

Data File : VW005353.D
Acq On : 13 Sep 2018 15:40
Operator : SY/AP
Sample : VSTD00582
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

Quant Time: Sep 13 16:39:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 13 16:38:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	240779	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	244684	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	131494	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	16017	4.25	ug/L	0.00
7) Chloroethane-d5	2.87	69	10487	3.75	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	25320	4.86	ug/L	0.00
20) 2-Butanone-d5	7.09	46	9651	9.56	ug/L	0.00
24) Chloroform-d	7.65	84	22338	4.22	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	14616	4.97	ug/L	0.00
29) Benzene-d6	8.28	84	44666	3.63	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	12354	3.44	ug/L	0.00
37) Toluene-d8	10.33	98	43852	3.56	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	6096	3.85	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	7325	8.26	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	13592	3.84	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	17490	3.46	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	24540	6.982 ug/L	99
3) Chloromethane	2.21	50	24658	6.370 ug/L	98
5) Vinyl chloride	2.36	62	23312	5.970 ug/L	100
6) Bromomethane	2.76	94	12063	5.556 ug/L	98
8) Chloroethane	2.91	64	12536	5.083 ug/L	94
9) Trichlorofluoromethane	3.26	101	30462	7.237 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	16368	5.701 ug/L	96
12) 1,1-Dichloroethene	4.04	96	13508	5.536 ug/L	93
13) Acetone	4.13	43	11825	16.192 ug/L	99
14) Carbon disulfide	4.38	76	50907	5.900 ug/L	98
15) Methyl Acetate	4.68	43	12828	7.723 ug/L	96
16) Methylene chloride	4.92	84	24815	5.981 ug/L	94
17) Methyl tert-butyl Ether	5.44	73	35937	5.911 ug/L	97
18) trans-1,2-Dichloroethene	5.43	96	15961	5.805 ug/L	95
19) 1,1-Dichloroethane	6.22	63	28857	6.218 ug/L	96
21) 2-Butanone	7.18	43	16480	15.581 ug/L	99
22) cis-1,2-Dichloroethene	7.18	96	16216	5.572 ug/L	92
23) Bromochloromethane	7.52	128	7960	5.650 ug/L	82
25) Chloroform	7.68	83	29916	6.137 ug/L	99
27) 1,2-Dichloroethane	8.40	62	24112	7.506 ug/L	100
30) Cyclohexane	7.96	56	24630	5.639 ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	28262	6.539 ug/L	98
32) Carbon tetrachloride	8.07	117	25962	6.632 ug/L	99
34) Benzene	8.33	78	67437	5.535 ug/L	100
35) Trichloroethene	9.09	95	18004	5.792 ug/L	98
36) Methylcyclohexane	9.34	83	28843	5.500 ug/L	99
40) 1,2-Dichloropropane	9.37	63	17418	5.844 ug/L	99
41) Bromodichloromethane	9.65	83	22777	6.349 ug/L	91
42) cis-1,3-Dichloropropene	10.08	75	24108	5.516 ug/L	92
43) 4-Methyl-2-pentanone	10.21	43	32457	14.653 ug/L	99

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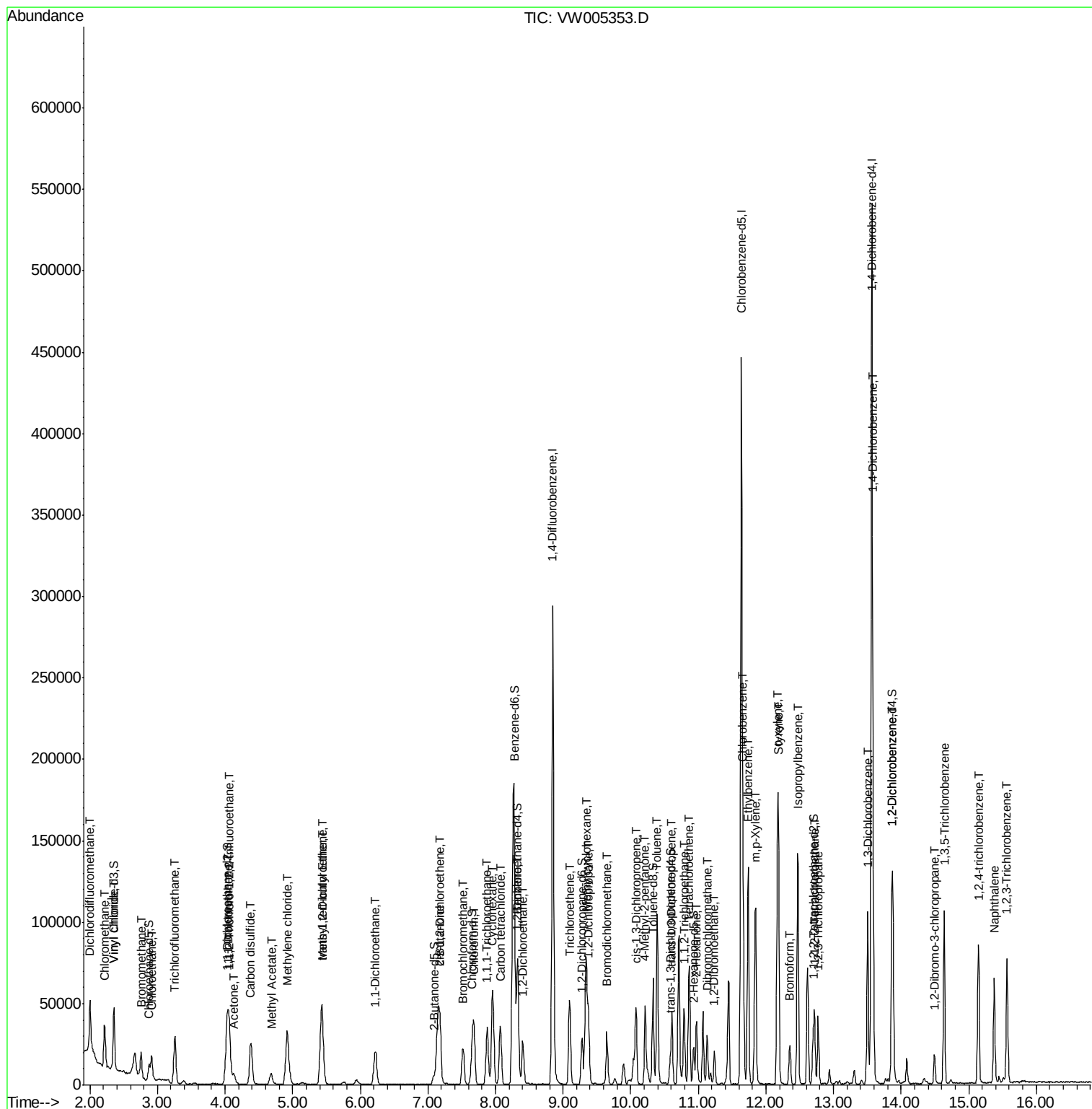
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.40	91	77674	5.596	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	22709	5.887	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	13844	5.558	ug/L	97
47) Tetrachloroethene	10.87	164	16849	5.740	ug/L	99
49) 2-Hexanone	10.98	43	23992	14.960	ug/L	95
50) Dibromochloromethane	11.13	129	15998	5.769	ug/L	95
51) 1,2-Dibromoethane	11.24	107	13625	5.780	ug/L	91
52) Chlorobenzene	11.66	112	53508	5.626	ug/L	99
53) Ethylbenzene	11.74	91	89936	5.753	ug/L	98
54) m,p-Xylene	11.85	106	34536	5.574	ug/L	98
55) o-xylene	12.18	106	31867	5.536	ug/L	91
56) Styrene	12.19	104	53881	5.430	ug/L	99
57) Isopropylbenzene	12.47	105	86887	5.688	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	18983	5.739	ug/L	92
59) 1,2,3-Trichloropropane	12.77	75	16604	6.422	ug/L	98
62) Bromoform	12.35	173	11117	5.880	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	42436	5.506	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	44748	5.474	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	41106	5.470	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	4661	7.656	ug/L #	86
67) 1,3,5-Trichlorobenzene	14.64	180	33236	5.311	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	27128	5.369	ug/L	99
69) Naphthalene	15.38	128	54641	5.366	ug/L	98
70) 1,2,3-Trichlorobenzene	15.57	180	25409	5.348	ug/L	99

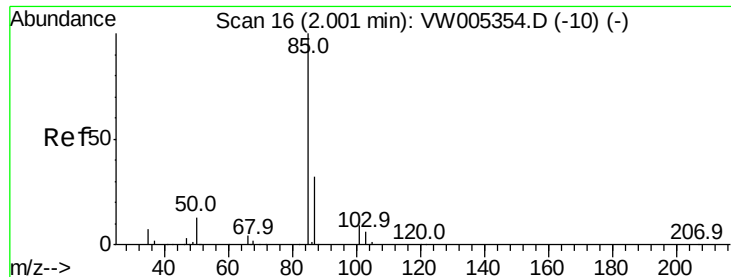
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 6.982 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_W

ClientSampleId :

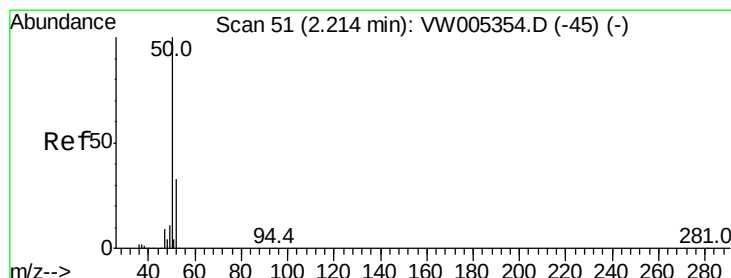
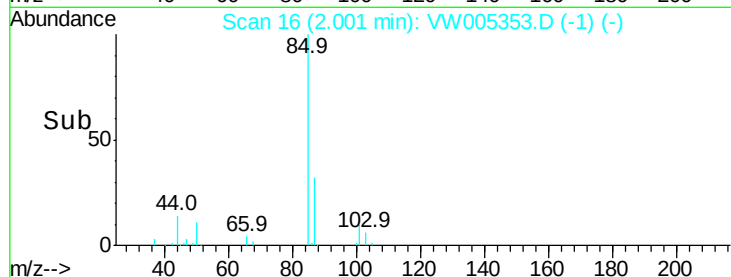
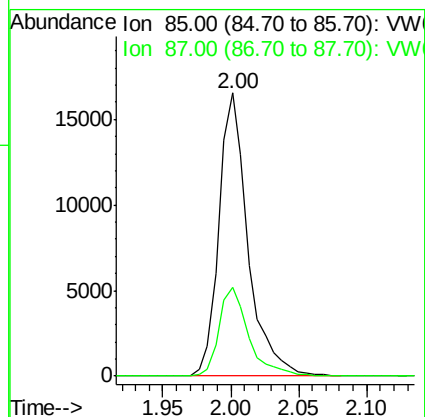
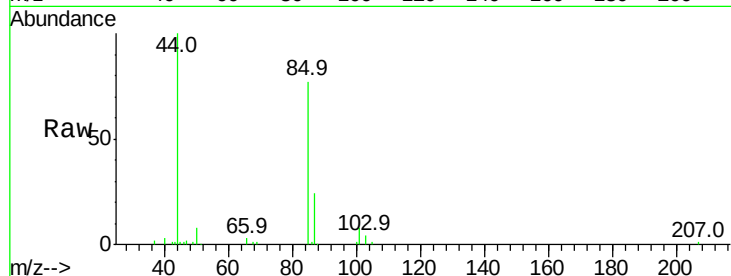
VSTD00582

Tgt Ion: 85 Resp: 24540

Ion Ratio Lower Upper

85 100

87 31.8 22.7 42.3



#3

Chloromethane

Concen: 6.370 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005353.D

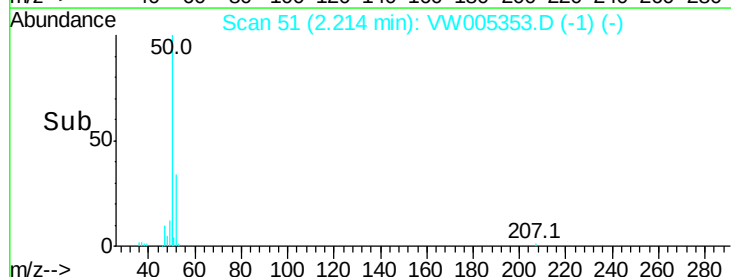
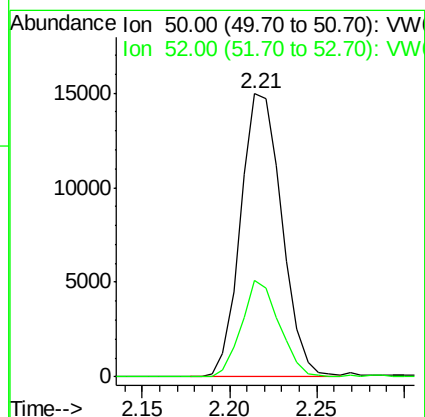
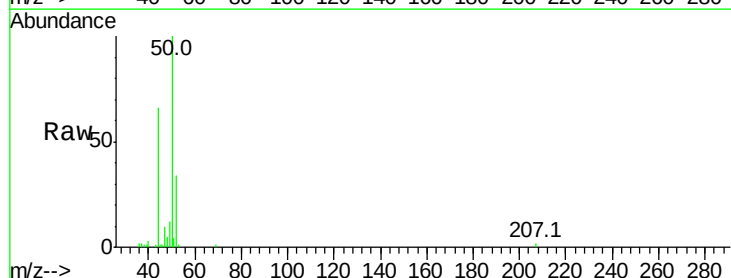
Acq: 13 Sep 2018 15:40

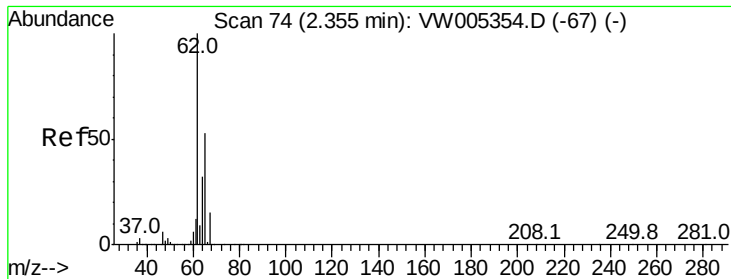
Tgt Ion: 50 Resp: 24658

Ion Ratio Lower Upper

50 100

52 34.1 22.9 42.5





#5

Vinyl chloride

Concen: 5.970 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_W

ClientSampleId :

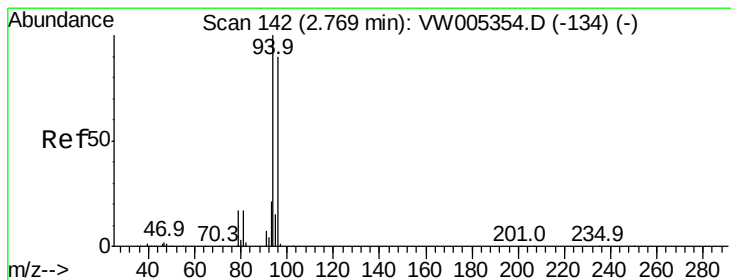
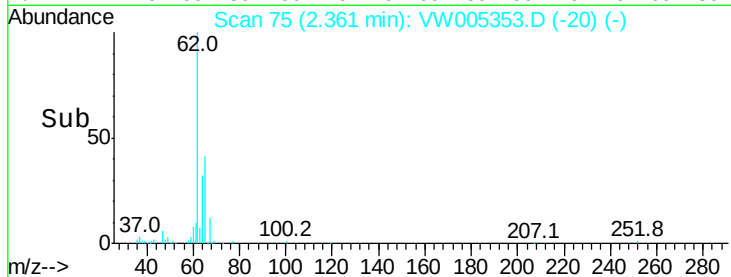
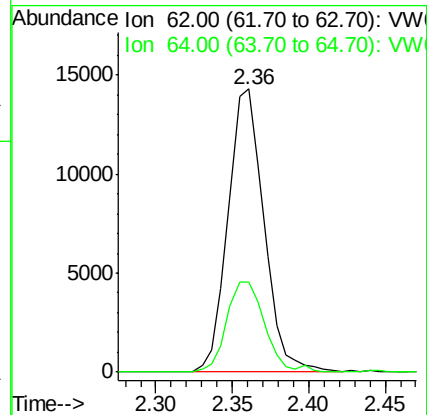
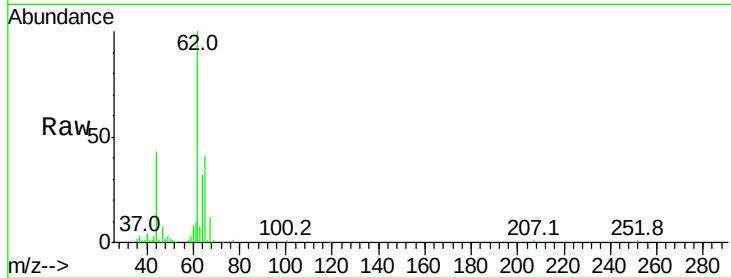
VSTD00582

Tgt Ion: 62 Resp: 23312

Ion Ratio Lower Upper

62 100

64 32.1 22.4 41.6



#6

Bromomethane

Concen: 5.556 ug/L

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW005353.D

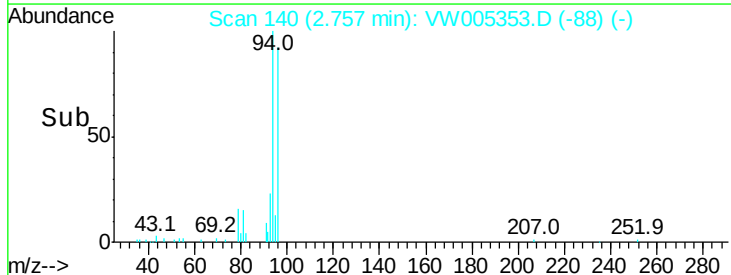
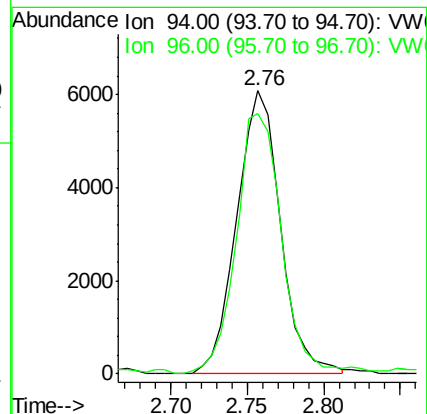
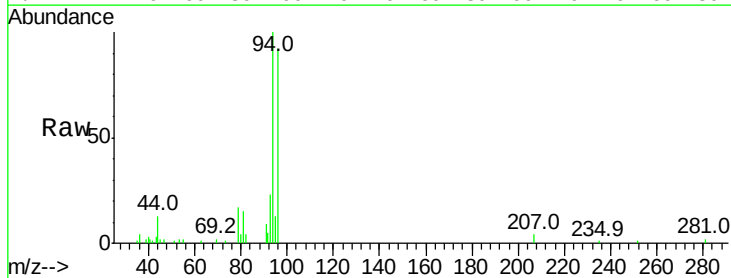
Acq: 13 Sep 2018 15:40

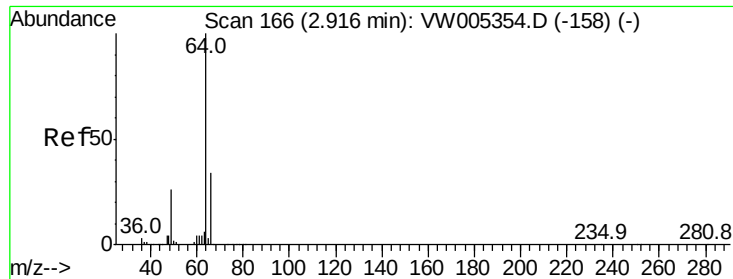
Tgt Ion: 94 Resp: 12063

Ion Ratio Lower Upper

94 100

96 95.2 9.3 176.3





#8

Chloroethane

Concen: 5.083 ug/L

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_W

ClientSampleId :

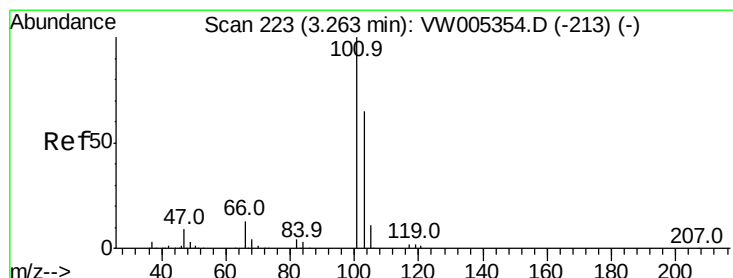
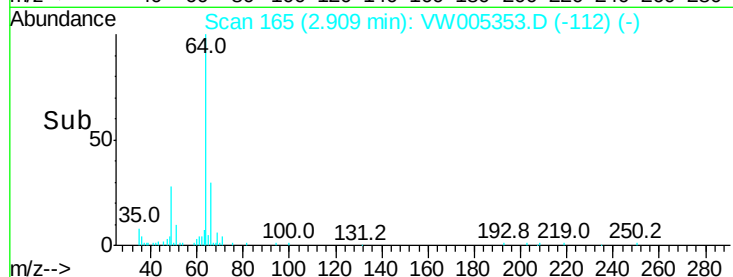
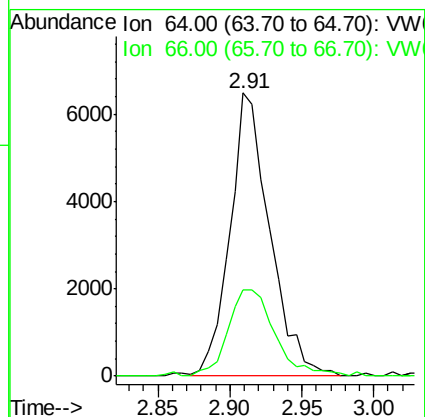
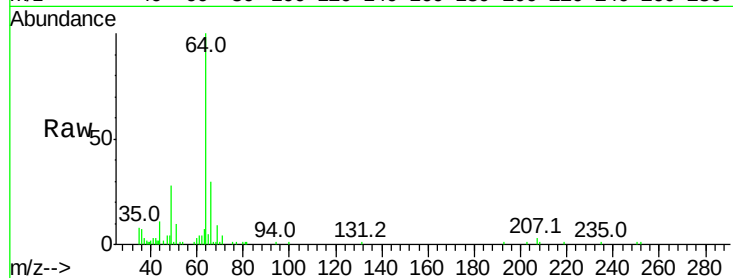
VSTD00582

Tgt Ion: 64 Resp: 12536

Ion Ratio Lower Upper

64 100

66 30.4 23.7 43.9



#9

Trichlorofluoromethane

Concen: 7.237 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW005353.D

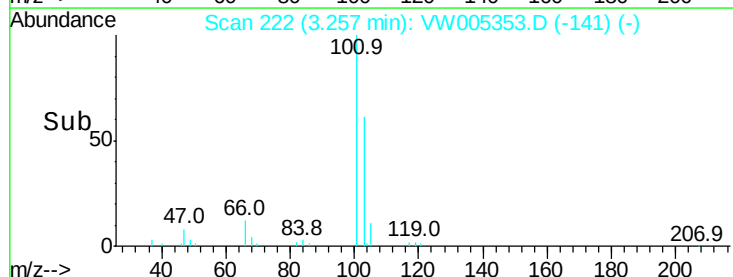
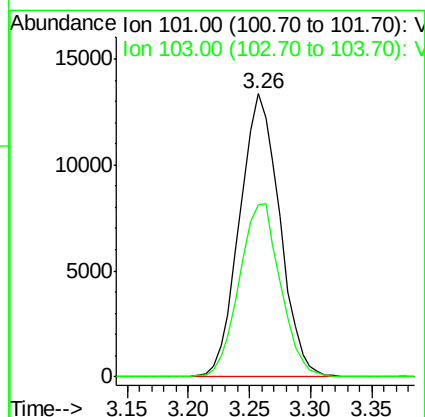
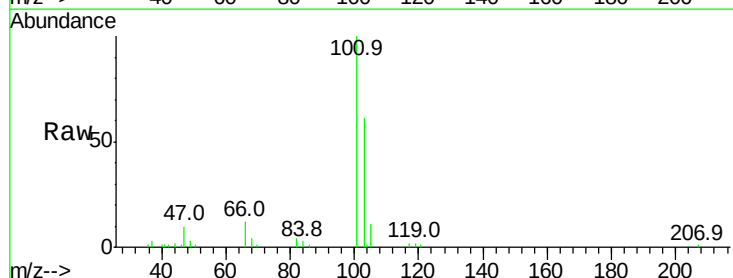
Acq: 13 Sep 2018 15:40

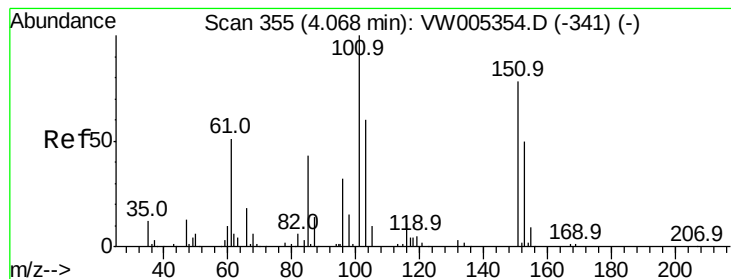
Tgt Ion: 101 Resp: 30462

Ion Ratio Lower Upper

101 100

103 62.9 44.9 83.5





#11

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

Concen: 5.701 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

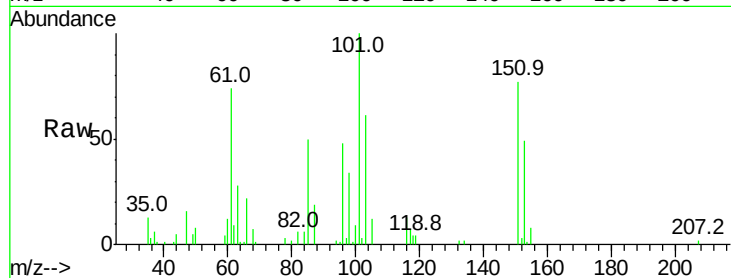
Tgt Ion: 101 Resp: 16368

Ion Ratio Lower Upper

101 100

85 46.0 35.8 53.8

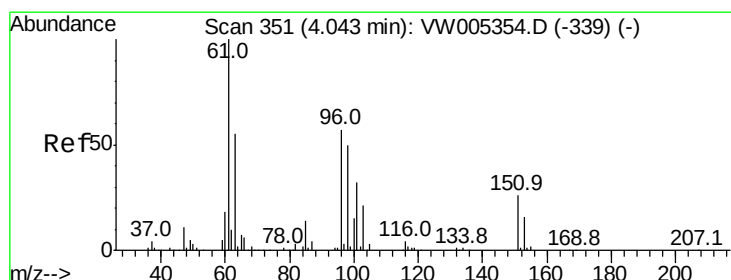
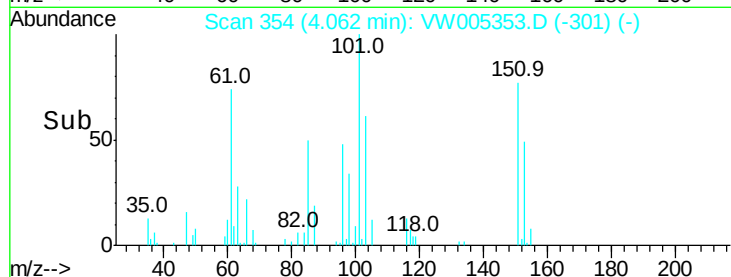
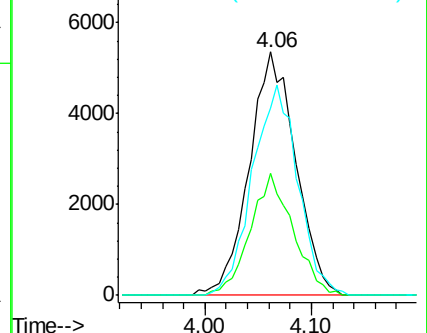
151 84.3 63.9 95.9



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: 5.536 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

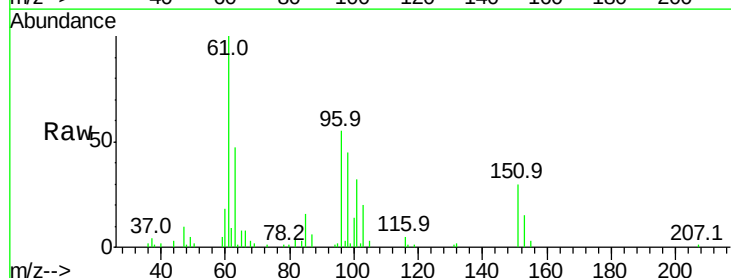
Tgt Ion: 96 Resp: 13508

Ion Ratio Lower Upper

96 100

61 180.7 123.3 229.1

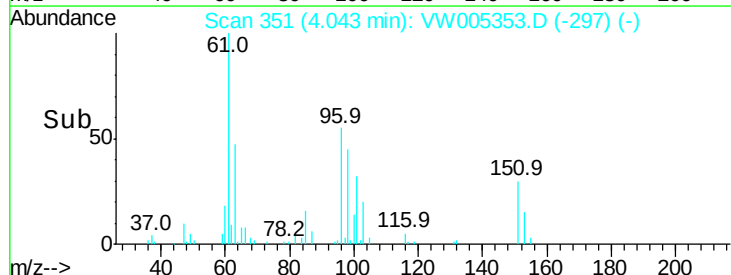
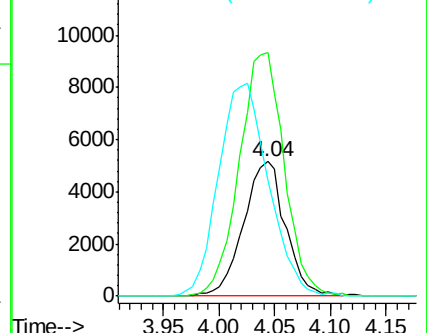
63 85.8 69.4 128.8

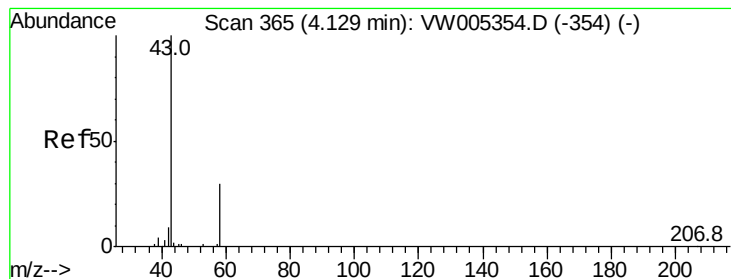


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 16.192 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

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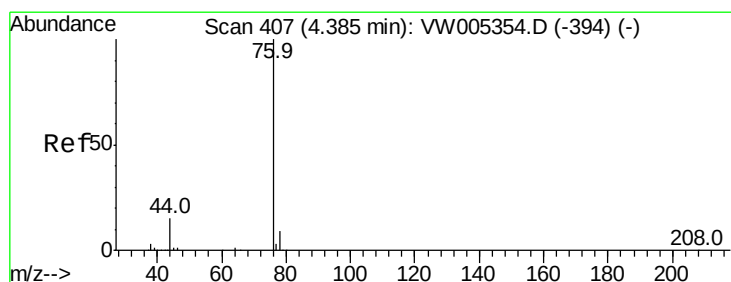
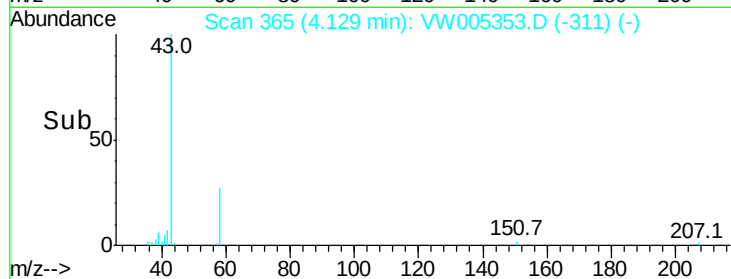
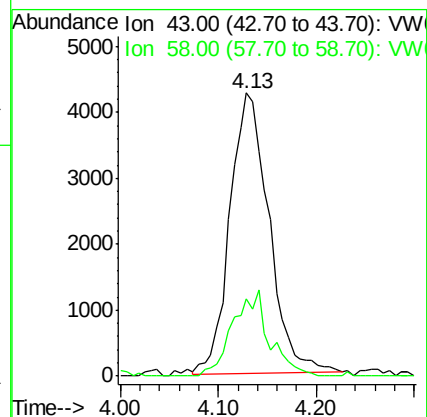
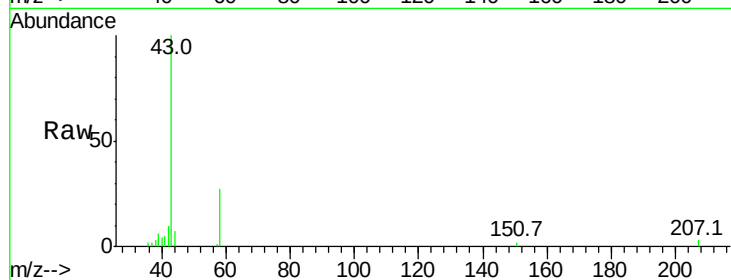
VSTD00582

Tgt Ion: 43 Resp: 11825

Ion Ratio Lower Upper

43 100

58 28.5 0.0 57.6



#14

Carbon disulfide

Concen: 5.900 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW005353.D

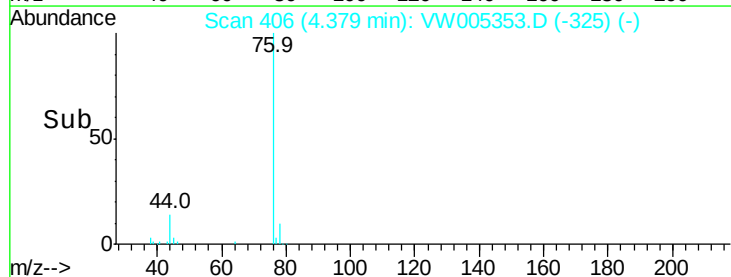
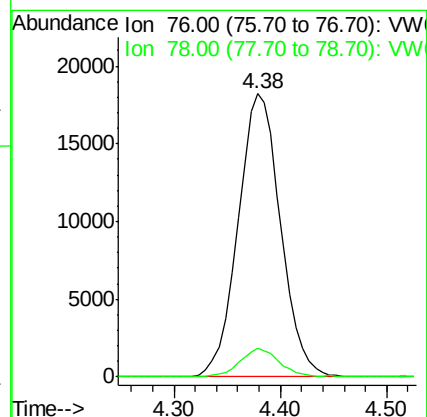
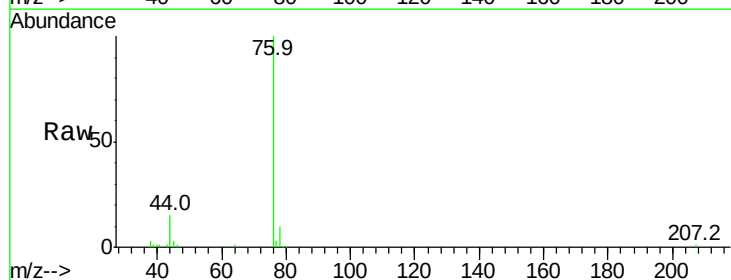
Acq: 13 Sep 2018 15:40

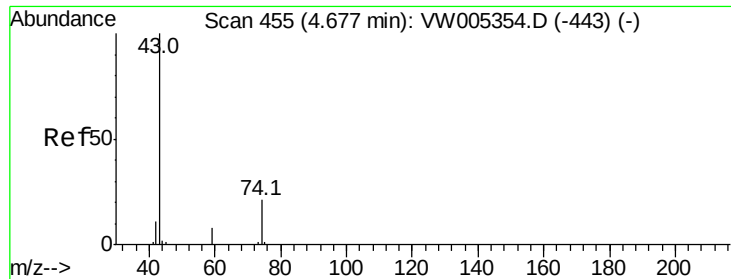
Tgt Ion: 76 Resp: 50907

Ion Ratio Lower Upper

76 100

78 10.1 7.4 11.2

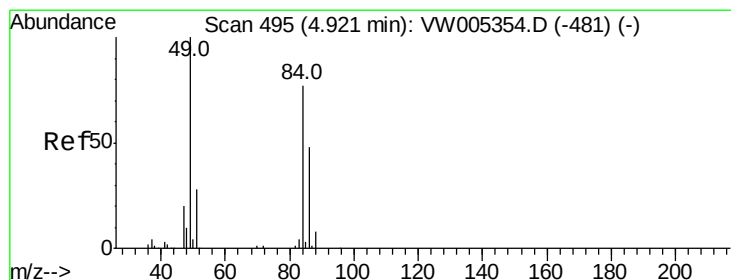
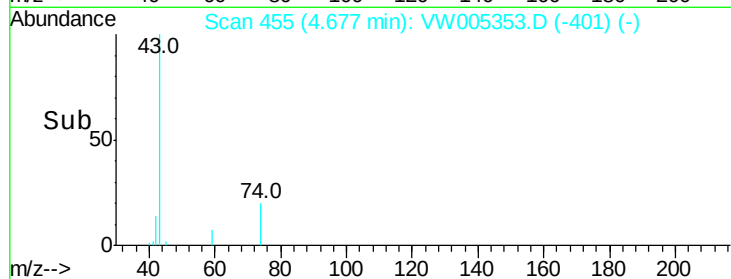
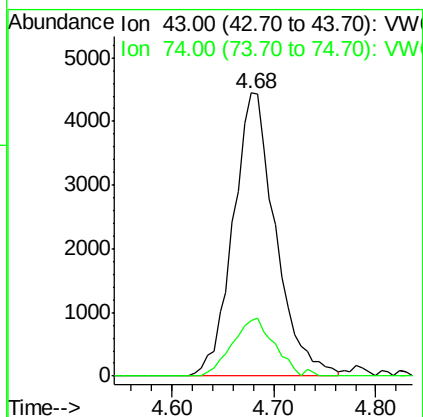
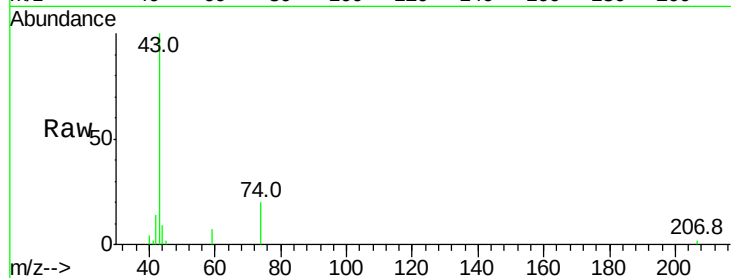




#15
Methyl Acetate
Concen: 7.723 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW005353.D
Acq: 13 Sep 2018 15:40

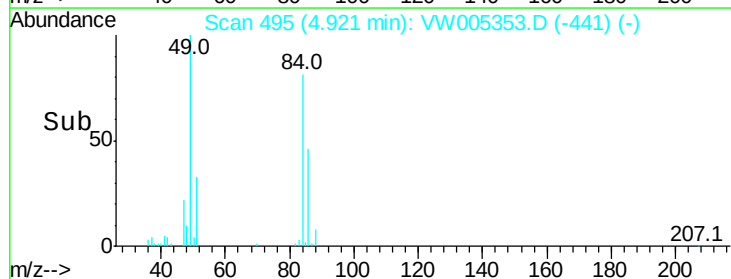
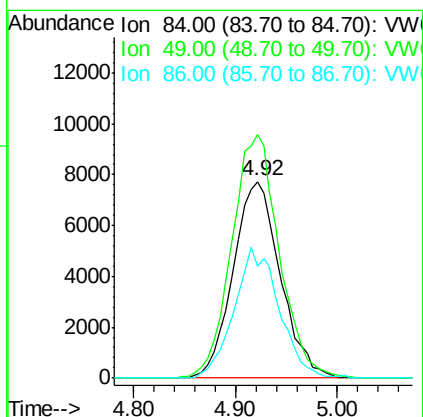
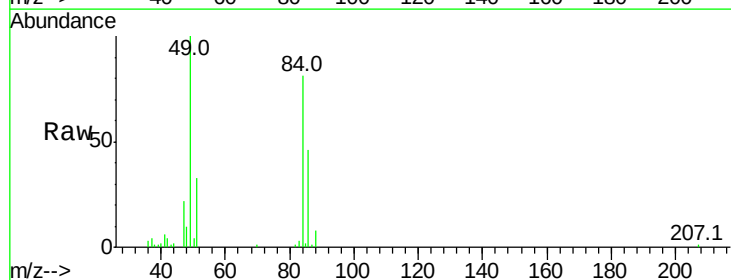
Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

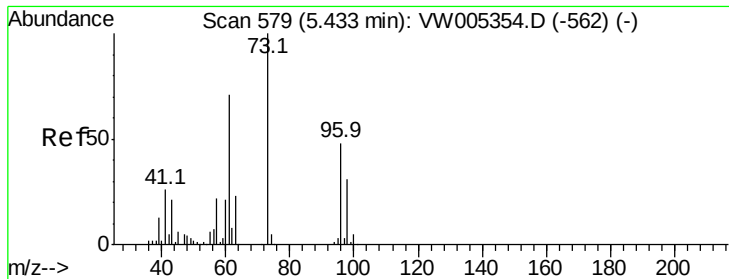
Tgt Ion: 43 Resp: 12828
Ion Ratio Lower Upper
43 100
74 20.0 17.5 26.3



#16
Methylene chloride
Concen: 5.981 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW005353.D
Acq: 13 Sep 2018 15:40

Tgt Ion: 84 Resp: 24815
Ion Ratio Lower Upper
84 100
49 123.9 90.9 168.7
86 57.1 43.6 81.0





#17

Methyl tert-butyl Ether

Concen: 5.911 ug/L

RT: 5.44 min Scan# 580

Delta R.T. 0.01 min

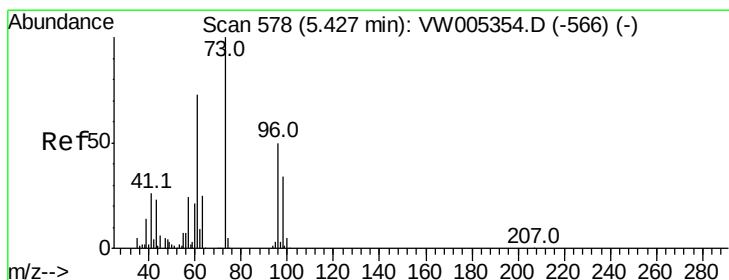
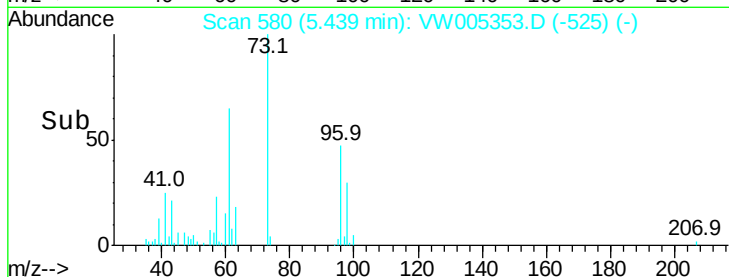
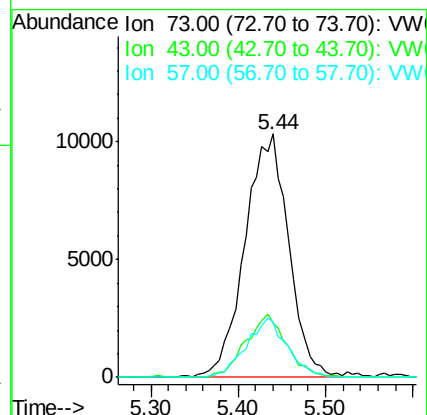
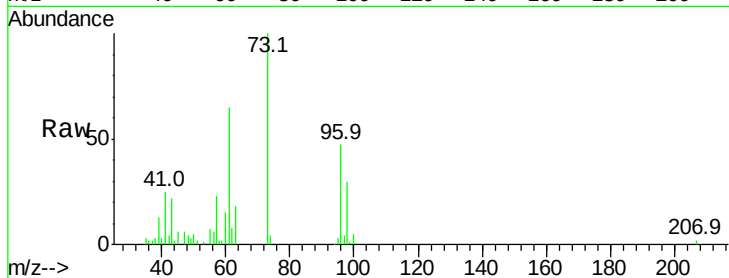
Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

Tgt Ion: 73 Resp: 35937

Ion	Ratio	Lower	Upper
73	100		
43	24.1	17.7	26.5
57	22.7	17.8	26.6



#18

trans-1,2-Dichloroethene

Concen: 5.805 ug/L

RT: 5.43 min Scan# 578

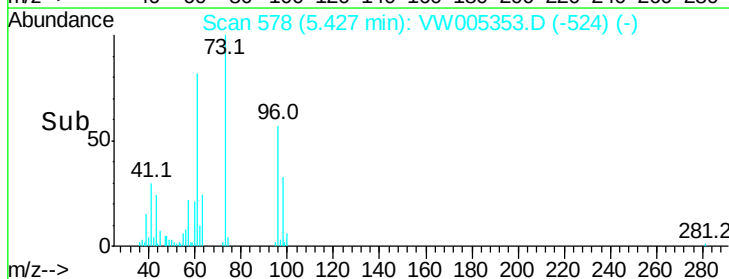
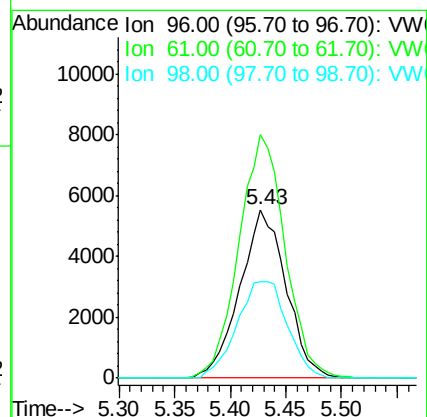
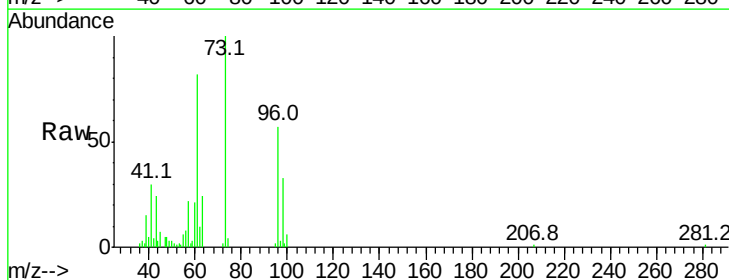
Delta R.T. -0.00 min

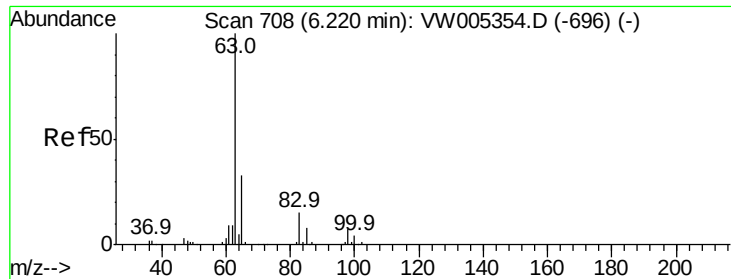
Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

Tgt Ion: 96 Resp: 15961

Ion	Ratio	Lower	Upper
96	100		
61	144.5	103.0	191.2
98	57.5	47.2	87.6





#19

1,1-Dichloroethane

Concen: 6.218 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

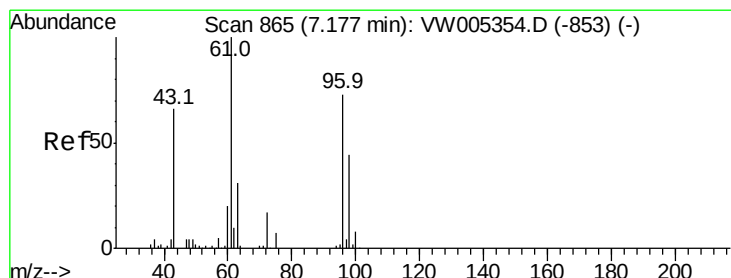
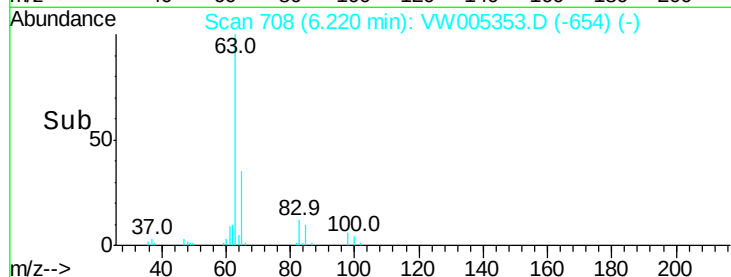
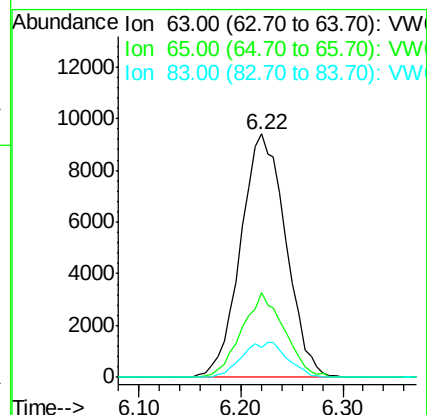
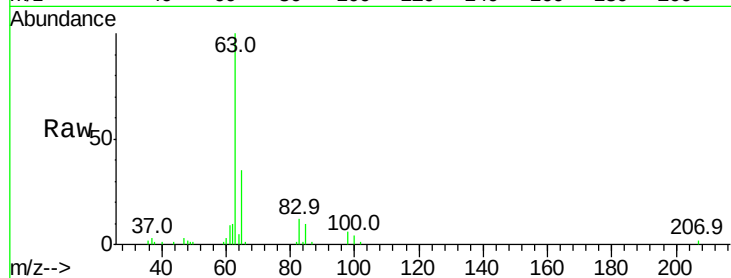
Tgt Ion: 63 Resp: 28857

Ion Ratio Lower Upper

63 100

65 34.9 22.9 42.5

83 12.5 10.4 19.2



#21

2-Butanone

Concen: 15.581 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005353.D

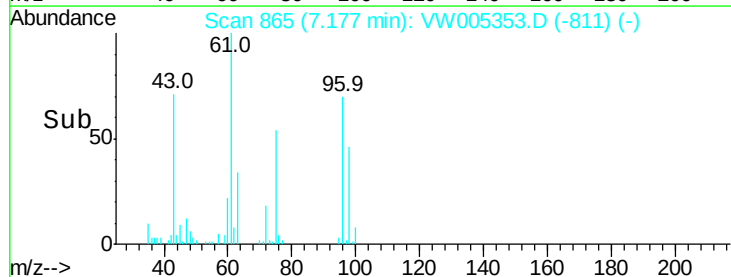
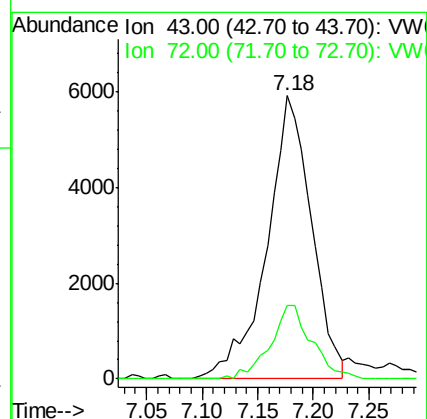
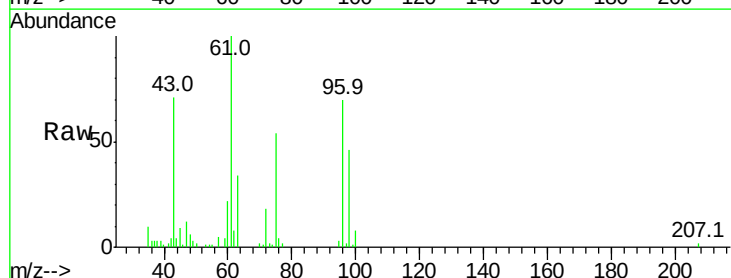
Acq: 13 Sep 2018 15:40

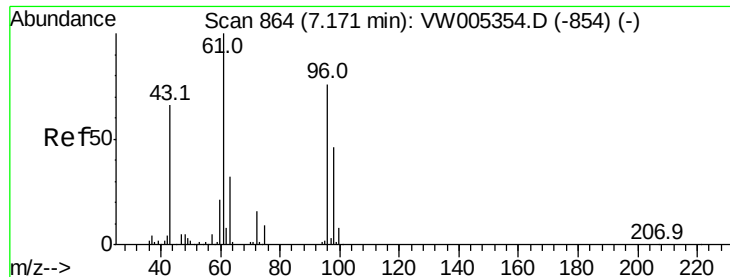
Tgt Ion: 43 Resp: 16480

Ion Ratio Lower Upper

43 100

72 24.0 11.8 35.4



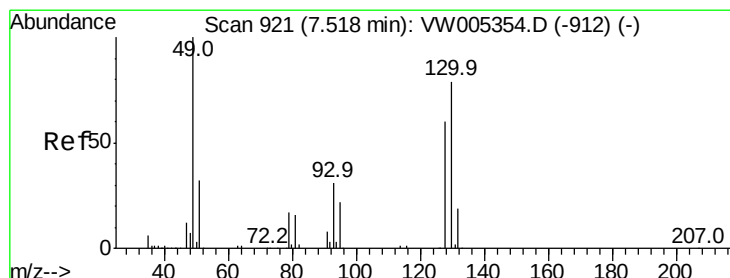
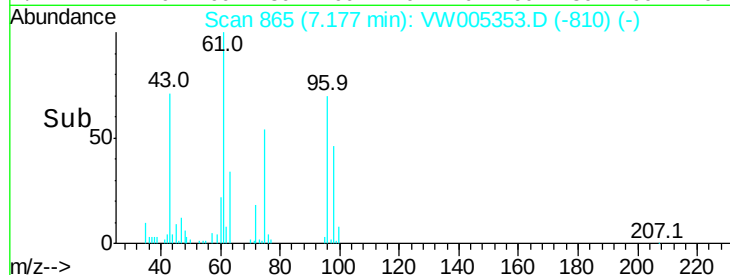
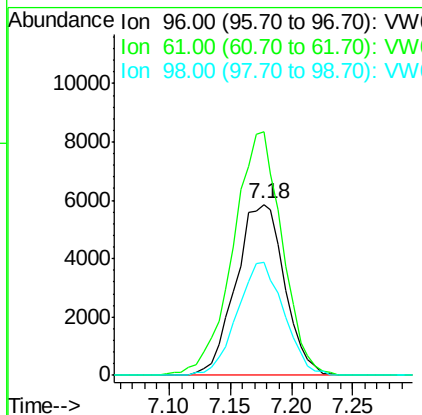
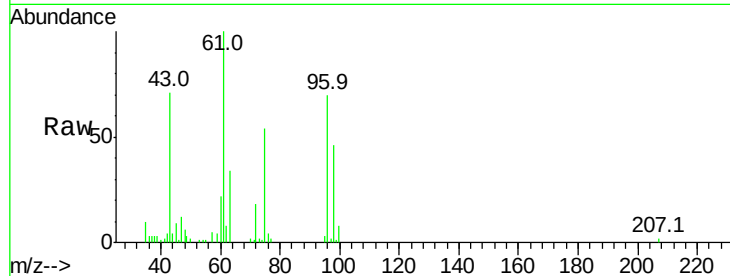


#22

cis-1,2-Dichloroethene
Concen: 5.572 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW005353.D
Acq: 13 Sep 2018 15:40

Instrument :
MSVOA_W
ClientSampled :
VSTD00582

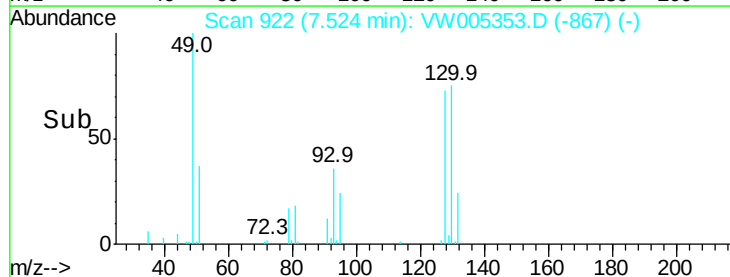
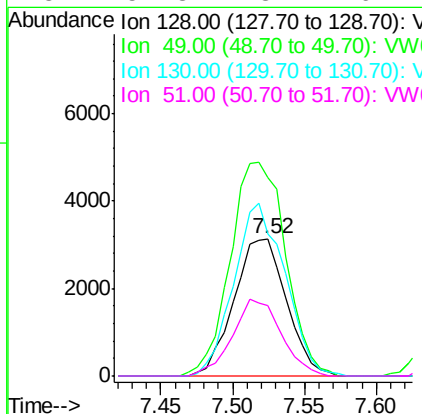
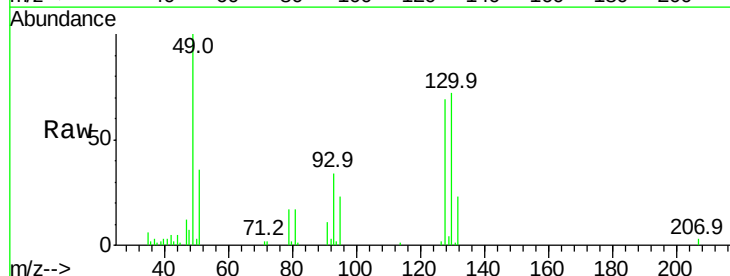
Tgt Ion: 96 Resp: 16216
Ion Ratio Lower Upper
96 100
61 142.2 93.1 172.9
98 65.9 42.4 78.6

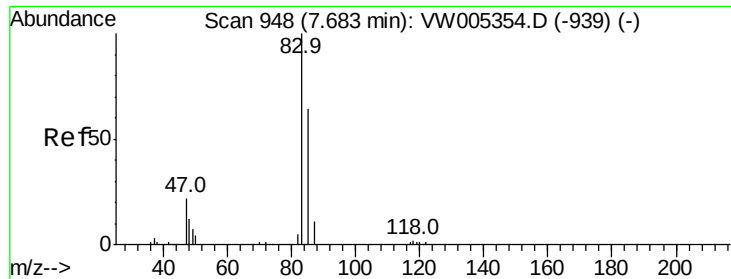


#23

Bromochloromethane
Concen: 5.650 ug/L
RT: 7.52 min Scan# 922
Delta R.T. 0.01 min
Lab File: VW005353.D
Acq: 13 Sep 2018 15:40

Tgt Ion: 128 Resp: 7960
Ion Ratio Lower Upper
128 100
49 144.3 118.2 219.6
130 103.6 92.8 172.4
51 51.3 43.1 64.7

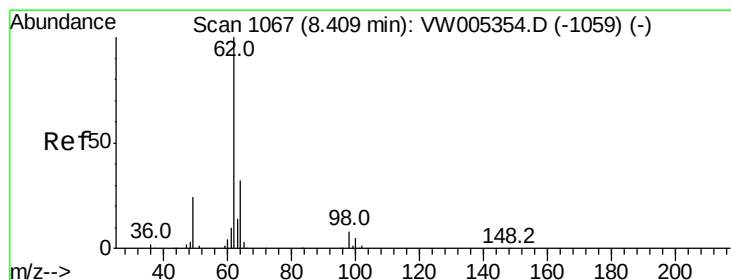
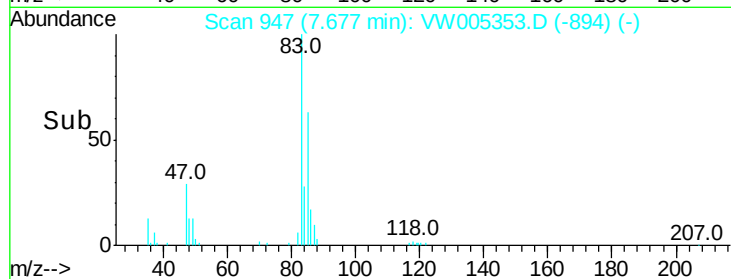
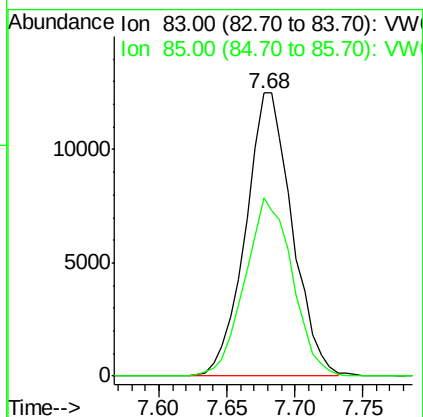
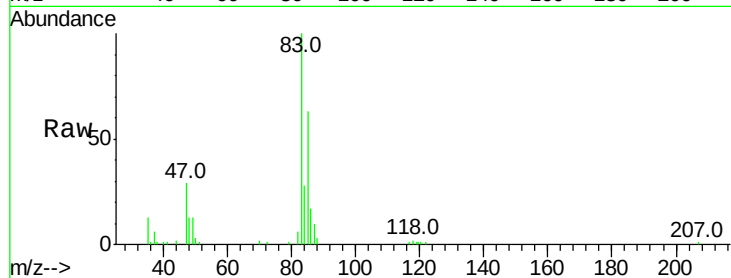




#25
Chloroform
Concen: 6.137 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW005353.D
Acq: 13 Sep 2018 15:40

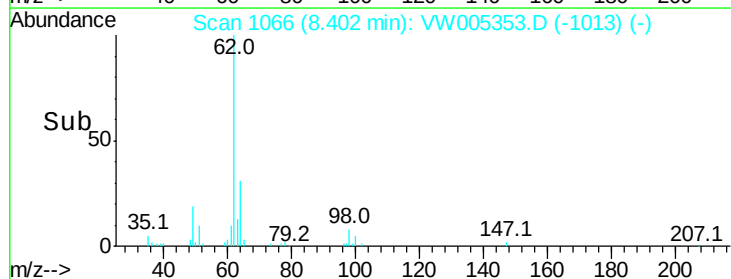
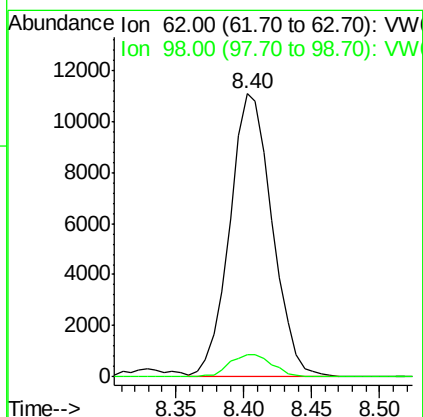
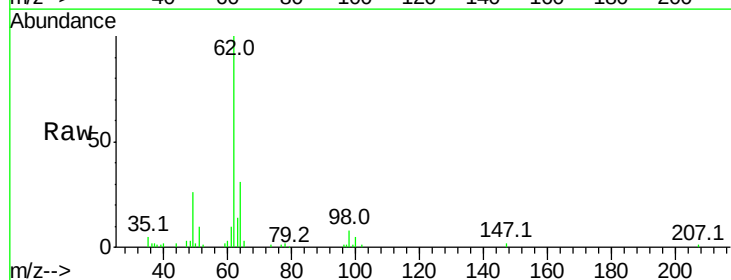
Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

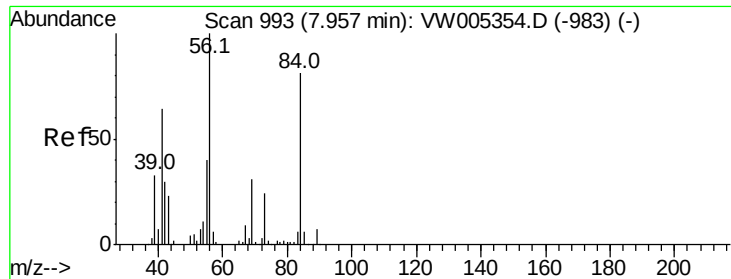
Tgt Ion: 83 Resp: 29916
Ion Ratio Lower Upper
83 100
85 64.2 45.6 84.8



#27
1,2-Dichloroethane
Concen: 7.506 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VW005353.D
Acq: 13 Sep 2018 15:40

Tgt Ion: 62 Resp: 24112
Ion Ratio Lower Upper
62 100
98 7.6 6.0 9.0

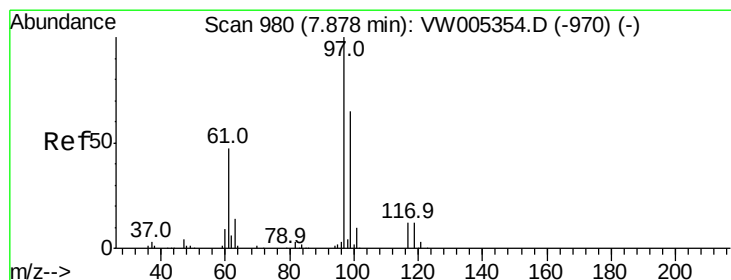
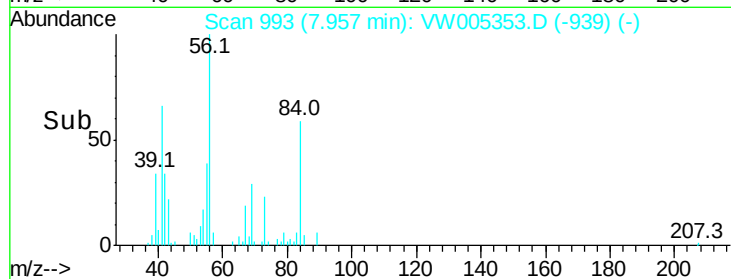
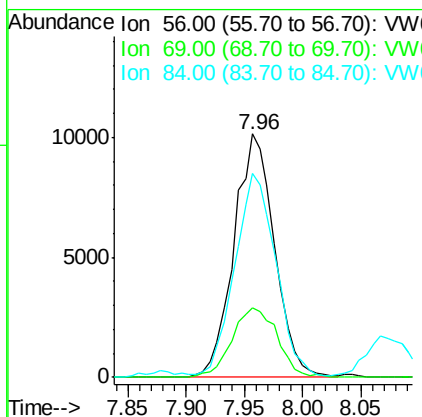
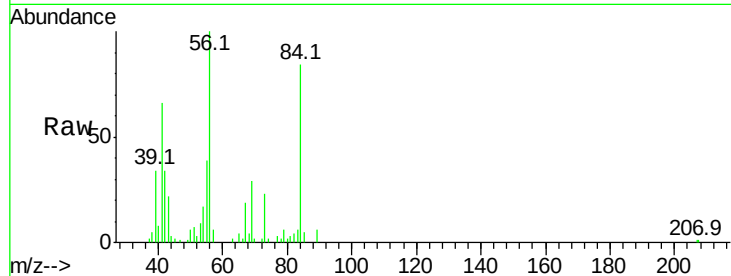




#30
Cyclohexane
Concen: 5.639 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW005353.D
Acq: 13 Sep 2018 15:40

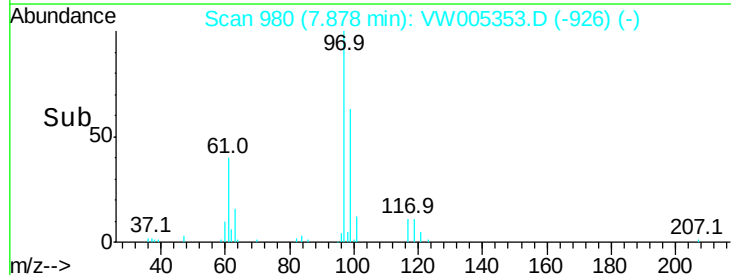
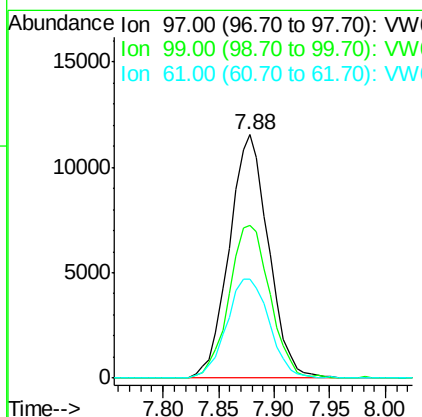
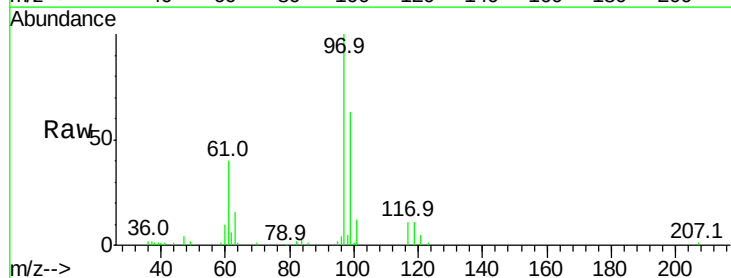
Instrument :
MSVOA_W
ClientSampled :
VSTD00582

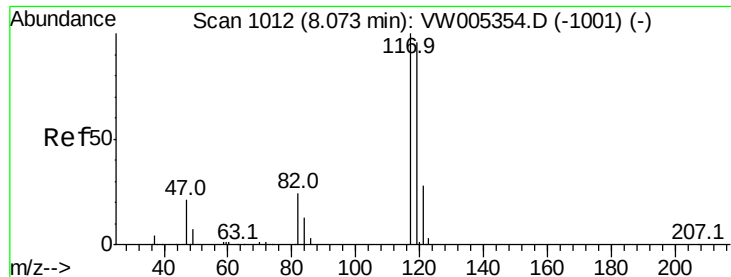
Tgt Ion: 56 Resp: 24630
Ion Ratio Lower Upper
56 100
69 31.6 24.7 37.1
84 85.3 67.4 101.0



#31
1,1,1-Trichloroethane
Concen: 6.539 ug/L
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW005353.D
Acq: 13 Sep 2018 15:40

Tgt Ion: 97 Resp: 28262
Ion Ratio Lower Upper
97 100
99 65.5 51.4 77.0
61 44.1 37.0 55.6





#32

Carbon tetrachloride

Concen: 6.632 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_W

ClientSampleId :

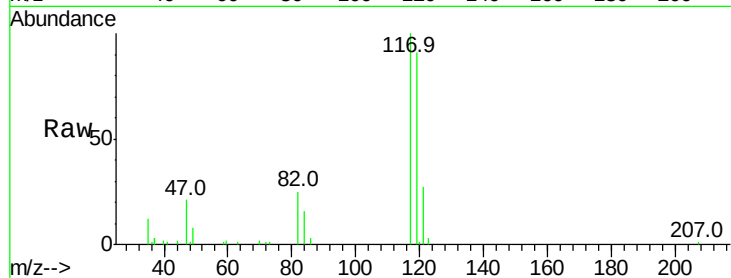
VSTD00582

Tgt Ion:117 Resp: 25962

Ion Ratio Lower Upper

117 100

119 95.3 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

12000

10000

8000

6000

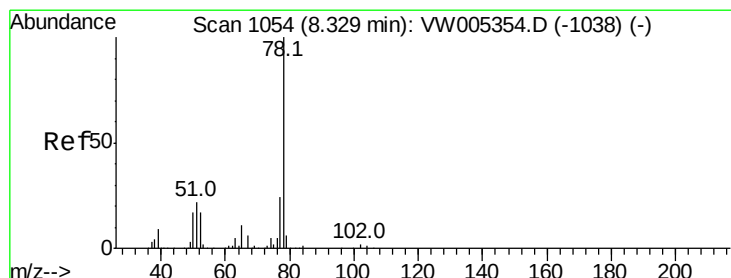
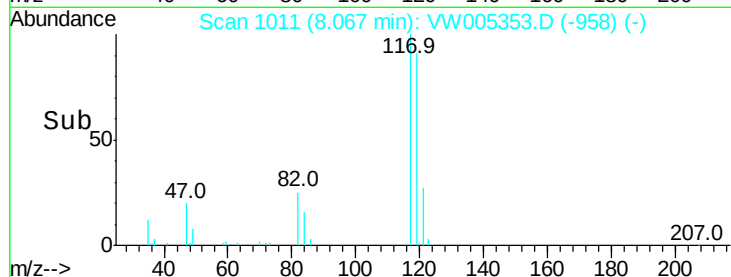
4000

2000

0

Time-->

8.00 8.05 8.10 8.15



#34

Benzene

Concen: 5.535 ug/L

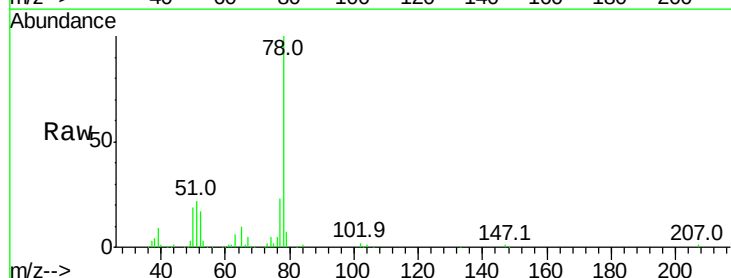
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

Tgt Ion: 78 Resp: 67437



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

30000

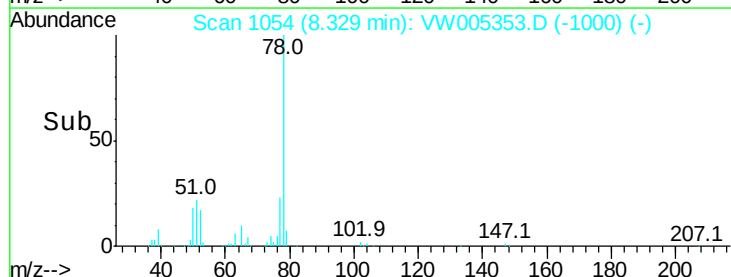
20000

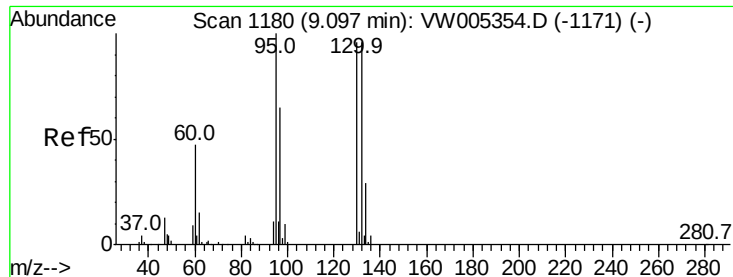
10000

0

Time-->

8.20 8.30 8.40





#35

Trichloroethene

Concen: 5.792 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_W

ClientSampled :

VSTD00582

Tgt Ion: 95 Resp: 18004

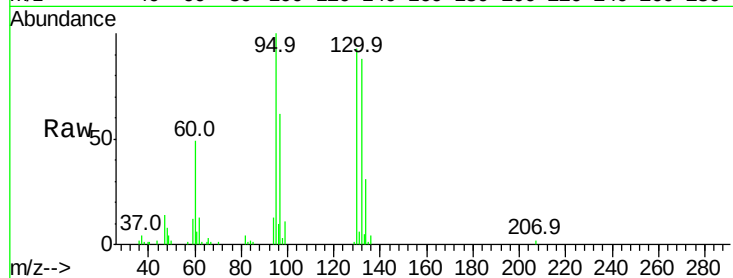
Ion Ratio Lower Upper

95 100

97 65.4 45.0 83.6

132 98.1 67.2 124.8

130 101.3 68.8 127.8

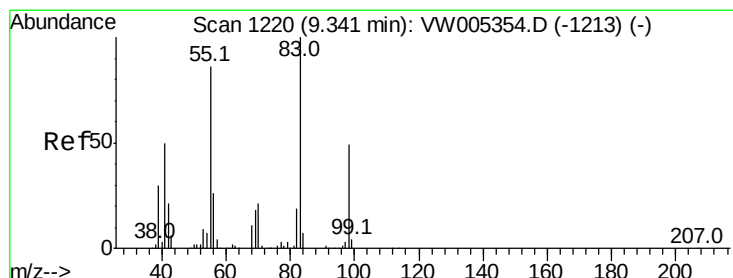
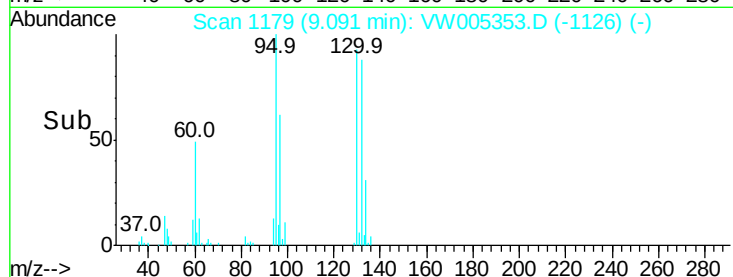
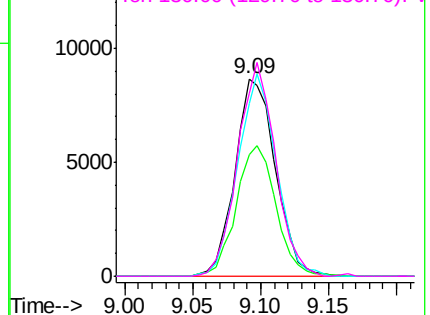


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 5.500 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

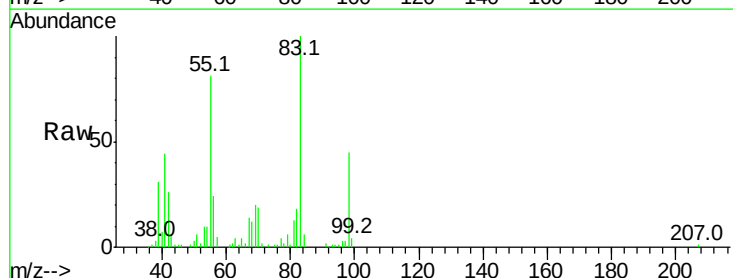
Tgt Ion: 83 Resp: 28843

Ion Ratio Lower Upper

83 100

55 83.8 66.4 99.6

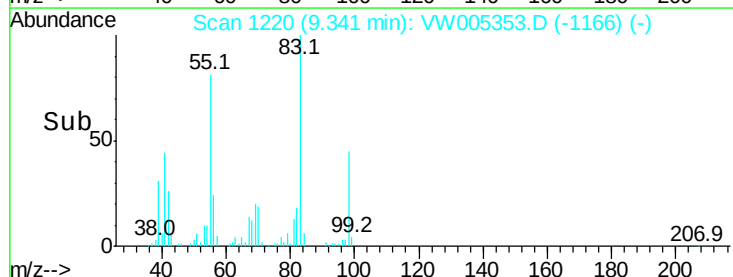
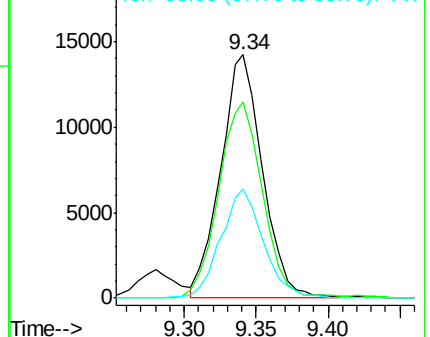
98 45.3 37.3 55.9

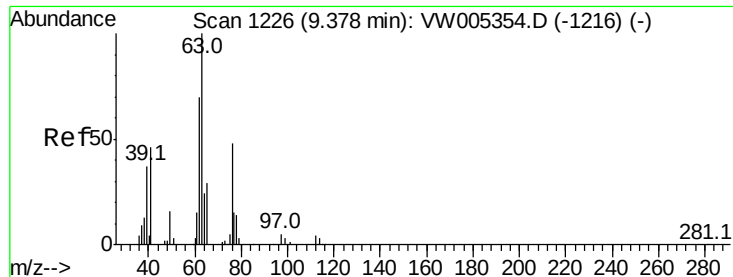


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 5.844 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_W

ClientSampleId :

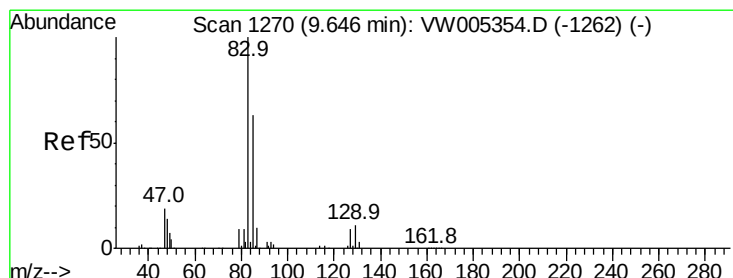
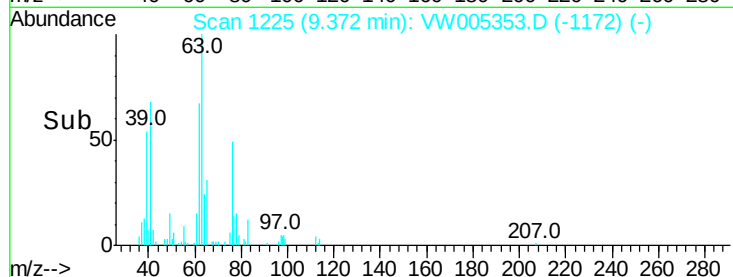
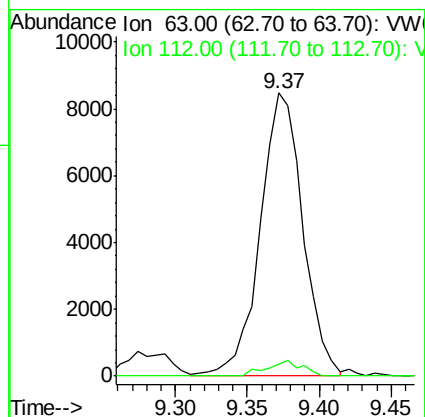
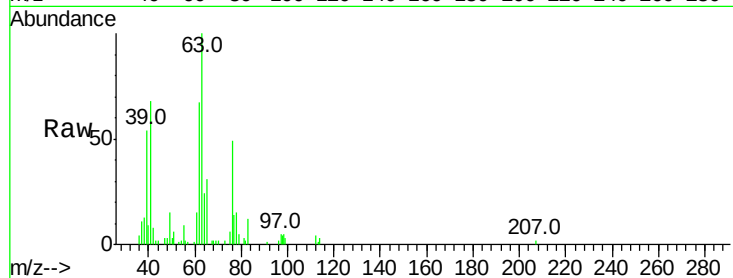
VSTD00582

Tgt Ion: 63 Resp: 17418

Ion Ratio Lower Upper

63 100

112 4.6 3.4 5.2



#41

Bromodichloromethane

Concen: 6.349 ug/L

RT: 9.65 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

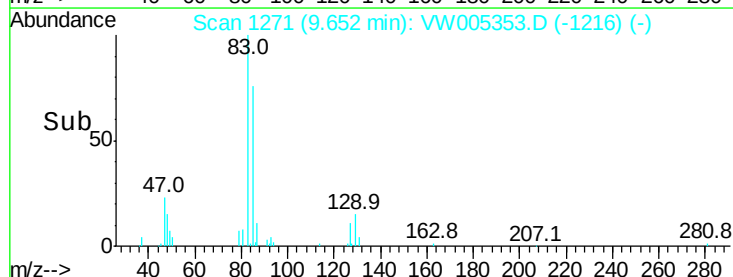
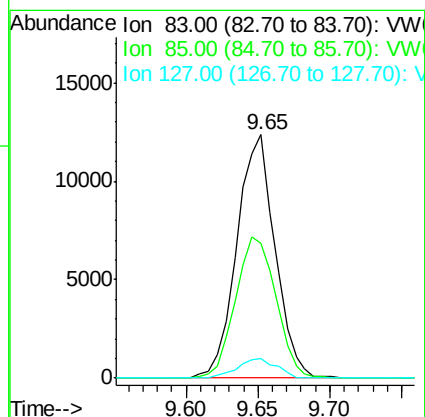
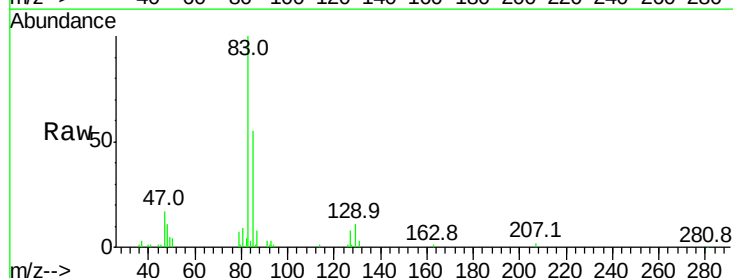
Tgt Ion: 83 Resp: 22777

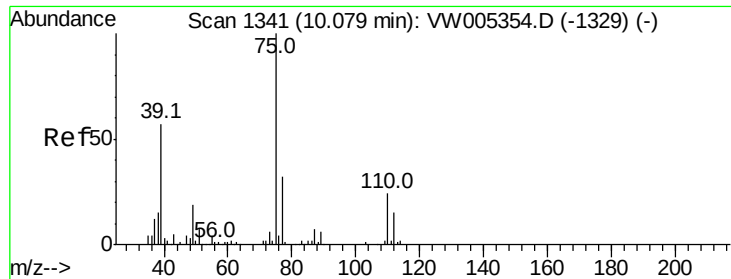
Ion Ratio Lower Upper

83 100

85 55.1 44.0 81.6

127 8.7 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 5.516 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_W

ClientSampleId :

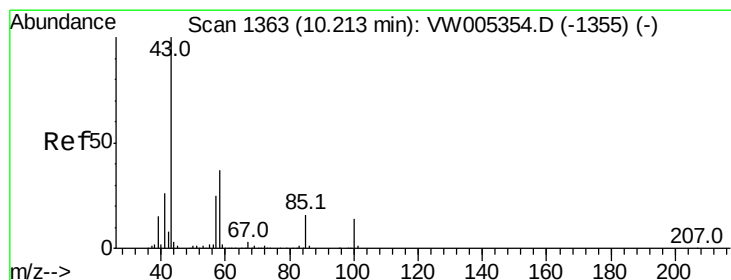
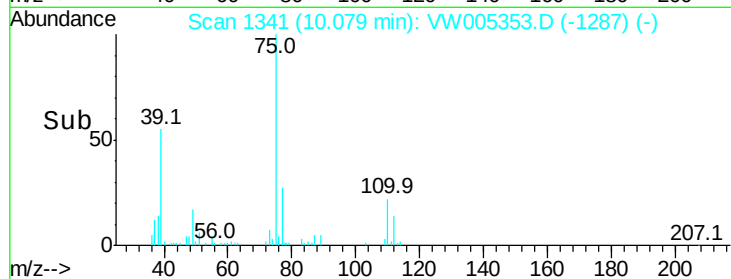
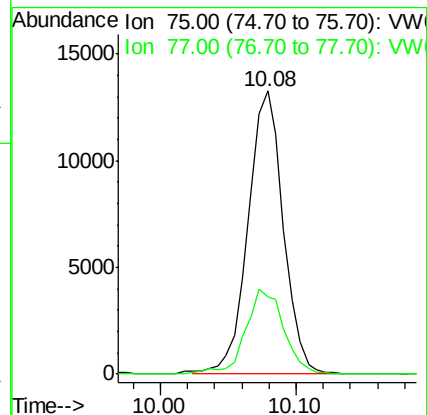
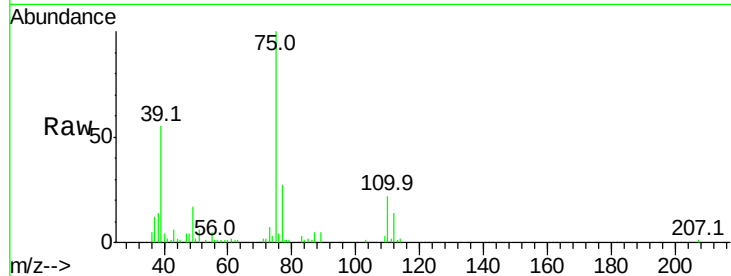
VSTD00582

Tgt Ion: 75 Resp: 24108

Ion Ratio Lower Upper

75 100

77 27.2 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 14.653 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

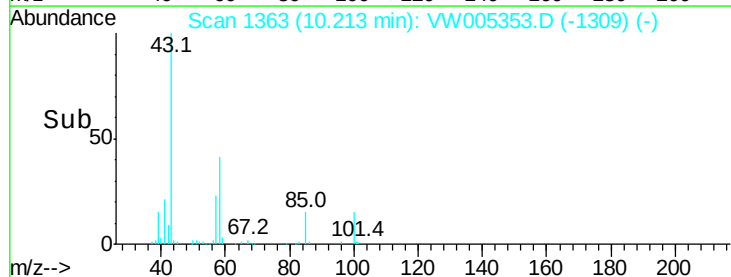
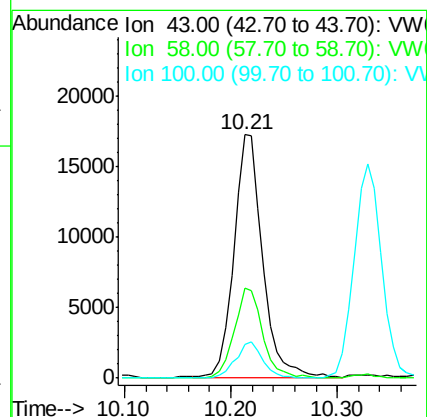
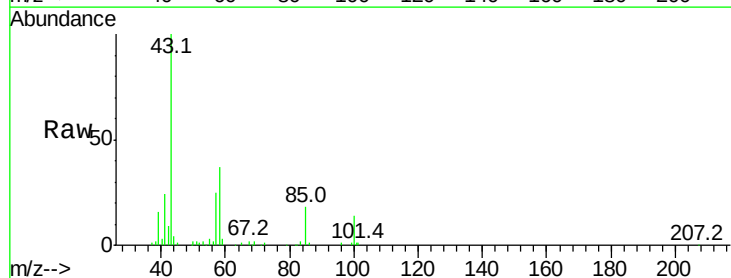
Tgt Ion: 43 Resp: 32457

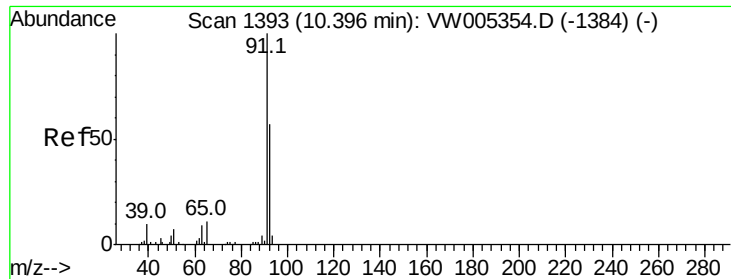
Ion Ratio Lower Upper

43 100

58 36.9 29.8 44.8

100 13.8 11.4 17.0





#44

Toluene

Concen: 5.596 ug/L

RT: 10.40 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_W

ClientSampleId :

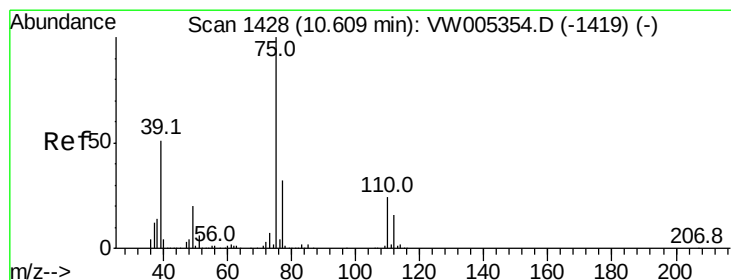
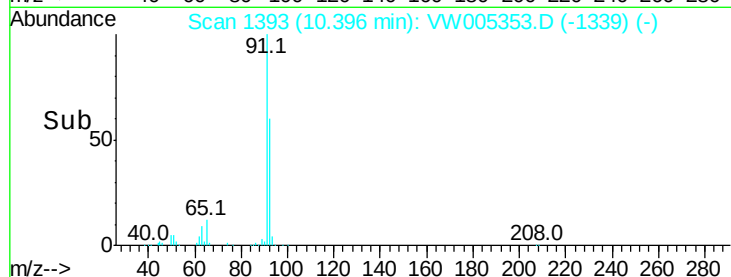
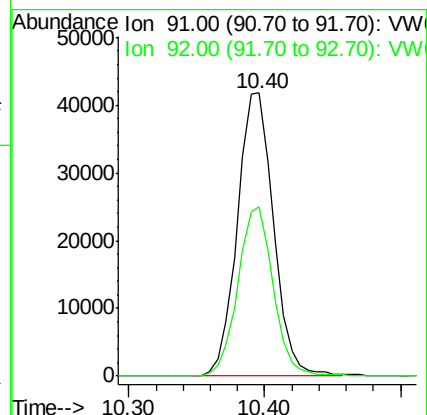
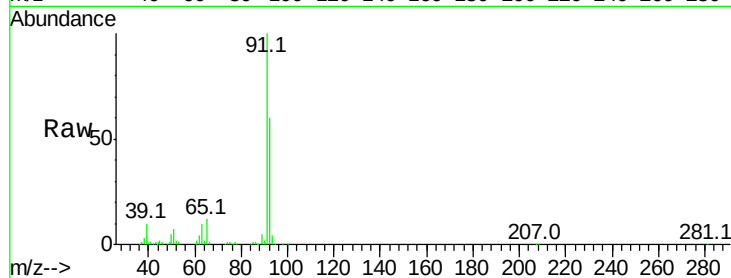
VSTD00582

Tgt Ion: 91 Resp: 77674

Ion Ratio Lower Upper

91 100

92 59.7 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 5.887 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005353.D

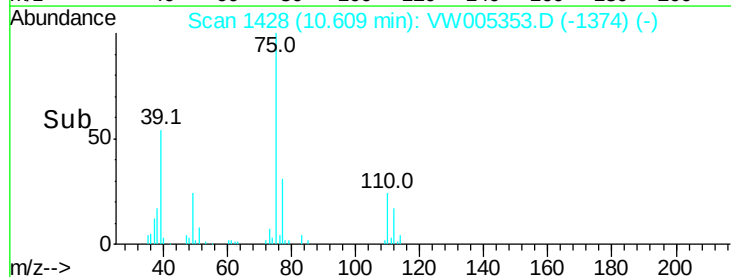
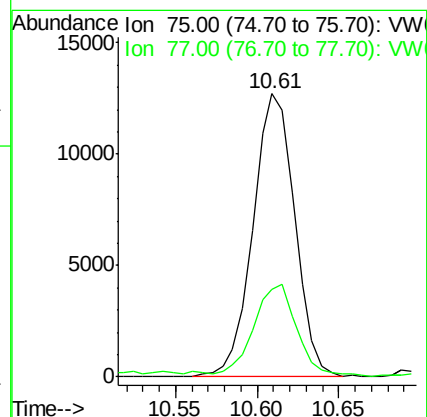
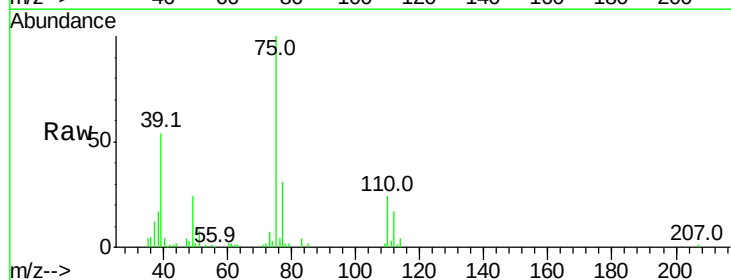
Acq: 13 Sep 2018 15:40

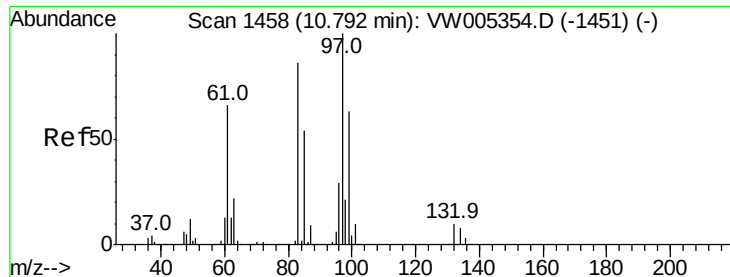
Tgt Ion: 75 Resp: 22709

Ion Ratio Lower Upper

75 100

77 31.0 22.3 41.3





#46

1,1,2-Trichloroethane

Concen: 5.558 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

Tgt Ion: 97 Resp: 13844

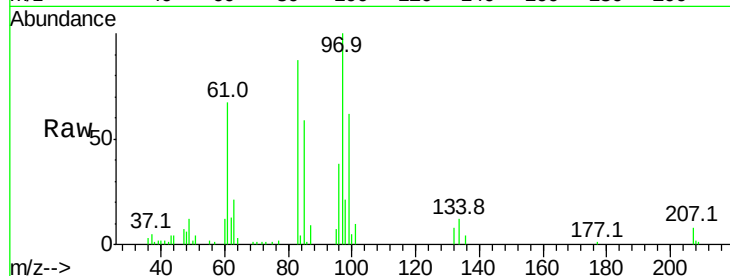
Ion Ratio Lower Upper

97 100

83 87.2 60.2 111.8

85 58.8 37.9 70.5

99 62.2 44.5 82.7

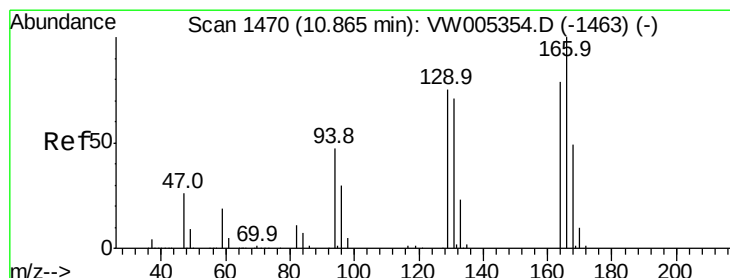
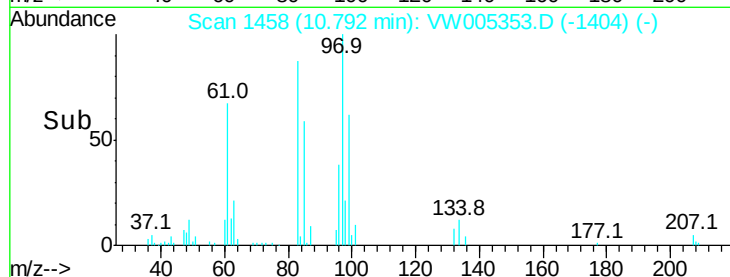
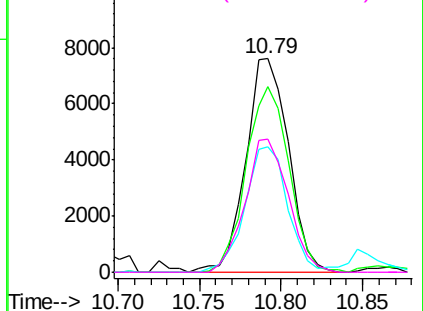


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 5.740 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

Tgt Ion: 164 Resp: 16849

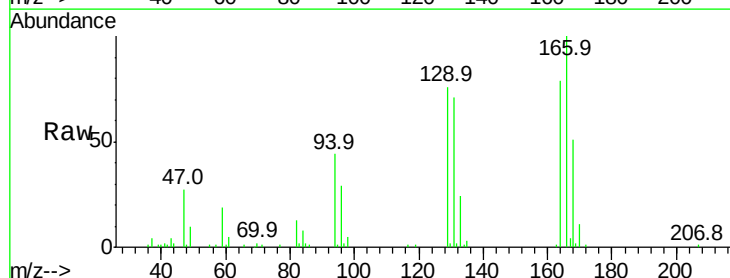
Ion Ratio Lower Upper

164 100

129 96.4 66.2 123.0

131 90.4 63.6 118.0

166 126.7 88.9 165.1

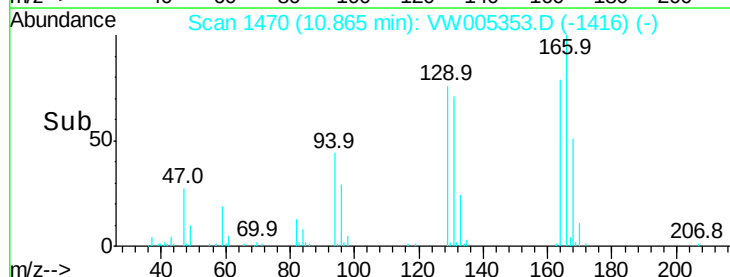
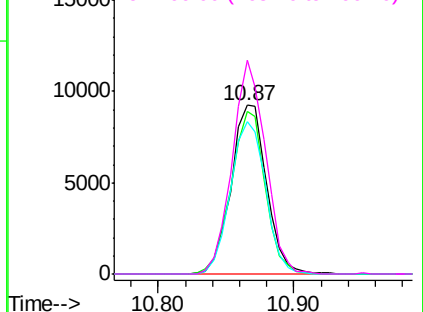


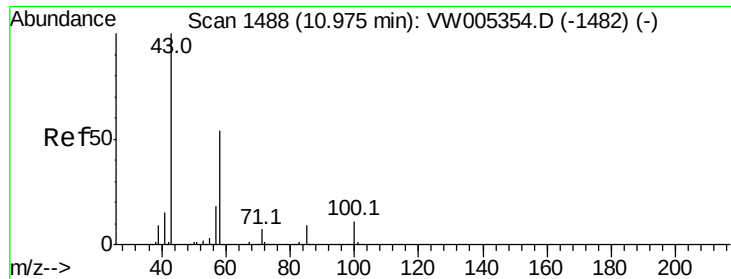
Abundance Ion 164.00 (163.70 to 164.70): V

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



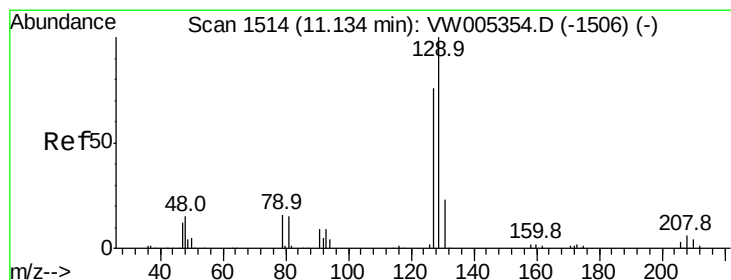
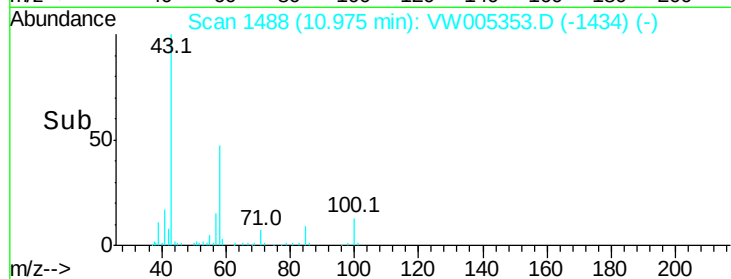
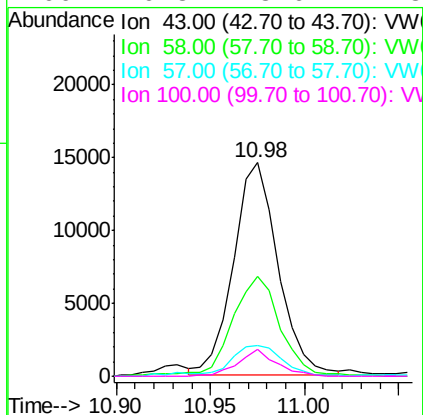
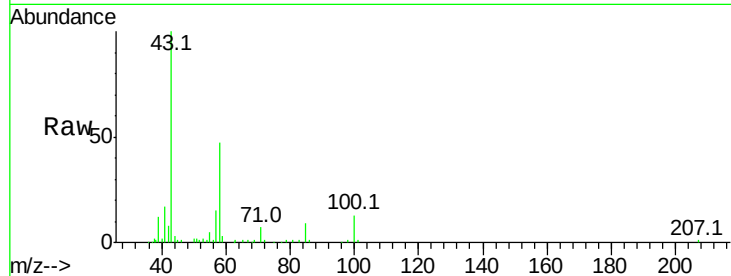


#49
2-Hexanone
Concen: 14.960 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005353.D
Acq: 13 Sep 2018 15:40

Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

Tgt Ion: 43 Resp: 23992

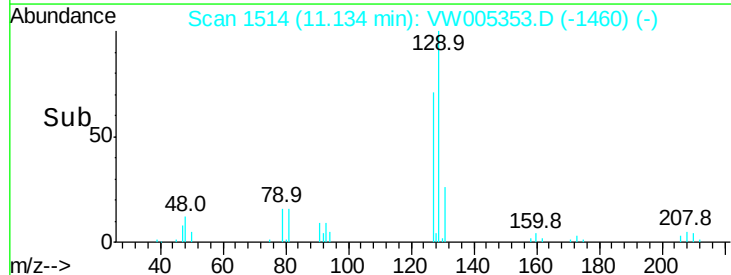
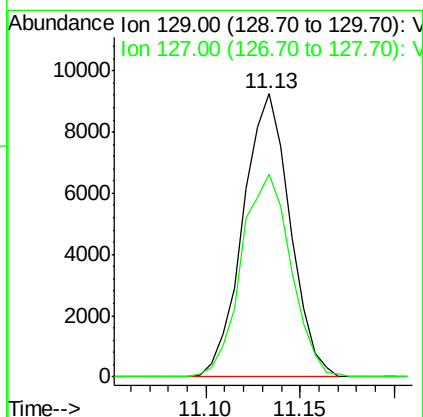
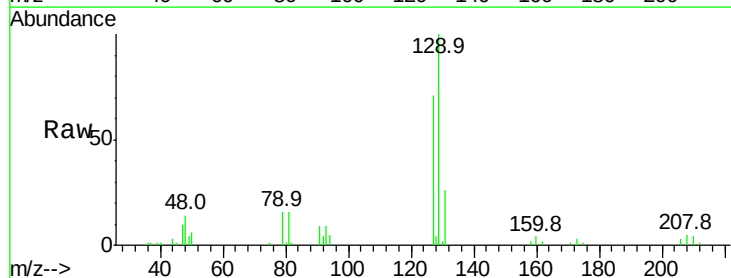
Ion	Ratio	Lower	Upper
43	100		
58	47.4	41.6	62.4
57	16.8	15.0	22.6
100	10.8	8.6	12.8

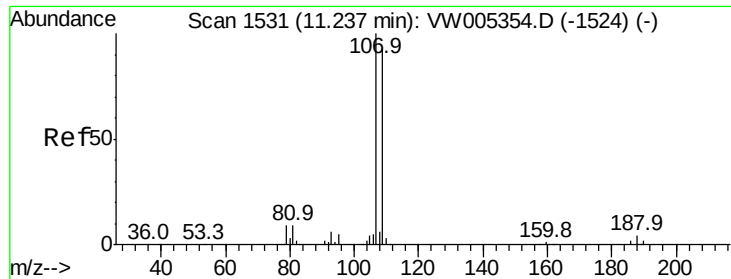


#50
Dibromochloromethane
Concen: 5.769 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005353.D
Acq: 13 Sep 2018 15:40

Tgt Ion: 129 Resp: 15998

Ion	Ratio	Lower	Upper
129	100		
127	71.4	53.1	98.5

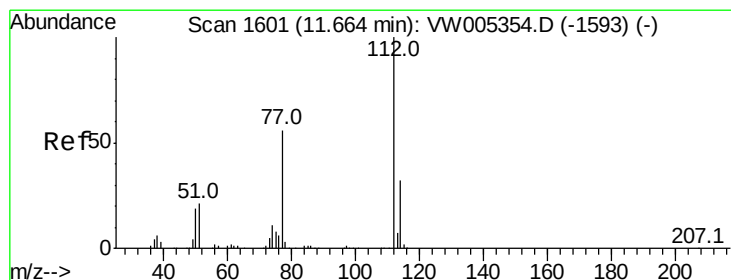
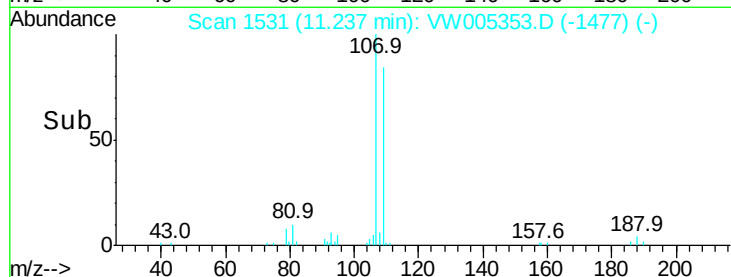
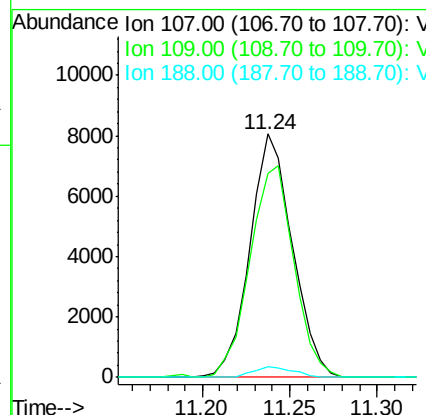
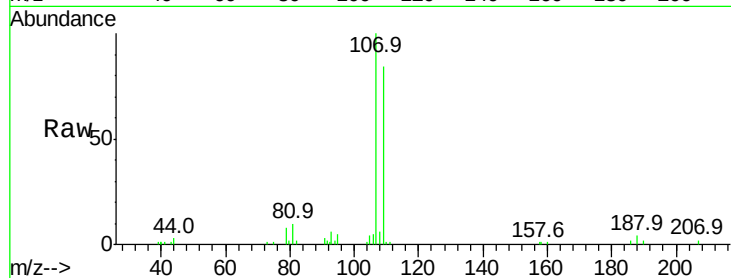




#51
1,2-Dibromoethane
Concen: 5.780 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW005353.D
Acq: 13 Sep 2018 15:40

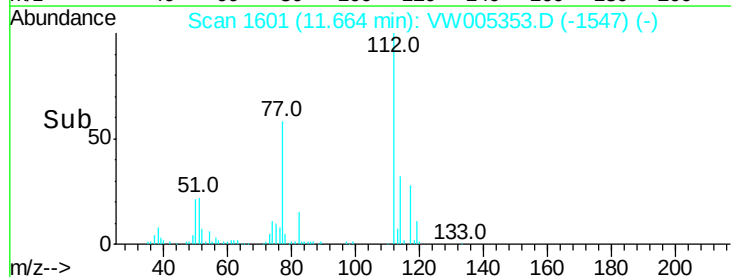
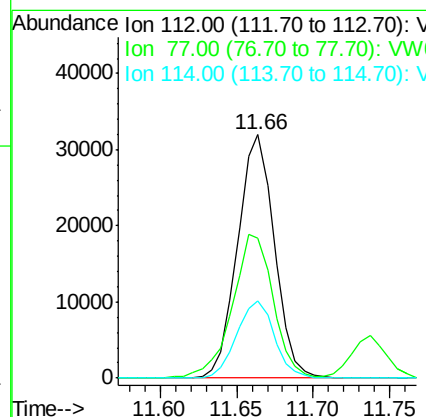
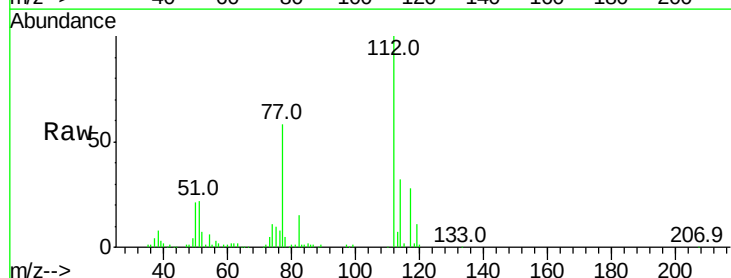
Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

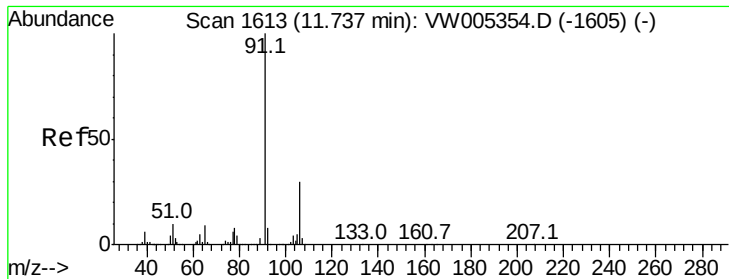
Tgt Ion:107 Resp: 13625
Ion Ratio Lower Upper
107 100
109 83.8 64.9 120.5
188 4.2 3.1 4.7



#52
Chlorobenzene
Concen: 5.626 ug/L
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW005353.D
Acq: 13 Sep 2018 15:40

Tgt Ion:112 Resp: 53508
Ion Ratio Lower Upper
112 100
77 57.6 45.1 67.7
114 31.9 22.5 41.7





#53

Ethylbenzene

Concen: 5.753 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_W

ClientSampleId :

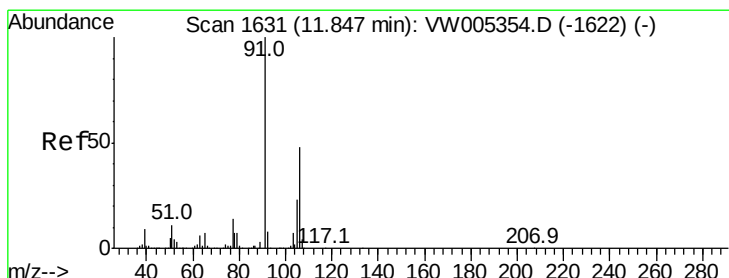
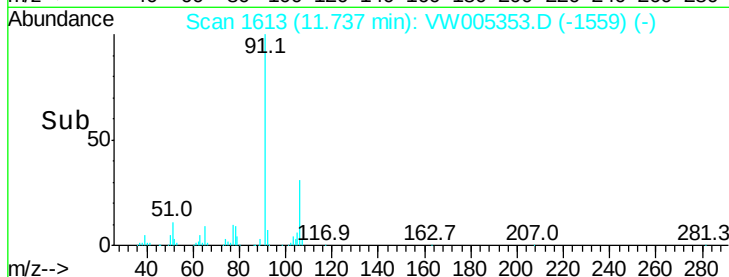
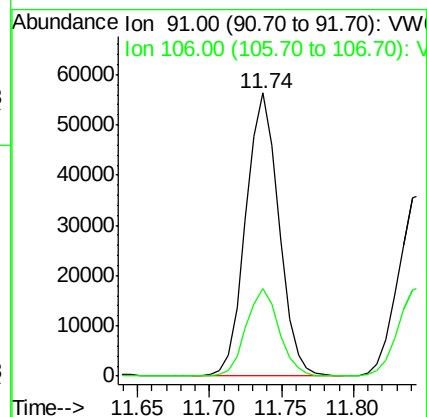
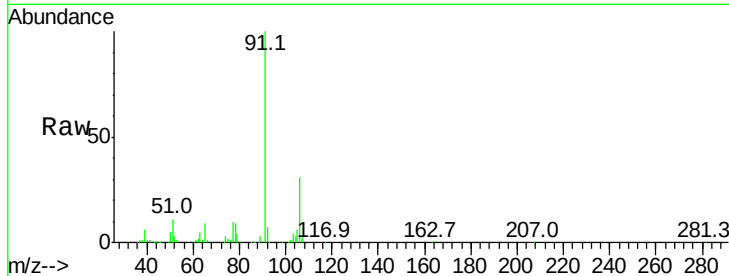
VSTD00582

Tgt Ion: 91 Resp: 89936

Ion Ratio Lower Upper

91 100

106 30.8 20.8 38.6



#54

m,p-Xylene

Concen: 5.574 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VW005353.D

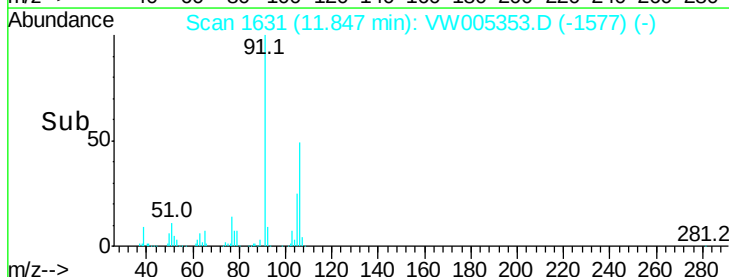
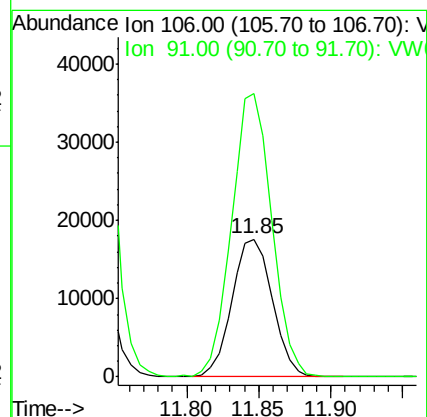
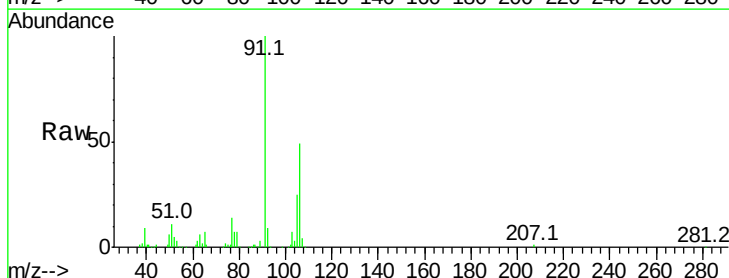
Acq: 13 Sep 2018 15:40

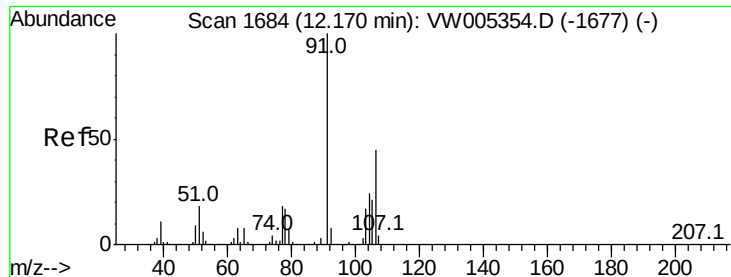
Tgt Ion: 106 Resp: 34536

Ion Ratio Lower Upper

106 100

91 205.5 146.4 271.8

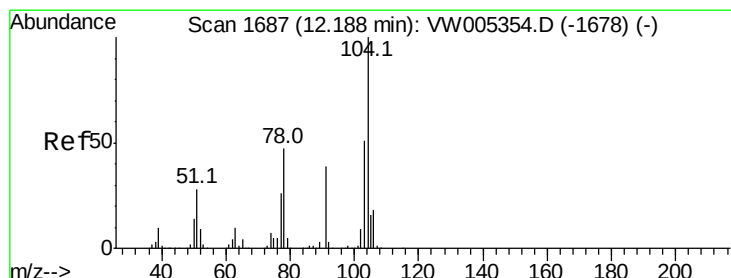
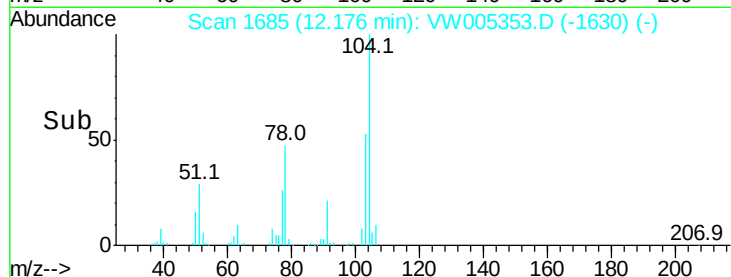
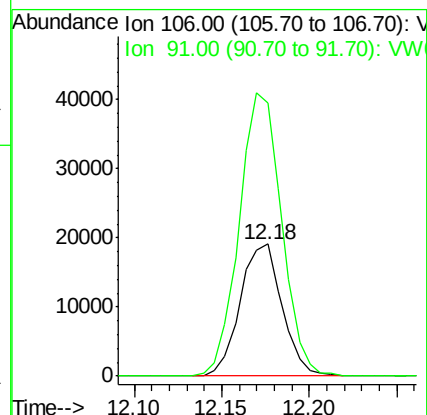
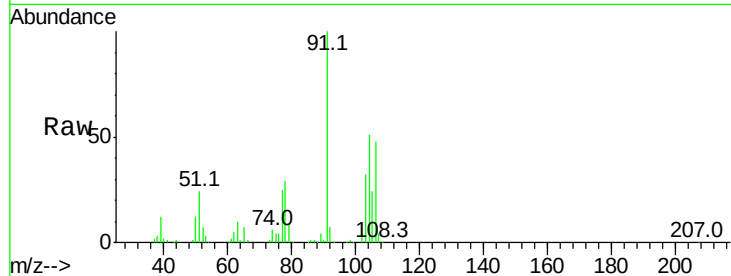




#55
o-xylene
Concen: 5.536 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VW005353.D
Acq: 13 Sep 2018 15:40

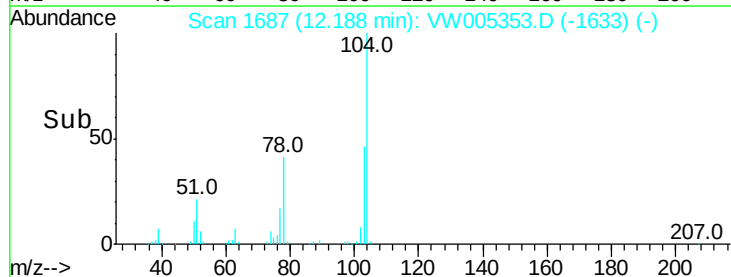
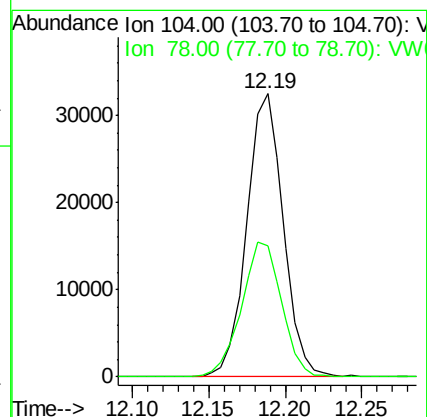
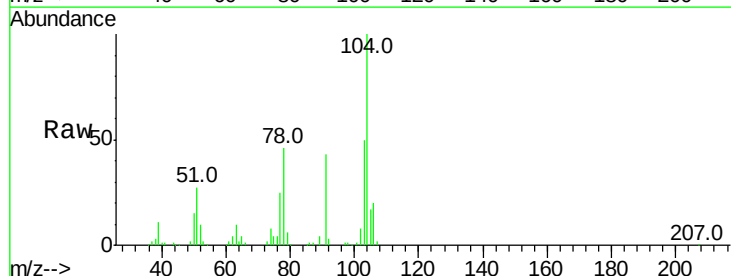
Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

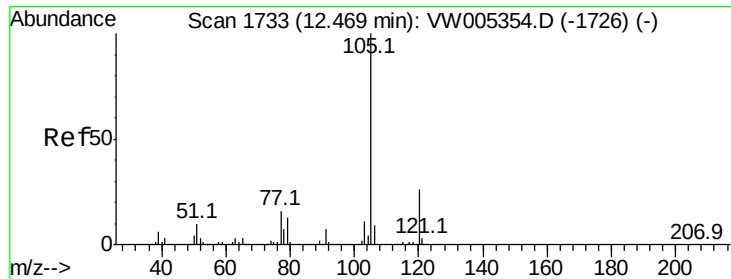
Tgt Ion:106 Resp: 31867
Ion Ratio Lower Upper
106 100
91 206.3 155.1 288.1



#56
Styrene
Concen: 5.430 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005353.D
Acq: 13 Sep 2018 15:40

Tgt Ion:104 Resp: 53881
Ion Ratio Lower Upper
104 100
78 46.1 32.8 60.8





#57

Isopropylbenzene

Concen: 5.688 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

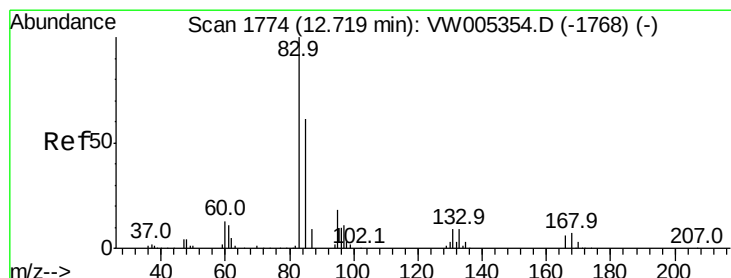
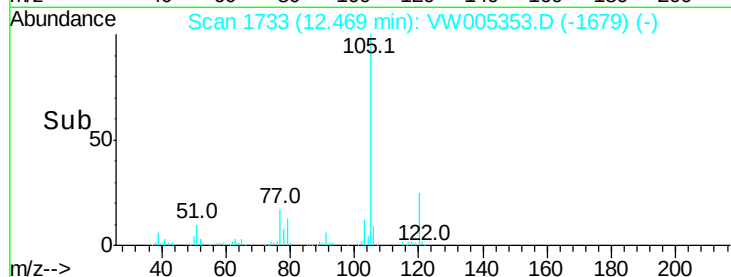
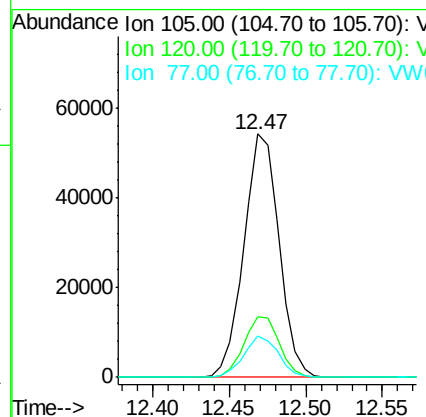
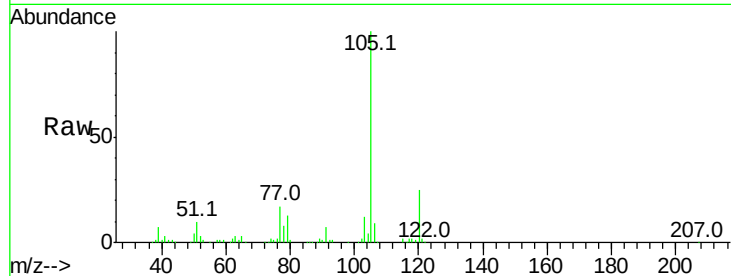
Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

Tgt Ion:	105	Resp:	86887
Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.3	30.5
77	16.8	12.9	19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 5.739 ug/L

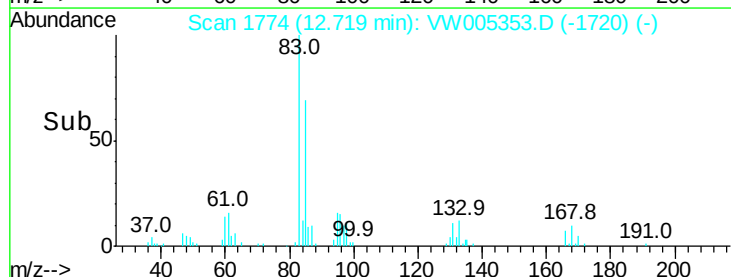
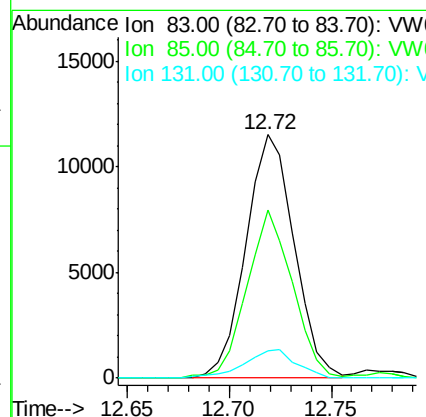
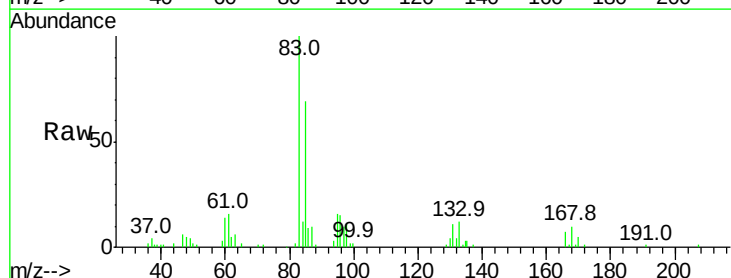
RT: 12.72 min Scan# 1774

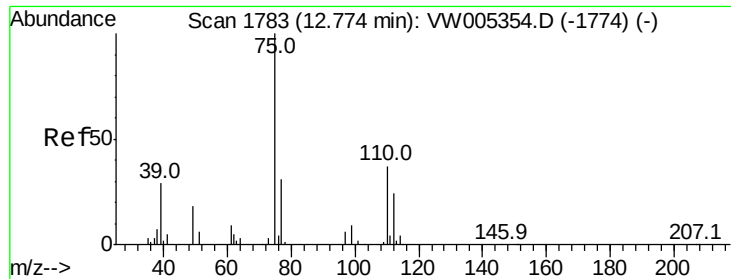
Delta R.T. -0.00 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

Tgt Ion:	83	Resp:	18983
Ion	Ratio	Lower	Upper
83	100		
85	68.9	43.2	80.2
131	11.0	7.9	11.9





#59

1,2,3-Trichloropropane

Concen: 6.422 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_W

ClientSampleId :

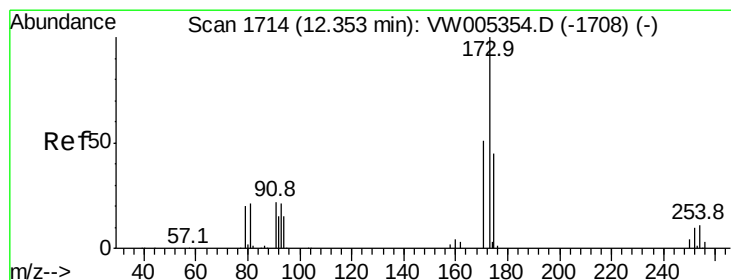
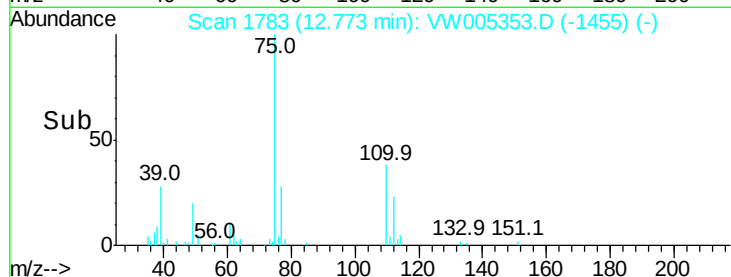
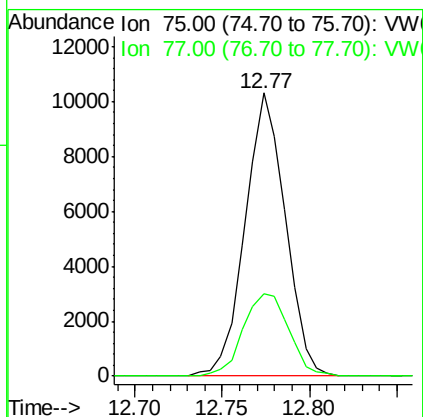
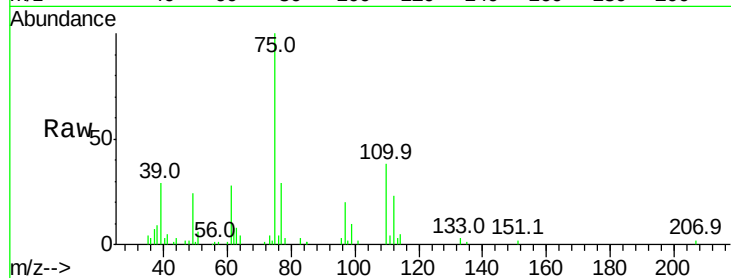
VSTD00582

Tgt Ion: 75 Resp: 16604

Ion Ratio Lower Upper

75 100

77 33.0 25.7 38.5



#62

Bromoform

Concen: 5.880 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

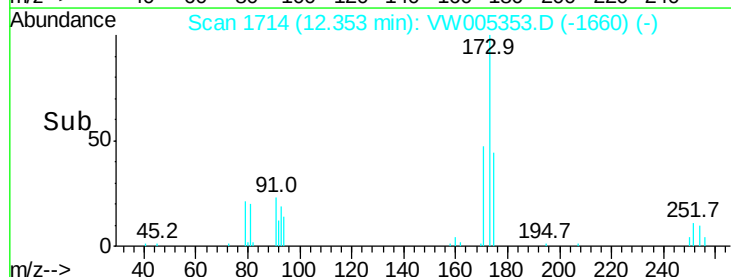
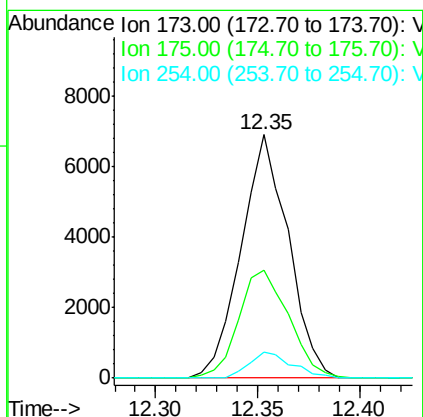
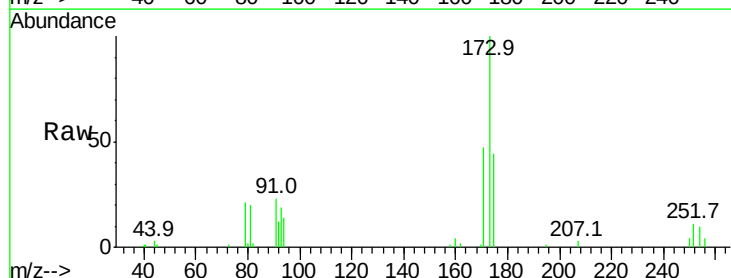
Tgt Ion: 173 Resp: 11117

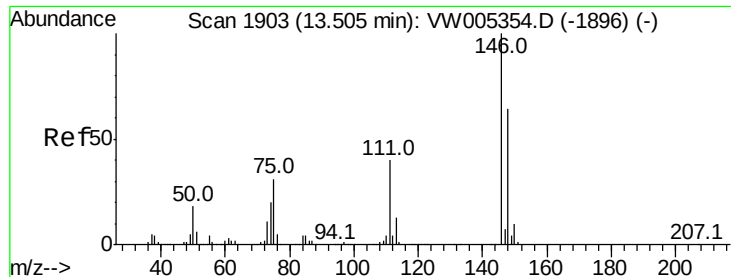
Ion Ratio Lower Upper

173 100

175 47.0 37.8 56.8

254 9.8 8.6 13.0

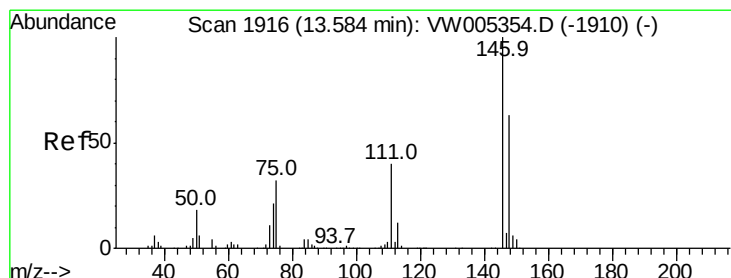
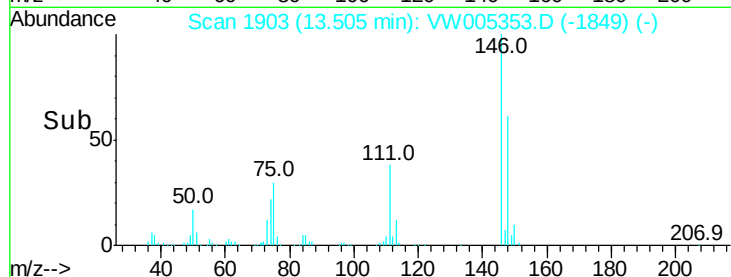
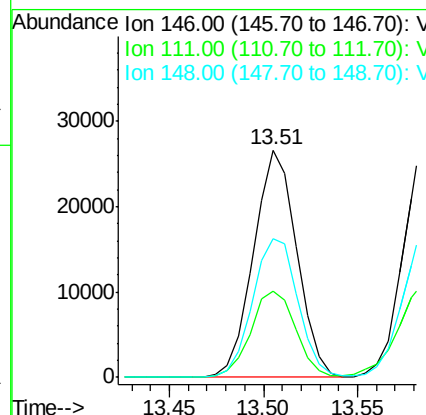
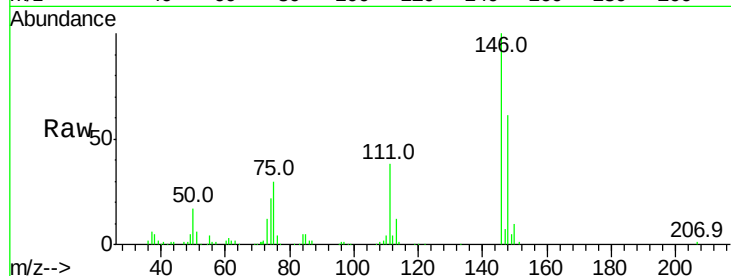




#63
 1,3-Dichlorobenzene
 Concen: 5.506 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005353.D
 Acq: 13 Sep 2018 15:40

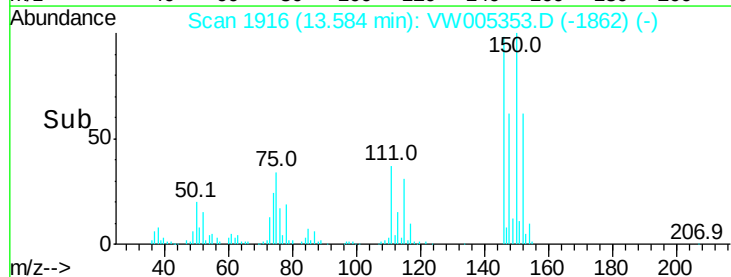
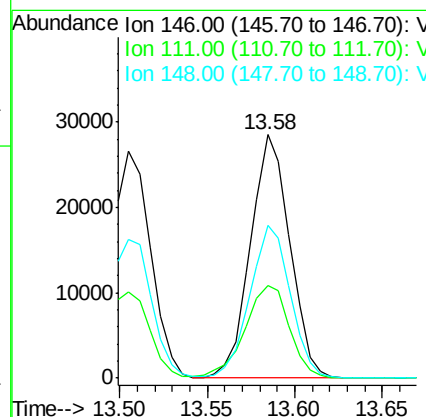
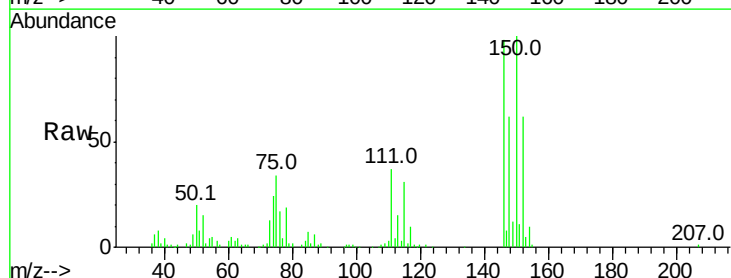
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00582

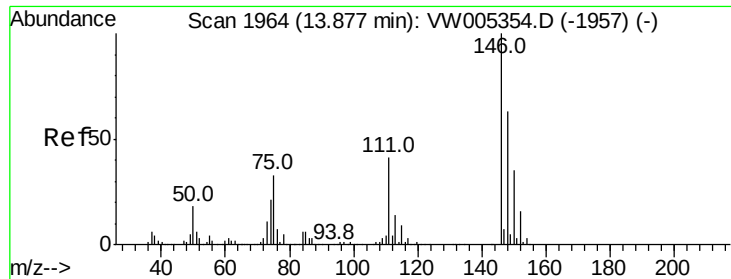
Tgt Ion:146 Resp: 42436
 Ion Ratio Lower Upper
 146 100
 111 38.2 28.1 52.3
 148 61.2 44.7 83.1



#64
 1,4-Dichlorobenzene
 Concen: 5.474 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005353.D
 Acq: 13 Sep 2018 15:40

Tgt Ion:146 Resp: 44748
 Ion Ratio Lower Upper
 146 100
 111 37.8 27.9 51.9
 148 63.0 44.3 82.3

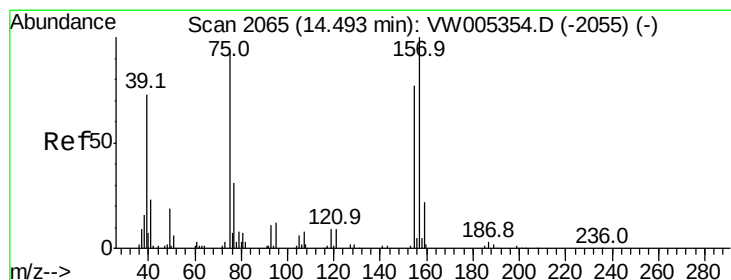
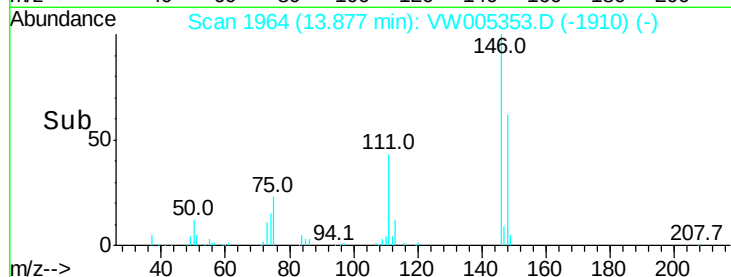
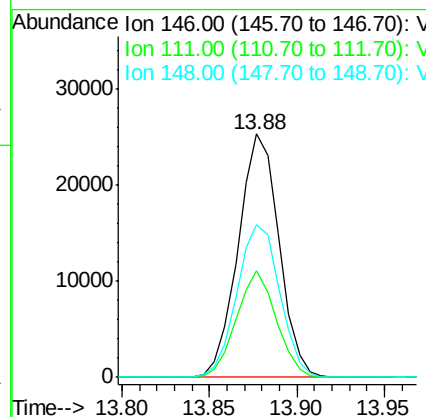
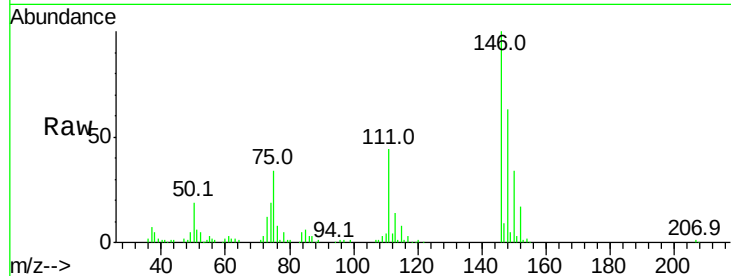




#65
 1,2-Dichlorobenzene
 Concen: 5.470 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW005353.D
 Acq: 13 Sep 2018 15:40

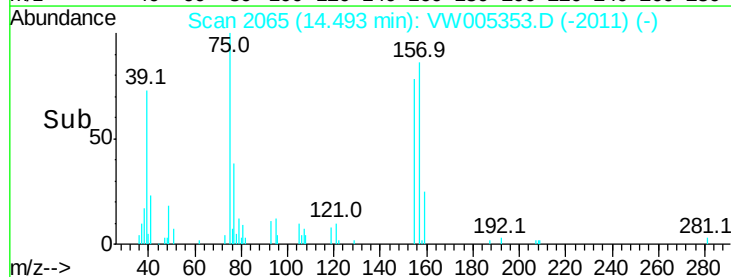
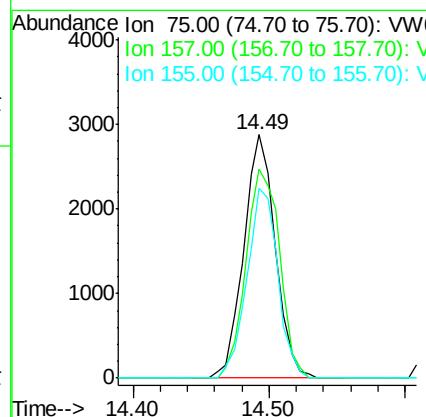
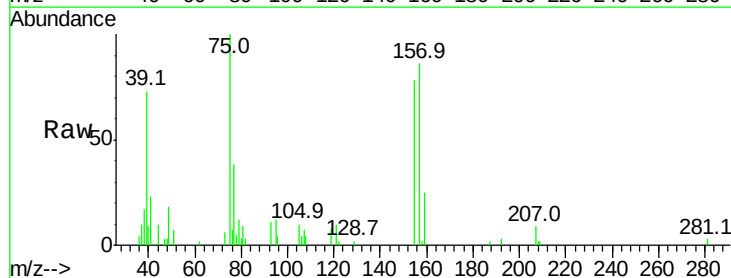
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00582

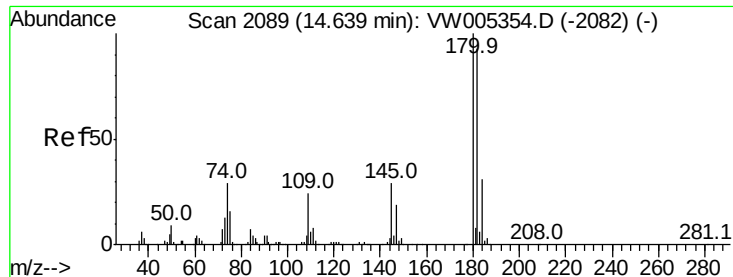
Tgt Ion:146 Resp: 41106
 Ion Ratio Lower Upper
 146 100
 111 43.8 32.9 49.3
 148 62.5 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 7.656 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW005353.D
 Acq: 13 Sep 2018 15:40

Tgt Ion: 75 Resp: 4661
 Ion Ratio Lower Upper
 75 100
 157 86.0 86.3 129.5#
 155 78.0 66.6 100.0

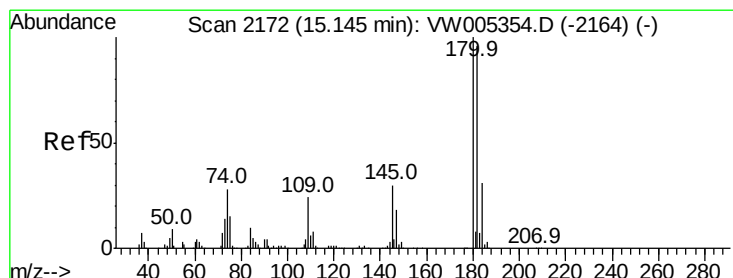
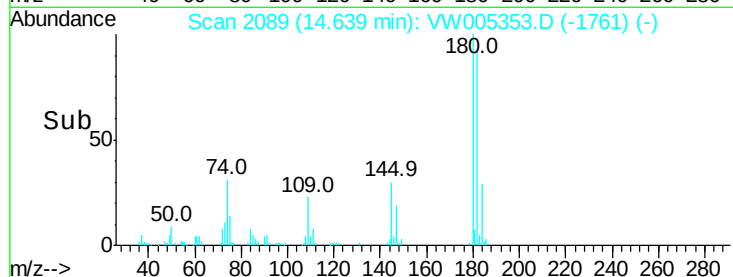
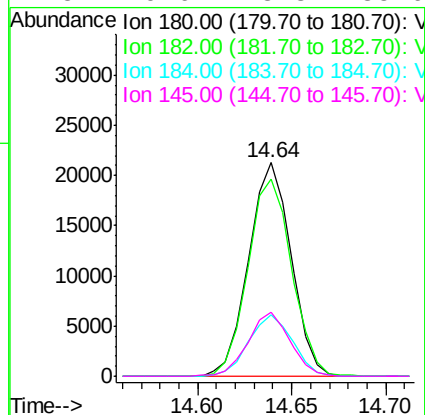
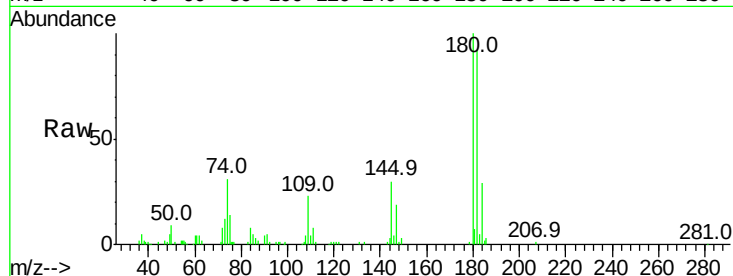




#67
 1,3,5-Trichlorobenzene
 Concen: 5.311 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. -0.00 min
 Lab File: VW005353.D
 Acq: 13 Sep 2018 15:40

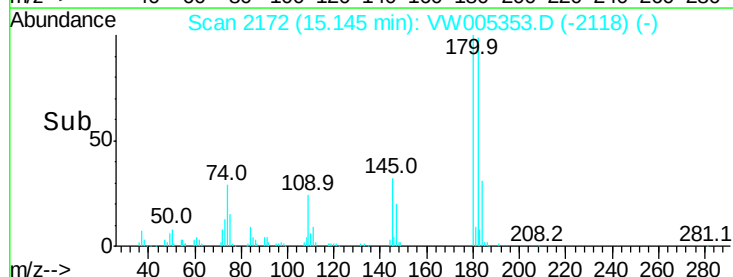
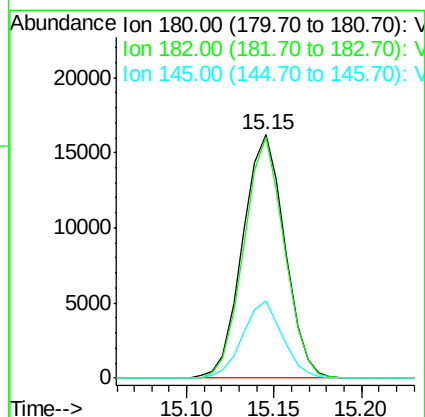
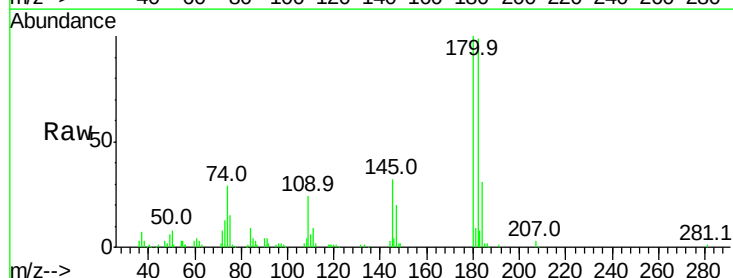
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00582

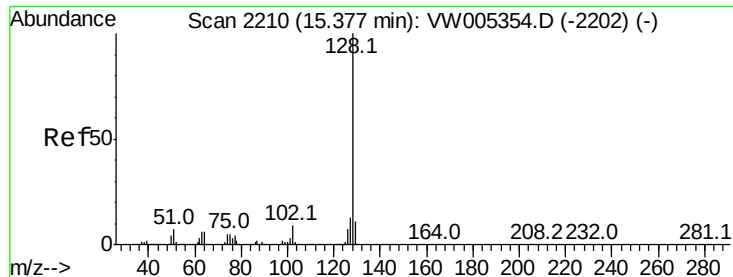
Tgt Ion:	180	Resp:	33236
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.7	113.5
184	29.6	24.0	36.0
145	29.6	23.8	35.6



#68
 1,2,4-trichlorobenzene
 Concen: 5.369 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW005353.D
 Acq: 13 Sep 2018 15:40

Tgt Ion:	180	Resp:	27128
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.6	115.0
145	29.9	24.2	36.4





#69

Naphthalene

Concen: 5.366 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

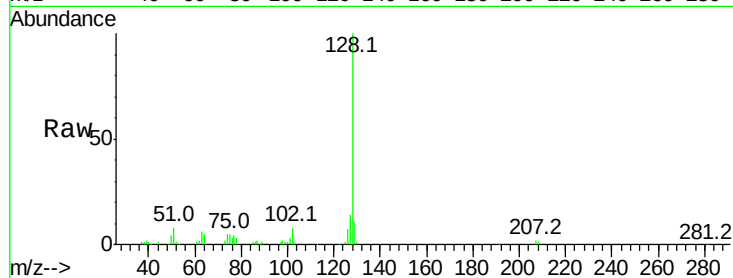
Tgt Ion:128 Resp: 54641

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

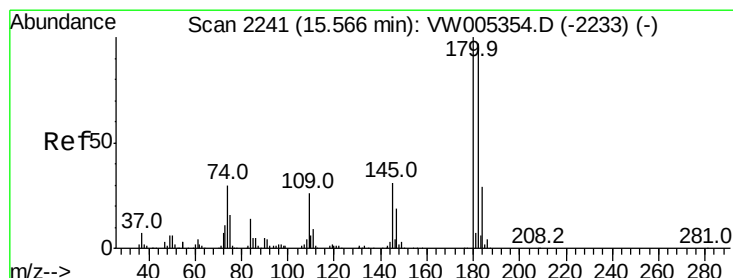
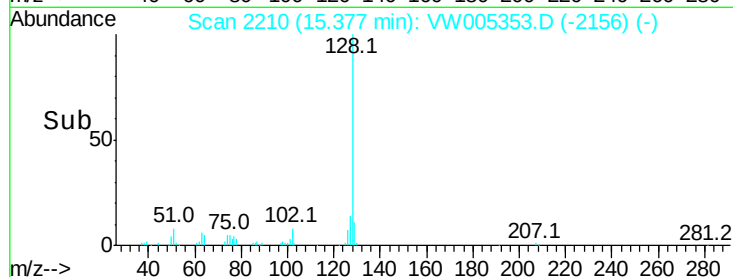
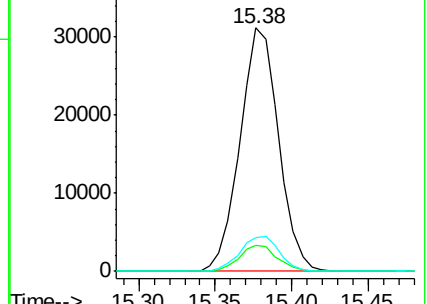
127 14.7 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.348 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW005353.D

Acq: 13 Sep 2018 15:40

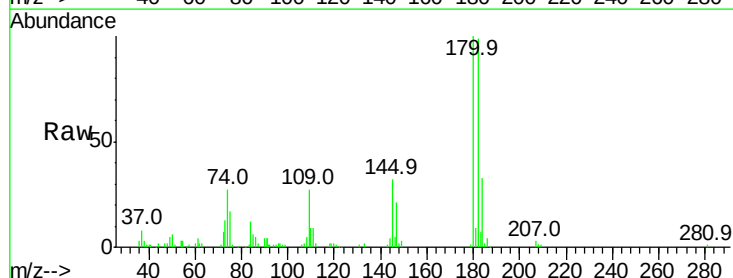
Tgt Ion:180 Resp: 25409

Ion Ratio Lower Upper

180 100

182 95.4 76.9 115.3

145 32.3 26.0 39.0



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

