

Data File : VW006879.D
Acq On : 14 Nov 2018 19:47
Operator : SY/AP
Sample : VSTD2.586
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.586

Quant Time: Nov 14 20:40:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 14 15:26:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	188240	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	181237	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	87190	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	3707	2.25	ug/L	0.00
7) Chloroethane-d5	2.89	69	3024	2.49	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	10724	2.43	ug/L	0.00
20) 2-Butanone-d5	7.09	46	4308	4.85	ug/L	0.00
24) Chloroform-d	7.65	84	11762	2.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	6934	3.05	ug/L	0.00
29) Benzene-d6	8.27	84	24011	2.57	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	7962	2.82	ug/L	0.00
37) Toluene-d8	10.33	98	25402	2.66	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	3344	2.75	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	3295	4.81	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	6868	2.89	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	9663	3.05	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	6437	2.412 ug/L	100
3) Chloromethane	2.21	50	5266	2.560 ug/L	91
5) Vinyl chloride	2.36	62	4780	2.250 ug/L	89
6) Bromomethane	2.78	94	2552	2.713 ug/L	98
8) Chloroethane	2.92	64	2753	2.438 ug/L	88
9) Trichlorofluoromethane	3.26	101	8798	2.352 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	6138	2.451 ug/L	99
12) 1,1-Dichloroethene	4.04	96	4913	2.215 ug/L	83
13) Acetone	4.14	43	3317	5.893 ug/L	100
14) Carbon disulfide	4.38	76	16675	2.123 ug/L	98
15) Methyl Acetate	4.68	43	3274	2.337 ug/L	95
16) Methylene chloride	4.93	84	11315	3.049 ug/L	92
17) Methyl tert-butyl Ether	5.43	73	15038	2.630 ug/L #	90
18) trans-1,2-Dichloroethene	5.43	96	6244	2.527 ug/L	87
19) 1,1-Dichloroethane	6.23	63	9807	2.387 ug/L	96
21) 2-Butanone	7.18	43	5443	5.598 ug/L #	55
22) cis-1,2-Dichloroethene	7.17	96	6369	2.521 ug/L	93
23) Bromochloromethane	7.52	128	2584	2.532 ug/L	91
25) Chloroform	7.68	83	17273	4.168 ug/L	98
27) 1,2-Dichloroethane	8.41	62	7266	2.688 ug/L #	95
30) Cyclohexane	7.96	56	10632	2.170 ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	9607	2.380 ug/L	97
32) Carbon tetrachloride	8.07	117	8054	2.244 ug/L	98
34) Benzene	8.33	78	23985	2.343 ug/L	100
35) Trichloroethene	9.10	95	6225	2.202 ug/L	97
36) Methylcyclohexane	9.34	83	11418	2.107 ug/L	96
40) 1,2-Dichloropropane	9.37	63	6126	2.447 ug/L #	95
41) Bromodichloromethane	9.65	83	8370	2.793 ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	8777	2.312 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	9355	5.020 ug/L	99

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Instrument :
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Quant Time: Nov 14 20:40:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 14 15:26:31 2018
Response via : Initial Calibration

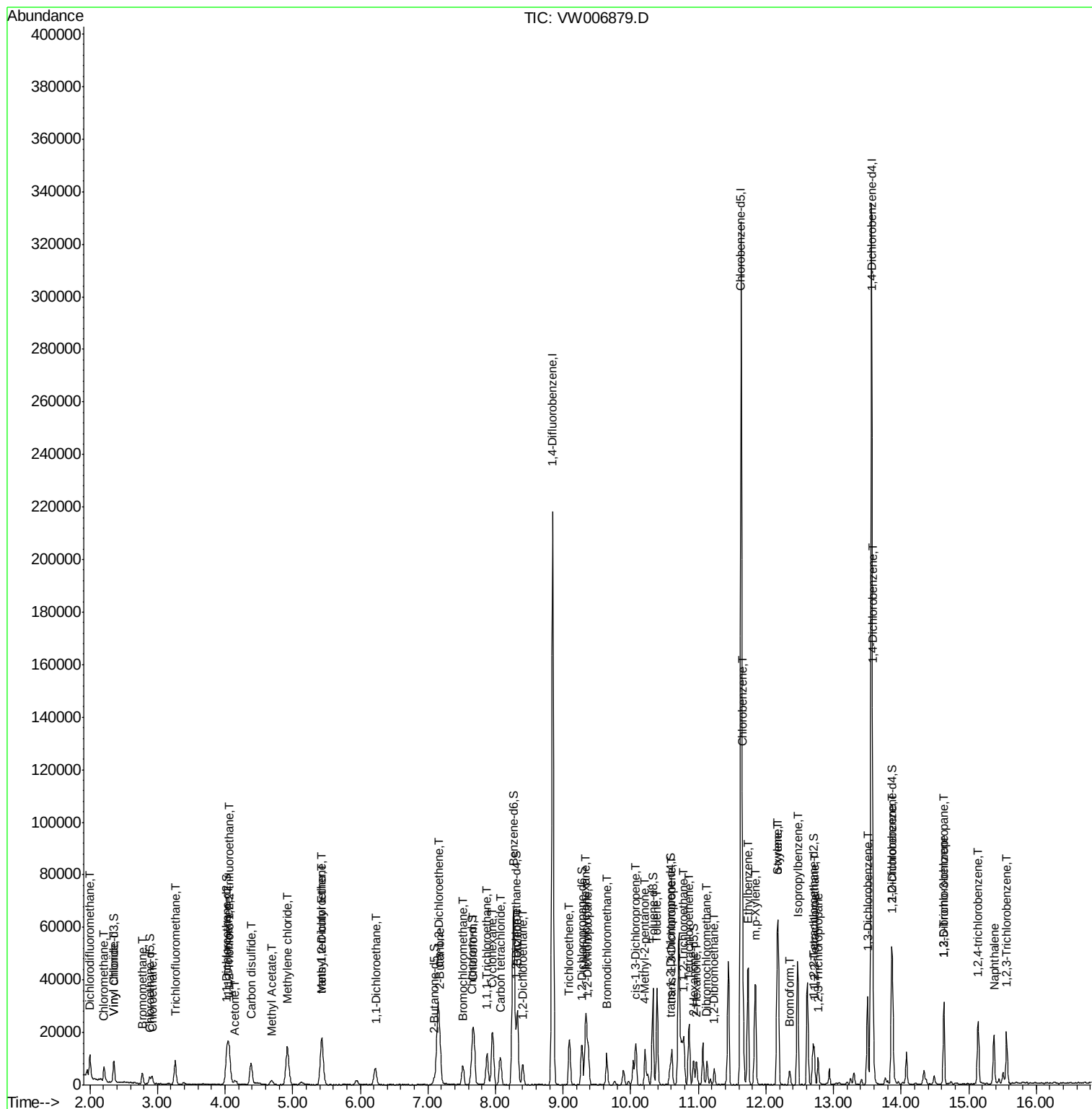
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	27706	2.355	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	7282	2.278	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	4749	2.519	ug/L	93
47) Tetrachloroethene	10.87	164	4701	2.170	ug/L	96
49) 2-Hexanone	10.98	43	6153	4.359	ug/L #	97
50) Dibromochloromethane	11.13	129	4806	2.330	ug/L	100
51) 1,2-Dibromoethane	11.24	107	4374	2.436	ug/L #	97
52) Chlorobenzene	11.66	112	18206	2.486	ug/L	98
53) Ethylbenzene	11.74	91	32786	2.343	ug/L	94
54) m,p-Xylene	11.84	106	12407	2.285	ug/L	97
55) o-xylene	12.17	106	11354	2.292	ug/L	98
56) Styrene	12.18	104	18779	2.296	ug/L	99
57) Isopropylbenzene	12.47	105	31745	2.318	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	5794	2.448	ug/L	93
59) 1,2,3-Trichloropropane	12.77	75	4532	2.457	ug/L	99
62) Bromoform	12.35	173	2501	2.347	ug/L #	94
63) 1,3-Dichlorobenzene	13.51	146	13335	2.325	ug/L	92
64) 1,4-Dichlorobenzene	13.58	146	14001	2.458	ug/L	94
65) 1,2-Dichlorobenzene	13.88	146	12936	2.561	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.63	75	1773	3.867	ug/L #	2
67) 1,3,5-Trichlorobenzene	14.63	180	9084	2.339	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	7101	2.246	ug/L	96
69) Naphthalene	15.38	128	16495	2.205	ug/L	98
70) 1,2,3-Trichlorobenzene	15.57	180	6469	2.319	ug/L	100

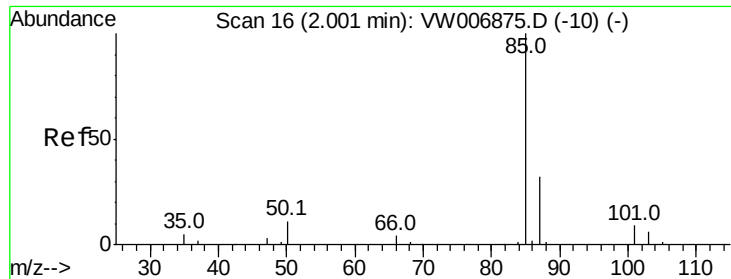
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial      : 1      Sample Multiplier: 1
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VSTD2.586

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.412 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW006879.D

Acq: 14 Nov 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

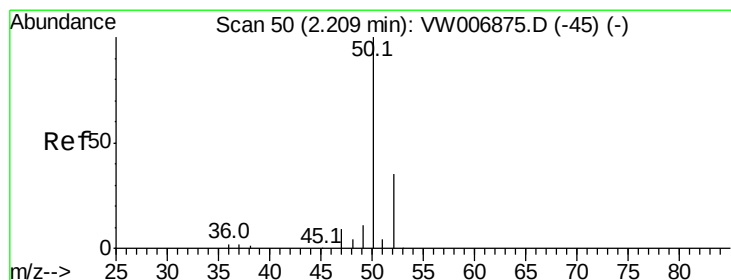
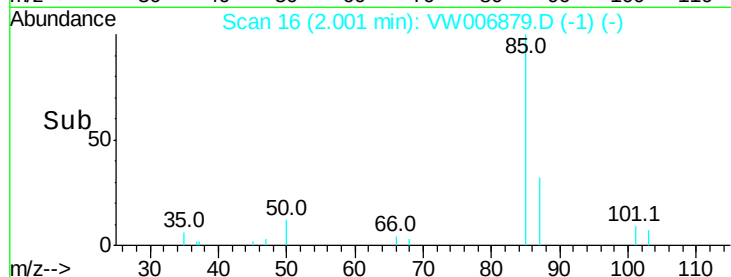
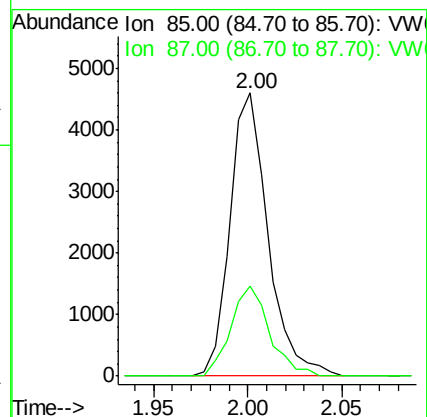
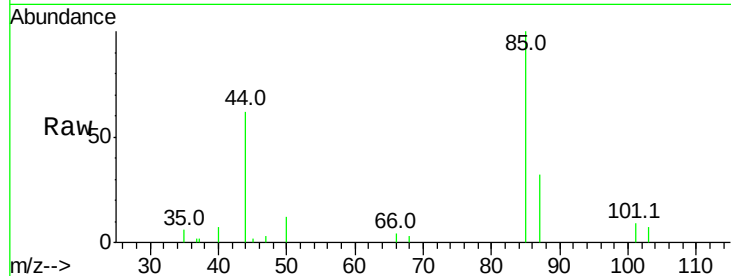
VSTD2.586

Tgt Ion: 85 Resp: 6437

Ion Ratio Lower Upper

85 100

87 32.2 22.6 42.0



#3

Chloromethane

Concen: 2.560 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW006879.D

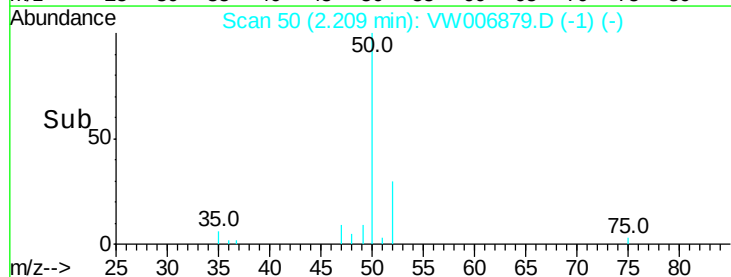
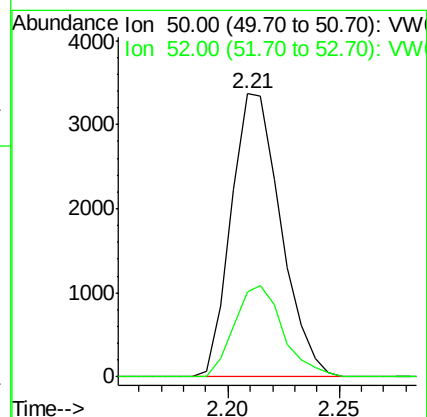
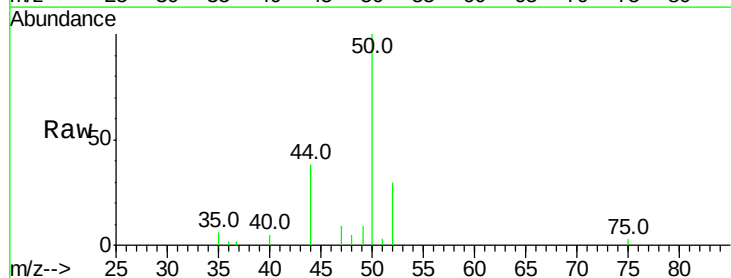
Acq: 14 Nov 2018 19:47

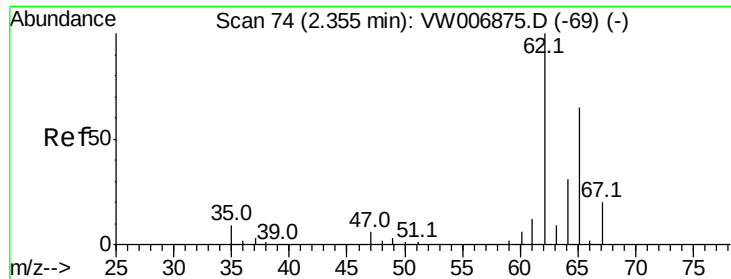
Tgt Ion: 50 Resp: 5266

Ion Ratio Lower Upper

50 100

52 29.8 24.4 45.4





#5

Vinyl chloride

Concen: 2.250 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW006879.D

Acq: 14 Nov 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

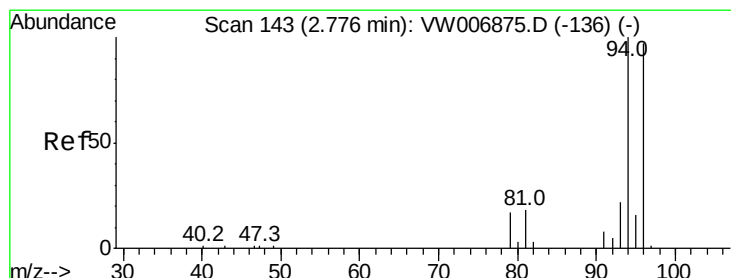
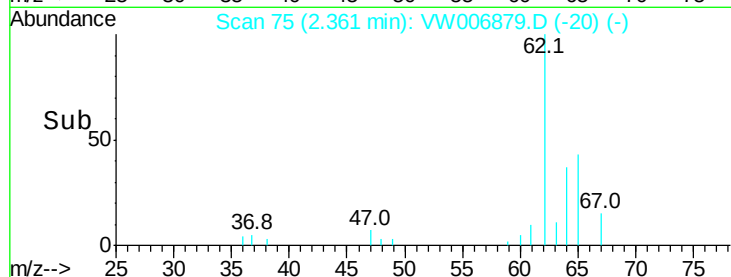
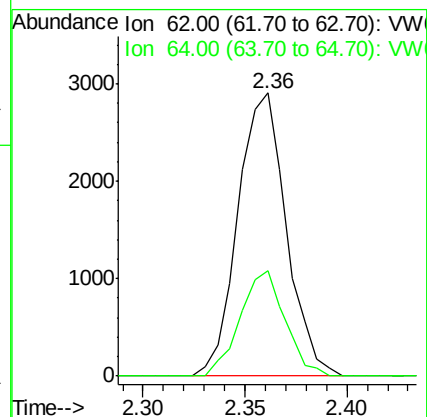
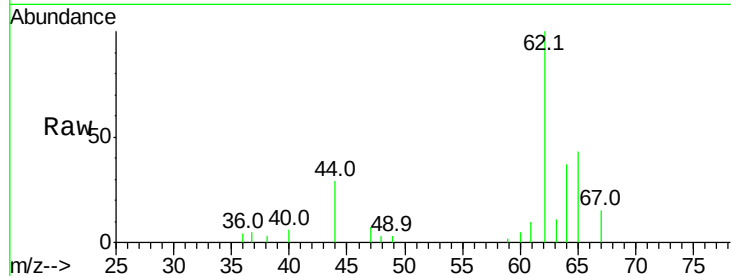
VSTD2.586

Tgt Ion: 62 Resp: 4780

Ion Ratio Lower Upper

62 100

64 37.2 21.9 40.7



#6

Bromomethane

Concen: 2.713 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW006879.D

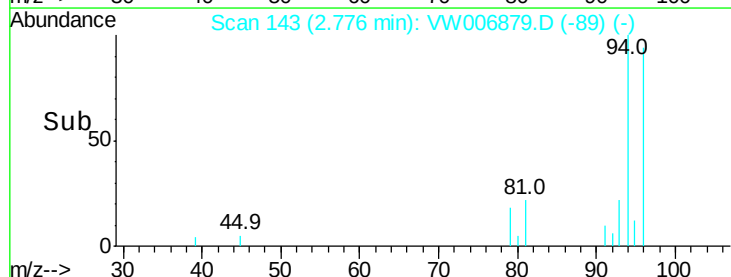
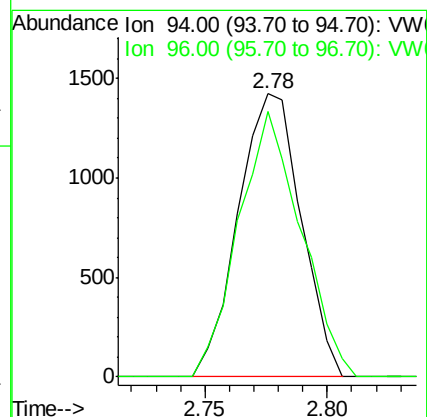
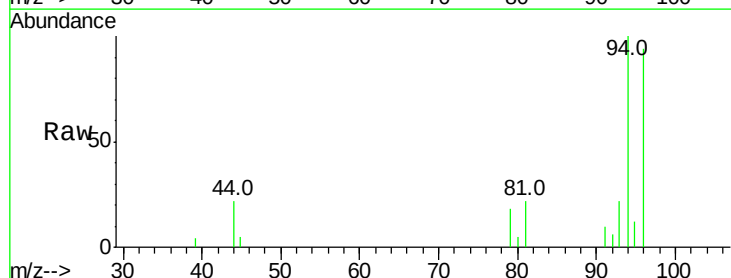
Acq: 14 Nov 2018 19:47

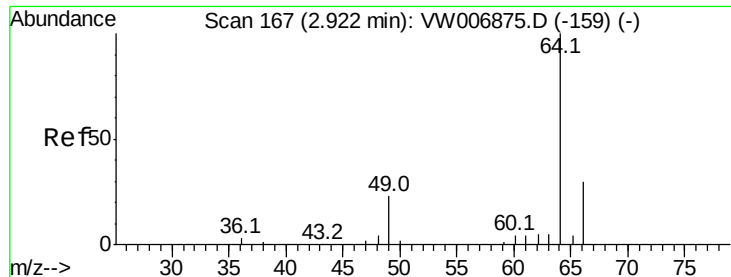
Tgt Ion: 94 Resp: 2552

Ion Ratio Lower Upper

94 100

96 92.9 9.4 179.5

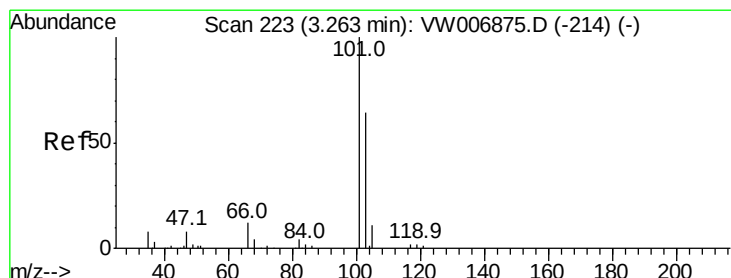
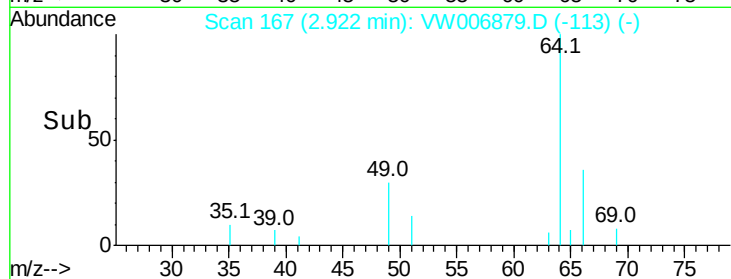
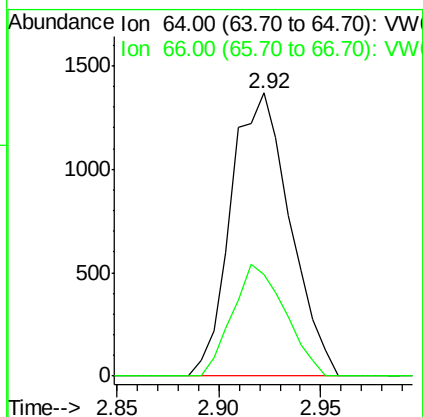
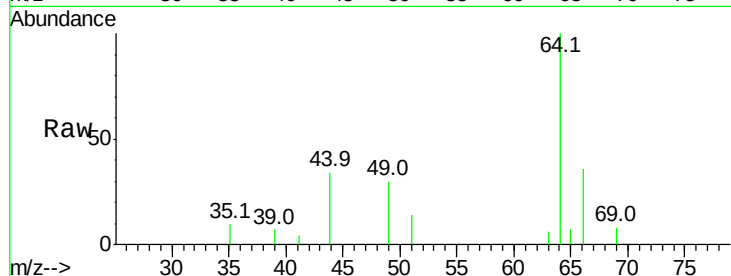




#8
Chloroethane
Concen: 2.438 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.00 min
Lab File: VW006879.D
Acq: 14 Nov 2018 19:47

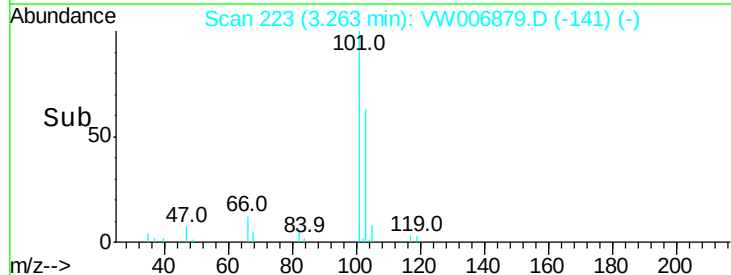
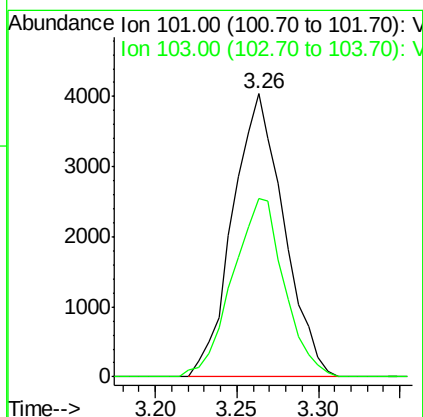
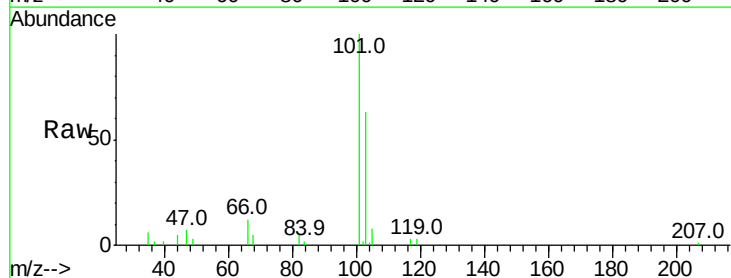
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.586

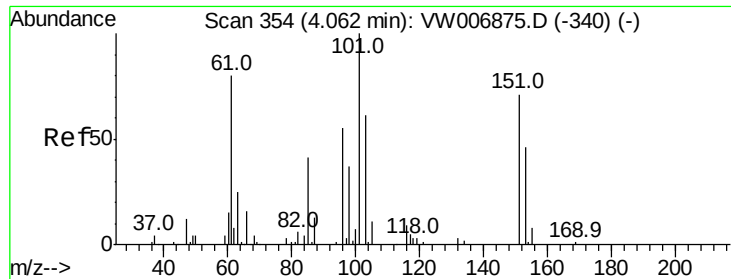
Tgt Ion: 64 Resp: 2753
Ion Ratio Lower Upper
64 100
66 36.0 20.8 38.6



#9
Trichlorofluoromethane
Concen: 2.352 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW006879.D
Acq: 14 Nov 2018 19:47

Tgt Ion: 101 Resp: 8798
Ion Ratio Lower Upper
101 100
103 63.7 46.1 85.5





#11

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

Concen: 2.451 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW006879.D

Acq: 14 Nov 2018 19:47

Instrument :

MSVOA_W

ClientSampled :

VSTD2.586

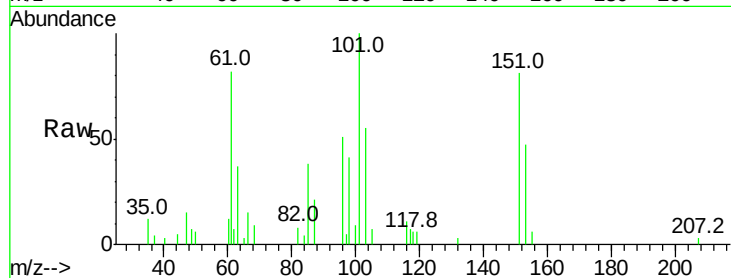
Tgt Ion: 101 Resp: 6138

Ion Ratio Lower Upper

101 100

85 41.3 33.8 50.8

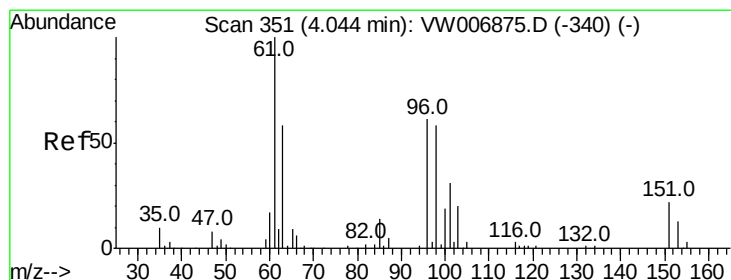
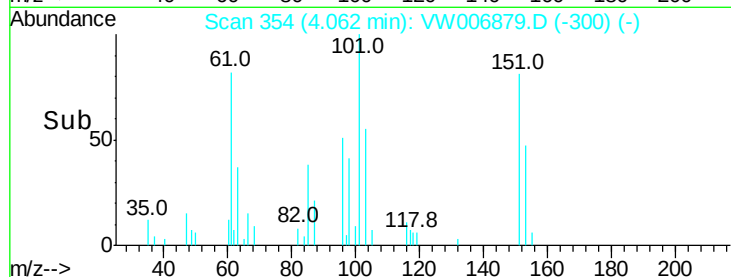
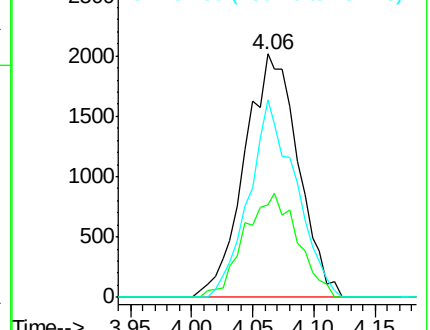
151 70.8 57.5 86.3



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: 2.215 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW006879.D

Acq: 14 Nov 2018 19:47

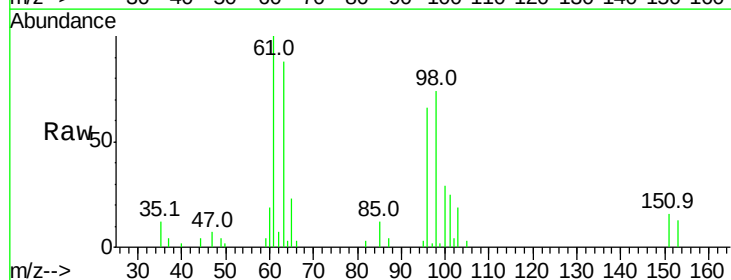
Tgt Ion: 96 Resp: 4913

Ion Ratio Lower Upper

96 100

61 152.3 116.3 215.9

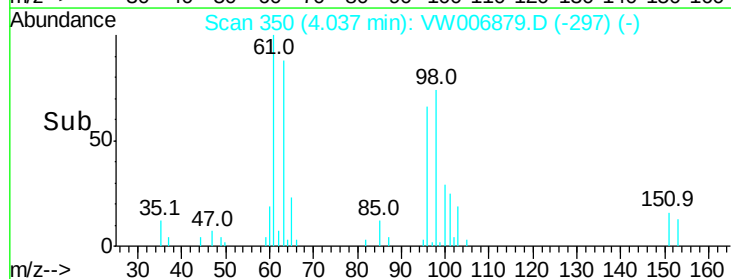
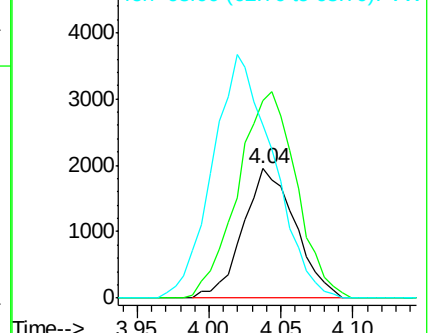
63 134.1 73.4 136.4

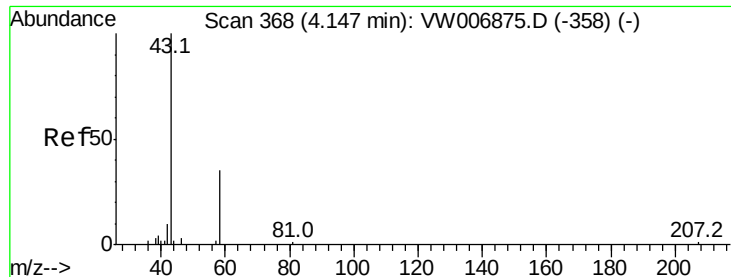


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 5.893 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006879.D

Acq: 14 Nov 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

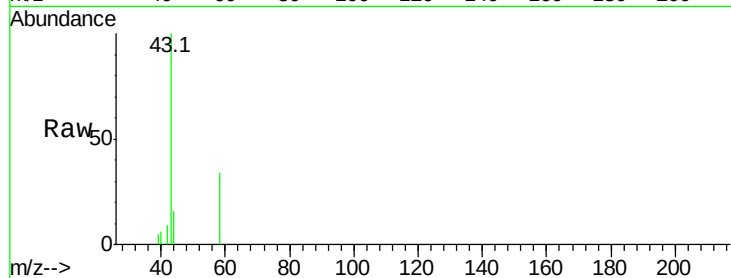
VSTD2.586

Tgt Ion: 43 Resp: 3317

Ion Ratio Lower Upper

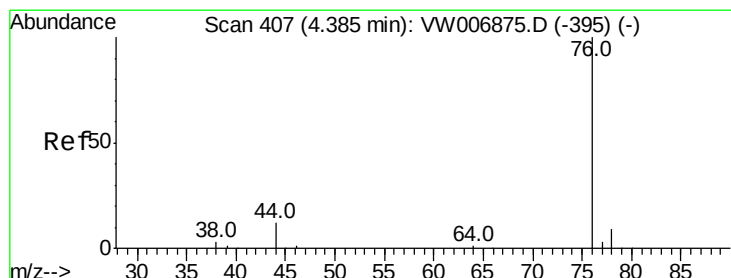
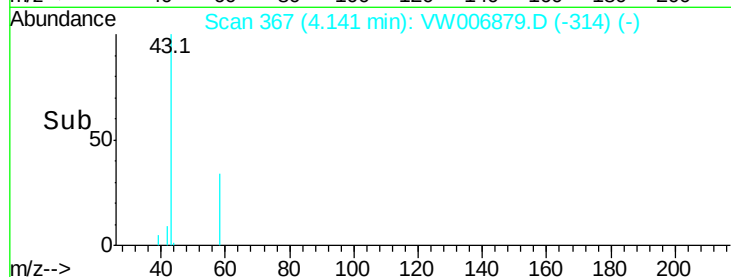
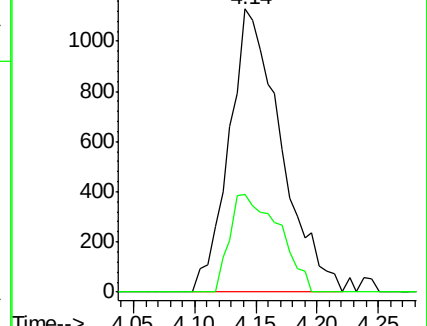
43 100

58 32.9 0.0 65.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 2.123 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW006879.D

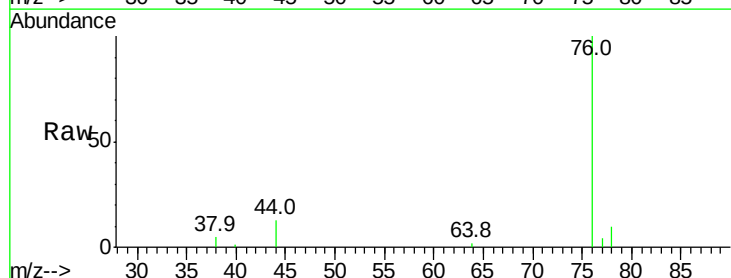
Acq: 14 Nov 2018 19:47

Tgt Ion: 76 Resp: 16675

Ion Ratio Lower Upper

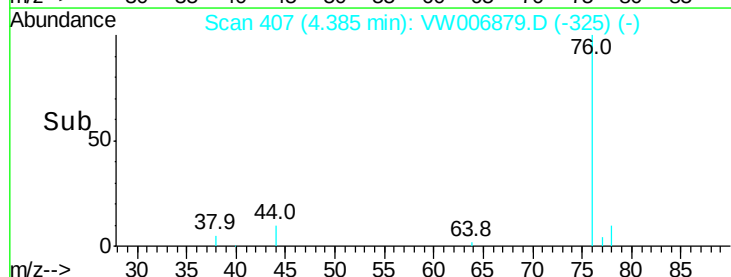
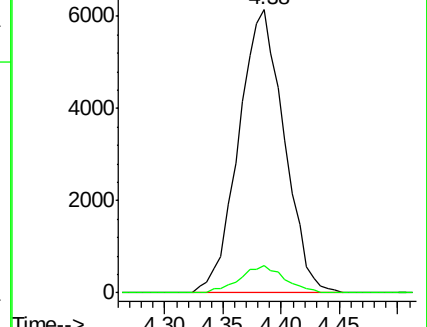
76 100

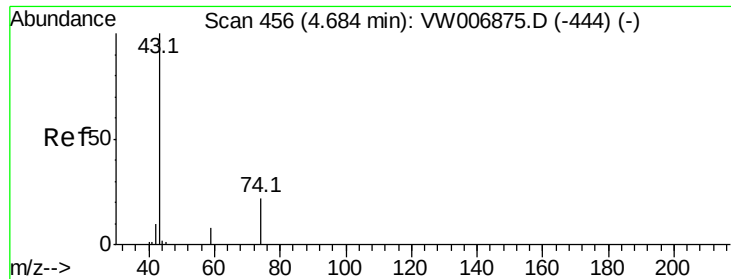
78 9.9 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

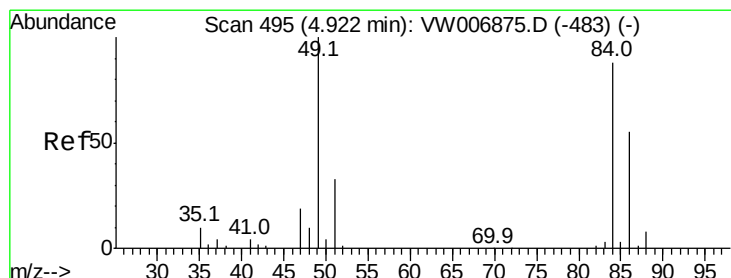
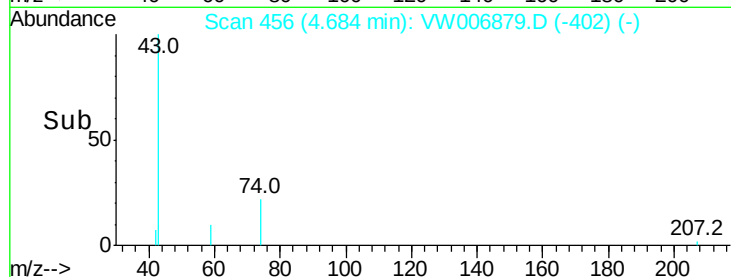
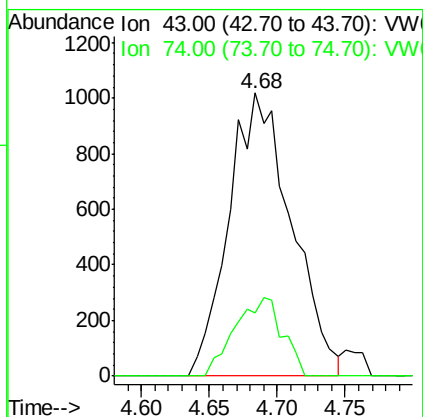
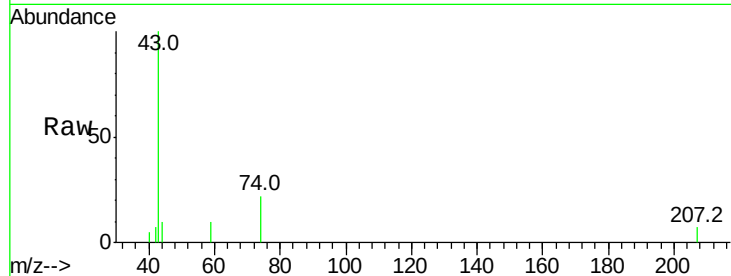




#15
Methyl Acetate
Concen: 2.337 ug/L
RT: 4.68 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW006879.D
Acq: 14 Nov 2018 19:47

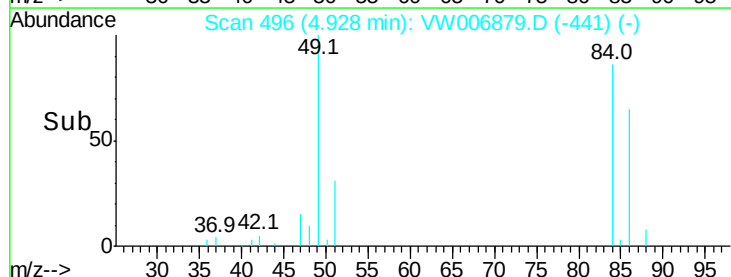
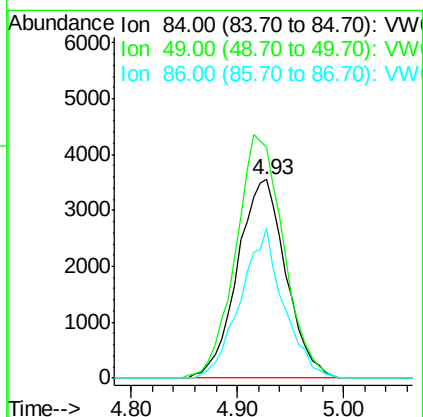
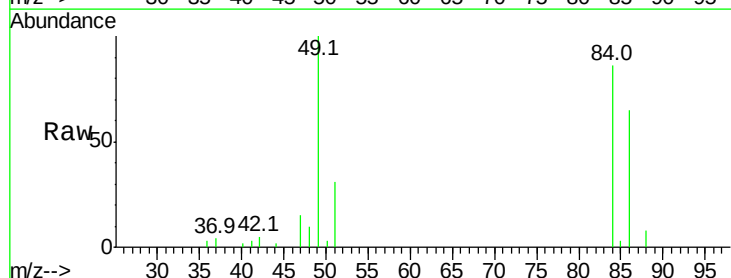
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.586

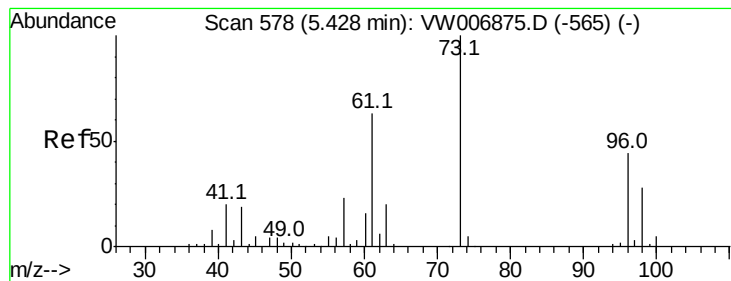
Tgt Ion: 43 Resp: 3274
Ion Ratio Lower Upper
43 100
74 21.1 18.8 28.2



#16
Methylene chloride
Concen: 3.049 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW006879.D
Acq: 14 Nov 2018 19:47

Tgt Ion: 84 Resp: 11315
Ion Ratio Lower Upper
84 100
49 116.5 79.3 147.3
86 76.0 43.5 80.9





#17

Methyl tert-butyl Ether

Concen: 2.630 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW006879.D

Acq: 14 Nov 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.586

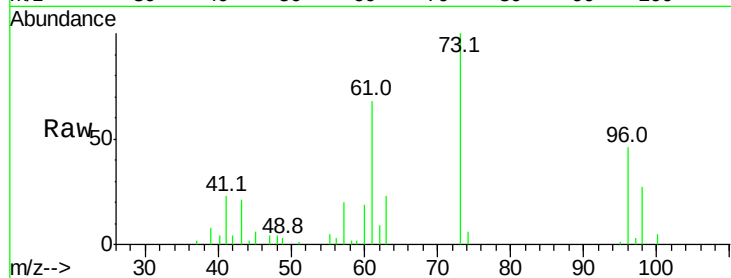
Tgt Ion: 73 Resp: 15038

Ion Ratio Lower Upper

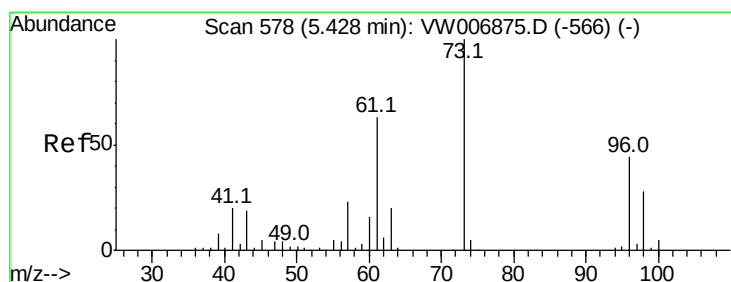
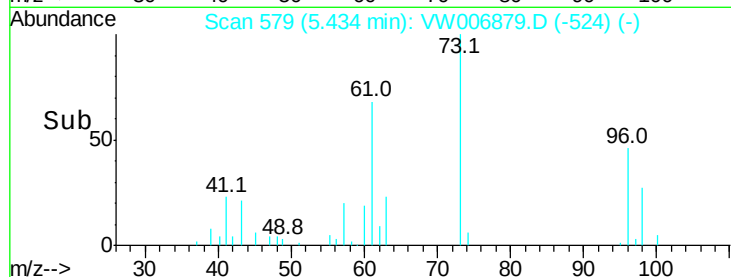
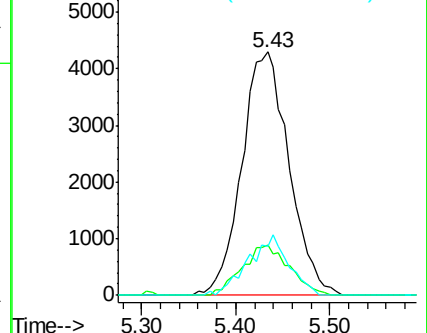
73 100

43 20.7 15.6 23.4

57 14.2 17.8 26.8#



Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 2.527 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW006879.D

Acq: 14 Nov 2018 19:47

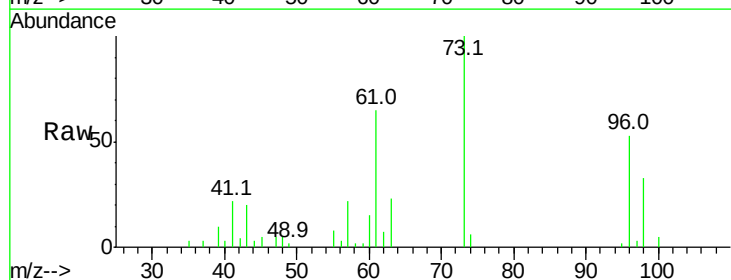
Tgt Ion: 96 Resp: 6244

Ion Ratio Lower Upper

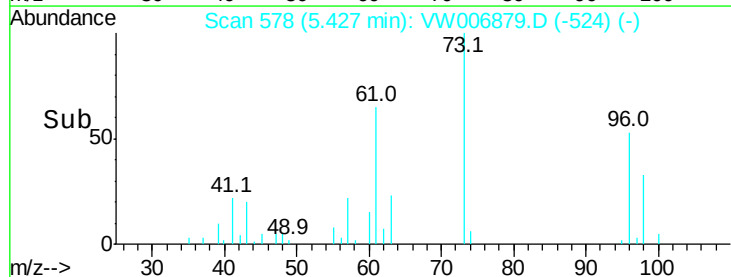
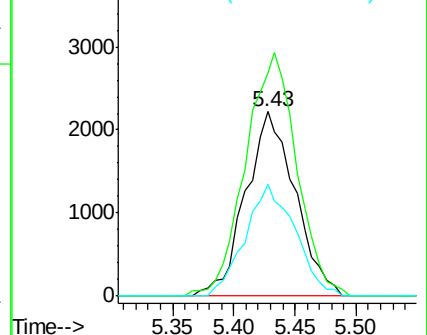
96 100

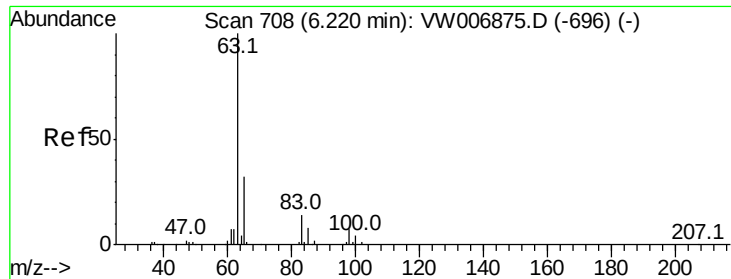
61 121.1 99.6 185.0

98 60.9 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 2.387 ug/L

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW006879.D

Acq: 14 Nov 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.586

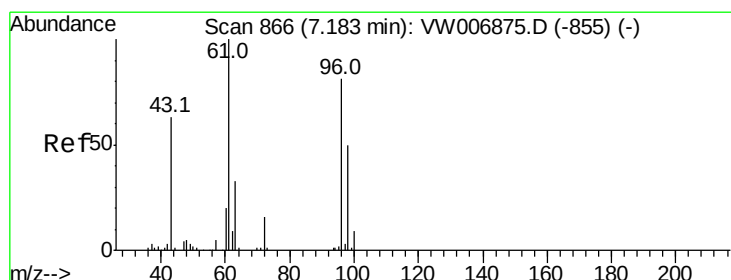
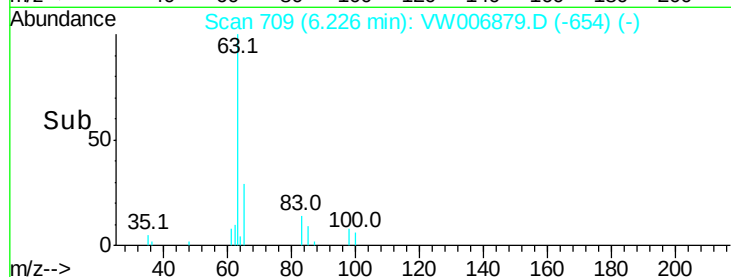
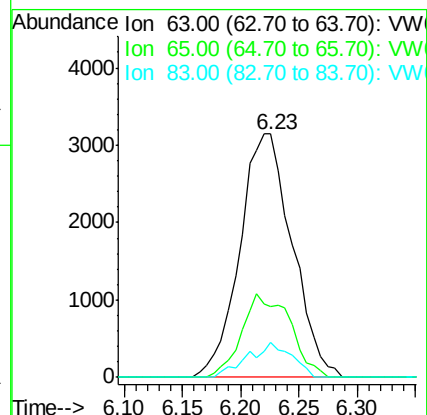
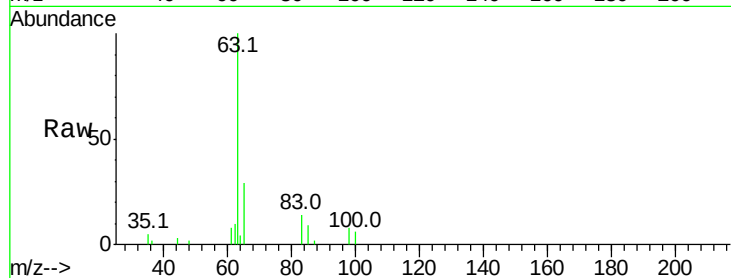
Tgt Ion: 63 Resp: 9807

Ion Ratio Lower Upper

63 100

65 28.9 22.0 41.0

83 14.4 9.5 17.7



#21

2-Butanone

Concen: 5.598 ug/L

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006879.D

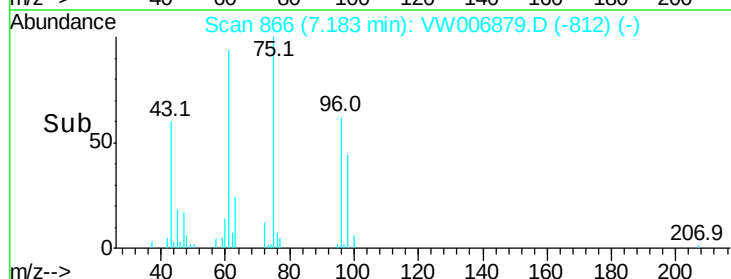
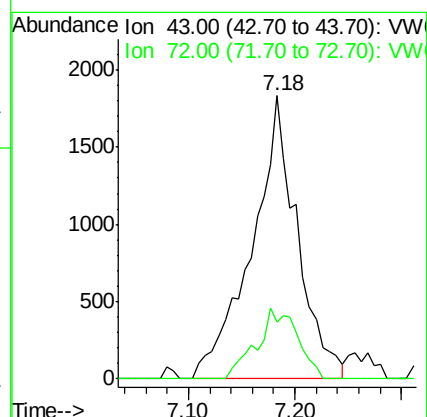
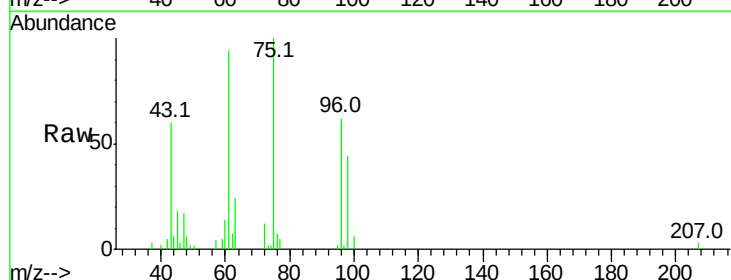
Acq: 14 Nov 2018 19:47

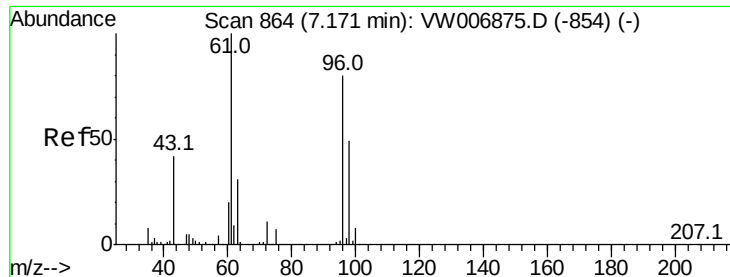
Tgt Ion: 43 Resp: 5443

Ion Ratio Lower Upper

43 100

72 3.5 13.5 40.5#



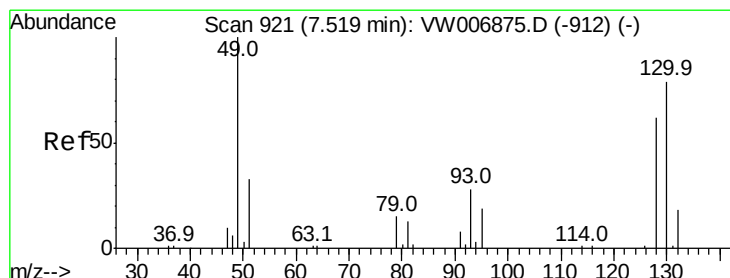
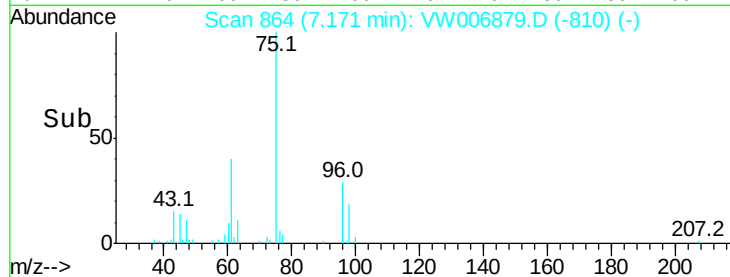
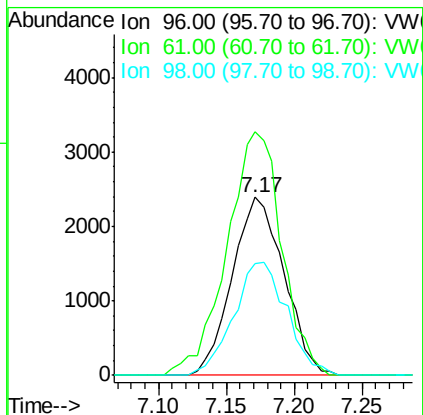
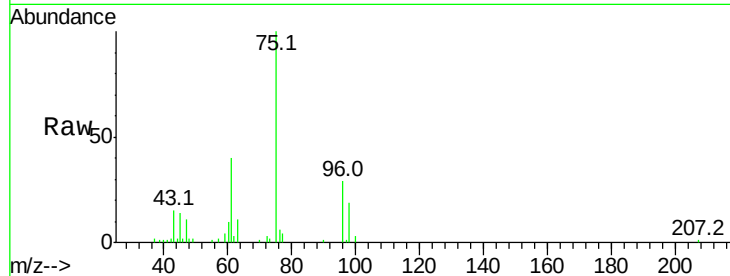


#22

cis-1,2-Dichloroethene
Concen: 2.521 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW006879.D
Acq: 14 Nov 2018 19:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.586

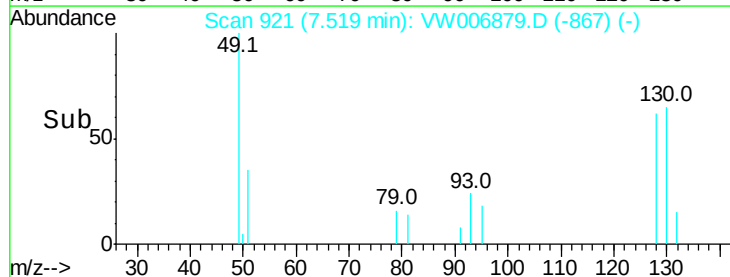
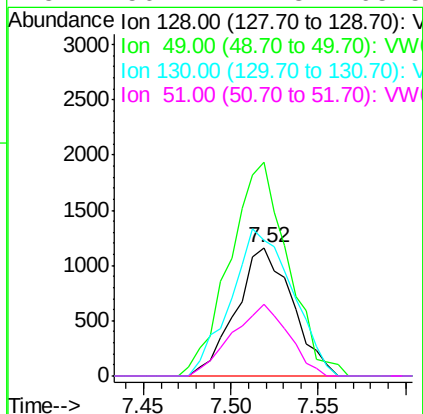
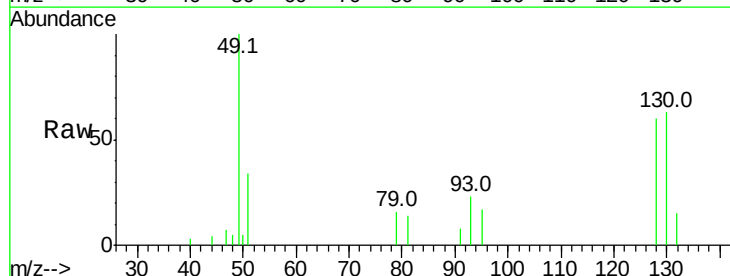
Tgt Ion: 96 Resp: 6369
Ion Ratio Lower Upper
96 100
61 136.9 88.1 163.7
98 63.0 43.1 80.1

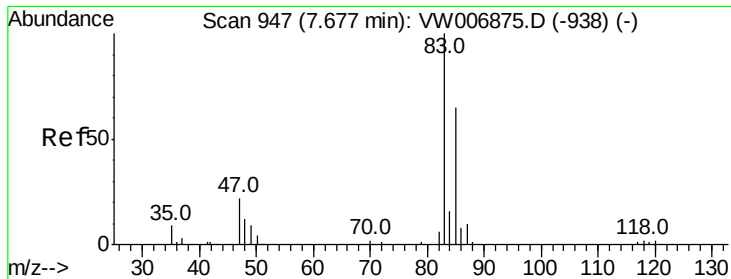


#23

Bromochloromethane
Concen: 2.532 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW006879.D
Acq: 14 Nov 2018 19:47

Tgt Ion: 128 Resp: 2584
Ion Ratio Lower Upper
128 100
49 166.2 114.0 211.8
130 105.2 89.7 166.7
51 56.1 42.3 63.5

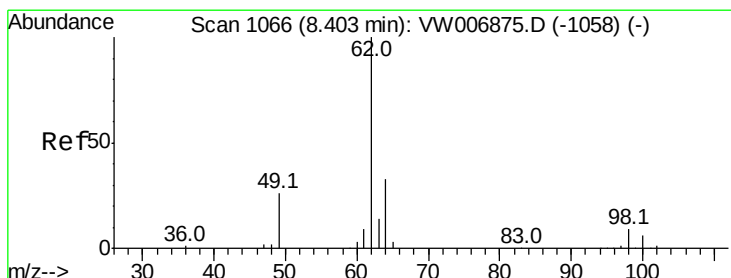
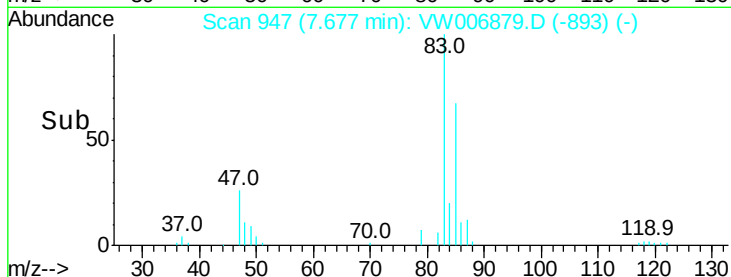
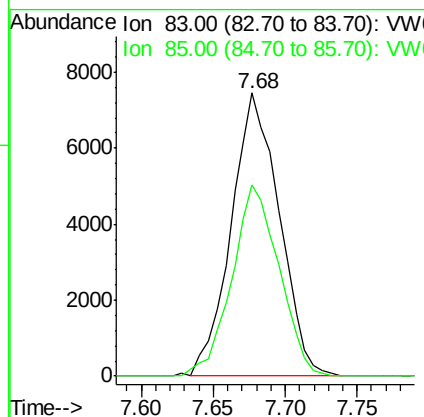
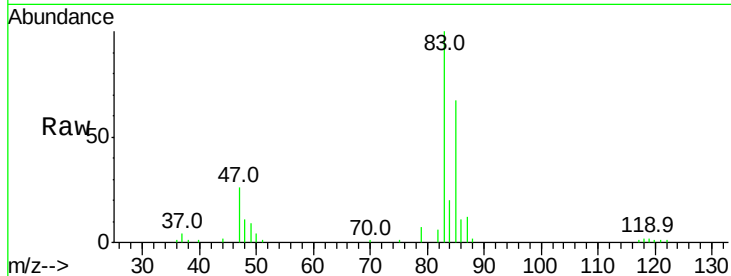




#25
Chloroform
Concen: 4.168 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW006879.D
Acq: 14 Nov 2018 19:47

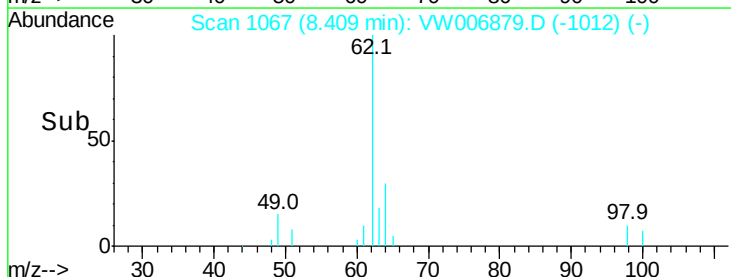
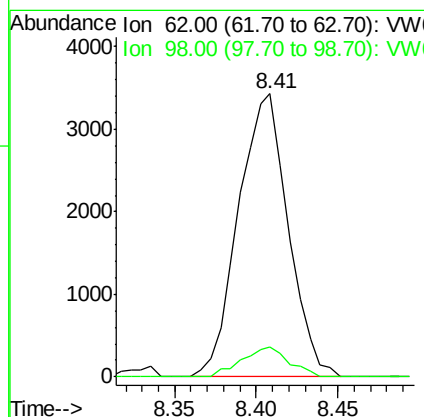
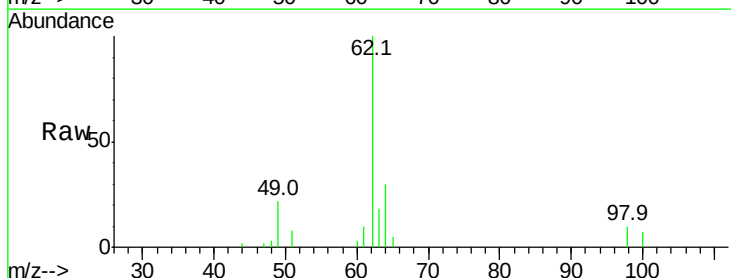
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.586

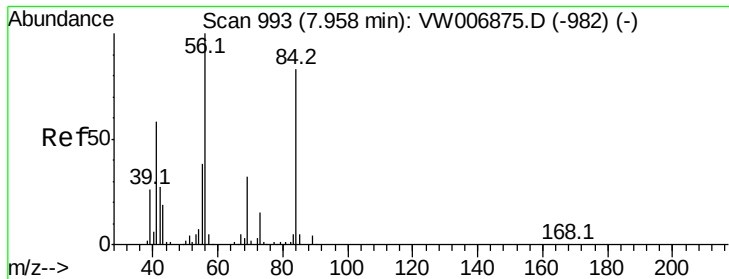
Tgt Ion: 83 Resp: 17273
Ion Ratio Lower Upper
83 100
85 66.2 45.4 84.2



#27
1,2-Dichloroethane
Concen: 2.688 ug/L
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW006879.D
Acq: 14 Nov 2018 19:47

Tgt Ion: 62 Resp: 7266
Ion Ratio Lower Upper
62 100
98 10.4 7.0 10.4#

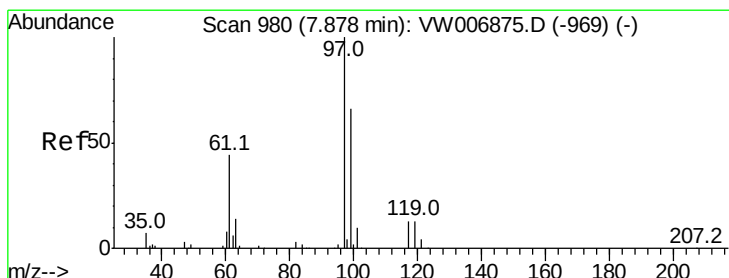
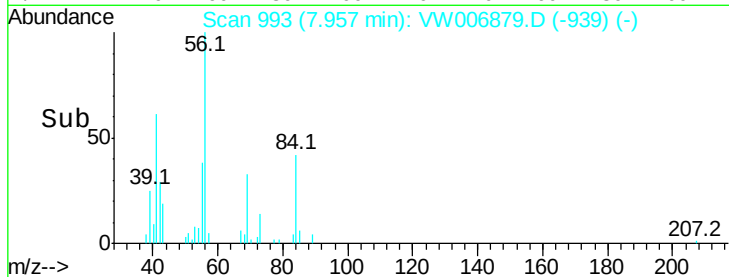
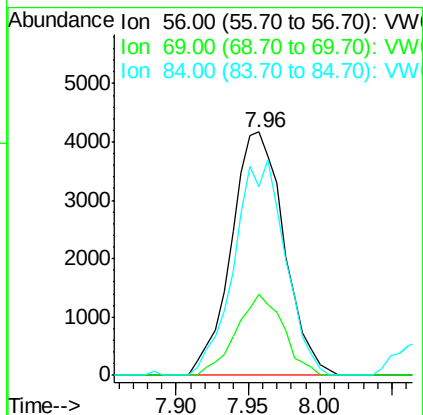
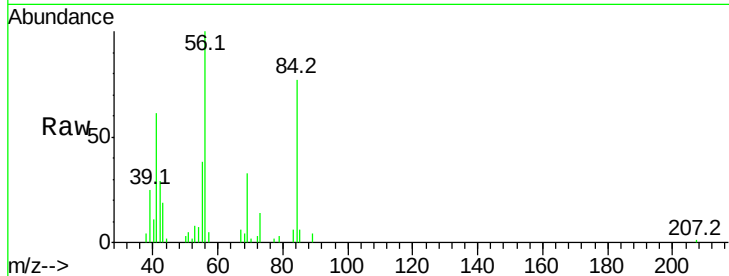




#30
Cyclohexane
Concen: 2.170 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW006879.D
Acq: 14 Nov 2018 19:47

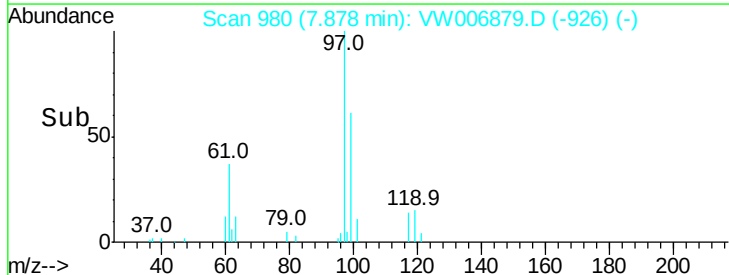
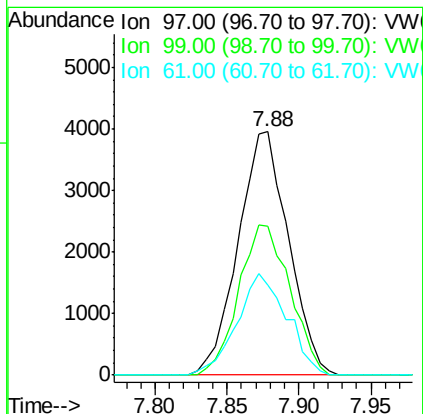
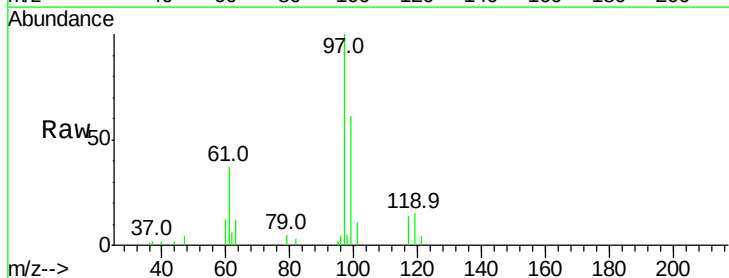
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.586

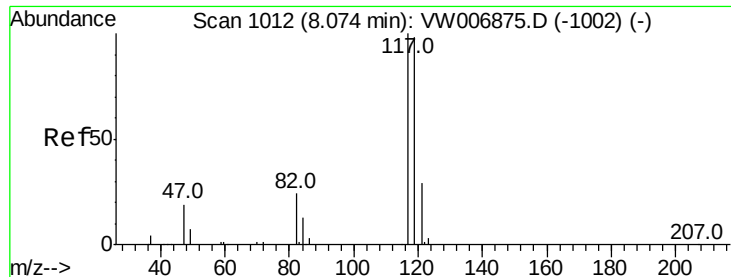
Tgt Ion: 56 Resp: 10632
Ion Ratio Lower Upper
56 100
69 29.7 25.1 37.7
84 85.2 68.7 103.1



#31
1,1,1-Trichloroethane
Concen: 2.380 ug/L
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW006879.D
Acq: 14 Nov 2018 19:47

Tgt Ion: 97 Resp: 9607
Ion Ratio Lower Upper
97 100
99 62.6 52.2 78.2
61 41.3 34.5 51.7





#32

Carbon tetrachloride

Concen: 2.244 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW006879.D

Acq: 14 Nov 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

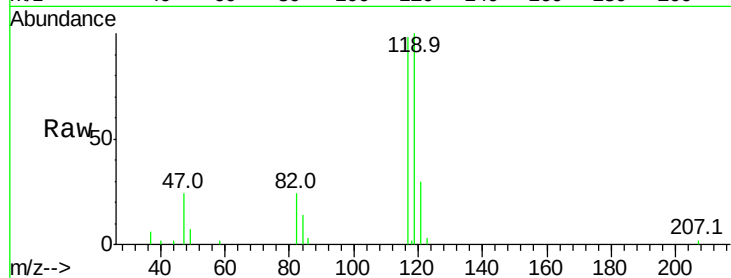
VSTD2.586

Tgt Ion:117 Resp: 8054

Ion Ratio Lower Upper

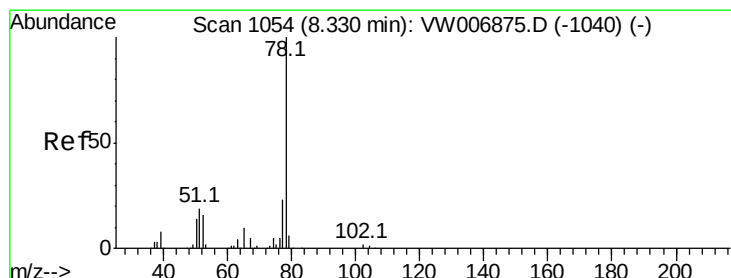
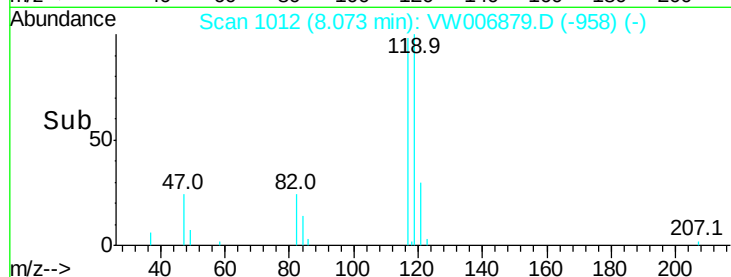
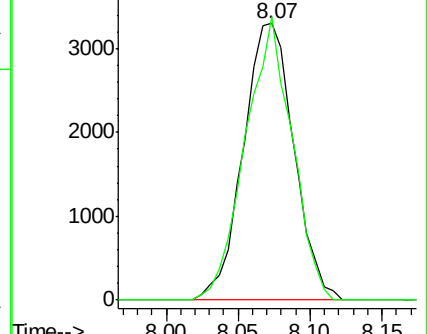
117 100

119 94.4 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.343 ug/L

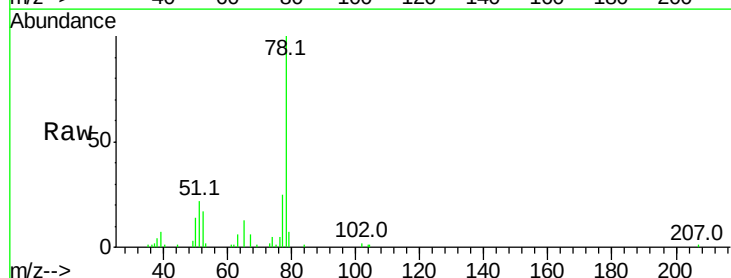
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

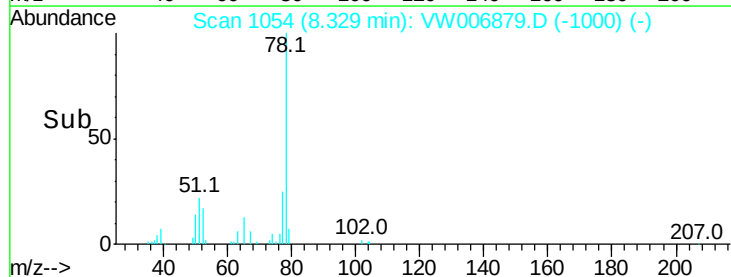
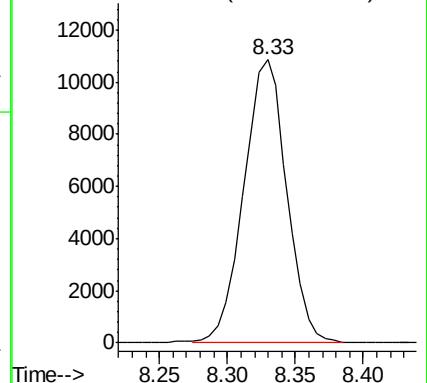
Lab File: VW006879.D

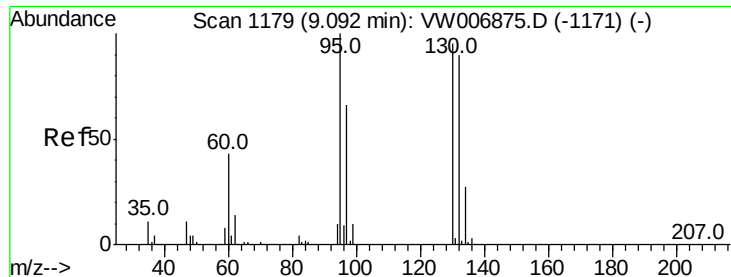
Acq: 14 Nov 2018 19:47

Tgt Ion: 78 Resp: 23985



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 2.202 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW006879.D

Acq: 14 Nov 2018 19:47

Instrument :

MSVOA_W

ClientSampled :

VSTD2.586

Tgt Ion: 95 Resp: 6225

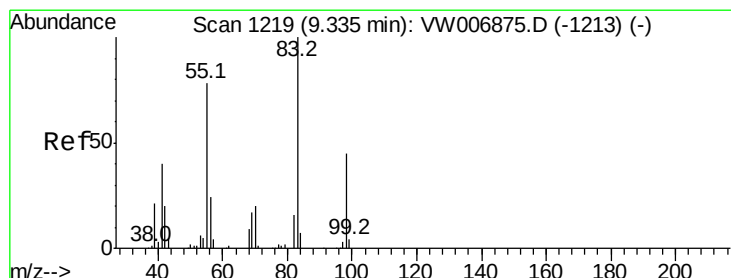
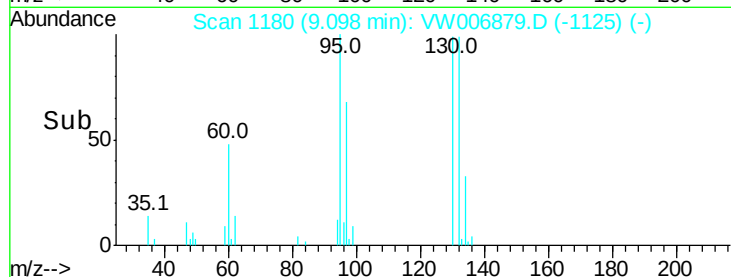
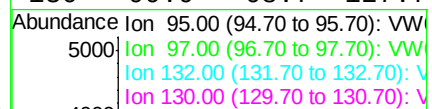
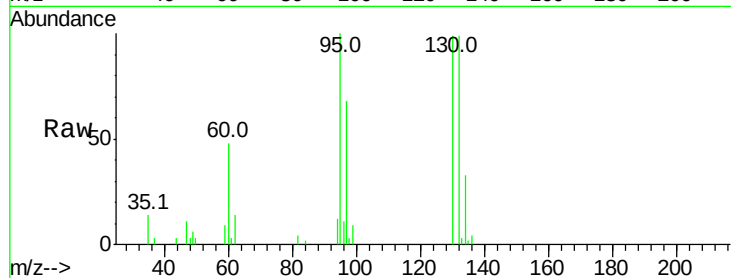
Ion Ratio Lower Upper

95 100

97 63.3 45.1 83.9

132 100.2 65.7 121.9

130 99.9 68.7 127.7



#36

Methylcyclohexane

Concen: 2.107 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW006879.D

Acq: 14 Nov 2018 19:47

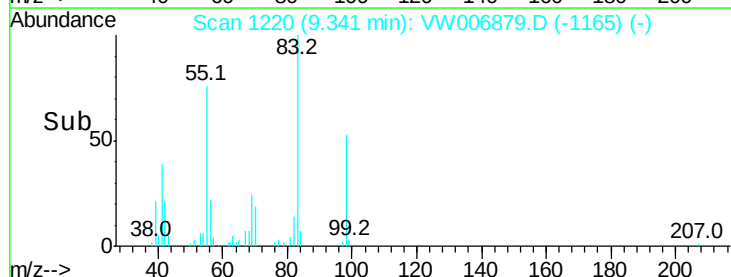
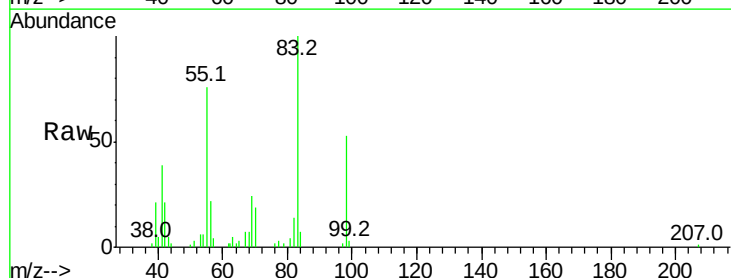
Tgt Ion: 83 Resp: 11418

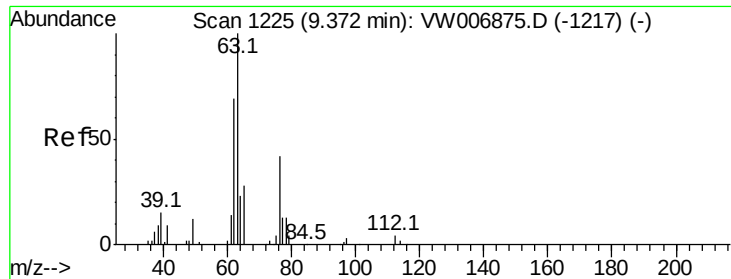
Ion Ratio Lower Upper

83 100

55 78.3 60.2 90.2

98 49.0 36.5 54.7

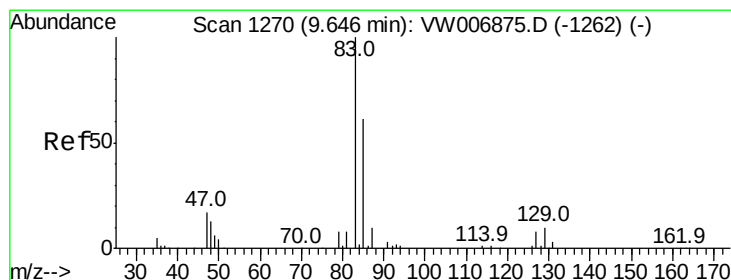
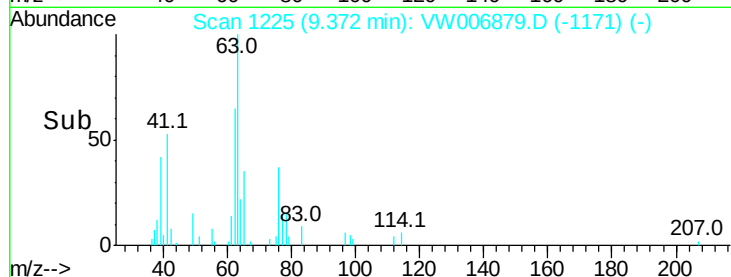
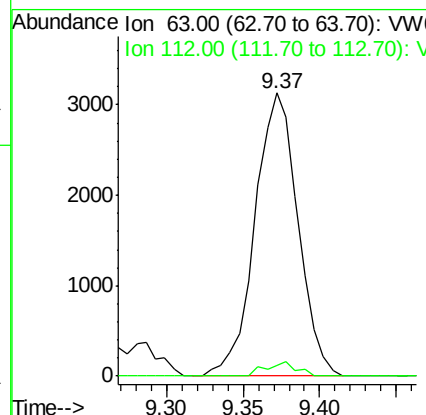
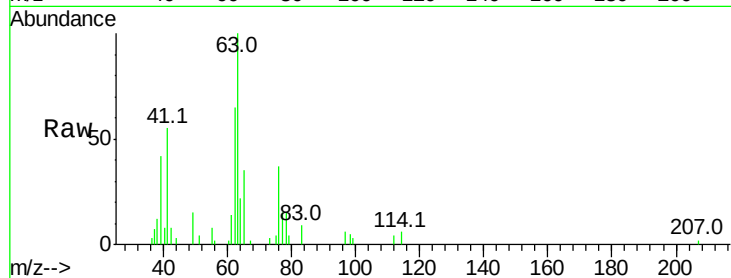




#40
 1,2-Dichloropropane
 Concen: 2.447 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006879.D
 Acq: 14 Nov 2018 19:47

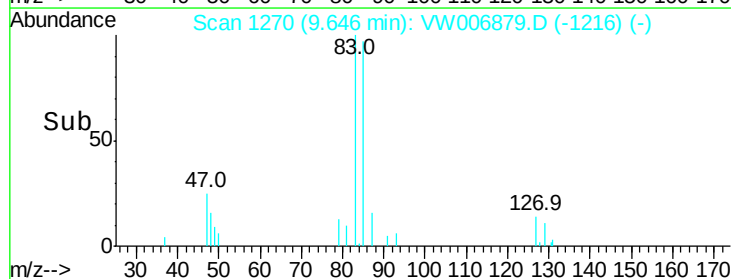
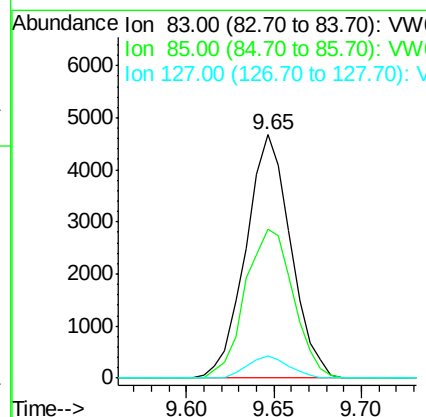
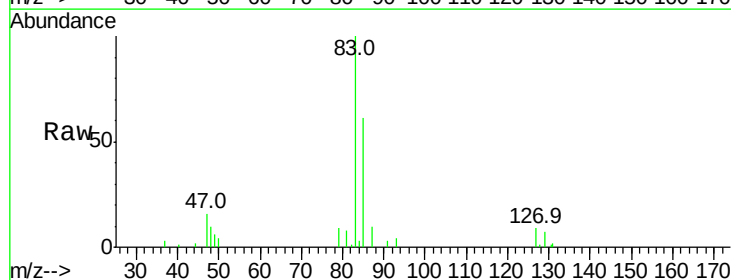
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.586

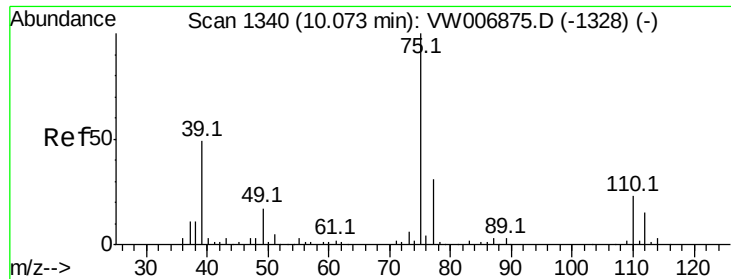
Tgt Ion: 63 Resp: 6126
 Ion Ratio Lower Upper
 63 100
 112 2.4 3.1 4.7#



#41
 Bromodichloromethane
 Concen: 2.793 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW006879.D
 Acq: 14 Nov 2018 19:47

Tgt Ion: 83 Resp: 8370
 Ion Ratio Lower Upper
 83 100
 85 61.0 42.4 78.6
 127 8.9 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 2.312 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW006879.D

Acq: 14 Nov 2018 19:47

Instrument :

MSVOA_W

ClientSampled :

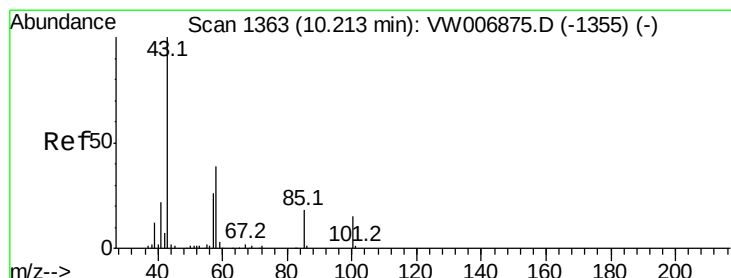
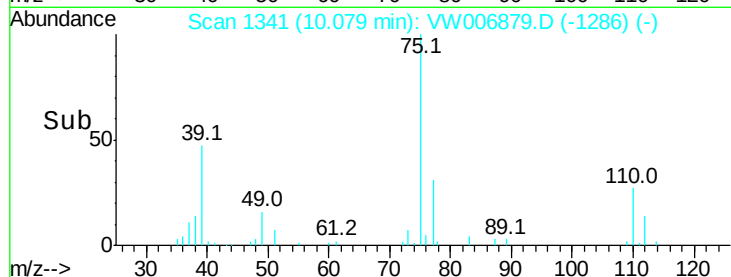
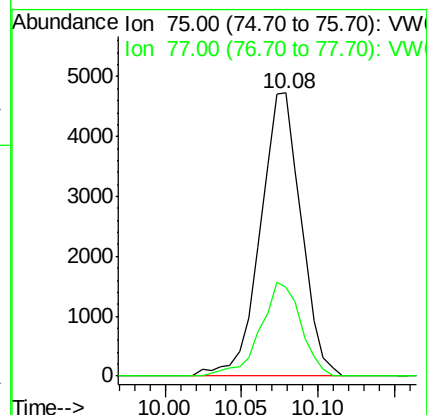
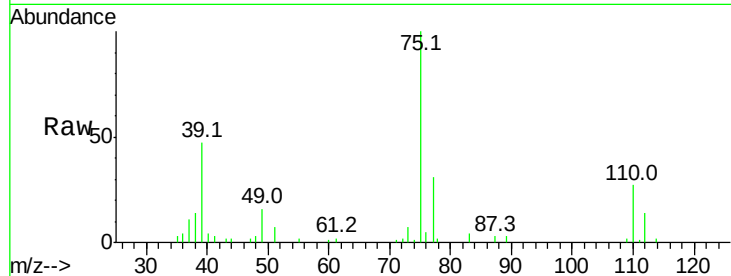
VSTD2.586

Tgt Ion: 75 Resp: 8777

Ion Ratio Lower Upper

75 100

77 31.2 21.9 40.7



#43

4-Methyl-2-pentanone

Concen: 5.020 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006879.D

Acq: 14 Nov 2018 19:47

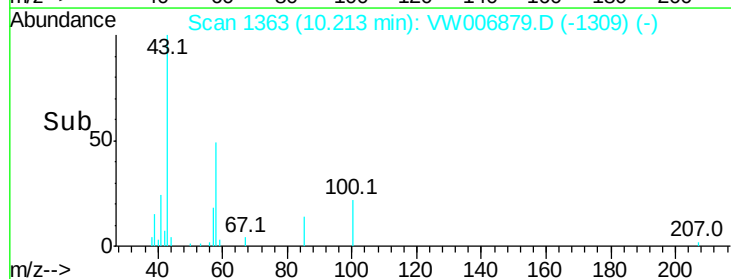
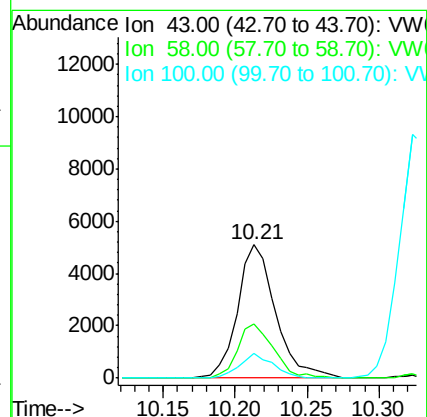
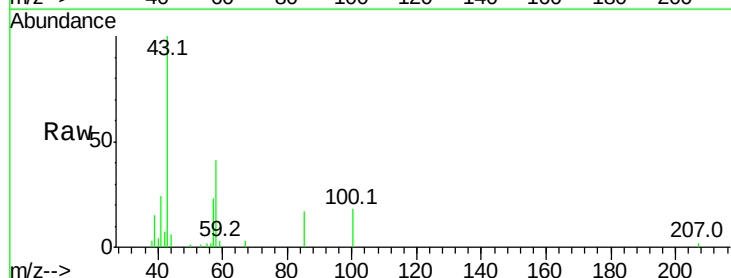
Tgt Ion: 43 Resp: 9355

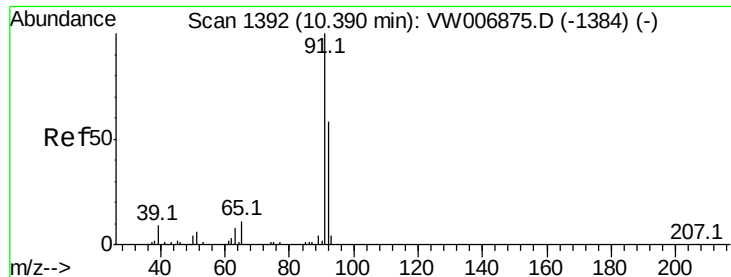
Ion Ratio Lower Upper

43 100

58 38.7 31.6 47.4

100 16.3 12.3 18.5





#44

Toluene

Concen: 2.355 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006879.D

Acq: 14 Nov 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

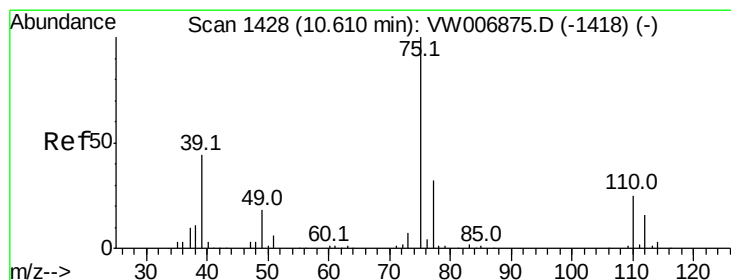
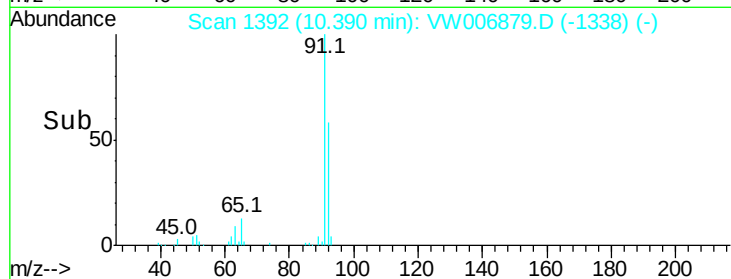
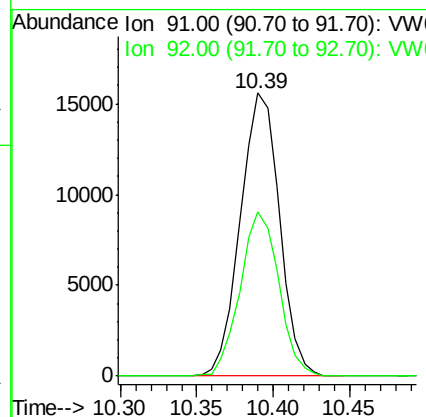
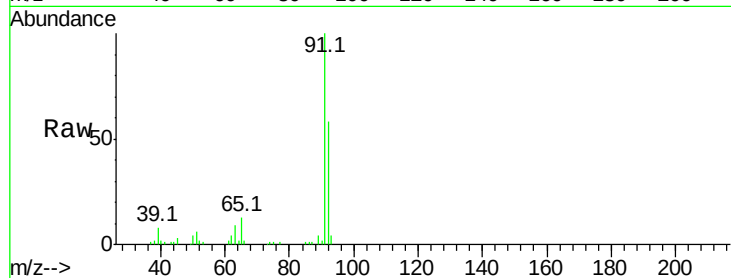
VSTD2.586

Tgt Ion: 91 Resp: 27706

Ion Ratio Lower Upper

91 100

92 58.1 40.5 75.3



#45

trans-1,3-Dichloropropene

Concen: 2.278 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006879.D

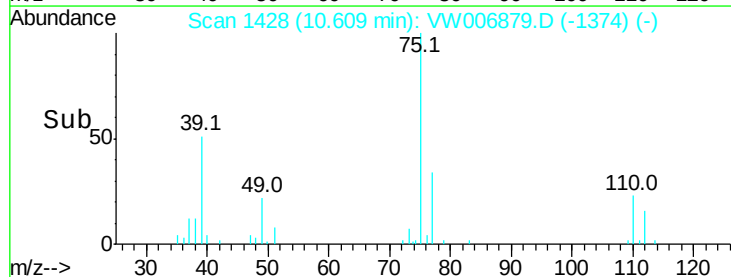
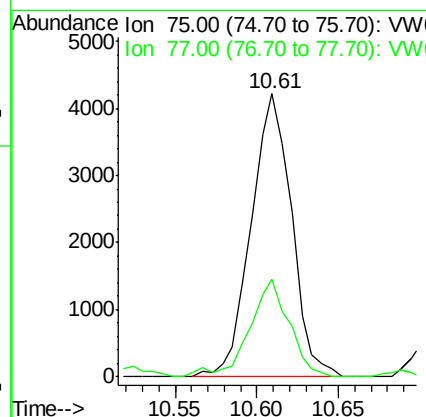
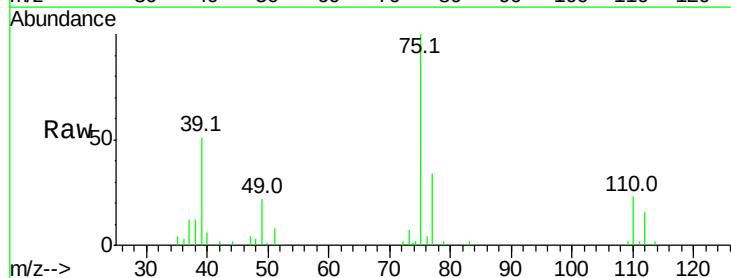
Acq: 14 Nov 2018 19:47

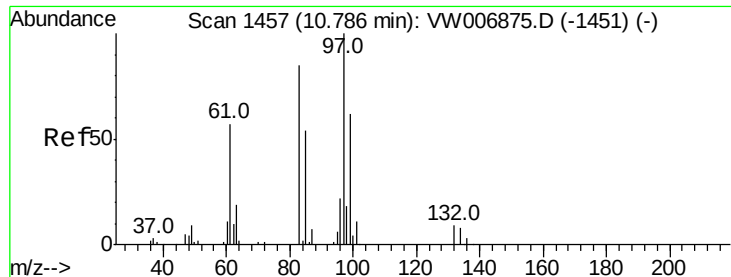
Tgt Ion: 75 Resp: 7282

Ion Ratio Lower Upper

75 100

77 34.4 22.7 42.1





#46

1,1,2-Trichloroethane

Concen: 2.519 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW006879.D

Acq: 14 Nov 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.586

Tgt Ion: 97 Resp: 4749

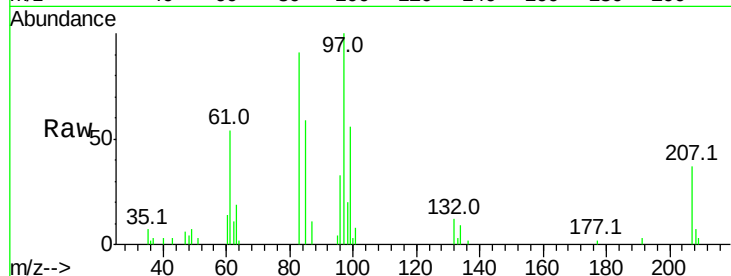
Ion Ratio Lower Upper

97 100

83 91.3 59.6 110.8

85 59.2 37.7 70.1

99 55.8 43.4 80.6



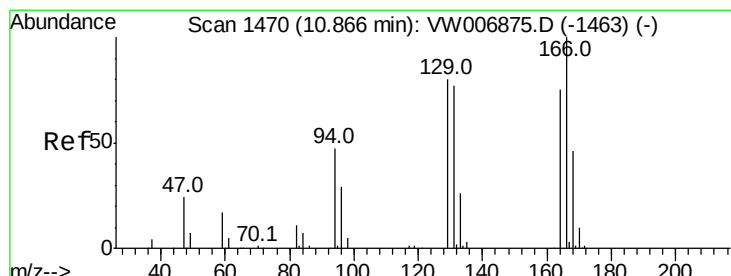
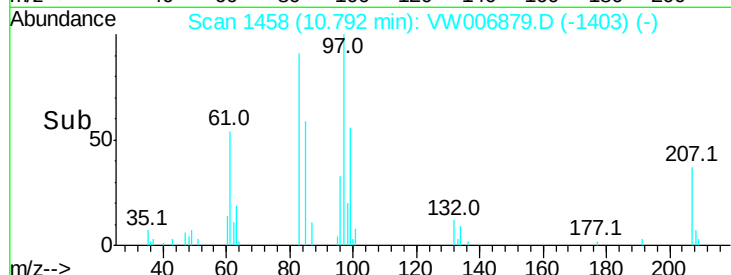
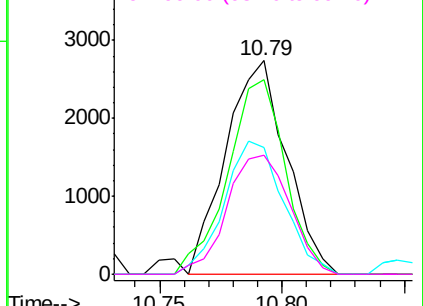
Abundance

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: 2.170 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW006879.D

Acq: 14 Nov 2018 19:47

Tgt Ion: 164 Resp: 4701

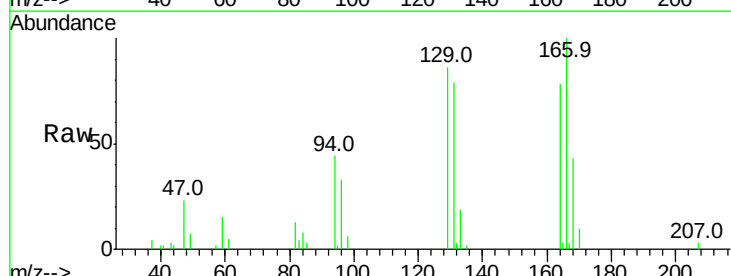
Ion Ratio Lower Upper

164 100

129 109.5 75.0 139.2

131 100.2 72.5 134.7

166 127.5 93.7 174.1



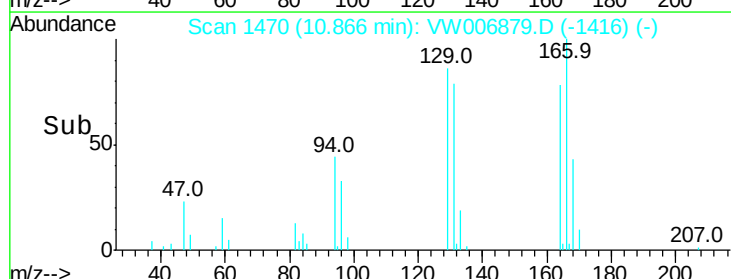
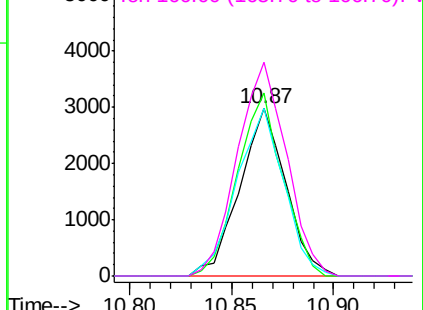
Abundance

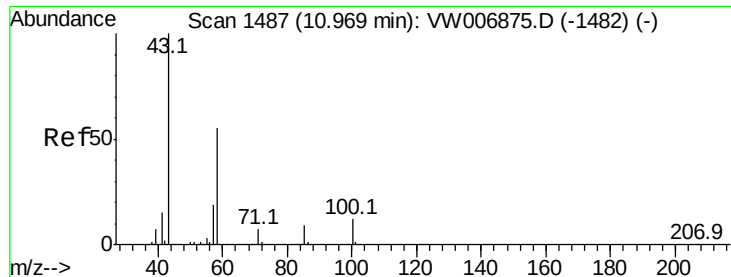
Ion 164.00 (163.70 to 164.70): V

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

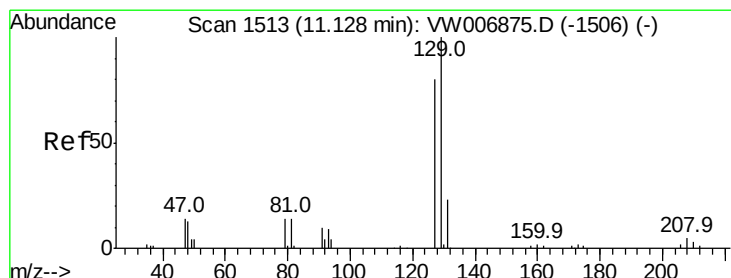
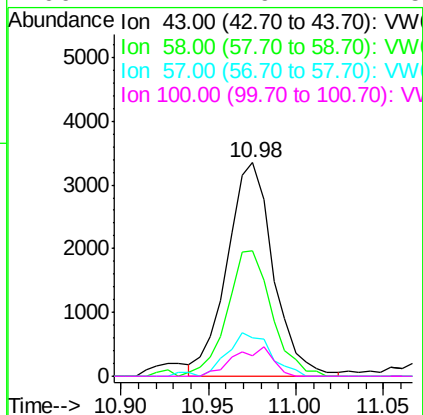
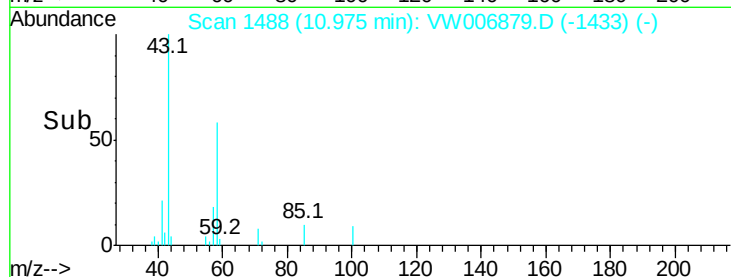
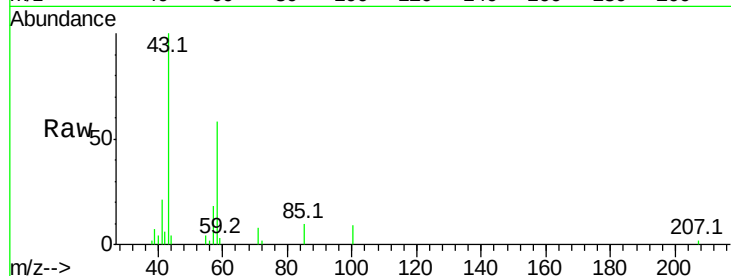




#49
2-Hexanone
Concen: 4.359 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW006879.D
Acq: 14 Nov 2018 19:47

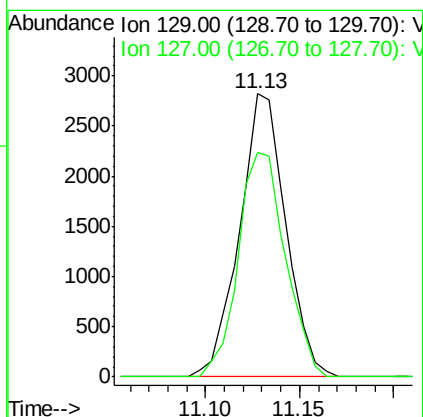
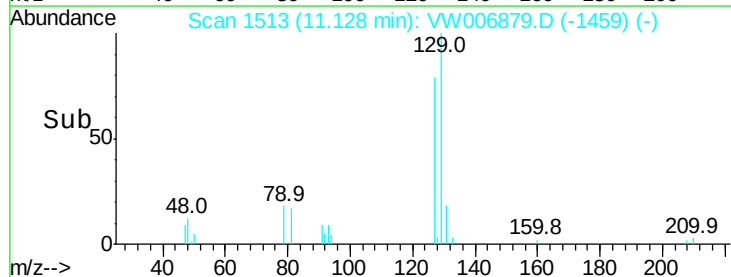
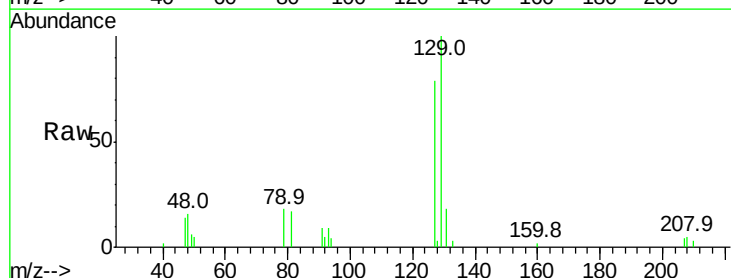
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.586

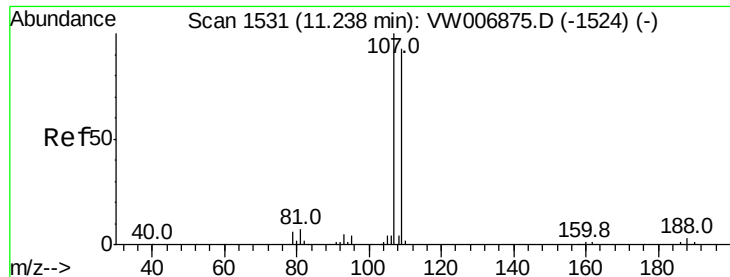
Tgt Ion: 43 Resp: 6153
Ion Ratio Lower Upper
43 100
58 56.6 44.6 67.0
57 18.7 16.0 24.0
100 7.1 9.7 14.5#



#50
Dibromochloromethane
Concen: 2.330 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW006879.D
Acq: 14 Nov 2018 19:47

Tgt Ion: 129 Resp: 4806
Ion Ratio Lower Upper
129 100
127 79.3 55.7 103.5

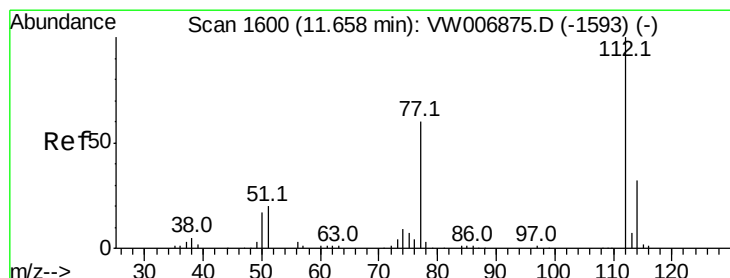
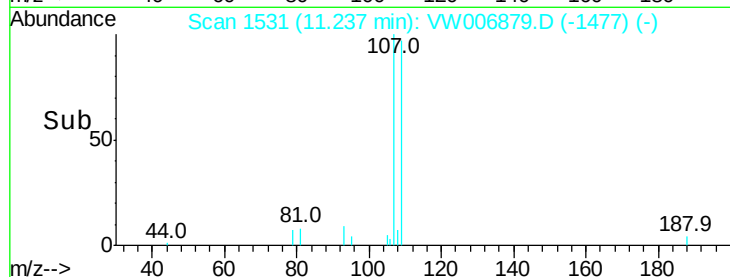
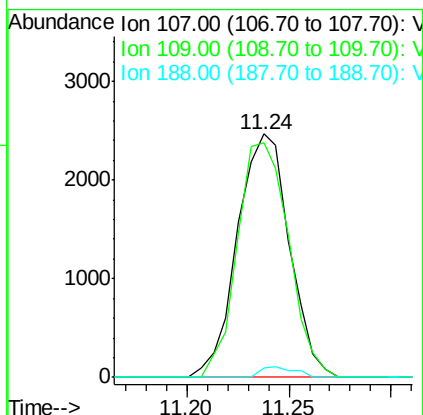
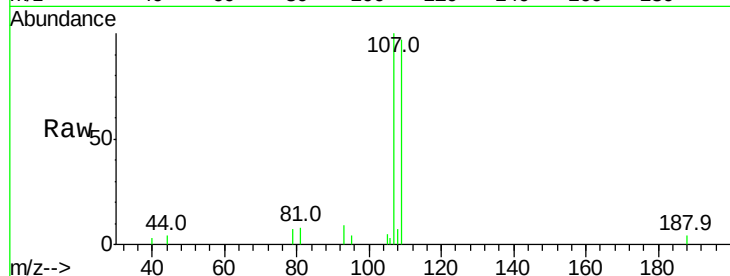




#51
1,2-Dibromoethane
Concen: 2.436 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW006879.D
Acq: 14 Nov 2018 19:47

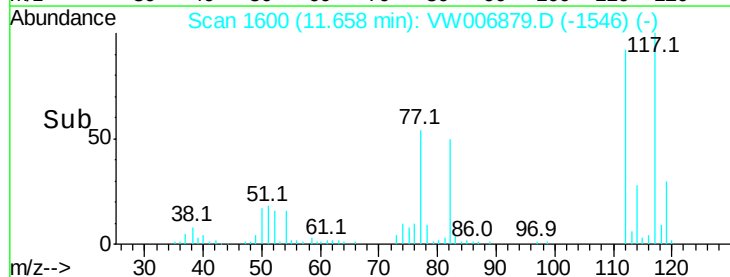
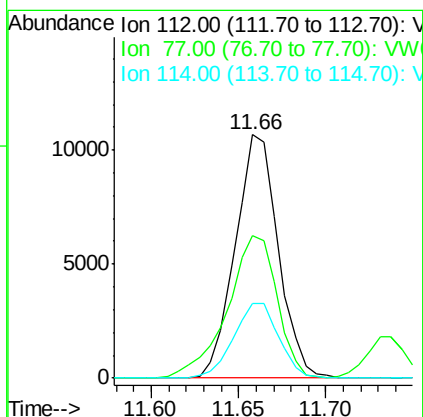
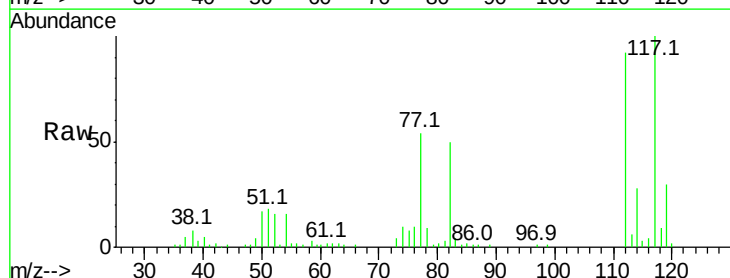
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.586

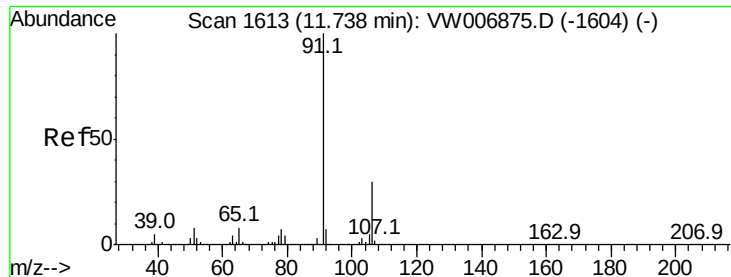
Tgt Ion:107 Resp: 4374
Ion Ratio Lower Upper
107 100
109 96.6 65.4 121.4
188 4.0 2.4 3.6#



#52
Chlorobenzene
Concen: 2.486 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW006879.D
Acq: 14 Nov 2018 19:47

Tgt Ion:112 Resp: 18206
Ion Ratio Lower Upper
112 100
77 58.8 47.8 71.8
114 30.6 22.3 41.5





#53

Ethylbenzene

Concen: 2.343 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW006879.D

Acq: 14 Nov 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

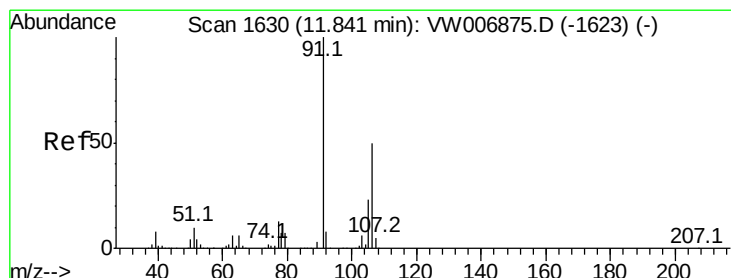
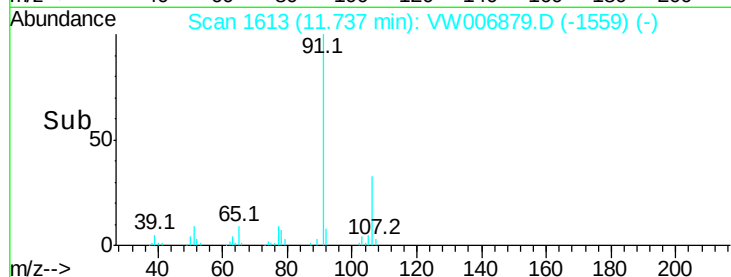
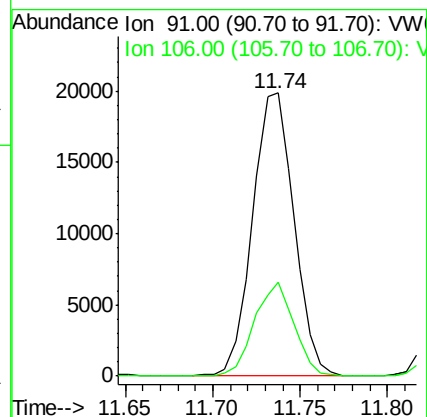
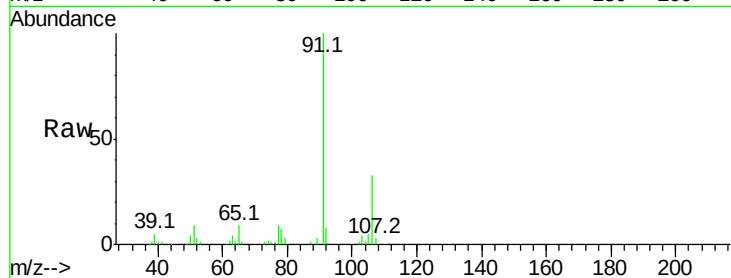
VSTD2.586

Tgt Ion: 91 Resp: 32786

Ion Ratio Lower Upper

91 100

106 33.4 21.1 39.1



#54

m,p-Xylene

Concen: 2.285 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW006879.D

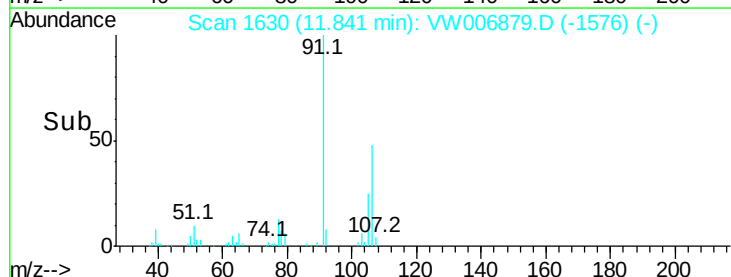
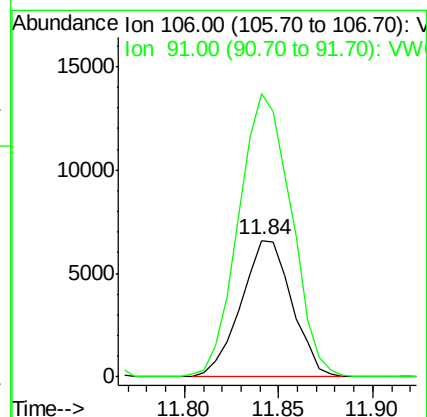
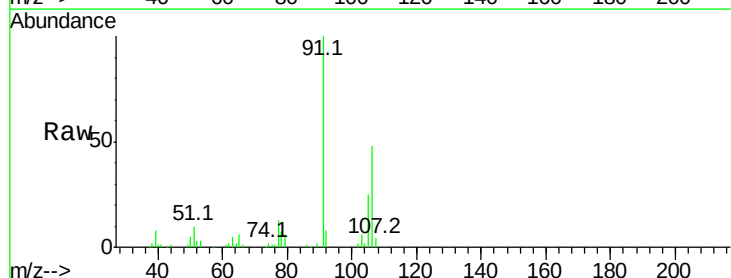
Acq: 14 Nov 2018 19:47

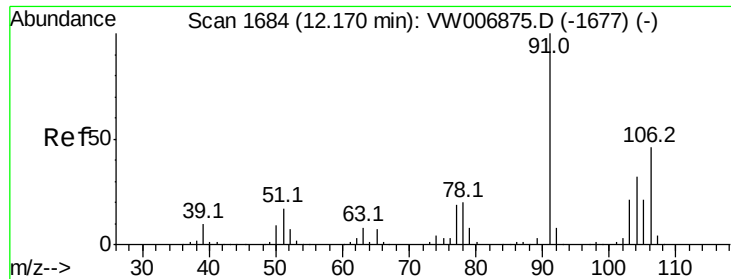
Tgt Ion: 106 Resp: 12407

Ion Ratio Lower Upper

106 100

91 206.9 141.5 262.9





#55

o-xylene

Concen: 2.292 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW006879.D

Acq: 14 Nov 2018 19:47

Instrument :

MSVOA_W

ClientSampleId :

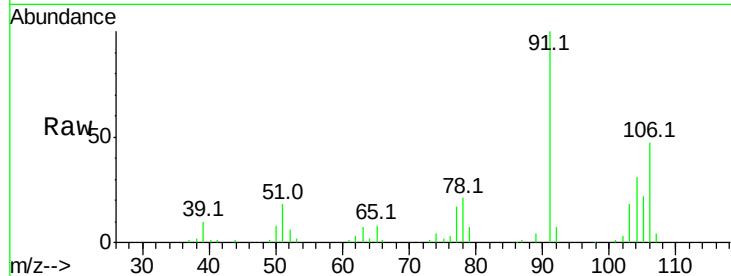
VSTD2.586

Tgt Ion:106 Resp: 11354

Ion Ratio Lower Upper

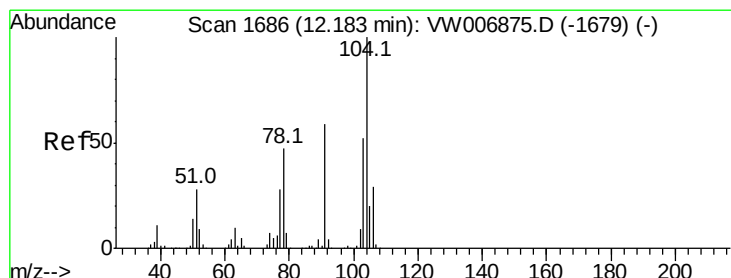
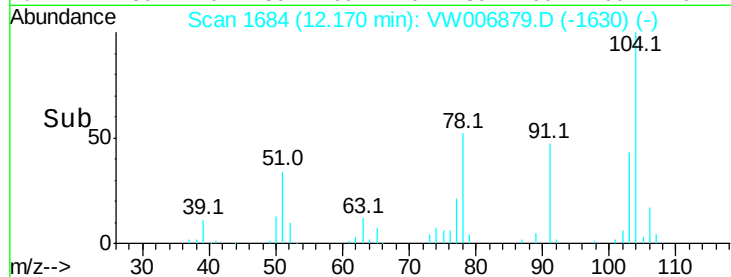
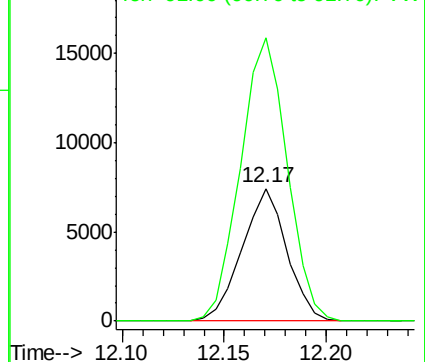
106 100

91 213.8 151.3 281.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 2.296 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW006879.D

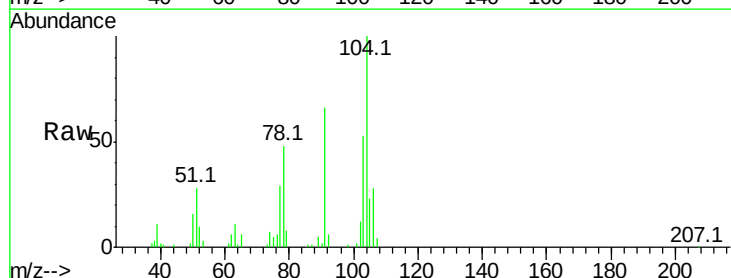
Acq: 14 Nov 2018 19:47

Tgt Ion:104 Resp: 18779

Ion Ratio Lower Upper

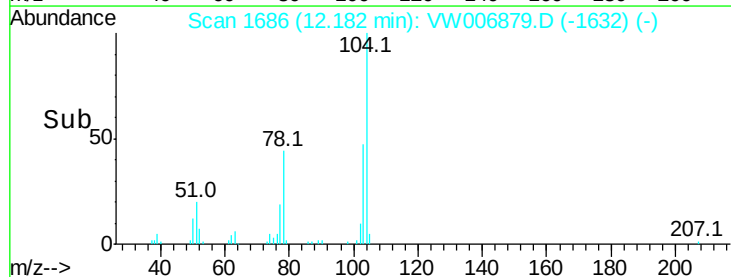
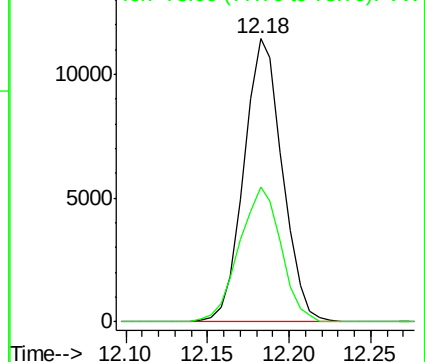
104 100

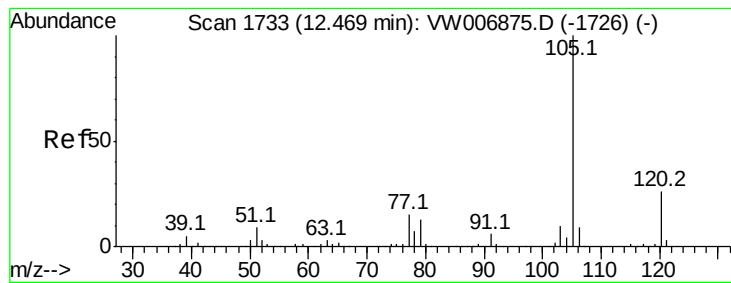
78 47.8 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 2.318 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006879.D

Acq: 14 Nov 2018 19:47

Instrument :

MSVOA_W

ClientSampled :

VSTD2.586

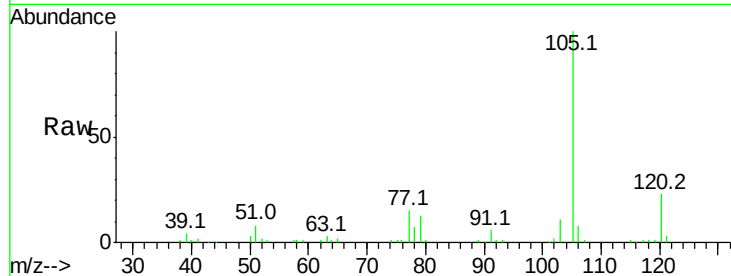
Tgt Ion: 105 Resp: 31745

Ion Ratio Lower Upper

105 100

120 25.1 20.7 31.1

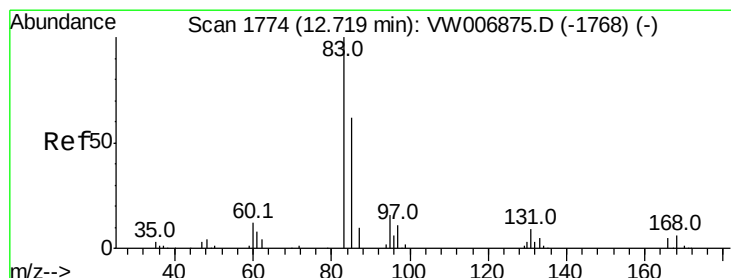
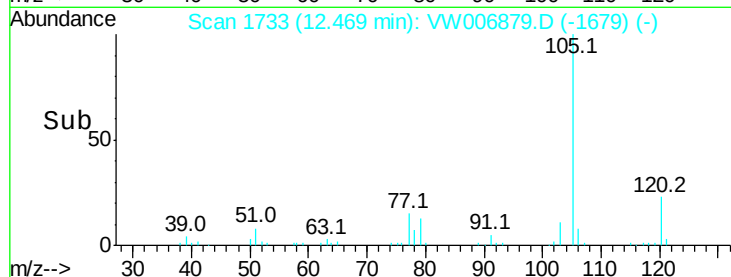
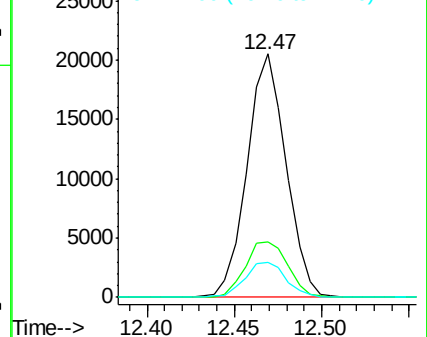
77 15.2 12.3 18.5



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: 2.448 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006879.D

Acq: 14 Nov 2018 19:47

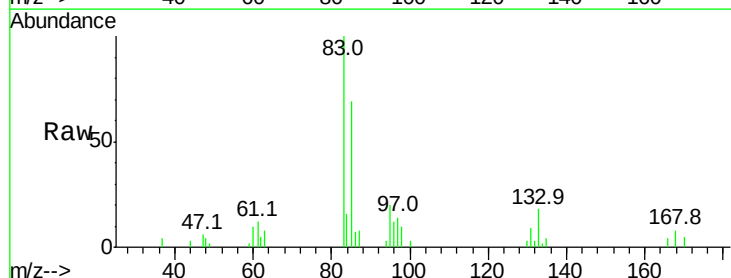
Tgt Ion: 83 Resp: 5794

Ion Ratio Lower Upper

83 100

85 69.2 44.4 82.5

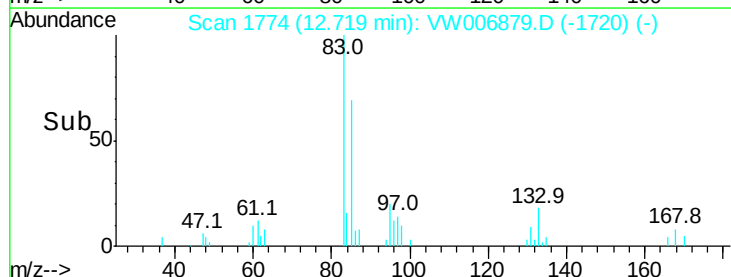
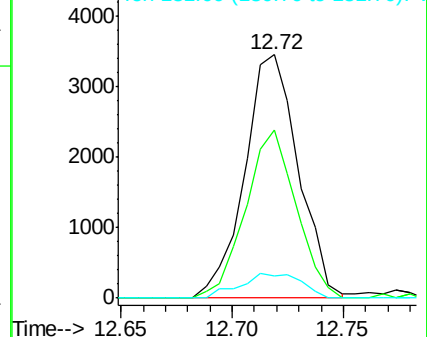
131 9.3 8.0 12.0

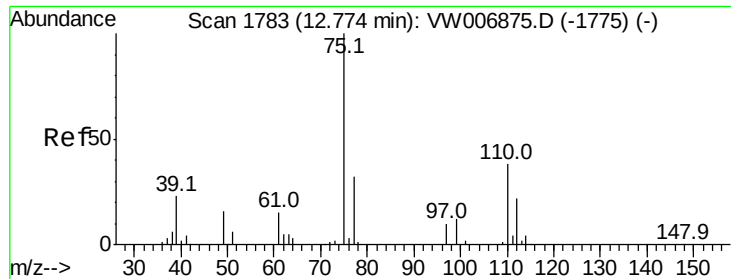


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

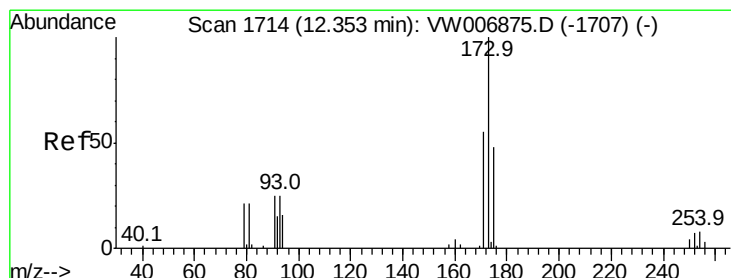
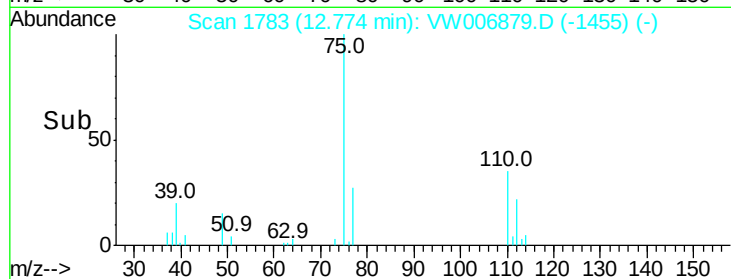
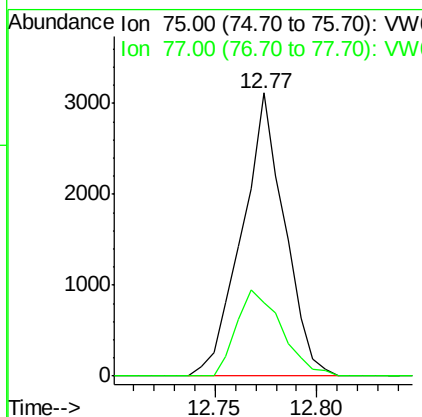
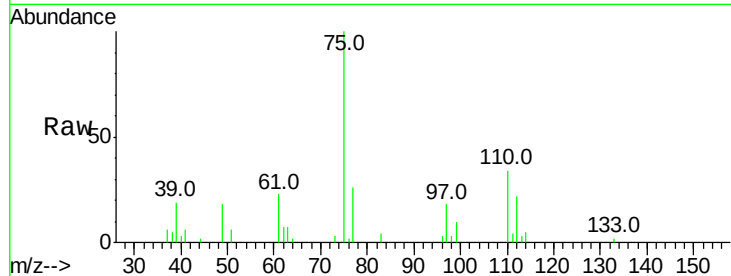




#59
 1,2,3-Trichloropropane
 Concen: 2.457 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW006879.D
 Acq: 14 Nov 2018 19:47

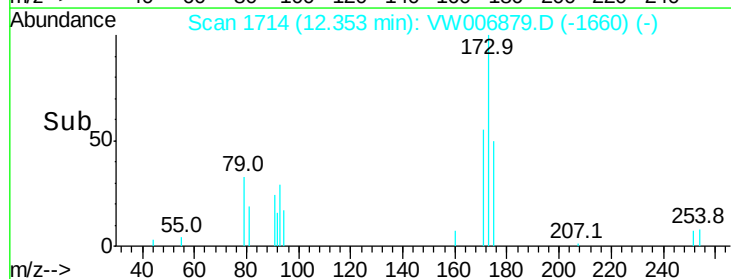
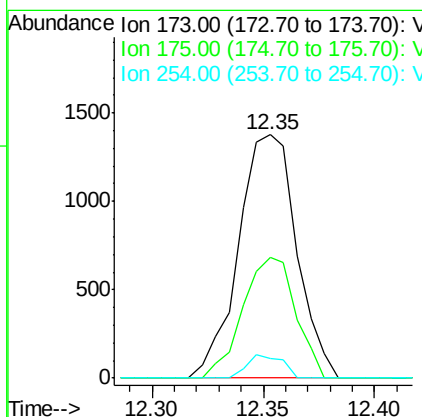
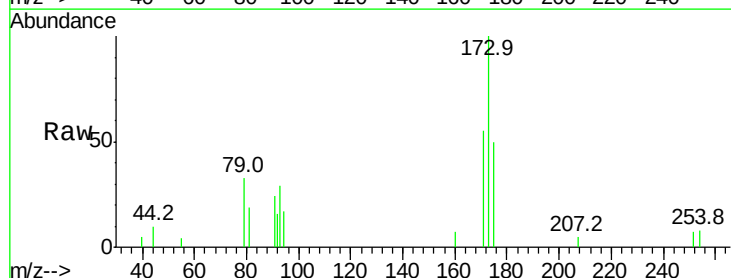
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.586

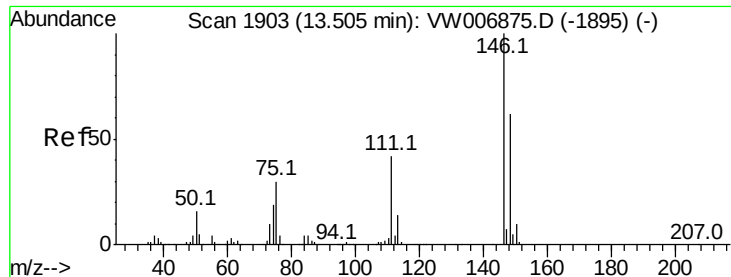
Tgt Ion: 75 Resp: 4532
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.5 39.7



#62
 Bromoform
 Concen: 2.347 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW006879.D
 Acq: 14 Nov 2018 19:47

Tgt Ion: 173 Resp: 2501
 Ion Ratio Lower Upper
 173 100
 175 45.1 39.5 59.3
 254 5.8 6.4 9.6#

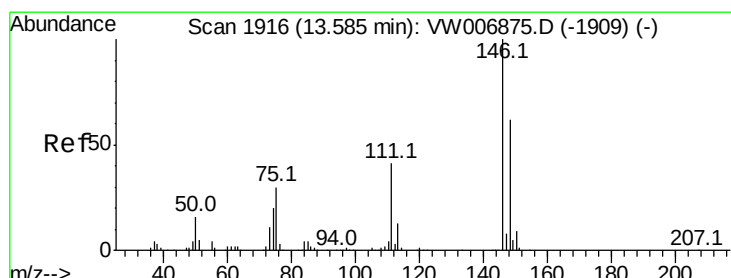
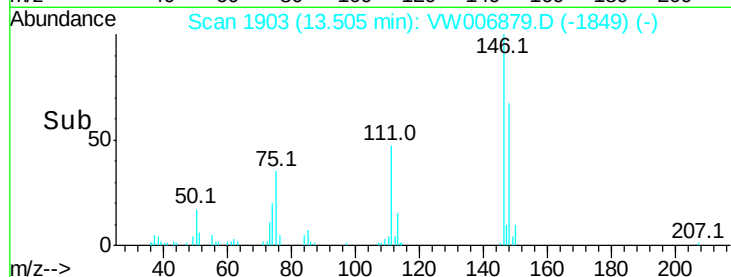
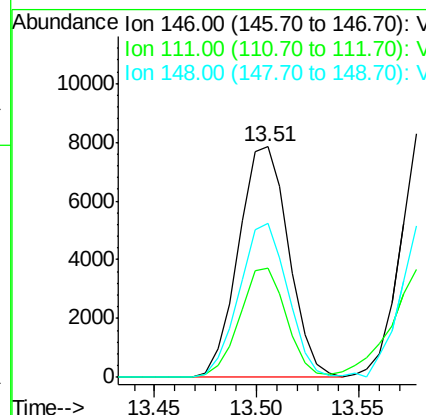
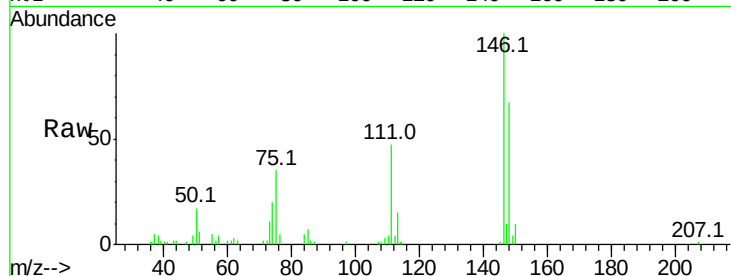




#63
 1,3-Dichlorobenzene
 Concen: 2.325 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006879.D
 Acq: 14 Nov 2018 19:47

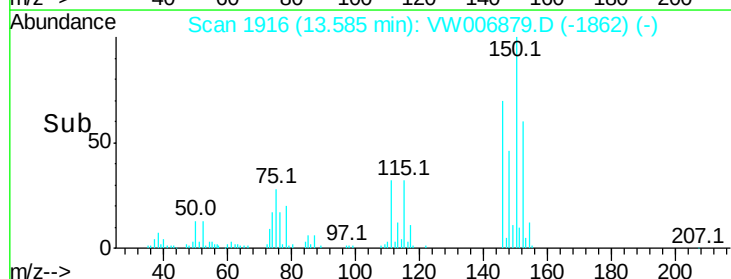
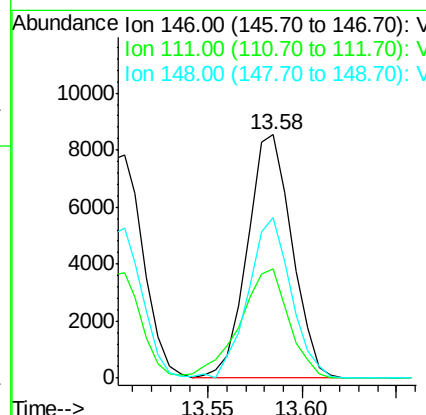
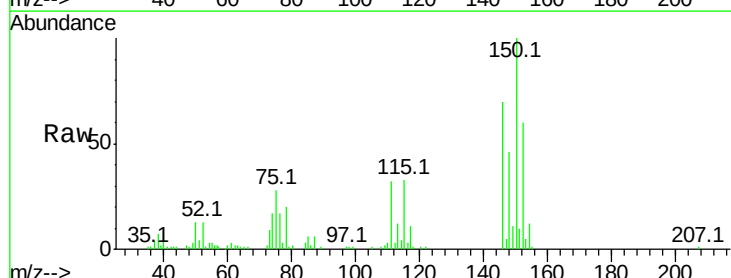
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.586

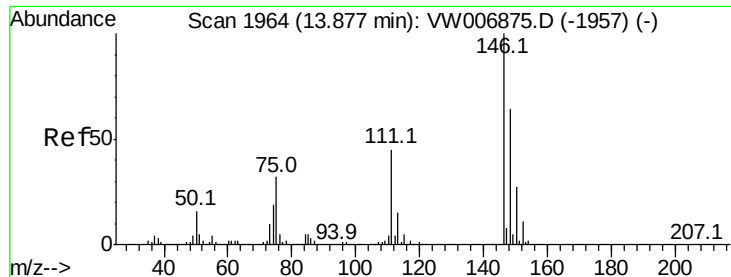
Tgt Ion:146 Resp: 13335
 Ion Ratio Lower Upper
 146 100
 111 47.2 29.3 54.3
 148 67.2 43.0 80.0



#64
 1,4-Dichlorobenzene
 Concen: 2.458 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006879.D
 Acq: 14 Nov 2018 19:47

Tgt Ion:146 Resp: 14001
 Ion Ratio Lower Upper
 146 100
 111 45.0 28.8 53.4
 148 66.1 43.2 80.2

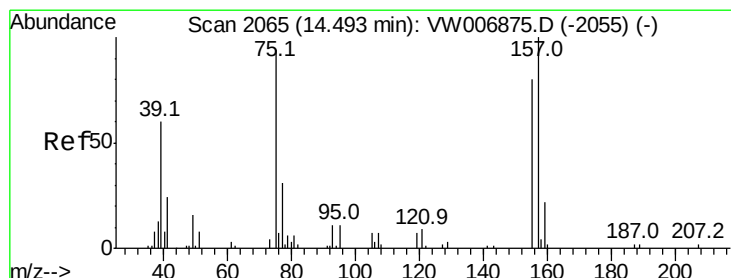
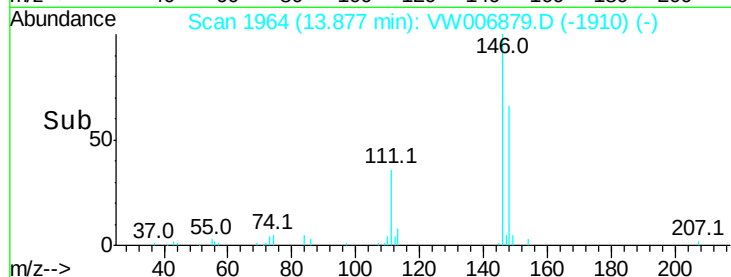
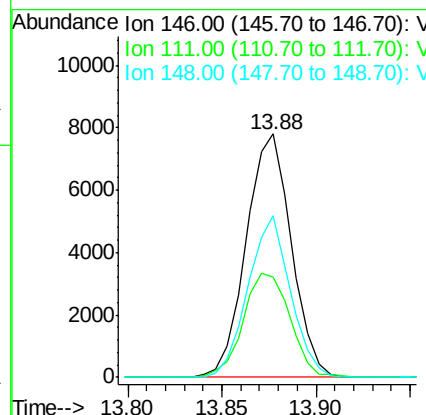
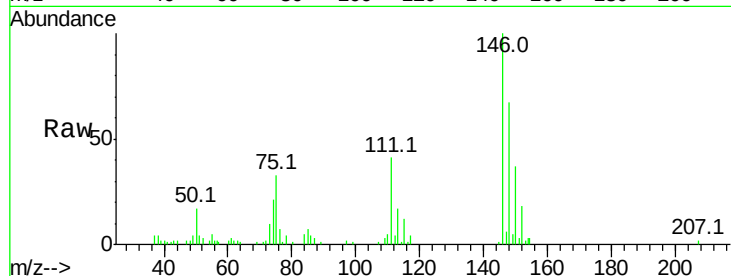




#65
 1,2-Dichlorobenzene
 Concen: 2.561 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006879.D
 Acq: 14 Nov 2018 19:47

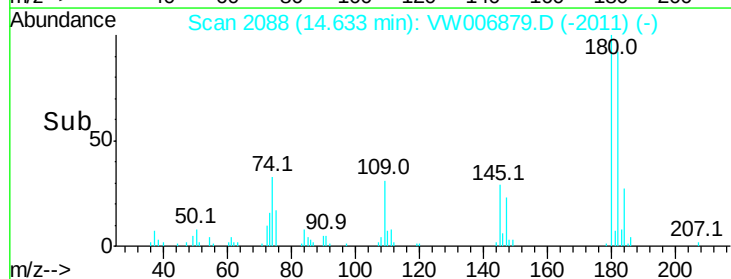
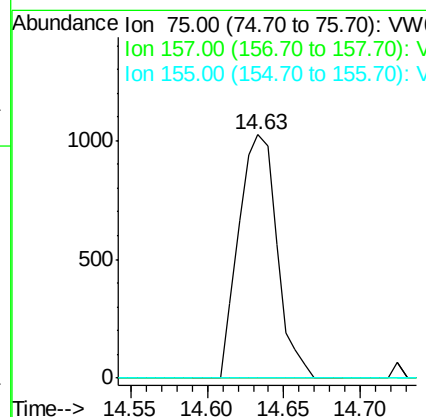
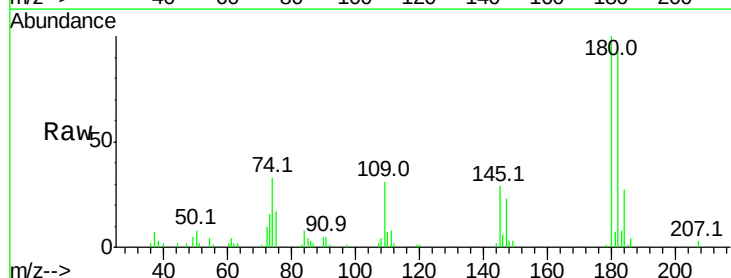
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.586

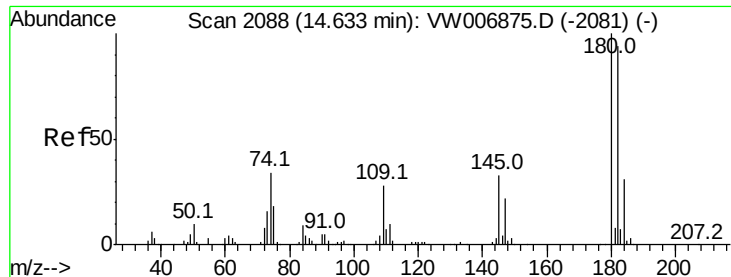
Tgt Ion: 146 Resp: 12936
 Ion Ratio Lower Upper
 146 100
 111 41.1 36.0 54.0
 148 66.5 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.867 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.14 min
 Lab File: VW006879.D
 Acq: 14 Nov 2018 19:47

Tgt Ion: 75 Resp: 1773
 Ion Ratio Lower Upper
 75 100
 157 0.0 85.0 127.6#
 155 0.0 67.7 101.5#

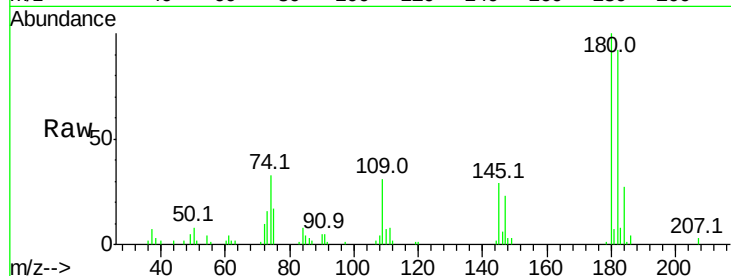




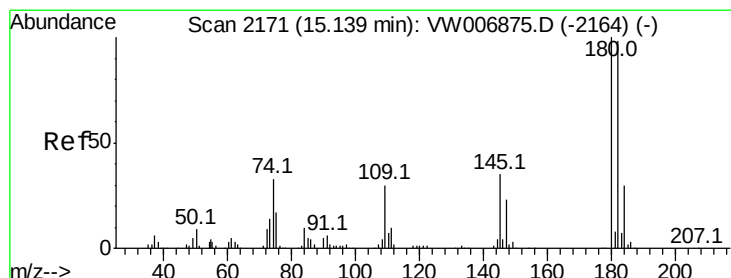
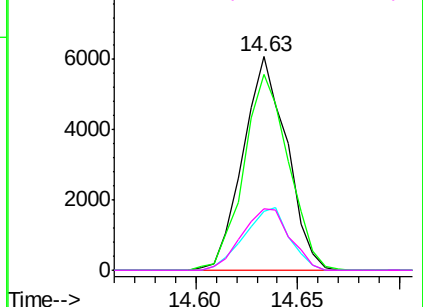
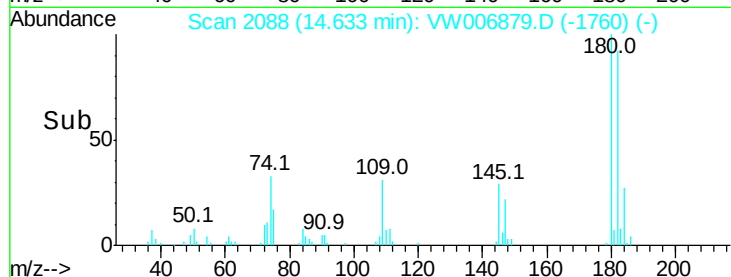
#67
 1,3,5-Trichlorobenzene
 Concen: 2.339 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW006879.D
 Acq: 14 Nov 2018 19:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.586

Tgt Ion:180 Resp: 9084
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.6 113.4
 184 30.1 24.2 36.4
 145 31.7 26.4 39.6

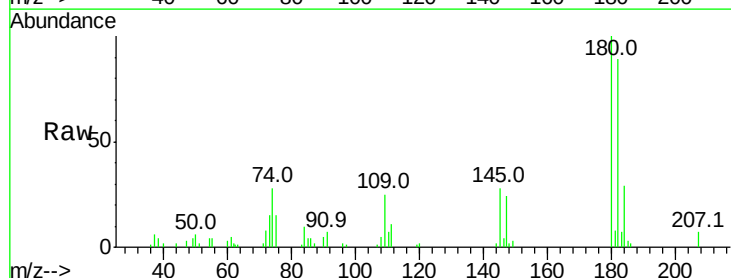


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

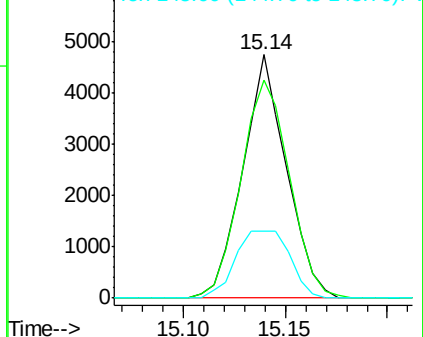
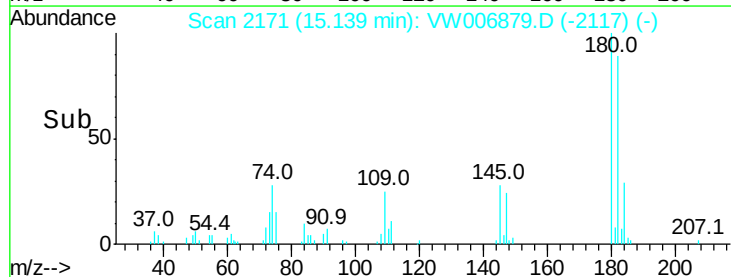


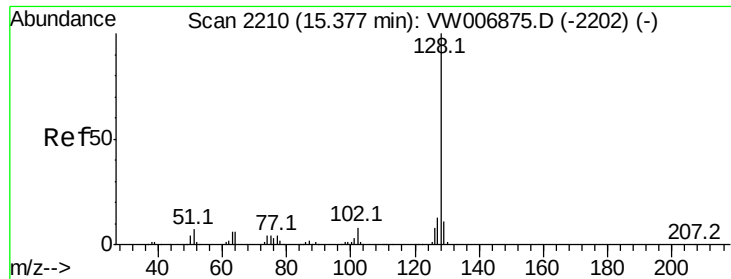
#68
 1,2,4-trichlorobenzene
 Concen: 2.246 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW006879.D
 Acq: 14 Nov 2018 19:47

Tgt Ion:180 Resp: 7101
 Ion Ratio Lower Upper
 180 100
 182 99.2 75.5 113.3
 145 34.3 27.4 41.2



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

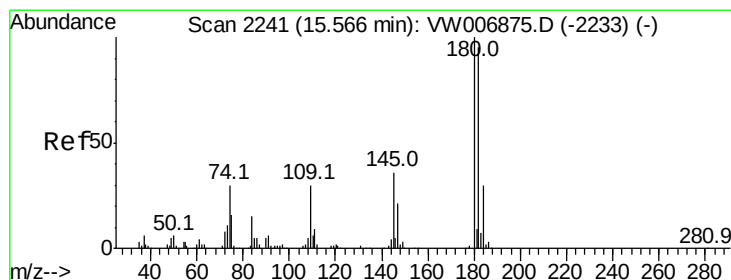
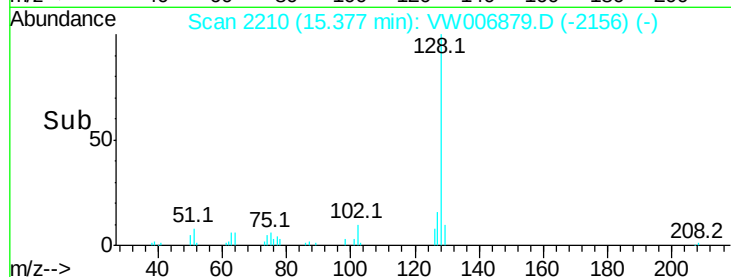
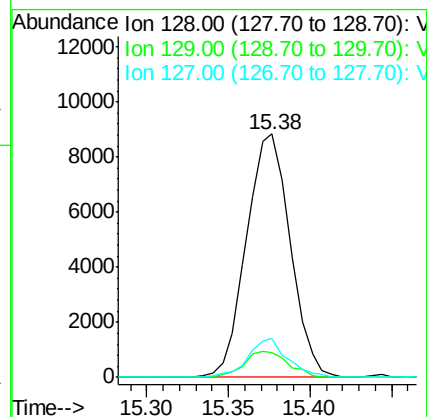
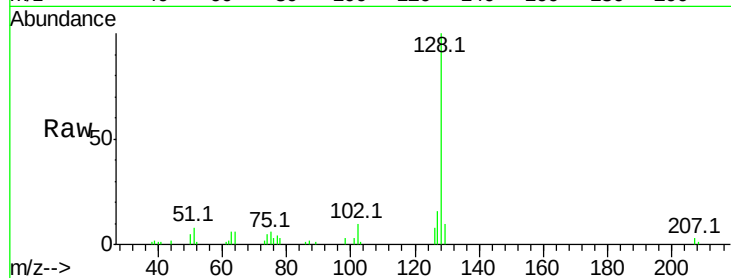




#69
Naphthalene
Concen: 2.205 ug/L
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006879.D
Acq: 14 Nov 2018 19:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.586

Tgt Ion:128 Resp: 16495
Ion Ratio Lower Upper
128 100
129 10.6 8.9 13.3
127 14.3 10.6 15.8



#70
1,2,3-Trichlorobenzene
Concen: 2.319 ug/L
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006879.D
Acq: 14 Nov 2018 19:47

Tgt Ion:180 Resp: 6469
Ion Ratio Lower Upper
180 100
182 94.4 75.8 113.6
145 36.1 28.8 43.2

