

Data File : VW001877.D

Acq On : 05 Apr 2018 13:32

Operator : JC/SY

Sample : VSTD00582

Misc : 5.00G/10ML/MSVOA_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

Quant Time: Apr 05 15:01:29 2018

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040518S.M

Quant Title : VOC Analysis

QLast Update : Thu Apr 05 15:01:36 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	347274	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	344652	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	163160	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	33639	5.92	ug/L	0.00
7) Chloroethane-d5	2.88	69	24227	5.78	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	63893	5.38	ug/L	0.00
20) 2-Butanone-d5	7.09	46	19213	29.51	ug/L	0.00
24) Chloroform-d	7.65	84	49952	4.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	35961	5.50	ug/L	0.00
29) Benzene-d6	8.28	84	109903	5.16	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	35856	5.10	ug/L	0.00
37) Toluene-d8	10.34	98	93226	4.82	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	14610	5.05	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	13268	13.29	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	35074	5.81	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	35163	5.39	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	40793	5.31	ug/L	98
3) Chloromethane	2.22	50	37023	4.73	ug/L	97
5) Vinyl chloride	2.36	62	33935	5.19	ug/L	93
6) Bromomethane	2.76	94	14166	5.37	ug/L	92
8) Chloroethane	2.92	64	18039	5.11	ug/L	100
9) Trichlorofluoromethane	3.26	101	48943	5.19	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	29055	5.11	ug/L	99
12) 1,1-Dichloroethene	4.03	96	25243	5.01	ug/L	87
13) Acetone	4.13	43	21437	11.13	ug/L	97
14) Carbon disulfide	4.37	76	89364	4.91	ug/L	98
15) Methyl Acetate	4.69	43	20020	6.13	ug/L	96
16) Methylene chloride	4.92	84	44651	6.25	ug/L	97
17) Methyl tert-butyl Ether	5.44	73	51121	4.58	ug/L #	89
18) trans-1,2-Dichloroethene	5.43	96	26010	4.93	ug/L	93
19) 1,1-Dichloroethane	6.22	63	52845	5.16	ug/L	98
21) 2-Butanone	7.18	43	25242	11.26	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	26076	4.84	ug/L	96
23) Bromochloromethane	7.51	128	12687	5.36	ug/L	94
25) Chloroform	7.68	83	61187	5.70	ug/L	98
27) 1,2-Dichloroethane	8.40	62	38646	5.10	ug/L	96
30) Cyclohexane	7.95	56	37846	4.37	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	46698	5.15	ug/L	98
32) Carbon tetrachloride	8.07	117	43115	5.23	ug/L	100
34) Benzene	8.33	78	108986	4.88	ug/L	100
35) Trichloroethene	9.10	95	29145	4.88	ug/L	98
36) Methylcyclohexane	9.34	83	39730	4.24	ug/L	94
40) 1,2-Dichloropropane	9.38	63	30418	4.94	ug/L #	98
41) Bromodichloromethane	9.65	83	37611	4.89	ug/L	95
42) cis-1,3-Dichloropropene	10.09	75	37813	4.56	ug/L	94
43) 4-Methyl-2-pentanone	10.22	43	42666	10.05	ug/L	97

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Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

Quant Time: Apr 05 15:01:29 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040518S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 05 15:01:36 2018
Response via : Initial Calibration

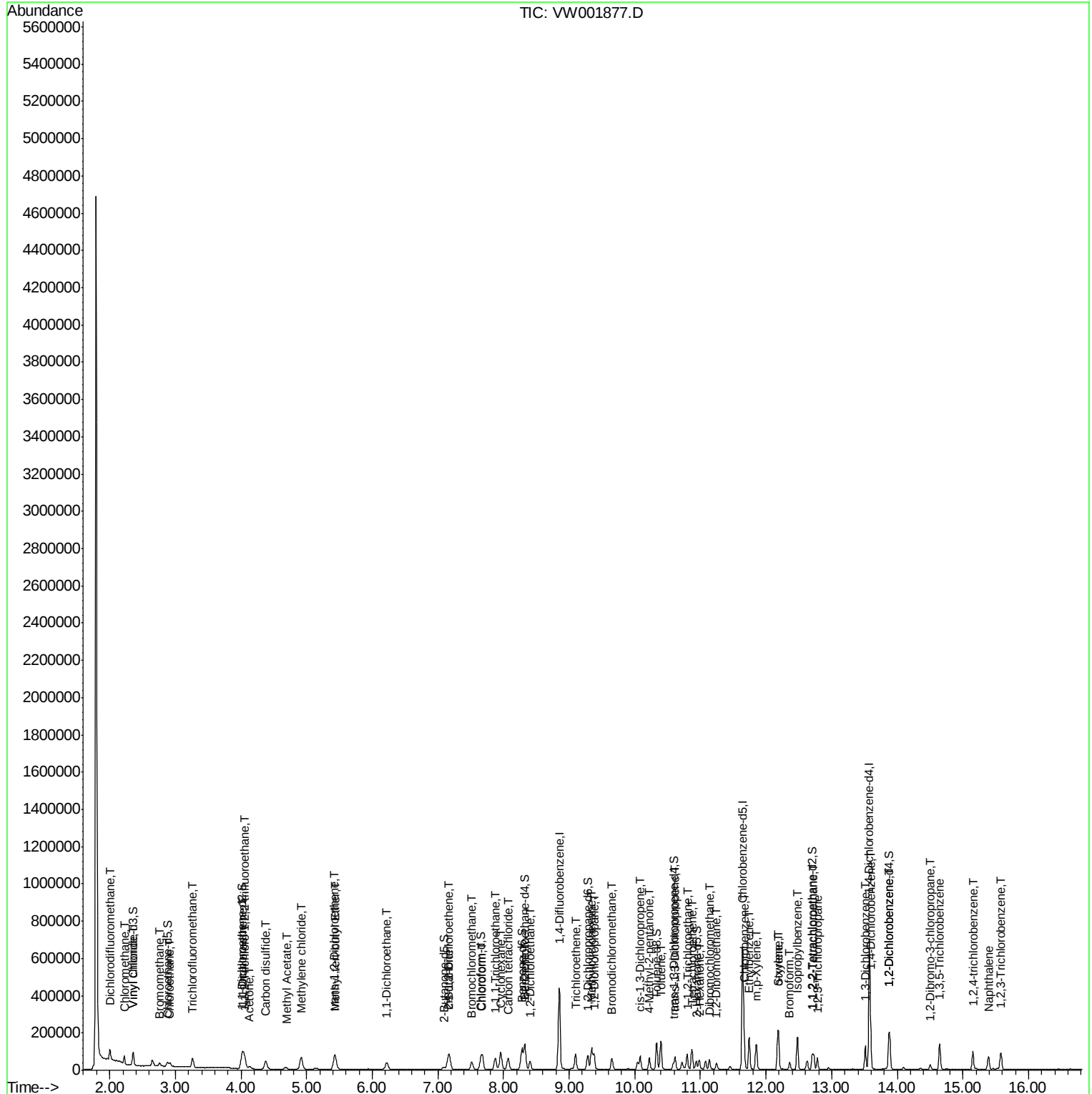
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.40	91	107592	4.65	ug/L	98
45) trans-1,3-Dichloropropene	10.62	75	34248	4.63	ug/L	98
46) 1,1,2-Trichloroethane	10.80	97	23857	5.22	ug/L	95
47) Tetrachloroethene	10.87	164	23768	5.12	ug/L	98
49) 2-Hexanone	10.98	43	31268	10.14	ug/L	94
50) Dibromochloromethane	11.13	129	26131	4.96	ug/L	96
51) 1,2-Dibromoethane	11.24	107	22103	5.41	ug/L #	100
52) Chlorobenzene	11.67	112	73848	4.88	ug/L	95
53) Ethylbenzene	11.74	91	112566	4.44	ug/L	97
54) m,p-Xylene	11.85	106	41219	4.43	ug/L	96
55) o-xylene	12.18	106	37268	4.28	ug/L	92
56) Styrene	12.19	104	62697	4.12	ug/L	99
57) Isopropylbenzene	12.48	105	99348	4.26	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.73	83	32459	5.53	ug/L	95
59) 1,2,3-Trichloropropane	12.78	75	25361	5.58	ug/L	99
62) Bromoform	12.36	173	16008	5.33	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	50343	4.84	ug/L	100
64) 1,4-Dichlorobenzene	13.60	146	57206	5.02	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	52350	5.07	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.51	75	6119	5.95	ug/L	95
67) 1,3,5-Trichlorobenzene	14.65	180	40145	4.96	ug/L	99
68) 1,2,4-trichlorobenzene	15.16	180	30358	4.81	ug/L	96
69) Naphthalene	15.39	128	55635	4.49	ug/L	98
70) 1,2,3-Trichlorobenzene	15.58	180	29695	4.90	ug/L	98

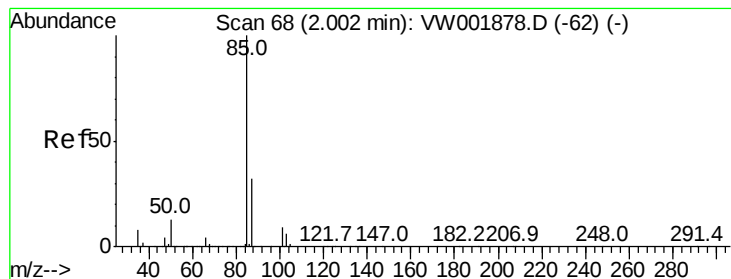
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 1 Sample Multiplier: 1

VSTD00582

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.31 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

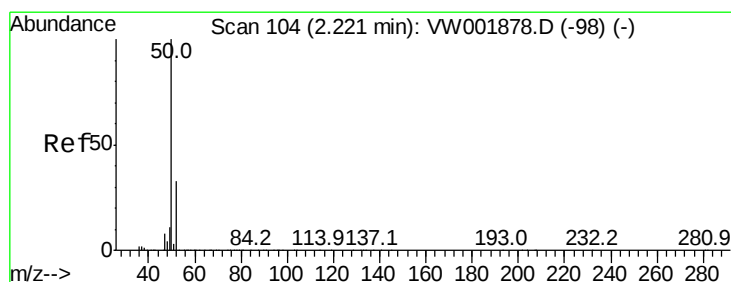
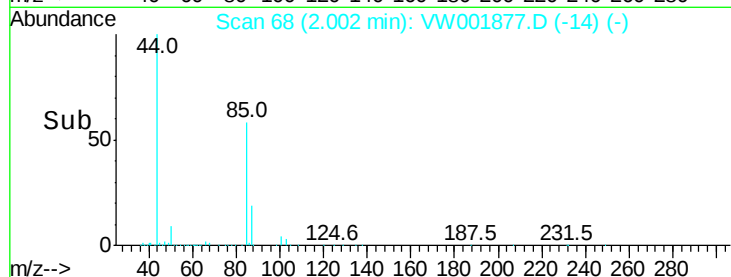
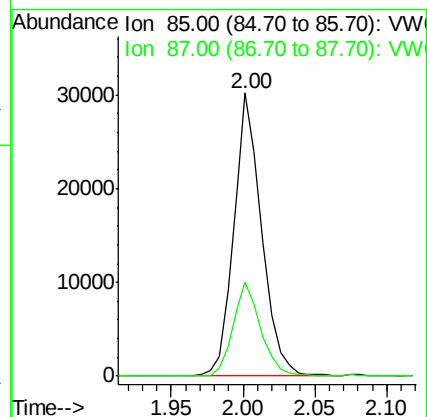
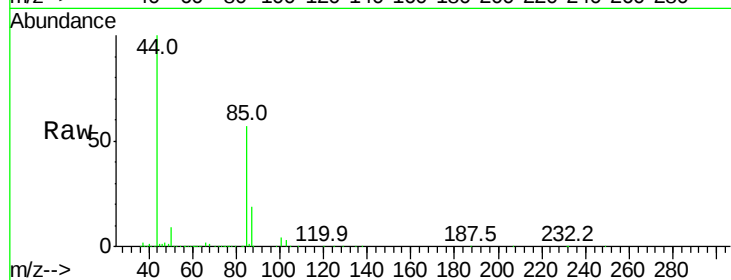
VSTD00582

Tgt Ion: 85 Resp: 40793

Ion Ratio Lower Upper

85 100

87 33.3 22.3 41.5



#3

Chloromethane

Concen: 4.73 ug/L

RT: 2.22 min Scan# 104

Delta R.T. -0.00 min

Lab File: VW001877.D

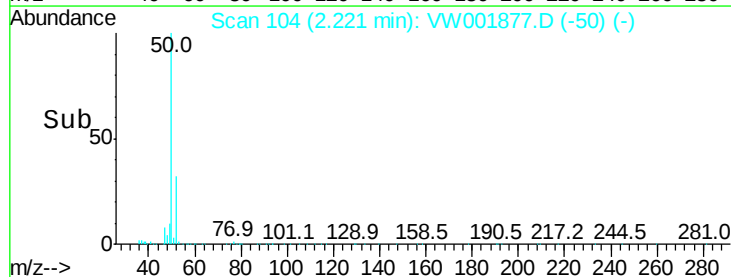
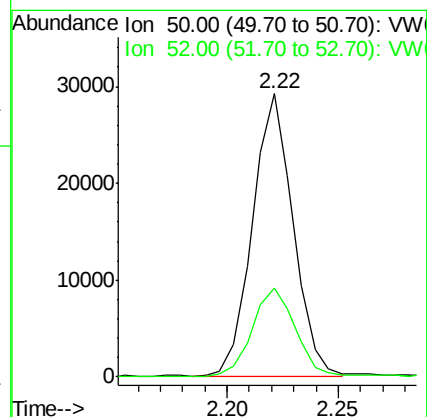
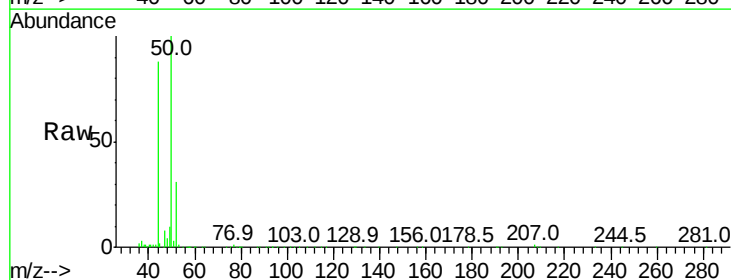
Acq: 05 Apr 2018 13:32

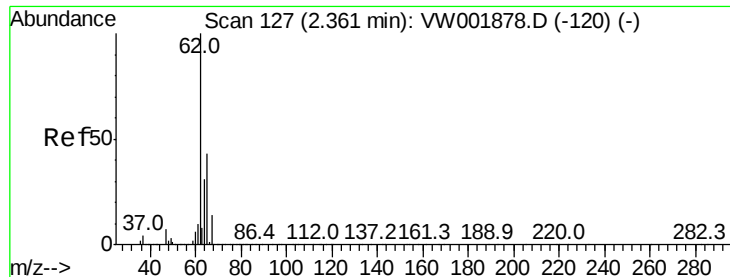
Tgt Ion: 50 Resp: 37023

Ion Ratio Lower Upper

50 100

52 31.5 23.2 43.0





#5

Vinyl chloride

Concen: 5.19 ug/L

RT: 2.36 min Scan# 127

Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

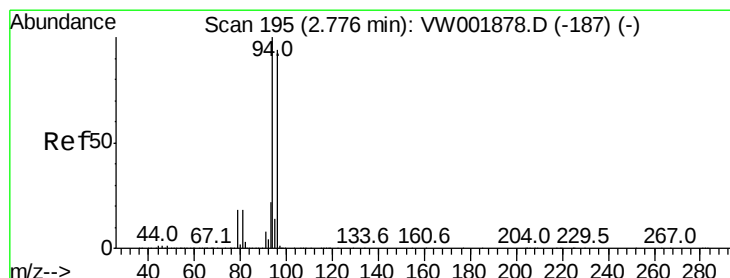
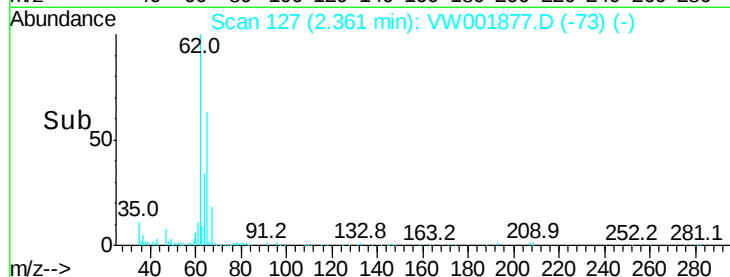
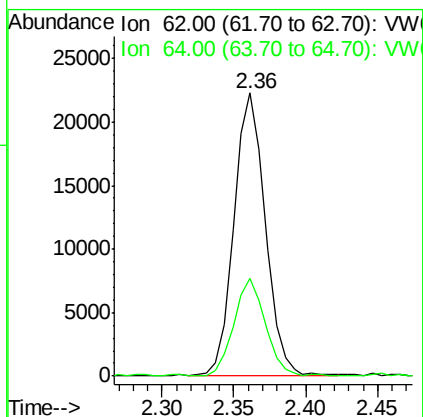
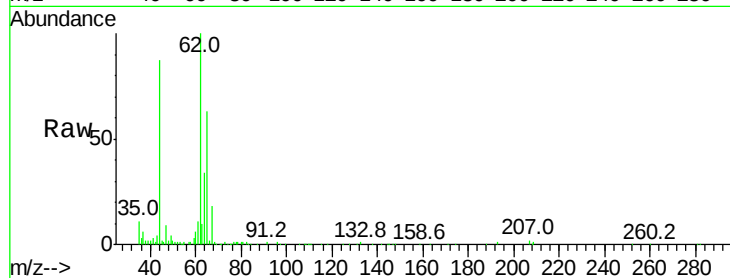
VSTD00582

Tgt Ion: 62 Resp: 33935

Ion Ratio Lower Upper

62 100

64 34.4 21.4 39.8



#6

Bromomethane

Concen: 5.37 ug/L

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW001877.D

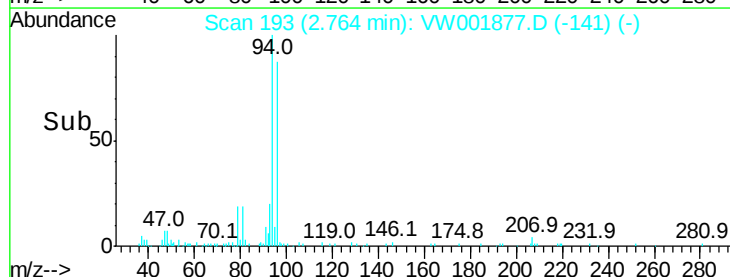
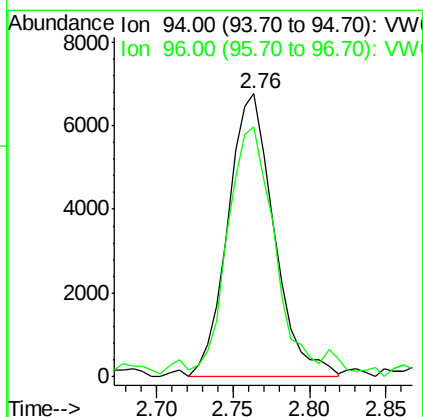
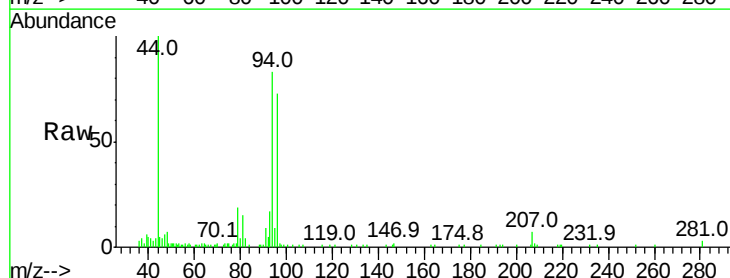
Acq: 05 Apr 2018 13:32

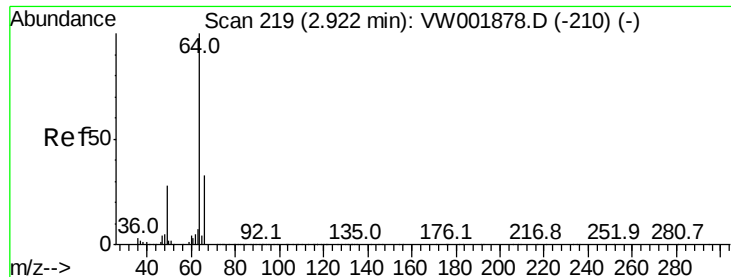
Tgt Ion: 94 Resp: 14166

Ion Ratio Lower Upper

94 100

96 87.0 9.5 179.7





#8

Chloroethane

Concen: 5.11 ug/L

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

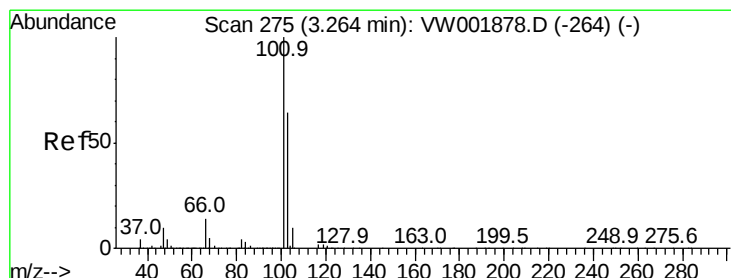
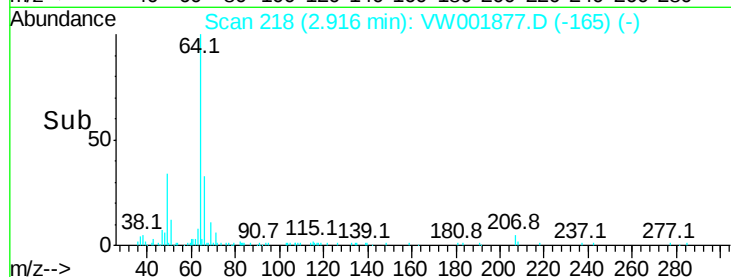
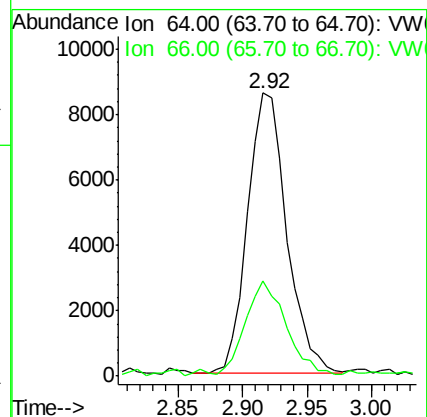
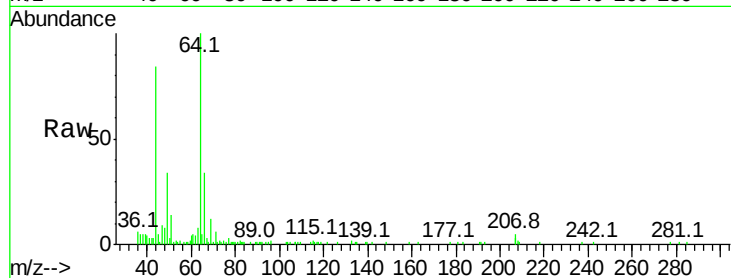
VSTD00582

Tgt Ion: 64 Resp: 18039

Ion Ratio Lower Upper

64 100

66 33.7 23.4 43.4



#9

Trichlorofluoromethane

Concen: 5.19 ug/L

RT: 3.26 min Scan# 275

Delta R.T. -0.00 min

Lab File: VW001877.D

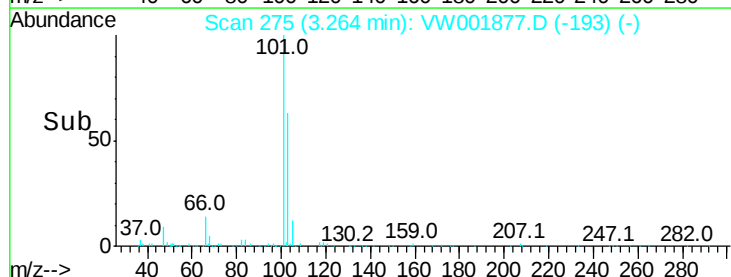
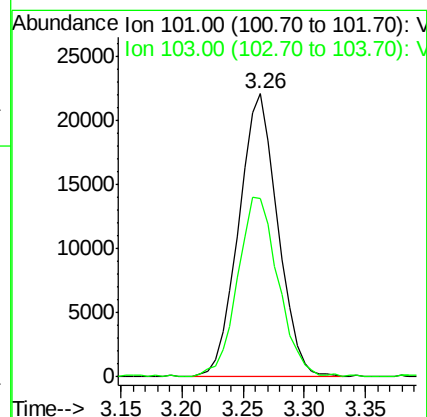
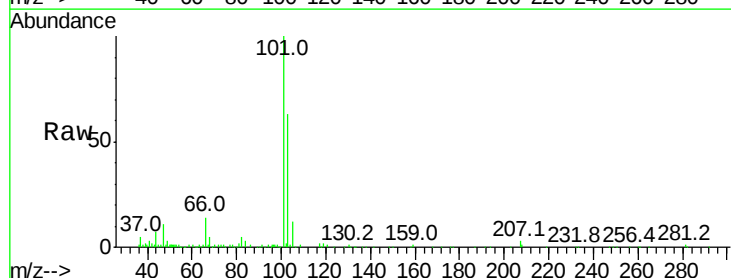
Acq: 05 Apr 2018 13:32

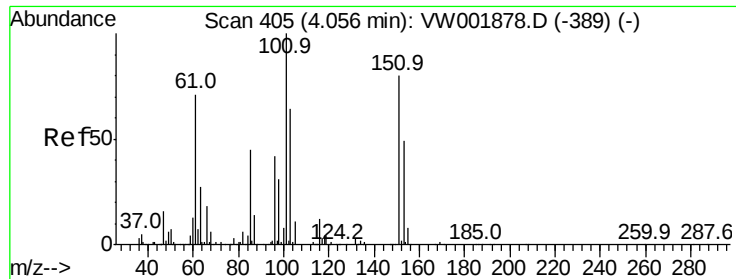
Tgt Ion: 101 Resp: 48943

Ion Ratio Lower Upper

101 100

103 65.8 45.2 84.0





#11

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

Concen: 5.11 ug/L

RT: 4.06 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

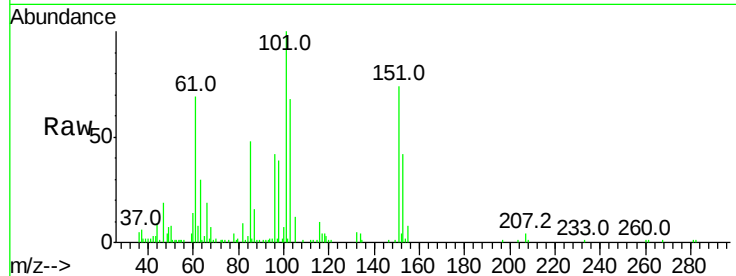
Tgt Ion: 101 Resp: 29055

Ion Ratio Lower Upper

101 100

85 45.4 35.8 53.8

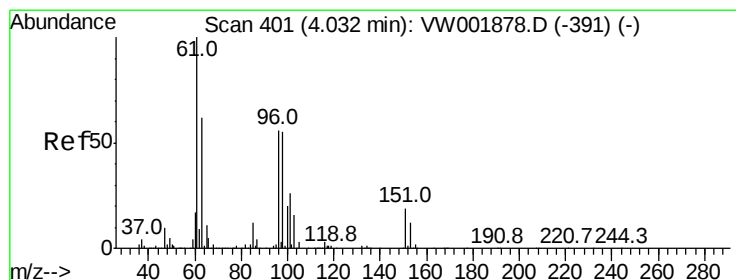
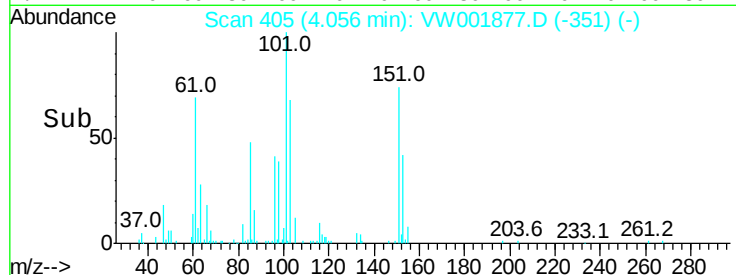
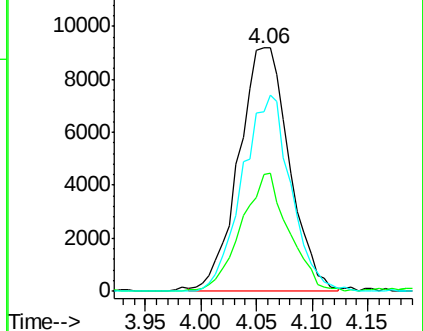
151 77.6 61.5 92.3



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: 5.01 ug/L

RT: 4.03 min Scan# 401

Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

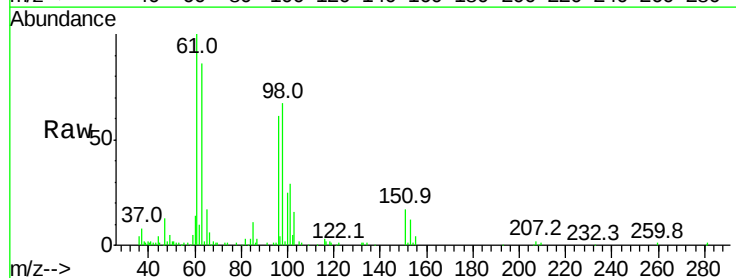
Tgt Ion: 96 Resp: 25243

Ion Ratio Lower Upper

96 100

61 163.5 127.1 236.1

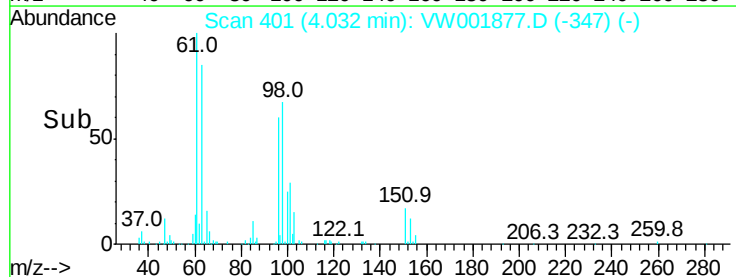
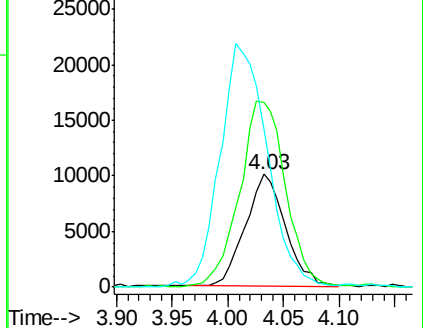
63 140.0 86.5 160.7

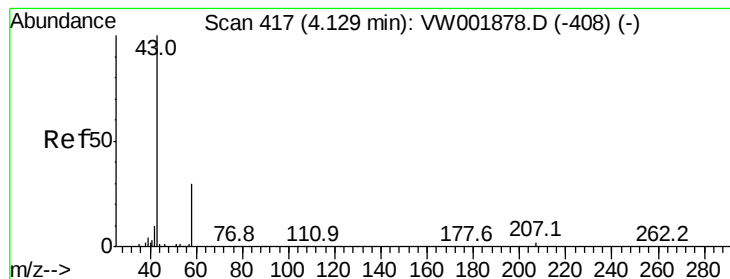


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 11.13 ug/L

RT: 4.13 min Scan# 417

Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

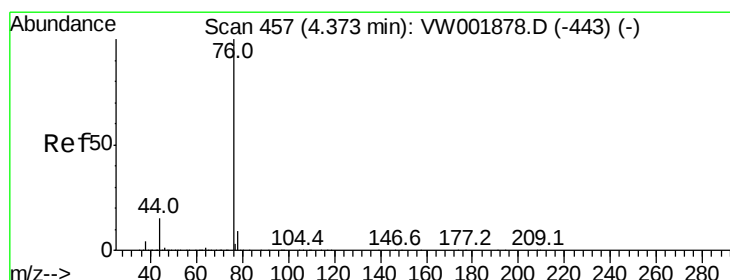
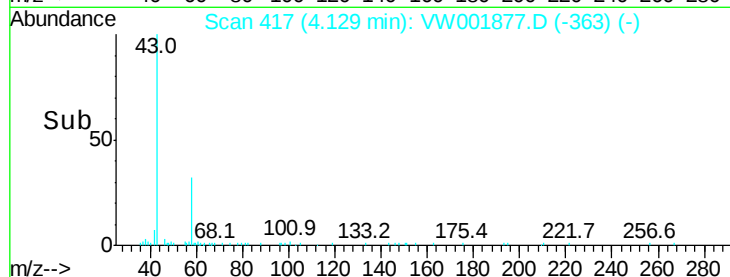
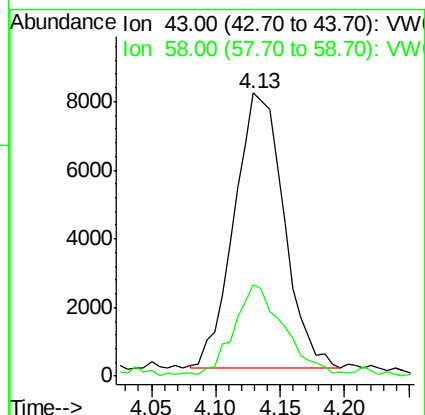
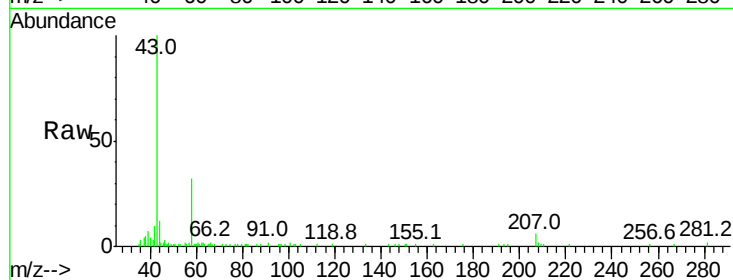
VSTD00582

Tgt Ion: 43 Resp: 21437

Ion Ratio Lower Upper

43 100

58 31.5 0.0 59.6



#14

Carbon disulfide

Concen: 4.91 ug/L

RT: 4.37 min Scan# 457

Delta R.T. -0.00 min

Lab File: VW001877.D

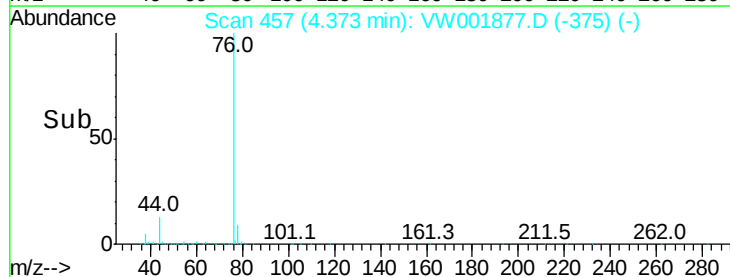
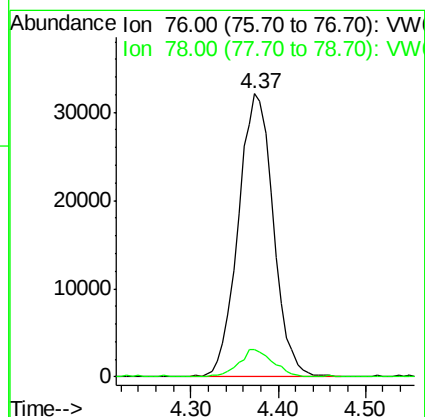
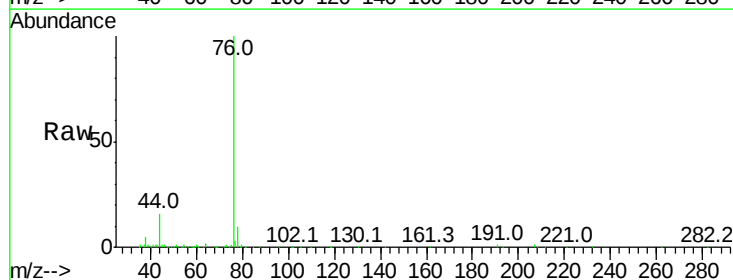
Acq: 05 Apr 2018 13:32

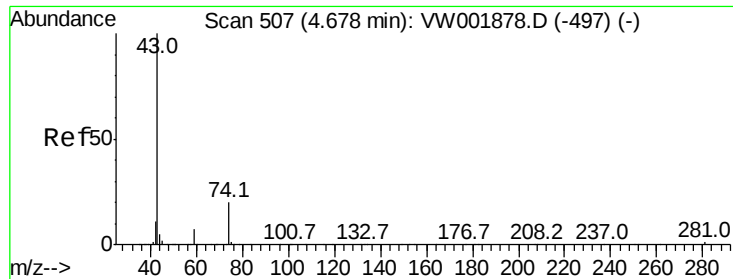
Tgt Ion: 76 Resp: 89364

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9

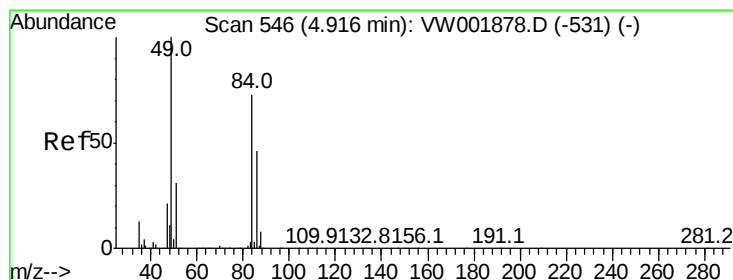
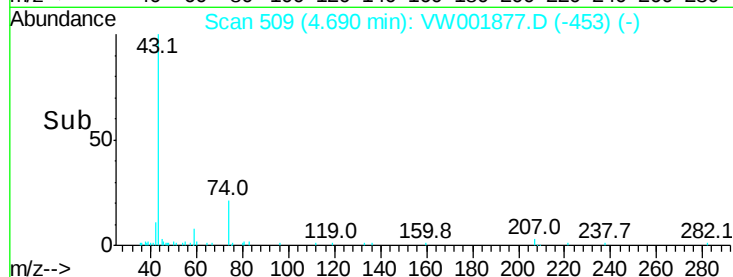
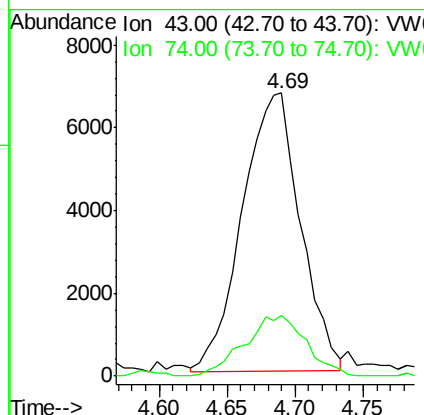
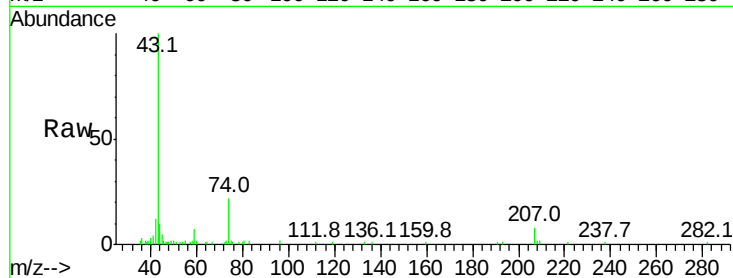




#15
Methyl Acetate
Concen: 6.13 ug/L
RT: 4.69 min Scan# 509
Delta R.T. 0.01 min
Lab File: VW001877.D
Acq: 05 Apr 2018 13:32

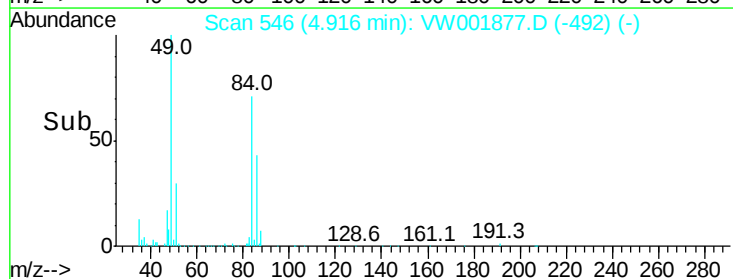
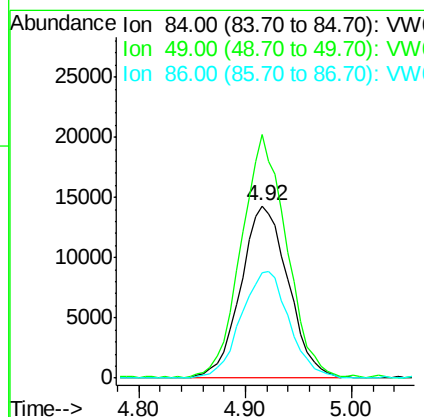
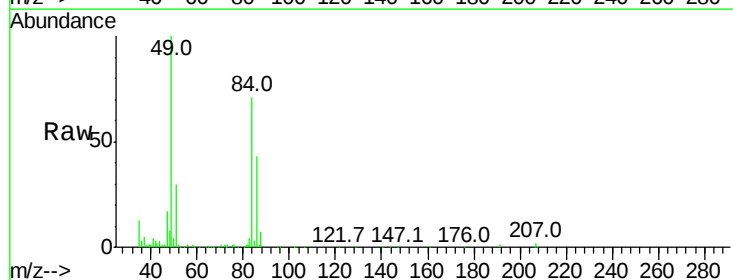
Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

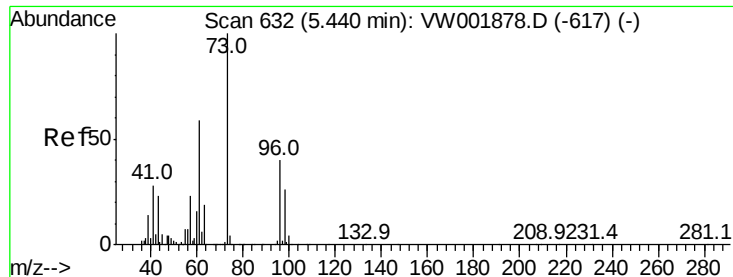
Tgt Ion: 43 Resp: 20020
Ion Ratio Lower Upper
43 100
74 23.3 17.0 25.4



#16
Methylene chloride
Concen: 6.25 ug/L
RT: 4.92 min Scan# 546
Delta R.T. -0.00 min
Lab File: VW001877.D
Acq: 05 Apr 2018 13:32

Tgt Ion: 84 Resp: 44651
Ion Ratio Lower Upper
84 100
49 141.5 96.2 178.6
86 61.5 44.1 81.9

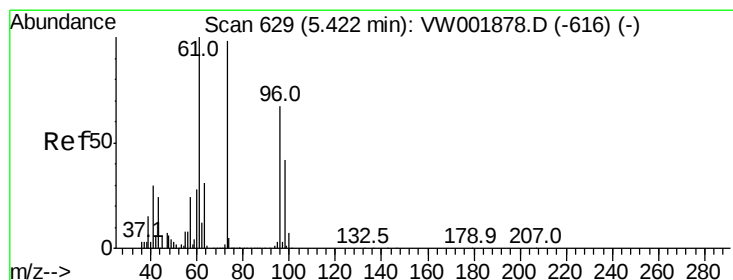
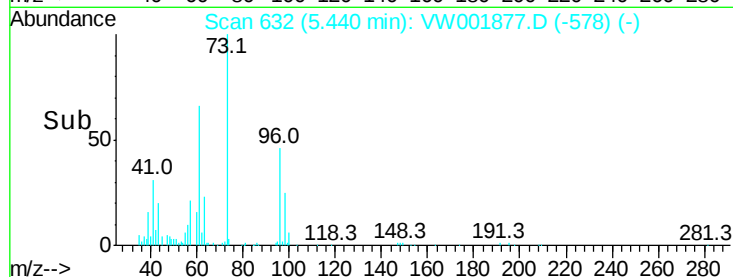
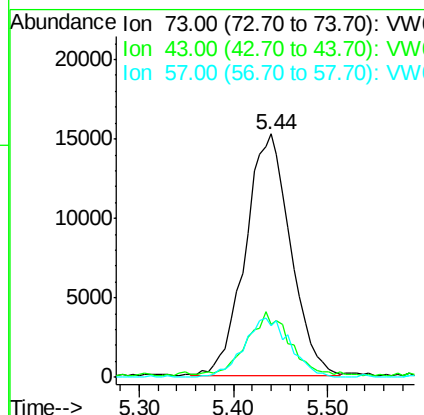
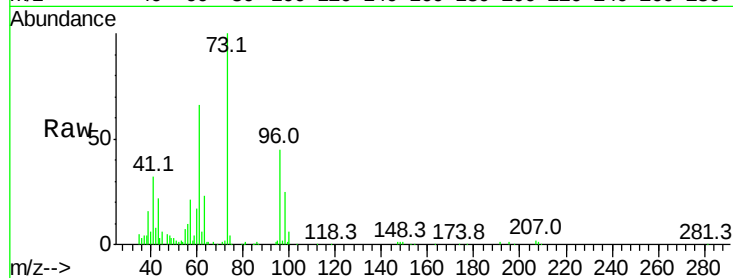




#17
Methyl tert-butyl Ether
Concen: 4.58 ug/L
RT: 5.44 min Scan# 632
Delta R.T. -0.00 min
Lab File: VW001877.D
Acq: 05 Apr 2018 13:32

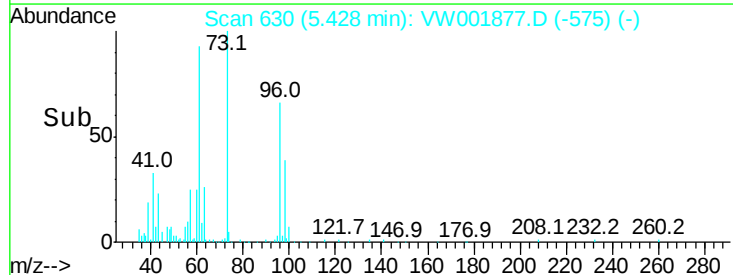
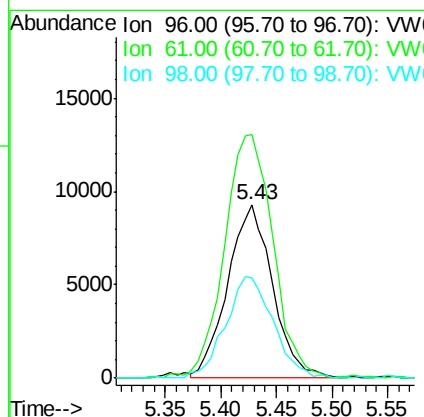
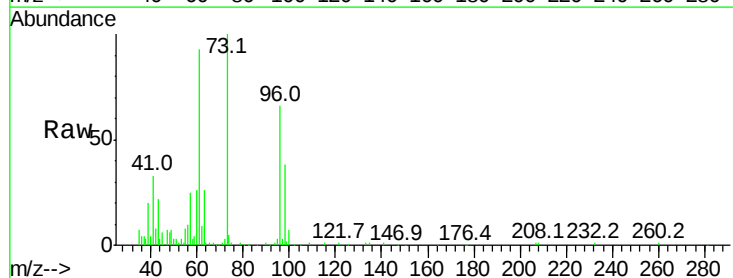
Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

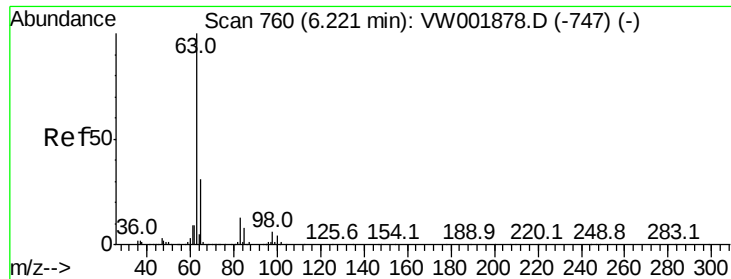
Tgt Ion: 73 Resp: 51121
Ion Ratio Lower Upper
73 100
43 13.3 18.6 28.0#
57 25.1 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 4.93 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW001877.D
Acq: 05 Apr 2018 13:32

Tgt Ion: 96 Resp: 26010
Ion Ratio Lower Upper
96 100
61 140.1 104.3 193.7
98 57.6 44.2 82.0

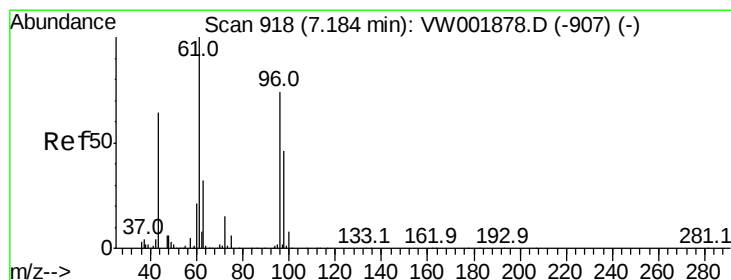
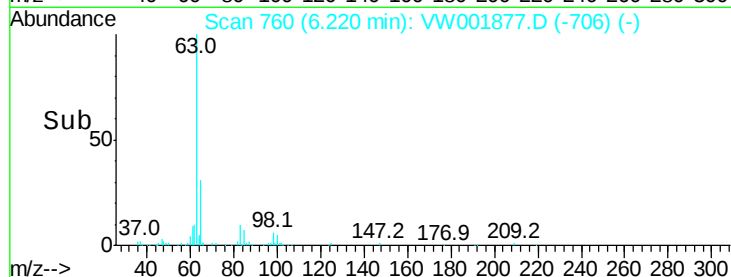
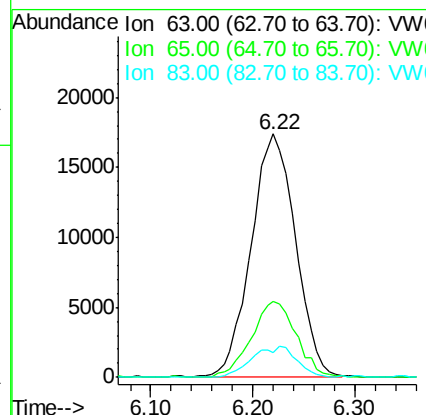
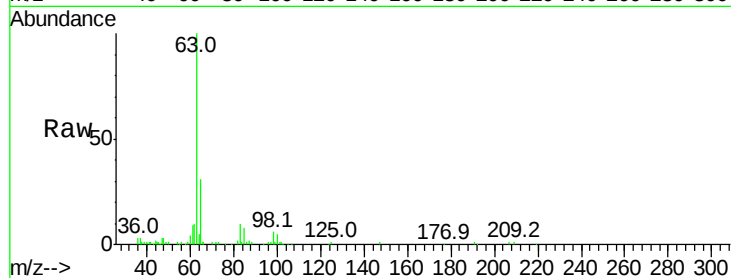




#19
 1,1-Dichloroethane
 Concen: 5.16 ug/L
 RT: 6.22 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: VW001877.D
 Acq: 05 Apr 2018 13:32

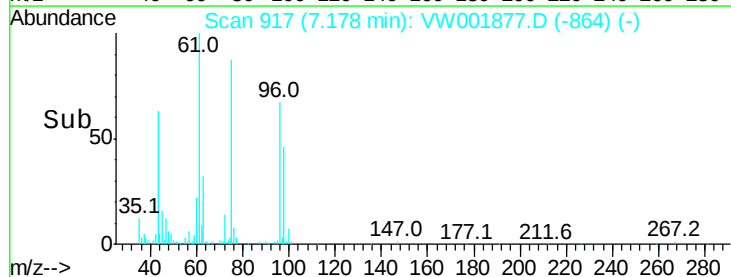
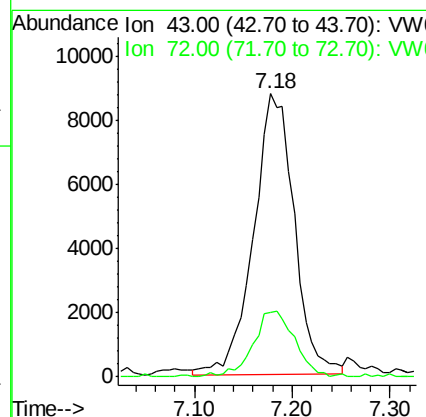
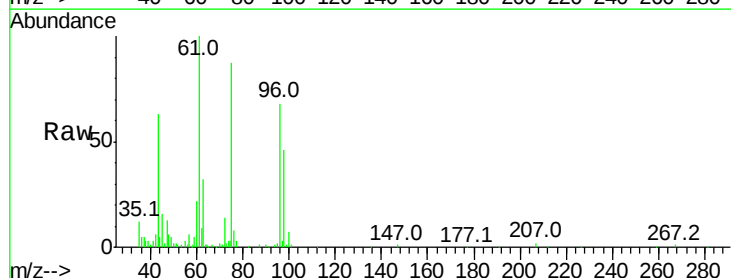
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00582

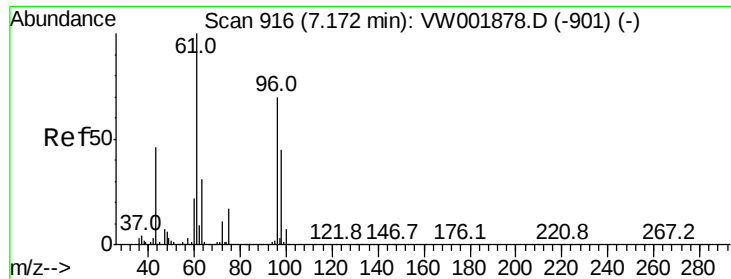
Tgt Ion: 63 Resp: 52845
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.7 40.3
 83 10.3 8.8 16.4



#21
 2-Butanone
 Concen: 11.26 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VW001877.D
 Acq: 05 Apr 2018 13:32

Tgt Ion: 43 Resp: 25242
 Ion Ratio Lower Upper
 43 100
 72 23.7 12.2 36.6



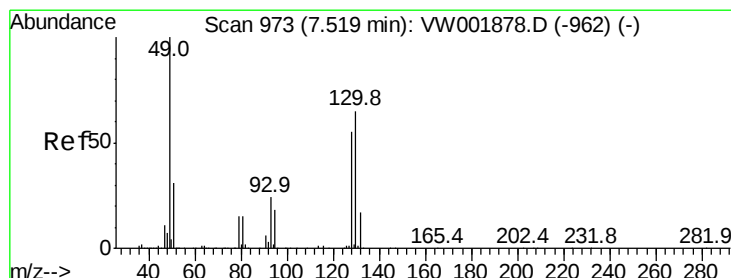
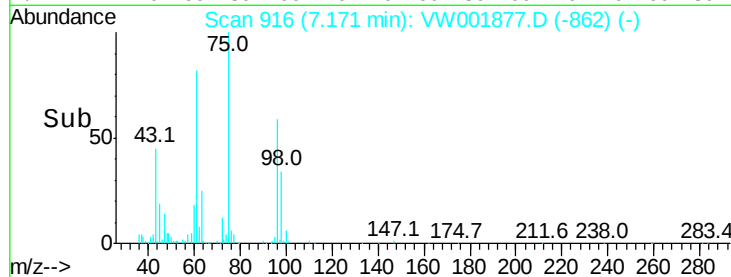
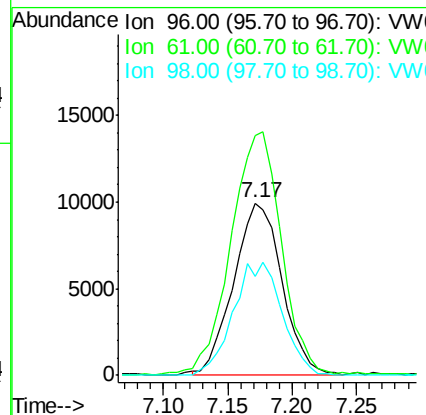
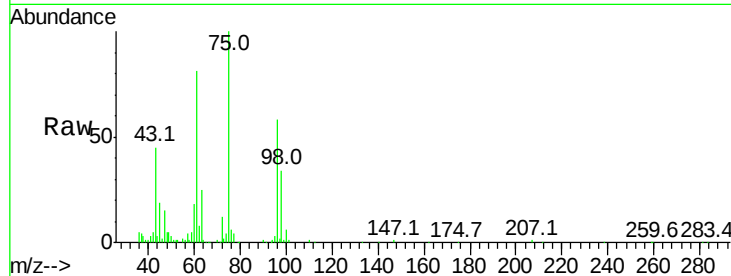


#22

cis-1,2-Dichloroethene
Concen: 4.84 ug/L
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW001877.D
Acq: 05 Apr 2018 13:32

Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

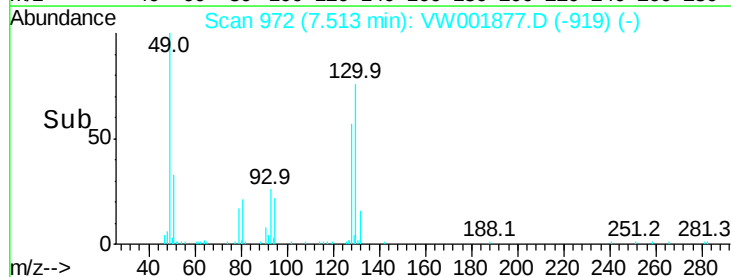
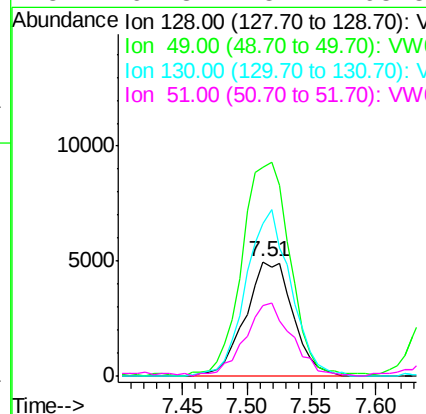
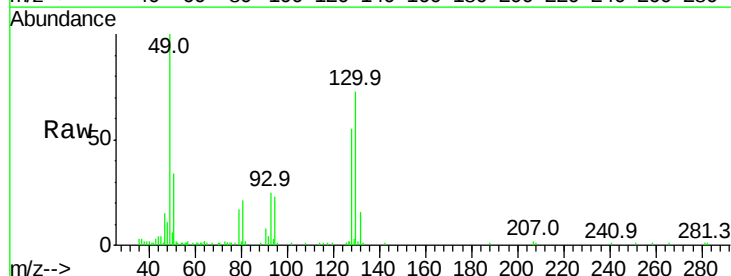
Tgt Ion: 96 Resp: 26076
Ion Ratio Lower Upper
96 100
61 139.1 99.5 184.9
98 57.8 45.2 84.0

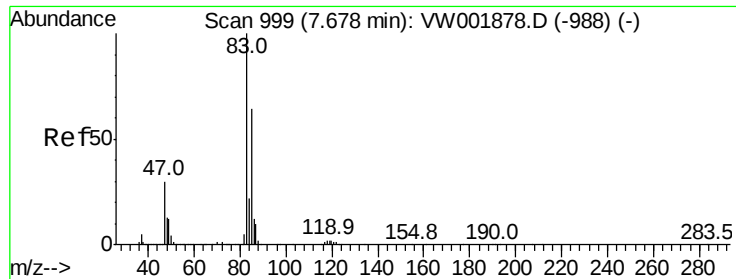


#23

Bromochloromethane
Concen: 5.36 ug/L
RT: 7.51 min Scan# 972
Delta R.T. -0.01 min
Lab File: VW001877.D
Acq: 05 Apr 2018 13:32

Tgt Ion: 128 Resp: 12687
Ion Ratio Lower Upper
128 100
49 182.8 127.9 237.5
130 133.9 82.9 153.9
51 61.3 45.7 68.5





#25

Chloroform

Concen: 5.70 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

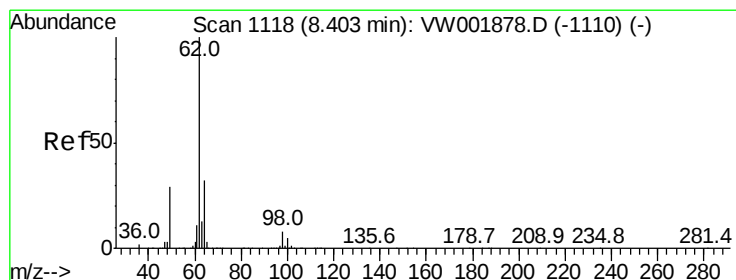
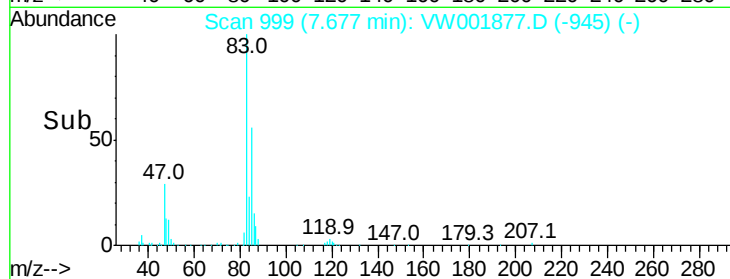
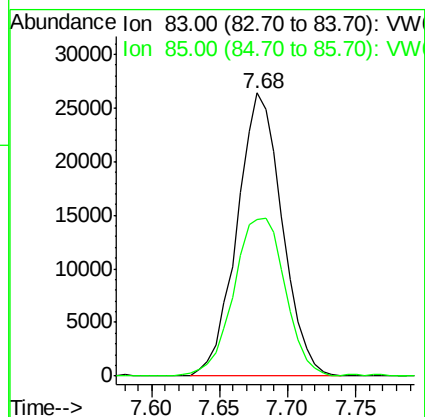
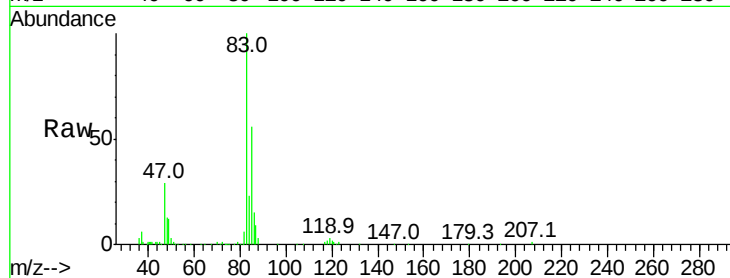
VSTD00582

Tgt Ion: 83 Resp: 61187

Ion Ratio Lower Upper

83 100

85 63.7 45.6 84.6



#27

1,2-Dichloroethane

Concen: 5.10 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW001877.D

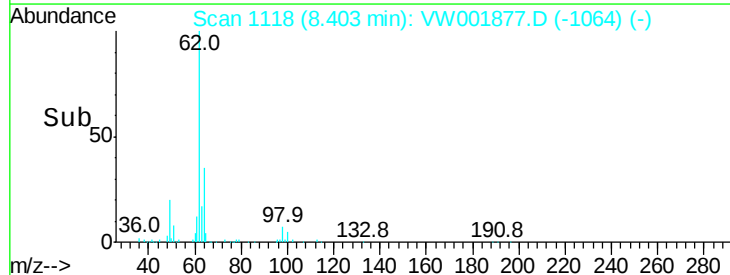
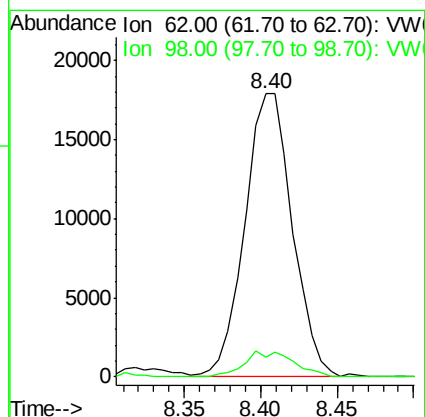
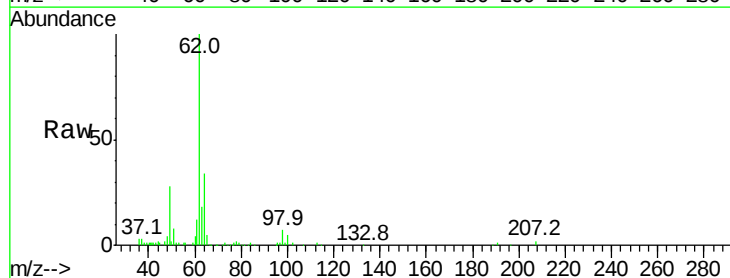
Acq: 05 Apr 2018 13:32

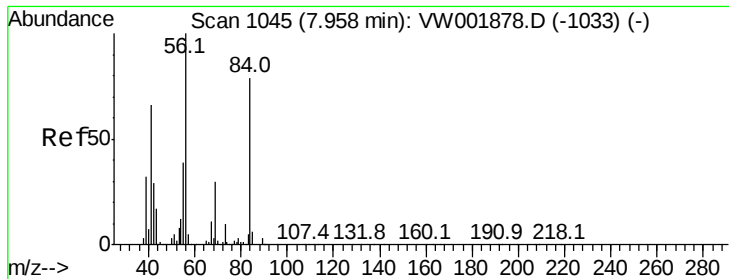
Tgt Ion: 62 Resp: 38646

Ion Ratio Lower Upper

62 100

98 6.8 6.7 10.1





#30

Cyclohexane

Concen: 4.37 ug/L

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

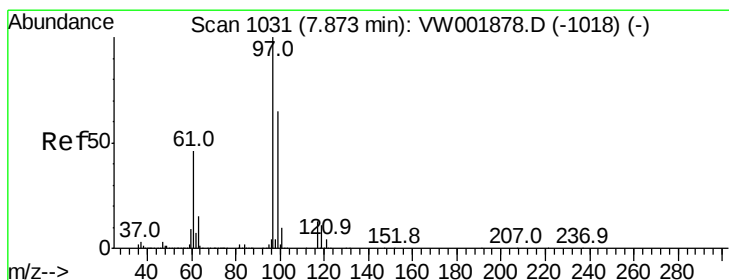
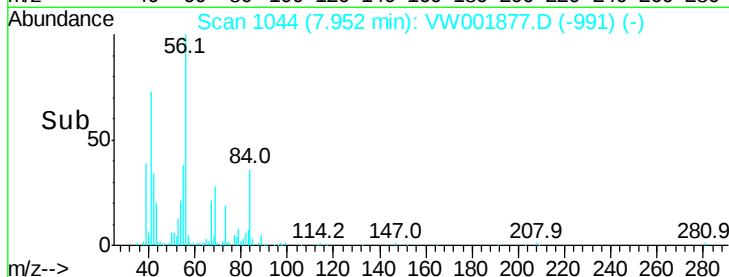
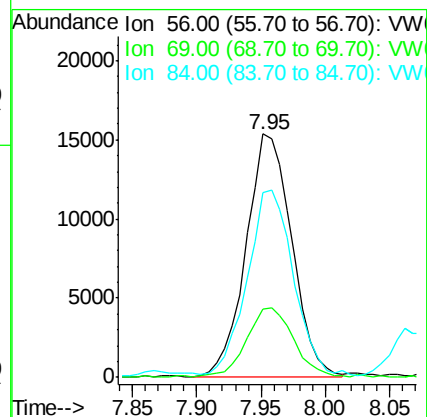
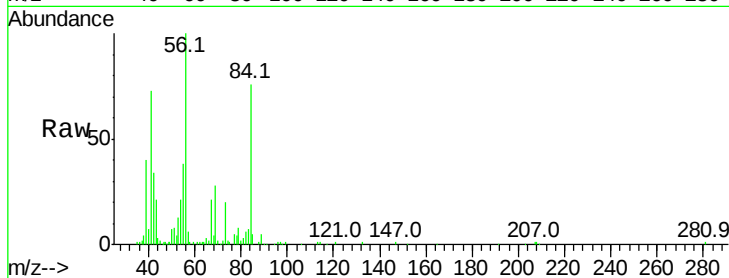
Tgt Ion: 56 Resp: 37846

Ion Ratio Lower Upper

56 100

69 29.4 22.9 34.3

84 78.0 64.3 96.5



#31

1,1,1-Trichloroethane

Concen: 5.15 ug/L

RT: 7.88 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

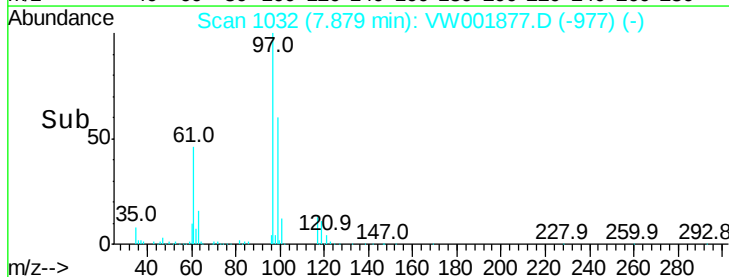
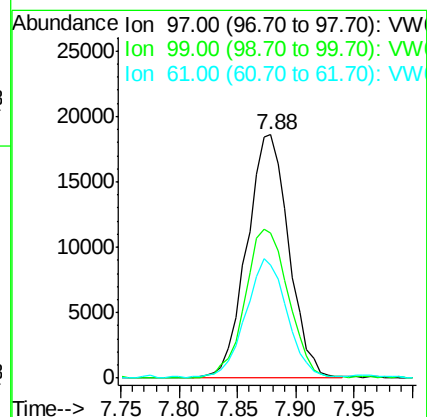
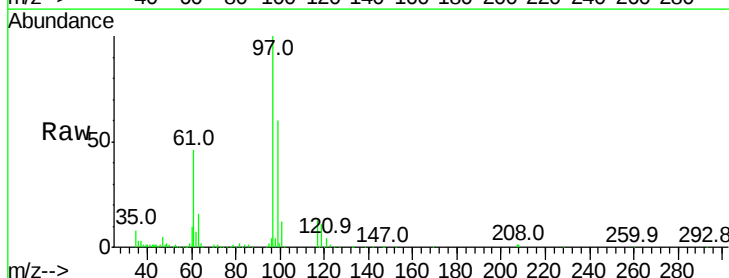
Tgt Ion: 97 Resp: 46698

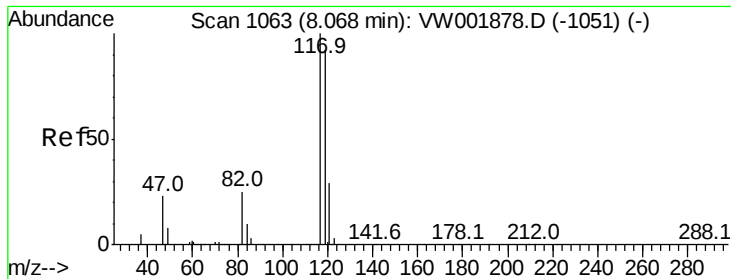
Ion Ratio Lower Upper

97 100

99 63.2 52.0 78.0

61 48.4 38.0 57.0





#32

Carbon tetrachloride

Concen: 5.23 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

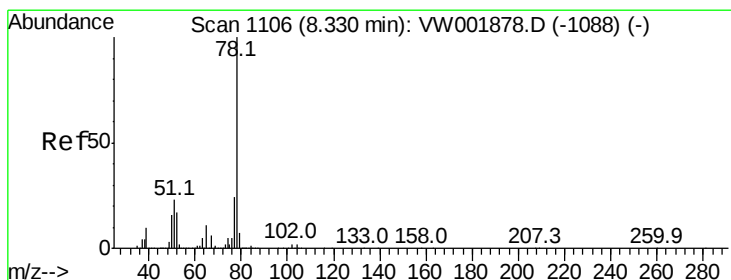
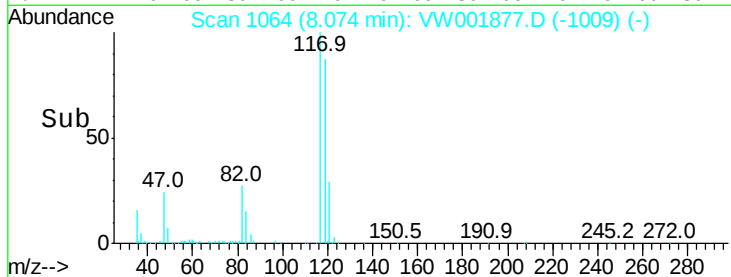
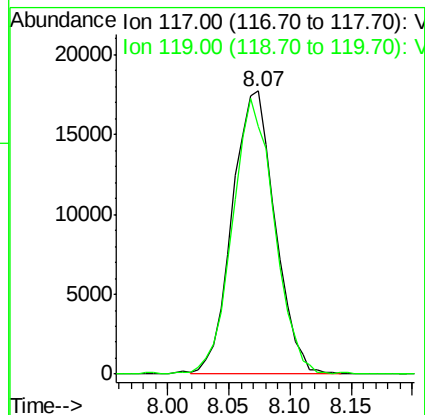
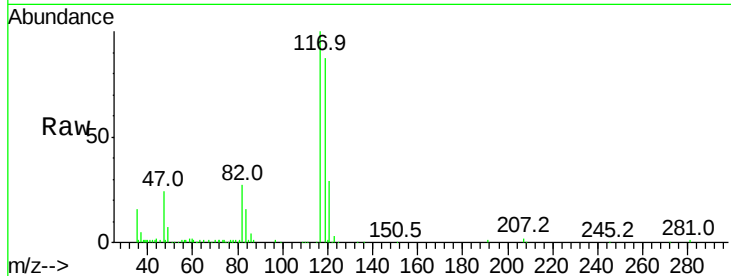
VSTD00582

Tgt Ion:117 Resp: 43115

Ion Ratio Lower Upper

117 100

119 95.3 76.3 114.5



#34

Benzene

Concen: 4.88 ug/L

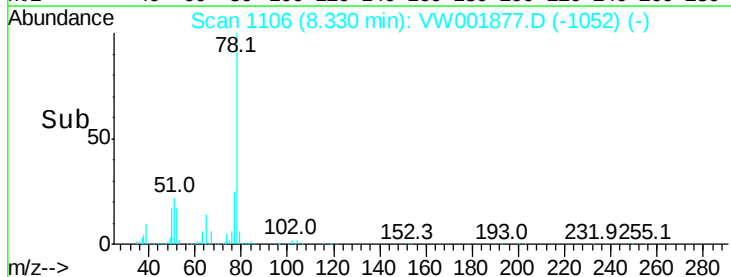
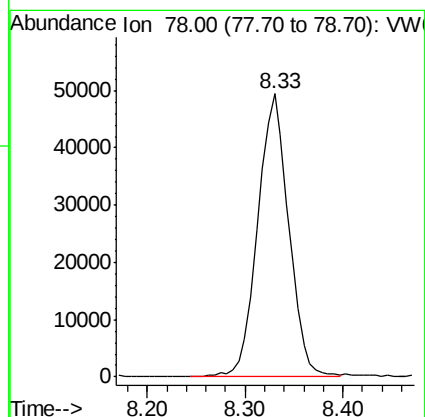
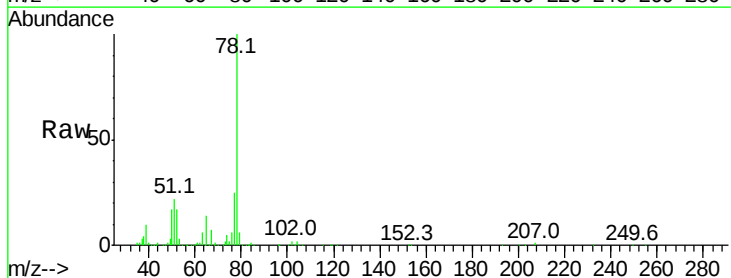
RT: 8.33 min Scan# 1106

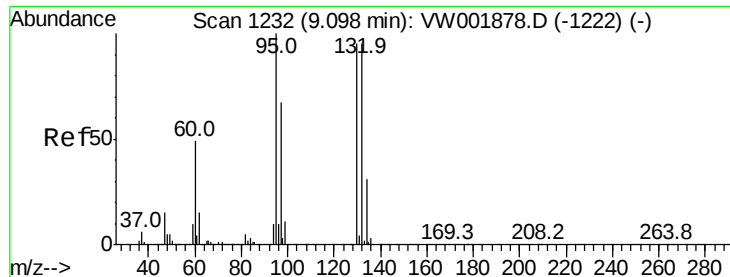
Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

Tgt Ion: 78 Resp: 108986





#35

Trichloroethene

Concen: 4.88 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

Tgt Ion: 95 Resp: 29145

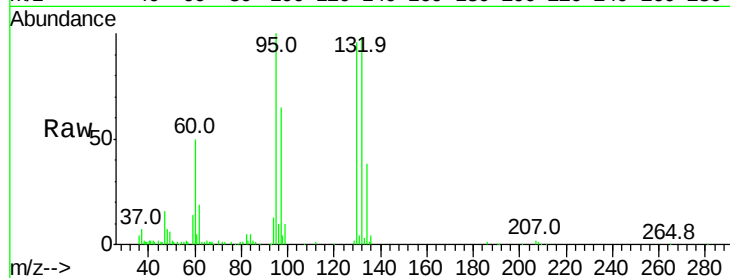
Ion Ratio Lower Upper

95 100

97 64.5 44.9 83.3

132 97.7 66.2 123.0

130 96.5 68.5 127.1

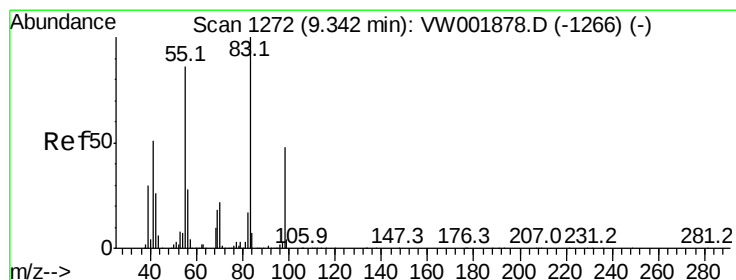
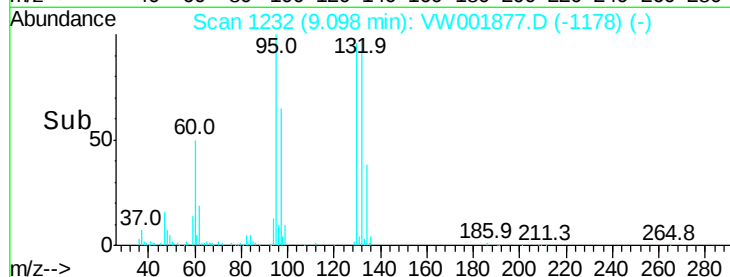
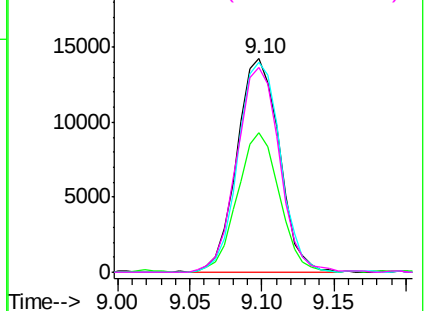


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 4.24 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

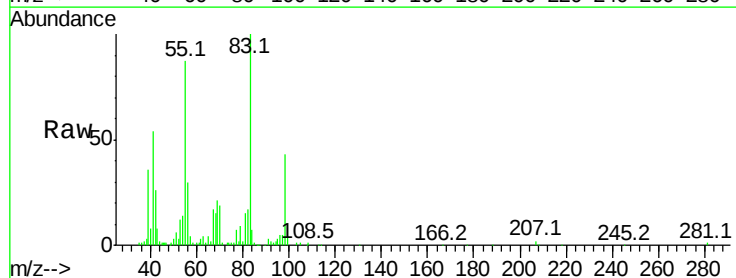
Tgt Ion: 83 Resp: 39730

Ion Ratio Lower Upper

83 100

55 92.0 67.0 100.4

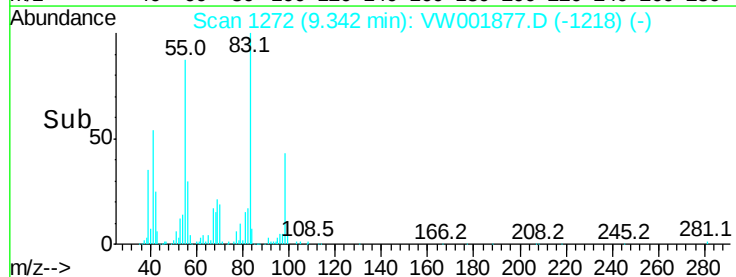
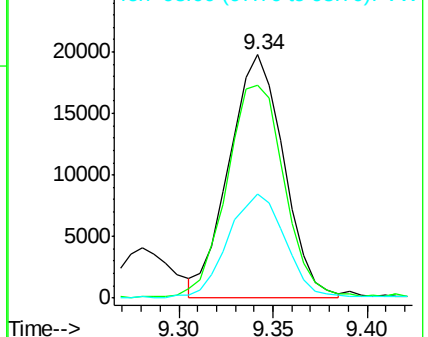
98 45.0 35.9 53.9

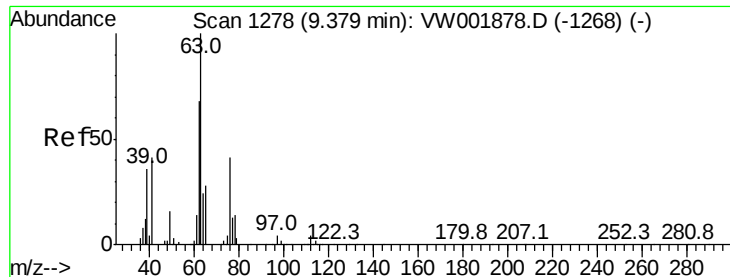


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 4.94 ug/L

RT: 9.38 min Scan# 1278

Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

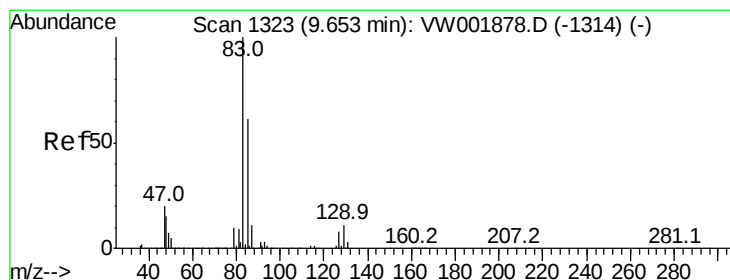
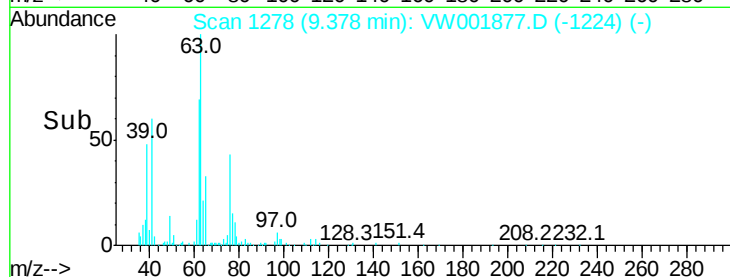
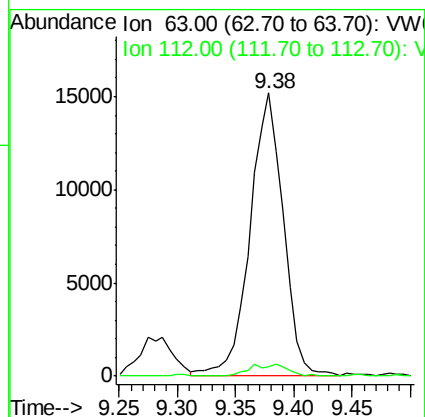
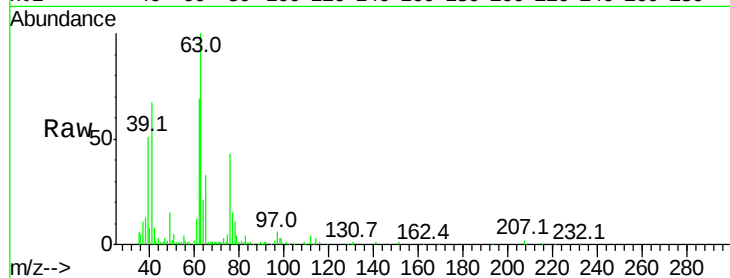
VSTD00582

Tgt Ion: 63 Resp: 30418

Ion Ratio Lower Upper

63 100

112 2.8 2.9 4.3#



#41

Bromodichloromethane

Concen: 4.89 ug/L

RT: 9.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

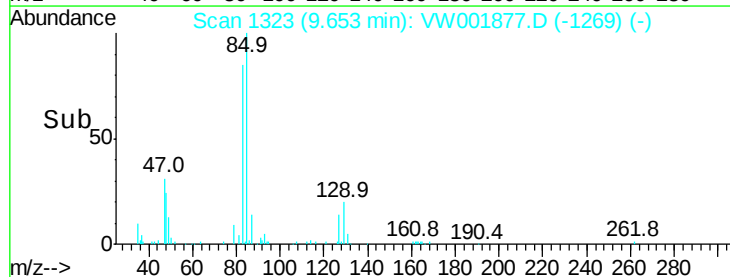
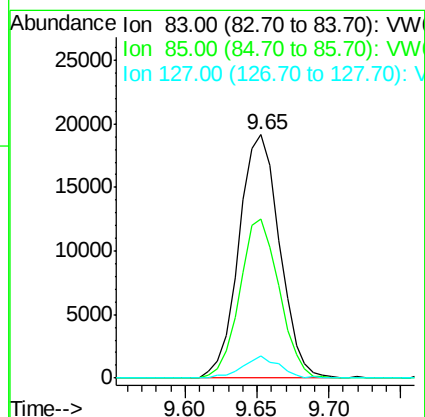
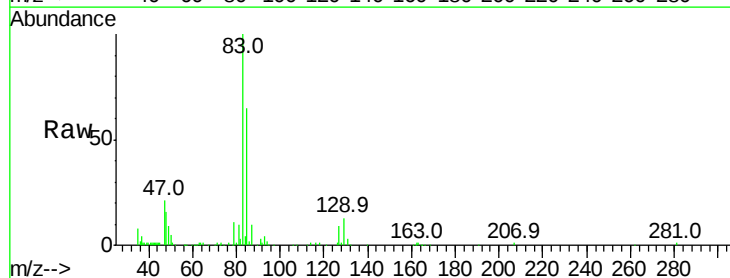
Tgt Ion: 83 Resp: 37611

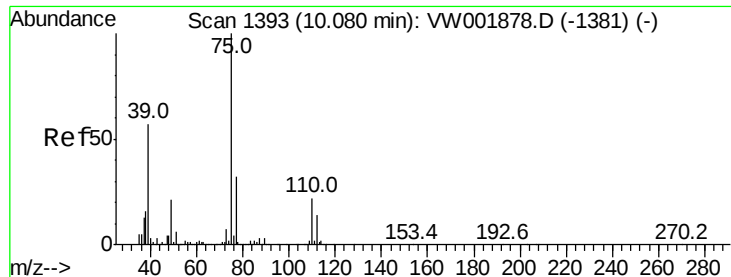
Ion Ratio Lower Upper

83 100

85 65.3 42.7 79.3

127 8.9 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 4.56 ug/L

RT: 10.09 min Scan# 1394

Delta R.T. 0.01 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

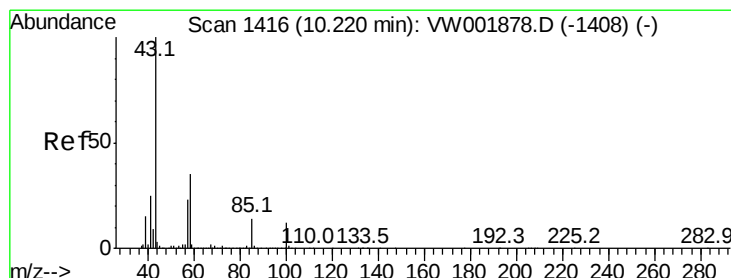
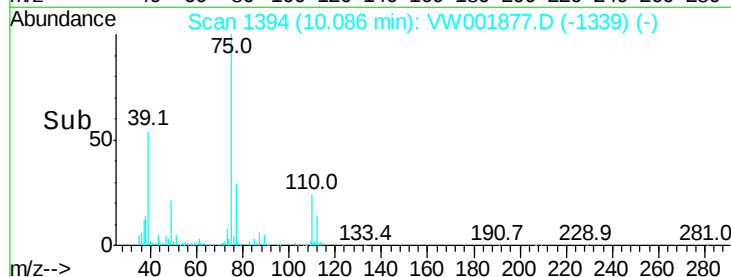
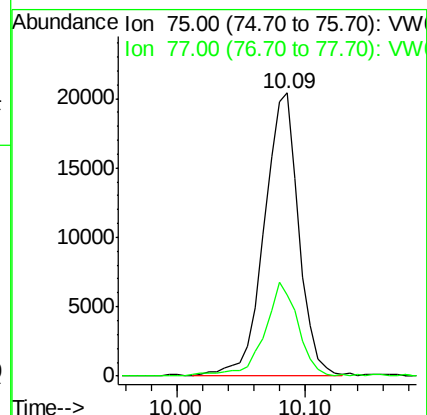
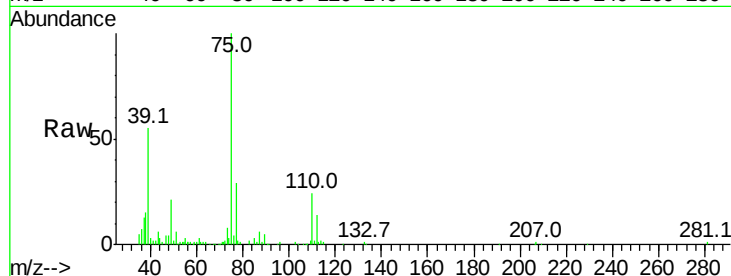
VSTD00582

Tgt Ion: 75 Resp: 37813

Ion Ratio Lower Upper

75 100

77 28.9 22.7 42.1



#43

4-Methyl-2-pentanone

Concen: 10.05 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

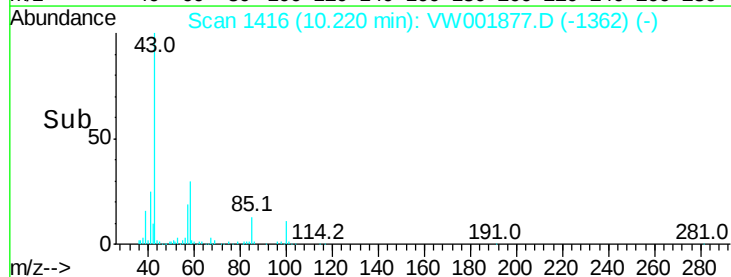
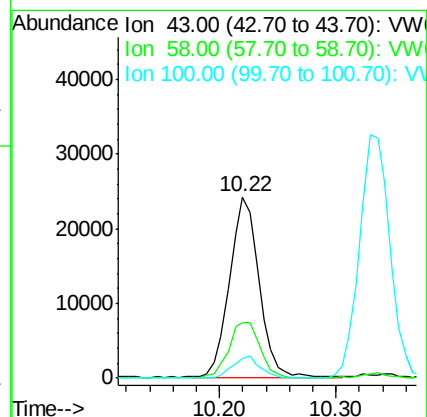
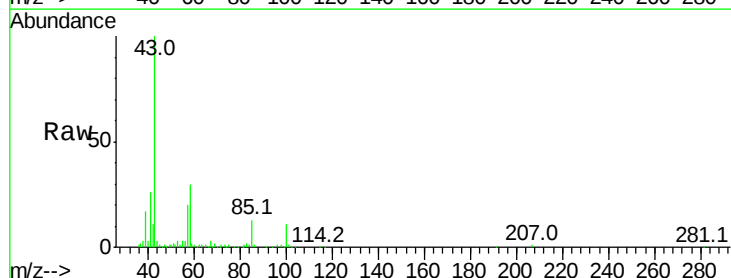
Tgt Ion: 43 Resp: 42666

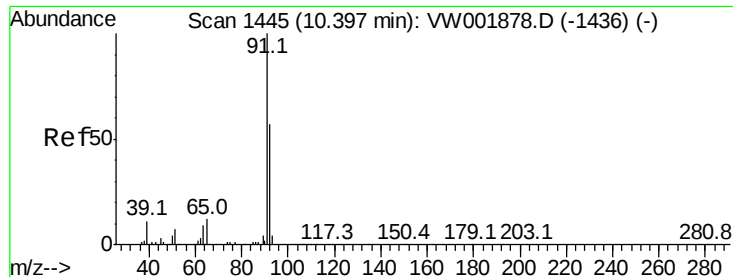
Ion Ratio Lower Upper

43 100

58 33.2 28.1 42.1

100 11.2 9.6 14.4





#44

Toluene

Concen: 4.65 ug/L

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

Instrument :

MSVOA_W

ClientSampled :

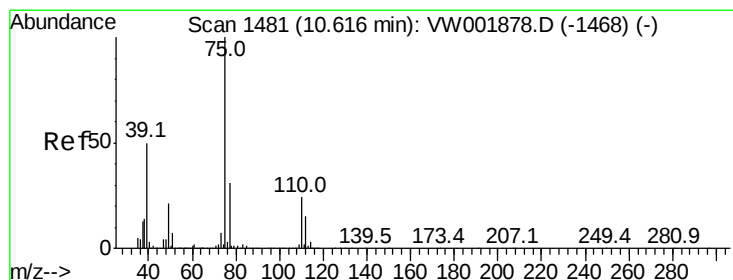
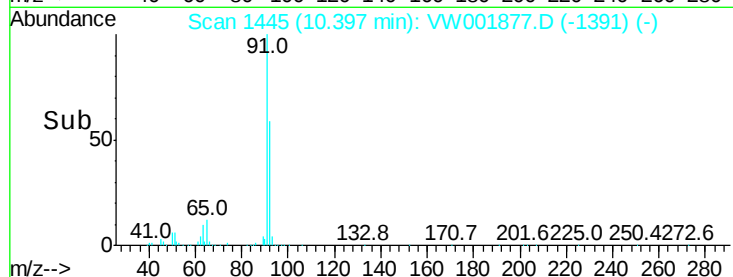
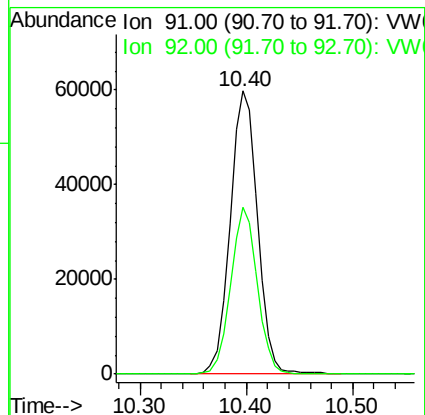
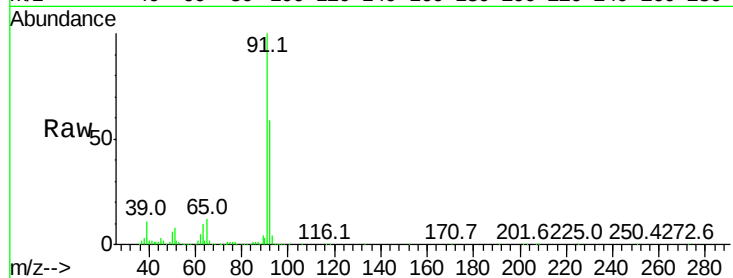
VSTD00582

Tgt Ion: 91 Resp: 107592

Ion Ratio Lower Upper

91 100

92 58.9 40.0 74.2



#45

trans-1,3-Dichloropropene

Concen: 4.63 ug/L

RT: 10.62 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW001877.D

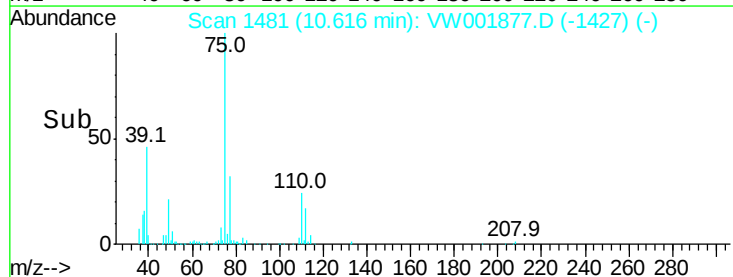
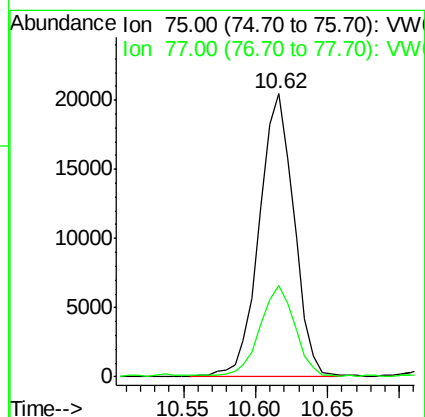
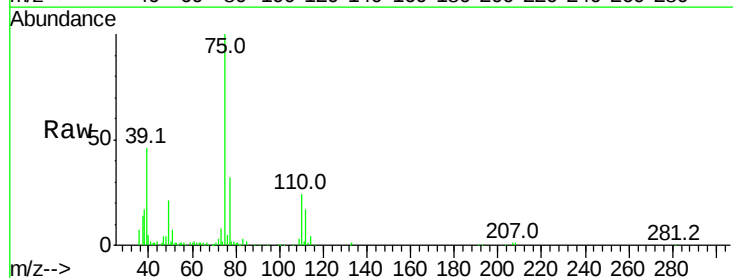
Acq: 05 Apr 2018 13:32

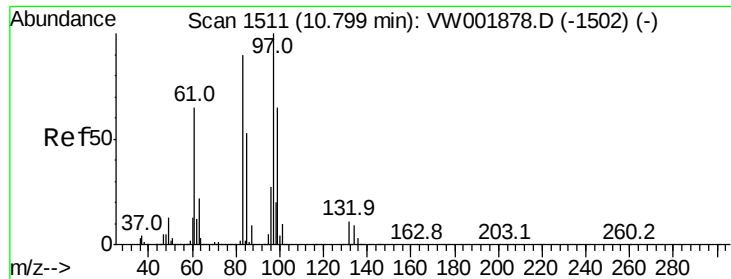
Tgt Ion: 75 Resp: 34248

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.6

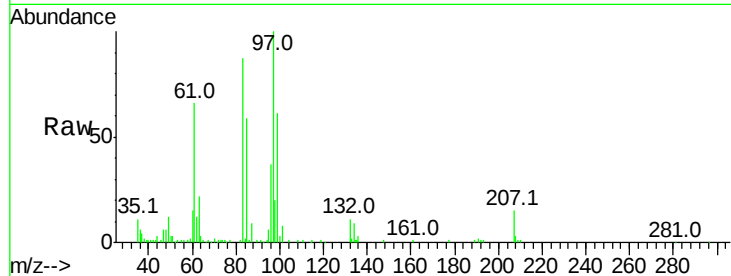




#46
 1,1,2-Trichloroethane
 Concen: 5.22 ug/L
 RT: 10.80 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VW001877.D
 Acq: 05 Apr 2018 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00582

Tgt Ion:	97	Resp:	23857
Ion	Ratio	Lower	Upper
97	100		
83	87.1	62.6	116.3
85	59.5	37.2	69.2
99	61.3	45.2	84.0



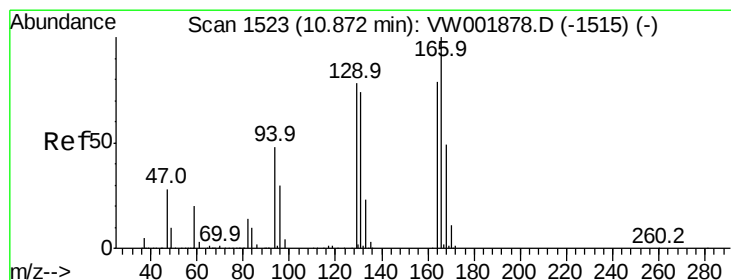
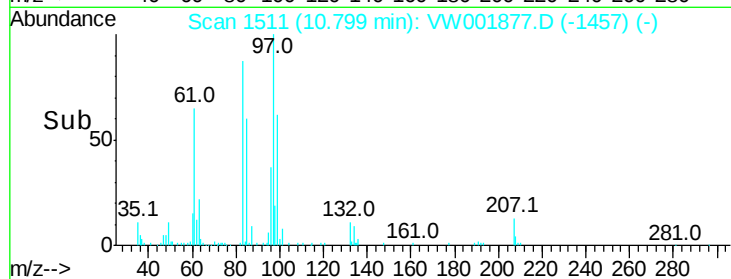
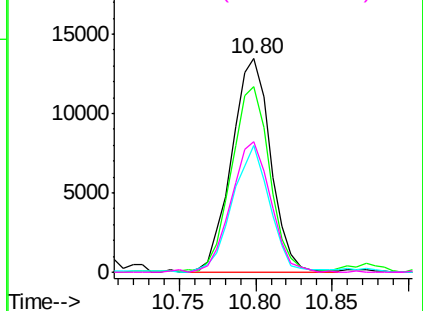
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

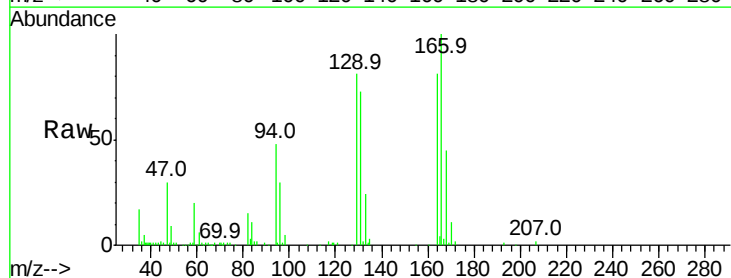
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 5.12 ug/L
 RT: 10.87 min Scan# 1523
 Delta R.T. -0.00 min
 Lab File: VW001877.D
 Acq: 05 Apr 2018 13:32

Tgt Ion:	164	Resp:	23768
Ion	Ratio	Lower	Upper
164	100		
129	100.1	68.7	127.7
131	92.6	65.7	122.1
166	123.1	88.7	164.7



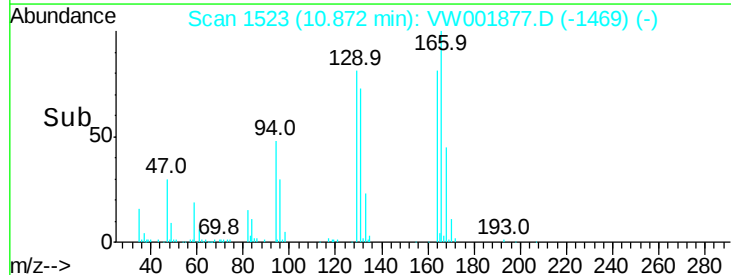
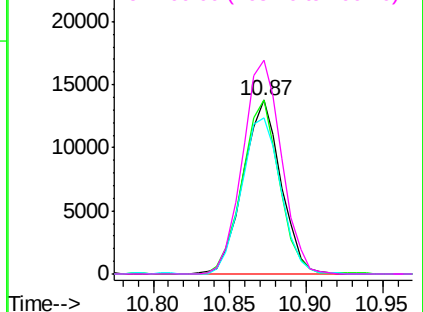
Abundance

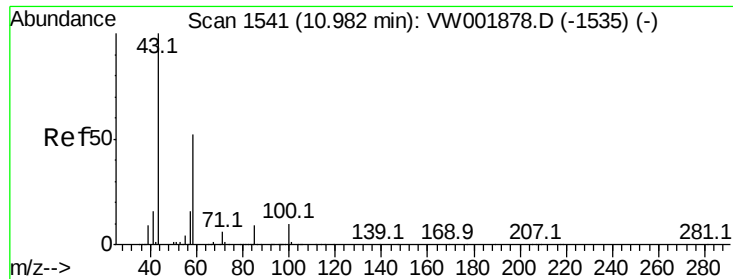
Ion 164.00 (163.70 to 164.70): V

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

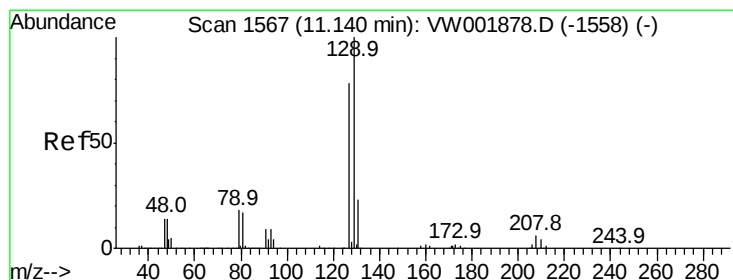
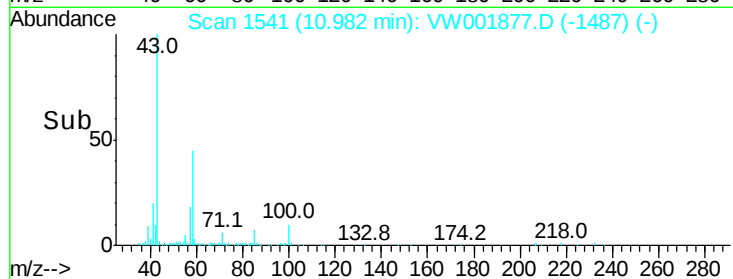
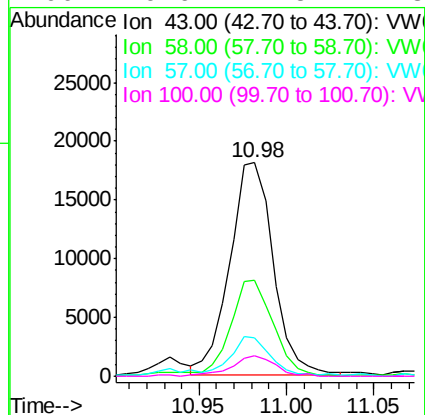
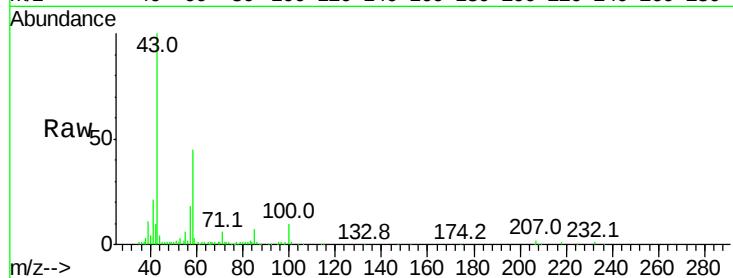




#49
2-Hexanone
Concen: 10.14 ug/L
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VW001877.D
Acq: 05 Apr 2018 13:32

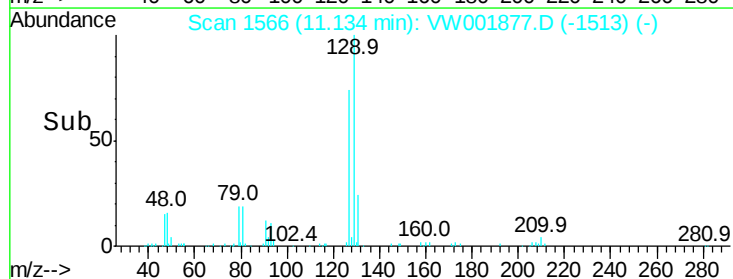
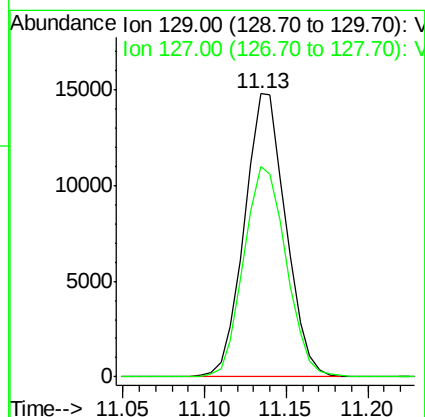
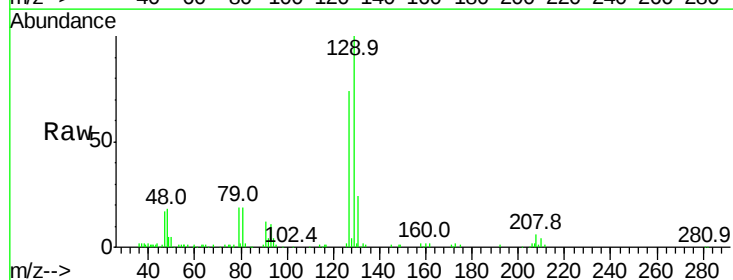
Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

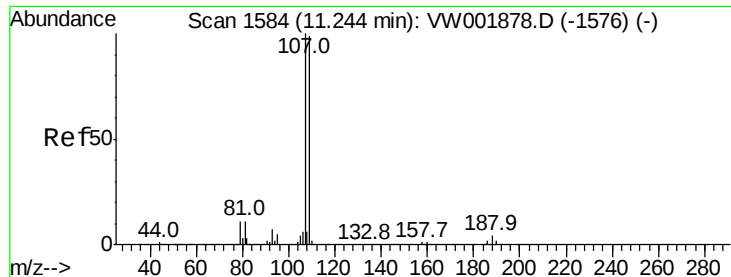
Tgt Ion:	43	Resp:	31268
Ion	Ratio	Lower	Upper
43	100		
58	44.5	40.5	60.7
57	17.0	13.8	20.6
100	9.6	7.5	11.3



#50
Dibromochloromethane
Concen: 4.96 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VW001877.D
Acq: 05 Apr 2018 13:32

Tgt Ion:	129	Resp:	26131
Ion	Ratio	Lower	Upper
129	100		
127	74.4	54.8	101.8





#51

1,2-Dibromoethane

Concen: 5.41 ug/L

RT: 11.24 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

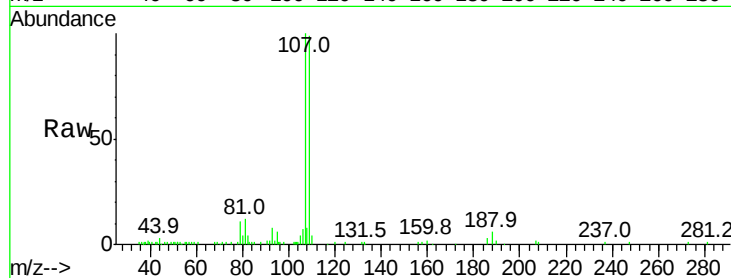
Tgt Ion:107 Resp: 22103

Ion Ratio Lower Upper

107 100

109 98.5 69.0 128.2

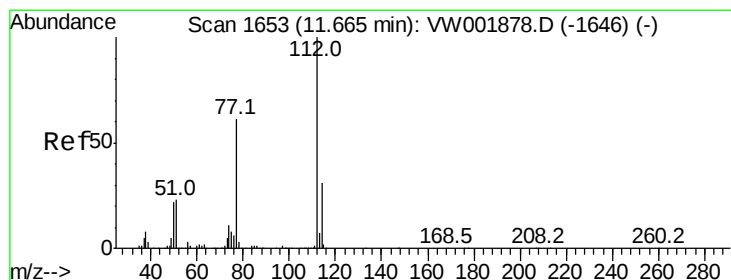
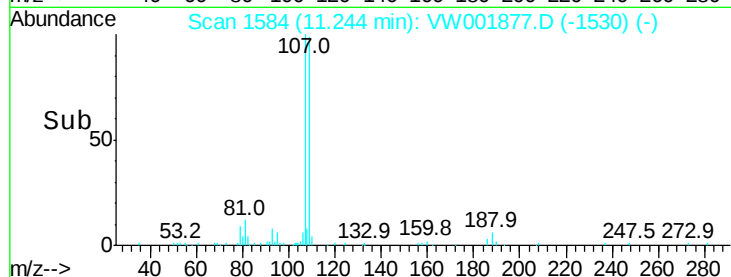
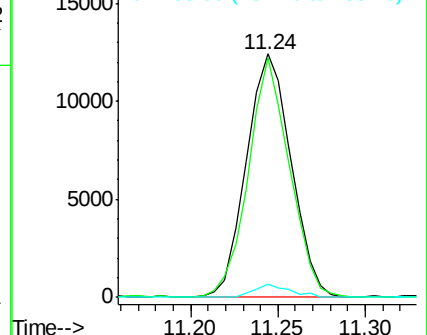
188 5.6 3.0 4.4#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 4.88 ug/L

RT: 11.67 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

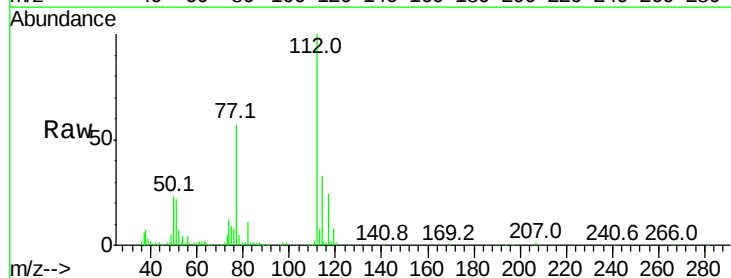
Tgt Ion:112 Resp: 73848

Ion Ratio Lower Upper

112 100

77 57.5 49.4 74.0

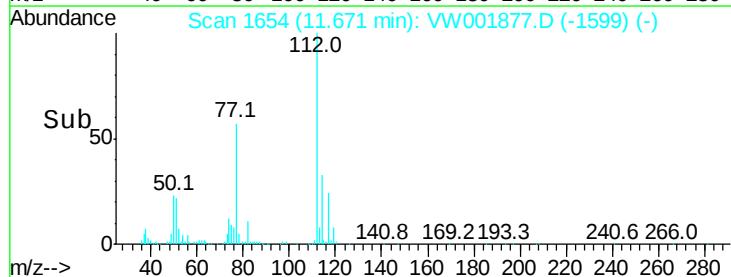
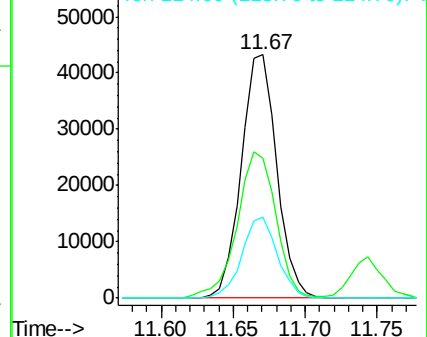
114 33.2 21.8 40.6

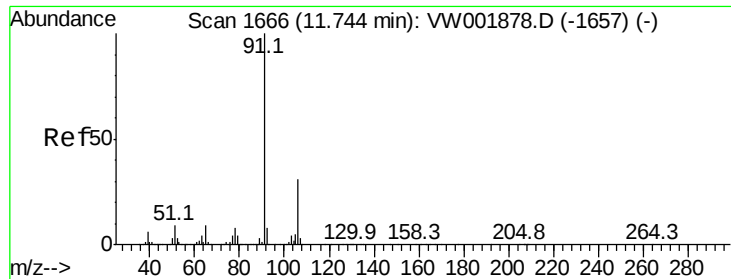


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 4.44 ug/L

RT: 11.74 min Scan# 1666

Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

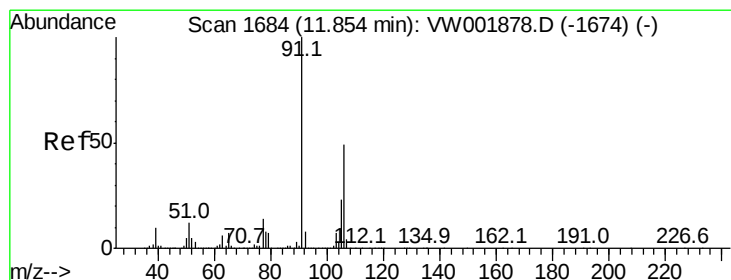
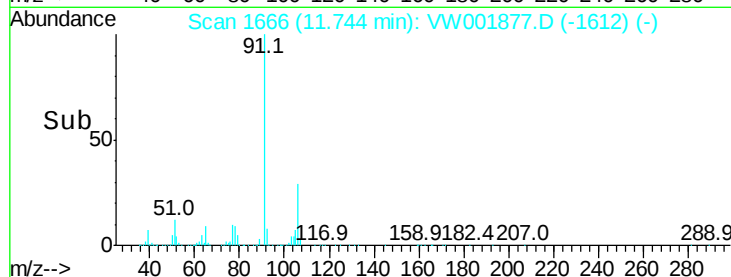
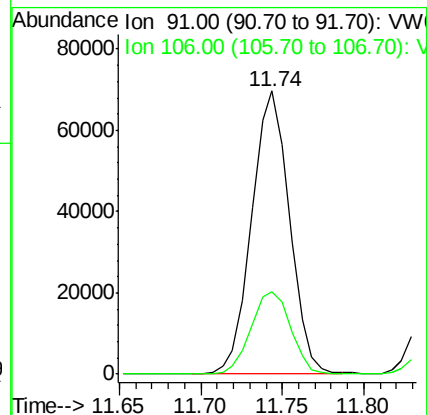
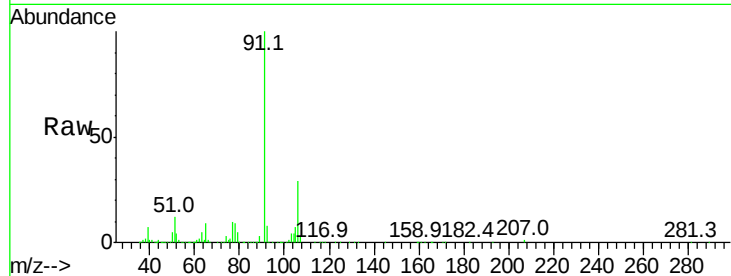
VSTD00582

Tgt Ion: 91 Resp: 112566

Ion Ratio Lower Upper

91 100

106 29.1 21.6 40.0



#54

m,p-Xylene

Concen: 4.43 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW001877.D

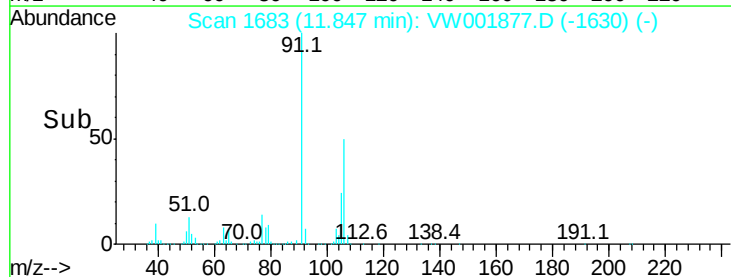
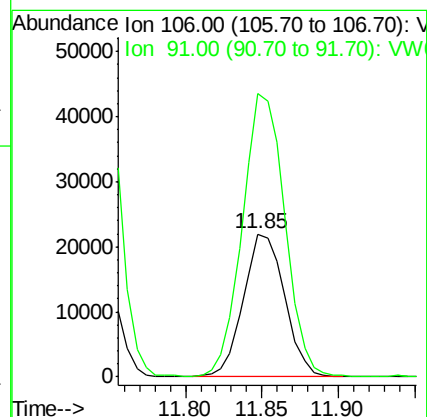
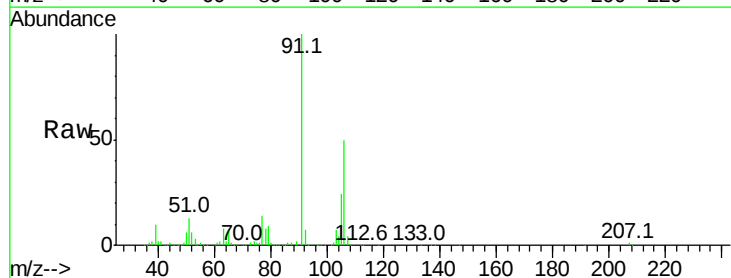
Acq: 05 Apr 2018 13:32

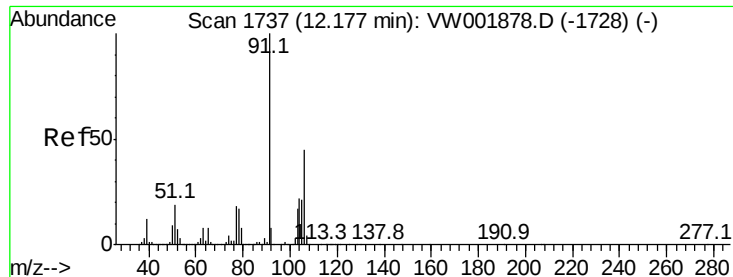
Tgt Ion: 106 Resp: 41219

Ion Ratio Lower Upper

106 100

91 198.4 142.9 265.3





#55

o-xylene

Concen: 4.28 ug/L

RT: 12.18 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

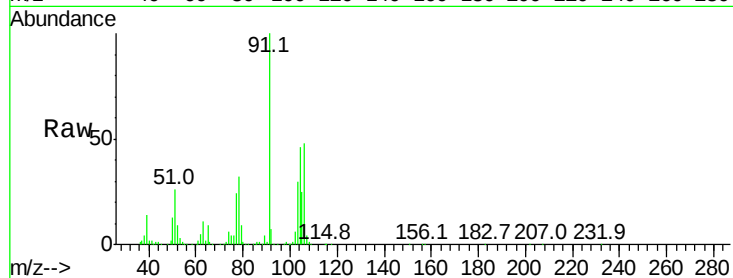
VSTD00582

Tgt Ion:106 Resp: 37268

Ion Ratio Lower Upper

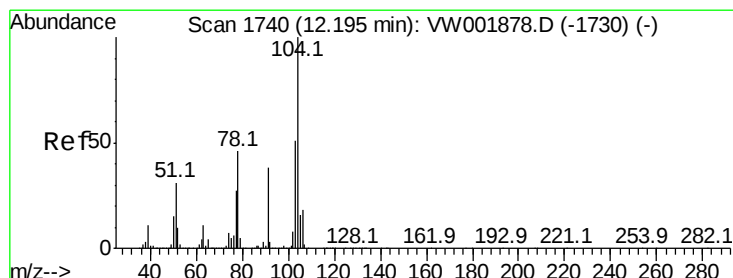
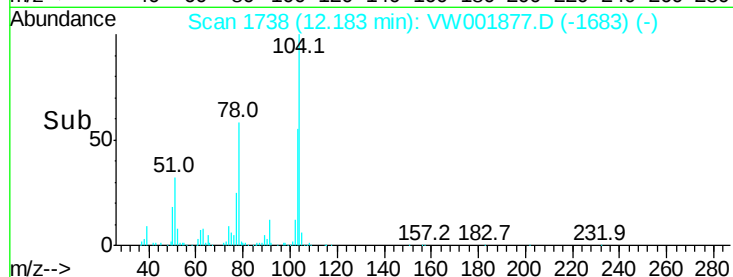
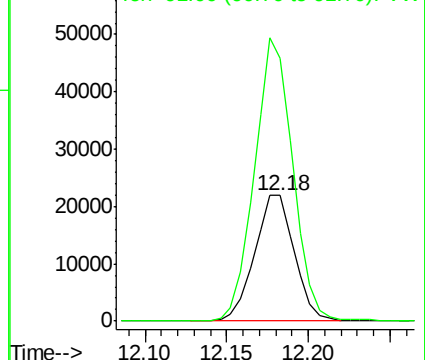
106 100

91 208.4 155.2 288.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 4.12 ug/L

RT: 12.19 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW001877.D

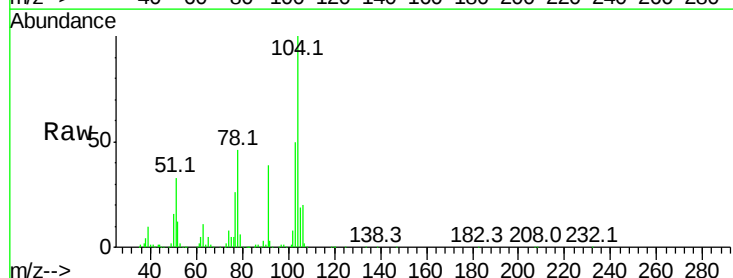
Acq: 05 Apr 2018 13:32

Tgt Ion:104 Resp: 62697

Ion Ratio Lower Upper

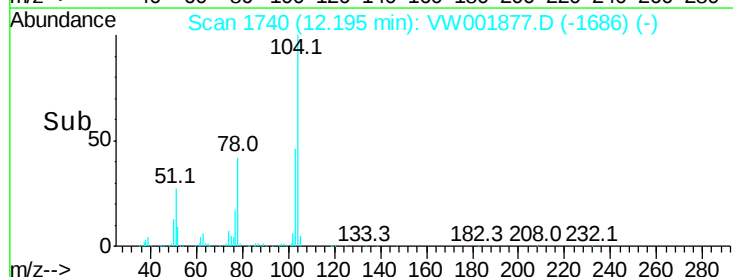
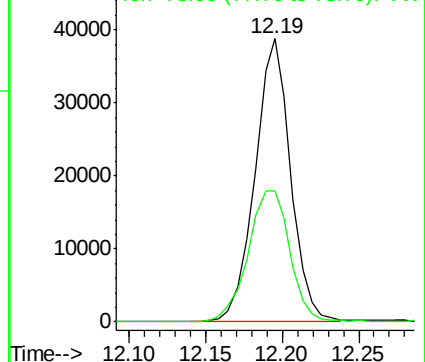
104 100

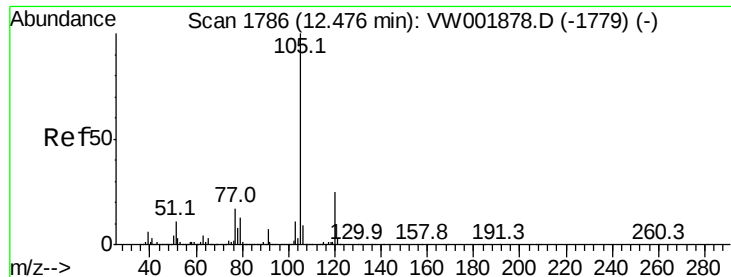
78 46.2 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 4.26 ug/L

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

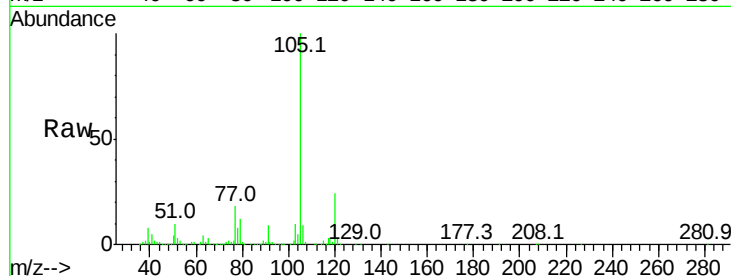
Tgt Ion:105 Resp: 99348

Ion Ratio Lower Upper

105 100

120 27.0 20.7 31.1

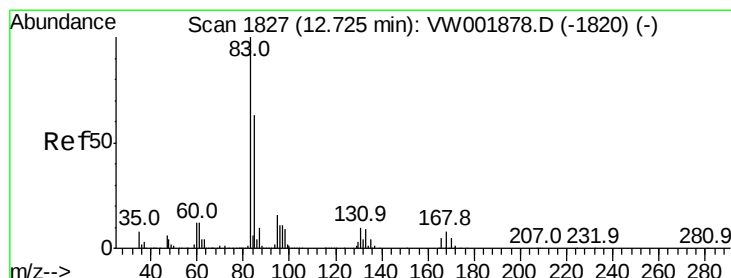
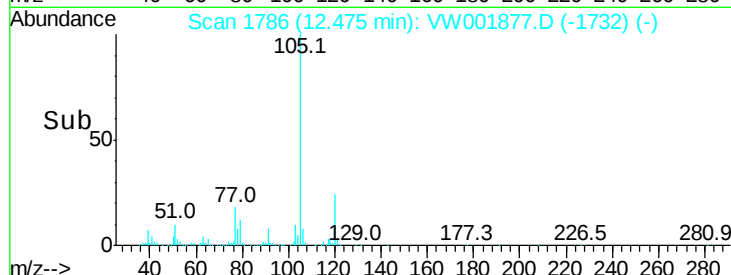
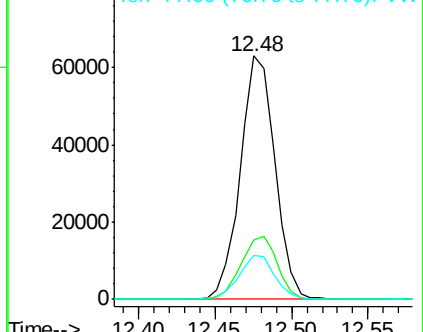
77 18.6 13.4 20.0



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: 5.53 ug/L

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

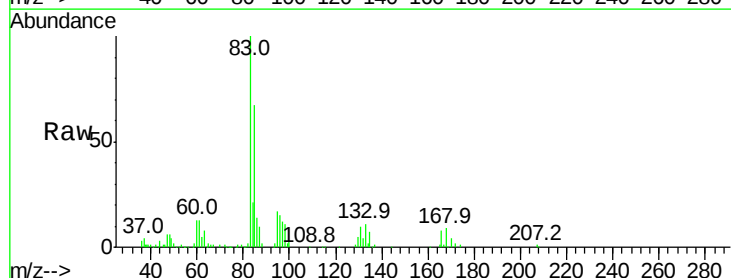
Tgt Ion: 83 Resp: 32459

Ion Ratio Lower Upper

83 100

85 66.8 44.0 81.6

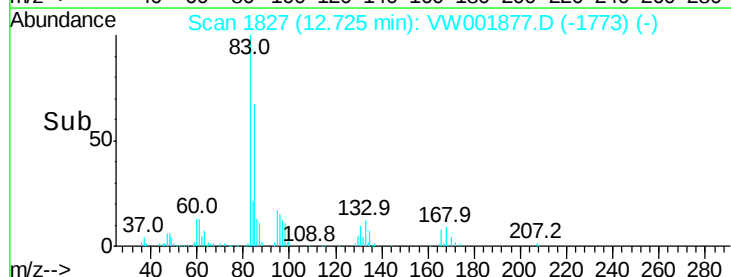
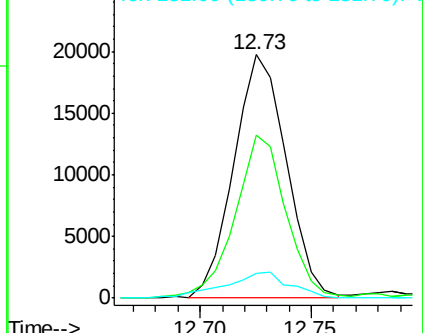
131 9.9 8.0 12.0

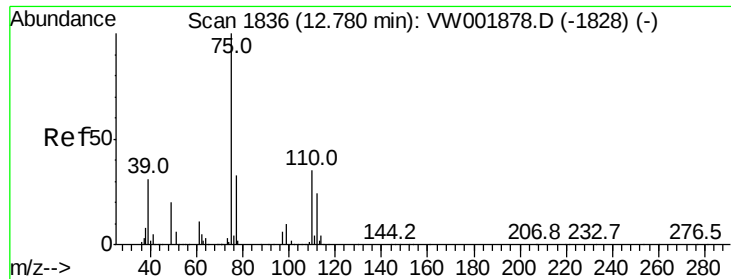


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.58 ug/L

RT: 12.78 min Scan# 1836

Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

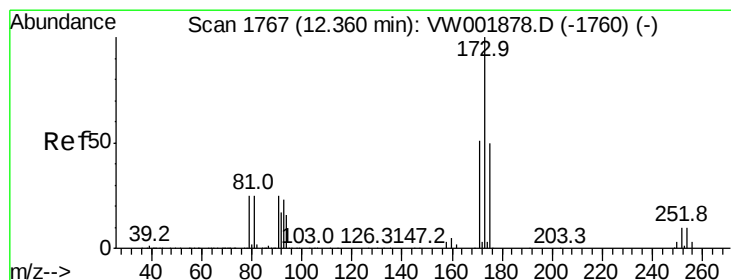
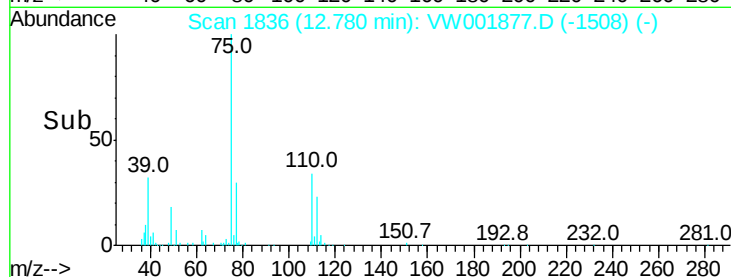
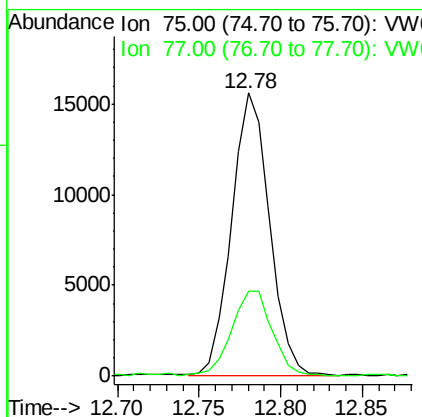
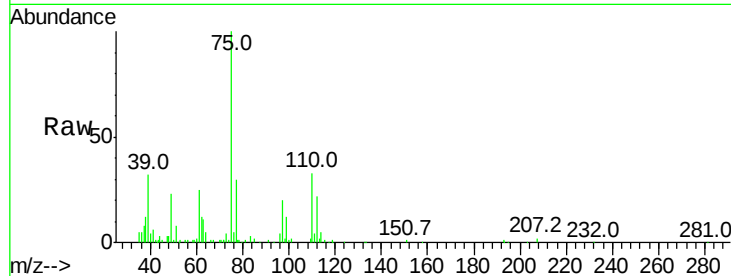
VSTD00582

Tgt Ion: 75 Resp: 25361

Ion Ratio Lower Upper

75 100

77 32.3 26.5 39.7



#62

Bromoform

Concen: 5.33 ug/L

RT: 12.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

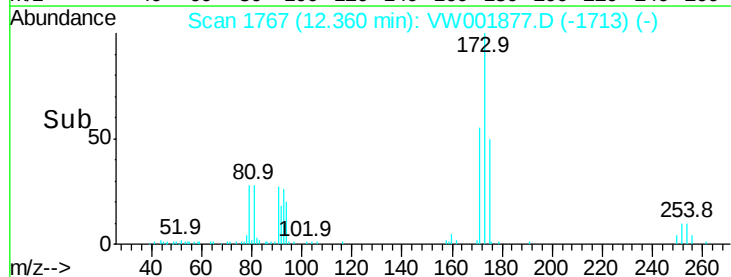
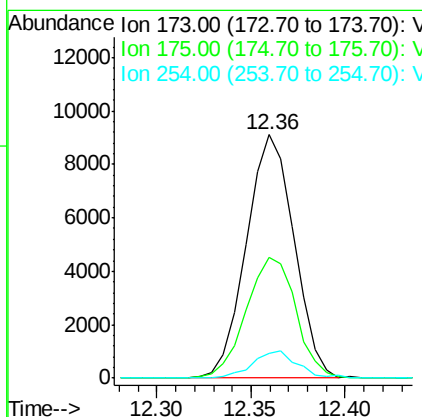
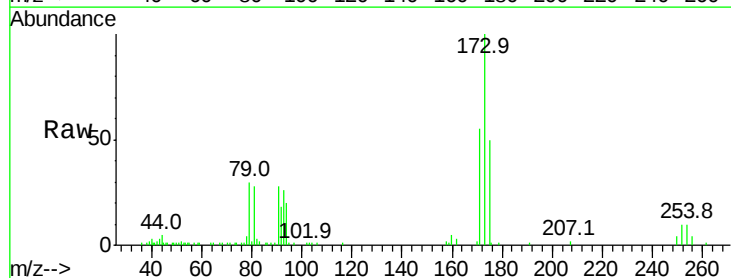
Tgt Ion: 173 Resp: 16008

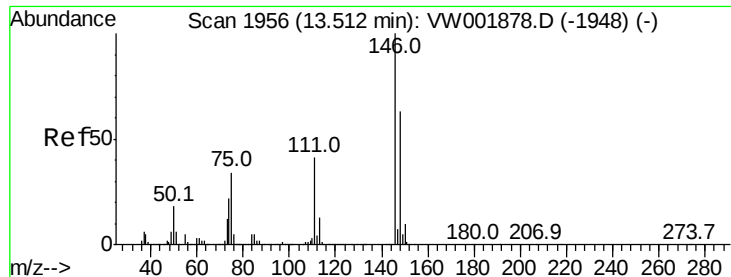
Ion Ratio Lower Upper

173 100

175 51.5 39.6 59.4

254 10.2 8.1 12.1





#63

1,3-Dichlorobenzene

Concen: 4.84 ug/L

RT: 13.51 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

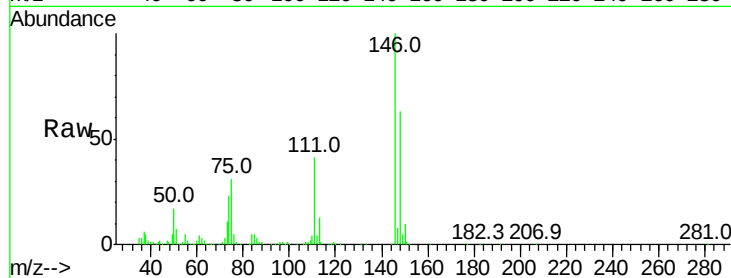
Tgt Ion:146 Resp: 50343

Ion Ratio Lower Upper

146 100

111 40.7 28.8 53.4

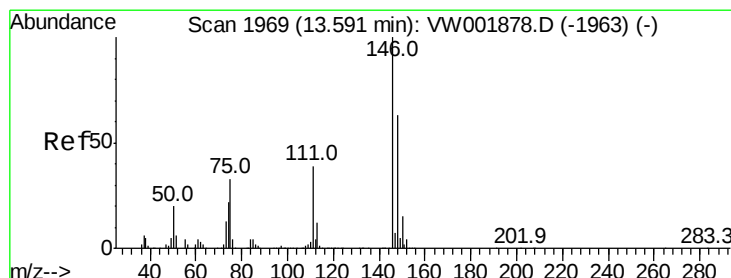
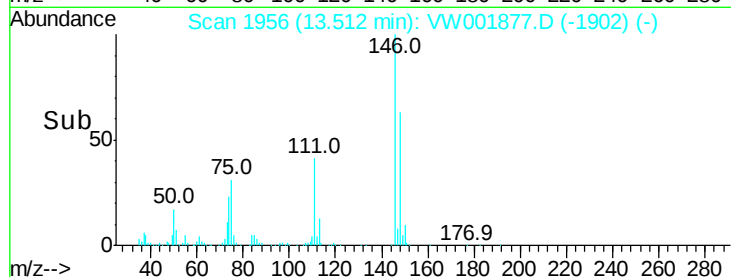
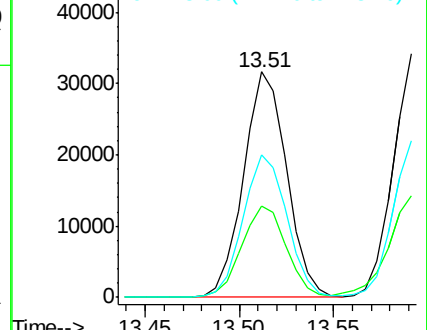
148 63.2 44.4 82.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 5.02 ug/L

RT: 13.60 min Scan# 1970

Delta R.T. 0.01 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

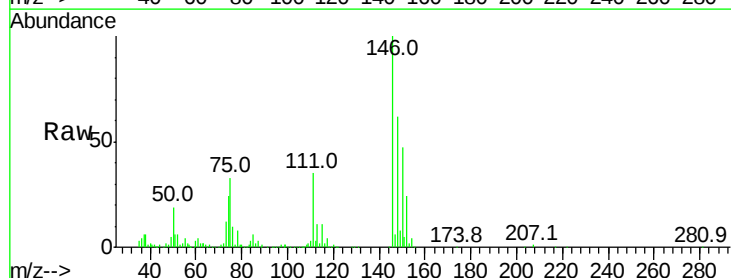
Tgt Ion:146 Resp: 57206

Ion Ratio Lower Upper

146 100

111 35.2 27.6 51.2

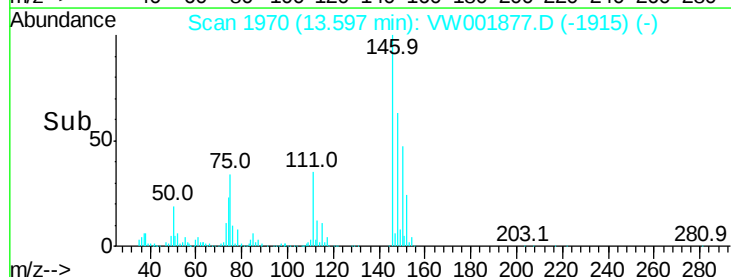
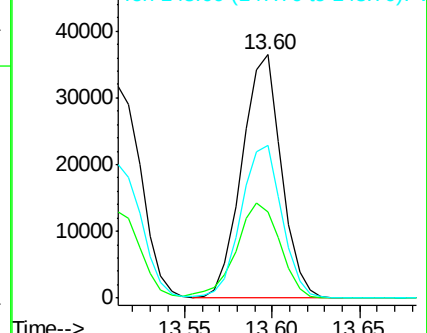
148 62.5 44.3 82.3

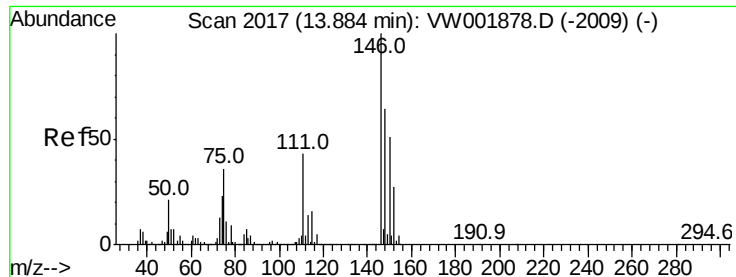


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.07 ug/L

RT: 13.88 min Scan# 2017

Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

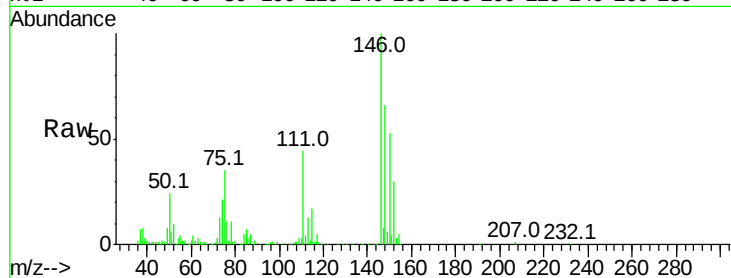
Tgt Ion:146 Resp: 52350

Ion Ratio Lower Upper

146 100

111 43.8 34.4 51.6

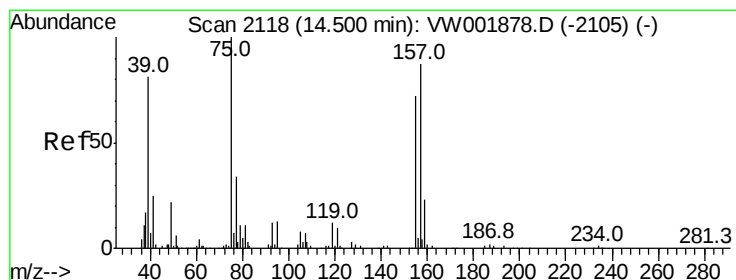
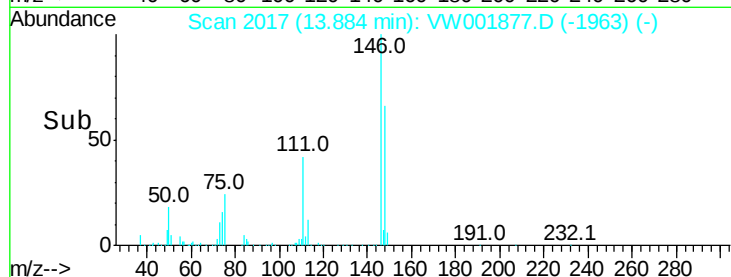
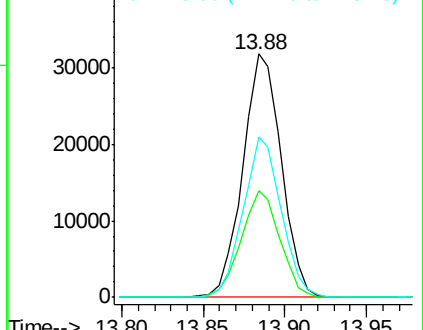
148 66.1 51.2 76.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.95 ug/L

RT: 14.51 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

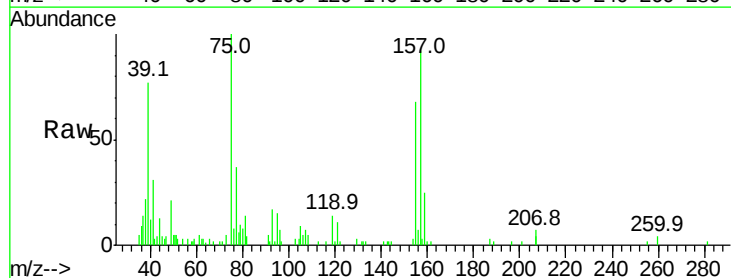
Tgt Ion: 75 Resp: 6119

Ion Ratio Lower Upper

75 100

157 91.8 69.5 104.3

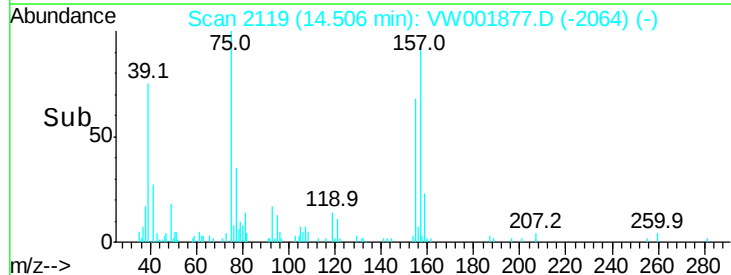
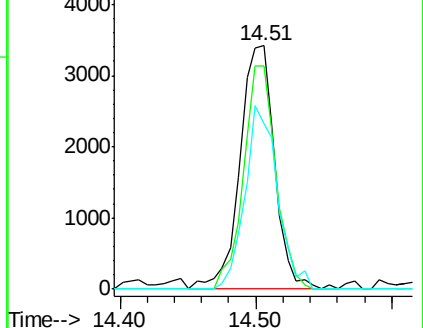
155 67.9 57.4 86.0

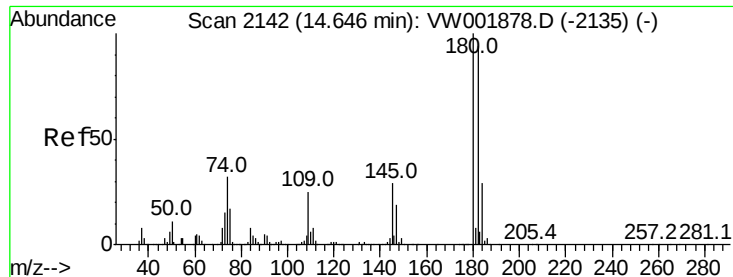


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

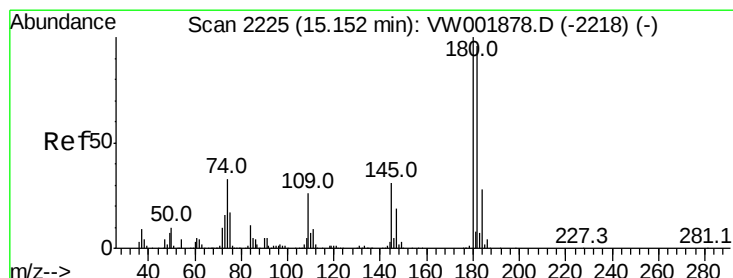
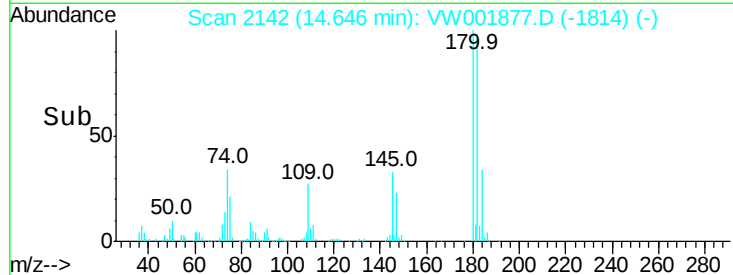
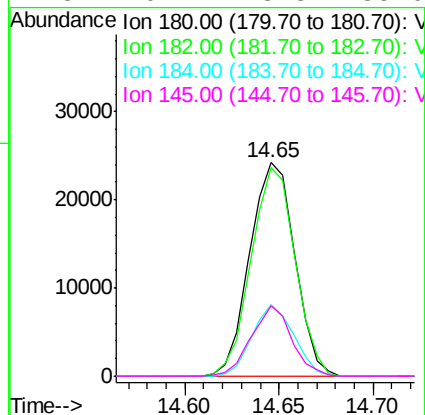
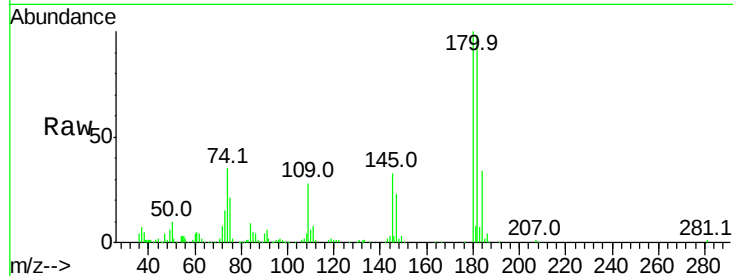




#67
 1,3,5-Trichlorobenzene
 Concen: 4.96 ug/L
 RT: 14.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VW001877.D
 Acq: 05 Apr 2018 13:32

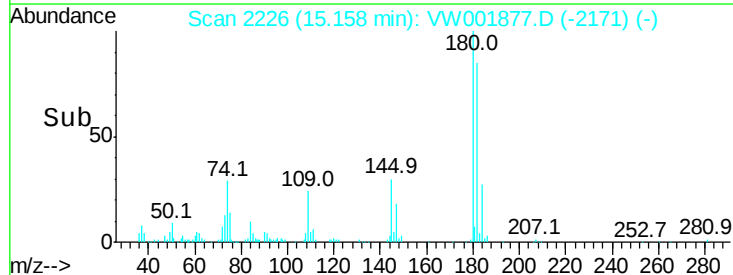
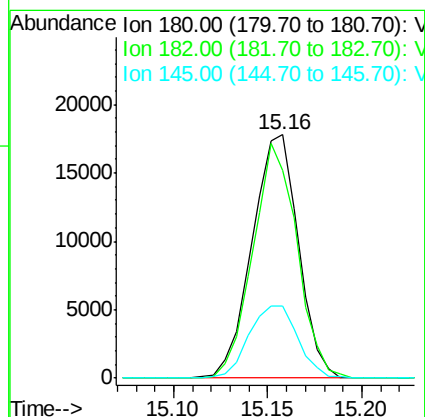
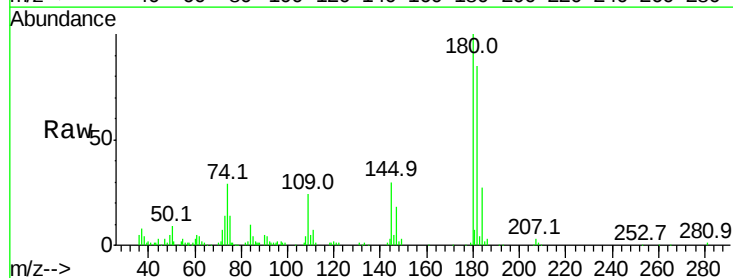
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00582

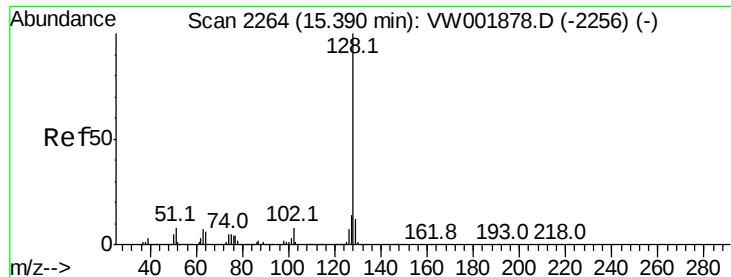
Tgt Ion:	180	Resp:	40145
Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.9	113.9
184	31.2	24.1	36.1
145	29.7	23.8	35.6



#68
 1,2,4-trichlorobenzene
 Concen: 4.81 ug/L
 RT: 15.16 min Scan# 2226
 Delta R.T. 0.01 min
 Lab File: VW001877.D
 Acq: 05 Apr 2018 13:32

Tgt Ion:	180	Resp:	30358
Ion	Ratio	Lower	Upper
180	100		
182	92.0	77.1	115.7
145	31.5	24.6	36.8





#69

Naphthalene

Concen: 4.49 ug/L

RT: 15.39 min Scan# 2264

Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

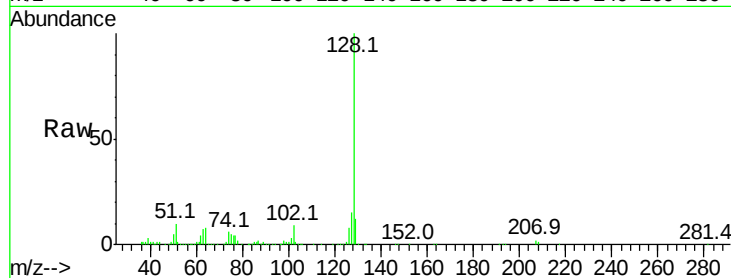
Tgt Ion:128 Resp: 55635

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

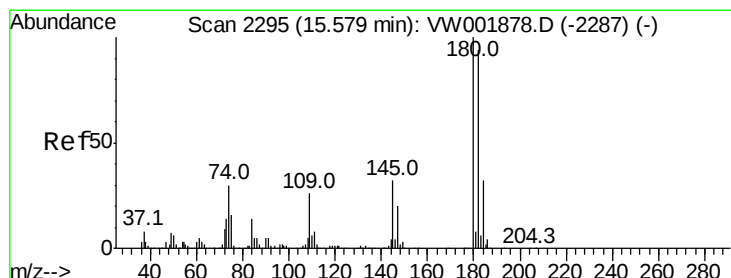
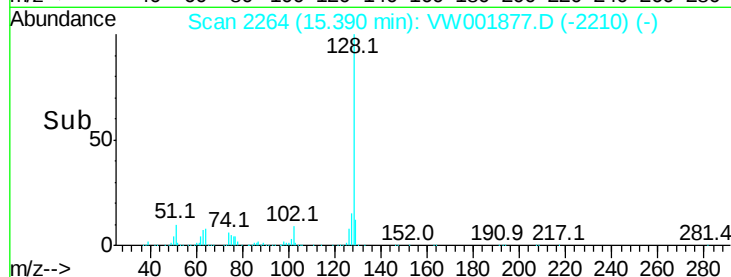
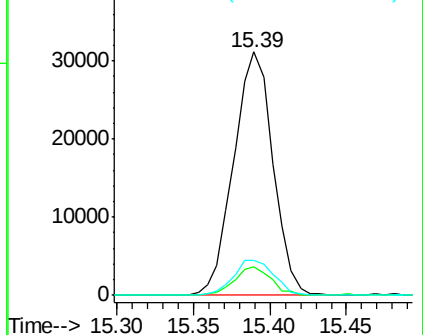
127 15.0 11.0 16.4



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: 4.90 ug/L

RT: 15.58 min Scan# 2295

Delta R.T. -0.00 min

Lab File: VW001877.D

Acq: 05 Apr 2018 13:32

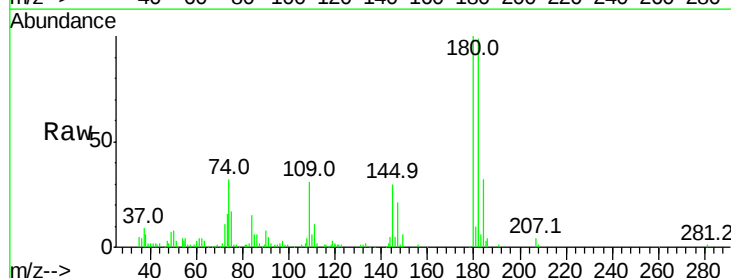
Tgt Ion:180 Resp: 29695

Ion Ratio Lower Upper

180 100

182 92.9 75.8 113.8

145 31.8 25.9 38.9



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

