

Data File : VW015027.D
Acq On : 24 Feb 2020 11:53
Operator : SY/VA
Sample : VSTD10031
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

Quant Time: Feb 24 12:27:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
Quant Title : VOC Analysis
QLast Update : Mon Feb 24 11:37:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	750819	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	691984	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	314124	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	1622899	130.57	ug/L	0.00
7) Chloroethane-d5	2.89	69	1175882	118.16	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	2749461	121.07	ug/L	0.00
20) 2-Butanone-d5	7.07	46	678191	194.42	ug/L	0.00
24) Chloroform-d	7.65	84	2149581	100.83	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	1189074	100.79	ug/L	0.00
29) Benzene-d6	8.27	84	4364745	98.08	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	1465681	101.07	ug/L	0.00
37) Toluene-d8	10.32	98	3871472	98.86	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	586739	102.47	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	526392	199.14	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	968354	88.68	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	1061005	87.10	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	698935	90.548	ug/L	97
3) Chloromethane	2.21	50	1405799	120.190	ug/L	99
5) Vinyl chloride	2.37	62	1695691	111.032	ug/L	99
6) Bromomethane	2.78	94	761282	99.688	ug/L	98
8) Chloroethane	2.92	64	933840	111.758	ug/L	97
9) Trichlorofluoromethane	3.26	101	849275	137.567	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	1079059	99.016	ug/L	99
13) Acetone	4.12	43	708421	196.747	ug/L	97
14) Carbon disulfide	4.38	76	3846799	120.291	ug/L	100
15) Methyl Acetate	4.67	43	621639	104.915	ug/L	100
16) Methylene chloride	4.92	84	1123344	82.125	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	1423353	102.293	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	1103651	102.271	ug/L	94
19) 1,1-Dichloroethane	6.21	63	2378655	108.801	ug/L	98
21) 2-Butanone	7.17	43	957156	227.046	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	1177266	100.861	ug/L	94
23) Bromochloromethane	7.51	128	425722	88.897	ug/L	90
25) Chloroform	7.67	83	2060503	102.602	ug/L	99
27) 1,2-Dichloroethane	8.40	62	1441294	104.097	ug/L	100
30) Cyclohexane	7.95	56	2586433	125.443	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	1631645	103.411	ug/L	100
32) Carbon tetrachloride	8.07	117	1479678	104.326	ug/L	100
34) Benzene	8.32	78	4864010	102.219	ug/L	100
35) Trichloroethene	9.09	95	1170638	99.248	ug/L	99
36) Methylcyclohexane	9.33	83	2303311	112.103	ug/L	98
40) 1,2-Dichloropropane	9.37	63	1332651	104.654	ug/L	100
41) Bromodichloromethane	9.64	83	1501814	102.908	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	1990098	110.060	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	1819911	217.957	ug/L	99
44) Toluene	10.38	91	4917279	101.793	ug/L	99

Data File : VW015027.D
Acq On : 24 Feb 2020 11:53
Operator : SY/VA
Sample : VSTD10031
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

Quant Time: Feb 24 12:27:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
Quant Title : VOC Analysis
QLast Update : Mon Feb 24 11:37:55 2020
Response via : Initial Calibration

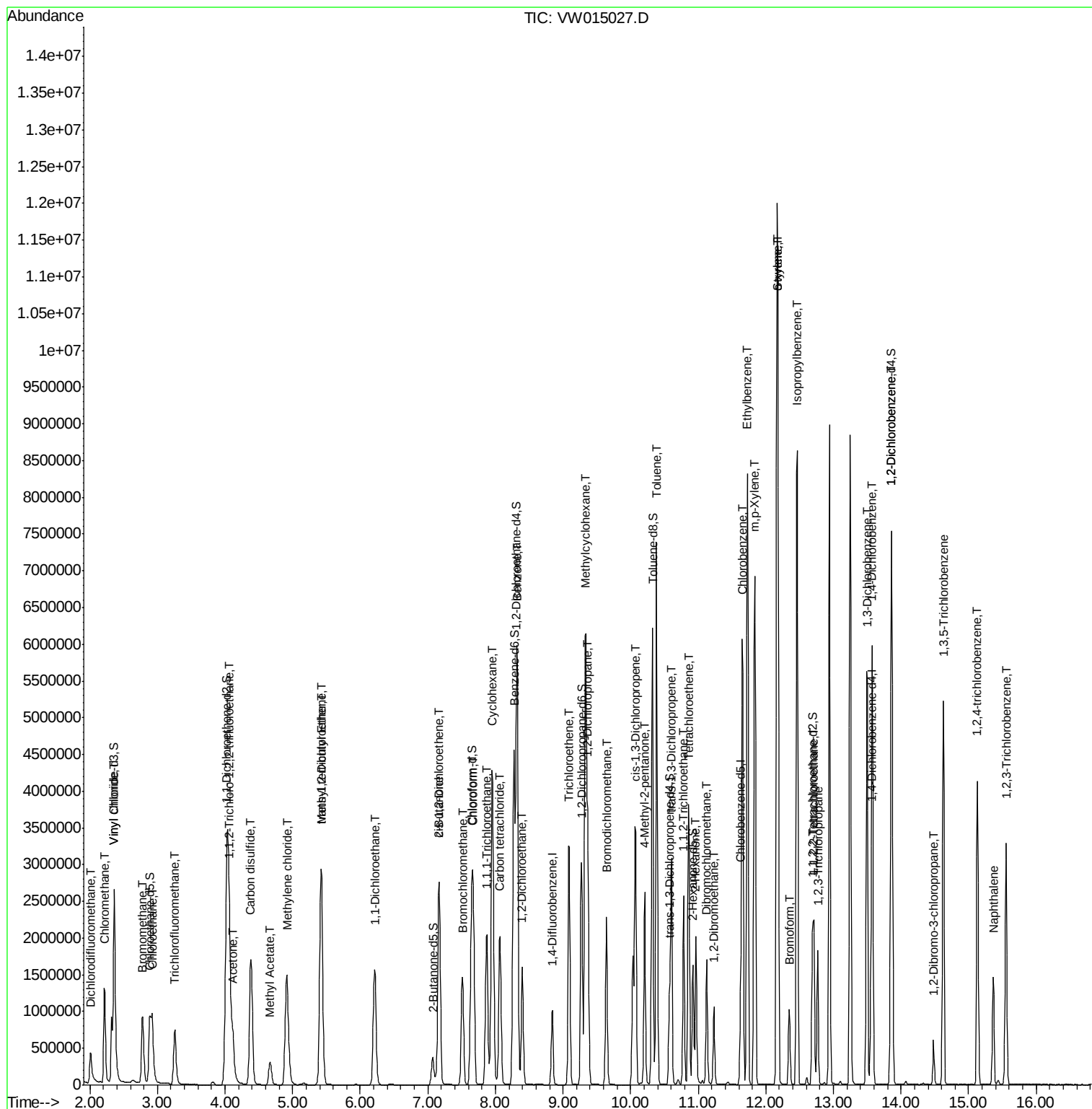
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.60	75	1569669	107.799	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	753620	89.902	ug/L	99
47) Tetrachloroethene	10.86	164	754262	87.029	ug/L	96
49) 2-Hexanone	10.96	43	1361557	232.146	ug/L	99
50) Dibromochloromethane	11.13	129	833322	92.495	ug/L	97
51) 1,2-Dibromoethane	11.23	107	693327	88.892	ug/L	95
52) Chlorobenzene	11.65	112	2763627	93.572	ug/L	100
53) Ethylbenzene	11.73	91	5603748	106.037	ug/L	99
54) m,p-Xylene	11.83	106	2002574	103.741	ug/L	99
55) o-xylene	12.16	106	1924828	104.771	ug/L	94
56) Styrene	12.18	104	3243122	104.448	ug/L	95
57) Isopropylbenzene	12.46	105	5263794	106.685	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	979948	93.657	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	750949	95.396	ug/L	100
62) Bromoform	12.35	173	423404	88.420	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	1989395	93.756	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	1957183	91.568	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	1785894	92.018	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.48	75	161665	97.693	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	1371948	90.278	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	1107343	92.224	ug/L	99
69) Naphthalene	15.36	128	1118184	47.344	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	964749	87.018	ug/L	98

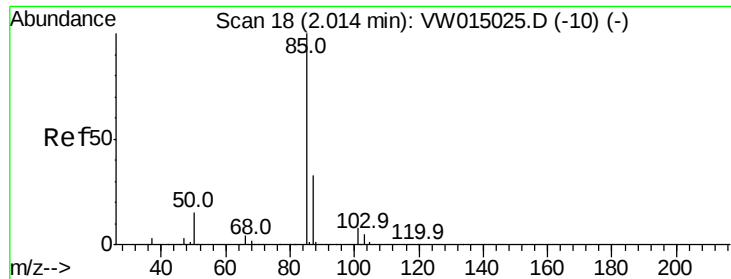
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW015027.D
Acq On : 24 Feb 2020 11:53
Operator : SY/VA
Sample : VSTD10031
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sample Id :
VSTD10005

Quant Time: Feb 24 12:27:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
Quant Title : VOC Analysis
QLast Update : Mon Feb 24 11:37:55 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 90.548 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Instrument :

MSVOA_W

ClientSampleId :

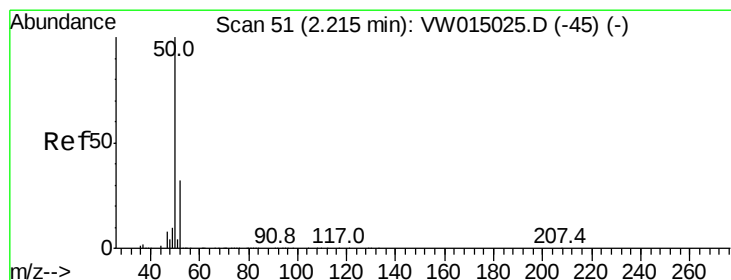
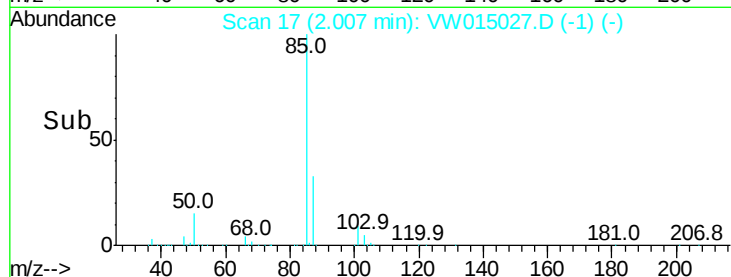
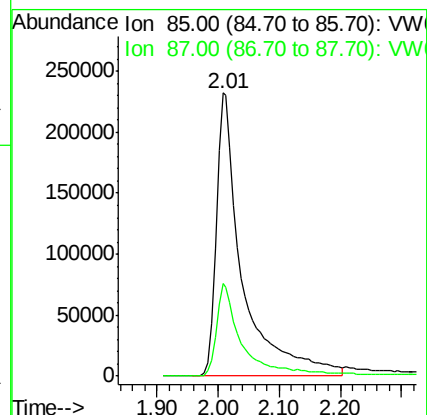
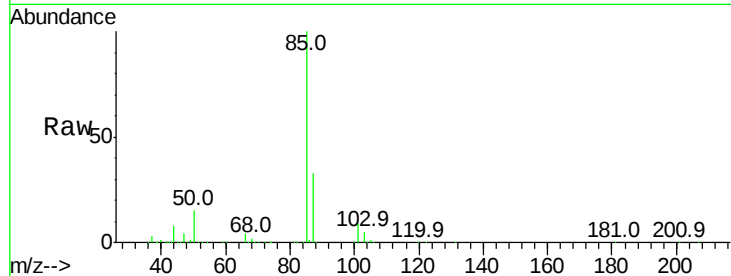
VSTD10005

Tgt Ion: 85 Resp: 698935

Ion Ratio Lower Upper

85 100

87 29.6 22.0 41.0



#3

Chloromethane

Concen: 120.190 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015027.D

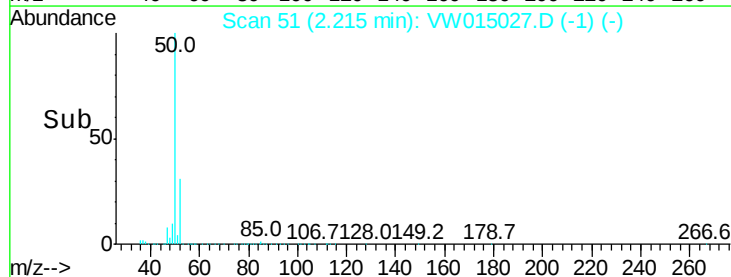
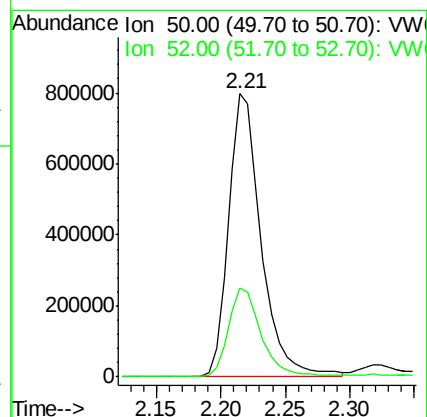
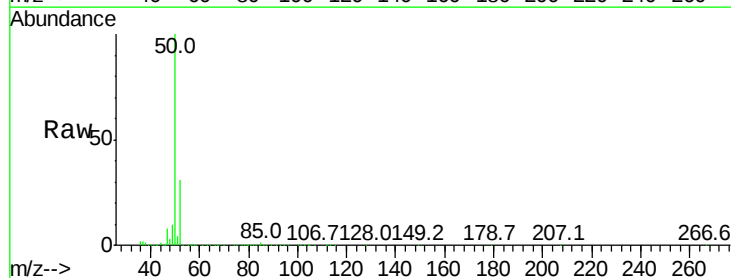
Acq: 24 Feb 2020 11:53

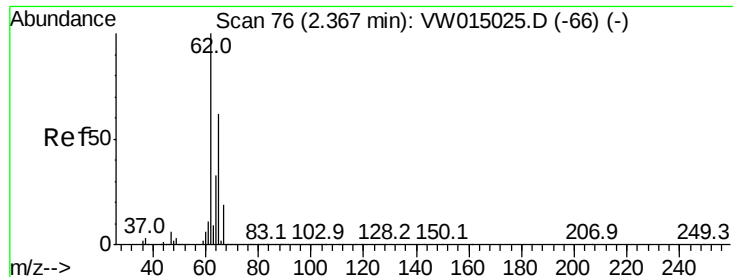
Tgt Ion: 50 Resp: 1405799

Ion Ratio Lower Upper

50 100

52 31.3 22.3 41.5





#5

Vinyl chloride

Concen: 111.032 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Instrument :

MSVOA_W

ClientSampleId :

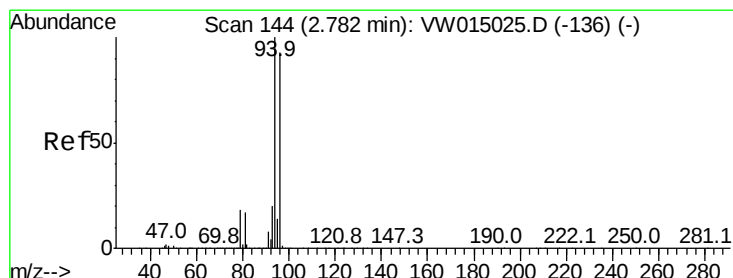
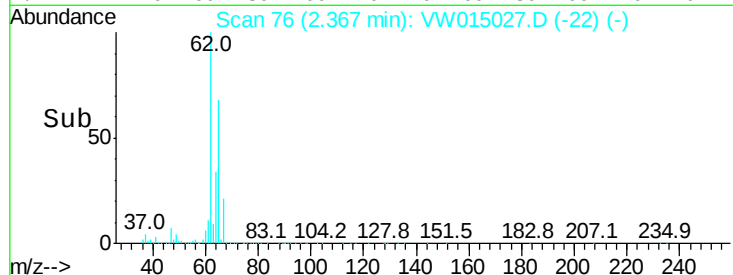
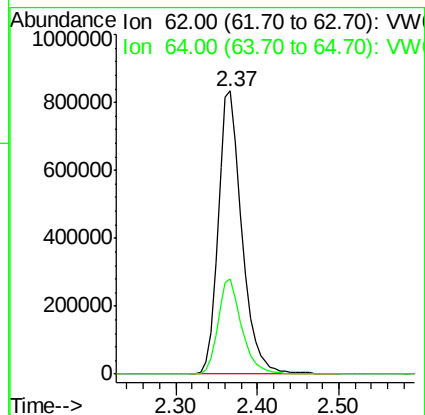
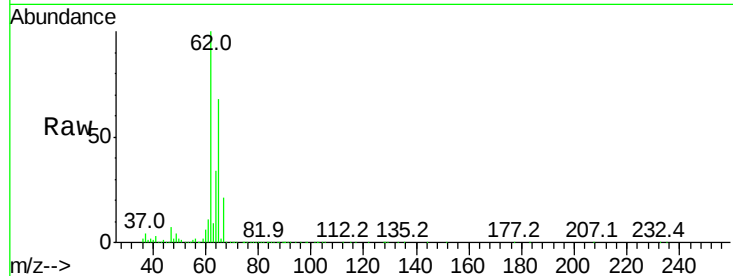
VSTD10005

Tgt Ion: 62 Resp: 1695691

Ion Ratio Lower Upper

62 100

64 33.6 23.0 42.8



#6

Bromomethane

Concen: 99.688 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015027.D

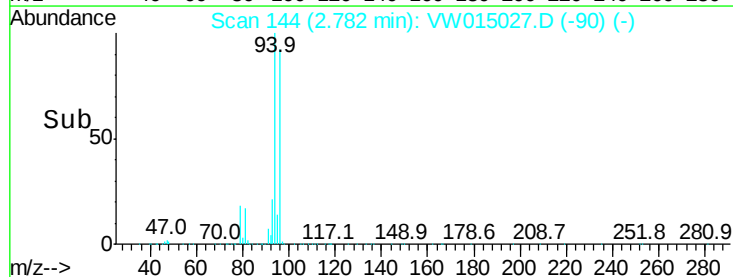
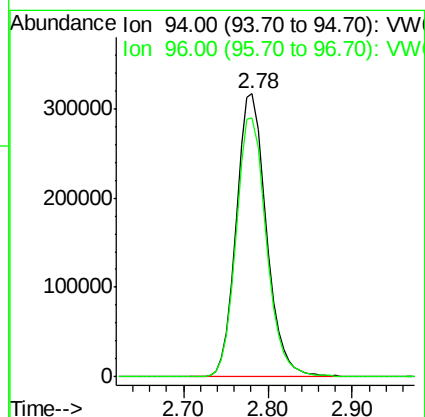
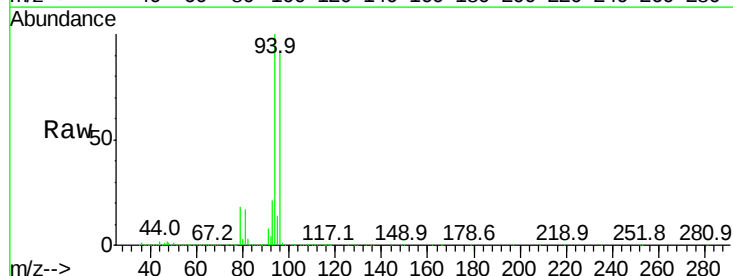
Acq: 24 Feb 2020 11:53

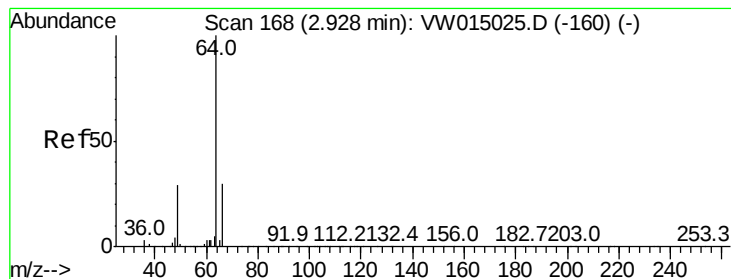
Tgt Ion: 94 Resp: 761282

Ion Ratio Lower Upper

94 100

96 92.2 9.5 179.7





#8

Chloroethane

Concen: 111.758 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Instrument :

MSVOA_W

ClientSampleId :

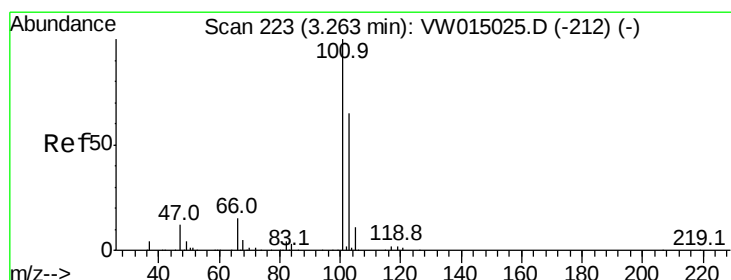
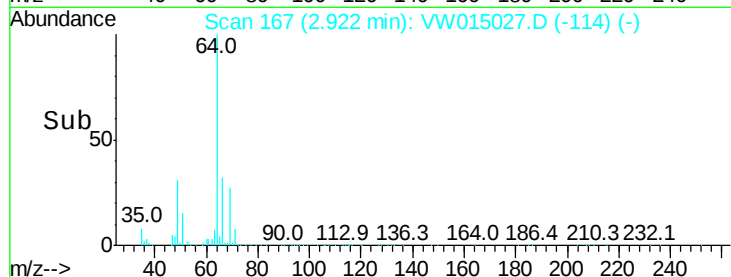
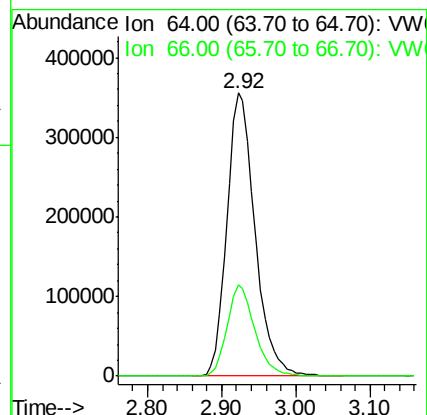
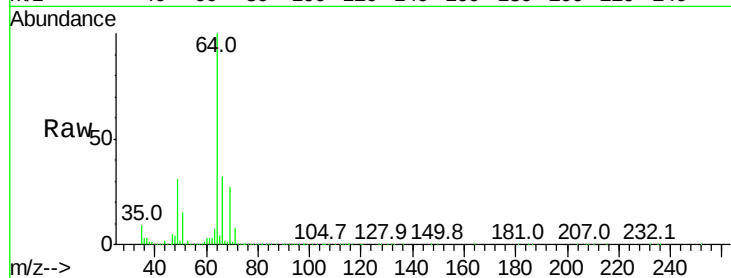
VSTD10005

Tgt Ion: 64 Resp: 933840

Ion Ratio Lower Upper

64 100

66 32.1 21.2 39.4



#9

Trichlorofluoromethane

Concen: 137.567 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW015027.D

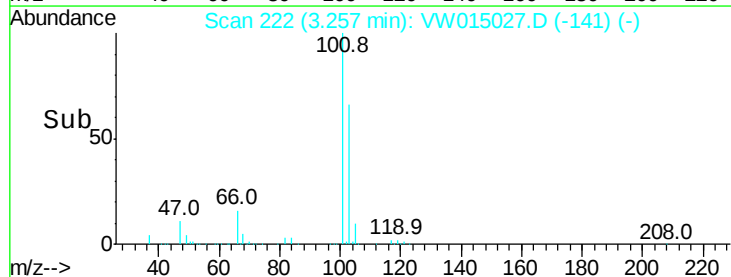
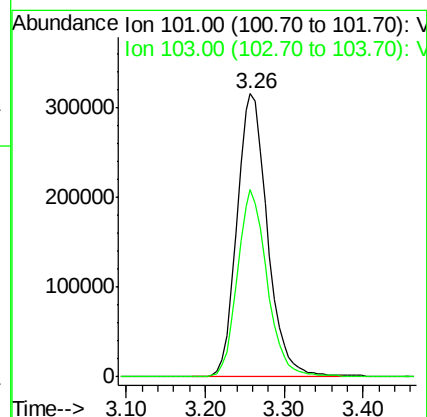
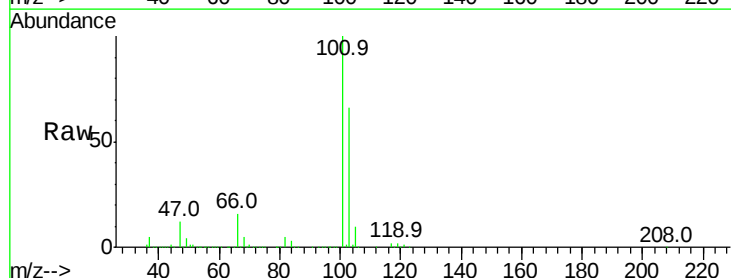
Acq: 24 Feb 2020 11:53

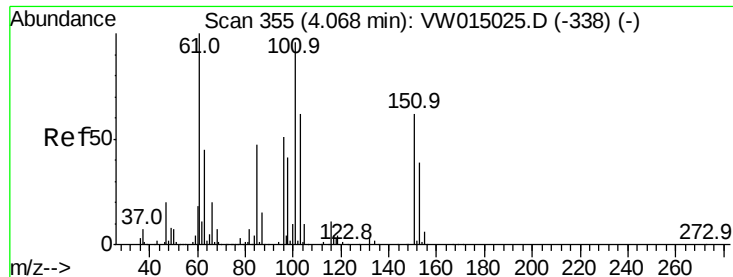
Tgt Ion: 101 Resp: 849275

Ion Ratio Lower Upper

101 100

103 64.0 44.9 83.5





#11

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

Concen: 99.016 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

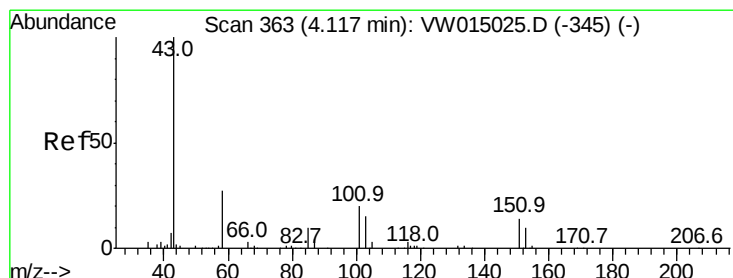
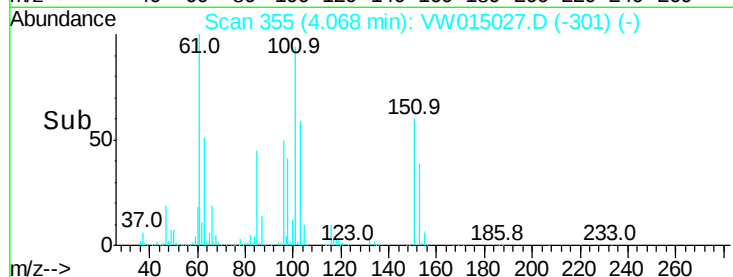
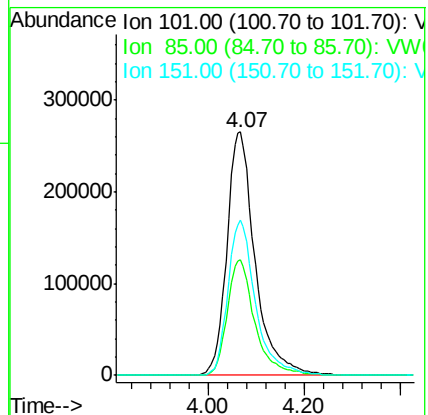
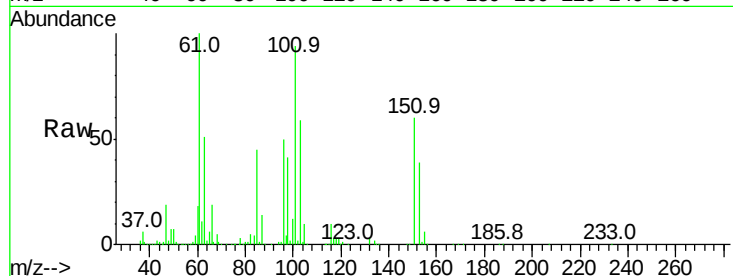
Tgt Ion:101 Resp: 1079059

Ion Ratio Lower Upper

101 100

85 46.6 37.8 56.8

151 62.7 50.3 75.5



#13

Acetone

Concen: 196.747 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW015027.D

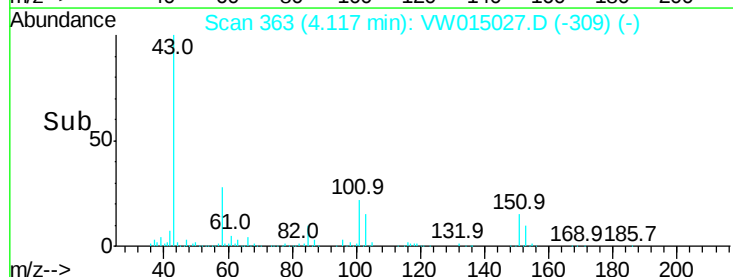
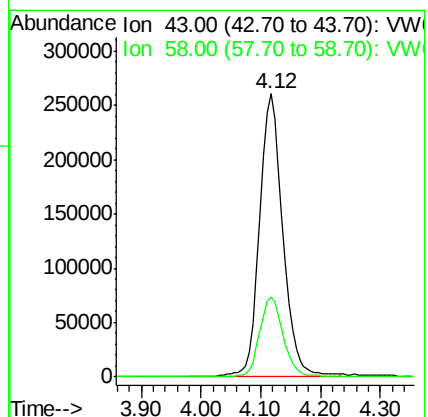
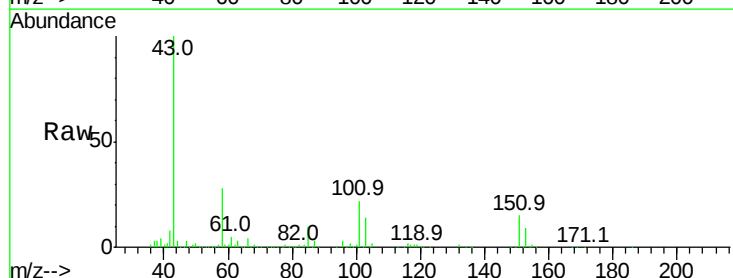
Acq: 24 Feb 2020 11:53

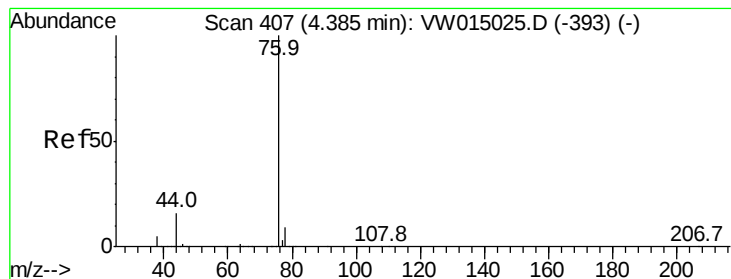
Tgt Ion: 43 Resp: 708421

Ion Ratio Lower Upper

43 100

58 28.5 0.0 54.0





#14

Carbon disulfide

Concen: 120.291 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Instrument :

MSVOA_W

ClientSampleId :

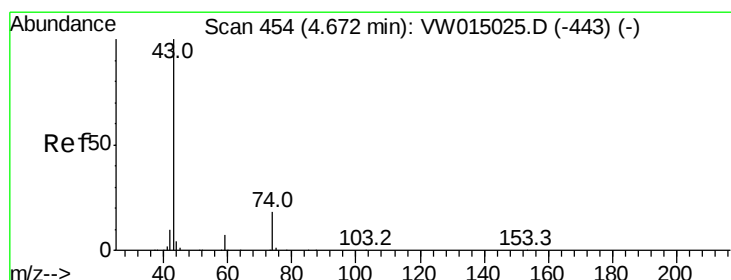
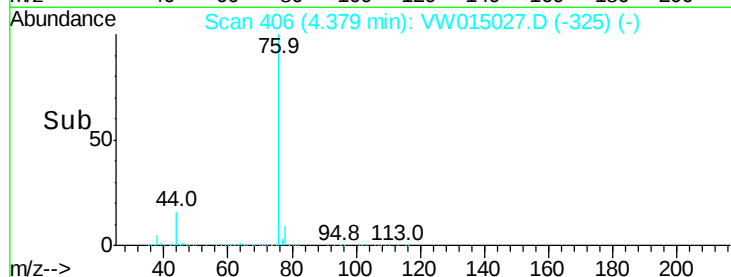
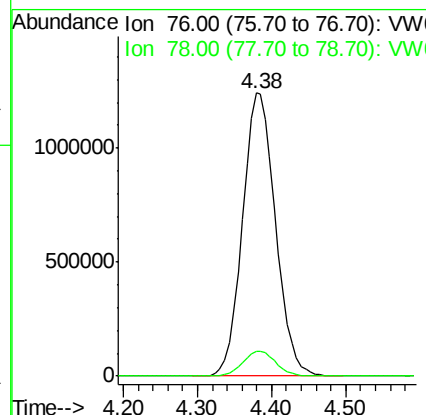
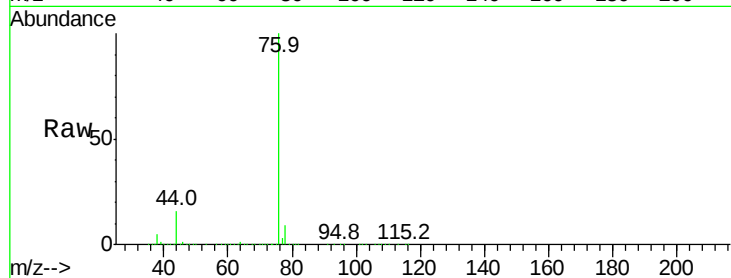
VSTD10005

Tgt Ion: 76 Resp: 3846799

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8



#15

Methyl Acetate

Concen: 104.915 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015027.D

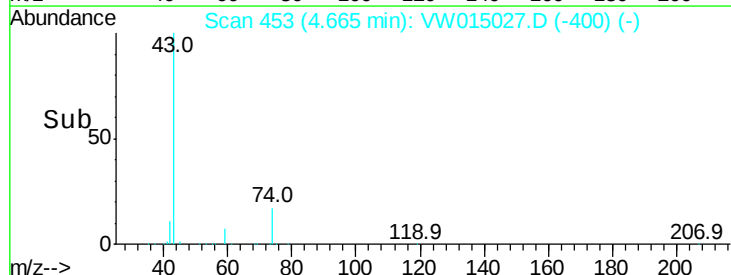
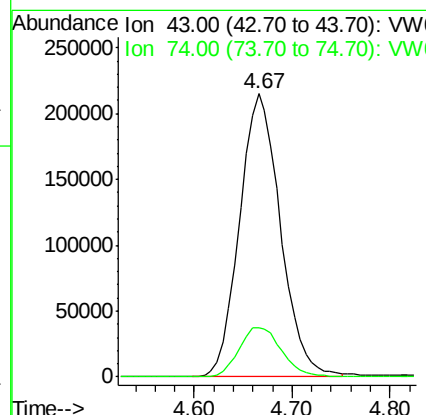
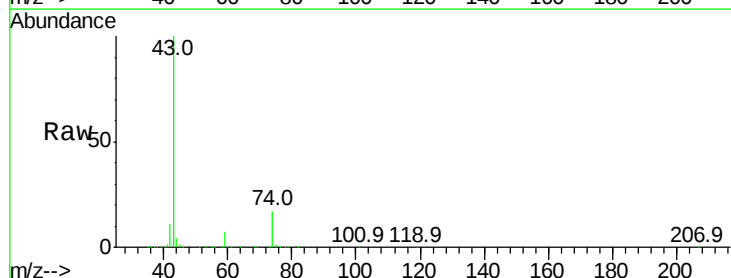
Acq: 24 Feb 2020 11:53

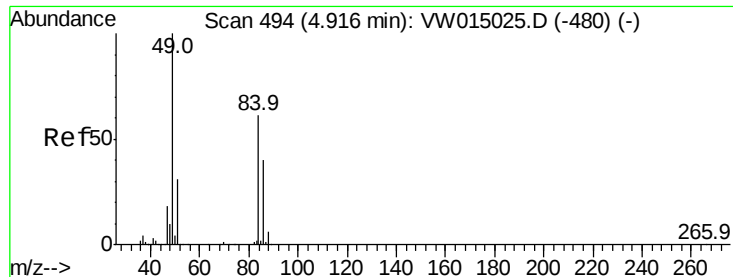
Tgt Ion: 43 Resp: 621639

Ion Ratio Lower Upper

43 100

74 18.2 14.5 21.7

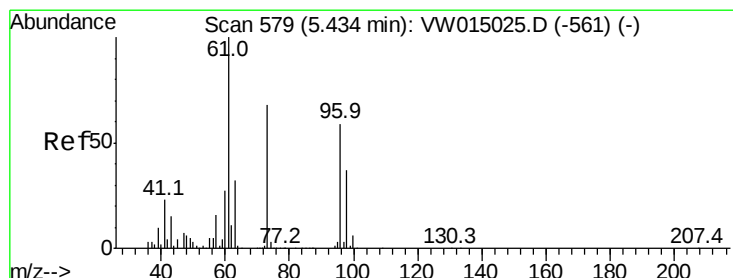
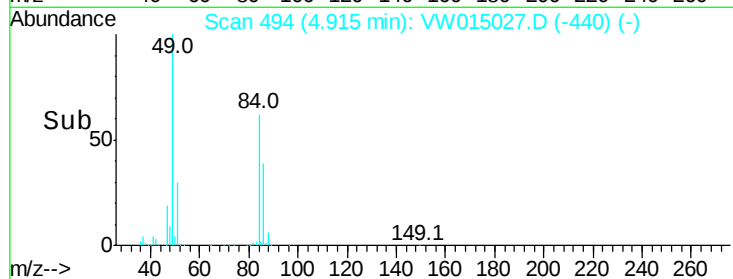
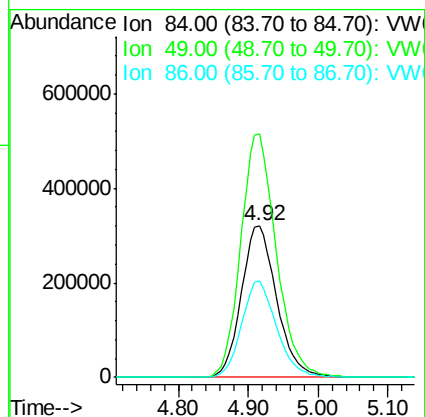
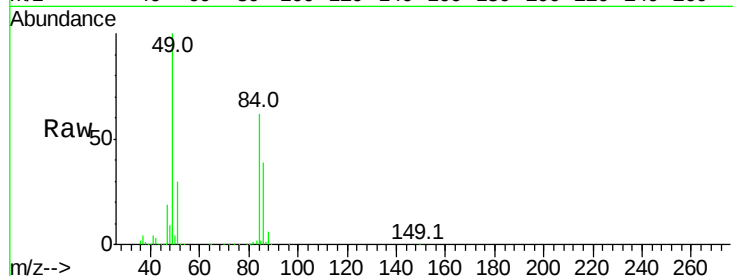




#16
Methylene chloride
Concen: 82.125 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015027.D
Acq: 24 Feb 2020 11:53

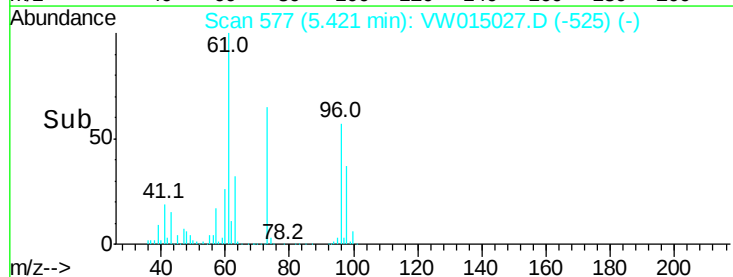
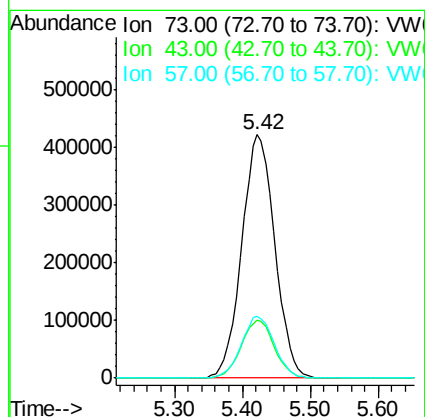
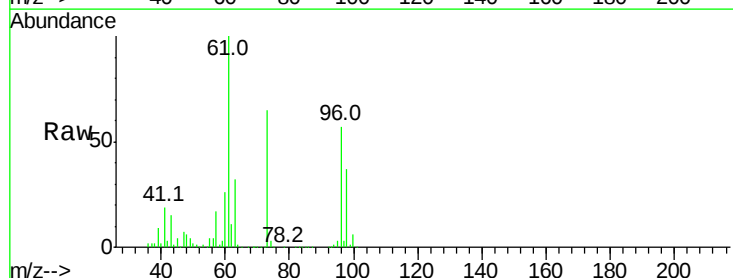
Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

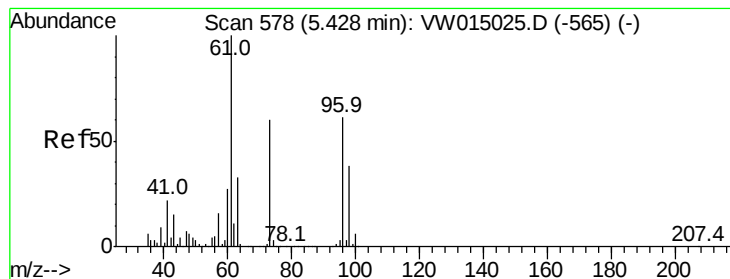
Tgt Ion: 84 Resp: 1123344
Ion Ratio Lower Upper
84 100
49 160.5 115.6 214.8
86 63.2 45.9 85.3



#17
Methyl tert-butyl Ether
Concen: 102.293 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015027.D
Acq: 24 Feb 2020 11:53

Tgt Ion: 73 Resp: 1423353
Ion Ratio Lower Upper
73 100
43 24.0 19.7 29.5
57 25.5 20.4 30.6





#18

trans-1,2-Dichloroethene

Concen: 102.271 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

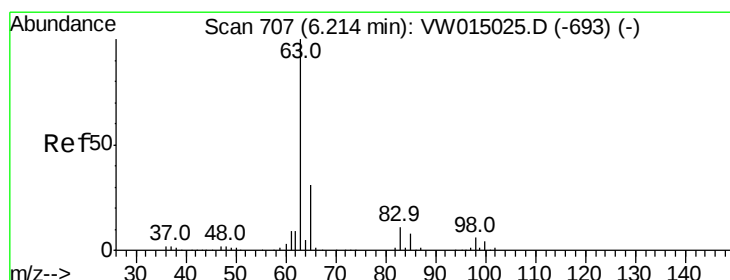
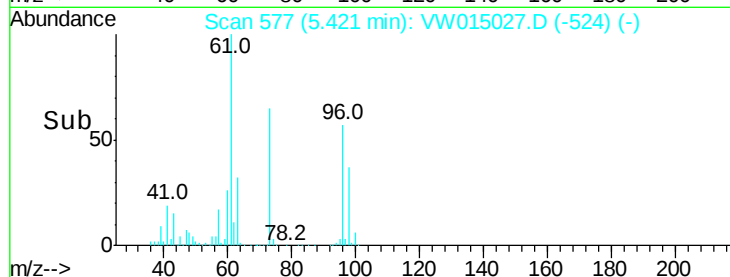
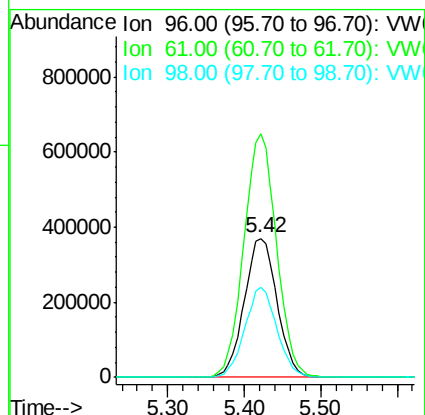
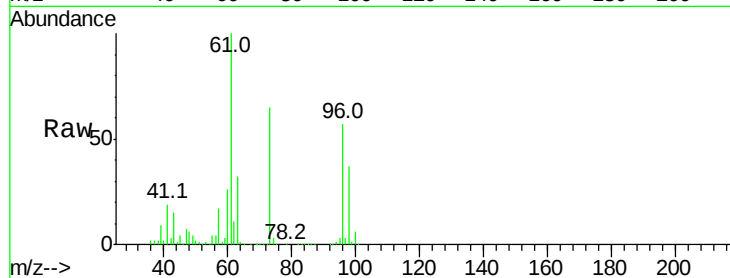
Tgt Ion: 96 Resp: 1103651

Ion Ratio Lower Upper

96 100

61 175.0 115.1 213.8

98 64.8 44.0 81.6



#19

1,1-Dichloroethane

Concen: 108.801 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

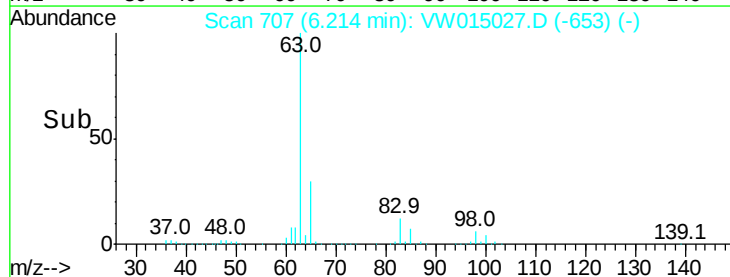
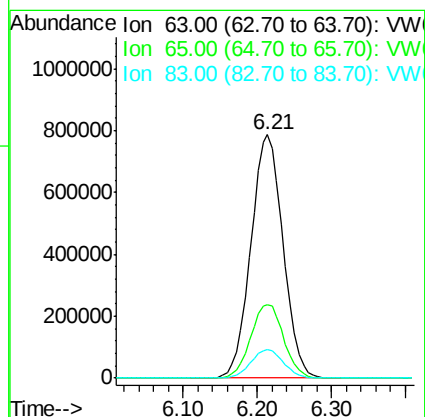
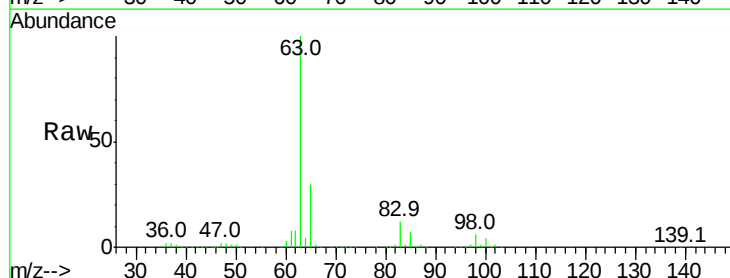
Tgt Ion: 63 Resp: 2378655

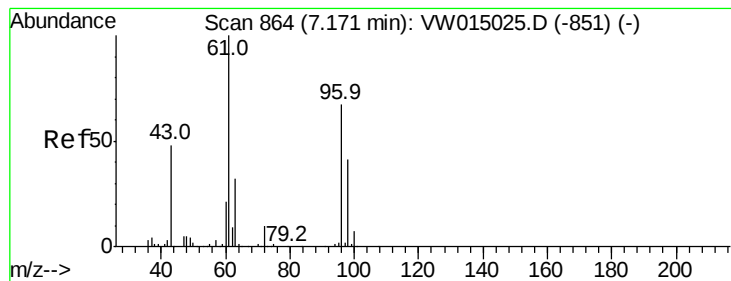
Ion Ratio Lower Upper

63 100

65 30.1 21.9 40.7

83 11.7 7.8 14.6





#21

2-Butanone

Concen: 227.046 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Instrument :

MSVOA_W

ClientSampled :

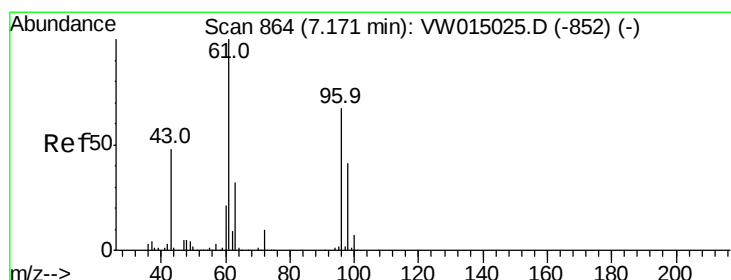
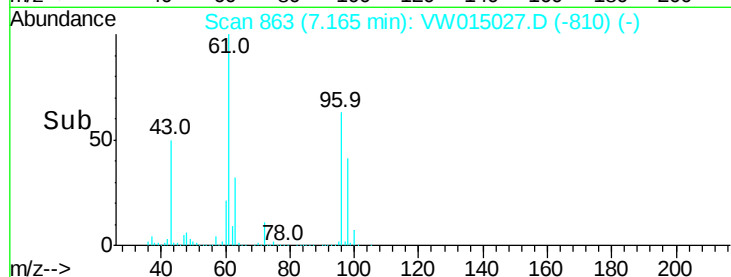
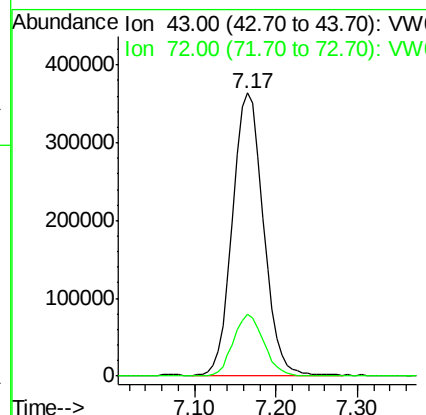
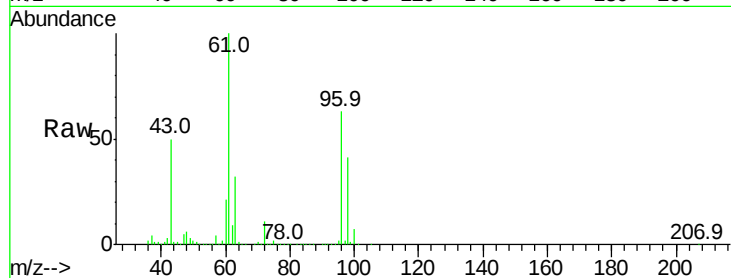
VSTD10005

Tgt Ion: 43 Resp: 957156

Ion Ratio Lower Upper

43 100

72 21.4 10.4 31.4



#22

cis-1,2-Dichloroethene

Concen: 100.861 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

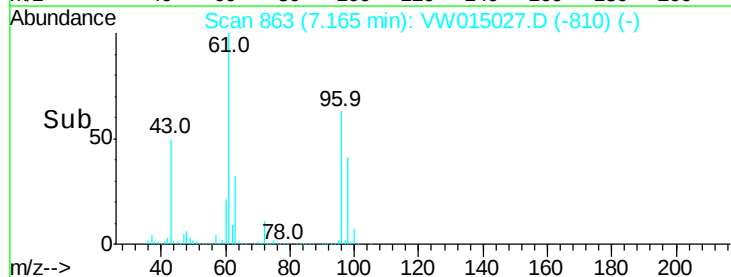
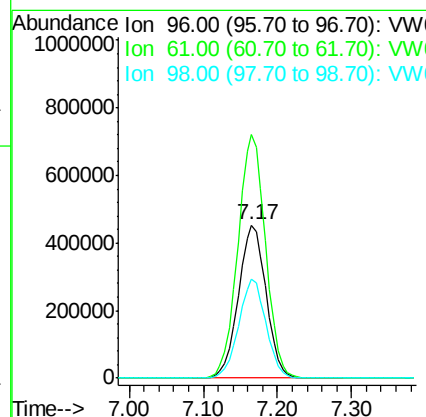
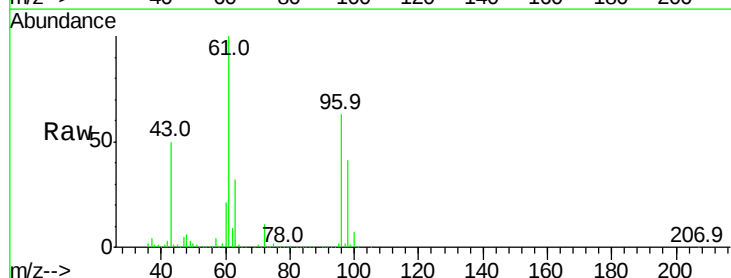
Tgt Ion: 96 Resp: 1177266

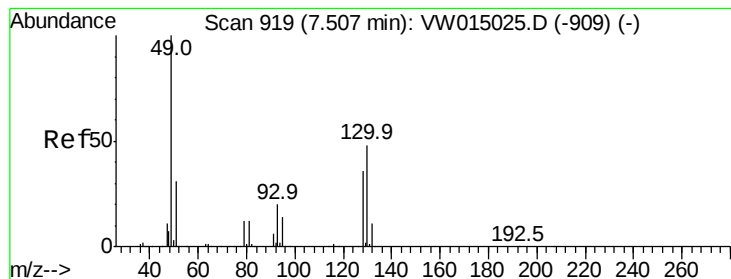
Ion Ratio Lower Upper

96 100

61 159.1 105.2 195.4

98 65.0 42.6 79.2





#23

Bromochloromethane

Concen: 88.897 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Instrument :
MSVOA_W
ClientSampled :
VSTD10005

Tgt Ion:128 Resp: 425722

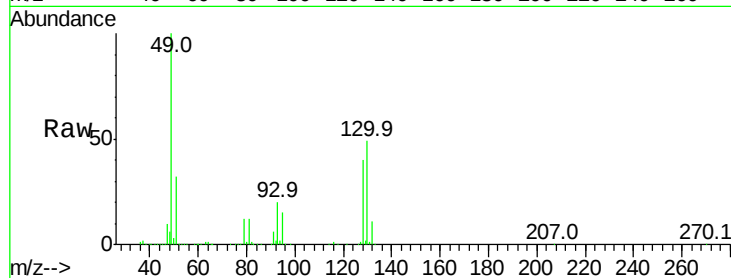
Ion Ratio Lower Upper

128 100

49 253.0 192.7 357.9

130 125.0 92.7 172.1

51 80.1 69.3 103.9

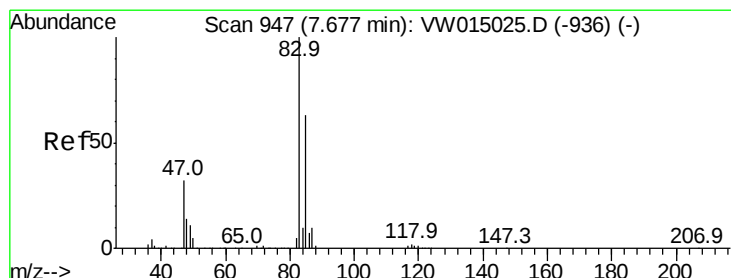
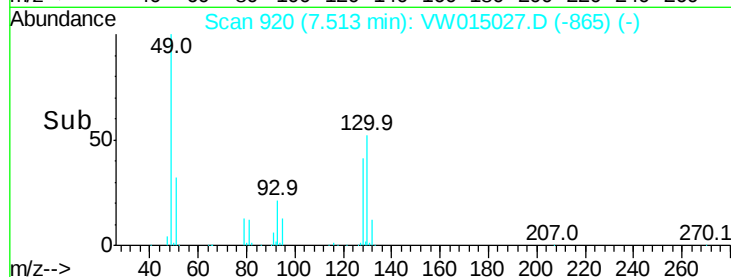
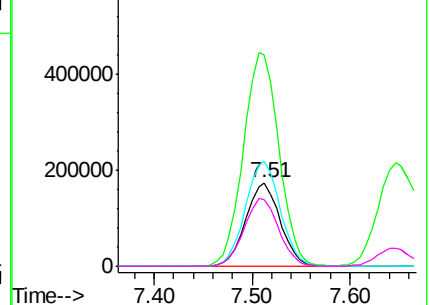


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW



#25

Chloroform

Concen: 102.602 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW015027.D

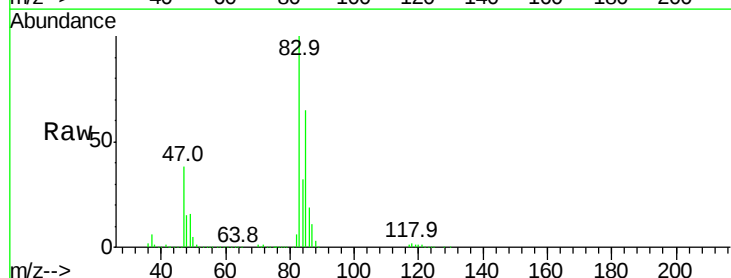
Acq: 24 Feb 2020 11:53

Tgt Ion: 83 Resp: 2060503

Ion Ratio Lower Upper

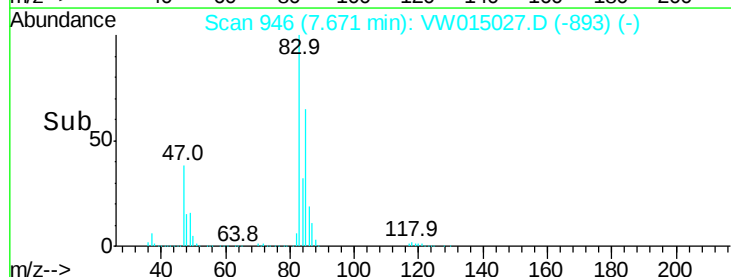
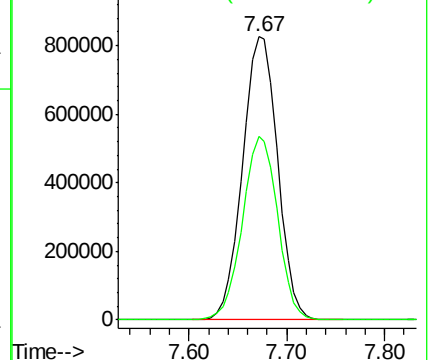
83 100

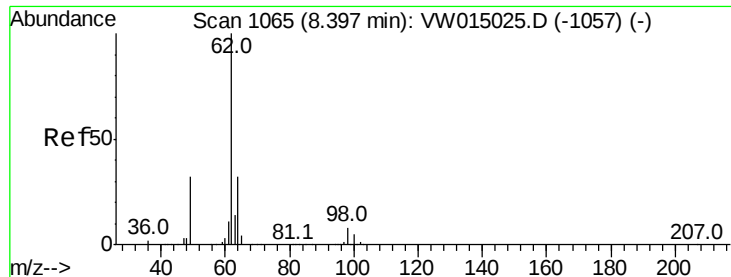
85 64.9 44.9 83.5



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

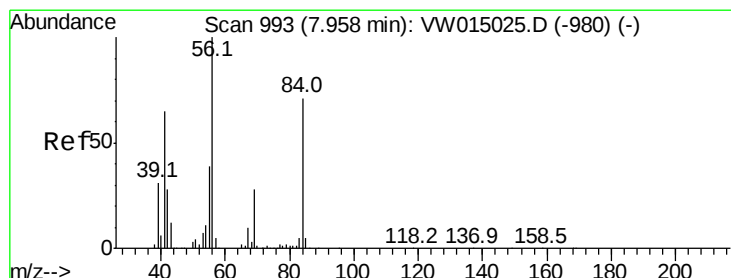
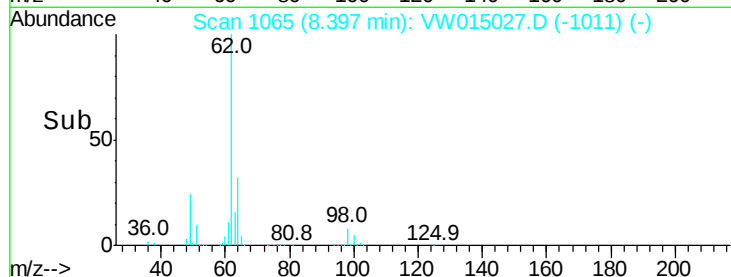
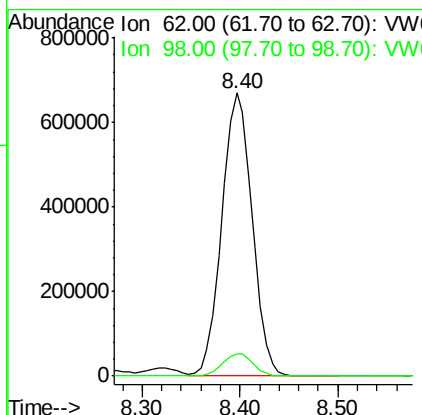
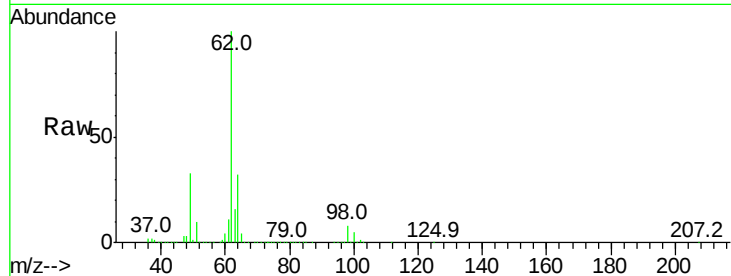




#27
 1,2-Dichloroethane
 Concen: 104.097 ug/L
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW015027.D
 Acq: 24 Feb 2020 11:53

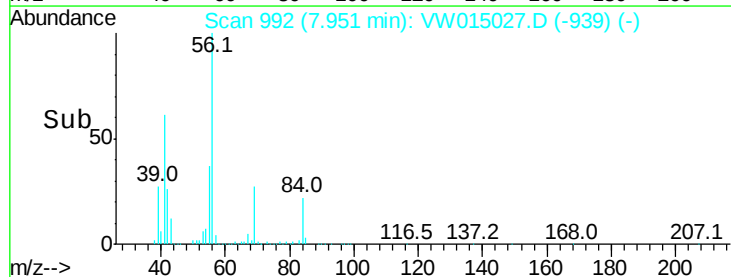
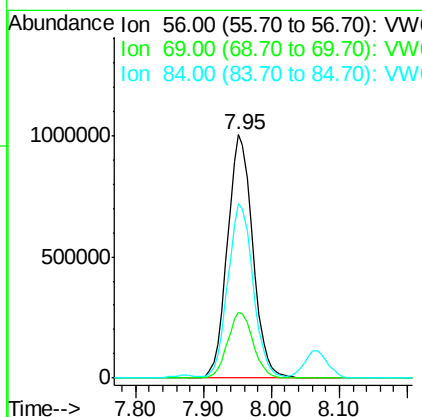
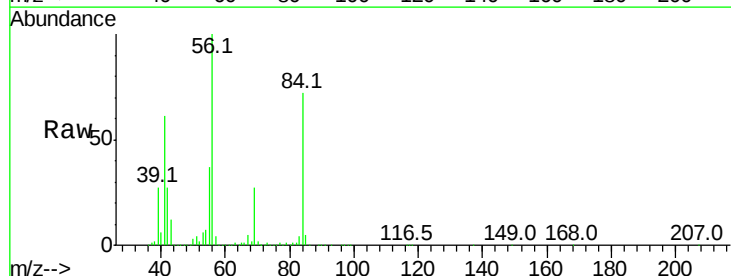
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

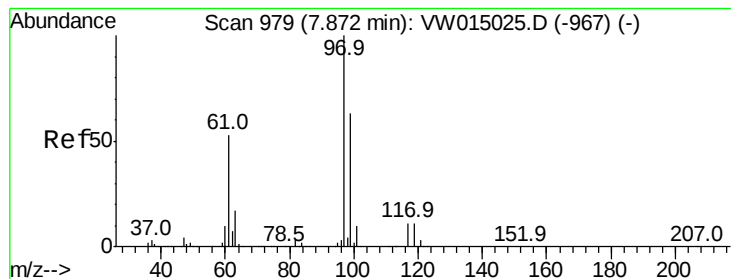
Tgt Ion: 62 Resp: 1441294
 Ion Ratio Lower Upper
 62 100
 98 8.0 6.5 9.7



#30
 Cyclohexane
 Concen: 125.443 ug/L
 RT: 7.95 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VW015027.D
 Acq: 24 Feb 2020 11:53

Tgt Ion: 56 Resp: 2586433
 Ion Ratio Lower Upper
 56 100
 69 27.4 21.8 32.6
 84 71.4 57.3 85.9





#31

1,1,1-Trichloroethane

Concen: 103.411 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

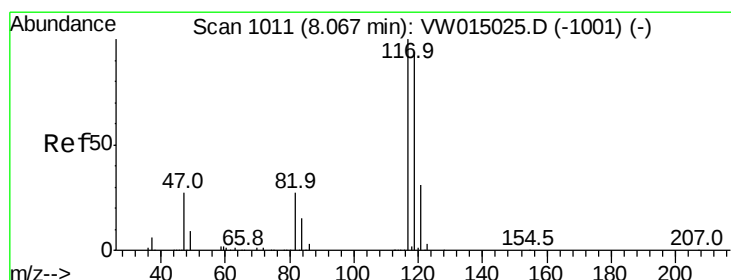
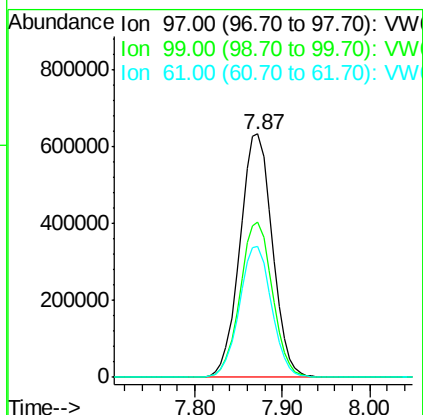
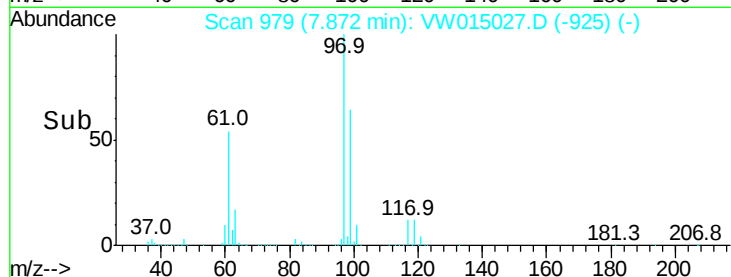
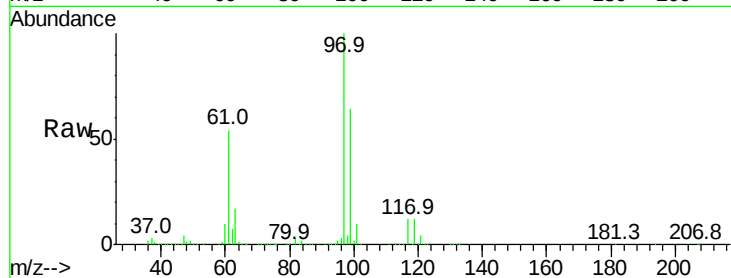
Tgt Ion: 97 Resp: 1631645

Ion Ratio Lower Upper

97 100

99 63.6 50.6 76.0

61 53.6 43.1 64.7



#32

Carbon tetrachloride

Concen: 104.326 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015027.D

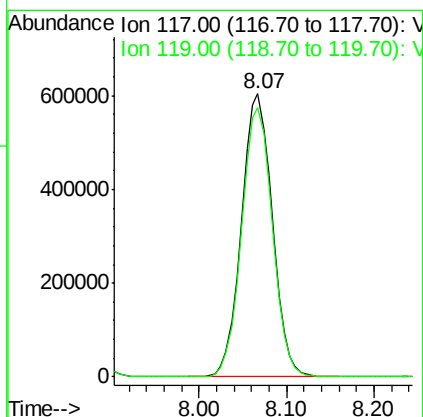
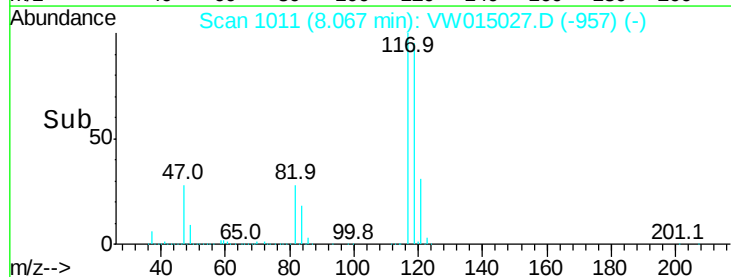
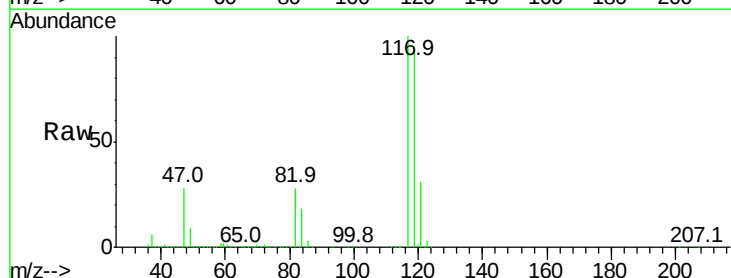
Acq: 24 Feb 2020 11:53

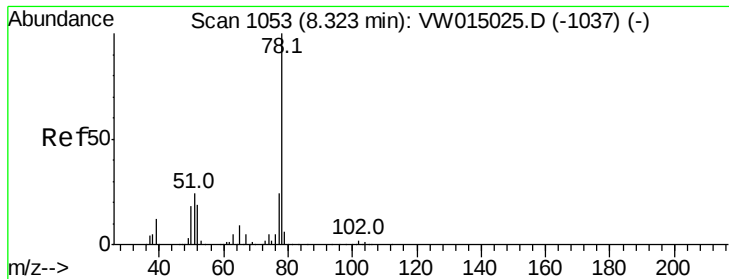
Tgt Ion: 117 Resp: 1479678

Ion Ratio Lower Upper

117 100

119 95.4 76.3 114.5





#34

Benzene

Concen: 102.219 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

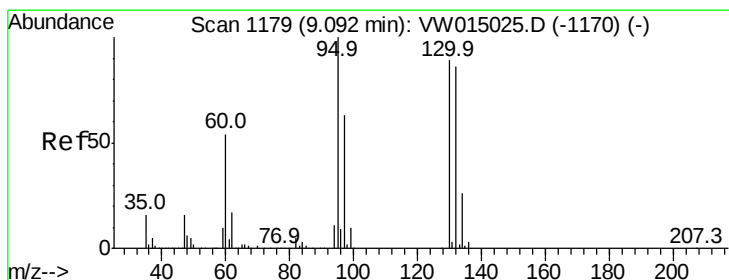
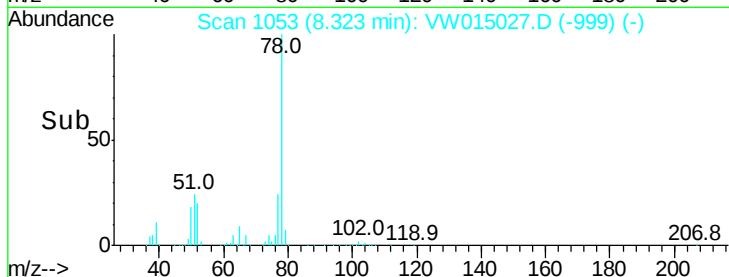
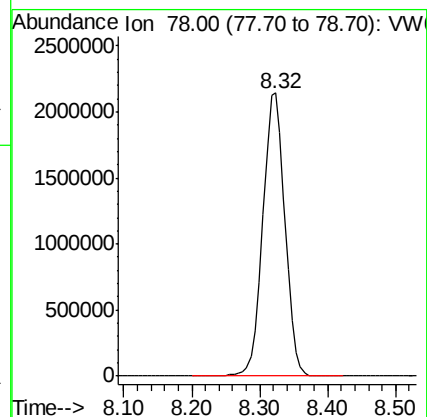
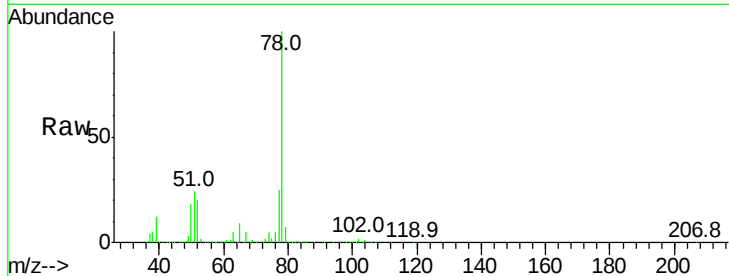
Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

Tgt Ion: 78 Resp: 4864010



#35

Trichloroethene

Concen: 99.248 ug/L

RT: 9.09 min Scan# 1178

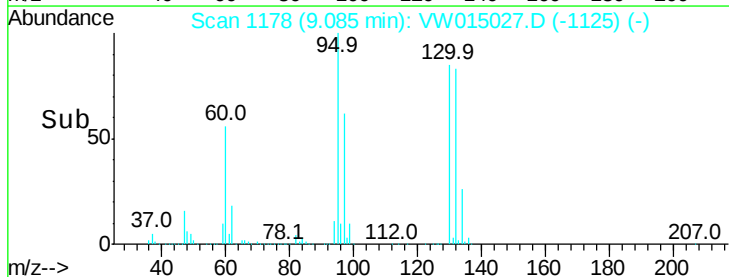
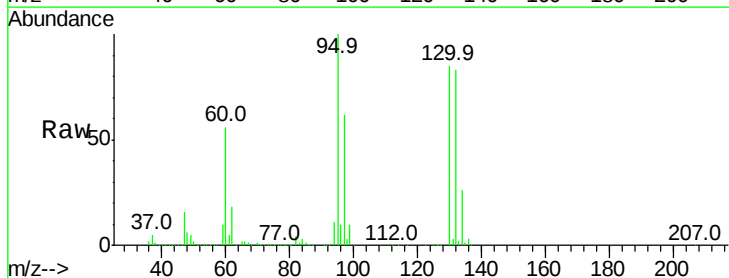
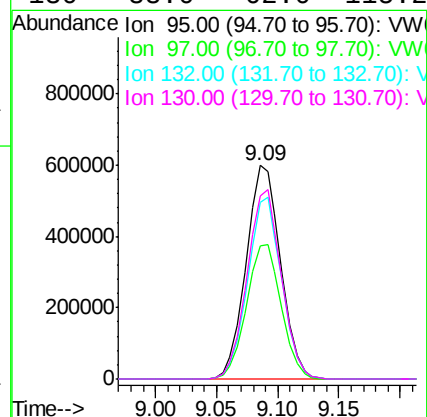
Delta R.T. -0.01 min

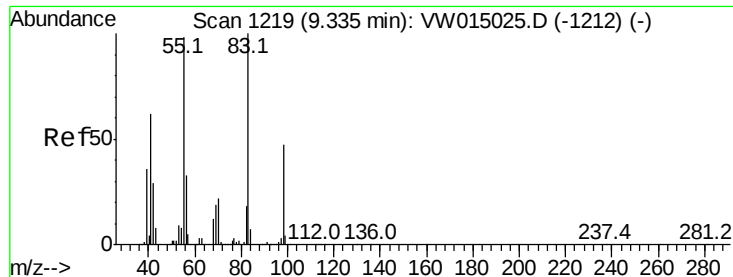
Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Tgt Ion: 95 Resp: 1170638

Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.7	83.1
132	83.9	58.1	107.9
130	88.0	62.0	115.2

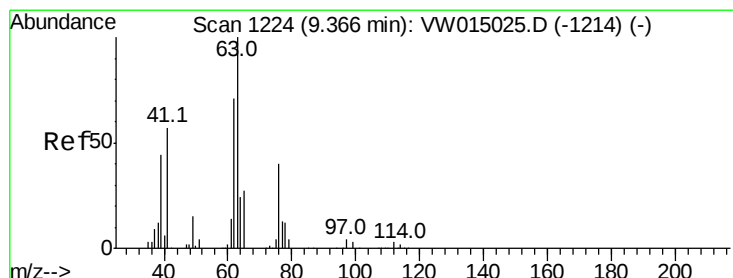
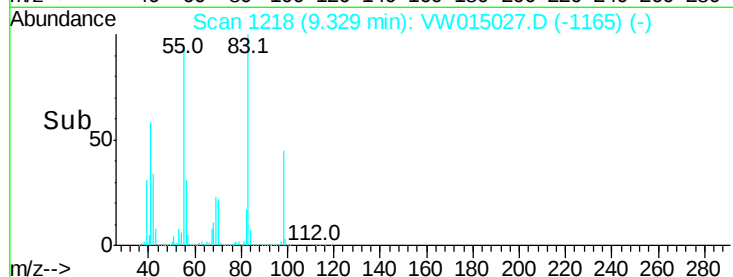
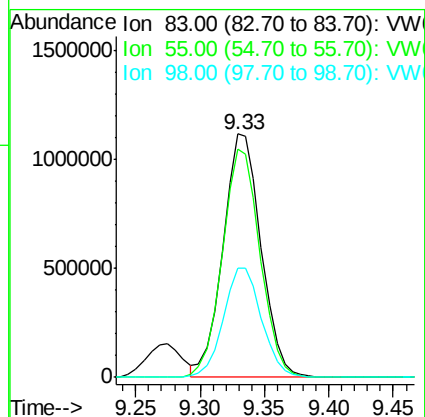
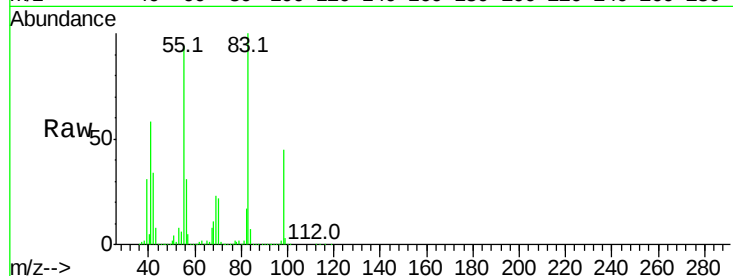




#36
Methylcyclohexane
Concen: 112.103 ug/L
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW015027.D
Acq: 24 Feb 2020 11:53

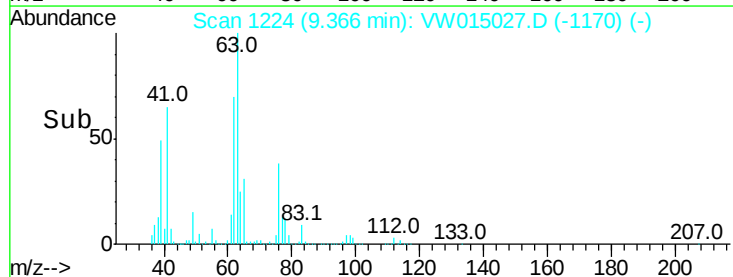
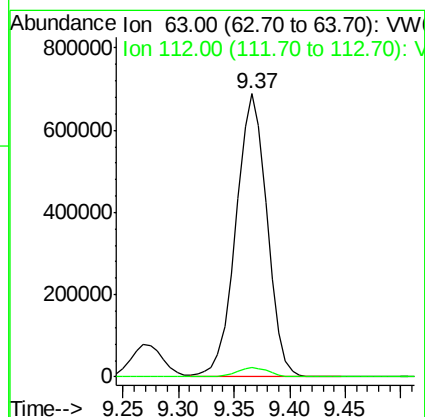
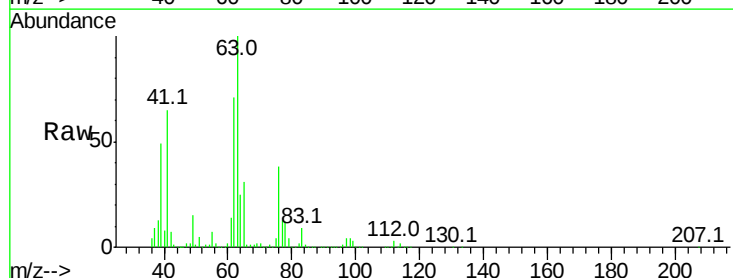
Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

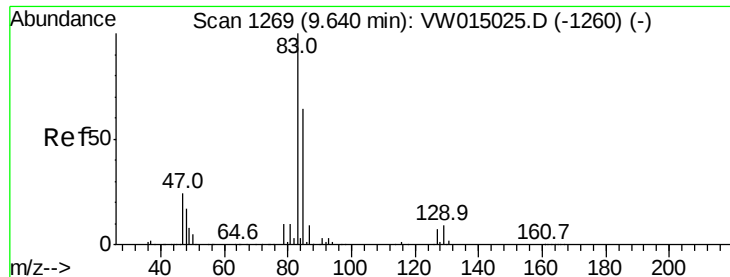
Tgt Ion: 83 Resp: 2303311
Ion Ratio Lower Upper
83 100
55 93.4 76.6 115.0
98 45.1 36.6 54.8



#40
1,2-Dichloropropane
Concen: 104.654 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW015027.D
Acq: 24 Feb 2020 11:53

Tgt Ion: 63 Resp: 1332651
Ion Ratio Lower Upper
63 100
112 3.3 2.8 4.2





#41

Bromodichloromethane

Concen: 102.908 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

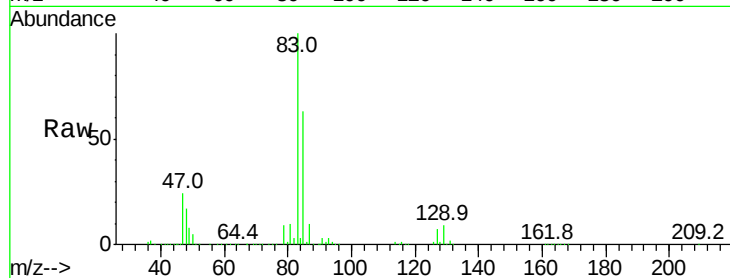
Tgt Ion: 83 Resp: 1501814

Ion Ratio Lower Upper

83 100

85 63.3 44.7 83.1

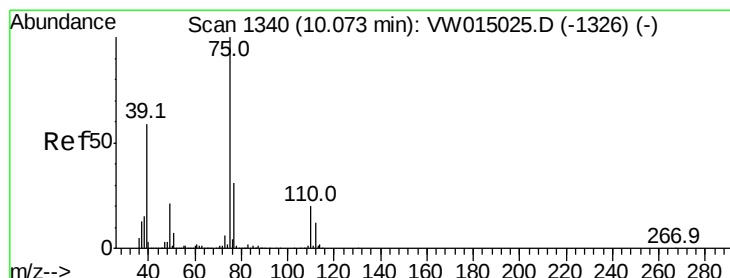
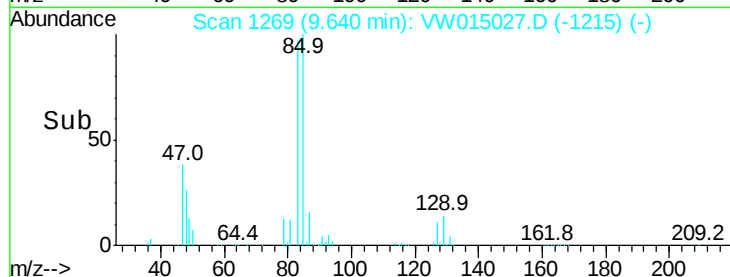
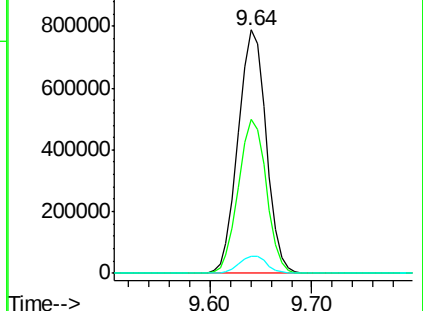
127 7.1 5.4 8.0



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW



#42

cis-1,3-Dichloropropene

Concen: 110.060 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015027.D

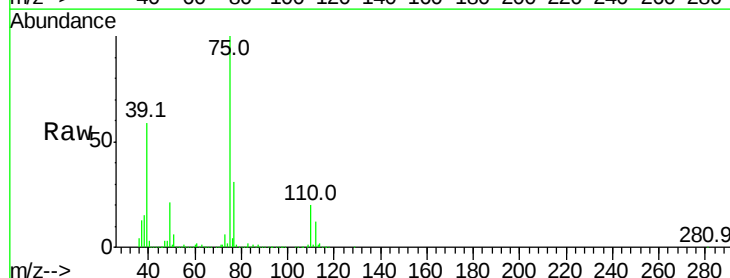
Acq: 24 Feb 2020 11:53

Tgt Ion: 75 Resp: 1990098

Ion Ratio Lower Upper

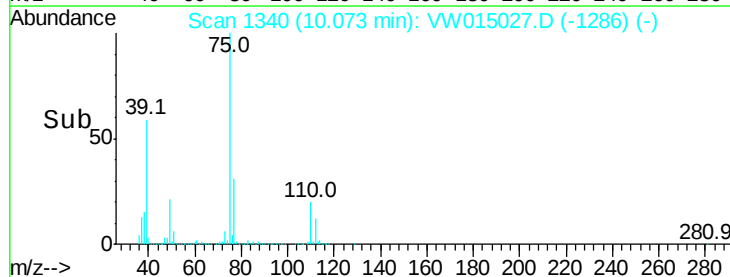
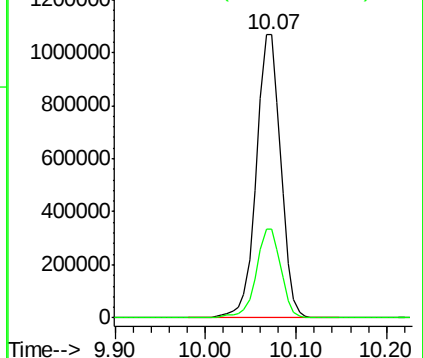
75 100

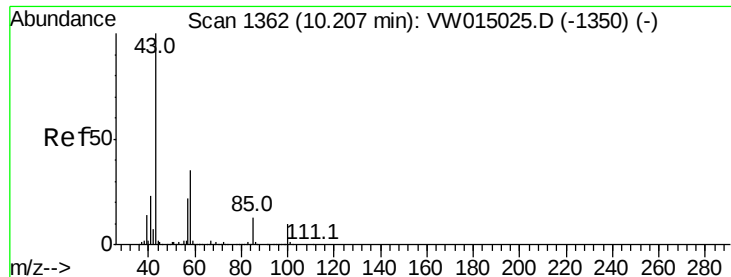
77 31.2 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

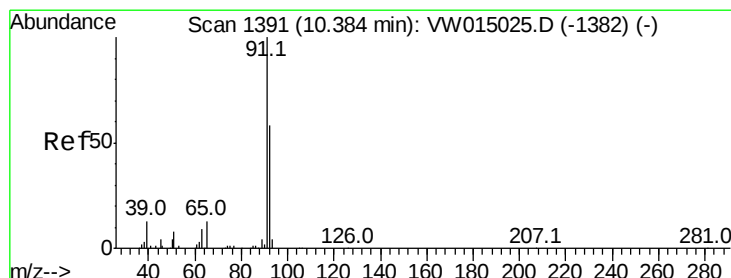
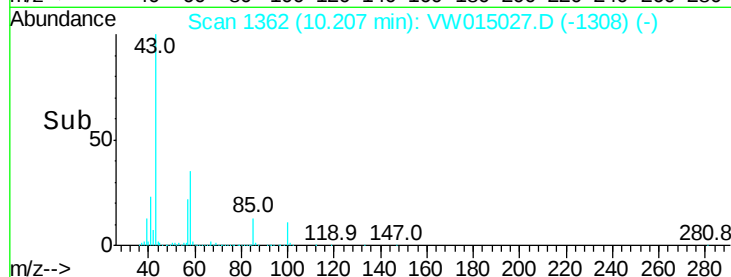
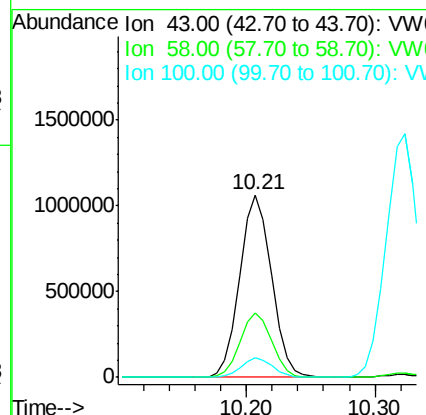
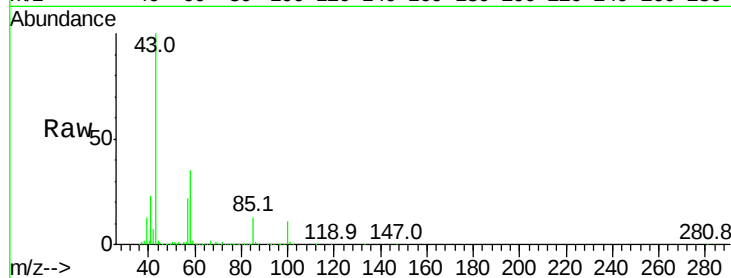




#43
 4-Methyl-2-pentanone
 Concen: 217.957 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW015027.D
 Acq: 24 Feb 2020 11:53

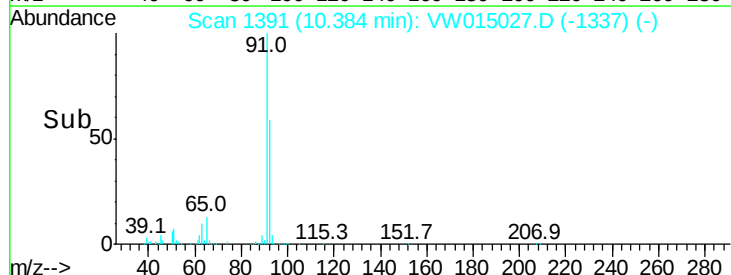
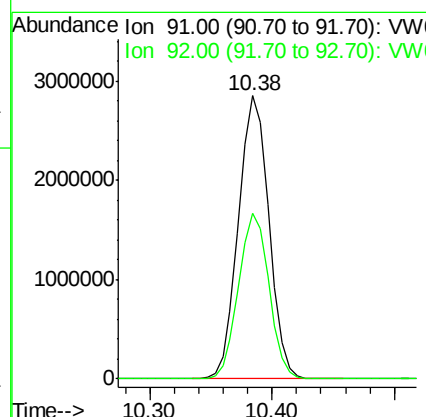
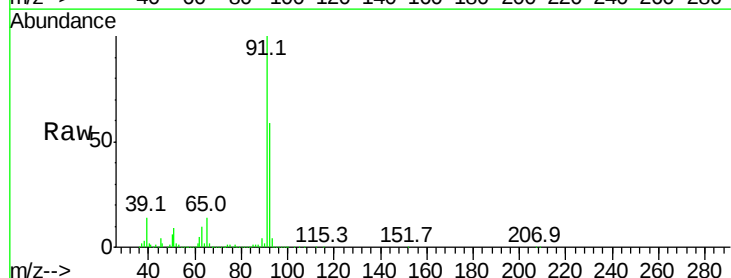
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

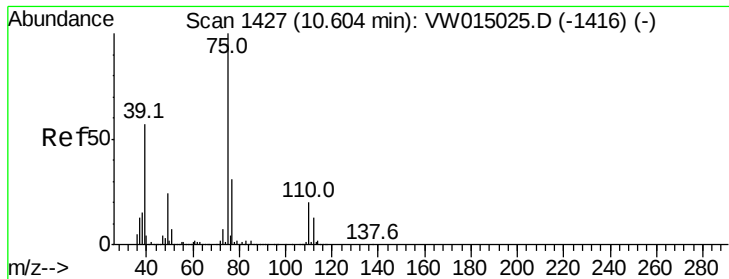
Tgt Ion: 43 Resp: 1819911
 Ion Ratio Lower Upper
 43 100
 58 35.2 27.6 41.4
 100 10.7 8.6 13.0



#44
 Toluene
 Concen: 101.793 ug/L
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW015027.D
 Acq: 24 Feb 2020 11:53

Tgt Ion: 91 Resp: 4917279
 Ion Ratio Lower Upper
 91 100
 92 58.7 40.5 75.1





#45

trans-1,3-Dichloropropene

Concen: 107.799 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Instrument :

MSVOA_W

ClientSampled :

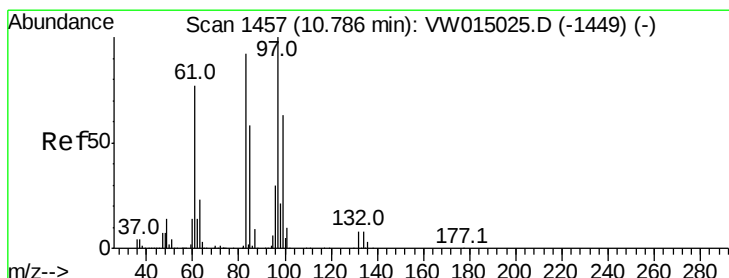
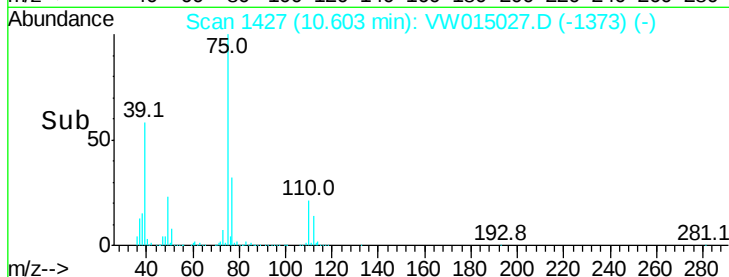
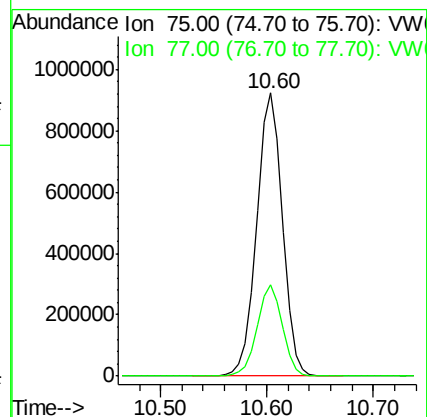
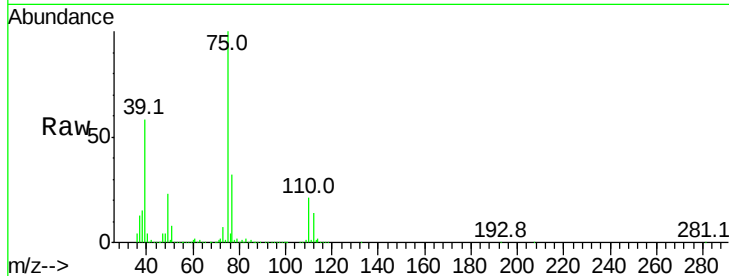
VSTD10005

Tgt Ion: 75 Resp: 1569669

Ion Ratio Lower Upper

75 100

77 32.2 21.6 40.2



#46

1,1,2-Trichloroethane

Concen: 89.902 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Tgt Ion: 97 Resp: 753620

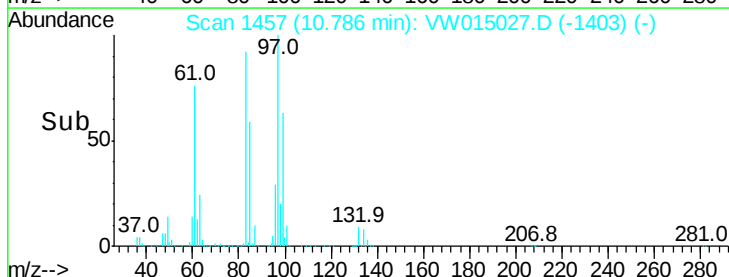
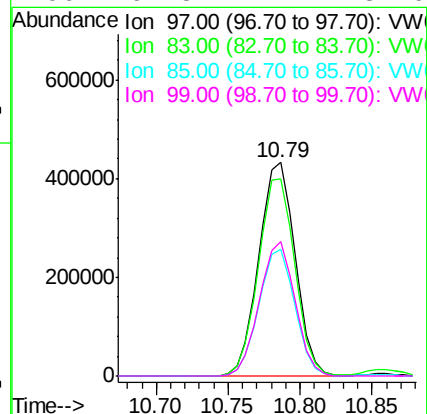
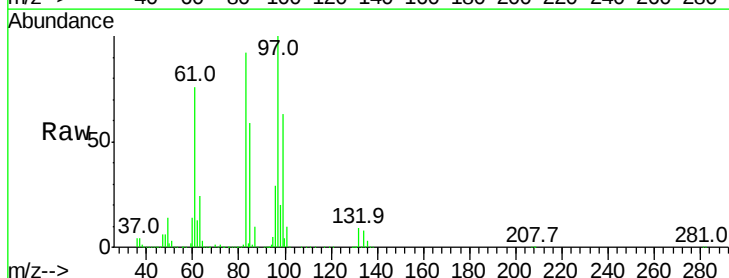
Ion Ratio Lower Upper

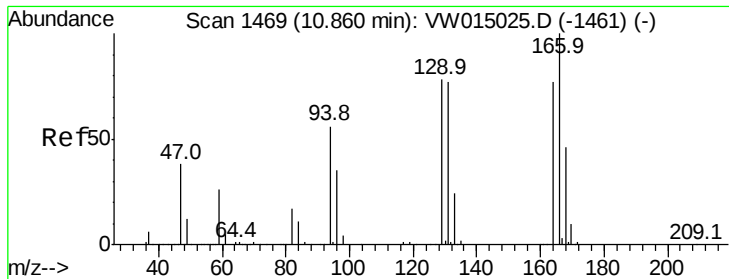
97 100

83 92.4 64.4 119.6

85 59.2 40.9 75.9

99 62.8 44.1 81.9





#47

Tetrachloroethene

Concen: 87.029 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

Tgt Ion:164 Resp: 754262

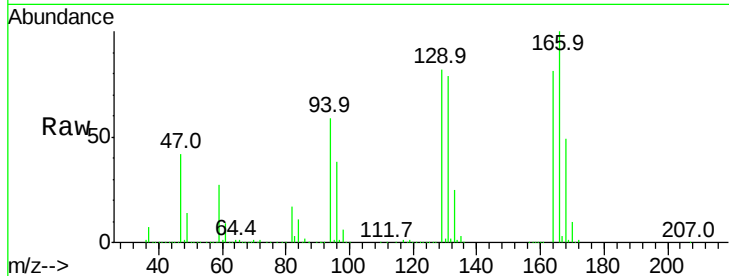
Ion Ratio Lower Upper

164 100

129 100.5 71.7 133.1

131 96.9 70.1 130.3

166 123.2 91.3 169.6

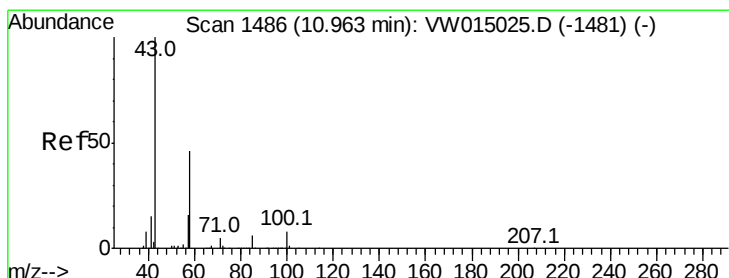
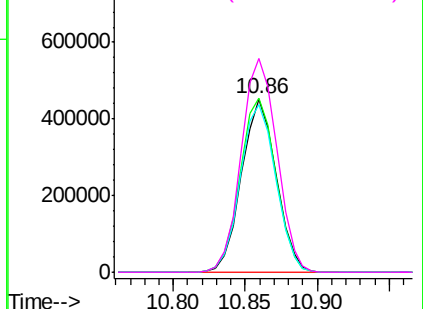
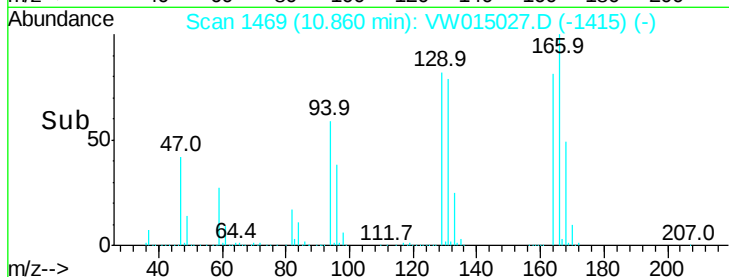


Abundance Ion 164.00 (163.70 to 164.70): V

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: 232.146 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Tgt Ion: 43 Resp: 1361557

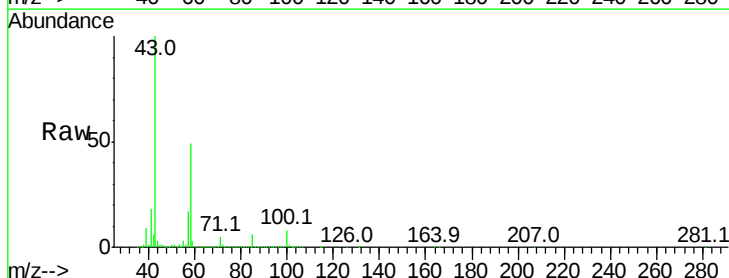
Ion Ratio Lower Upper

43 100

58 49.4 38.9 58.3

57 17.0 13.4 20.2

100 8.4 6.7 10.1

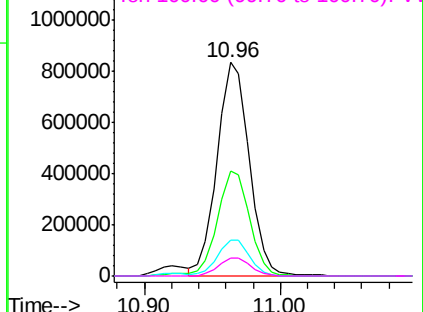
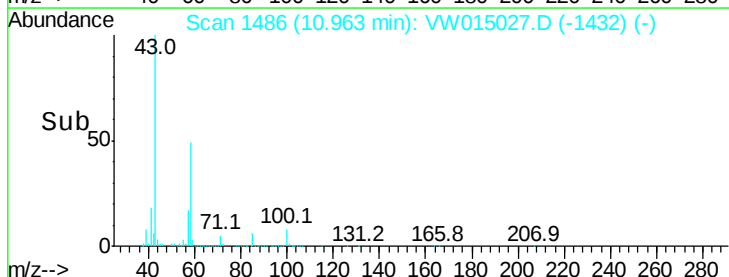


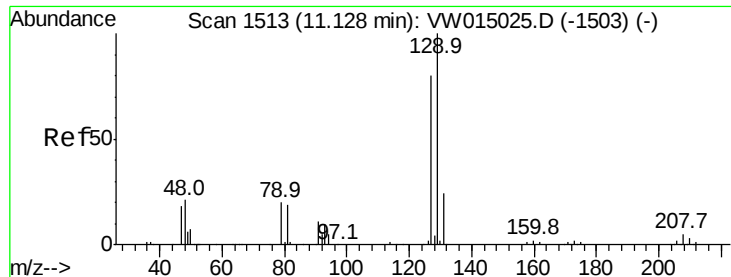
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

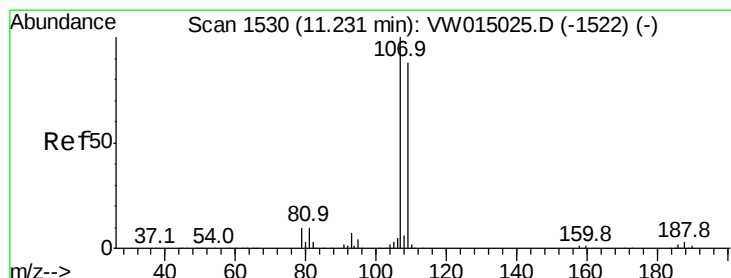
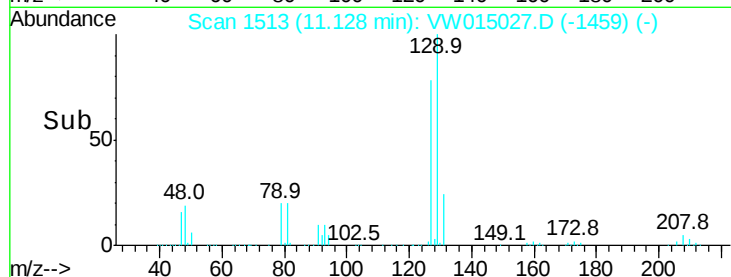
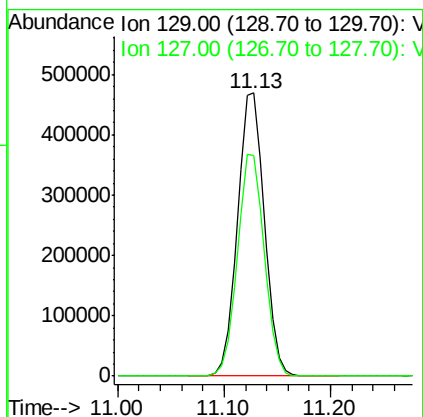
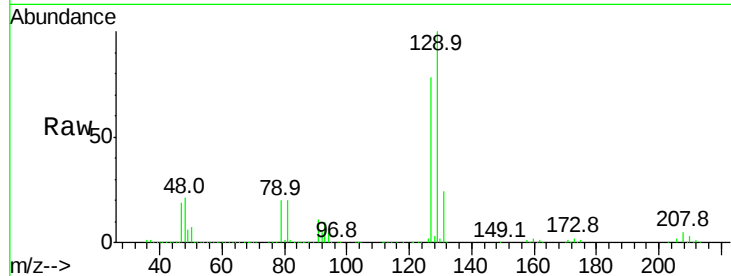




#50
Dibromochloromethane
Concen: 92.495 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015027.D
Acq: 24 Feb 2020 11:53

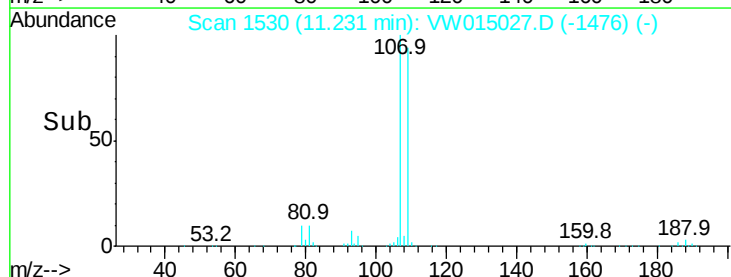
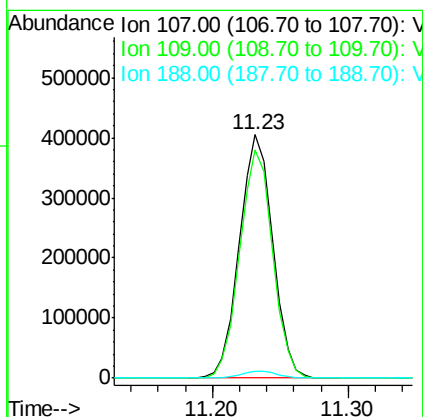
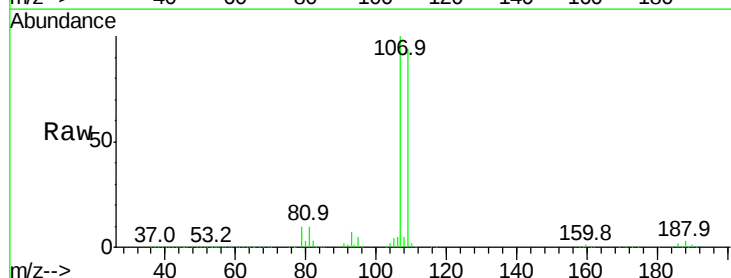
Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

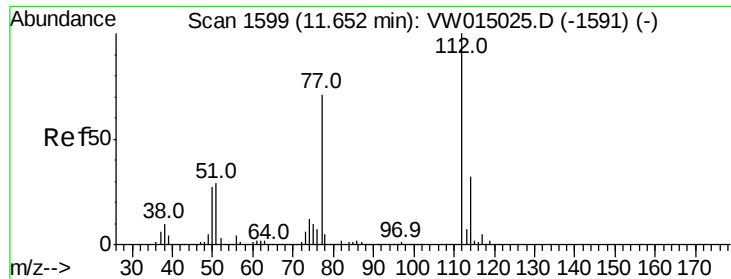
Tgt Ion:129 Resp: 833322
Ion Ratio Lower Upper
129 100
127 78.1 56.4 104.7



#51
1,2-Dibromoethane
Concen: 88.892 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW015027.D
Acq: 24 Feb 2020 11:53

Tgt Ion:107 Resp: 693327
Ion Ratio Lower Upper
107 100
109 93.6 61.9 114.9
188 2.9 2.5 3.7





#52

Chlorobenzene

Concen: 93.572 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

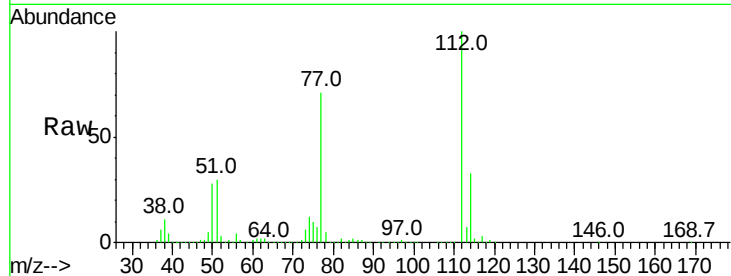
Tgt Ion: 112 Resp: 2763627

Ion Ratio Lower Upper

112 100

77 71.3 57.0 85.6

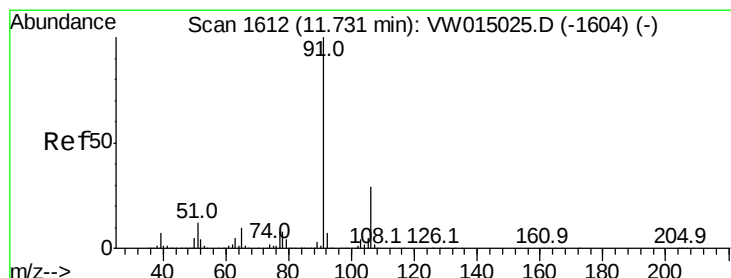
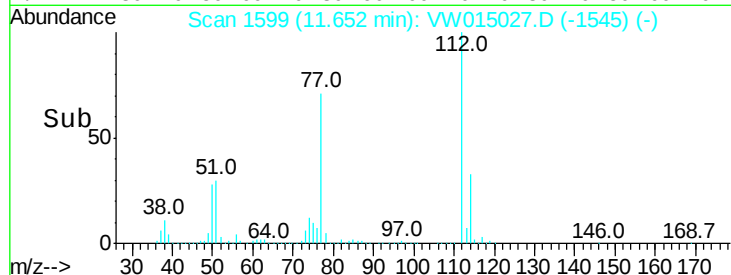
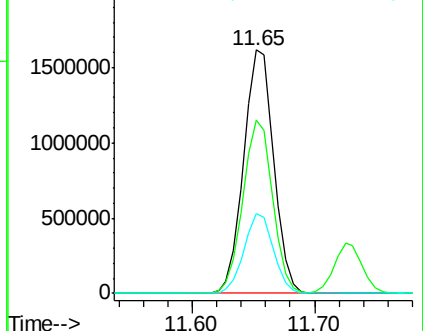
114 33.0 22.5 41.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 106.037 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW015027.D

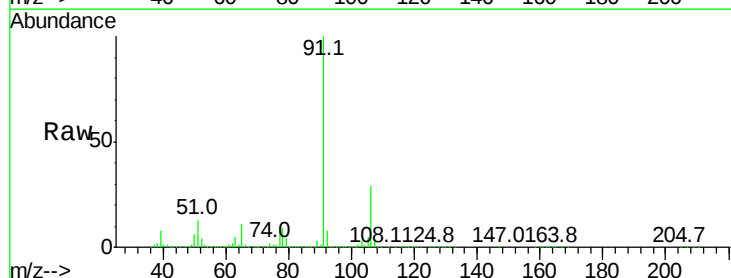
Acq: 24 Feb 2020 11:53

Tgt Ion: 91 Resp: 5603748

Ion Ratio Lower Upper

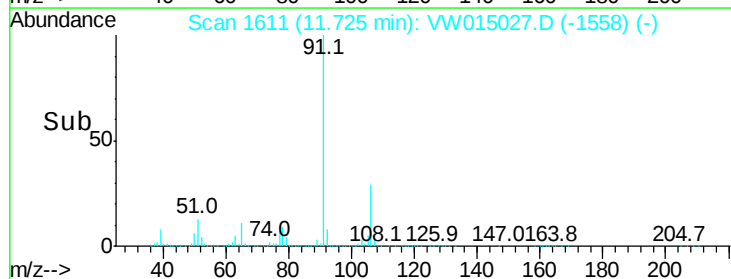
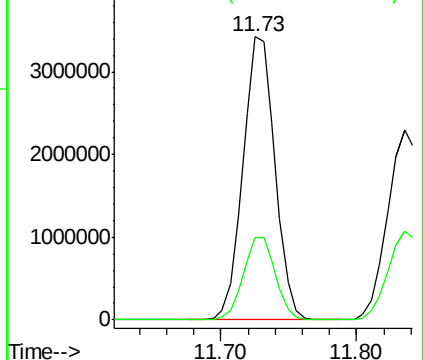
91 100

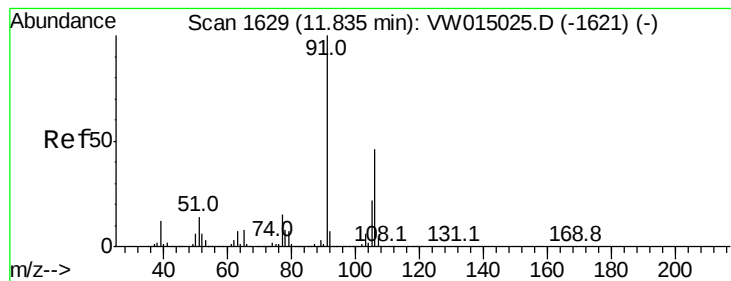
106 29.2 20.1 37.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 103.741 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Instrument :

MSVOA_W

ClientSampled :

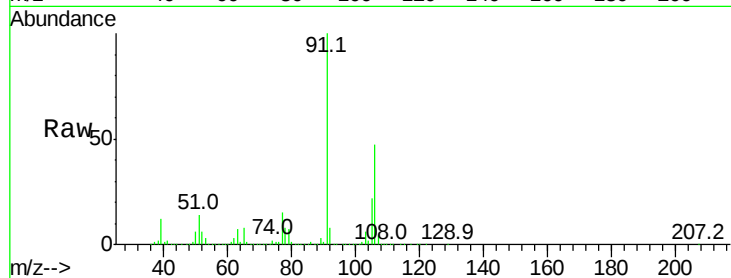
VSTD10005

Tgt Ion:106 Resp: 2002574

Ion Ratio Lower Upper

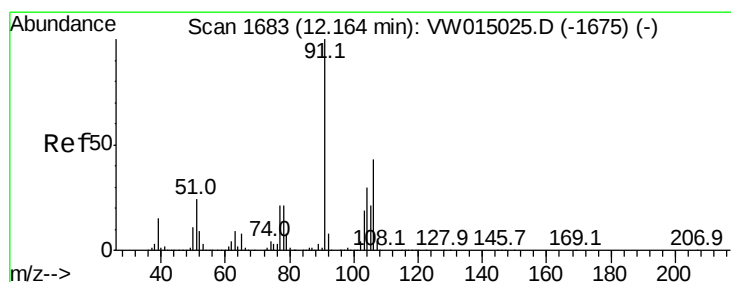
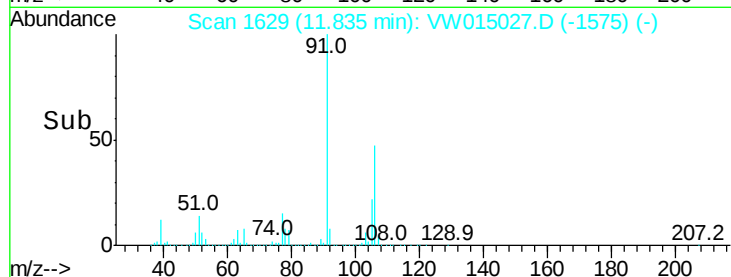
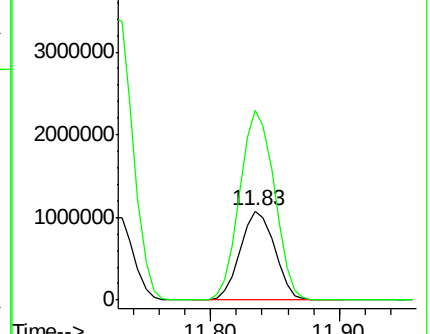
106 100

91 214.4 151.4 281.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 104.771 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015027.D

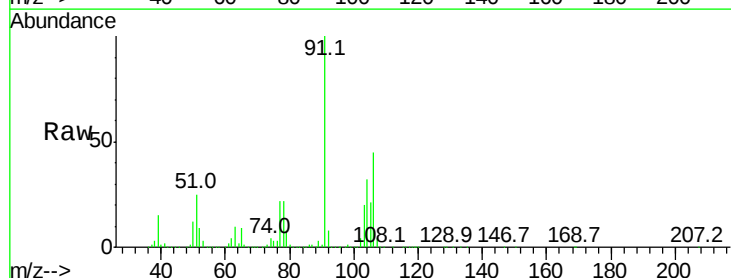
Acq: 24 Feb 2020 11:53

Tgt Ion:106 Resp: 1924828

Ion Ratio Lower Upper

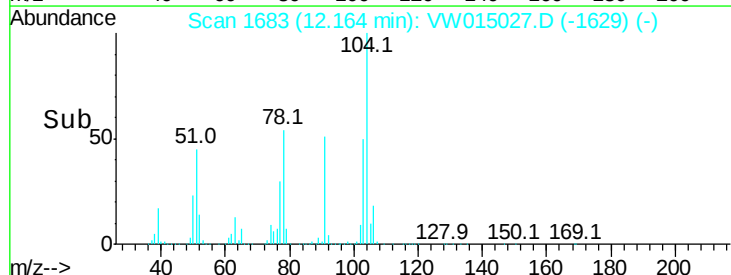
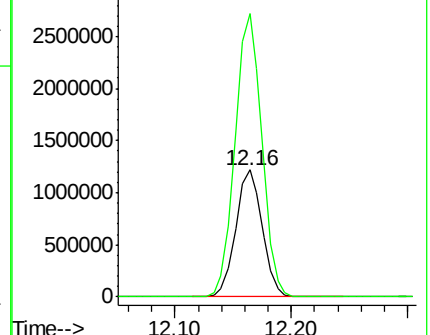
106 100

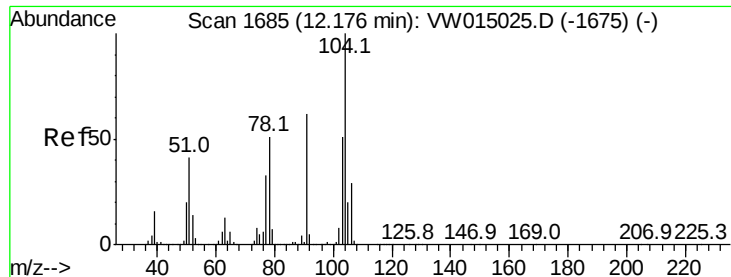
91 222.7 162.5 301.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 104.448 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Instrument :

MSVOA_W

ClientSampleId :

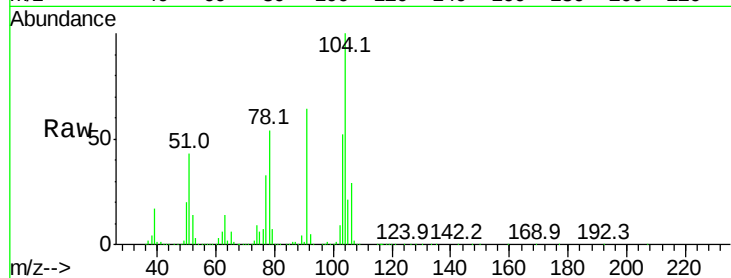
VSTD10005

Tgt Ion:104 Resp: 3243122

Ion Ratio Lower Upper

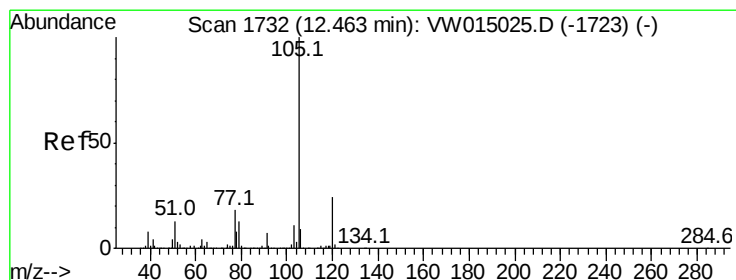
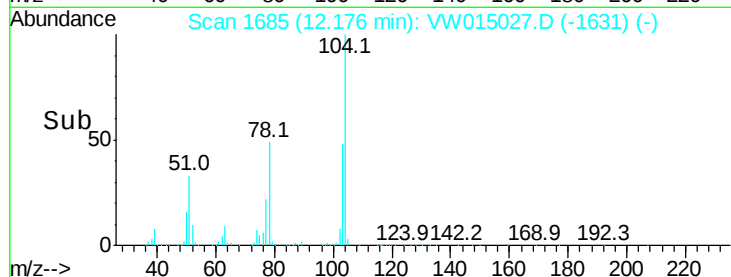
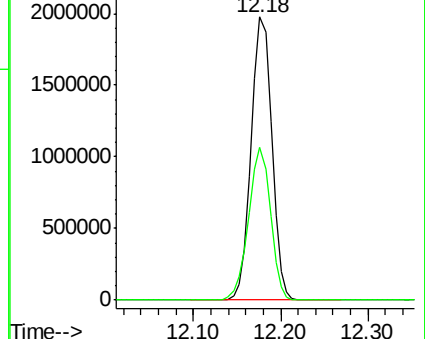
104 100

78 54.0 35.6 66.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 106.685 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

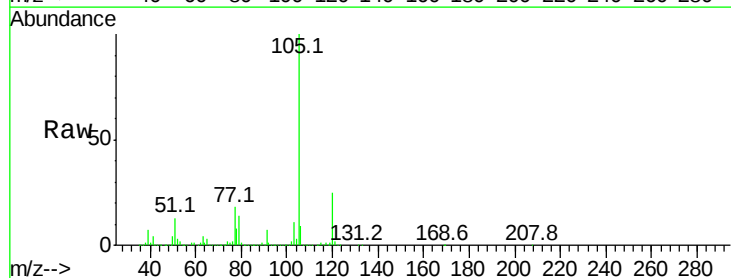
Tgt Ion:105 Resp: 5263794

Ion Ratio Lower Upper

105 100

120 25.2 19.8 29.8

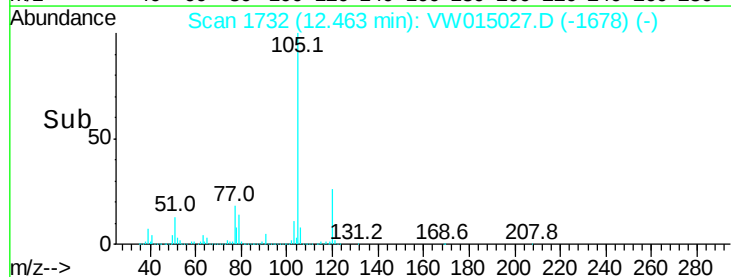
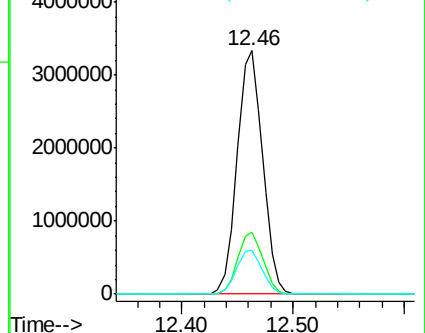
77 18.2 14.4 21.6

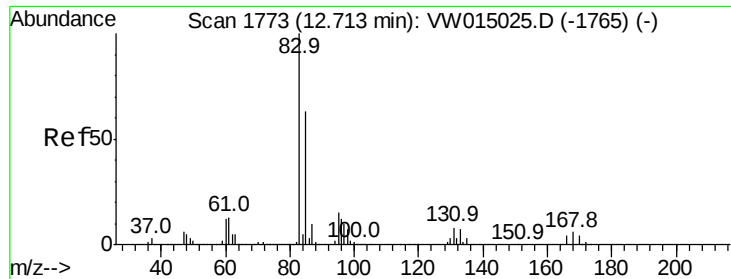


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW

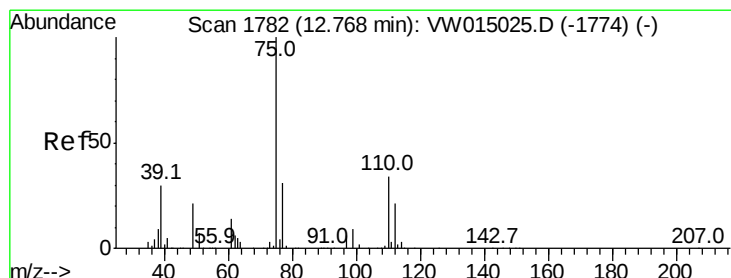
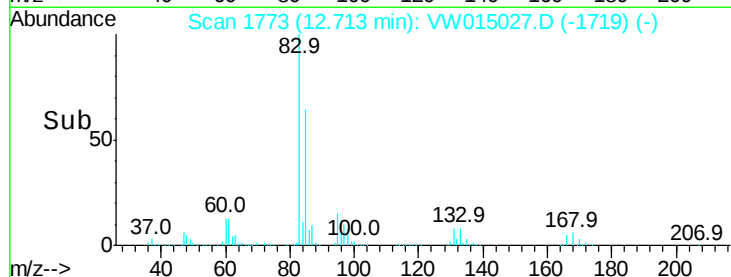
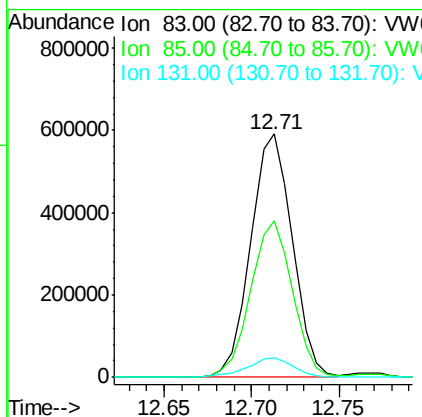
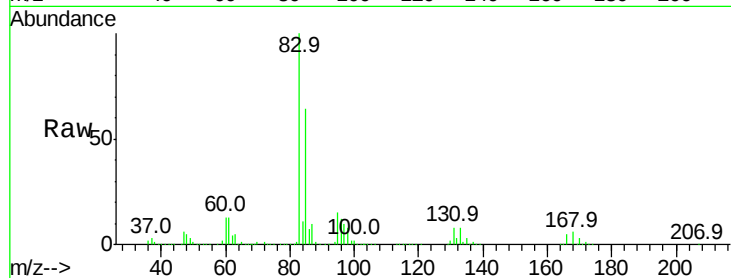




#58
 1,1,2,2-Tetrachloroethane
 Concen: 93.657 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW015027.D
 Acq: 24 Feb 2020 11:53

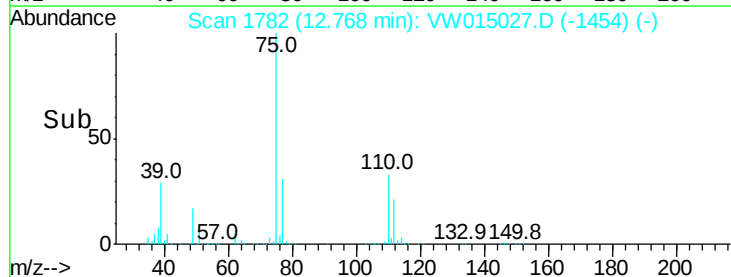
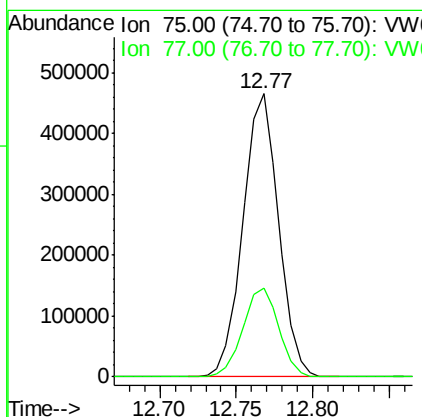
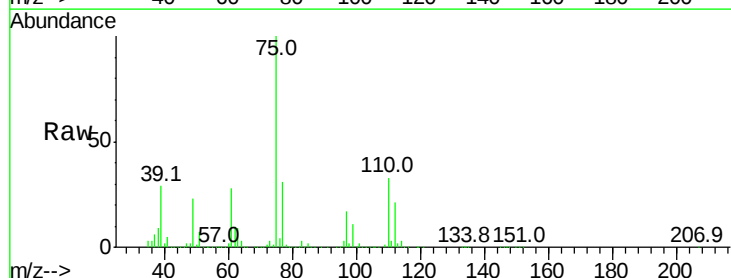
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

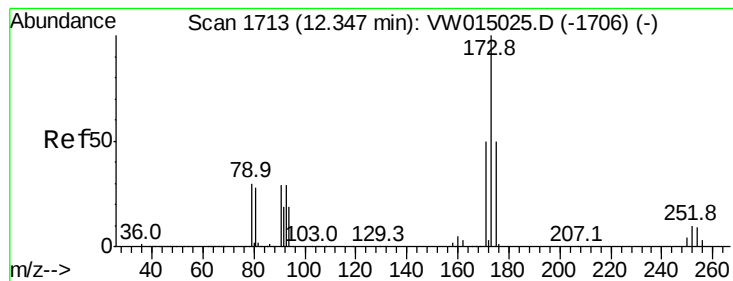
Tgt Ion: 83 Resp: 979948
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.2 82.0
 131 8.1 6.3 9.5



#59
 1,2,3-Trichloropropane
 Concen: 95.396 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW015027.D
 Acq: 24 Feb 2020 11:53

Tgt Ion: 75 Resp: 750949
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.0





#62

Bromoform

Concen: 88.420 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

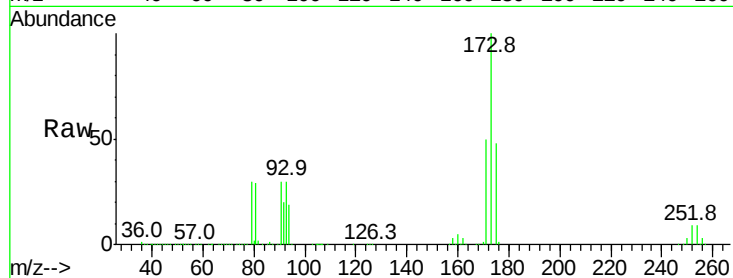
Tgt Ion:173 Resp: 423404

Ion Ratio Lower Upper

173 100

175 48.3 38.7 58.1

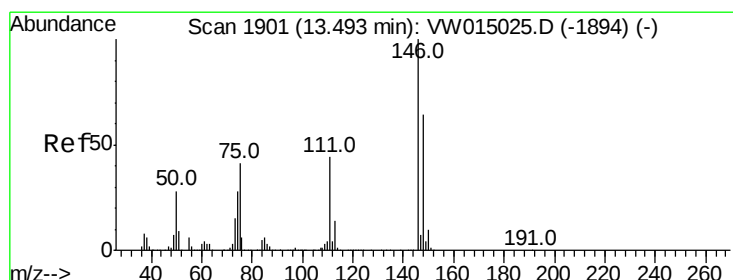
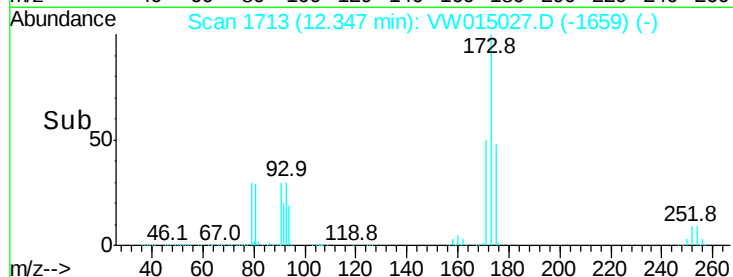
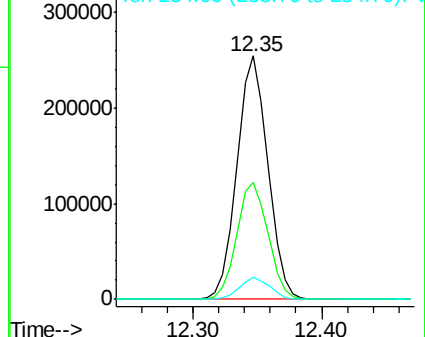
254 8.9 7.0 10.4



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 93.756 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

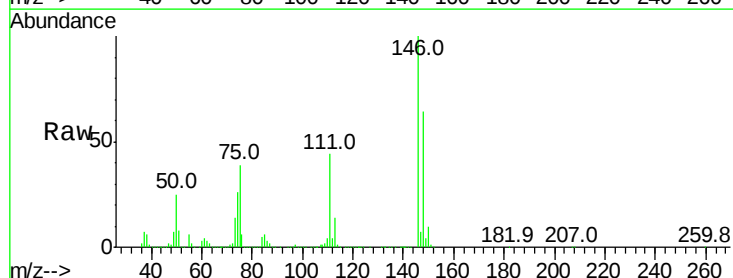
Tgt Ion:146 Resp: 1989395

Ion Ratio Lower Upper

146 100

111 44.5 30.9 57.3

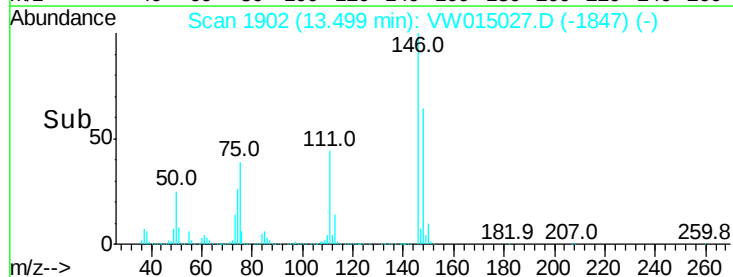
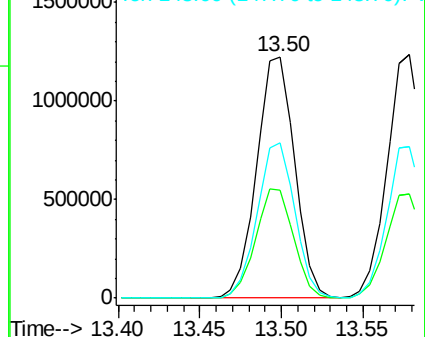
148 64.0 44.6 82.8

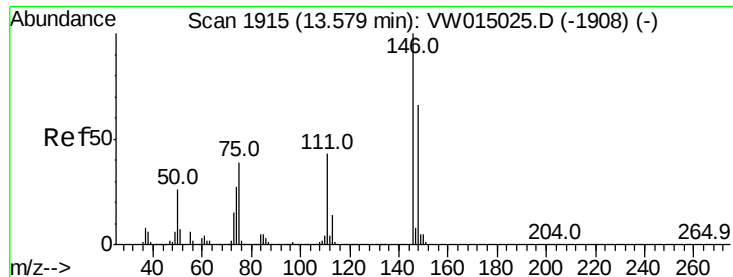


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 91.568 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

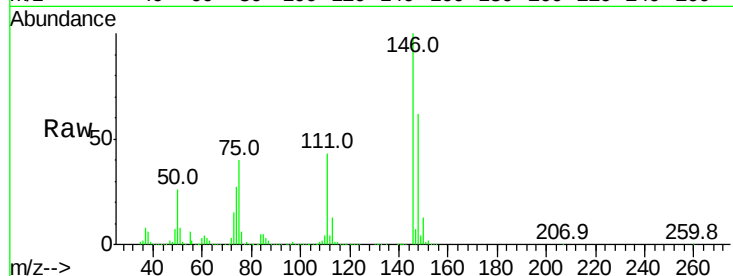
Tgt Ion:146 Resp: 1957183

Ion Ratio Lower Upper

146 100

111 42.9 29.9 55.5

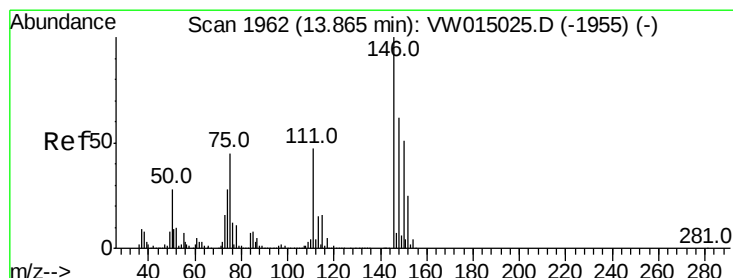
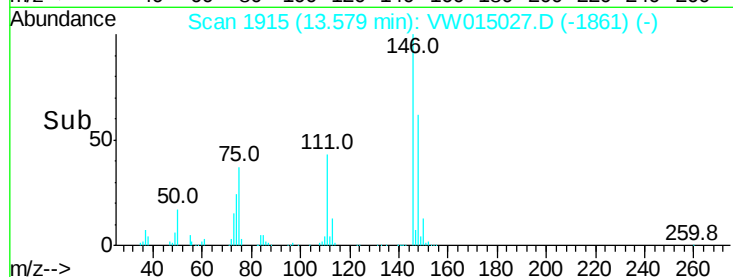
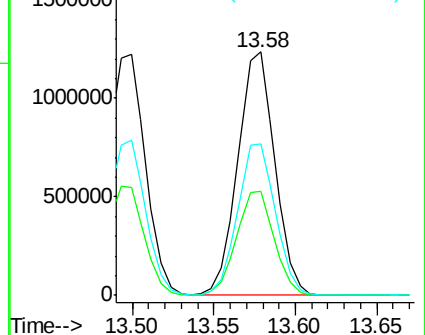
148 62.5 46.1 85.5



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: 92.018 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

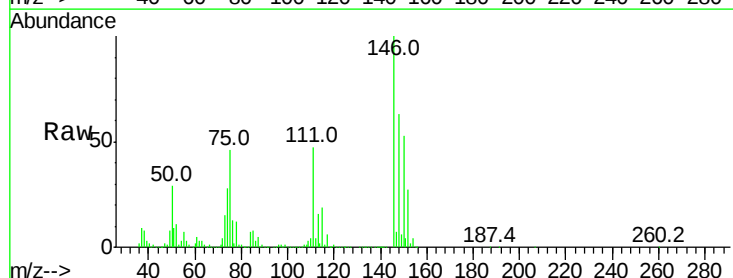
Tgt Ion:146 Resp: 1785894

Ion Ratio Lower Upper

146 100

111 47.1 37.7 56.5

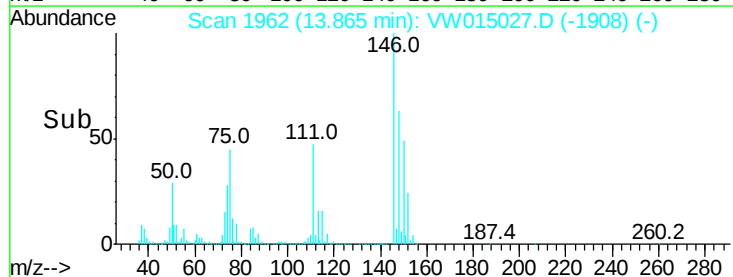
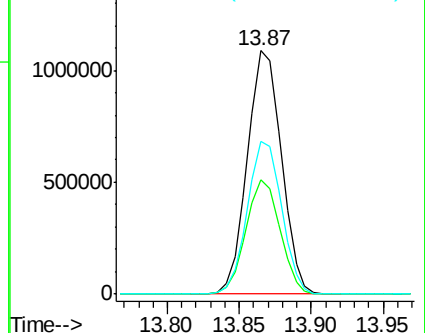
148 62.6 50.0 75.0

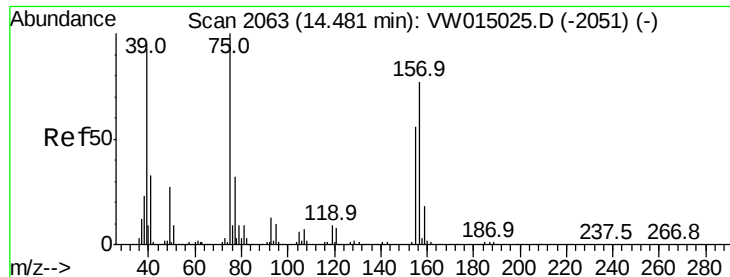


Abundance Ion 146.00 (145.70 to 146.70): V

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: 97.693 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

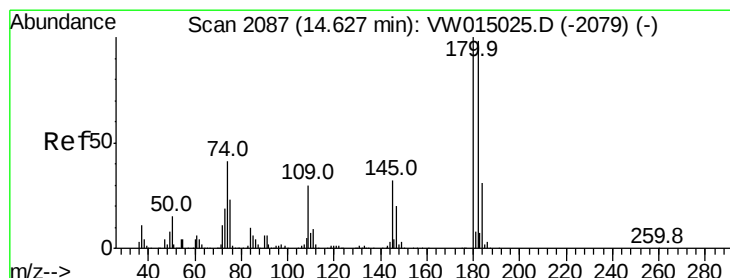
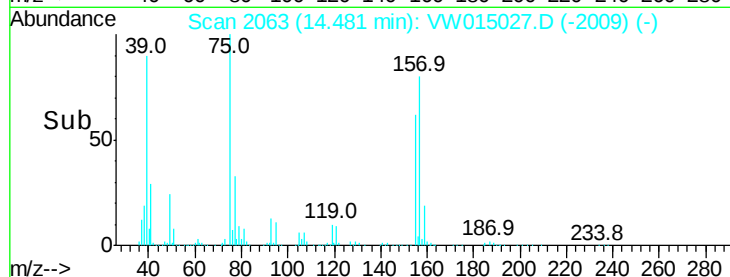
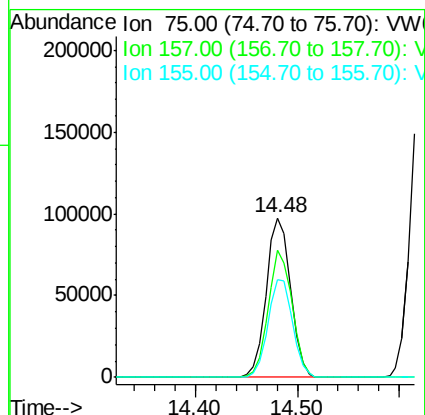
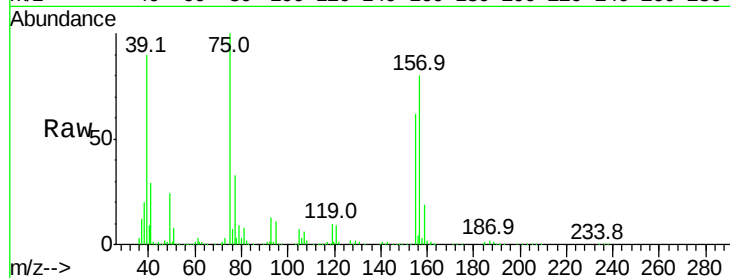
Tgt Ion: 75 Resp: 161665

Ion Ratio Lower Upper

75 100

157 80.1 61.4 92.0

155 61.7 45.0 67.6



#67

1,3,5-Trichlorobenzene

Concen: 90.278 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Tgt Ion: 180 Resp: 1371948

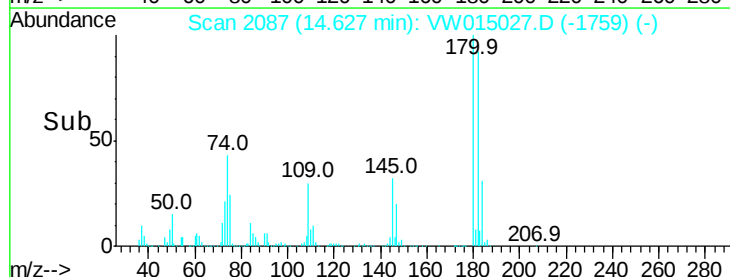
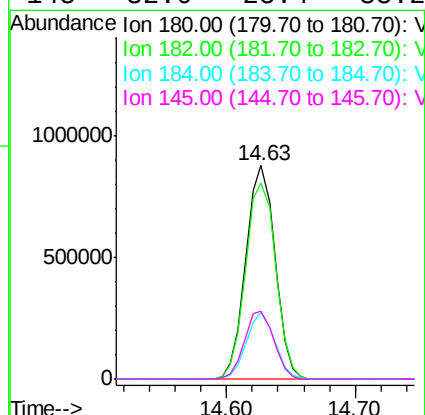
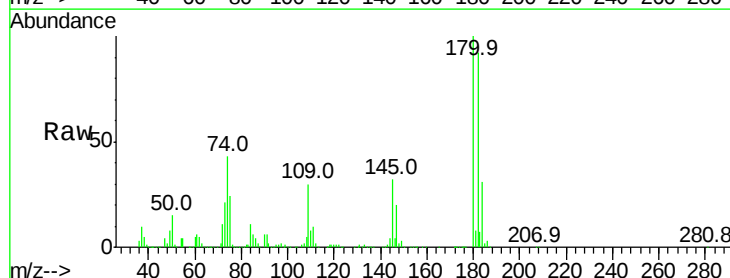
Ion Ratio Lower Upper

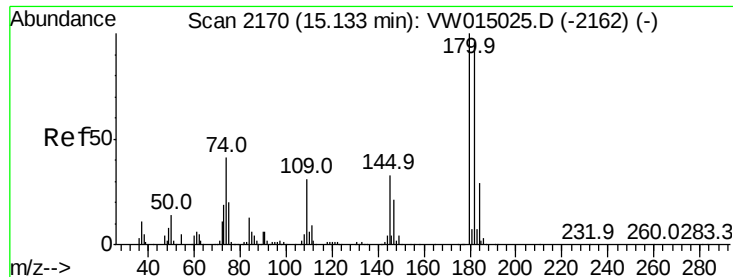
180 100

182 94.8 75.4 113.0

184 30.3 23.9 35.9

145 32.0 25.4 38.2





#68

1,2,4-trichlorobenzene

Concen: 92.224 ug/L

RT: 15.13 min Scan# 2169

Delta R.T. -0.01 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

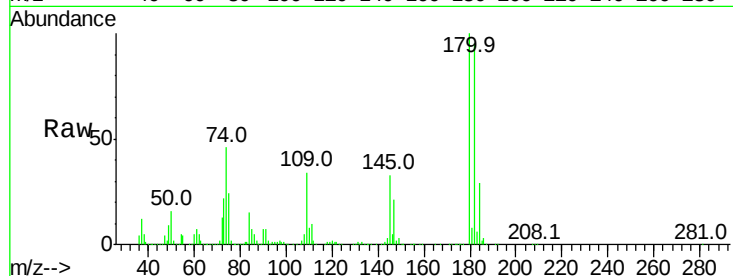
Tgt Ion:180 Resp: 1107343

Ion Ratio Lower Upper

180 100

182 95.3 75.7 113.5

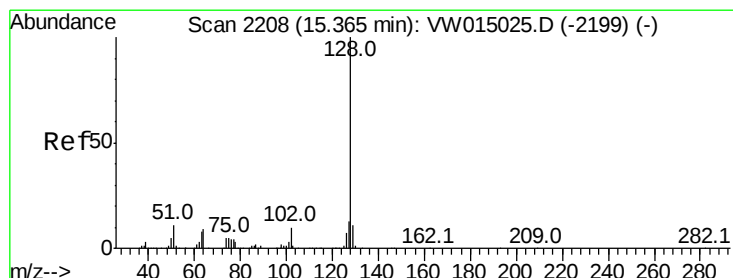
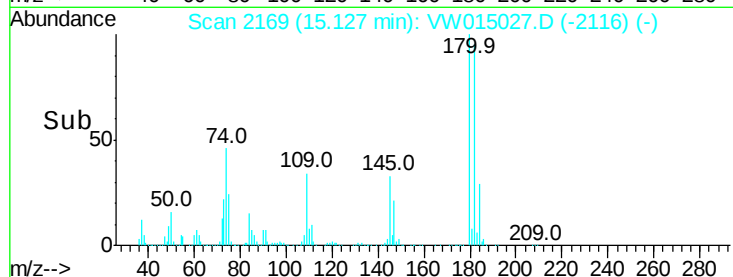
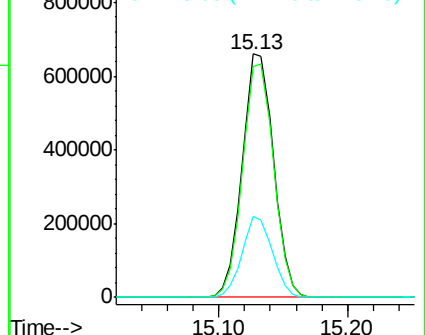
145 32.2 25.9 38.9



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



#69

Naphthalene

Concen: 47.344 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

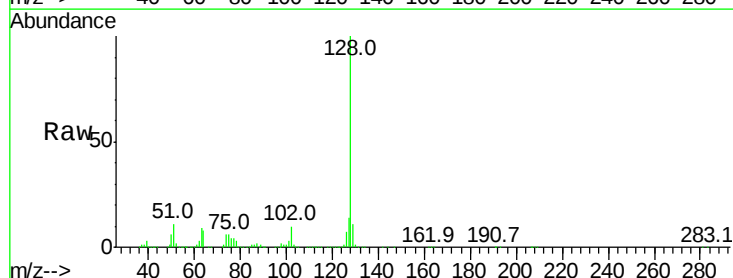
Tgt Ion:128 Resp: 1118184

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

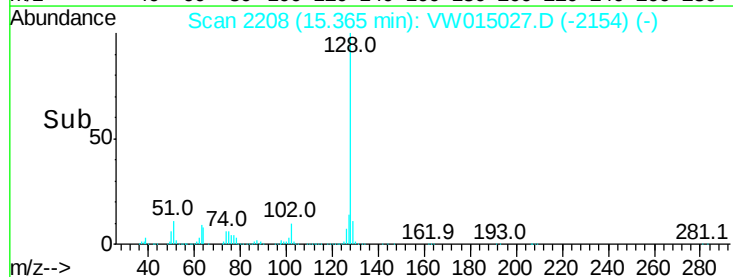
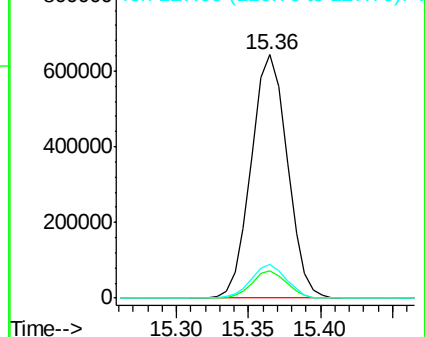
127 13.5 11.1 16.7

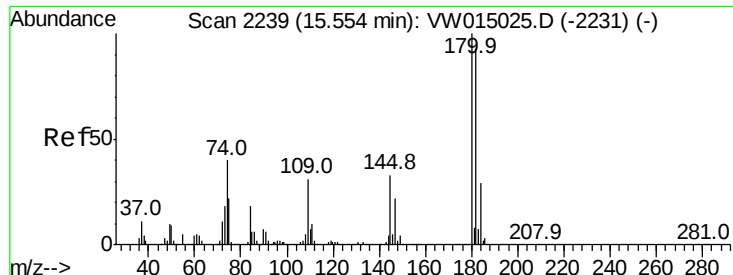


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#70

1,2,3-Trichlorobenzene

Concen: 87.018 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015027.D

Acq: 24 Feb 2020 11:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

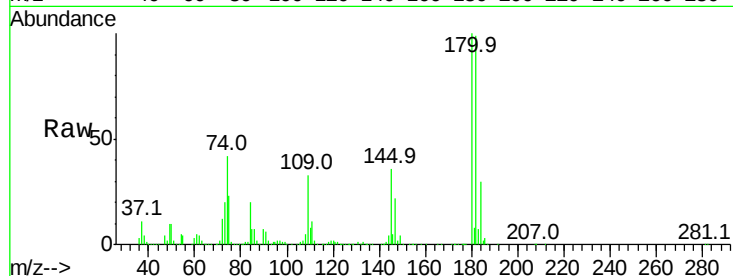
Tgt Ion:180 Resp: 964749

Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.6

145 35.2 27.1 40.7



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

