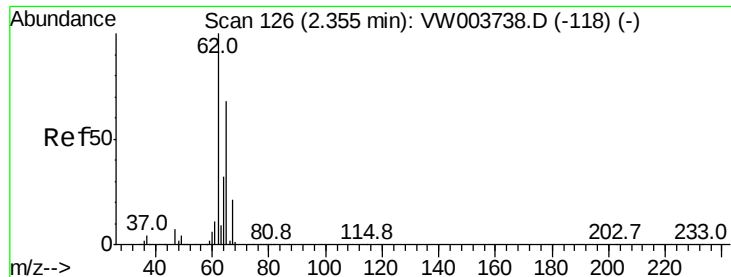
Tgt Ion: 50 Resp: 246644

Ion Ratio Lower Upper

50 100

52 33.3 22.9 42.5





#5

Vinyl chloride

Concen: 51.638 ug/L

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

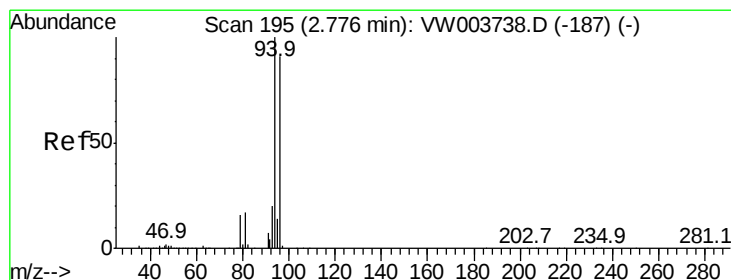
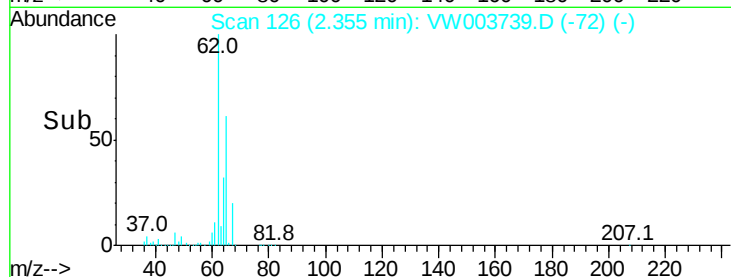
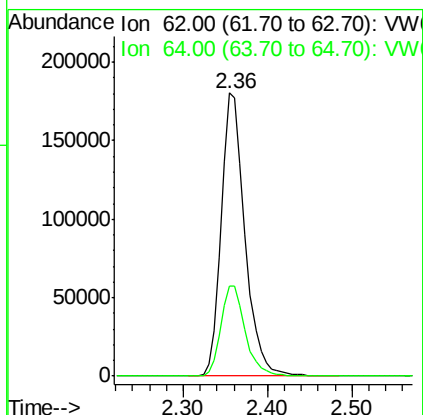
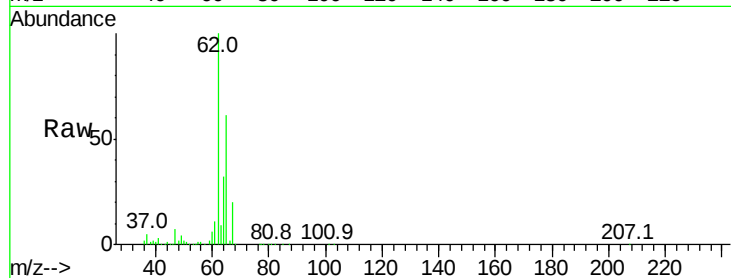
VSTD05084

Tgt Ion: 62 Resp: 350424

Ion Ratio Lower Upper

62 100

64 32.0 22.2 41.2



#6

Bromomethane

Concen: 50.350 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW003739.D

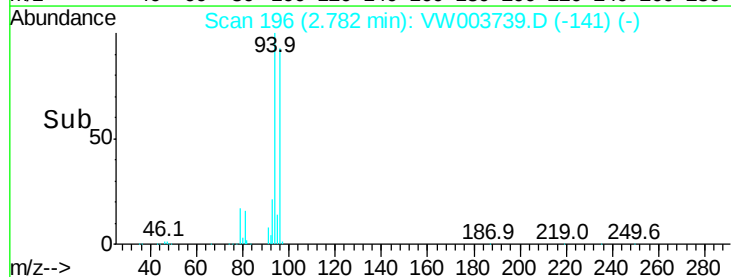
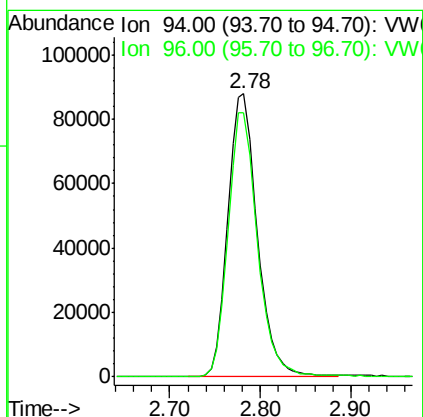
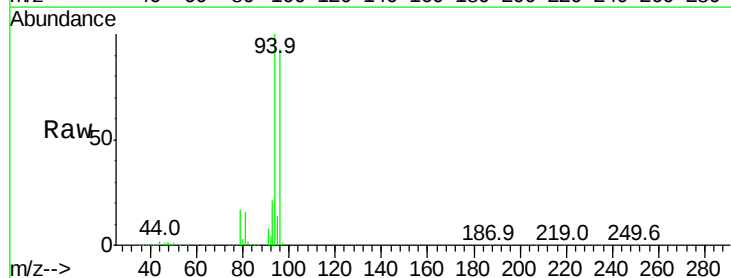
Acq: 06 Jul 2018 14:06

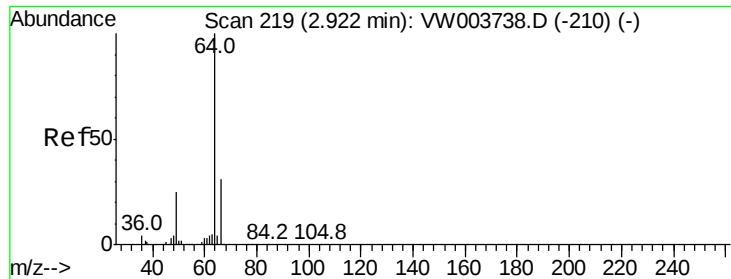
Tgt Ion: 94 Resp: 198805

Ion Ratio Lower Upper

94 100

96 92.5 9.3 177.7

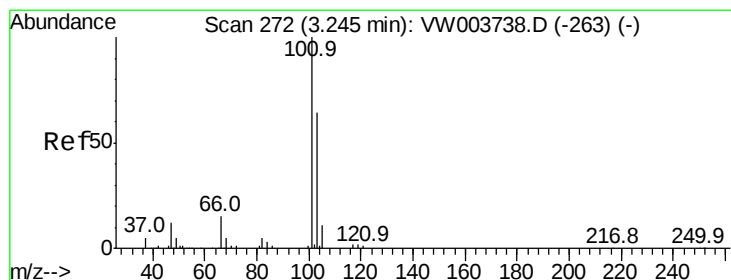
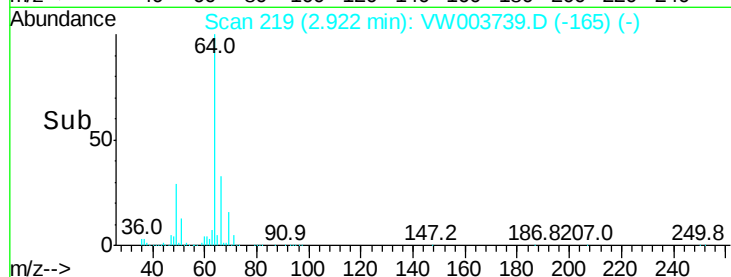
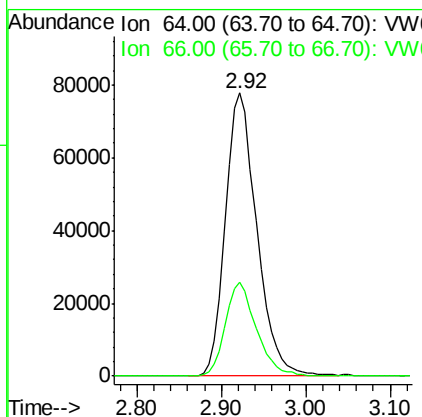
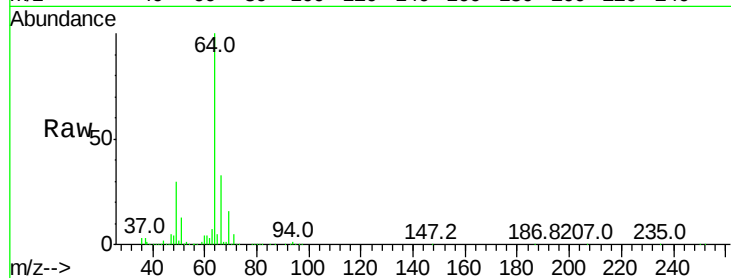




#8
 Chloroethane
 Concen: 47.966 ug/L
 RT: 2.92 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VW003739.D
 Acq: 06 Jul 2018 14:06

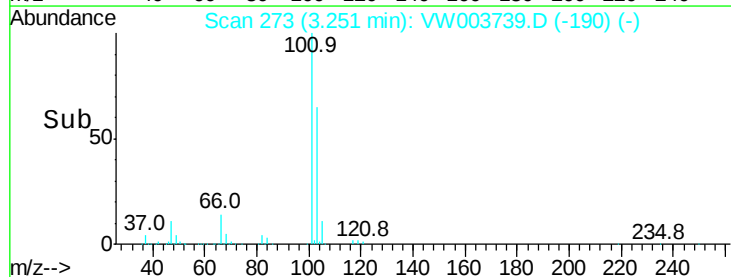
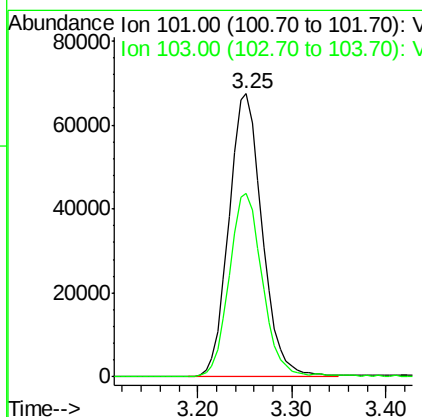
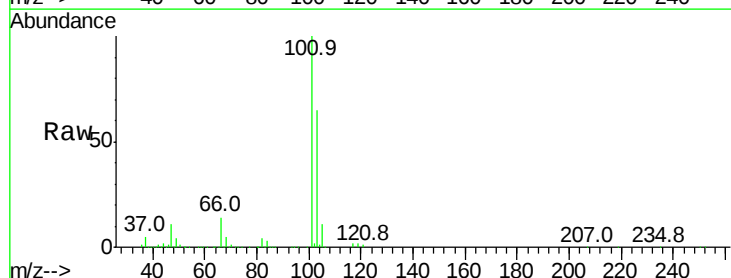
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

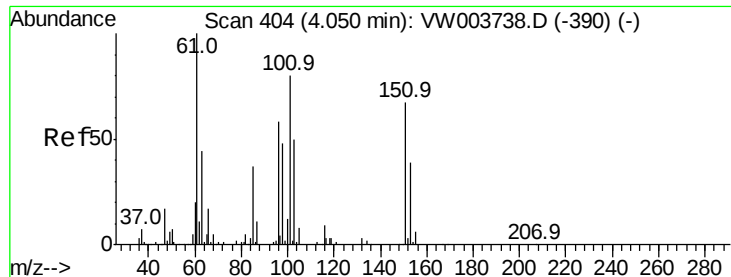
Tgt Ion: 64 Resp: 198334
 Ion Ratio Lower Upper
 64 100
 66 33.0 21.5 39.9



#9
 Trichlorofluoromethane
 Concen: 42.804 ug/L
 RT: 3.25 min Scan# 273
 Delta R.T. 0.01 min
 Lab File: VW003739.D
 Acq: 06 Jul 2018 14:06

Tgt Ion: 101 Resp: 166610
 Ion Ratio Lower Upper
 101 100
 103 64.1 44.9 83.5





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 43.216 ug/L

RT: 4.05 min Scan# 404

Delta R.T. 0.00 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

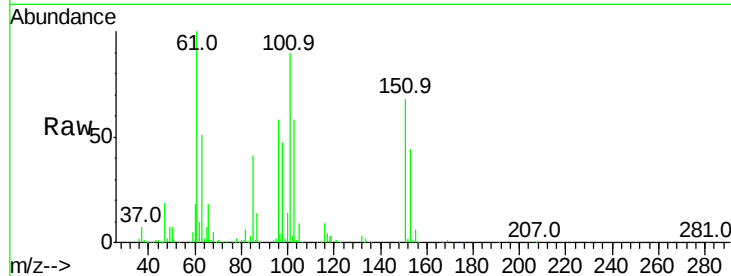
Tgt Ion:101 Resp: 227121

Ion Ratio Lower Upper

101 100

85 45.6 35.5 53.3

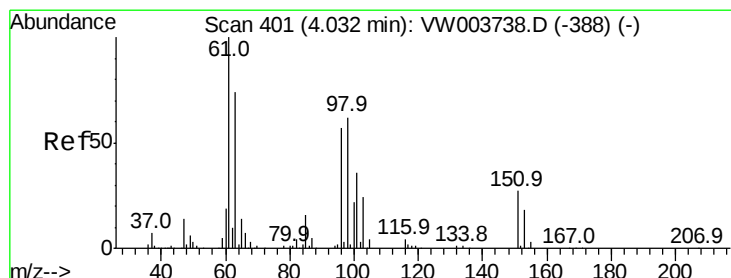
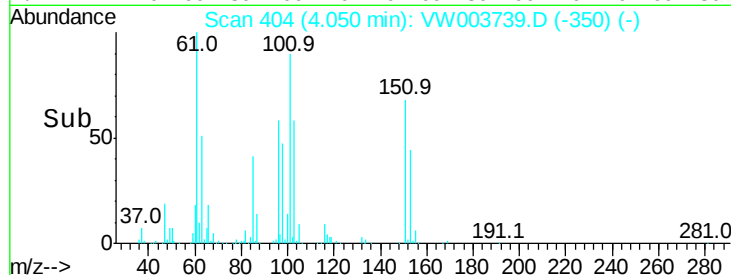
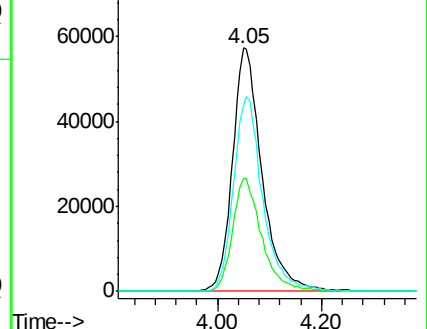
151 77.9 62.9 94.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 44.470 ug/L

RT: 4.03 min Scan# 400

Delta R.T. -0.01 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

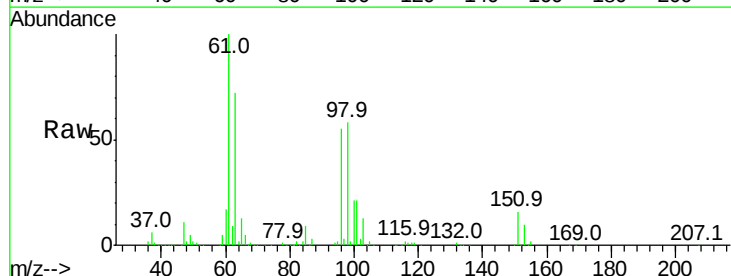
Tgt Ion: 96 Resp: 220906

Ion Ratio Lower Upper

96 100

61 181.6 123.8 229.8

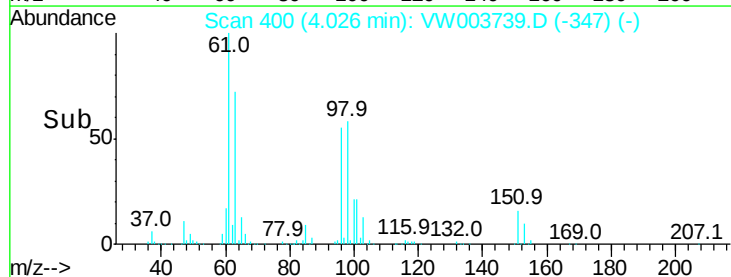
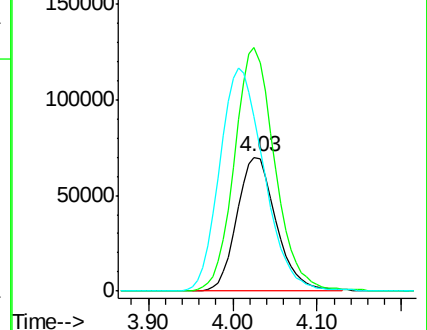
63 129.8 94.2 175.0

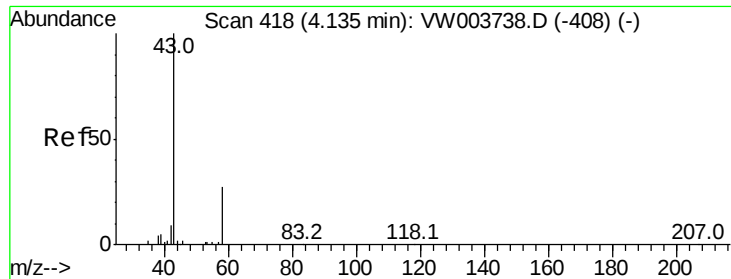


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 100.260 ug/L

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

Instrument :

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ClientSampleId :

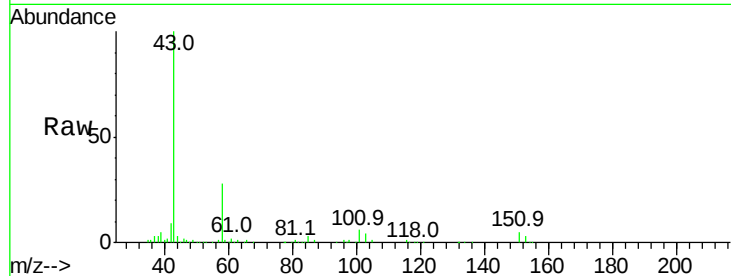
VSTD05084

Tgt Ion: 43 Resp: 181494

Ion Ratio Lower Upper

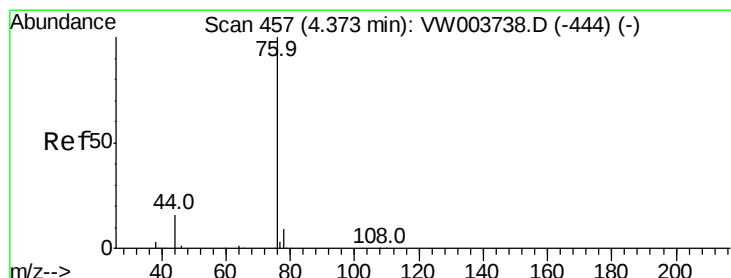
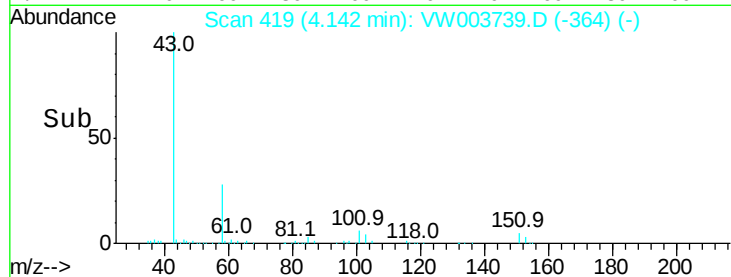
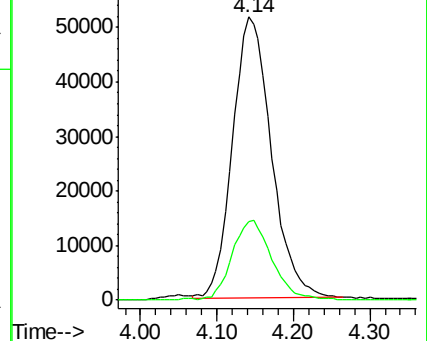
43 100

58 29.0 0.0 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 45.371 ug/L

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW003739.D

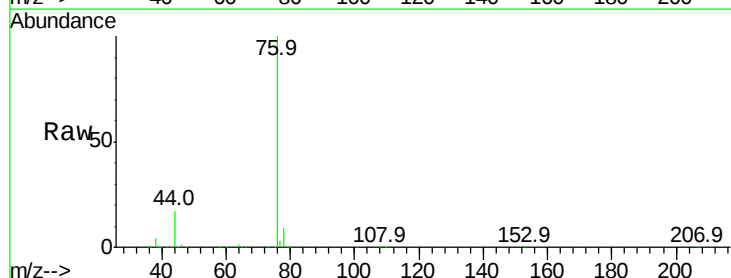
Acq: 06 Jul 2018 14:06

Tgt Ion: 76 Resp: 727132

Ion Ratio Lower Upper

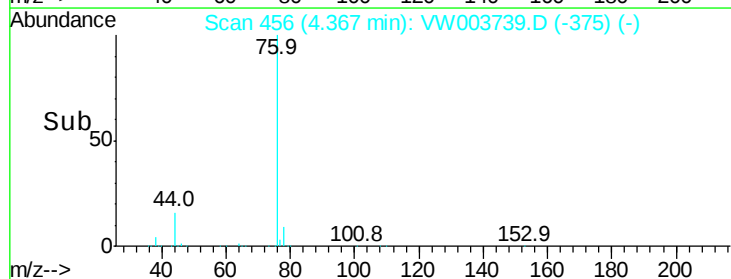
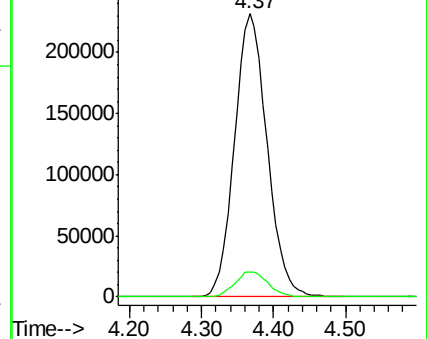
76 100

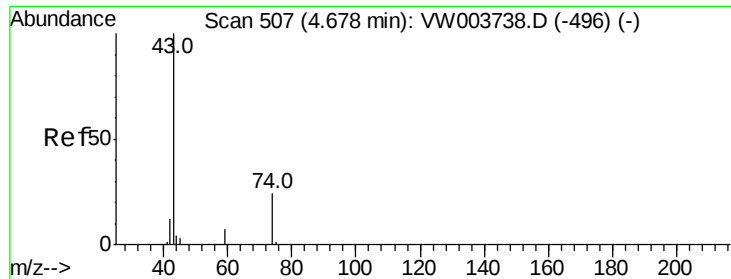
78 8.9 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

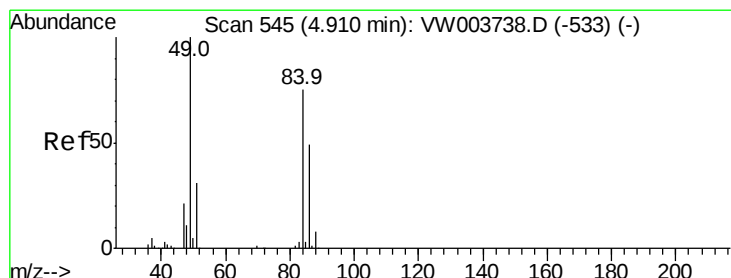
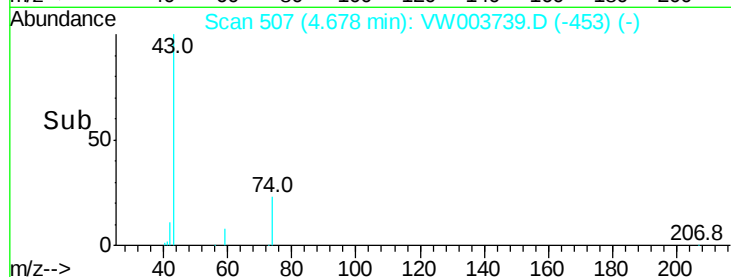
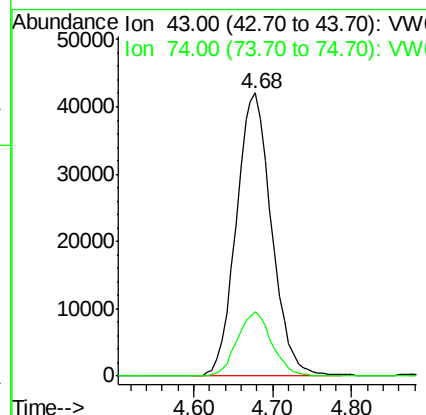
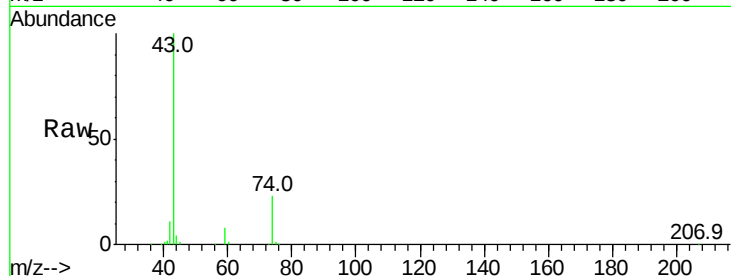




#15
Methyl Acetate
Concen: 44.137 ug/L
RT: 4.68 min Scan# 507
Delta R.T. 0.00 min
Lab File: VW003739.D
Acq: 06 Jul 2018 14:06

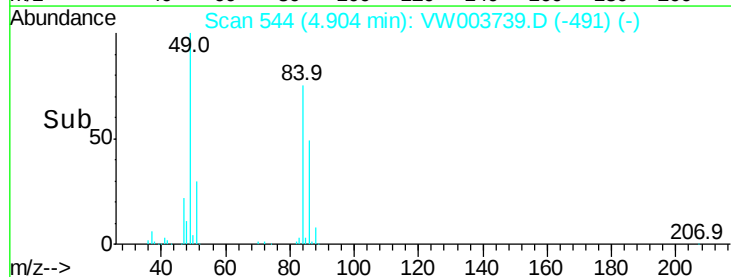
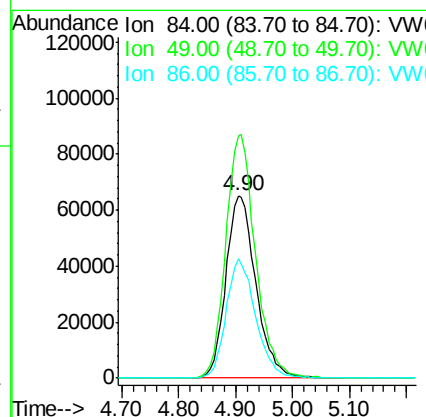
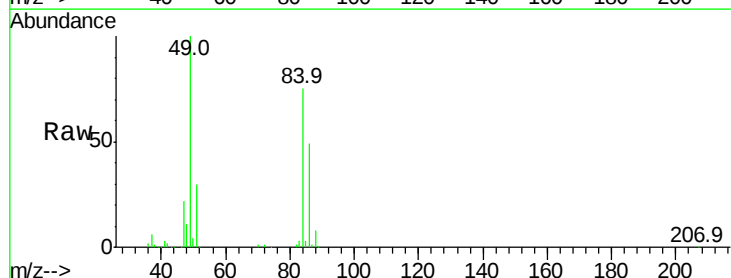
Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

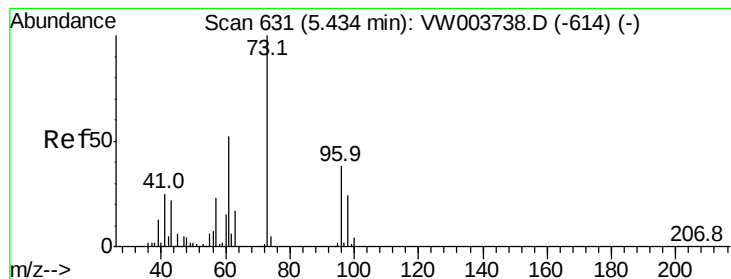
Tgt Ion: 43 Resp: 130958
Ion Ratio Lower Upper
43 100
74 22.2 17.7 26.5



#16
Methylene chloride
Concen: 43.585 ug/L
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003739.D
Acq: 06 Jul 2018 14:06

Tgt Ion: 84 Resp: 238662
Ion Ratio Lower Upper
84 100
49 132.7 93.5 173.7
86 65.5 45.6 84.8





#17

Methyl tert-butyl Ether

Concen: 46.146 ug/L

RT: 5.42 min Scan# 629

Delta R.T. -0.01 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

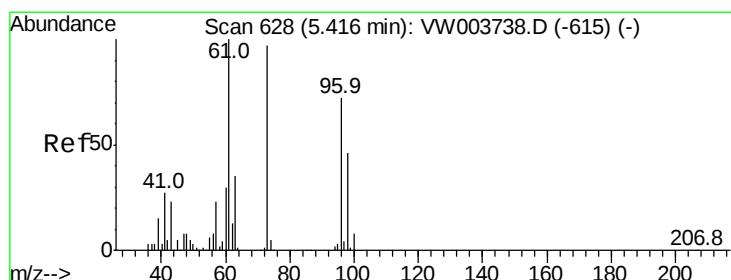
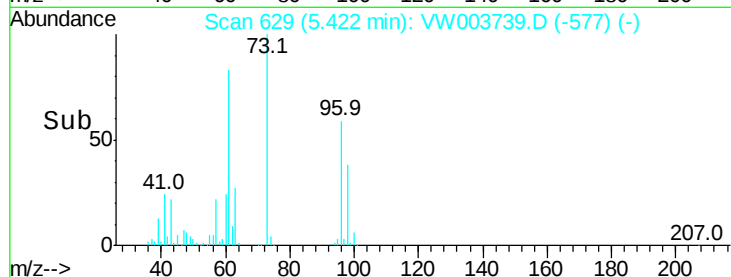
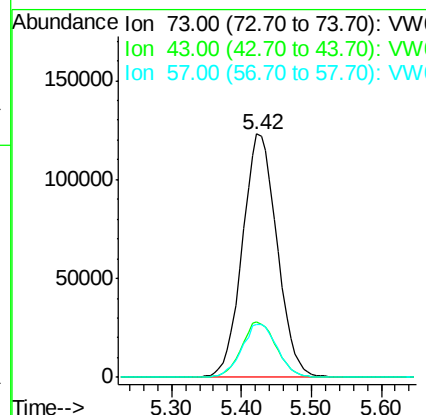
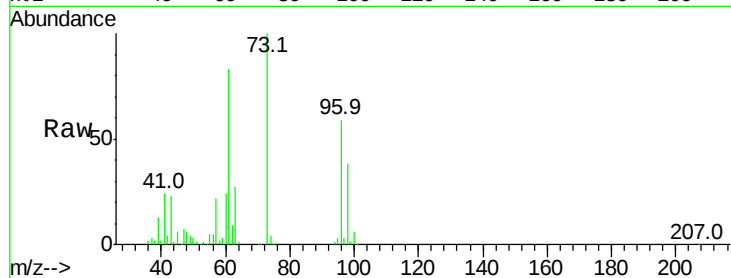
Tgt Ion: 73 Resp: 422939

Ion Ratio Lower Upper

73 100

43 22.9 18.2 27.4

57 22.4 18.4 27.6



#18

trans-1,2-Dichloroethene

Concen: 45.198 ug/L

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

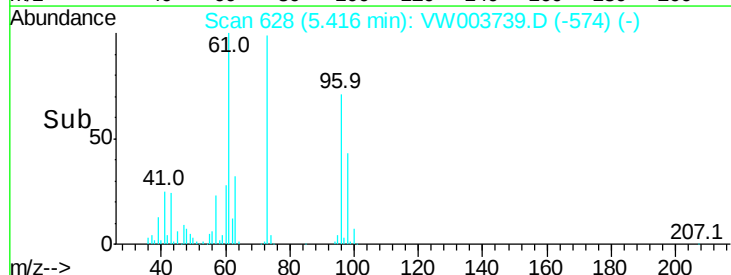
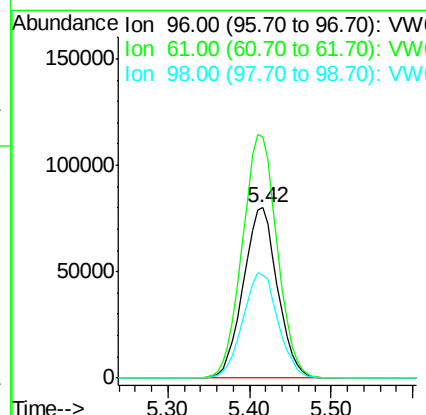
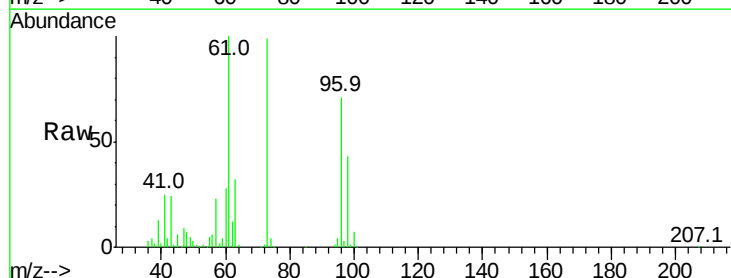
Tgt Ion: 96 Resp: 233937

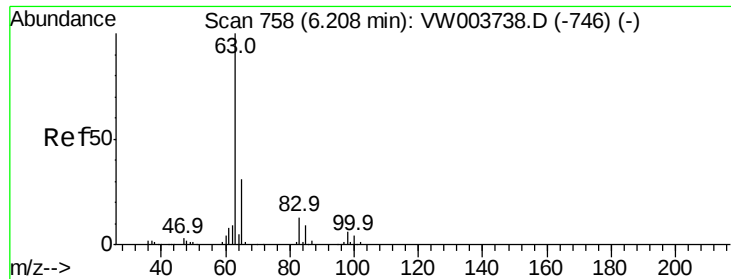
Ion Ratio Lower Upper

96 100

61 141.3 97.5 181.1

98 60.5 44.6 82.8

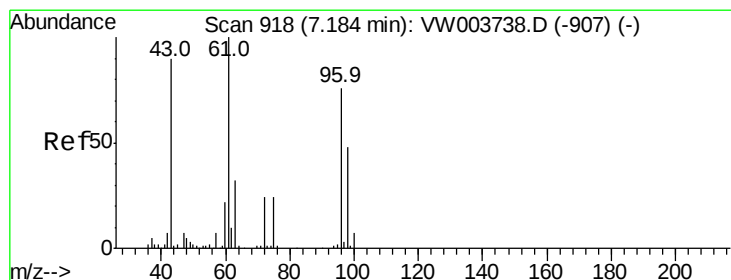
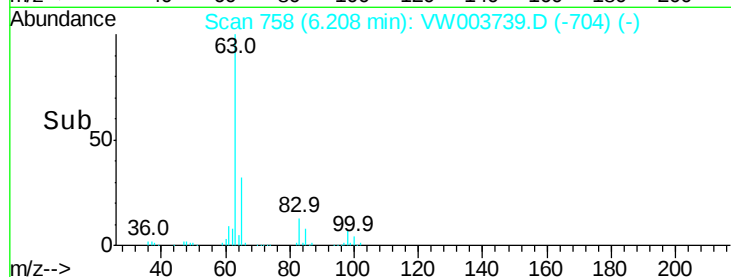
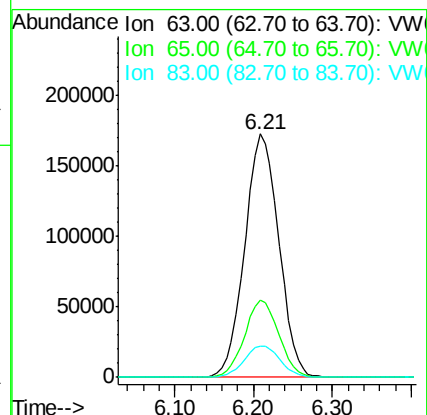
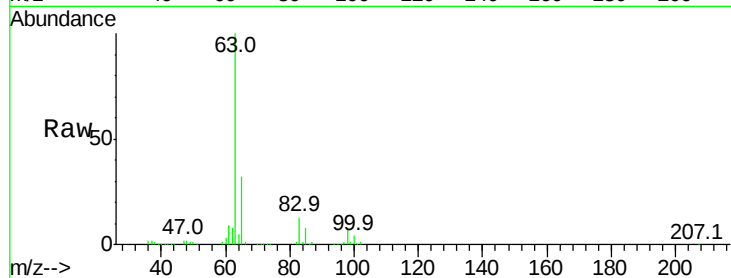




#19
 1,1-Dichloroethane
 Concen: 53.680 ug/L
 RT: 6.21 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: VW003739.D
 Acq: 06 Jul 2018 14:06

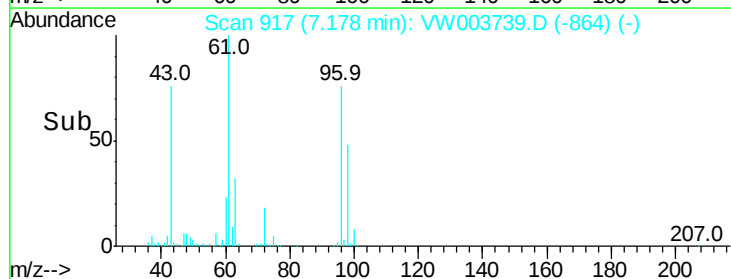
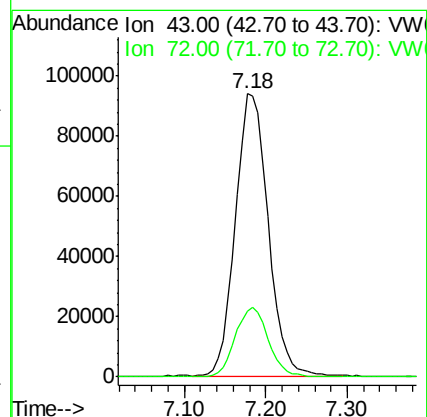
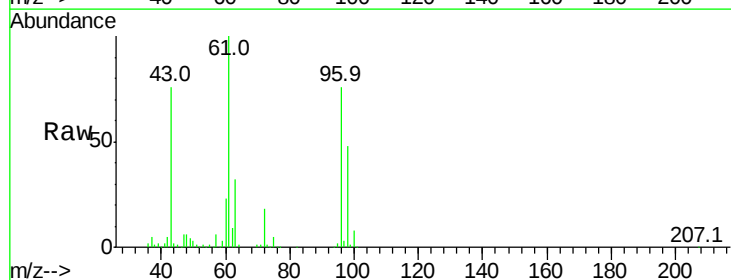
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

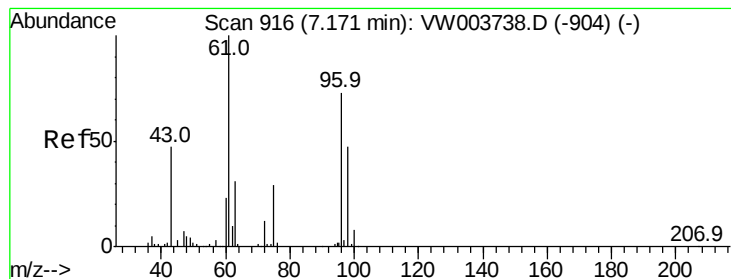
Tgt Ion: 63 Resp: 518500
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.0 41.0
 83 12.8 9.2 17.2



#21
 2-Butanone
 Concen: 122.643 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VW003739.D
 Acq: 06 Jul 2018 14:06

Tgt Ion: 43 Resp: 260889
 Ion Ratio Lower Upper
 43 100
 72 24.9 12.6 37.6





#22

cis-1,2-Dichloroethene

Concen: 54.827 ug/L

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

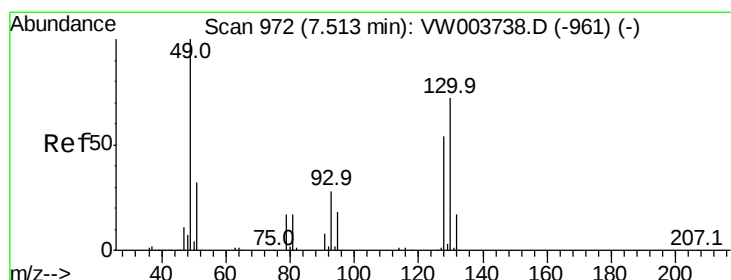
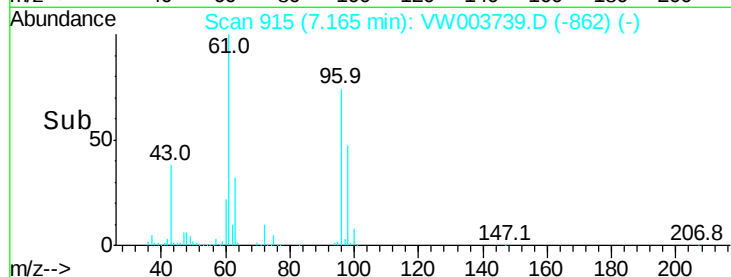
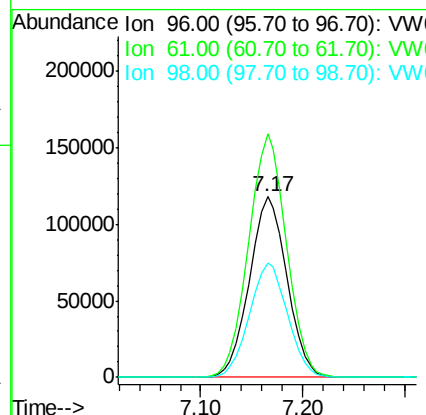
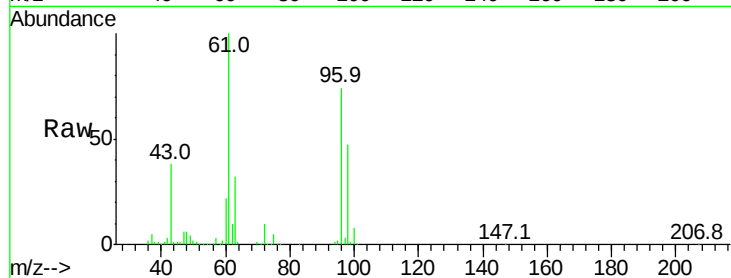
Tgt Ion: 96 Resp: 301585

Ion Ratio Lower Upper

96 100

61 134.9 96.3 178.9

98 63.5 45.1 83.7



#23

Bromochloromethane

Concen: 52.930 ug/L

RT: 7.51 min Scan# 972

Delta R.T. 0.00 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

Tgt Ion: 128 Resp: 134685

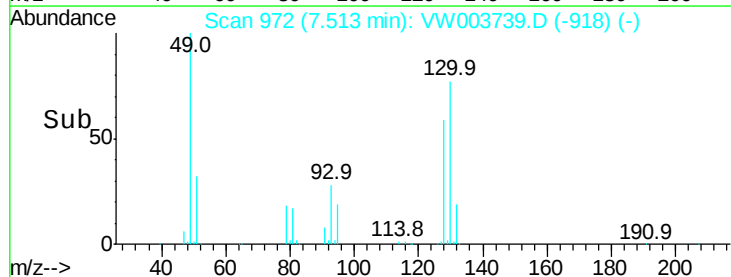
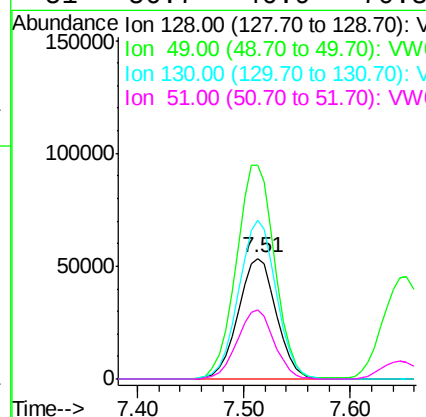
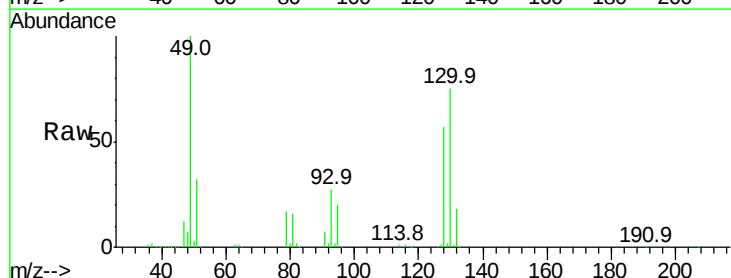
Ion Ratio Lower Upper

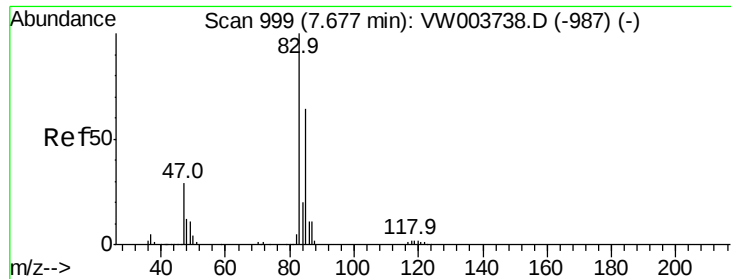
128 100

49 176.5 129.4 240.2

130 131.6 92.5 171.9

51 56.7 46.9 70.3

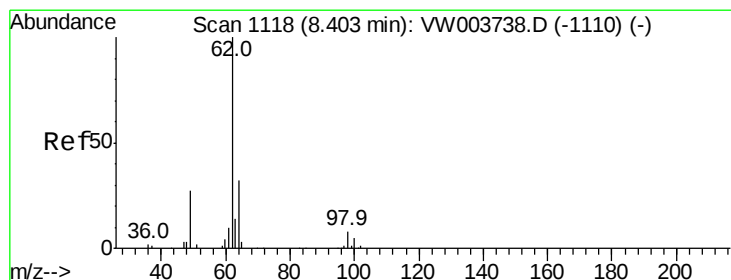
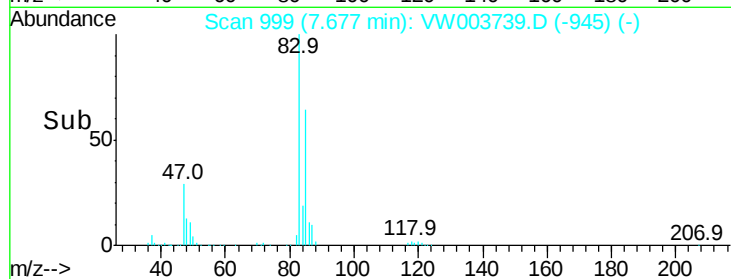
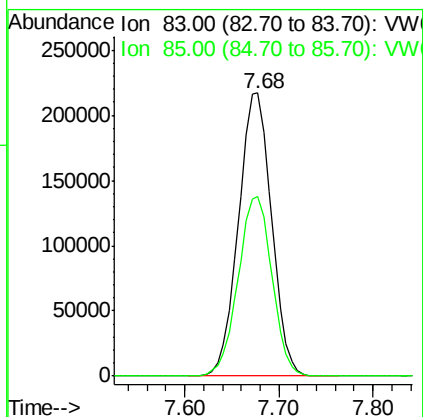
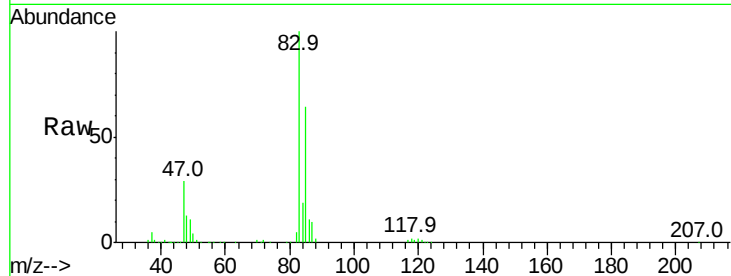




#25
Chloroform
Concen: 53.461 ug/L
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003739.D
Acq: 06 Jul 2018 14:06

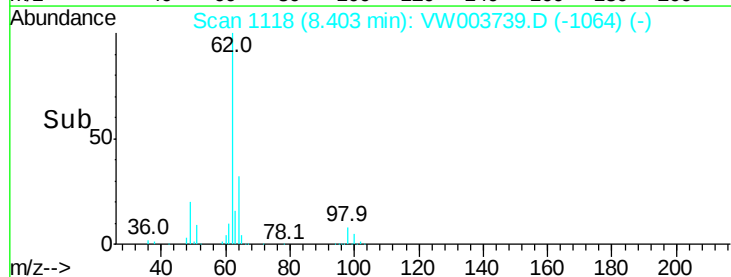
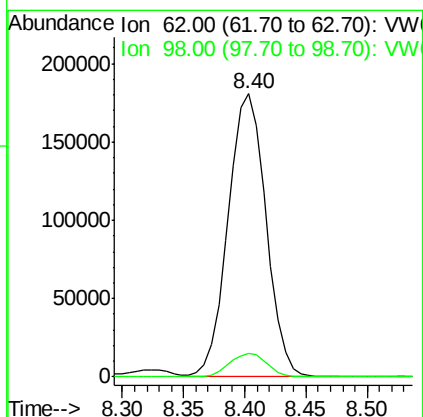
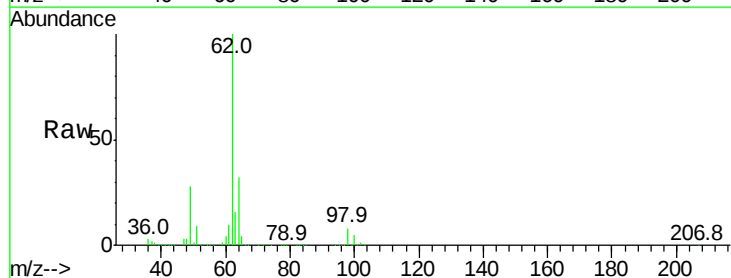
Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

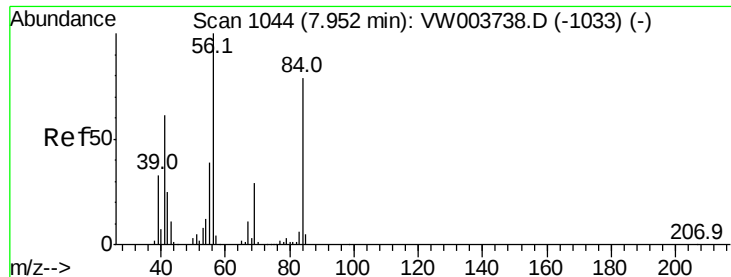
Tgt Ion: 83 Resp: 530888
Ion Ratio Lower Upper
83 100
85 64.9 45.9 85.3



#27
1,2-Dichloroethane
Concen: 54.050 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003739.D
Acq: 06 Jul 2018 14:06

Tgt Ion: 62 Resp: 388689
Ion Ratio Lower Upper
62 100
98 8.2 6.6 10.0

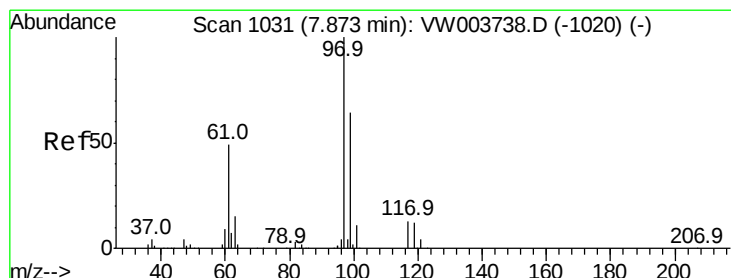
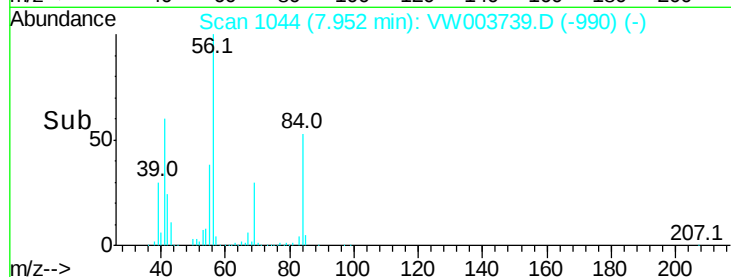
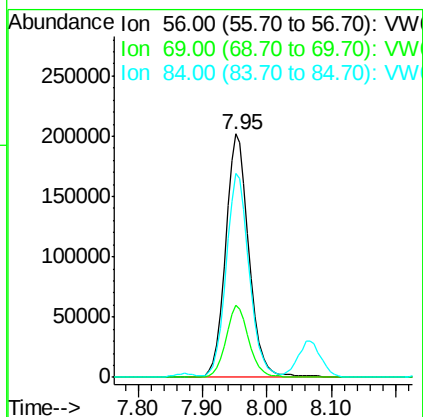
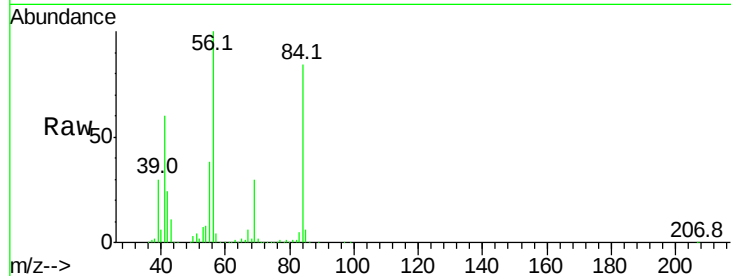




#30
Cyclohexane
Concen: 58.678 ug/L
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003739.D
Acq: 06 Jul 2018 14:06

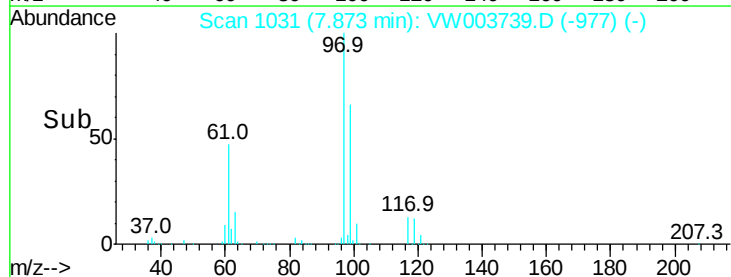
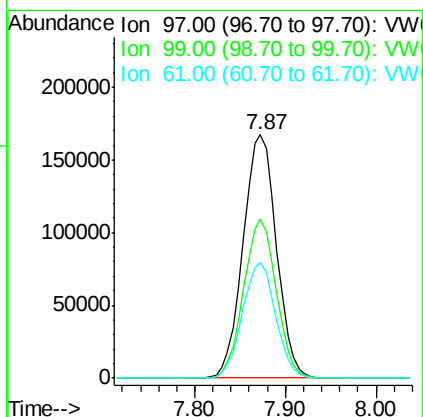
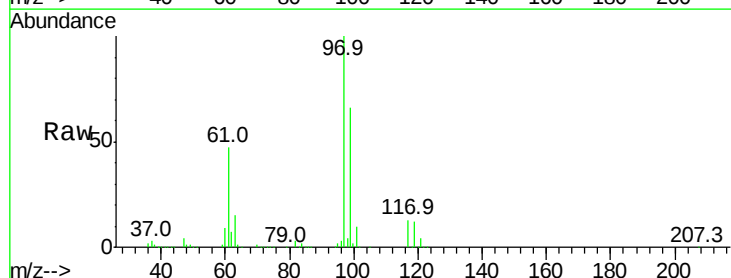
Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

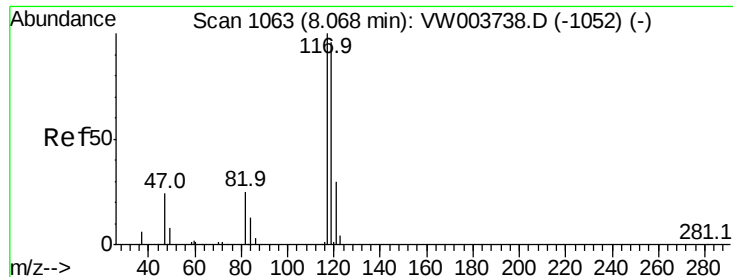
Tgt Ion: 56 Resp: 514595
Ion Ratio Lower Upper
56 100
69 29.0 23.5 35.3
84 82.9 65.8 98.8



#31
1,1,1-Trichloroethane
Concen: 50.956 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003739.D
Acq: 06 Jul 2018 14:06

Tgt Ion: 97 Resp: 425243
Ion Ratio Lower Upper
97 100
99 64.0 51.4 77.2
61 47.3 38.2 57.2





#32

Carbon tetrachloride

Concen: 52.965 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

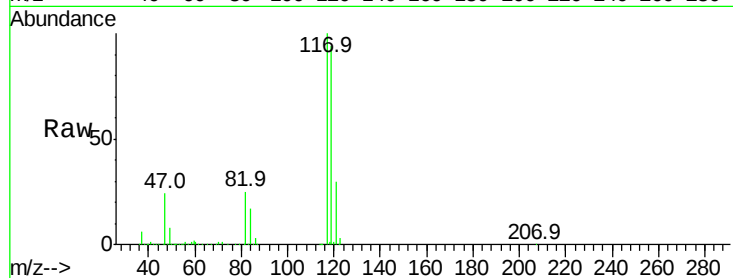
VSTD05084

Tgt Ion:117 Resp: 427018

Ion Ratio Lower Upper

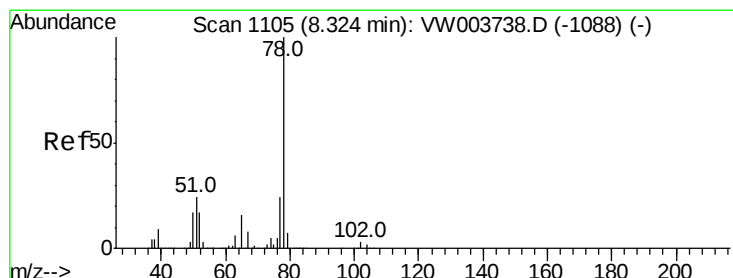
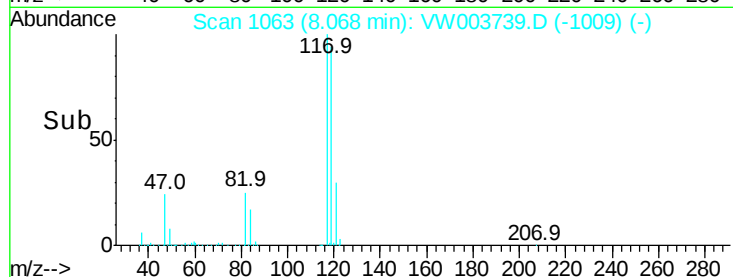
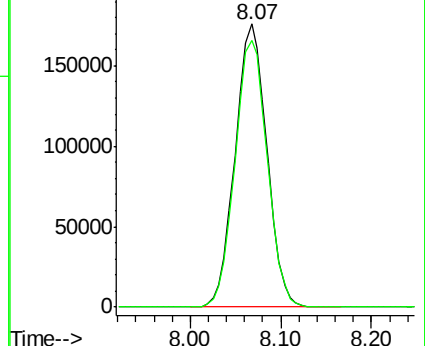
117 100

119 95.8 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 54.316 ug/L

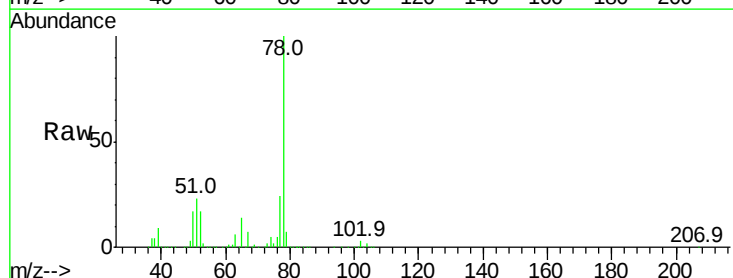
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

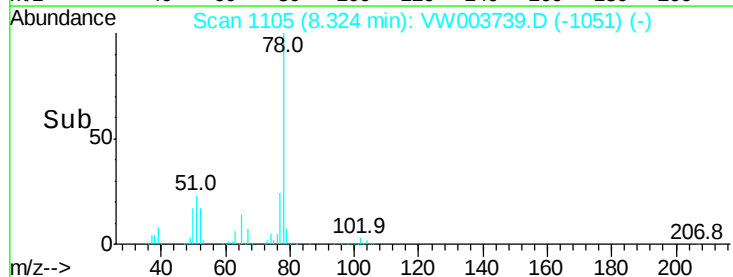
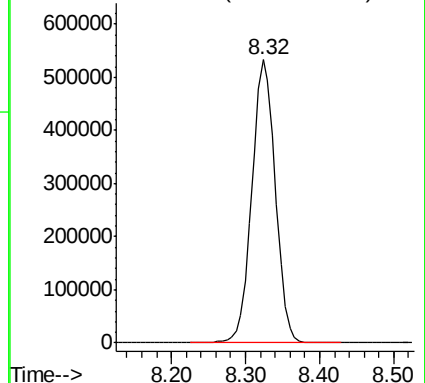
Lab File: VW003739.D

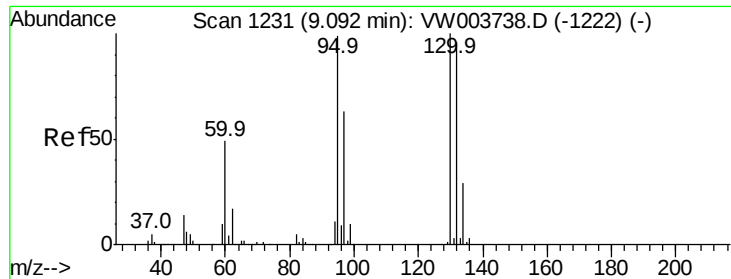
Acq: 06 Jul 2018 14:06

Tgt Ion: 78 Resp: 1176513



Abundance Ion 78.00 (77.70 to 78.70): VW

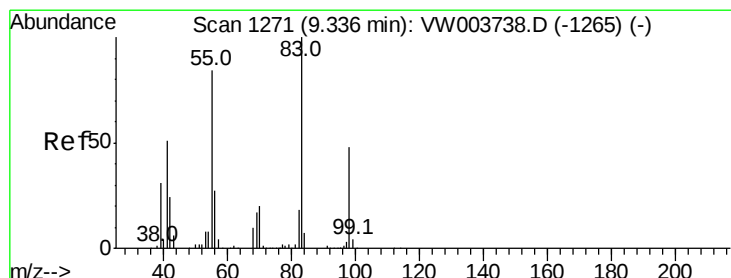
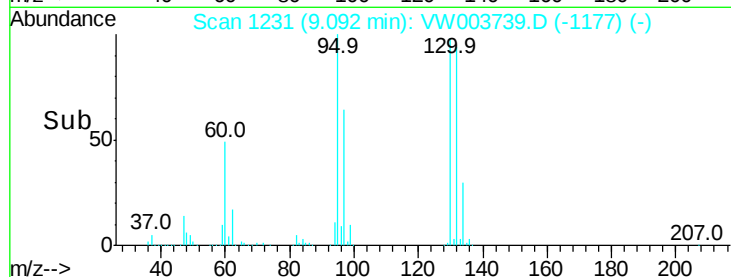
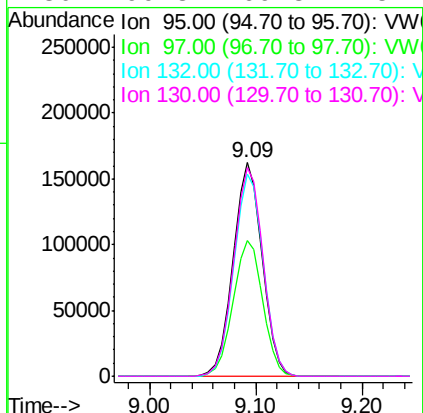
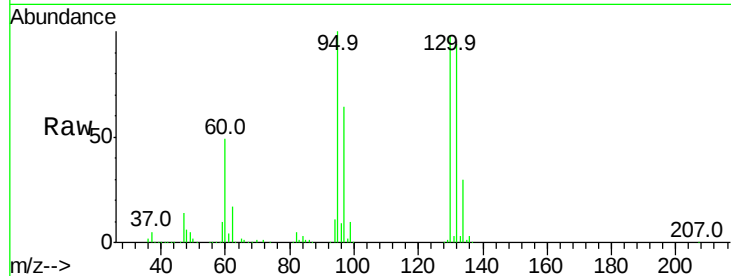




#35
 Trichloroethene
 Concen: 53.183 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW003739.D
 Acq: 06 Jul 2018 14:06

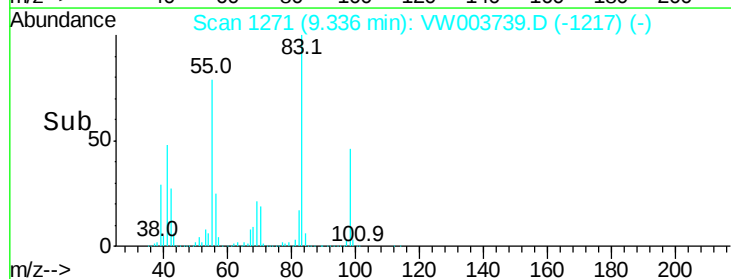
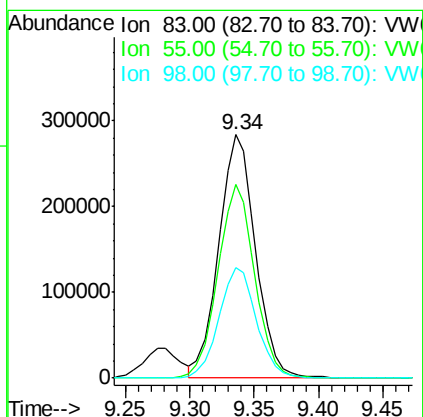
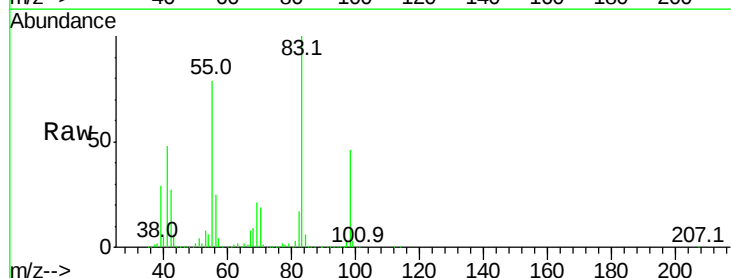
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

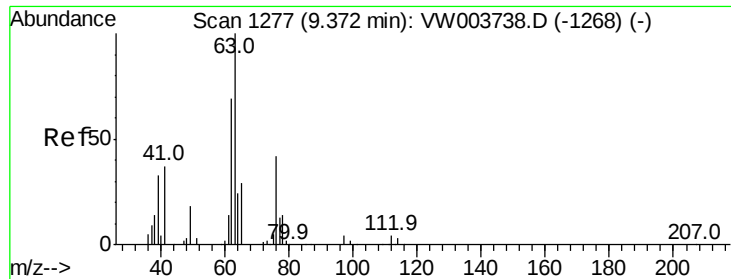
Tgt Ion: 95 Resp: 310484
 Ion Ratio Lower Upper
 95 100
 97 64.8 44.6 82.8
 132 96.1 67.3 124.9
 130 99.3 69.3 128.7



#36
 Methylcyclohexane
 Concen: 56.366 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW003739.D
 Acq: 06 Jul 2018 14:06

Tgt Ion: 83 Resp: 561779
 Ion Ratio Lower Upper
 83 100
 55 80.6 64.3 96.5
 98 47.0 37.0 55.6

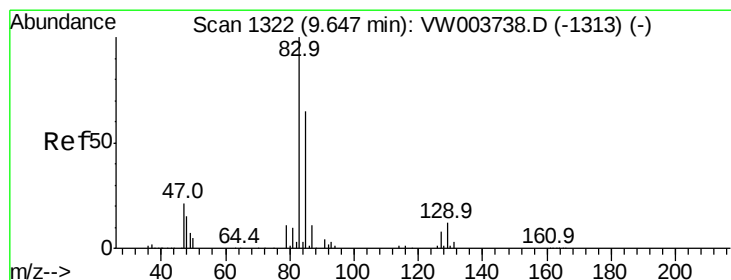
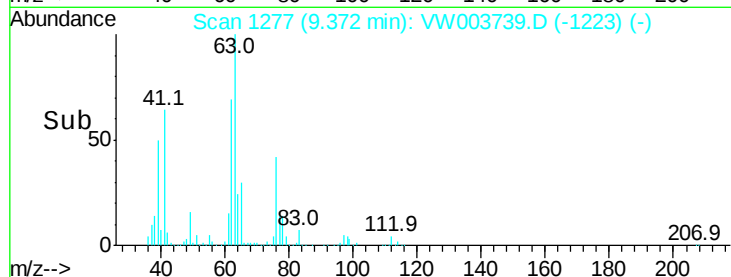
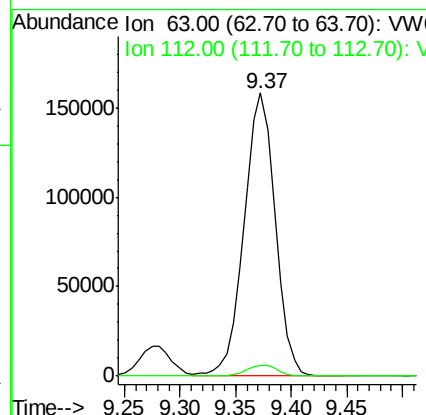
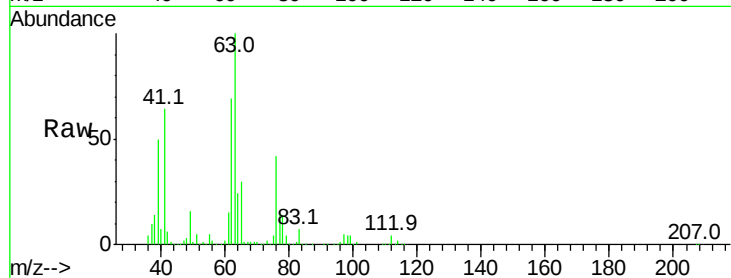




#40
 1,2-Dichloropropane
 Concen: 53.989 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003739.D
 Acq: 06 Jul 2018 14:06

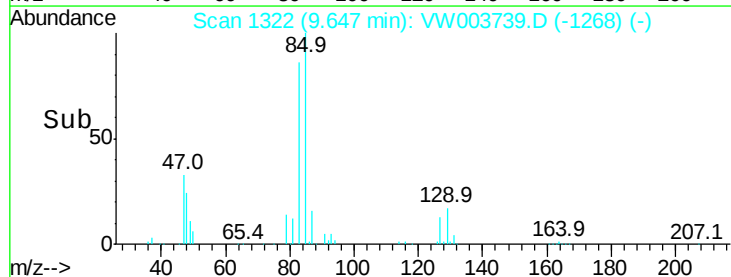
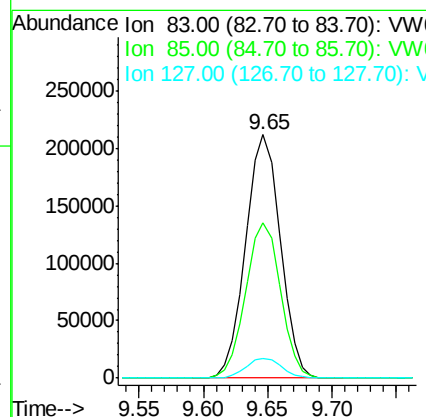
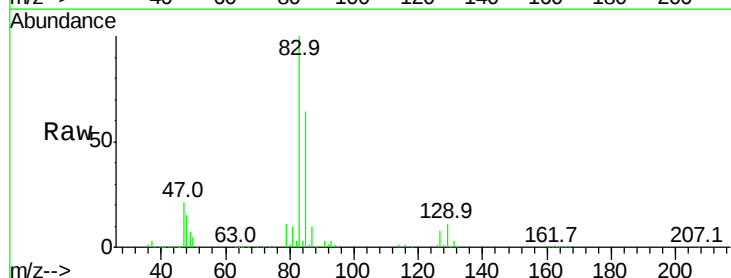
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

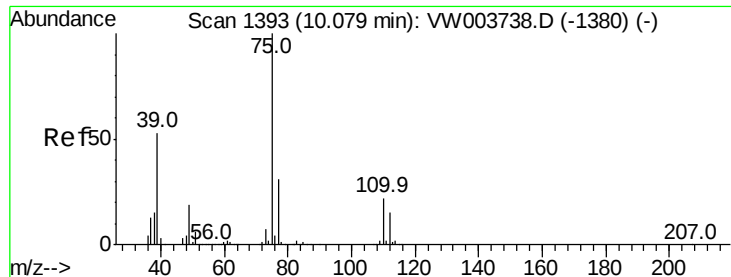
Tgt Ion: 63 Resp: 307747
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#41
 Bromodichloromethane
 Concen: 54.067 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW003739.D
 Acq: 06 Jul 2018 14:06

Tgt Ion: 83 Resp: 396127
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.8 85.0
 127 8.1 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 57.217 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

Instrument :

MSVOA_W

ClientSampled :

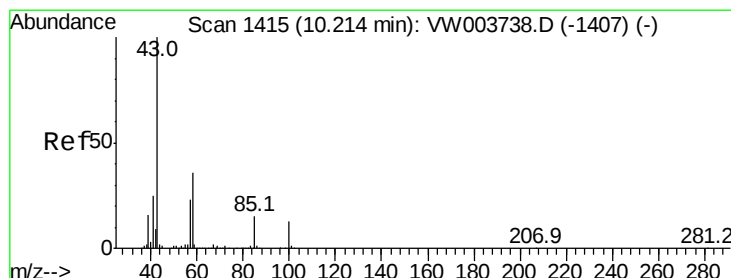
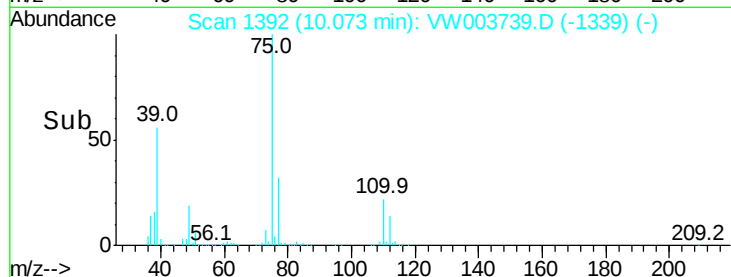
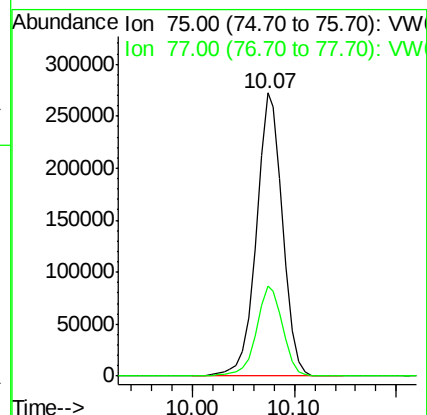
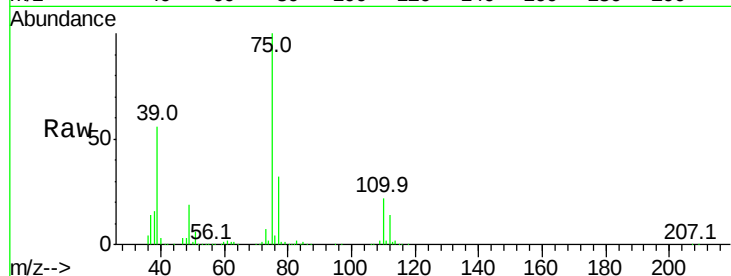
VSTD05084

Tgt Ion: 75 Resp: 486739

Ion Ratio Lower Upper

75 100

77 31.8 21.4 39.8



#43

4-Methyl-2-pentanone

Concen: 120.624 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

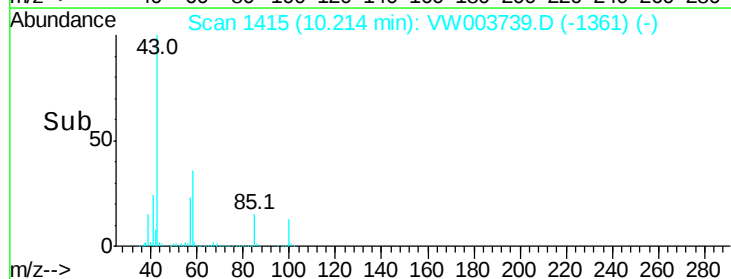
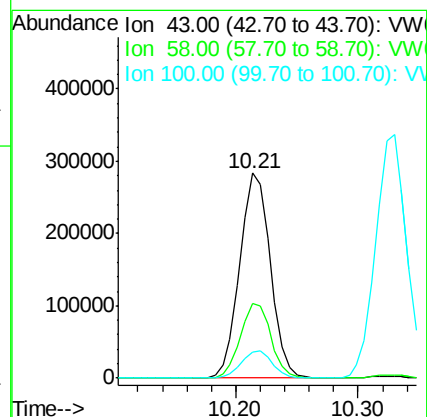
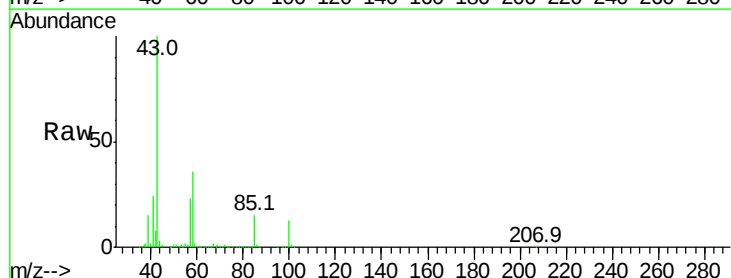
Tgt Ion: 43 Resp: 491212

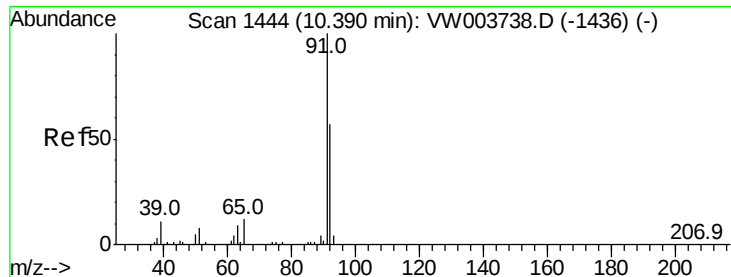
Ion Ratio Lower Upper

43 100

58 36.6 28.6 42.8

100 13.4 10.7 16.1





#44

Toluene

Concen: 55.365 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

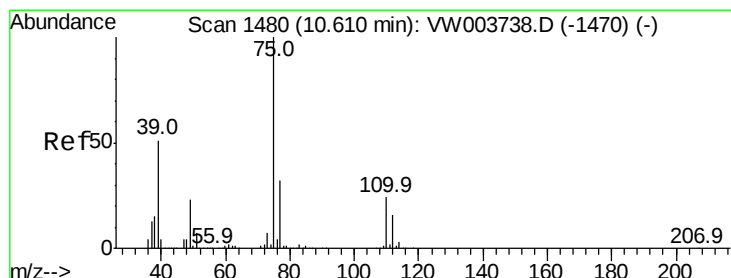
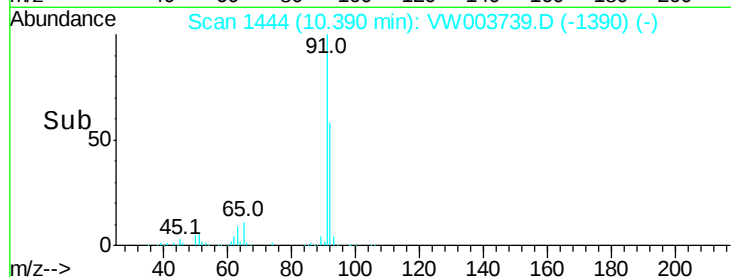
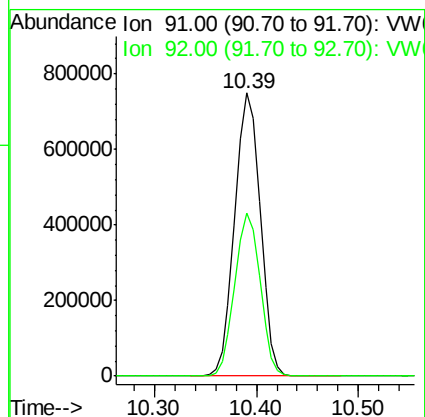
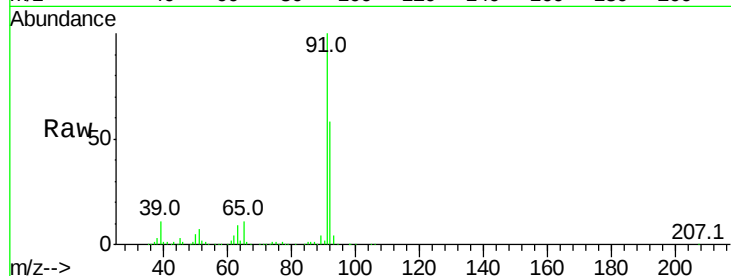
VSTD05084

Tgt Ion: 91 Resp: 1300600

Ion Ratio Lower Upper

91 100

92 57.6 40.0 74.4



#45

trans-1,3-Dichloropropene

Concen: 57.507 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003739.D

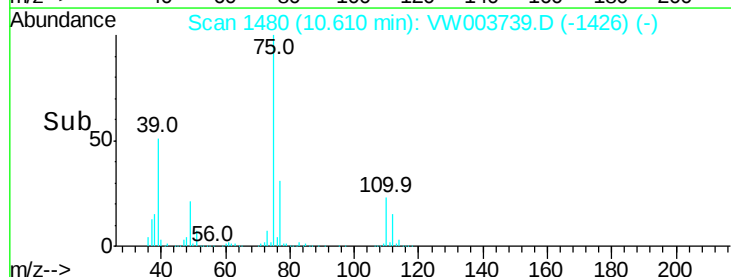
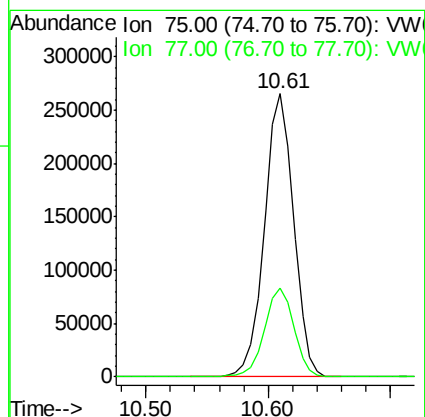
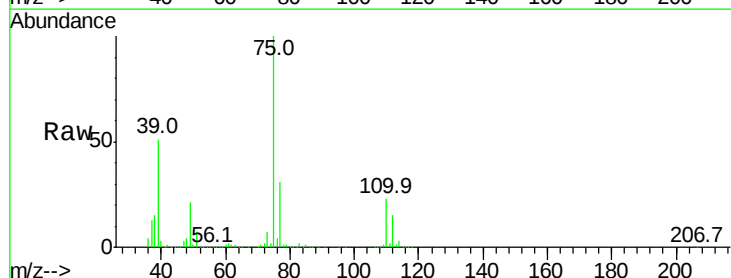
Acq: 06 Jul 2018 14:06

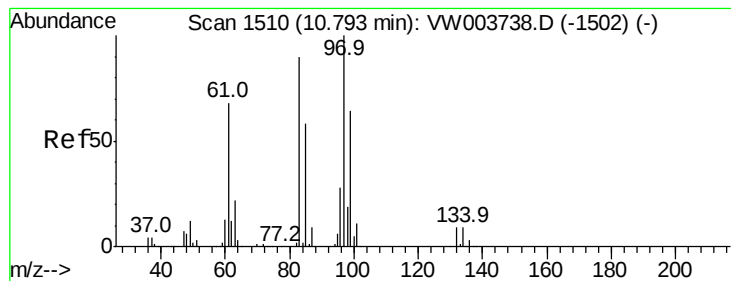
Tgt Ion: 75 Resp: 442682

Ion Ratio Lower Upper

75 100

77 31.4 22.8 42.4





#46

1,1,2-Trichloroethane

Concen: 54.397 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

Tgt Ion: 97 Resp: 231479

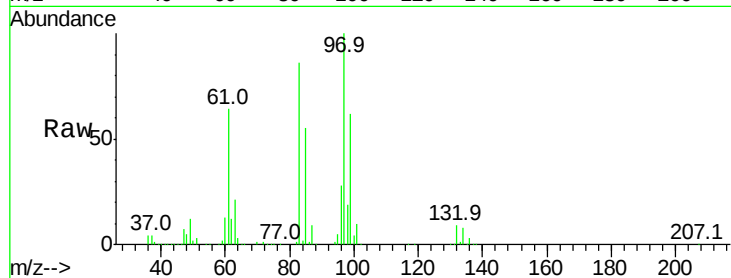
Ion Ratio Lower Upper

97 100

83 86.3 62.7 116.5

85 54.9 40.3 74.9

99 62.2 45.0 83.6

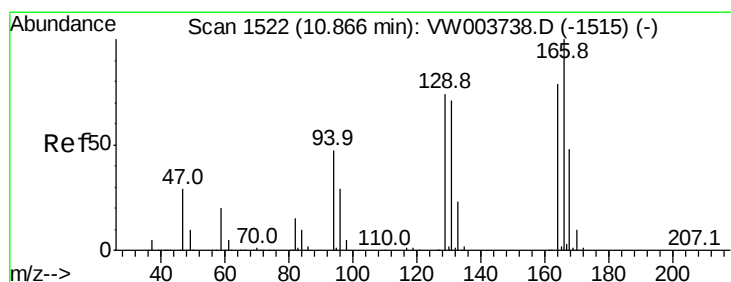
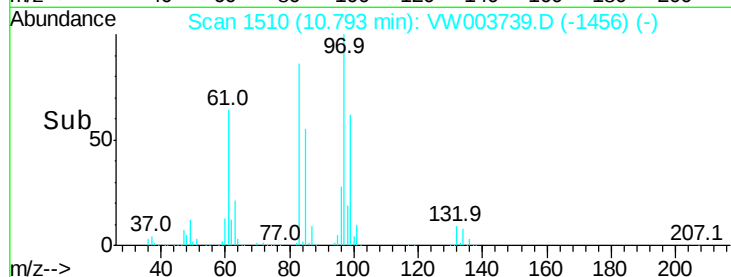
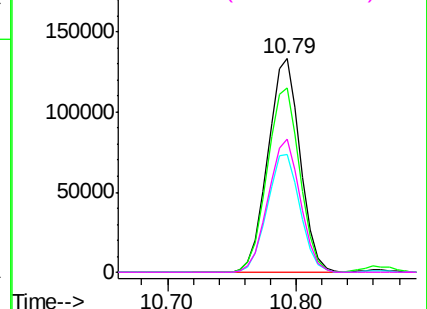


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 52.480 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

Tgt Ion: 164 Resp: 257461

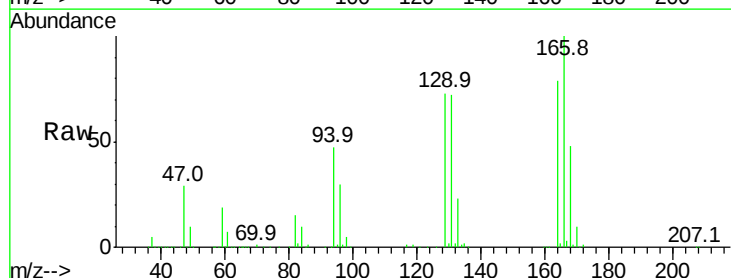
Ion Ratio Lower Upper

164 100

129 92.8 65.9 122.3

131 91.1 63.4 117.8

166 126.5 89.0 165.4

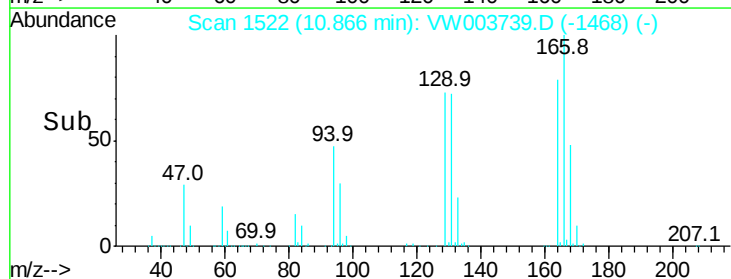
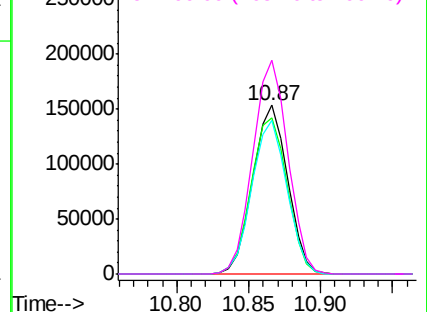


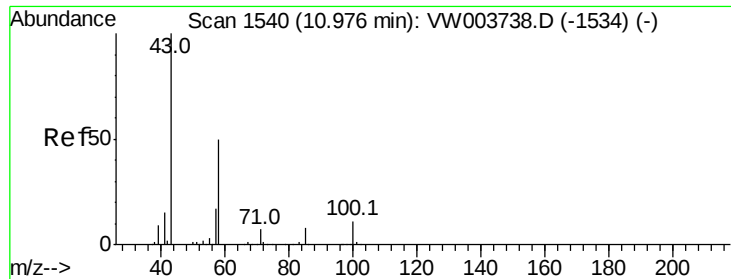
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 134.133 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

Tgt Ion: 43 Resp: 407047

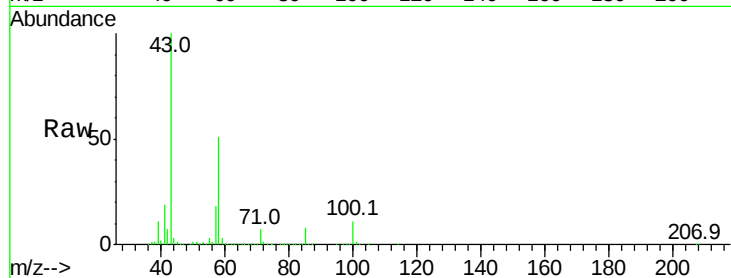
Ion Ratio Lower Upper

43 100

58 50.2 39.4 59.2

57 17.8 14.2 21.4

100 10.3 8.2 12.4

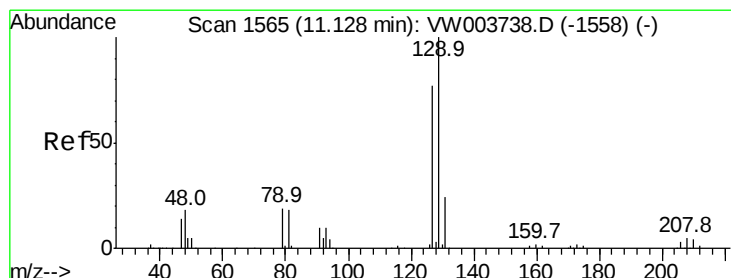
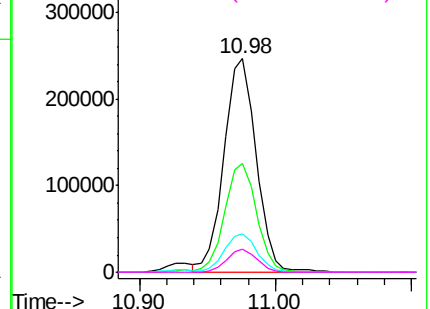
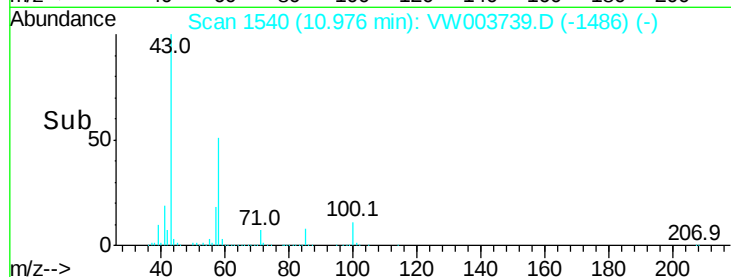


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 55.299 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VW003739.D

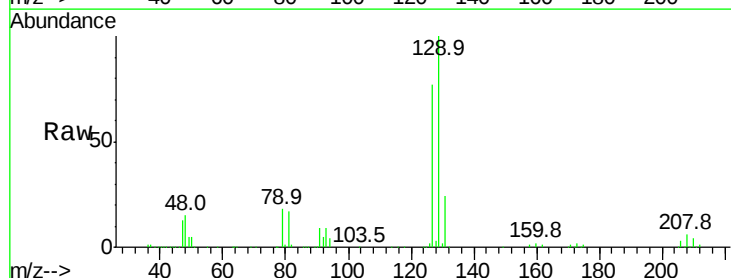
Acq: 06 Jul 2018 14:06

Tgt Ion: 129 Resp: 286467

Ion Ratio Lower Upper

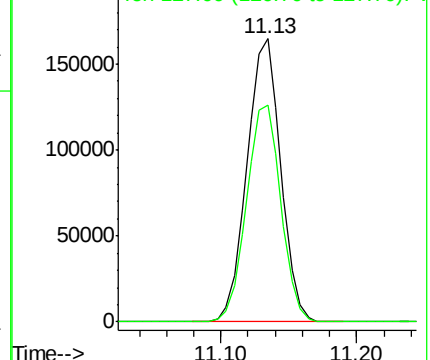
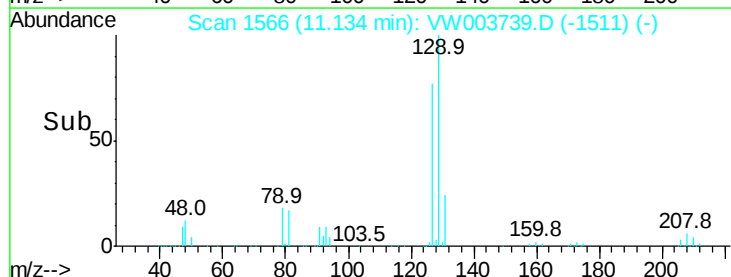
129 100

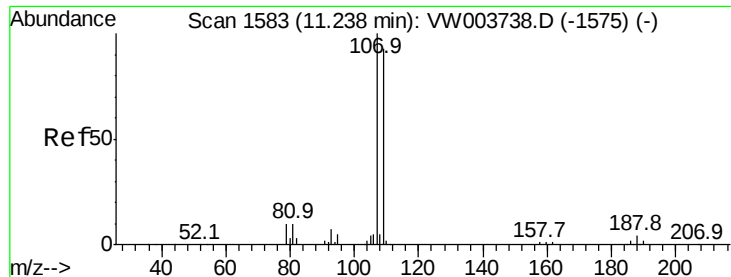
127 76.5 54.0 100.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 54.576 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

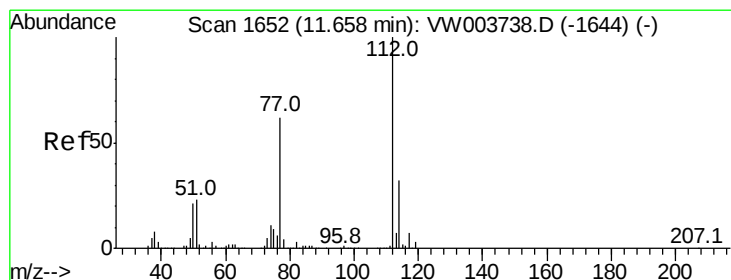
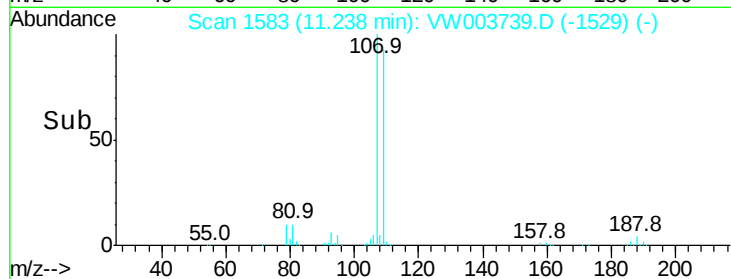
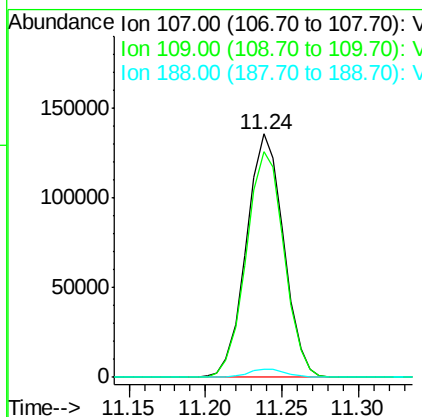
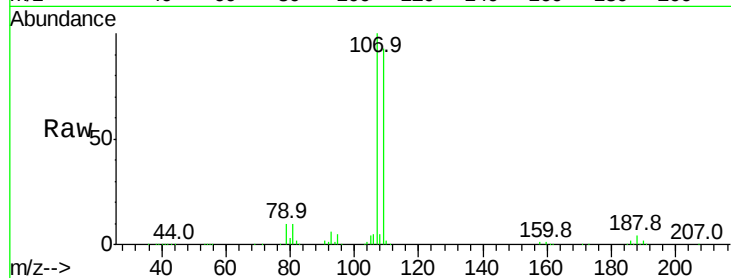
Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

Tgt Ion:	107	Resp:	230780
Ion	Ratio	Lower	Upper
107	100		
109	92.8	64.8	120.3
188	3.6	3.4	5.0



#52

Chlorobenzene

Concen: 53.277 ug/L

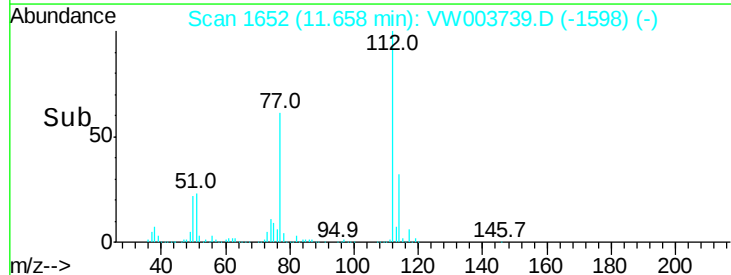
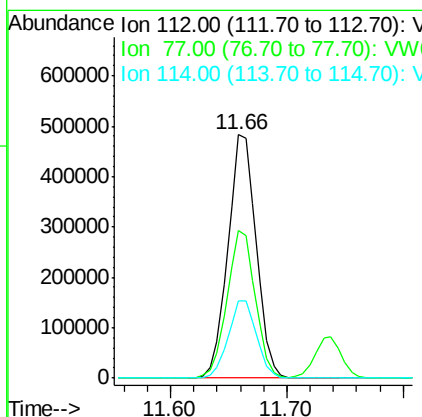
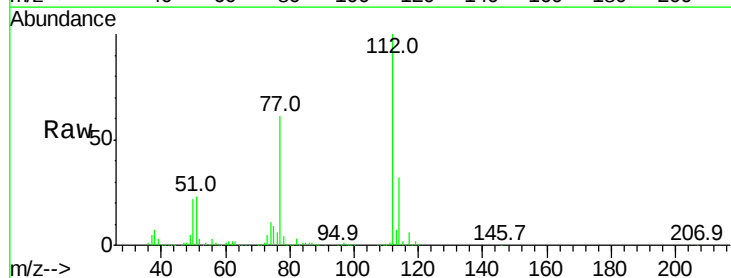
RT: 11.66 min Scan# 1652

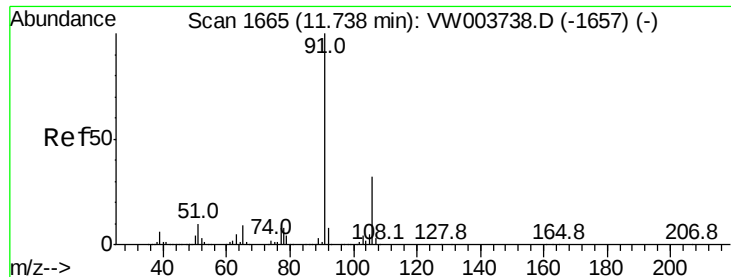
Delta R.T. 0.00 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

Tgt Ion:	112	Resp:	812716
Ion	Ratio	Lower	Upper
112	100		
77	60.8	49.9	74.9
114	31.9	22.5	41.7





#53

Ethylbenzene

Concen: 56.622 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

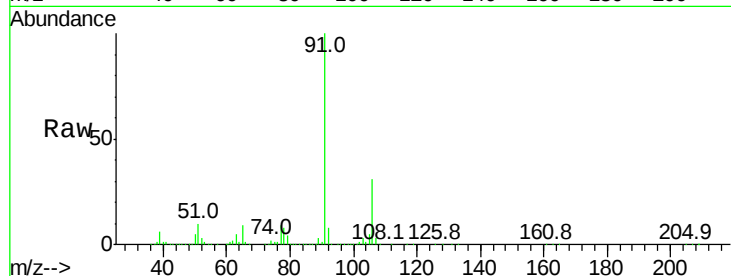
VSTD05084

Tgt Ion: 91 Resp: 1491934

Ion Ratio Lower Upper

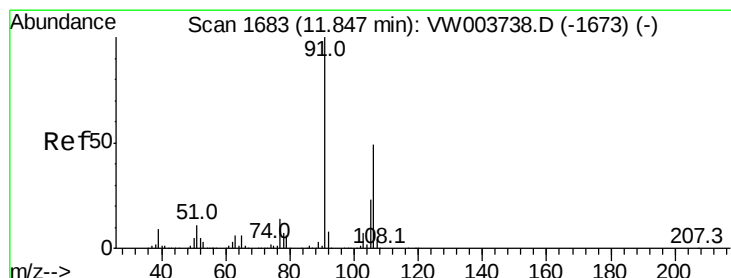
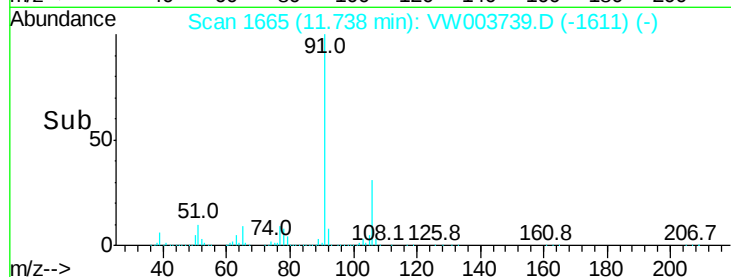
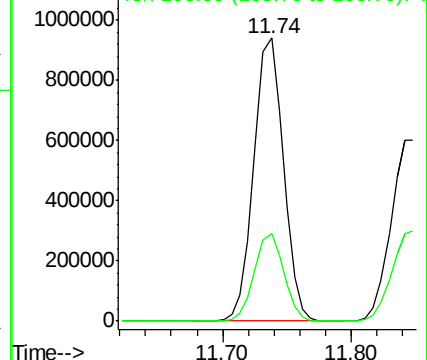
91 100

106 31.0 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 57.121 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW003739.D

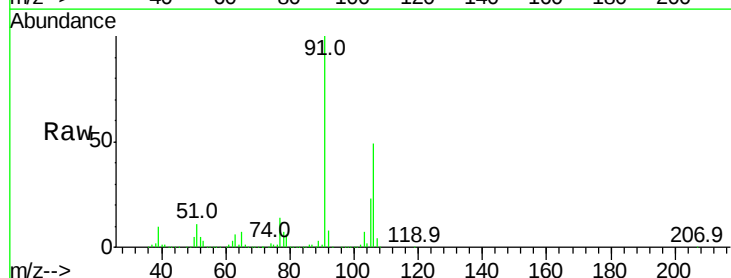
Acq: 06 Jul 2018 14:06

Tgt Ion: 106 Resp: 558995

Ion Ratio Lower Upper

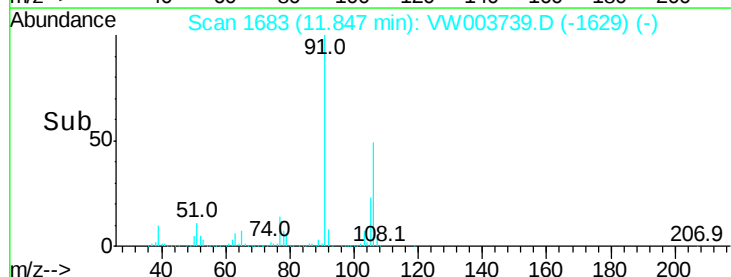
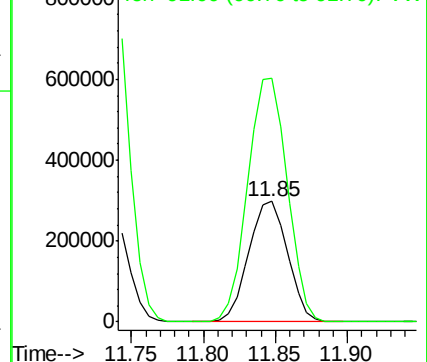
106 100

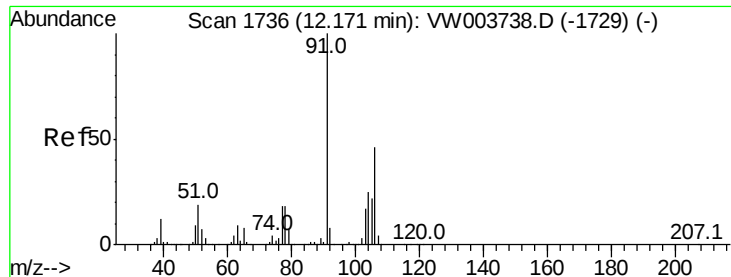
91 202.6 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 57.257 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

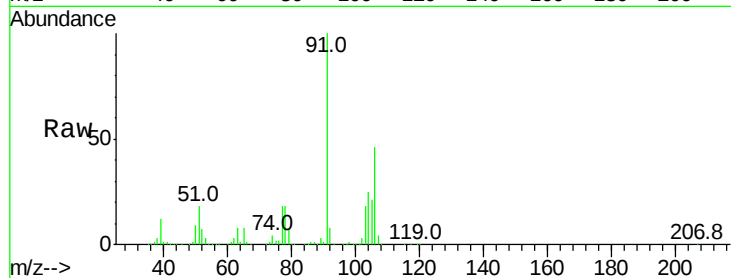
VSTD05084

Tgt Ion:106 Resp: 532998

Ion Ratio Lower Upper

106 100

91 217.9 153.7 285.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

800000

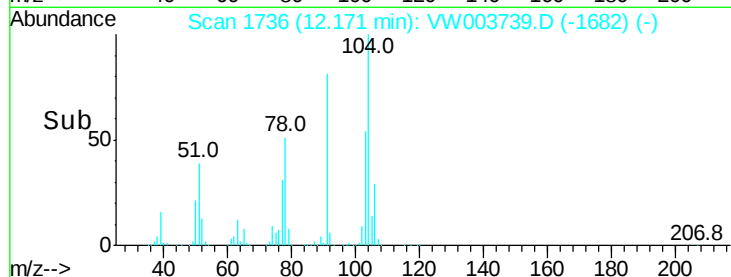
600000

400000

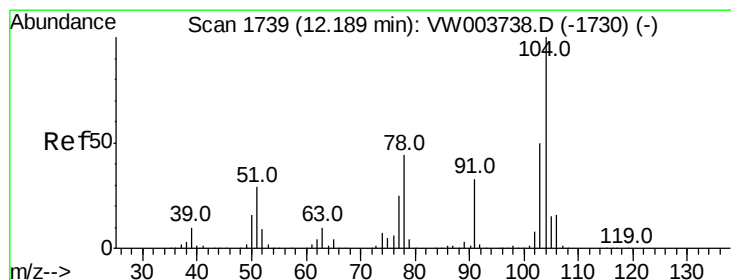
200000

0

12.10 12.15 12.20 12.25



Time-->



#56

Styrene

Concen: 58.522 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW003739.D

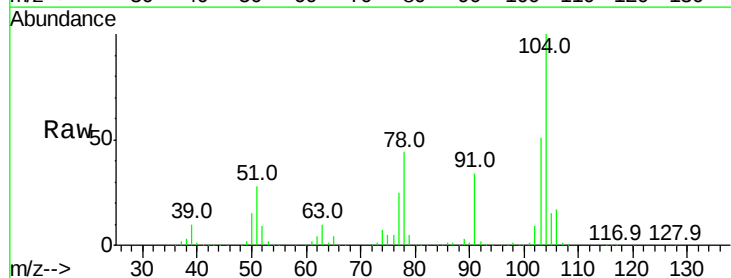
Acq: 06 Jul 2018 14:06

Tgt Ion:104 Resp: 940519

Ion Ratio Lower Upper

104 100

78 44.4 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

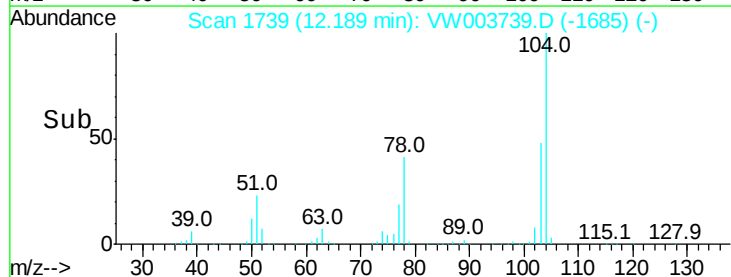
600000

400000

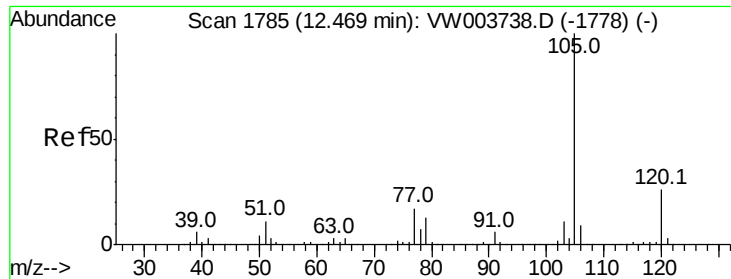
200000

0

12.10 12.20 12.30



Time-->



#57

Isopropylbenzene

Concen: 57.368 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

Instrument :

MSVOA_W

ClientSampleID :

VSTD05084

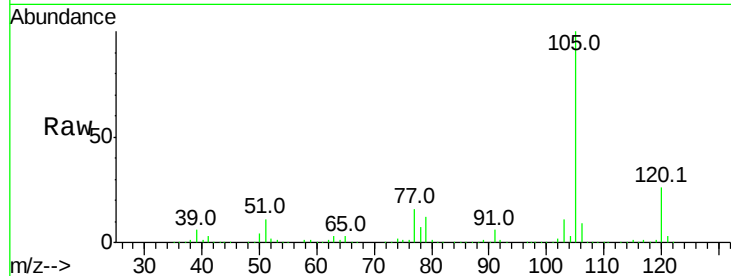
Tgt Ion:105 Resp: 1481664

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.4

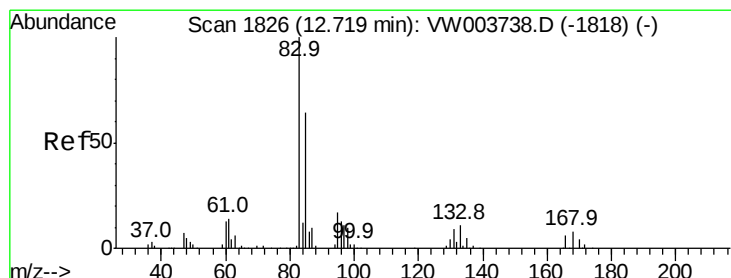
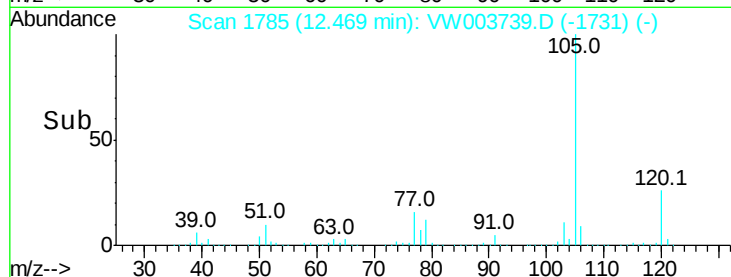
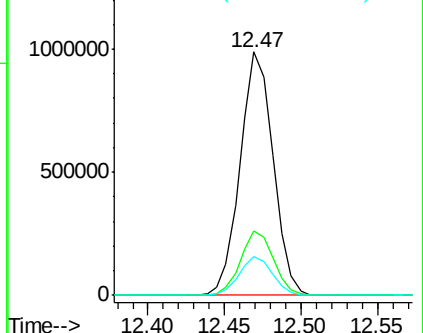
77 16.2 13.2 19.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 56.626 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

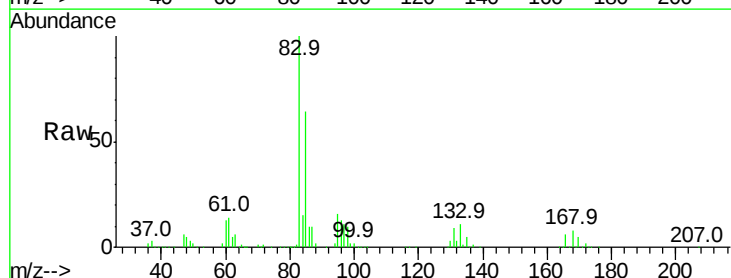
Tgt Ion: 83 Resp: 317658

Ion Ratio Lower Upper

83 100

85 63.9 45.1 83.9

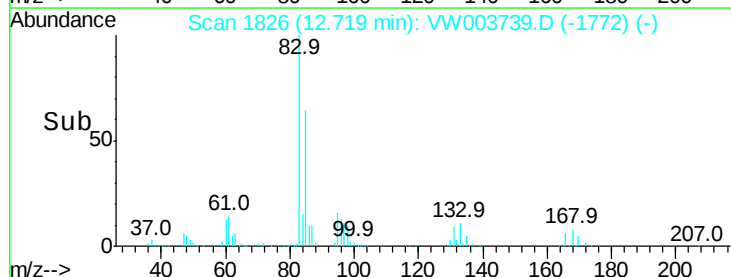
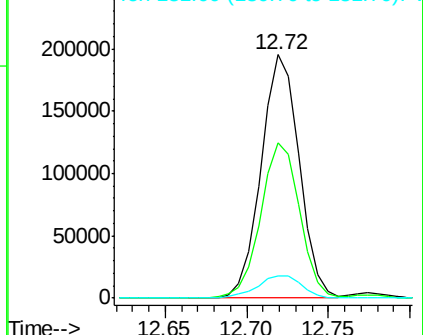
131 9.1 7.5 11.3

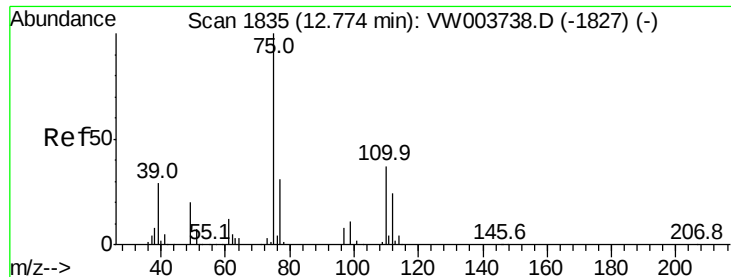


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 55.655 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

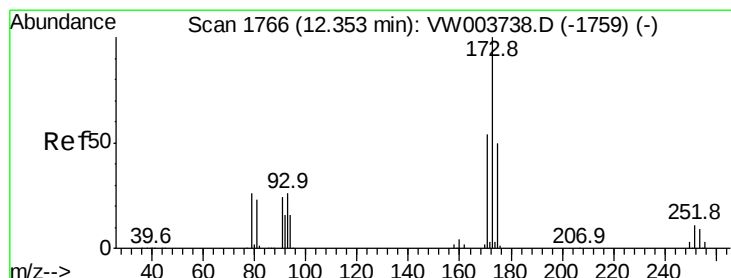
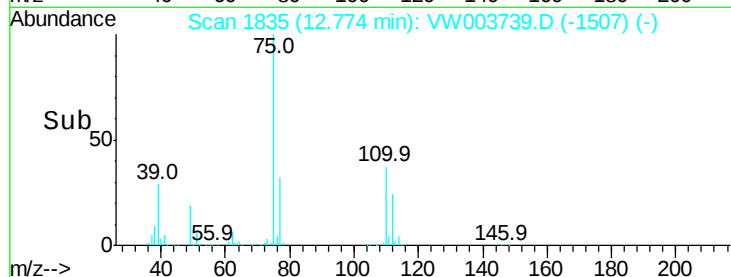
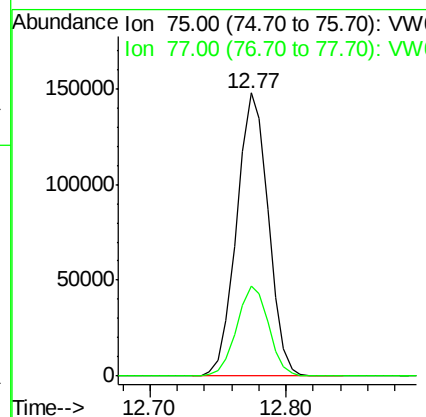
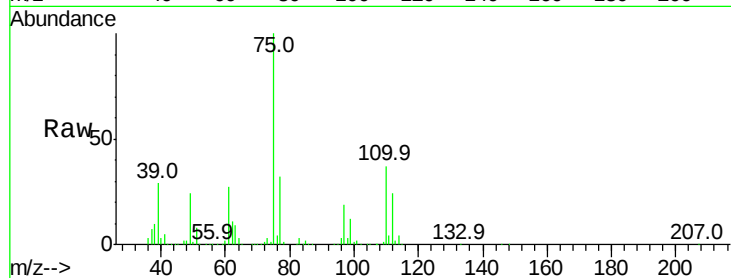
VSTD05084

Tgt Ion: 75 Resp: 239273

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0



#62

Bromoform

Concen: 55.154 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

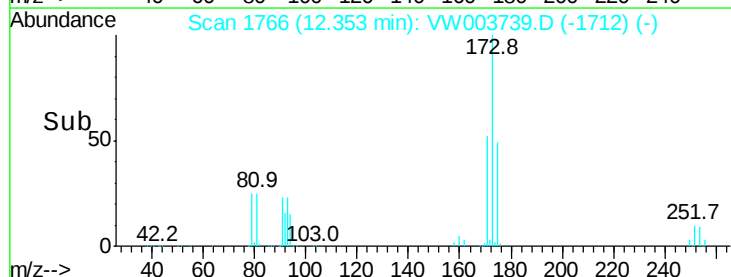
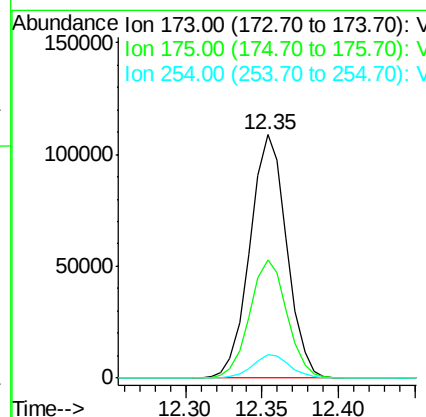
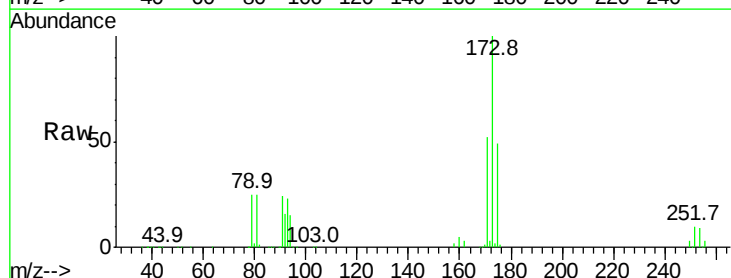
Tgt Ion: 173 Resp: 181791

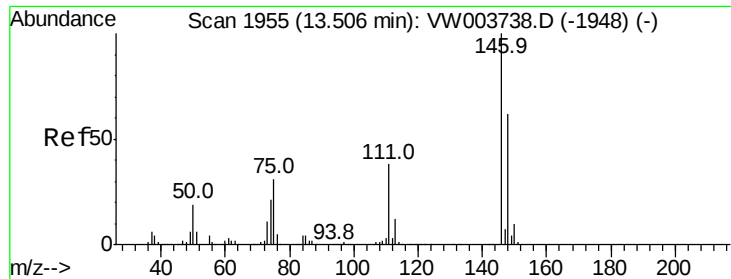
Ion Ratio Lower Upper

173 100

175 49.0 39.5 59.3

254 9.7 7.4 11.0

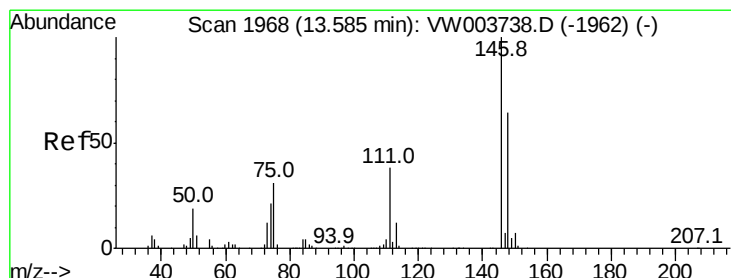
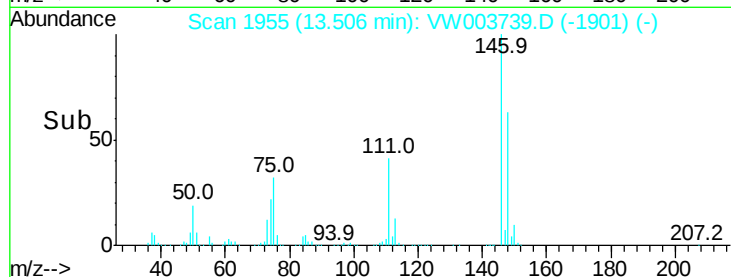
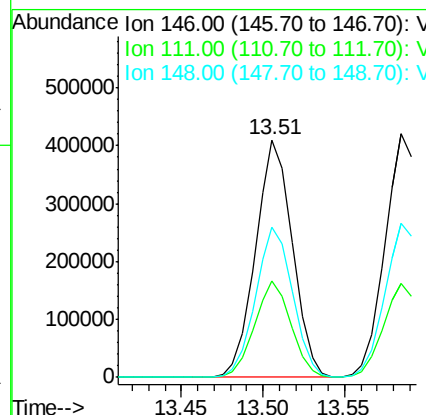
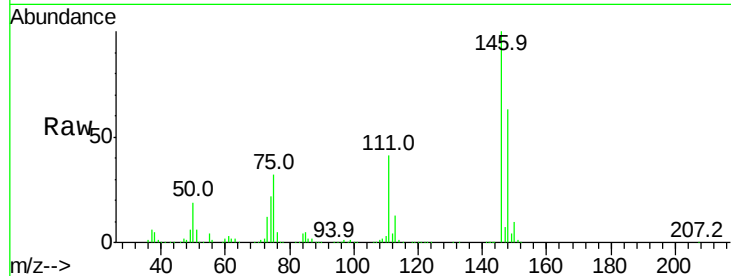




#63
 1,3-Dichlorobenzene
 Concen: 53.469 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003739.D
 Acq: 06 Jul 2018 14:06

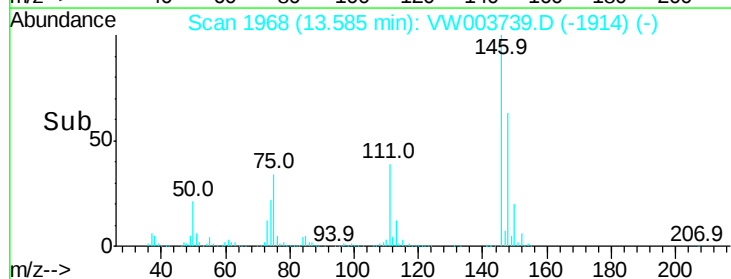
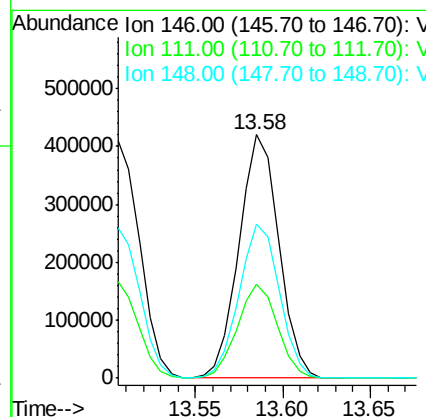
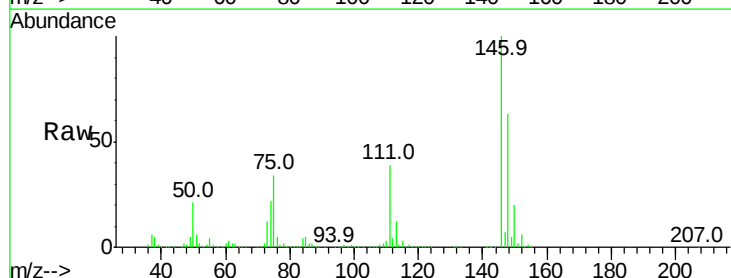
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

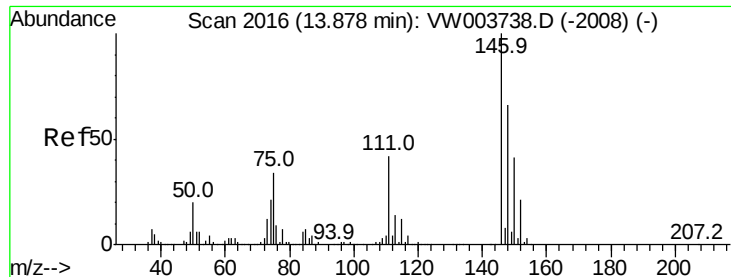
Tgt Ion:146 Resp: 643865
 Ion Ratio Lower Upper
 146 100
 111 40.7 26.9 50.1
 148 63.1 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 52.732 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003739.D
 Acq: 06 Jul 2018 14:06

Tgt Ion:146 Resp: 665743
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.0 50.2
 148 63.5 44.5 82.7

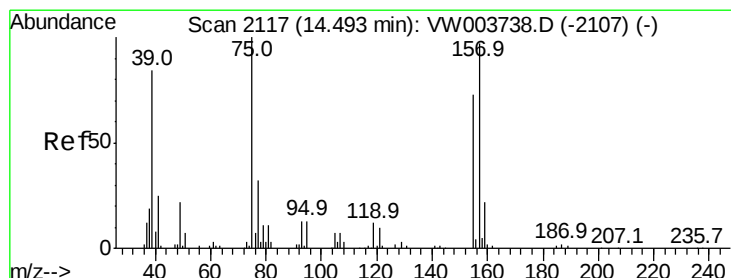
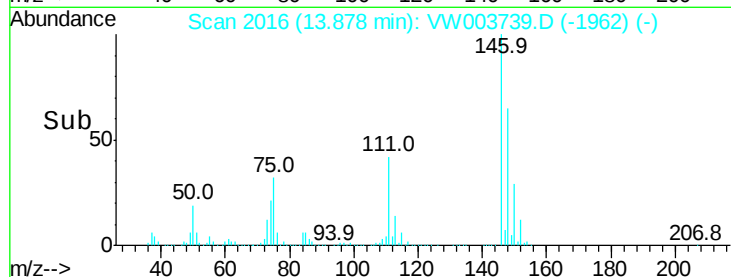
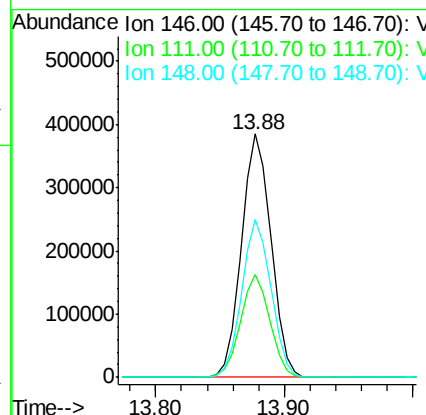
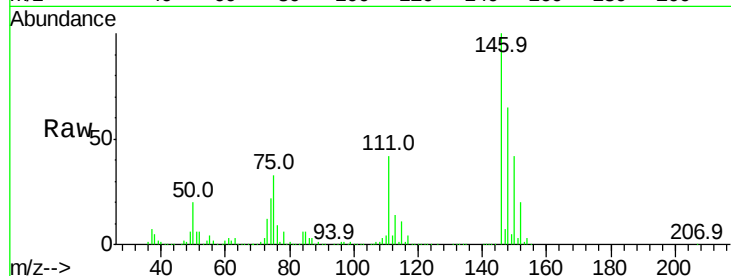




#65
 1,2-Dichlorobenzene
 Concen: 53.083 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003739.D
 Acq: 06 Jul 2018 14:06

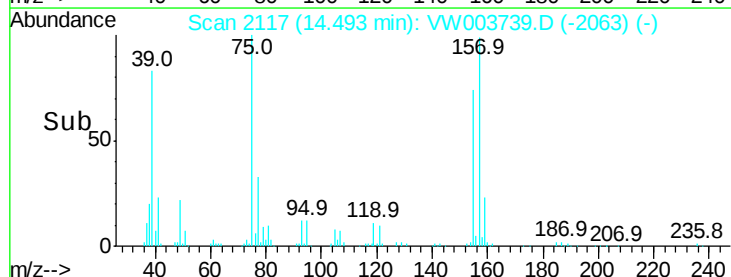
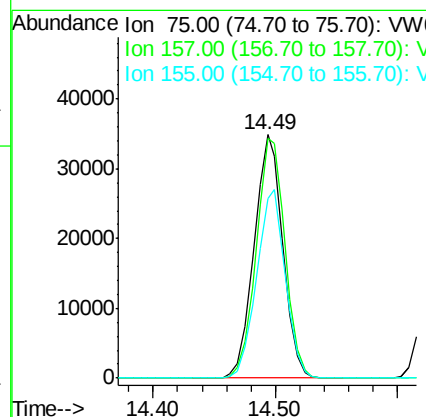
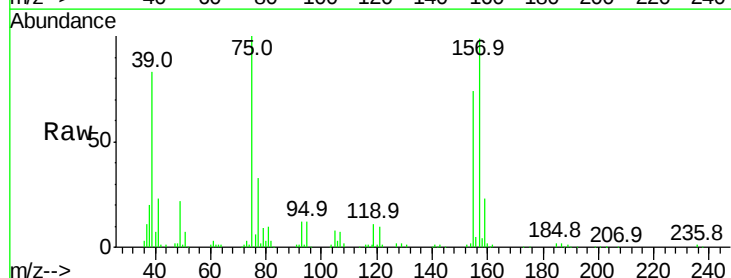
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

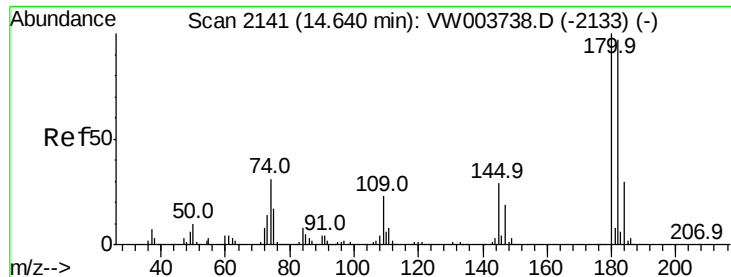
Tgt Ion: 146 Resp: 610290
 Ion Ratio Lower Upper
 146 100
 111 42.4 33.8 50.8
 148 65.1 52.8 79.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 56.215 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003739.D
 Acq: 06 Jul 2018 14:06

Tgt Ion: 75 Resp: 56719
 Ion Ratio Lower Upper
 75 100
 157 98.6 77.3 115.9
 155 73.5 58.2 87.2

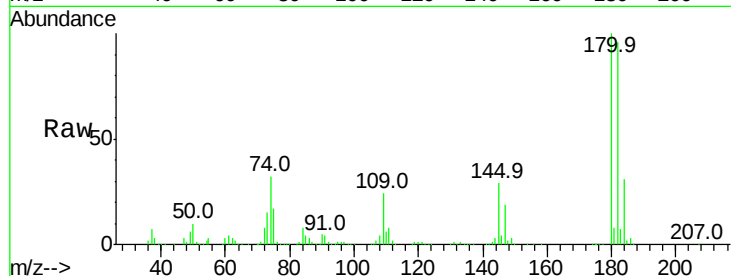




#67
 1,3,5-Trichlorobenzene
 Concen: 53.053 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW003739.D
 Acq: 06 Jul 2018 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	496428		
182	94.9	76.7	115.1	
184	30.4	24.1	36.1	
145	29.6	23.5	35.3	

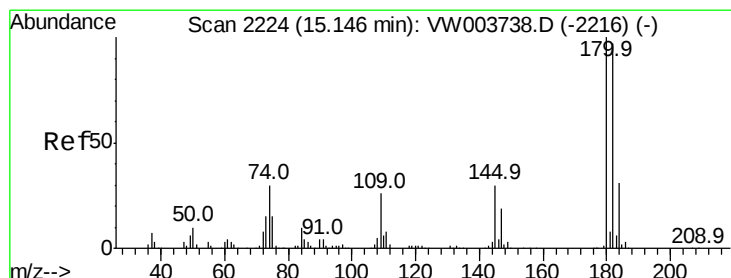
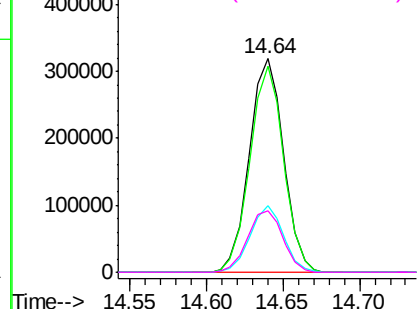
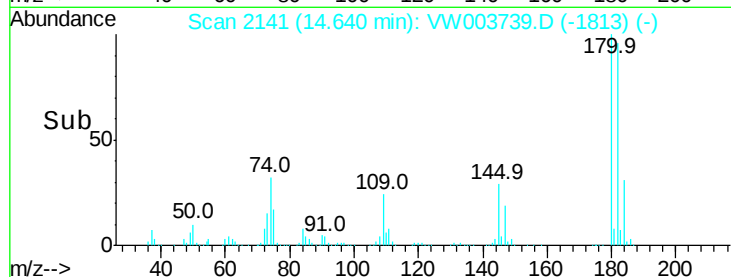


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

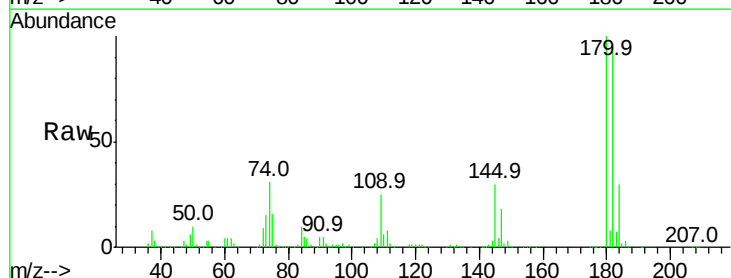
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.465 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003739.D
 Acq: 06 Jul 2018 14:06

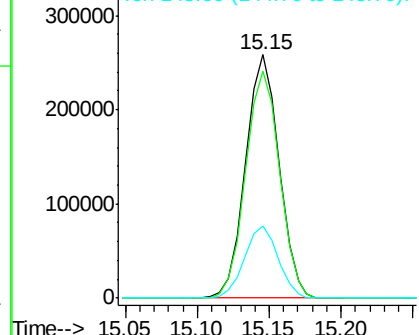
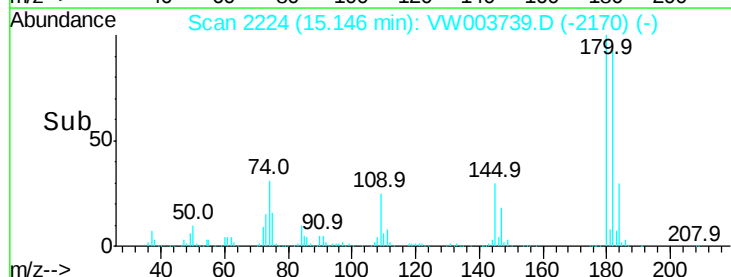
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	414888		
182	95.0	76.2	114.2	
145	29.9	23.8	35.6	

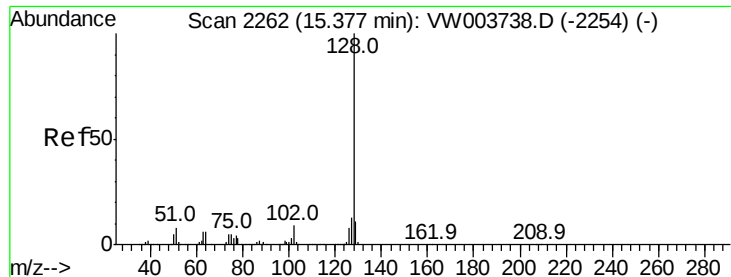


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 65.153 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

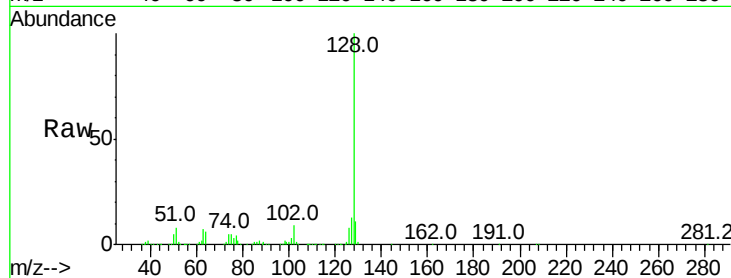
Tgt Ion:128 Resp: 928626

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

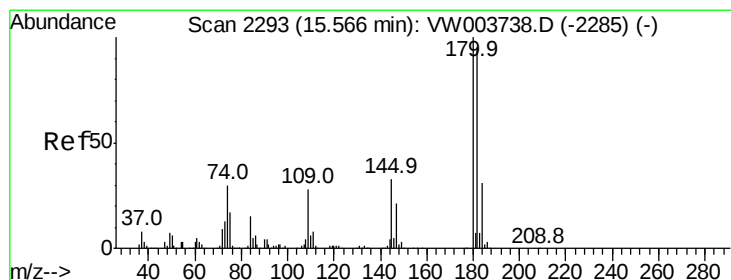
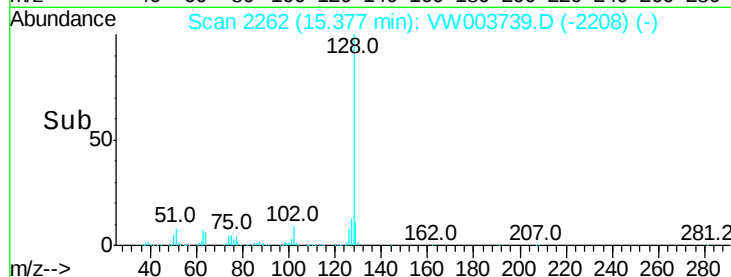
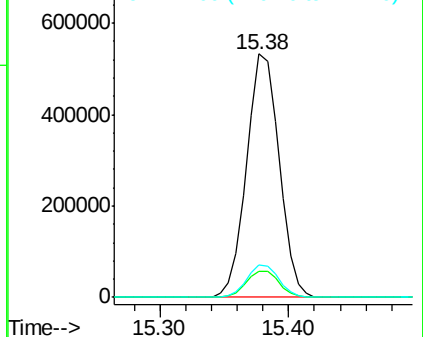
127 13.2 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 55.207 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW003739.D

Acq: 06 Jul 2018 14:06

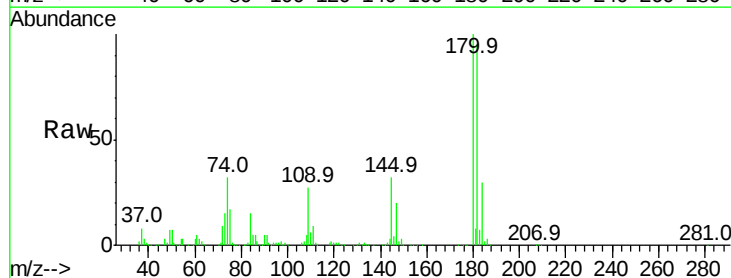
Tgt Ion:180 Resp: 385431

Ion Ratio Lower Upper

180 100

182 94.7 75.4 113.2

145 31.7 25.0 37.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

