

Data File : VW016102.D
Acq On : 10 Aug 2020 13:37
Operator : SY/VA
Sample : VSTD100
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

Quant Time: Aug 10 14:07:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 10 13:22:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	411597	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	385197	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	174014	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	485152	83.53	ug/L	0.00
7) Chloroethane-d5	2.89	69	384729	81.56	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	1086457	92.53	ug/L	0.00
20) 2-Butanone-d5	7.08	46	299661	196.42	ug/L	0.00
24) Chloroform-d	7.65	84	1114667	96.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	581686	91.66	ug/L	0.00
29) Benzene-d6	8.27	84	2161959	92.21	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	630441	89.69	ug/L	0.00
37) Toluene-d8	10.32	98	1979911	93.22	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	302647	101.02	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	251928	215.25	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	507911	94.01	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	647844	95.48	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	450623	129.384	ug/L	98
3) Chloromethane	2.21	50	450124	106.859	ug/L	99
5) Vinyl chloride	2.37	62	539135	82.984	ug/L	100
6) Bromomethane	2.78	94	340039	87.731	ug/L	99
8) Chloroethane	2.92	64	314001	82.503	ug/L	99
9) Trichlorofluoromethane	3.26	101	411611	94.254	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	556501	104.248	ug/L	99
12) 1,1-Dichloroethene	4.03	96	541021	102.253	ug/L	93
13) Acetone	4.12	43	188825	147.381	ug/L	97
14) Carbon disulfide	4.38	76	1727877	103.404	ug/L	100
15) Methyl Acetate	4.67	43	242240	100.276	ug/L	98
16) Methylene chloride	4.91	84	544356	80.712	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	790315	105.629	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	583932	104.511	ug/L	91
19) 1,1-Dichloroethane	6.21	63	991133	96.262	ug/L	99
21) 2-Butanone	7.17	43	314556	198.544	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	621296	106.284	ug/L	97
23) Bromochloromethane	7.52	128	279291	108.957	ug/L	92
25) Chloroform	7.68	83	1034980	101.425	ug/L	100
27) 1,2-Dichloroethane	8.40	62	667013	96.063	ug/L	99
30) Cyclohexane	7.96	56	914960	94.202	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	873196	97.083	ug/L	99
32) Carbon tetrachloride	8.07	117	829055	101.648	ug/L	97
34) Benzene	8.32	78	2224541	95.084	ug/L	100
35) Trichloroethene	9.09	95	601587	97.206	ug/L	99
36) Methylcyclohexane	9.34	83	1037153	97.667	ug/L	99
40) 1,2-Dichloropropane	9.37	63	545089	94.050	ug/L	100
41) Bromodichloromethane	9.65	83	757369	101.187	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	903149	102.316	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	699793	206.861	ug/L	99

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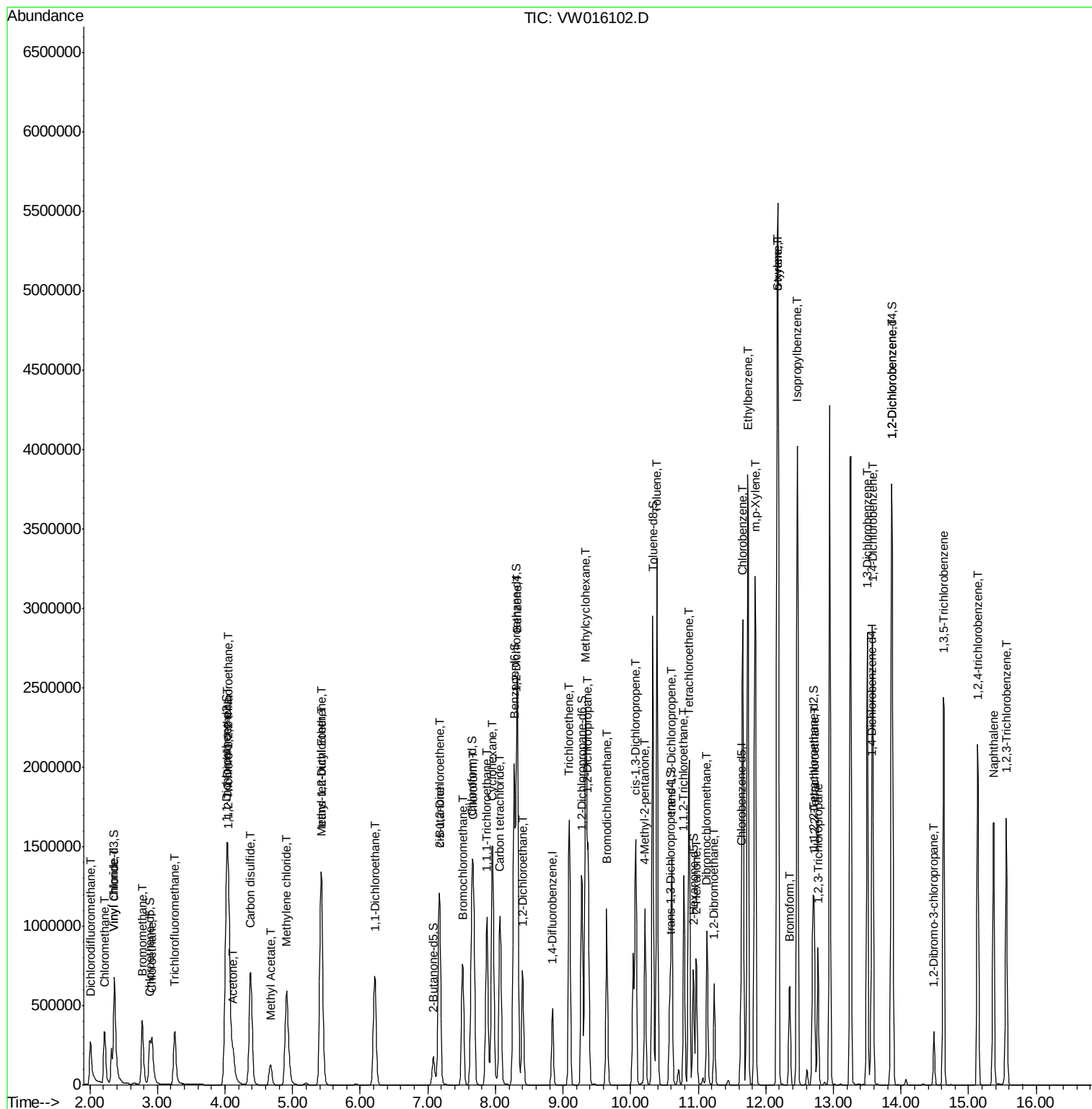
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2391716	97.472	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	799954	104.554	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	424471	101.847	ug/L	98
47) Tetrachloroethene	10.87	164	453961	94.500	ug/L	97
49) 2-Hexanone	10.97	43	479871	199.893	ug/L	98
50) Dibromochloromethane	11.13	129	532317	110.320	ug/L	97
51) 1,2-Dibromoethane	11.24	107	413234	103.646	ug/L	99
52) Chlorobenzene	11.66	112	1540105	97.952	ug/L	97
53) Ethylbenzene	11.73	91	2725298	98.772	ug/L	98
54) m,p-Xylene	11.84	106	1035909	100.350	ug/L	93
55) o-xylene	12.17	106	1006442	103.539	ug/L	100
56) Styrene	12.18	104	1730884	104.709	ug/L	100
57) Isopropylbenzene	12.47	105	2702884	102.147	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	490550	100.235	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	369057	100.647	ug/L	99
62) Bromoform	12.35	173	285122	111.382	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	1128161	101.297	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	1124445	99.481	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	1010078	99.847	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	89253	117.218	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	718301	91.726	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	642750	103.334	ug/L	99
69) Naphthalene	15.37	128	1447590	123.533	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	564264	101.813	ug/L	98

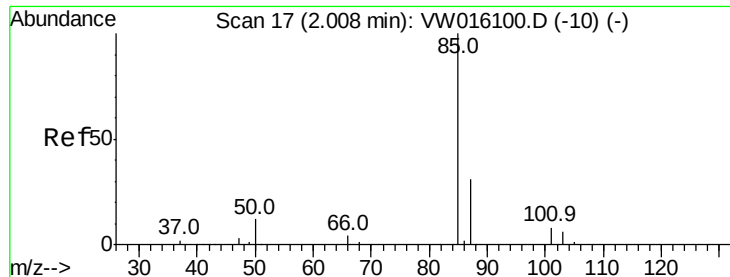
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 129.384 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

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Acq: 10 Aug 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

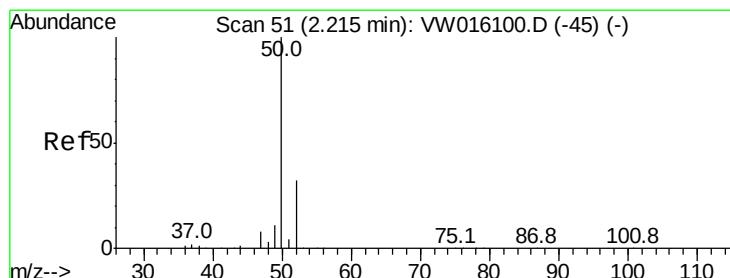
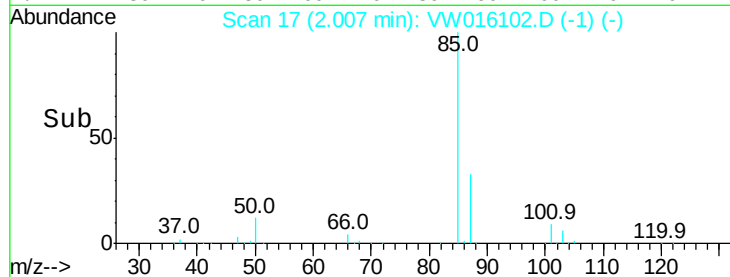
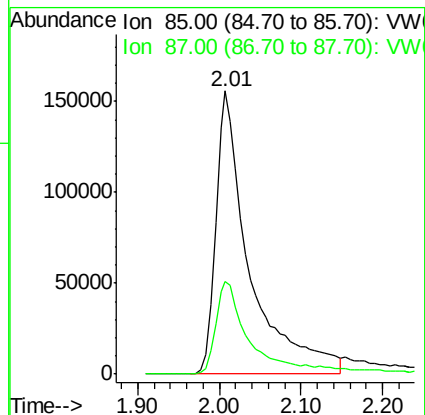
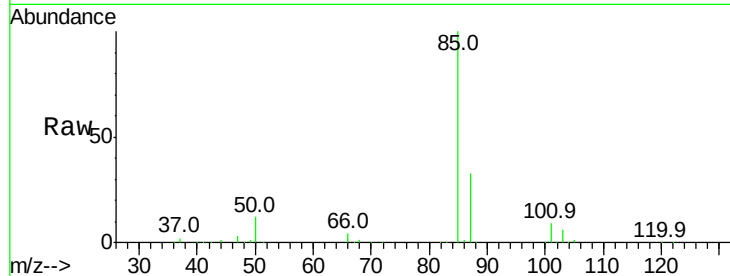
VSTD10005

Tgt Ion: 85 Resp: 450623

Ion Ratio Lower Upper

85 100

87 30.5 22.0 41.0



#3

Chloromethane

Concen: 106.859 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW016102.D

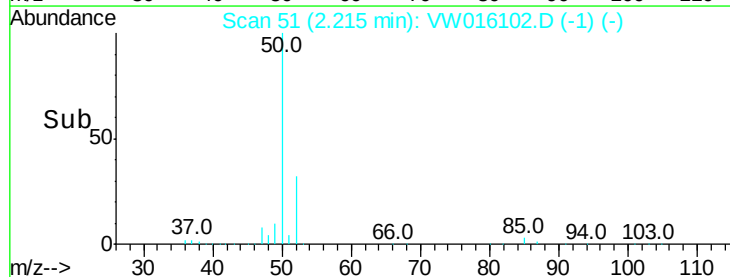
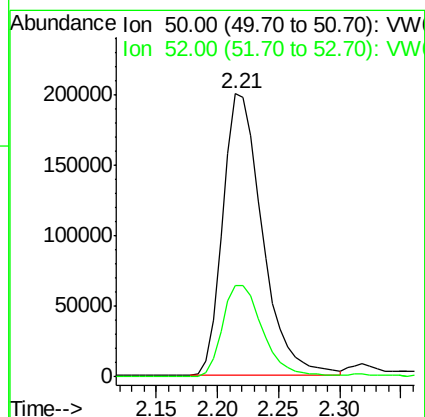
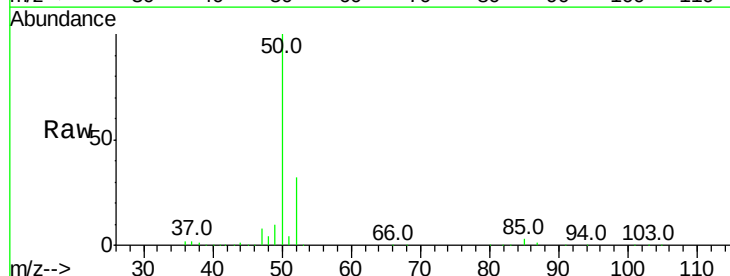
Acq: 10 Aug 2020 13:37

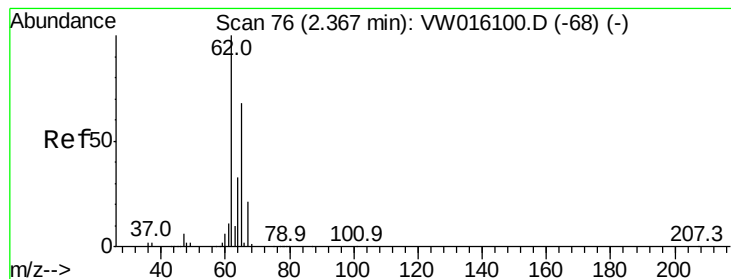
Tgt Ion: 50 Resp: 450124

Ion Ratio Lower Upper

50 100

52 32.1 22.0 40.8





#5

Vinyl chloride

Concen: 82.984 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

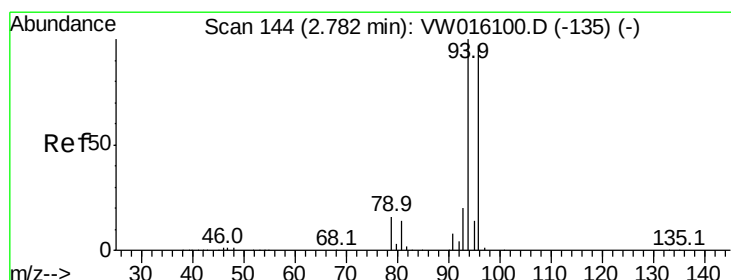
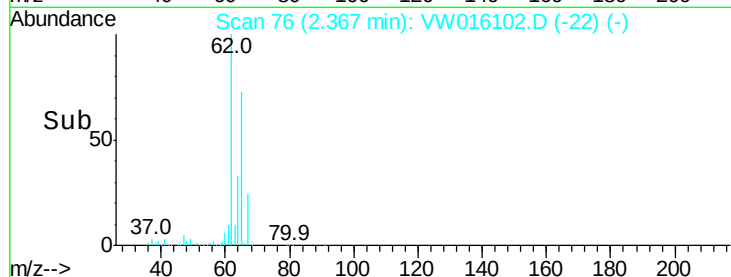
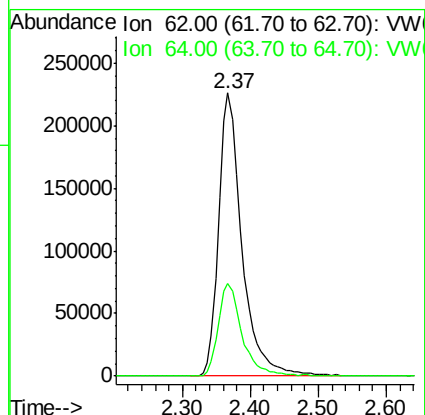
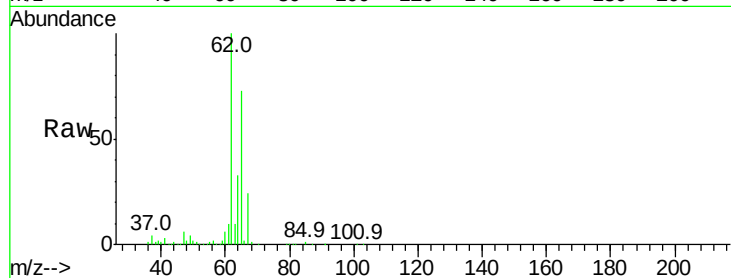
VSTD10005

Tgt Ion: 62 Resp: 539135

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.8



#6

Bromomethane

Concen: 87.731 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW016102.D

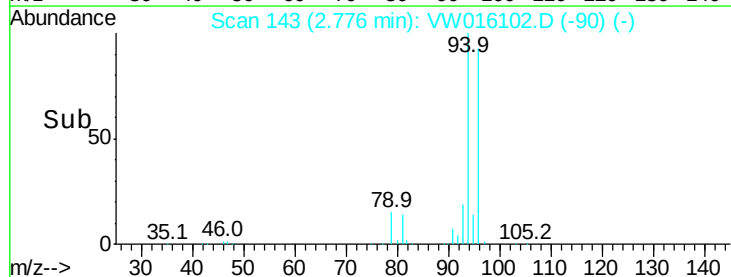
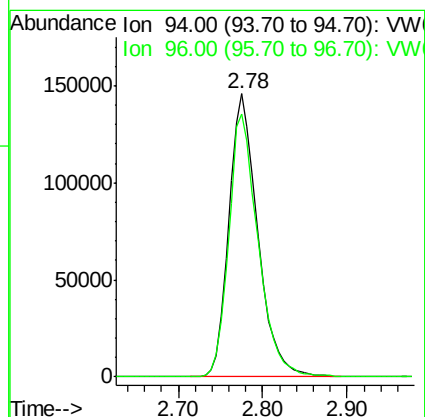
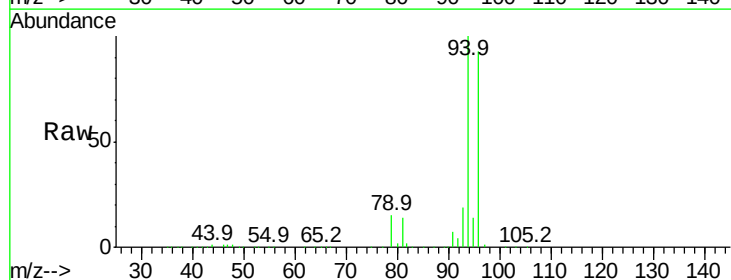
Acq: 10 Aug 2020 13:37

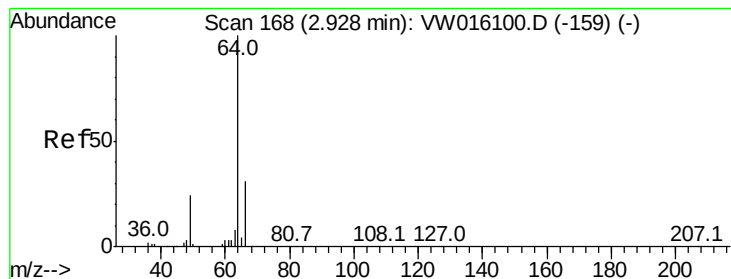
Tgt Ion: 94 Resp: 340039

Ion Ratio Lower Upper

94 100

96 94.4 9.4 178.2





#8

Chloroethane

Concen: 82.503 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

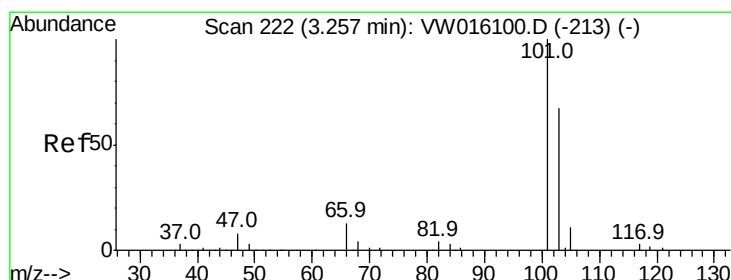
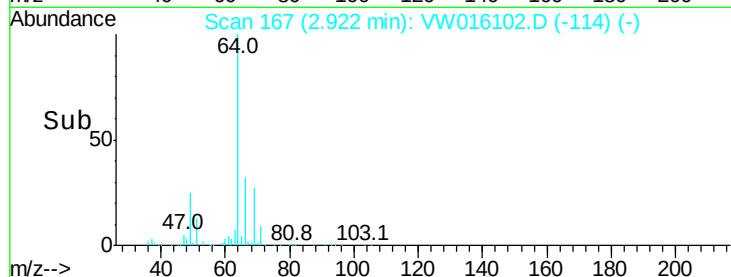
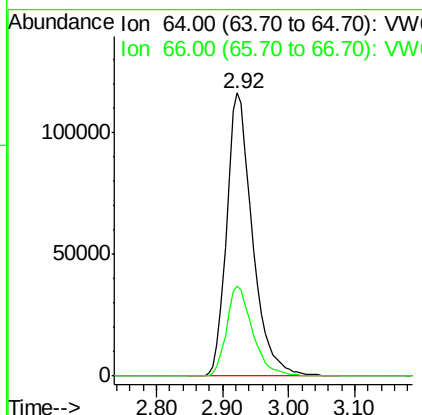
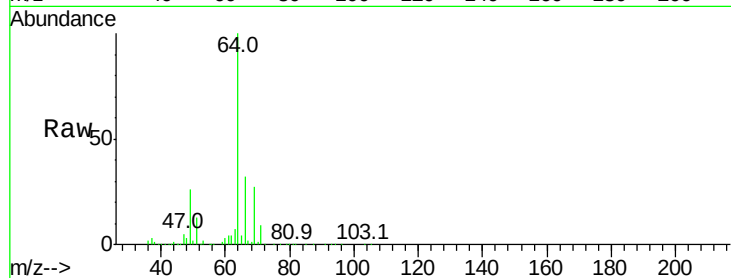
VSTD10005

Tgt Ion: 64 Resp: 314001

Ion Ratio Lower Upper

64 100

66 31.7 21.8 40.4



#9

Trichlorofluoromethane

Concen: 94.254 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW016102.D

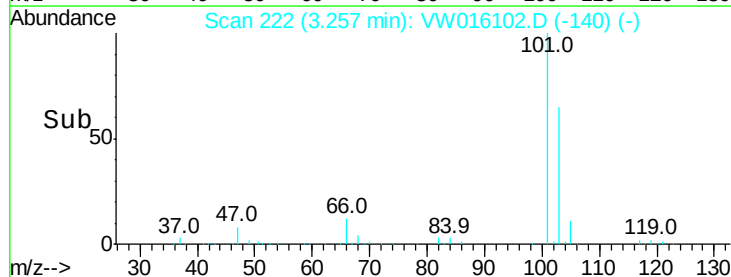
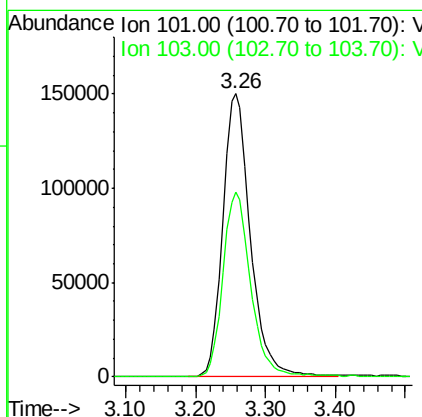
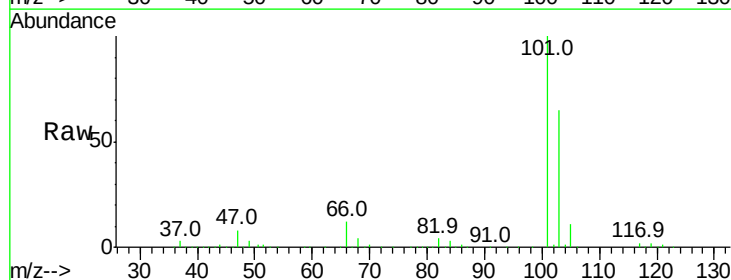
Acq: 10 Aug 2020 13:37

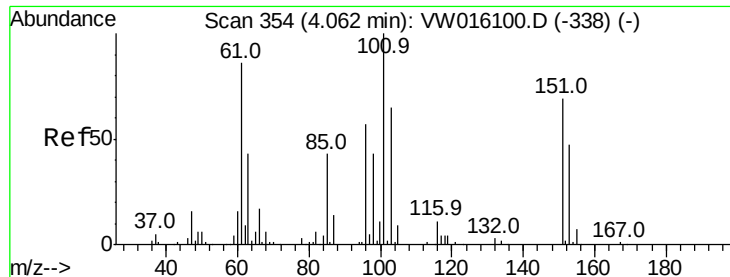
Tgt Ion: 101 Resp: 411611

Ion Ratio Lower Upper

101 100

103 64.9 45.6 84.6





#11

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

Concen: 104.248 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

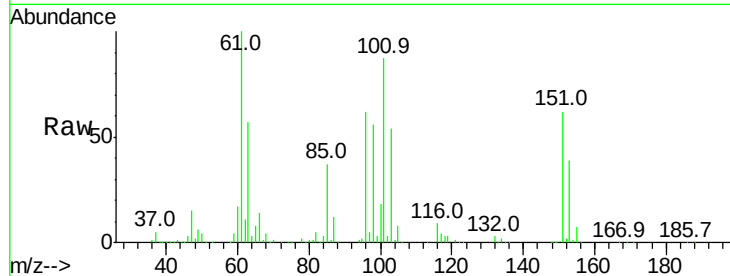
Tgt Ion: 101 Resp: 556501

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.4

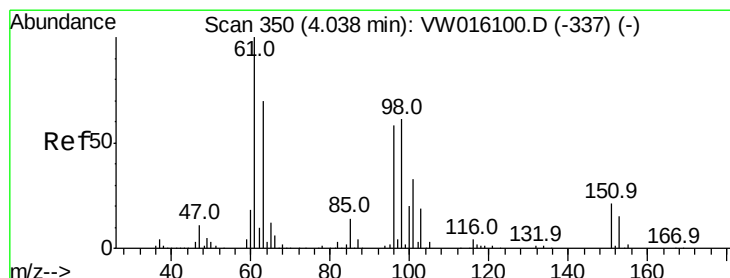
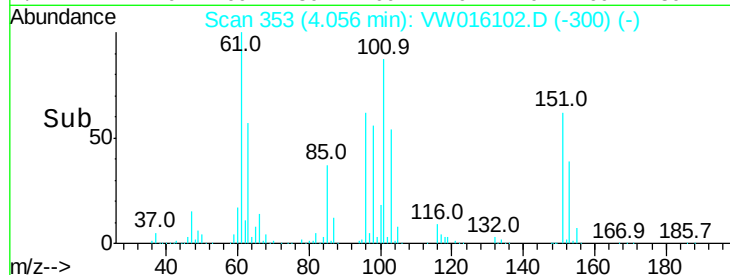
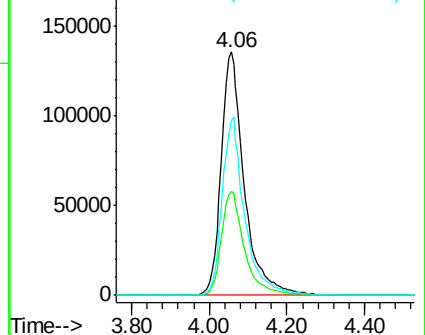
151 70.9 57.4 86.2



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: 102.253 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

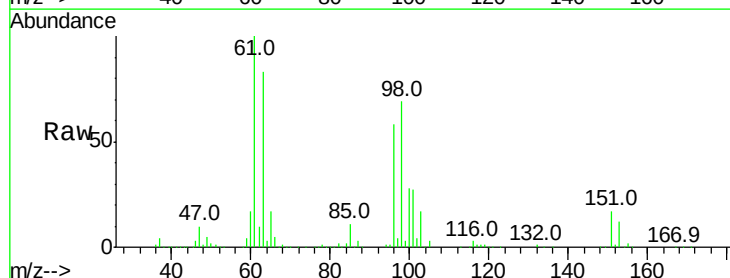
Tgt Ion: 96 Resp: 541021

Ion Ratio Lower Upper

96 100

61 171.7 120.2 223.2

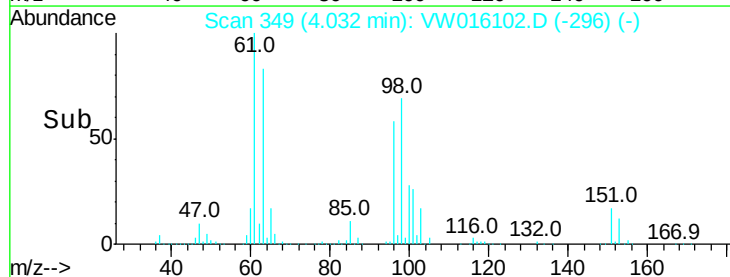
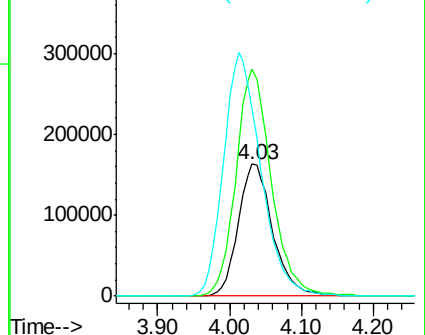
63 141.6 86.4 160.4

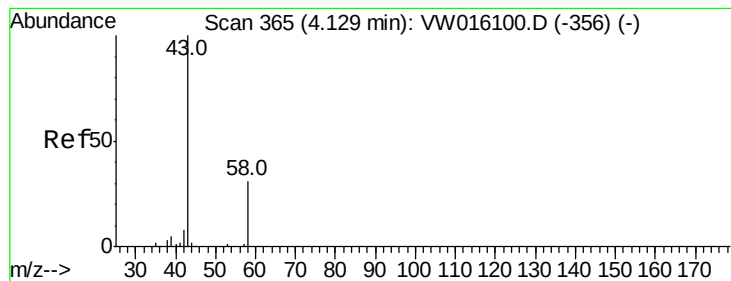


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 147.381 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

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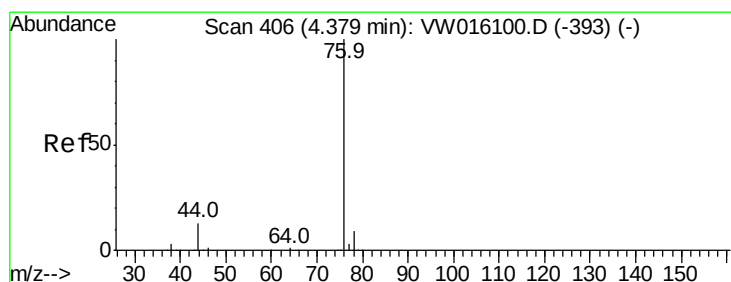
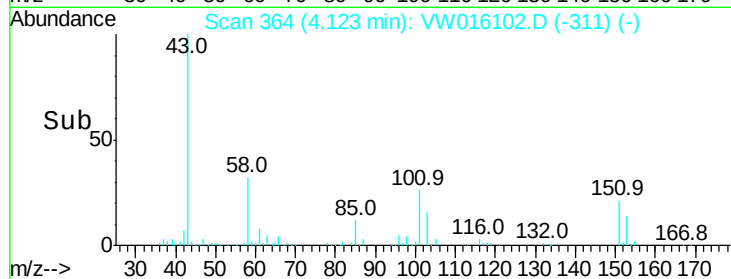
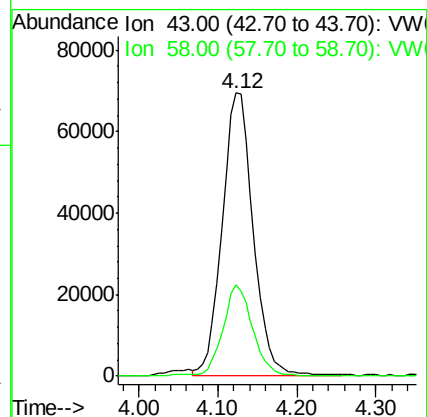
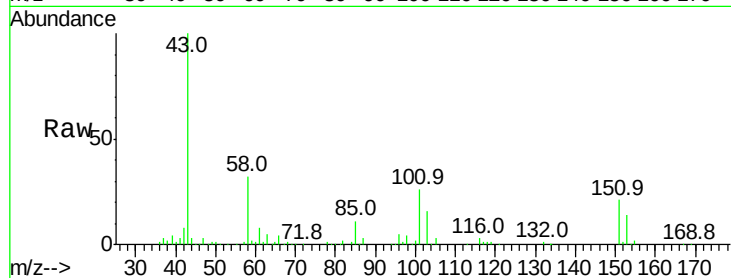
VSTD10005

Tgt Ion: 43 Resp: 188825

Ion Ratio Lower Upper

43 100

58 31.4 0.0 59.4



#14

Carbon disulfide

Concen: 103.404 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW016102.D

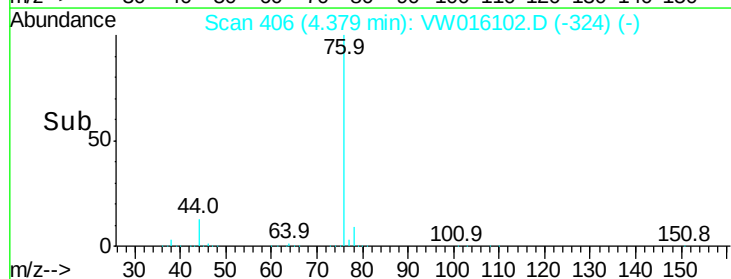
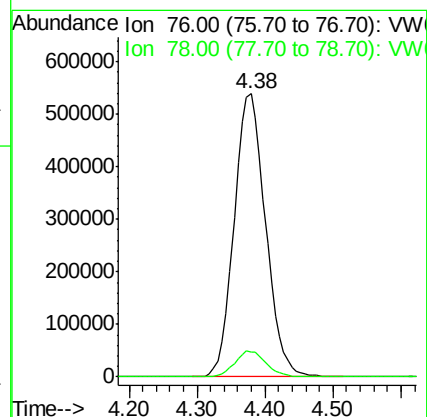
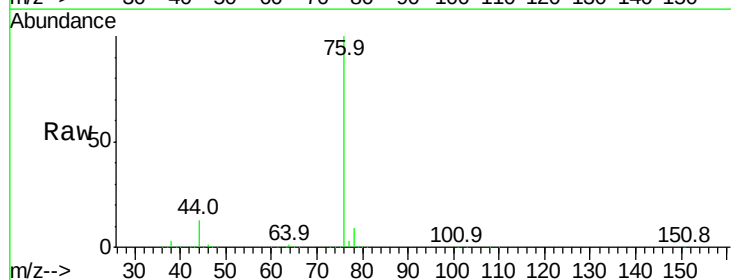
Acq: 10 Aug 2020 13:37

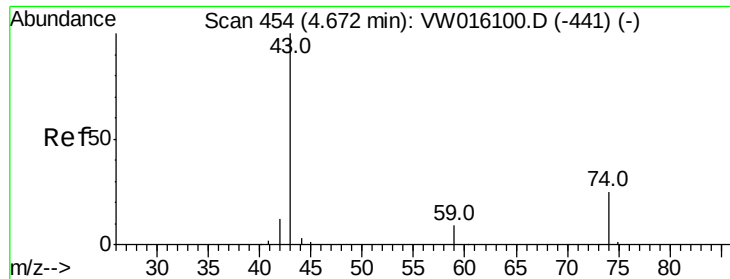
Tgt Ion: 76 Resp: 1727877

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4

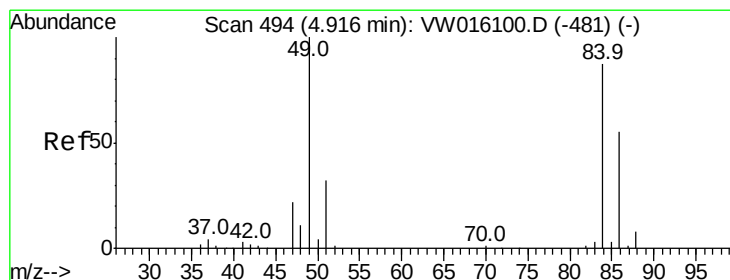
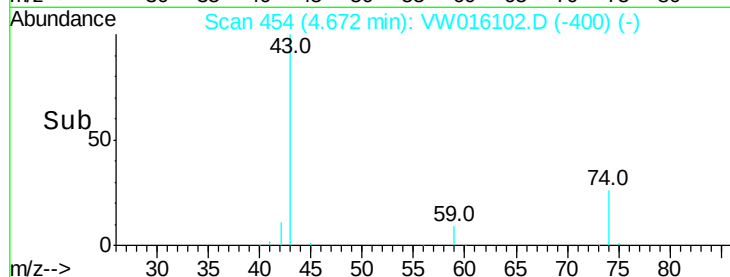
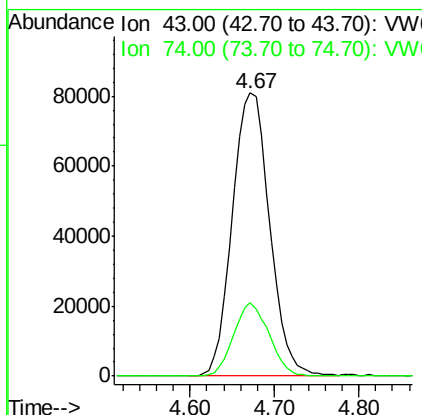
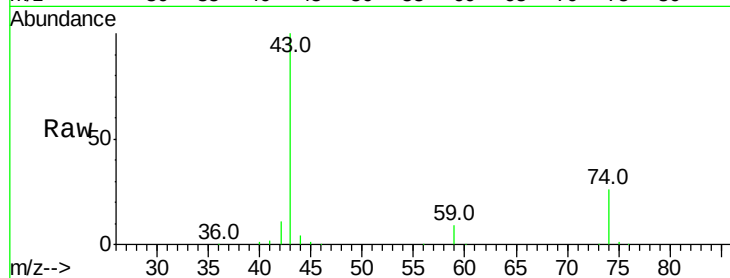




#15
Methyl Acetate
Concen: 100.276 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
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Acq: 10 Aug 2020 13:37

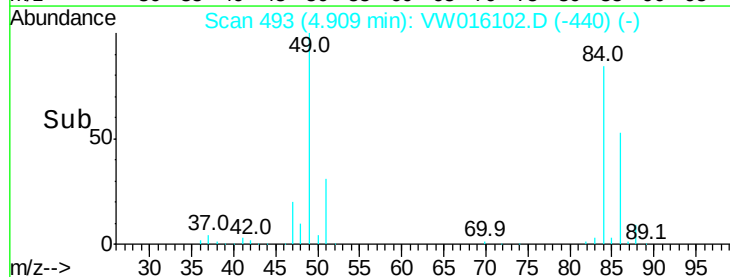
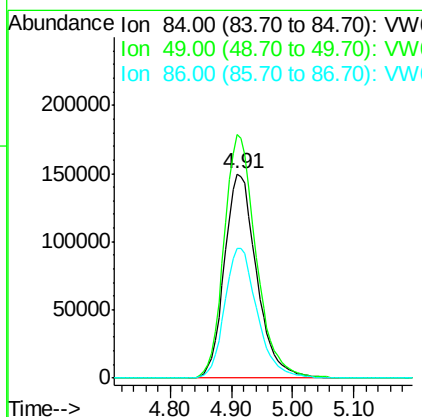
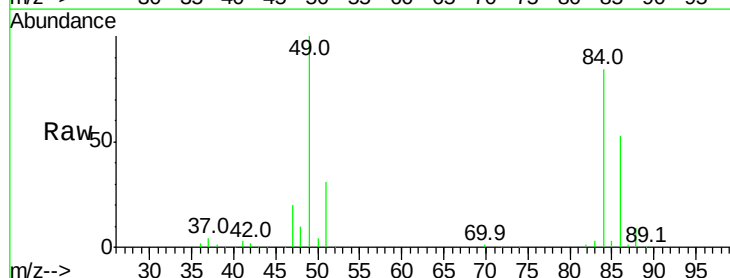
Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

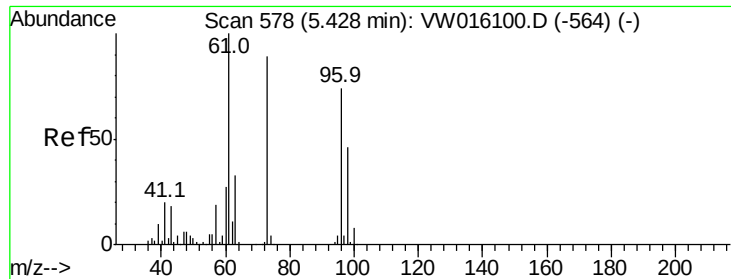
Tgt Ion: 43 Resp: 242240
Ion Ratio Lower Upper
43 100
74 24.6 18.9 28.3



#16
Methylene chloride
Concen: 80.712 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW016102.D
Acq: 10 Aug 2020 13:37

Tgt Ion: 84 Resp: 544356
Ion Ratio Lower Upper
84 100
49 119.3 80.4 149.4
86 63.3 43.8 81.3

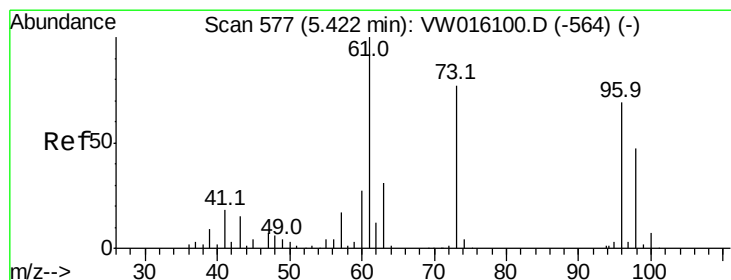
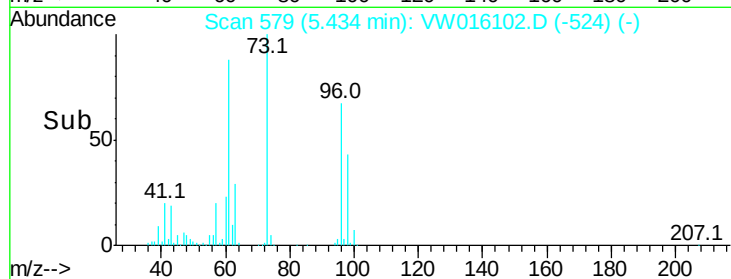
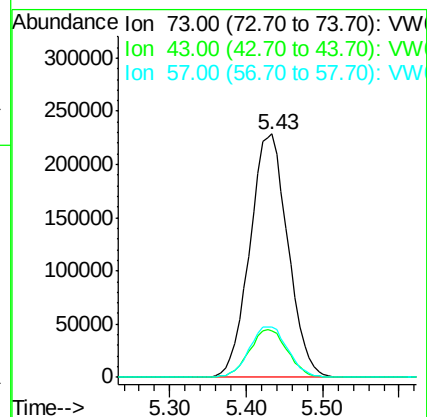
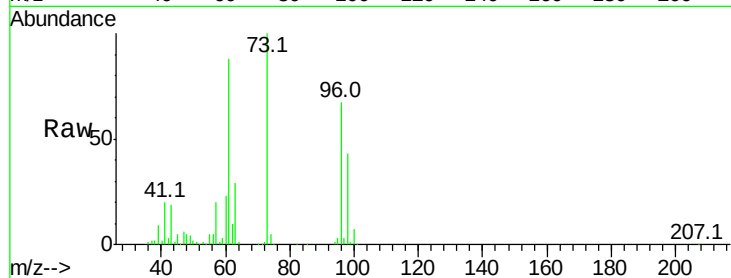




#17
Methyl tert-butyl Ether
Concen: 105.629 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW016102.D
Acq: 10 Aug 2020 13:37

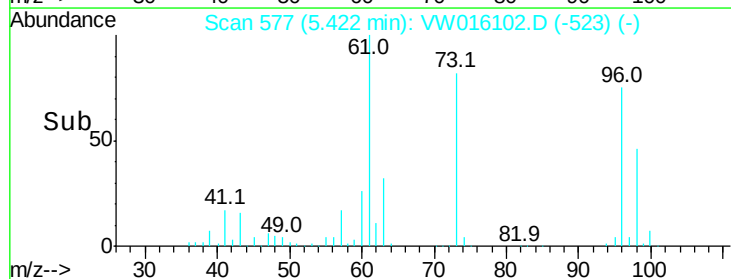
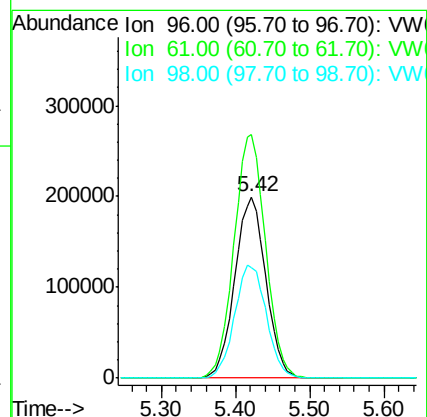
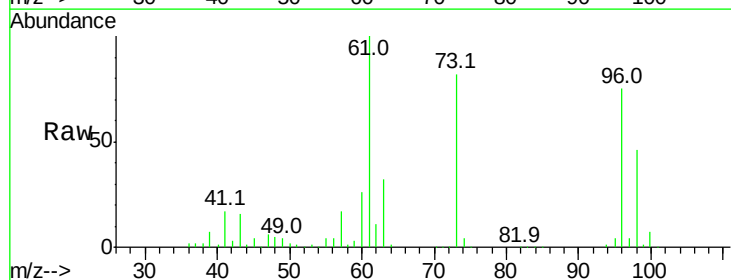
Instrument :
MSVOA_W
ClientSampled :
VSTD10005

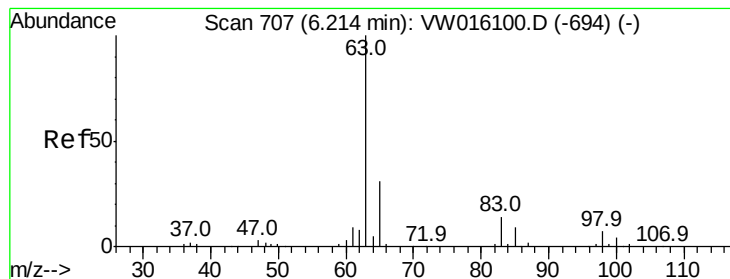
Tgt Ion: 73 Resp: 790315
Ion Ratio Lower Upper
73 100
43 19.8 16.6 24.8
57 21.2 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 104.511 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW016102.D
Acq: 10 Aug 2020 13:37

Tgt Ion: 96 Resp: 583932
Ion Ratio Lower Upper
96 100
61 134.2 101.6 188.8
98 61.2 47.7 88.7





#19

1,1-Dichloroethane

Concen: 96.262 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

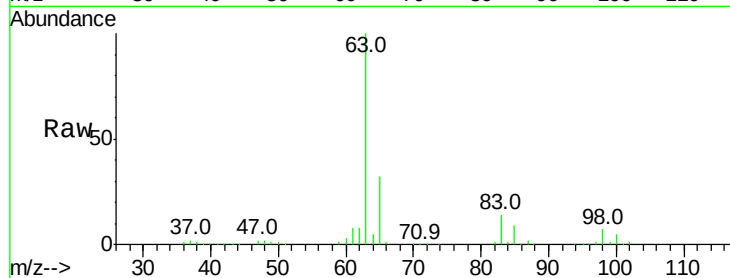
Tgt Ion: 63 Resp: 991133

Ion Ratio Lower Upper

63 100

65 31.5 21.6 40.0

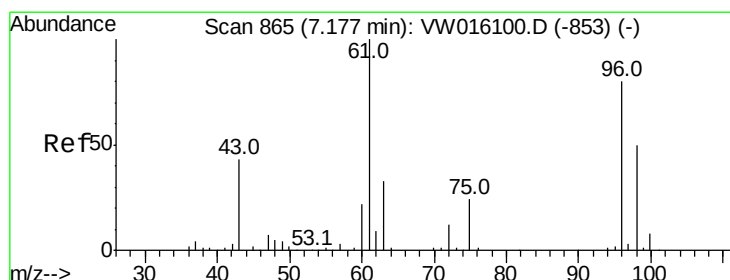
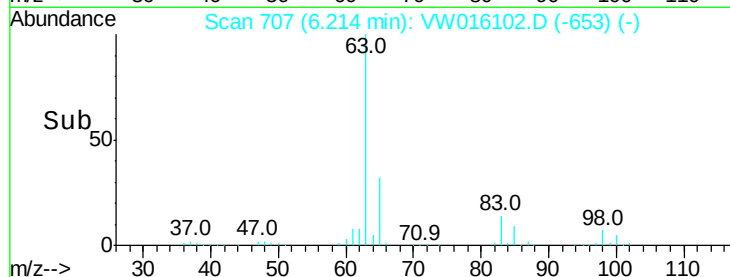
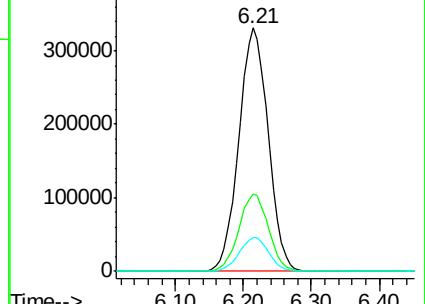
83 13.7 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 198.544 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016102.D

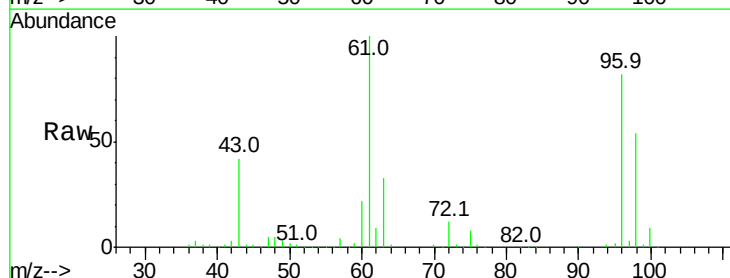
Acq: 10 Aug 2020 13:37

Tgt Ion: 43 Resp: 314556

Ion Ratio Lower Upper

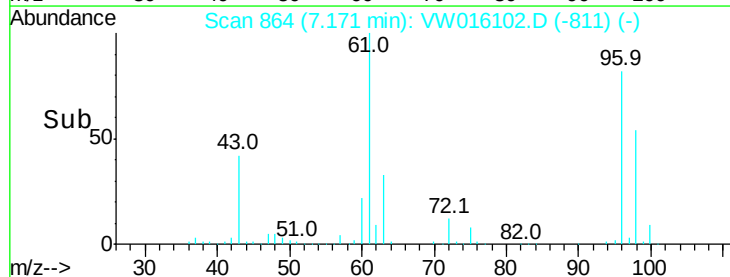
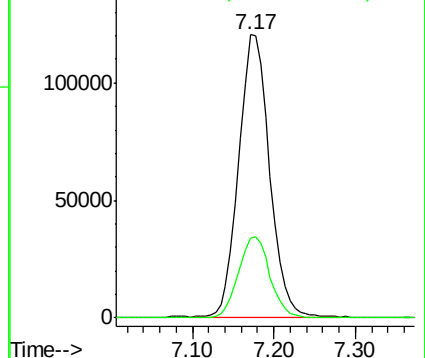
43 100

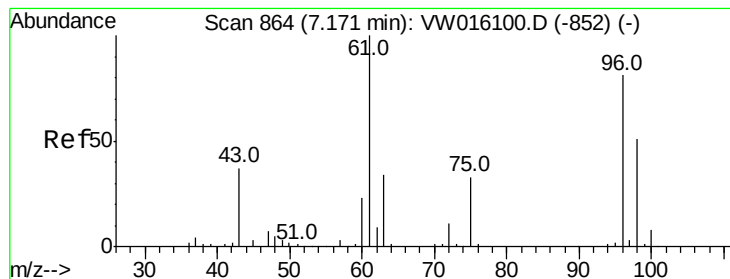
72 29.4 13.9 41.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



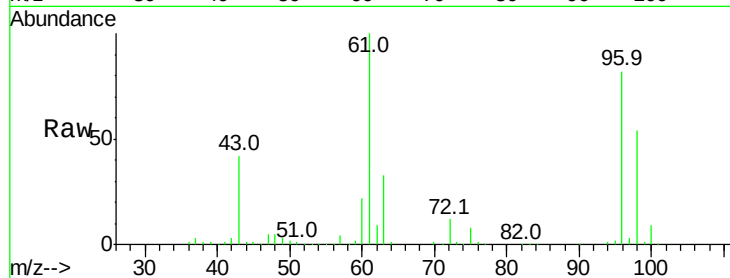


#22

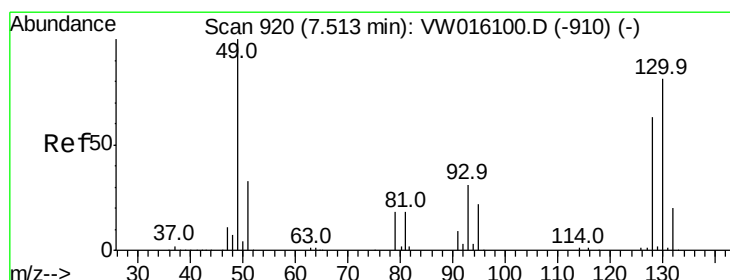
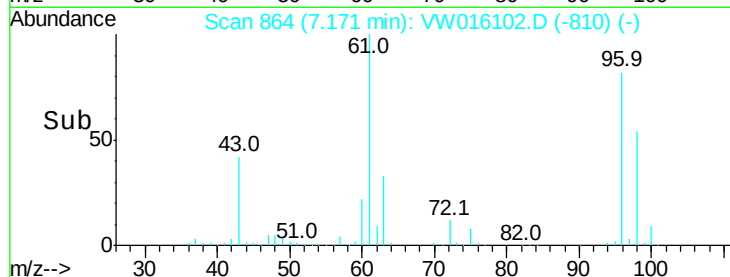
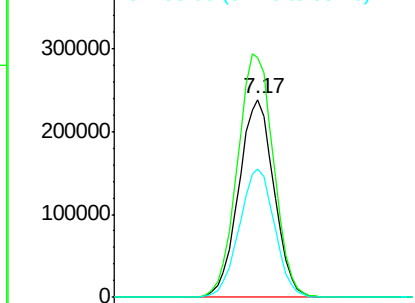
cis-1,2-Dichloroethene
 Concen: 106.284 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016102.D
 Acq: 10 Aug 2020 13:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

Tgt Ion: 96 Resp: 621296
 Ion Ratio Lower Upper
 96 100
 61 121.5 87.0 161.6
 98 65.1 44.0 81.6



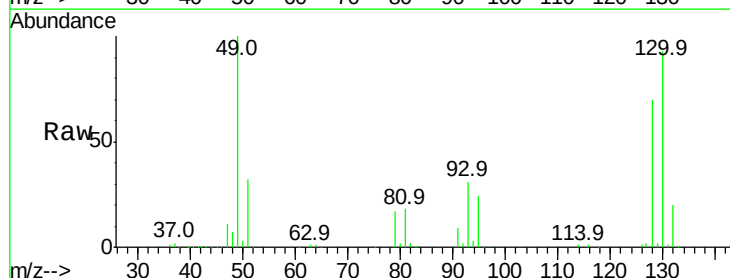
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



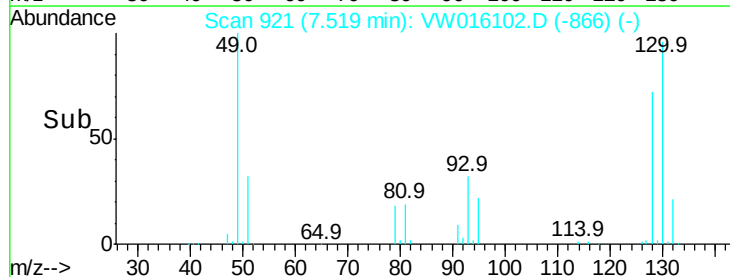
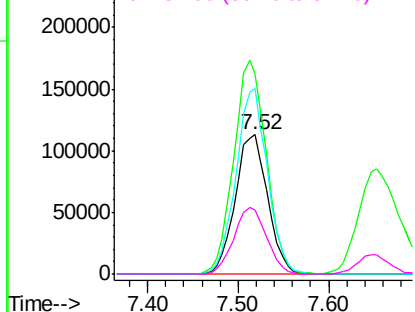
#23

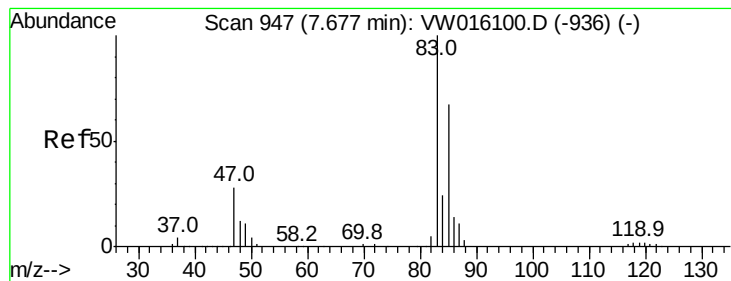
Bromochloromethane
 Concen: 108.957 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW016102.D
 Acq: 10 Aug 2020 13:37

Tgt Ion: 128 Resp: 279291
 Ion Ratio Lower Upper
 128 100
 49 143.7 111.8 207.6
 130 133.1 90.6 168.3
 51 45.7 42.6 63.8



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: 101.425 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

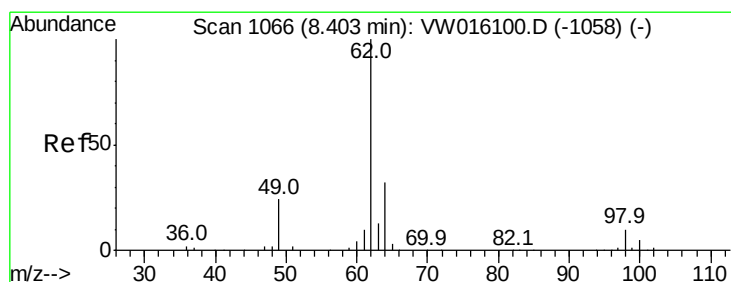
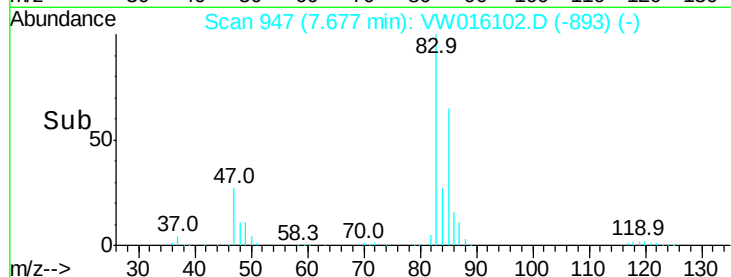
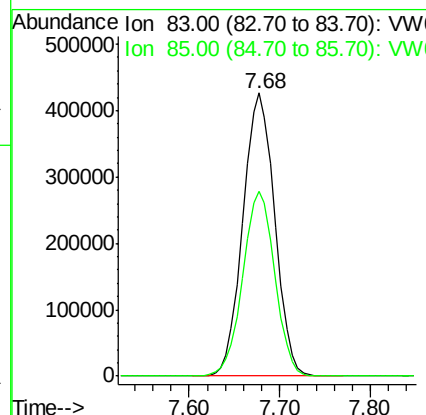
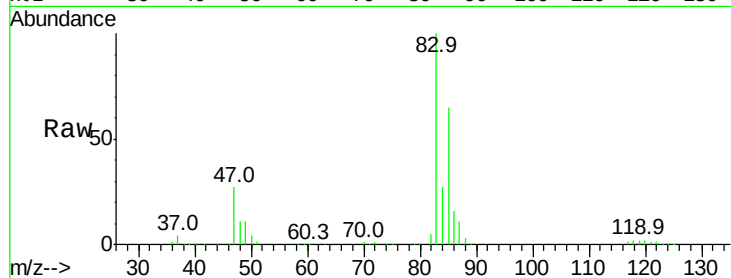
VSTD10005

Tgt Ion: 83 Resp: 1034980

Ion Ratio Lower Upper

83 100

85 65.7 46.0 85.4



#27

1,2-Dichloroethane

Concen: 96.063 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW016102.D

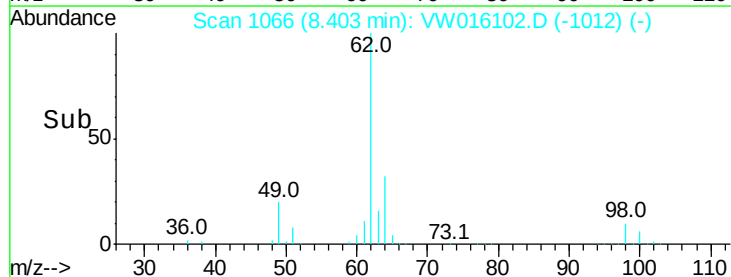
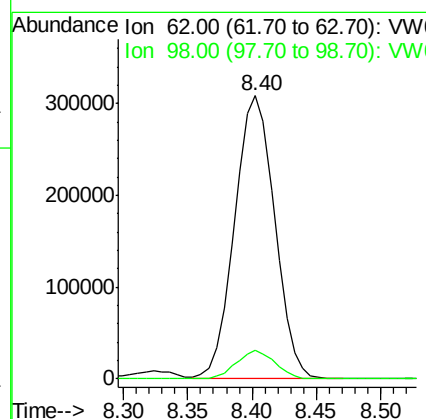
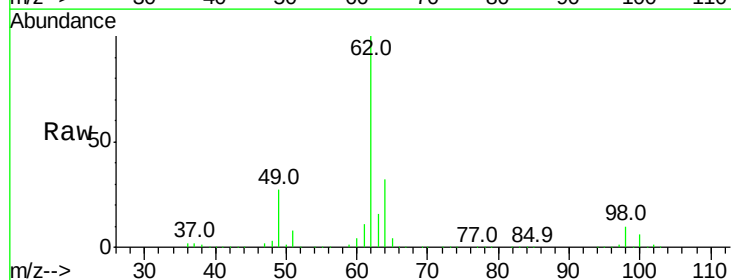
Acq: 10 Aug 2020 13:37

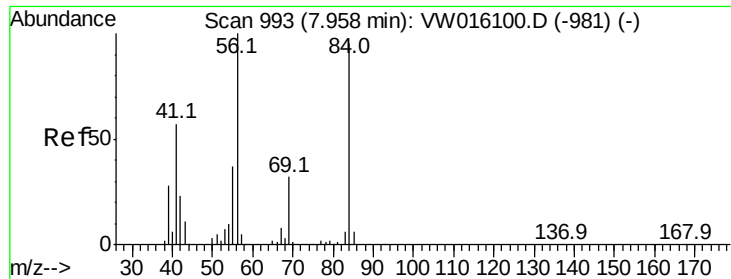
Tgt Ion: 62 Resp: 667013

Ion Ratio Lower Upper

62 100

98 9.9 7.7 11.5

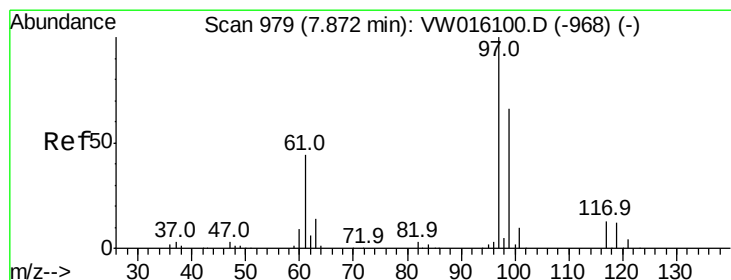
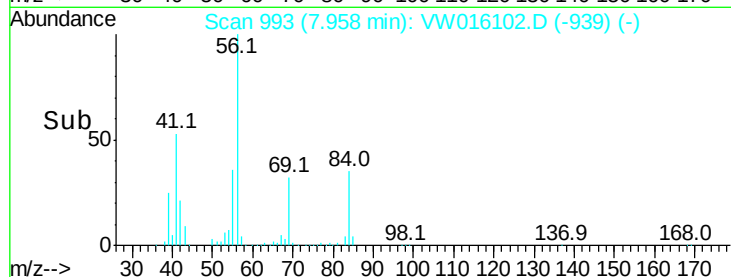
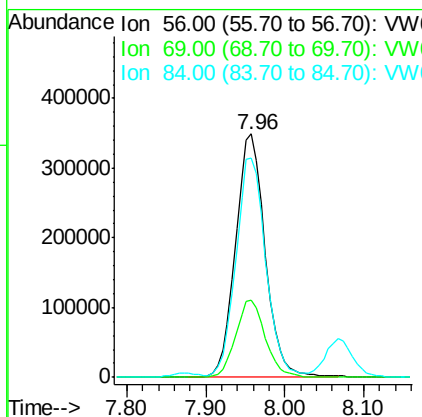
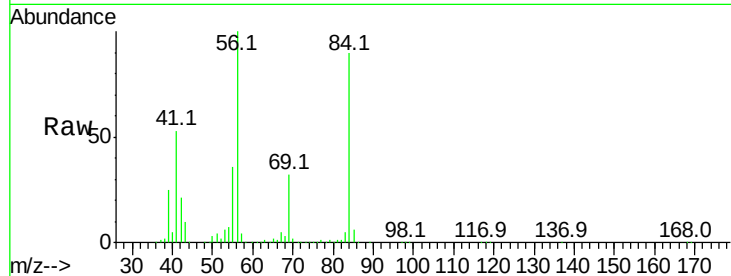




#30
Cyclohexane
Concen: 94.202 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW016102.D
Acq: 10 Aug 2020 13:37

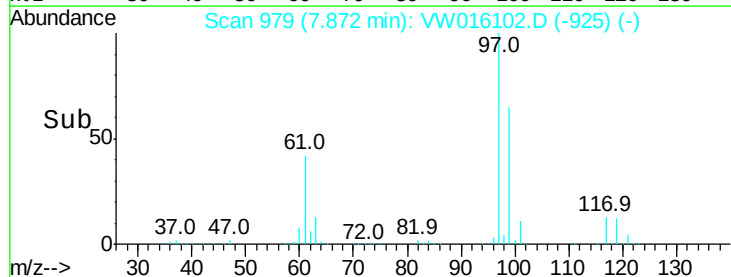
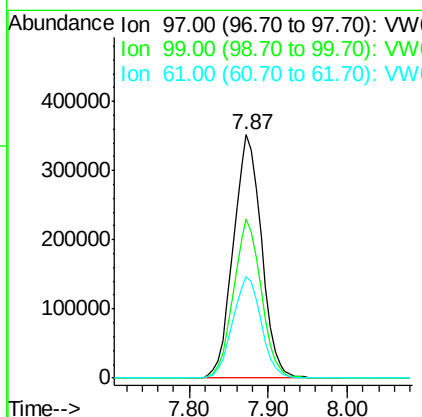
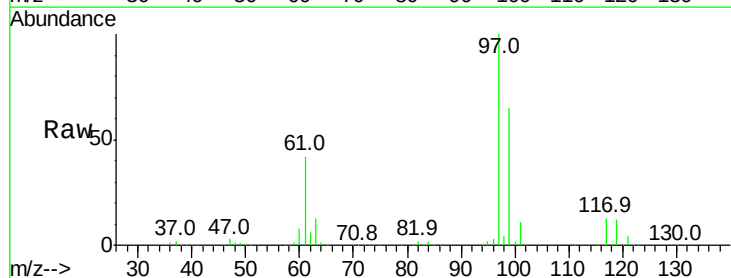
Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

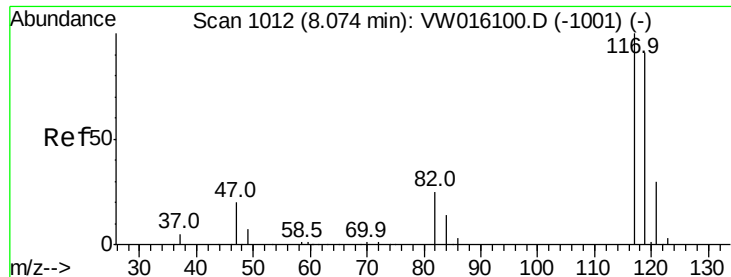
Tgt Ion: 56 Resp: 914960
Ion Ratio Lower Upper
56 100
69 31.8 25.4 38.0
84 90.7 73.0 109.6



#31
1,1,1-Trichloroethane
Concen: 97.083 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW016102.D
Acq: 10 Aug 2020 13:37

Tgt Ion: 97 Resp: 873196
Ion Ratio Lower Upper
97 100
99 64.3 51.6 77.4
61 42.2 34.5 51.7





#32

Carbon tetrachloride

Concen: 101.648 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

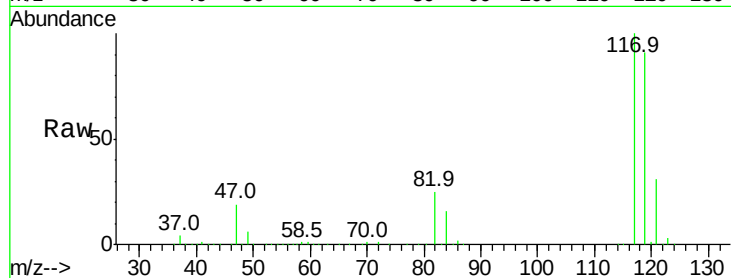
VSTD10005

Tgt Ion:117 Resp: 829055

Ion Ratio Lower Upper

117 100

119 96.6 75.2 112.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

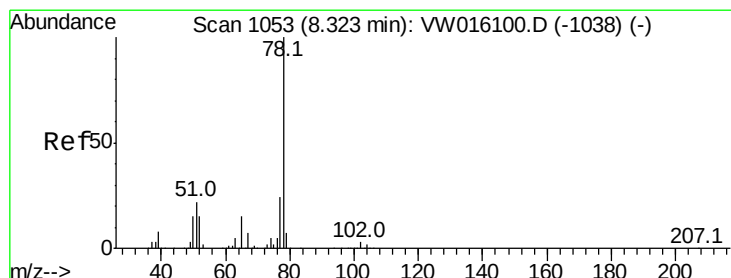
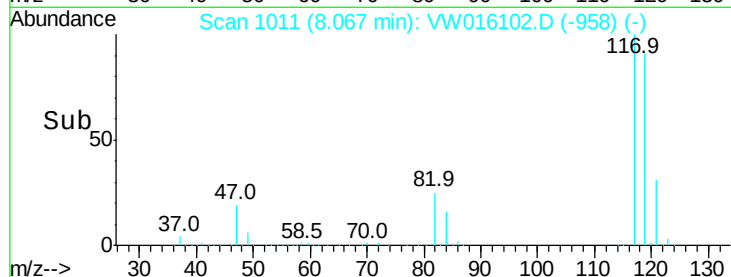
300000

200000

100000

0

Time-->



#34

Benzene

Concen: 95.084 ug/L

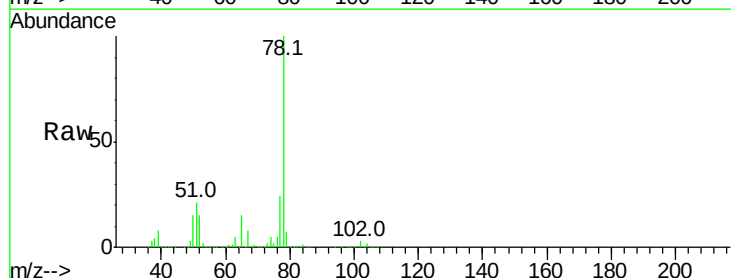
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

Tgt Ion: 78 Resp: 2224541



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

1000000

800000

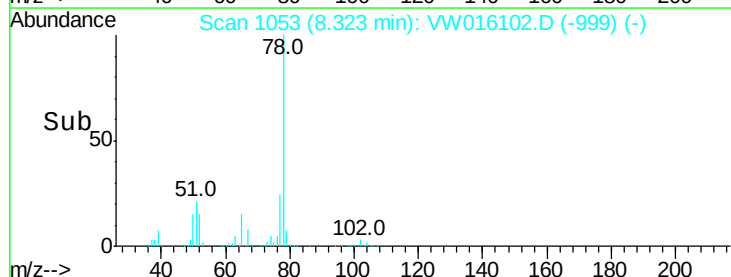
600000

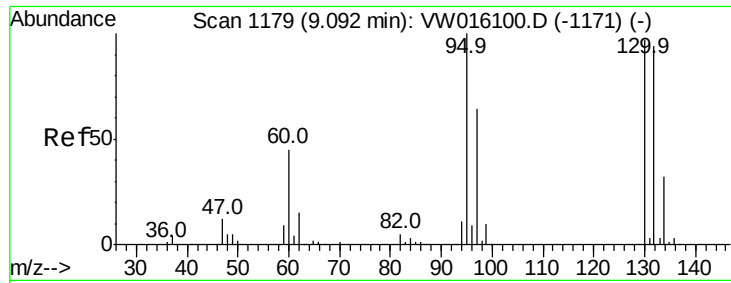
400000

200000

0

Time-->





#35

Trichloroethene

Concen: 97.206 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

Tgt Ion: 95 Resp: 601587

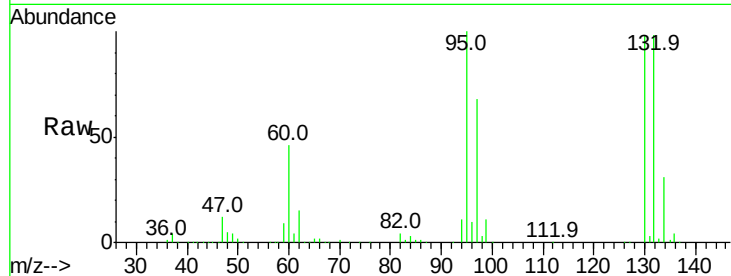
Ion Ratio Lower Upper

95 100

97 64.9 44.9 83.3

132 95.9 65.8 122.2

130 99.9 69.5 129.1

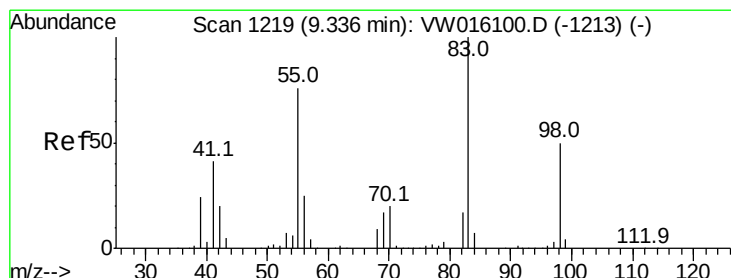
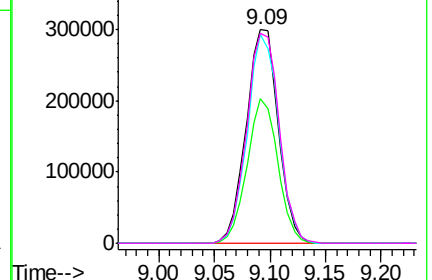
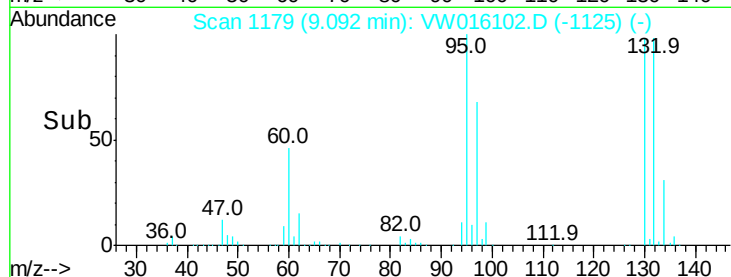


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 97.667 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

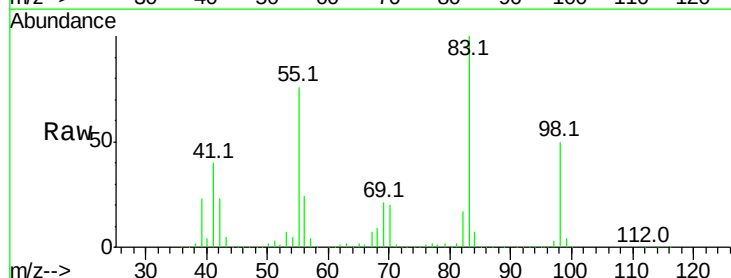
Tgt Ion: 83 Resp: 1037153

Ion Ratio Lower Upper

83 100

55 74.3 60.7 91.1

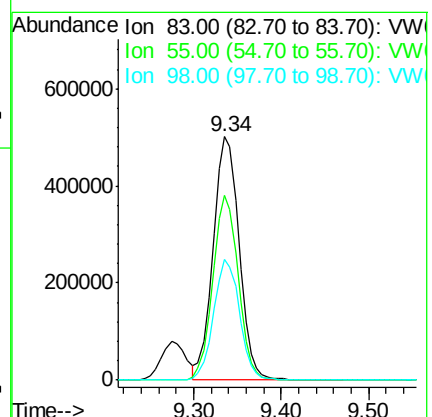
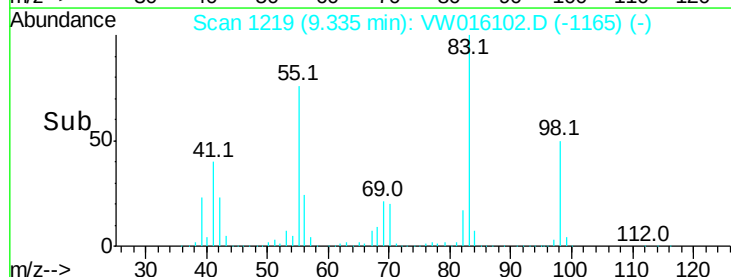
98 49.6 39.4 59.0

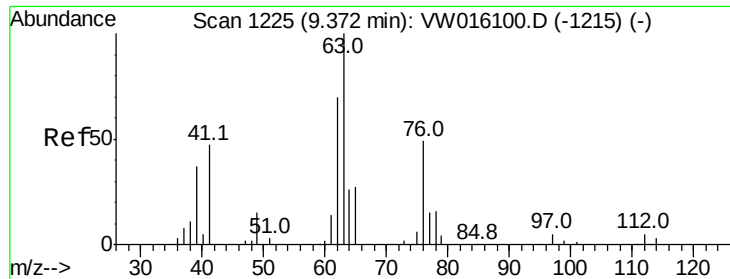


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

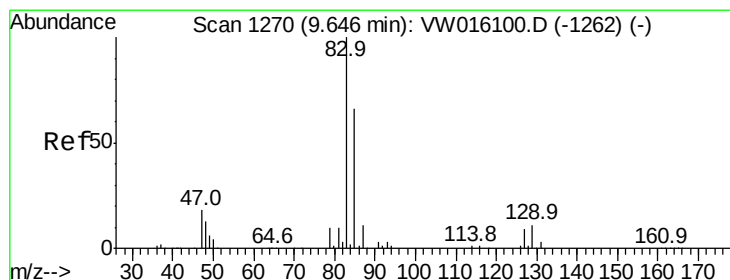
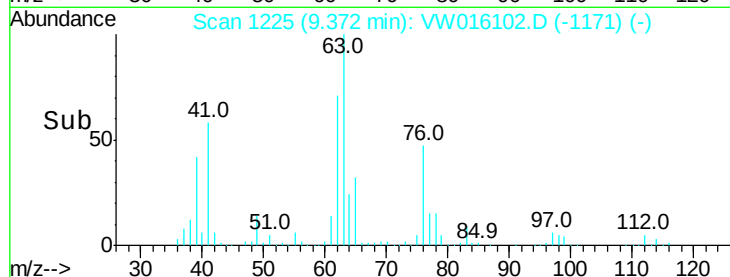
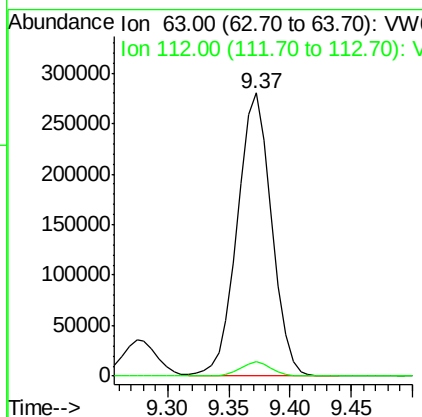
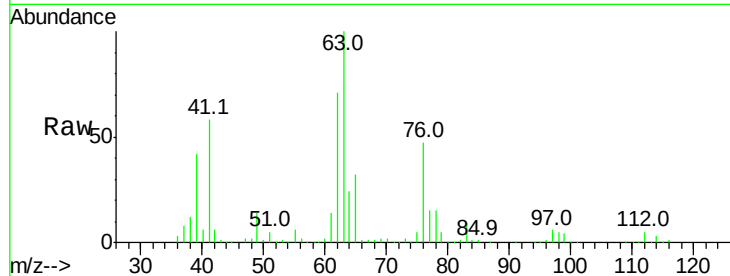




#40
 1,2-Dichloropropane
 Concen: 94.050 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016102.D
 Acq: 10 Aug 2020 13:37

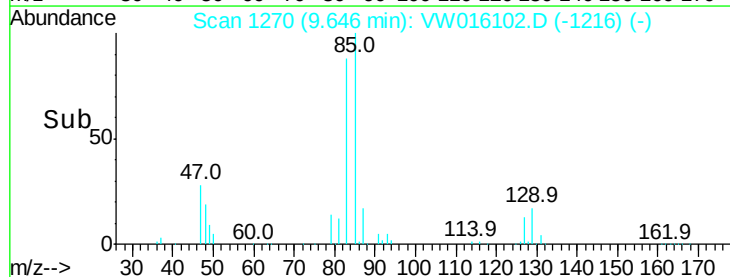
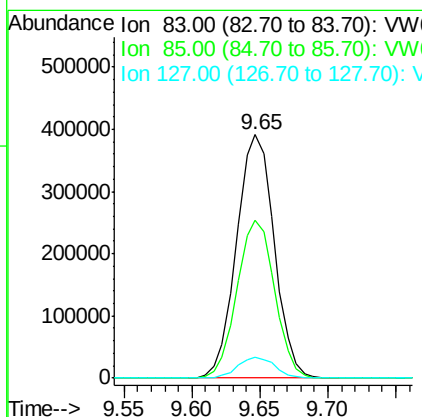
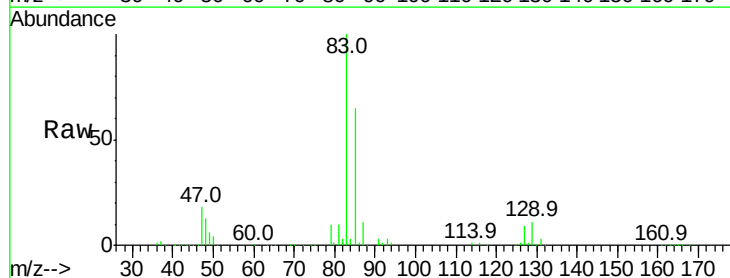
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

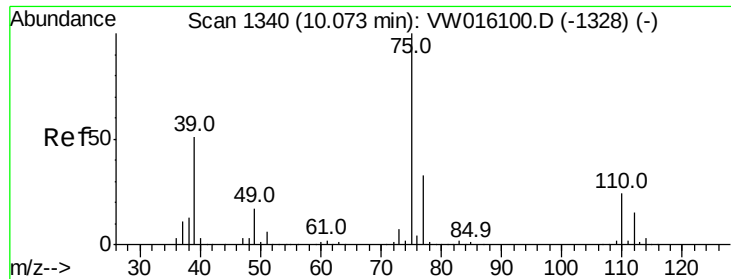
Tgt Ion: 63 Resp: 545089
 Ion Ratio Lower Upper
 63 100
 112 4.9 4.0 6.0



#41
 Bromodichloromethane
 Concen: 101.187 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016102.D
 Acq: 10 Aug 2020 13:37

Tgt Ion: 83 Resp: 757369
 Ion Ratio Lower Upper
 83 100
 85 65.0 46.1 85.5
 127 8.5 7.2 10.8





#42

cis-1,3-Dichloroprene

Concen: 102.316 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

Instrument :

MSVOA_W

ClientSampled :

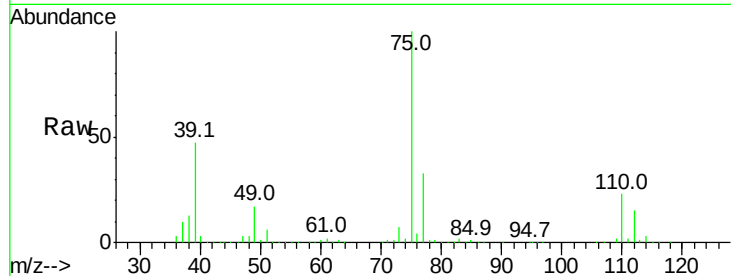
VSTD10005

Tgt Ion: 75 Resp: 903149

Ion Ratio Lower Upper

75 100

77 32.7 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

500000

400000

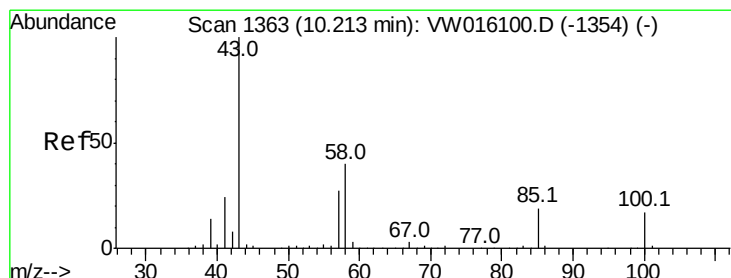
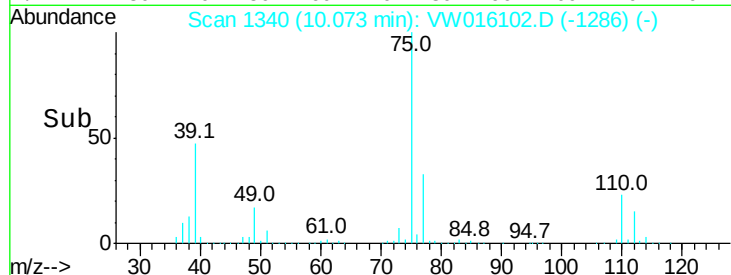
300000

200000

100000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 206.861 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

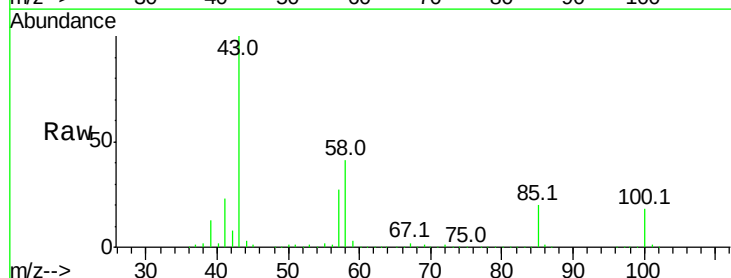
Tgt Ion: 43 Resp: 699793

Ion Ratio Lower Upper

43 100

58 40.7 32.1 48.1

100 17.8 13.8 20.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

1000000

800000

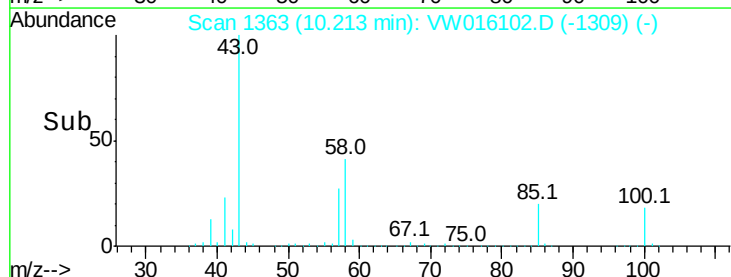
600000

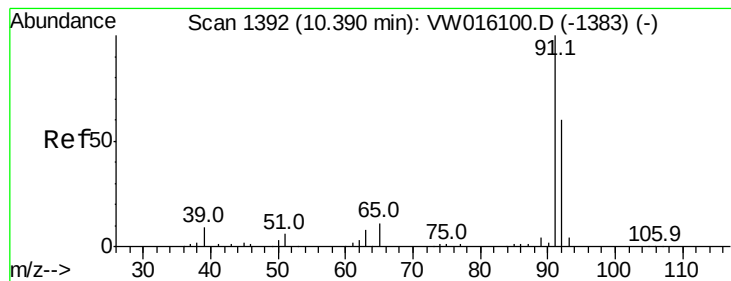
400000

200000

0

Time-->





#44

Toluene

Concen: 97.472 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

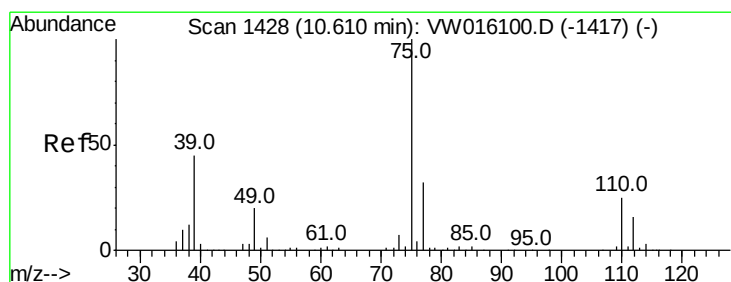
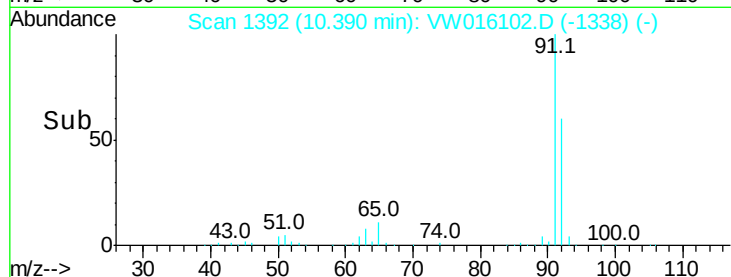
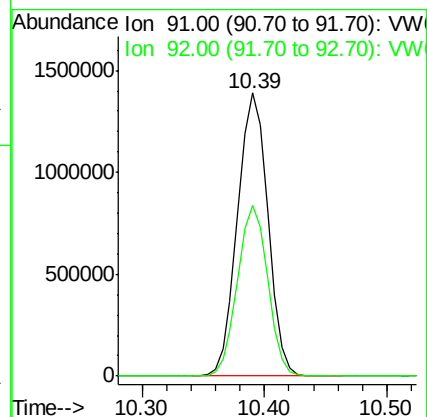
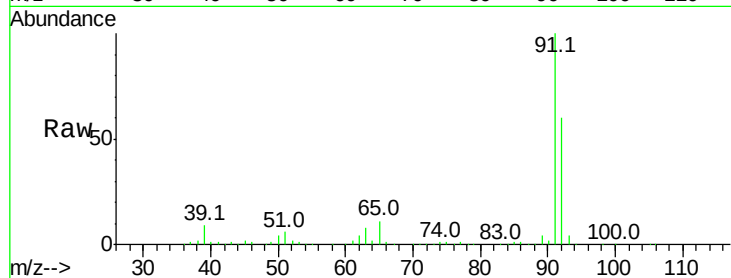
VSTD10005

Tgt Ion: 91 Resp: 2391716

Ion Ratio Lower Upper

91 100

92 60.1 41.8 77.6



#45

trans-1,3-Dichloropropene

Concen: 104.554 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016102.D

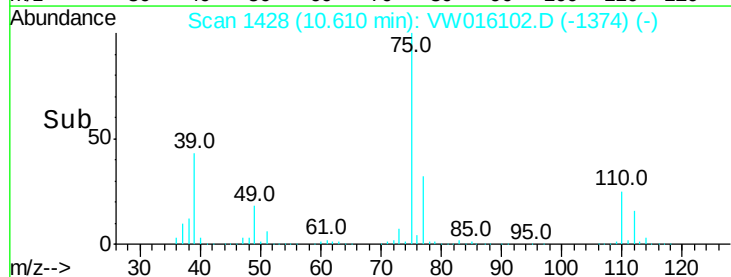
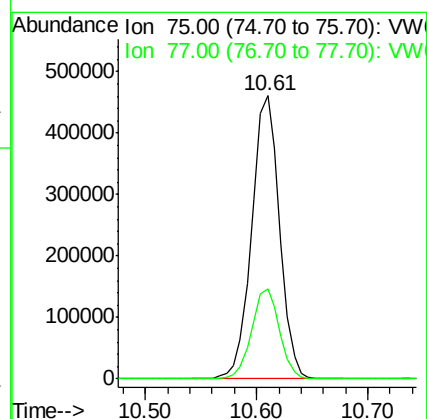
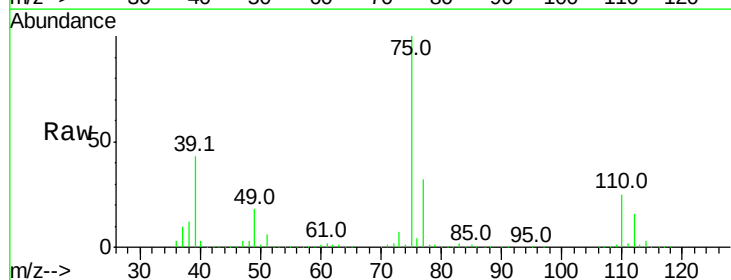
Acq: 10 Aug 2020 13:37

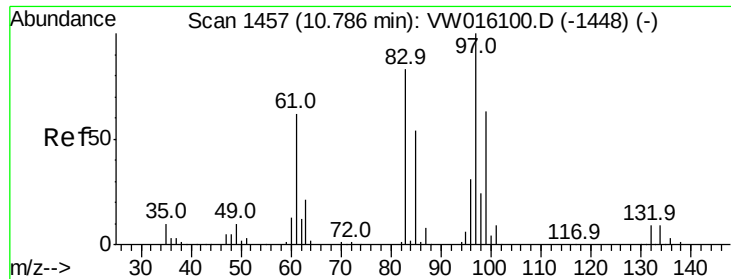
Tgt Ion: 75 Resp: 799954

Ion Ratio Lower Upper

75 100

77 31.9 22.7 42.1





#46

1,1,2-Trichloroethane

Concen: 101.847 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

Tgt Ion: 97 Resp: 424471

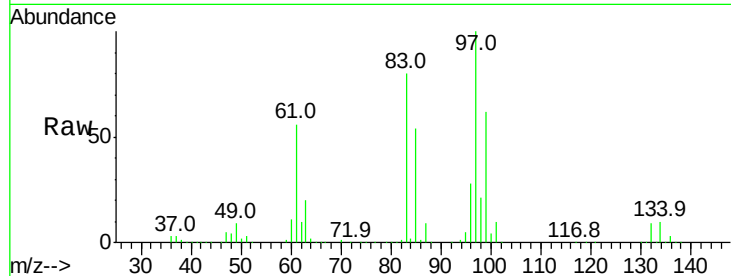
Ion Ratio Lower Upper

97 100

83 79.8 57.8 107.4

85 53.5 38.0 70.6

99 61.7 44.4 82.4

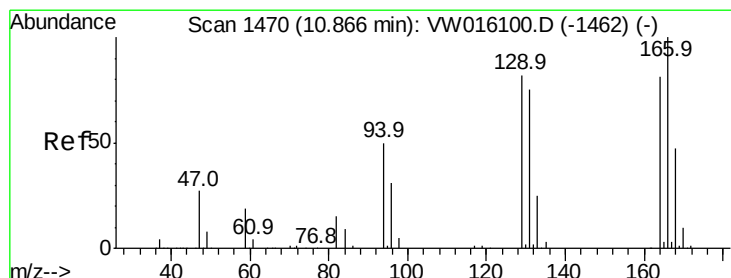
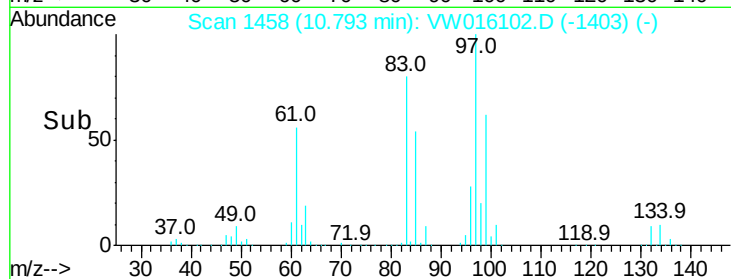
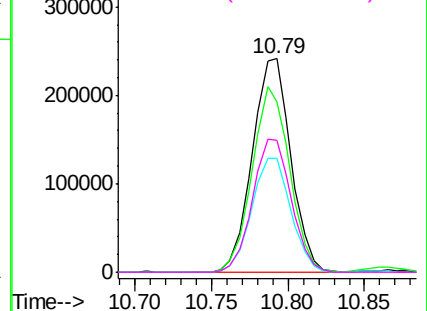


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 94.500 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

Tgt Ion: 164 Resp: 453961

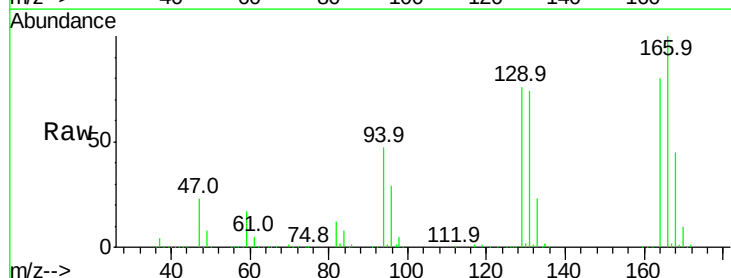
Ion Ratio Lower Upper

164 100

129 95.7 71.5 132.9

131 92.4 65.4 121.4

166 125.6 86.9 161.5

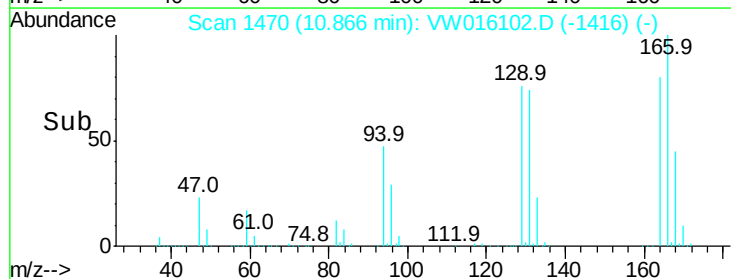
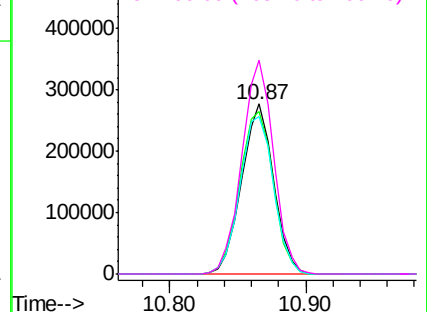


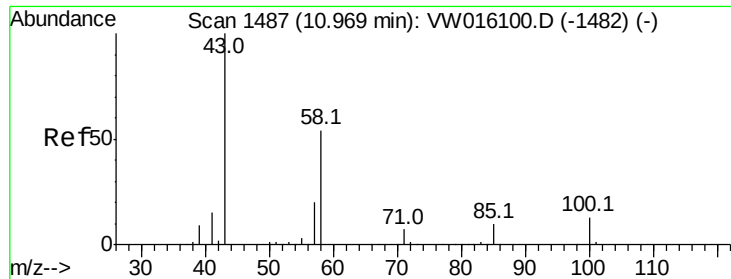
Abundance Ion 164.00 (163.70 to 164.70): V

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: 199.893 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

Tgt Ion: 43 Resp: 479871

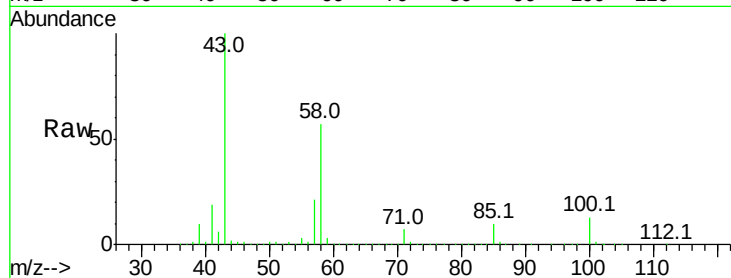
Ion Ratio Lower Upper

43 100

58 57.2 44.2 66.2

57 20.5 15.8 23.6

100 14.0 10.8 16.2

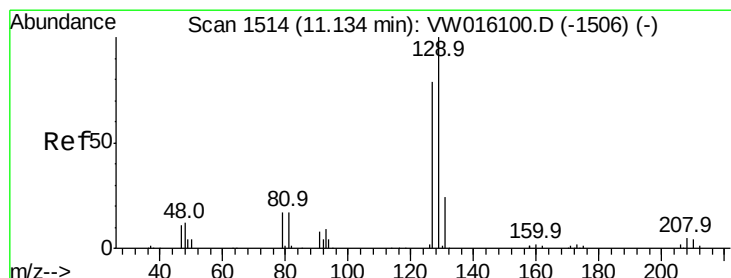
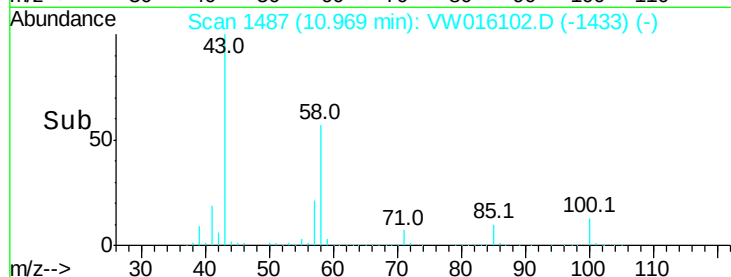
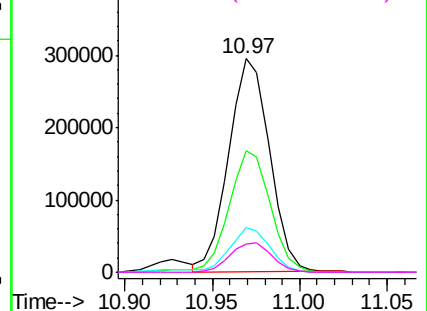


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 110.320 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW016102.D

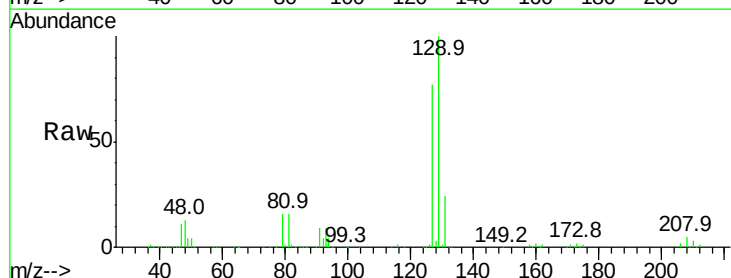
Acq: 10 Aug 2020 13:37

Tgt Ion: 129 Resp: 532317

Ion Ratio Lower Upper

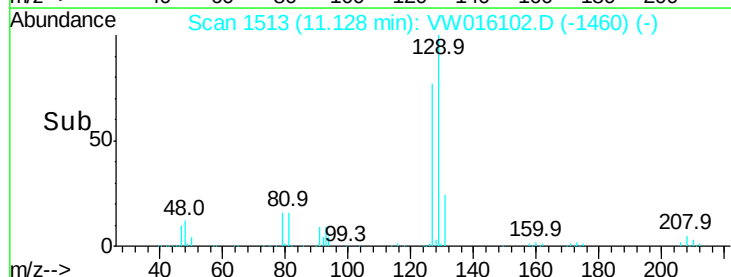
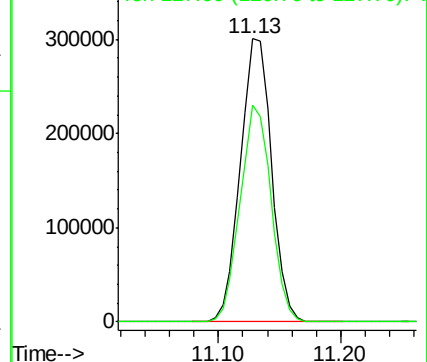
129 100

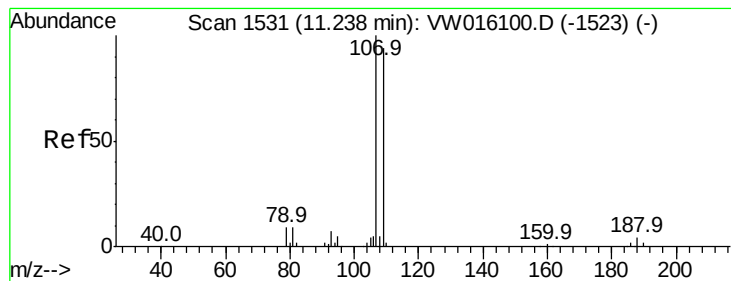
127 76.5 55.4 102.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 103.646 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

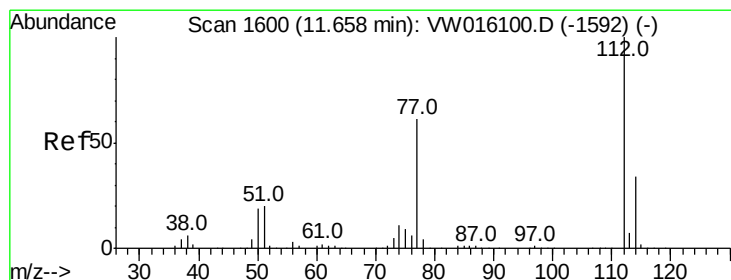
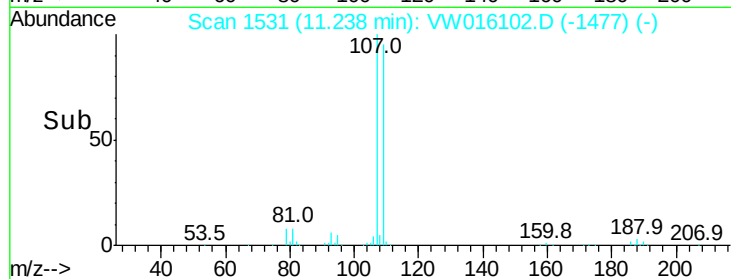
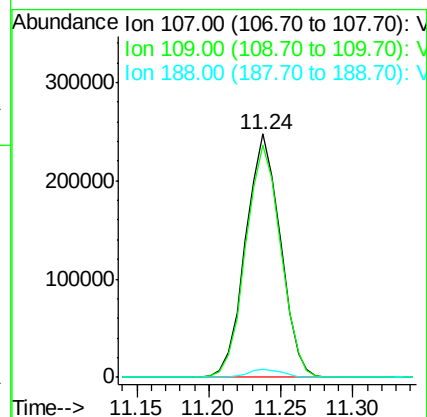
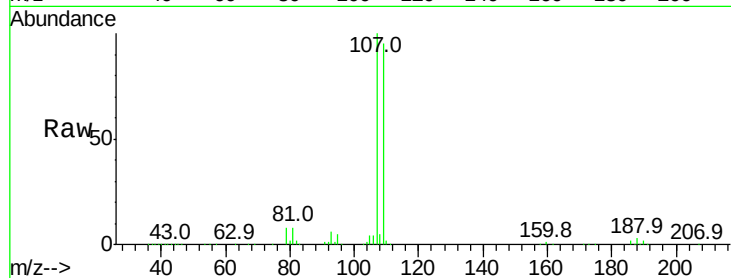
Tgt Ion:107 Resp: 413234

Ion Ratio Lower Upper

107 100

109 95.2 66.0 122.6

188 3.3 2.8 4.2



#52

Chlorobenzene

Concen: 97.952 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

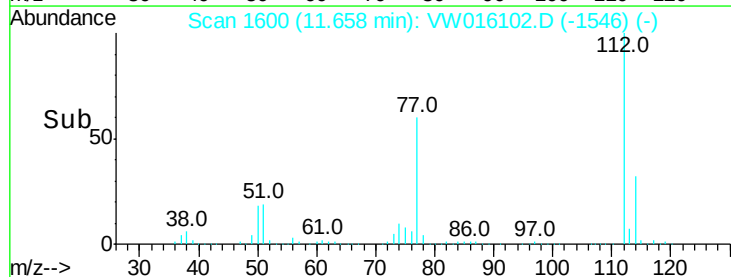
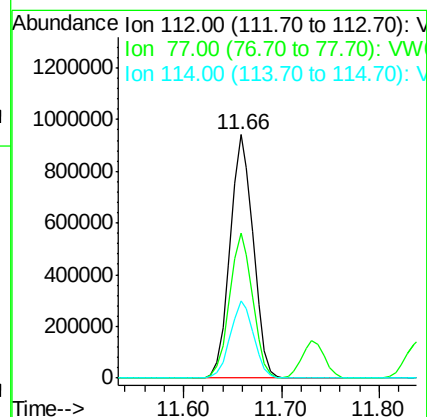
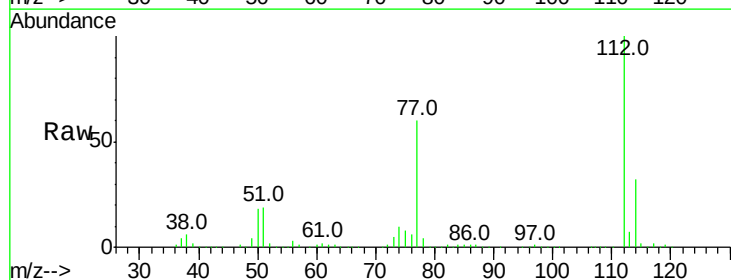
Tgt Ion:112 Resp: 1540105

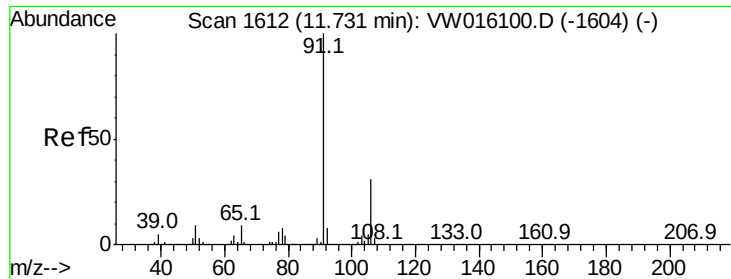
Ion Ratio Lower Upper

112 100

77 59.7 49.1 73.7

114 31.6 23.5 43.7

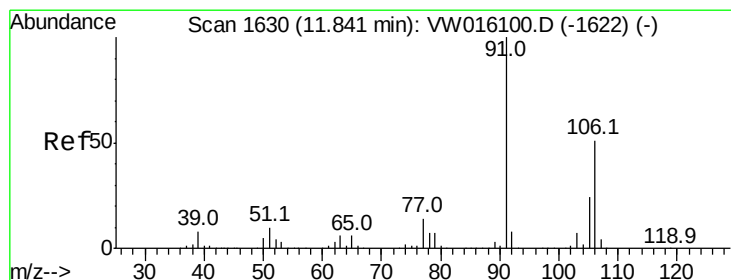
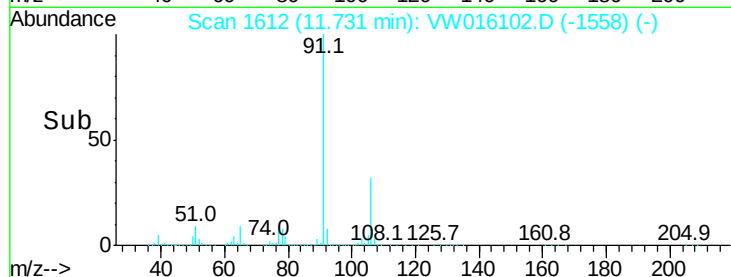
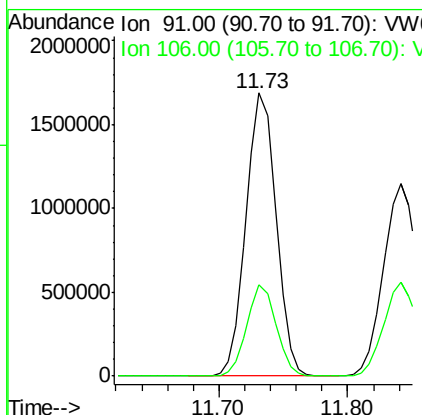
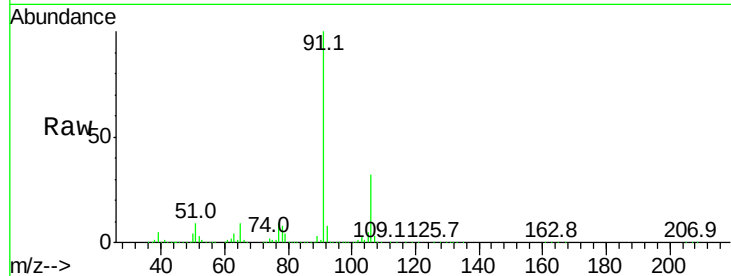




#53
Ethylbenzene
Concen: 98.772 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016102.D
Acq: 10 Aug 2020 13:37

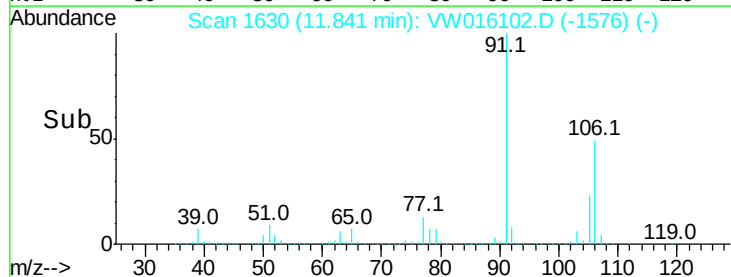
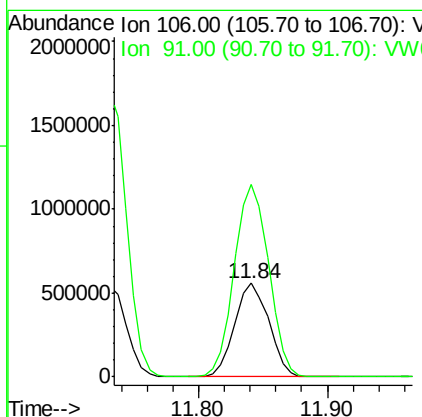
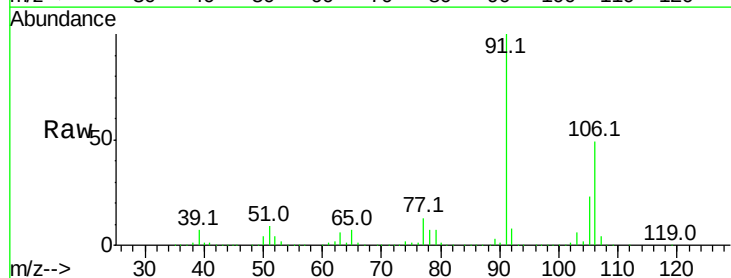
Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

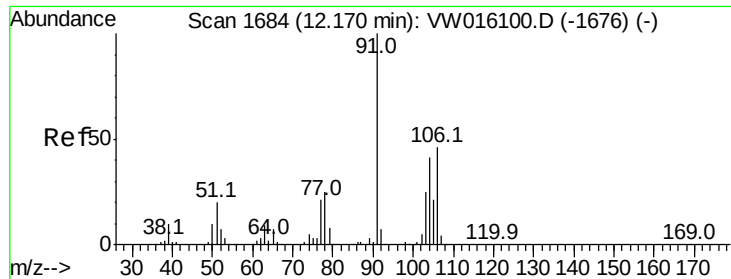
Tgt Ion: 91 Resp: 2725298
Ion Ratio Lower Upper
91 100
106 32.1 21.8 40.4



#54
m,p-Xylene
Concen: 100.350 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016102.D
Acq: 10 Aug 2020 13:37

Tgt Ion: 106 Resp: 1035909
Ion Ratio Lower Upper
106 100
91 205.5 136.4 253.2

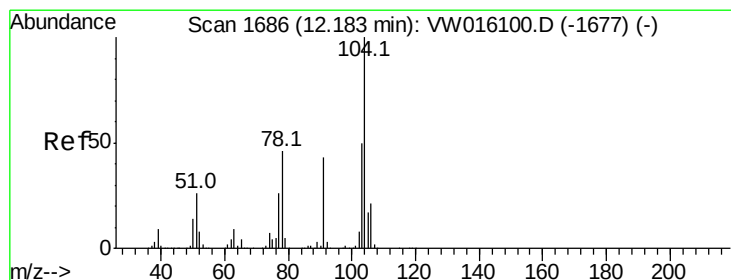
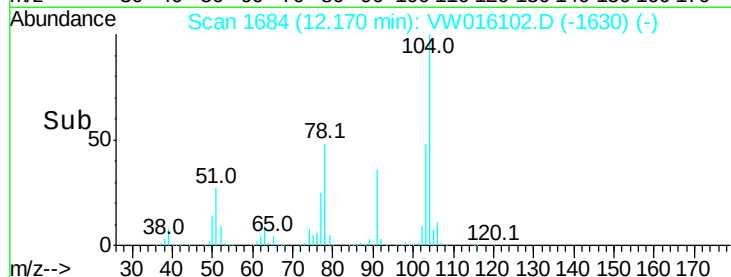
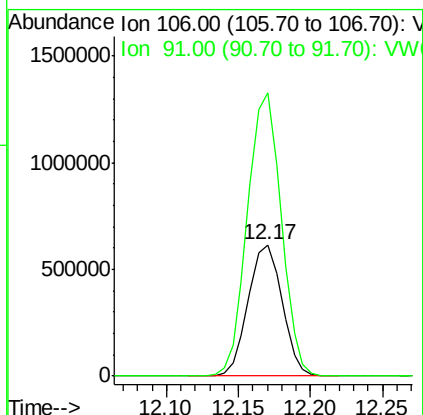
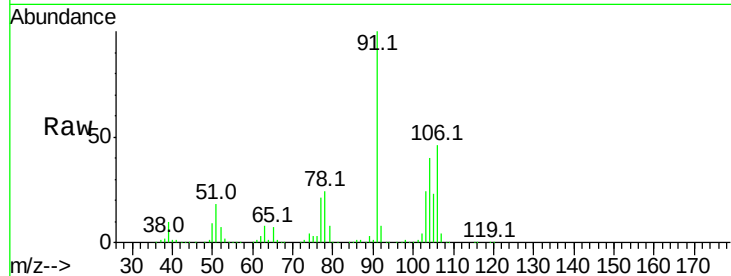




#55
o-xylene
Concen: 103.539 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016102.D
Acq: 10 Aug 2020 13:37

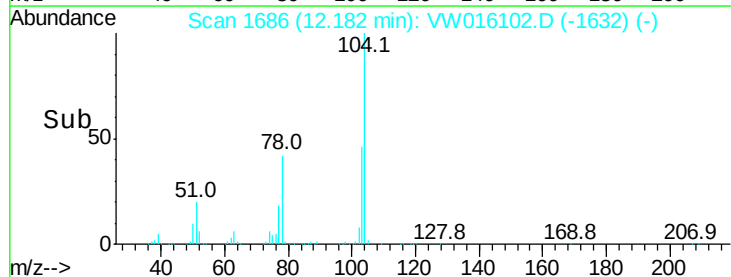
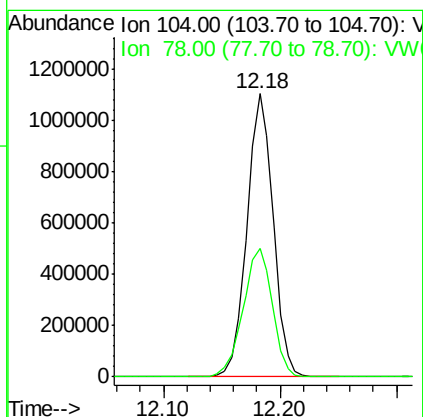
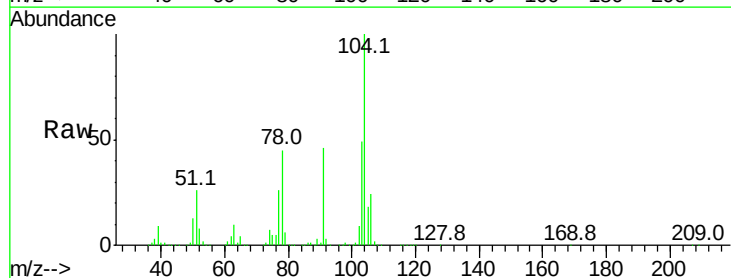
Instrument :
MSVOA_W
ClientSampled :
VSTD10005

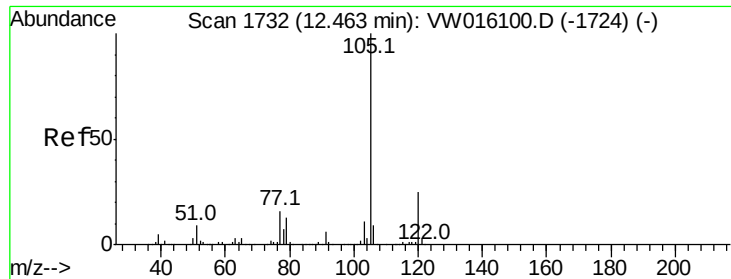
Tgt Ion:106 Resp: 1006442
Ion Ratio Lower Upper
106 100
91 216.0 151.3 281.1



#56
Styrene
Concen: 104.709 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016102.D
Acq: 10 Aug 2020 13:37

Tgt Ion:104 Resp: 1730884
Ion Ratio Lower Upper
104 100
78 45.4 32.0 59.4





#57

Isopropylbenzene

Concen: 102.147 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

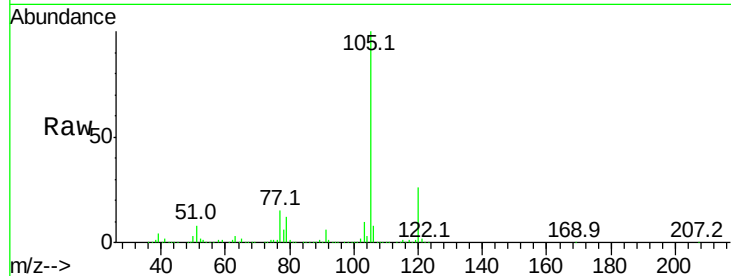
Tgt Ion:105 Resp: 2702884

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

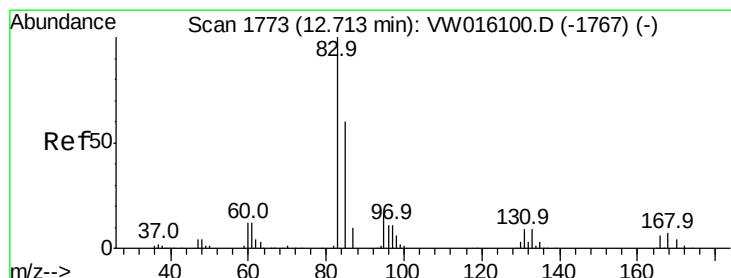
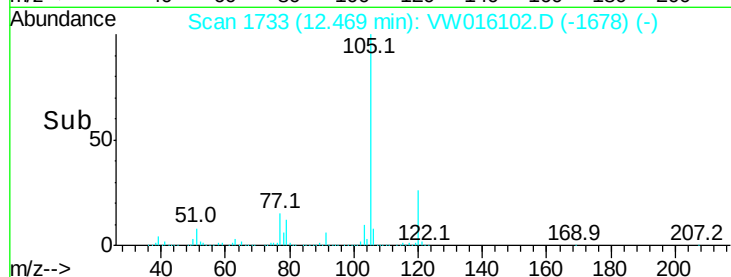
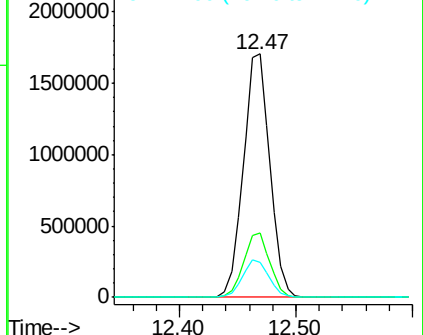
77 15.4 12.6 18.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 100.235 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

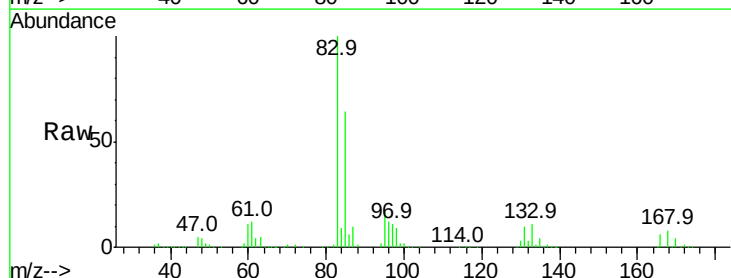
Tgt Ion: 83 Resp: 490550

Ion Ratio Lower Upper

83 100

85 63.6 42.4 78.8

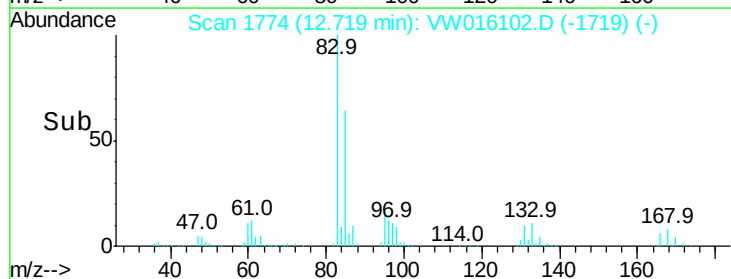
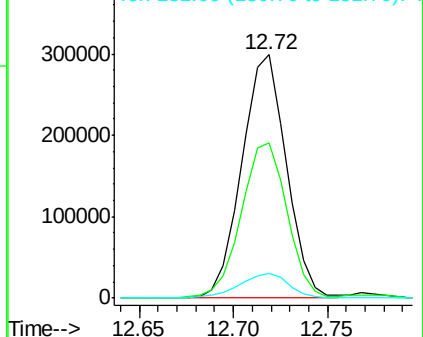
131 10.3 7.8 11.8

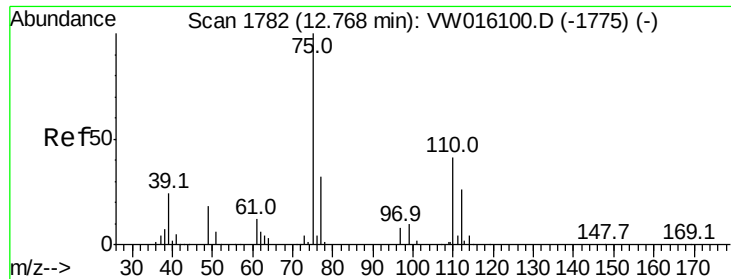


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 100.647 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

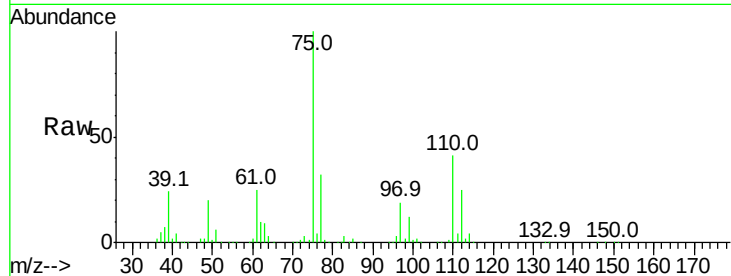
VSTD10005

Tgt Ion: 75 Resp: 369057

Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

250000

200000

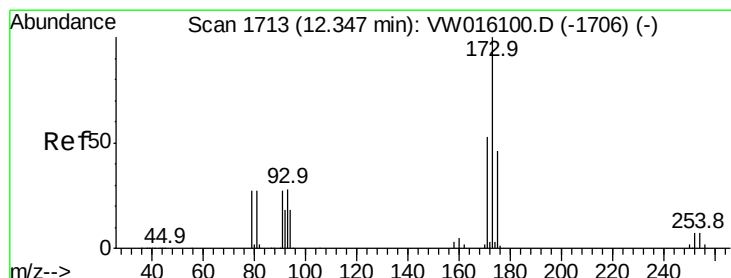
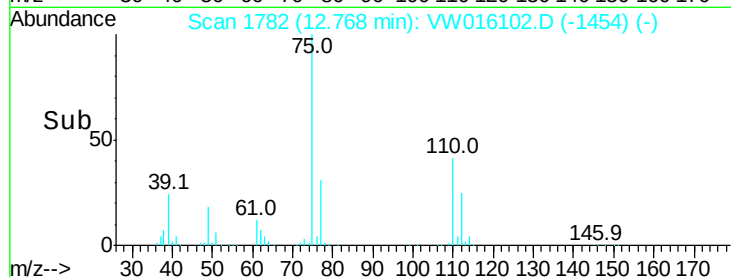
150000

100000

50000

0

Time-->



#62

Bromoform

Concen: 111.382 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

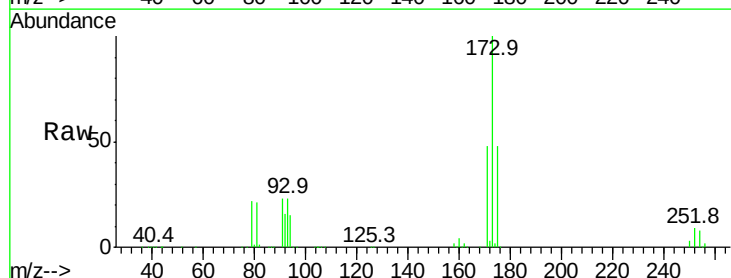
Tgt Ion: 173 Resp: 285122

Ion Ratio Lower Upper

173 100

175 49.3 37.8 56.6

254 8.1 6.8 10.2



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

12.35

200000

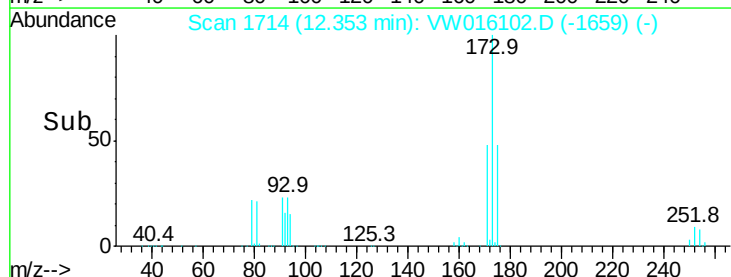
150000

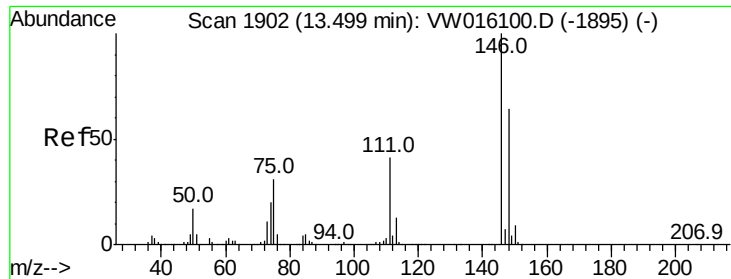
100000

50000

0

Time-->

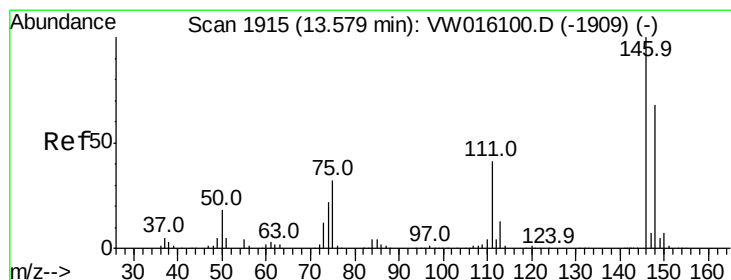
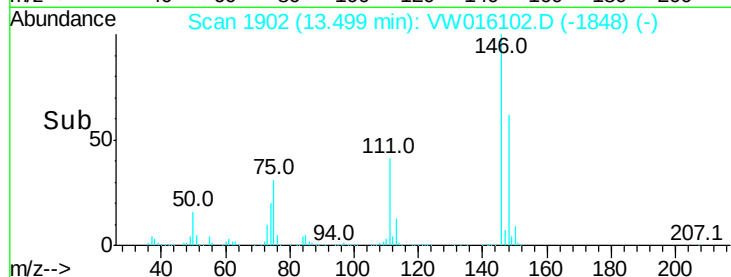
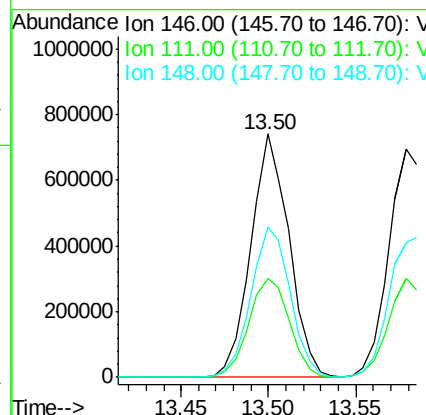
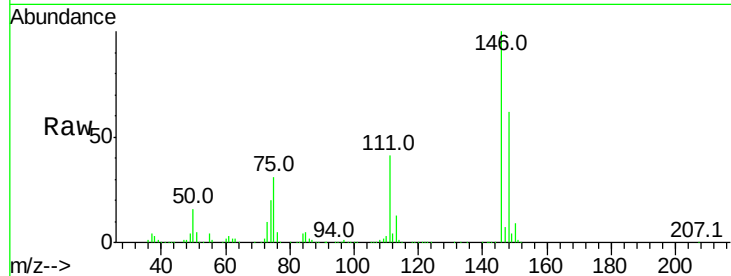




#63
 1,3-Dichlorobenzene
 Concen: 101.297 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016102.D
 Acq: 10 Aug 2020 13:37

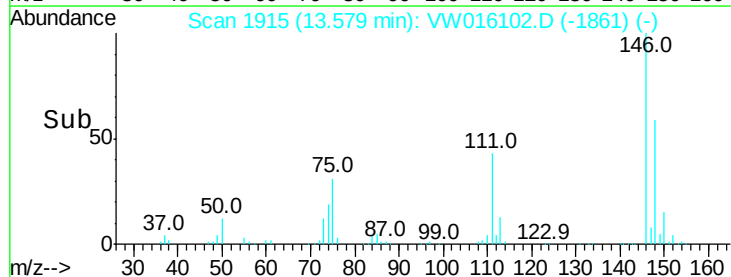
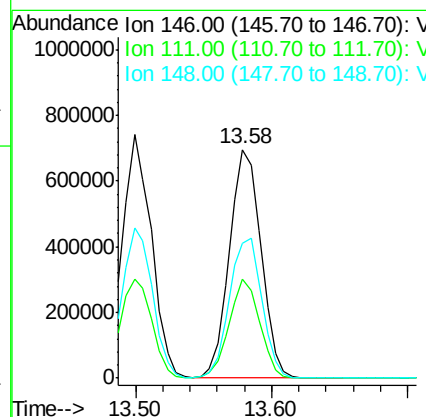
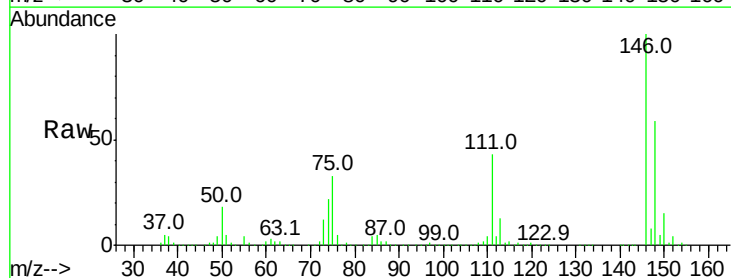
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

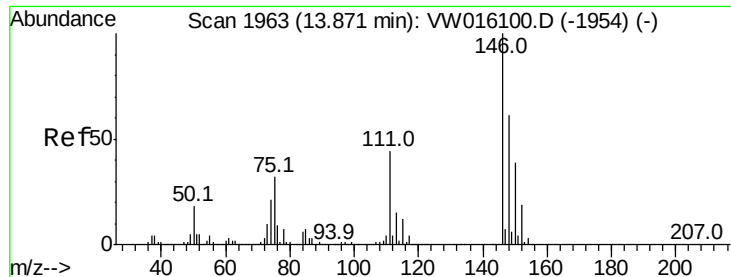
Tgt Ion:146 Resp: 1128161
 Ion Ratio Lower Upper
 146 100
 111 40.9 28.9 53.7
 148 61.9 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 99.481 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016102.D
 Acq: 10 Aug 2020 13:37

Tgt Ion:146 Resp: 1124445
 Ion Ratio Lower Upper
 146 100
 111 43.3 28.6 53.2
 148 59.3 47.7 88.5

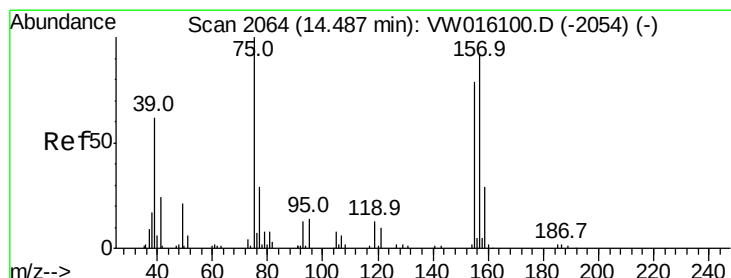
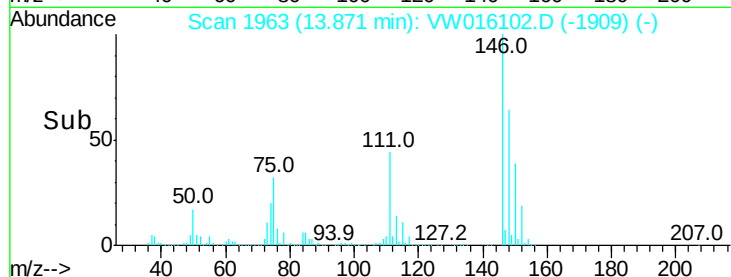
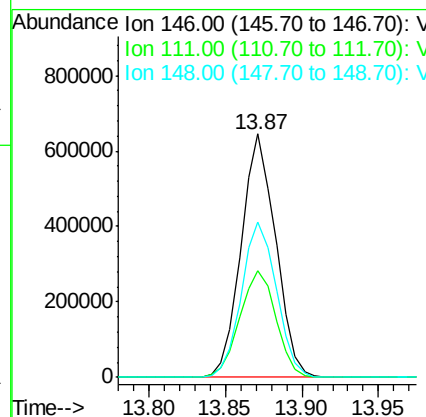
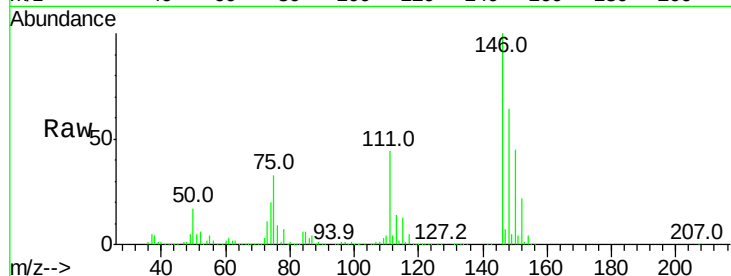




#65
 1,2-Dichlorobenzene
 Concen: 99.847 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016102.D
 Acq: 10 Aug 2020 13:37

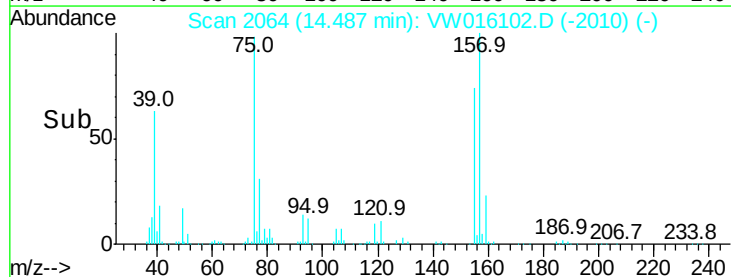
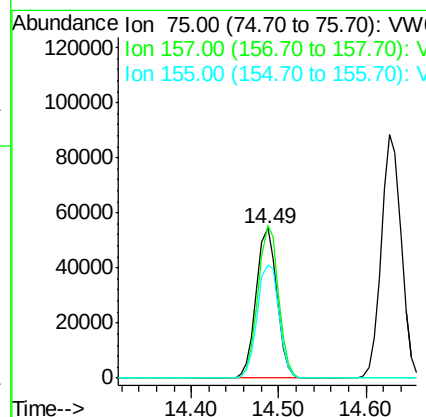
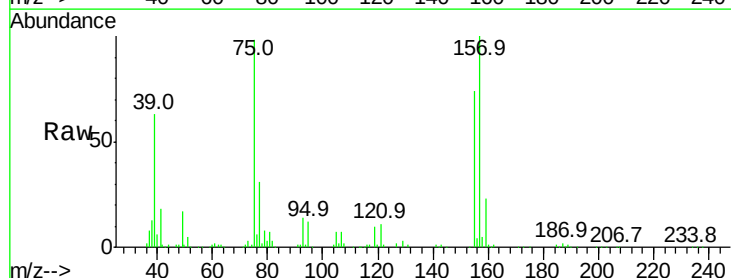
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

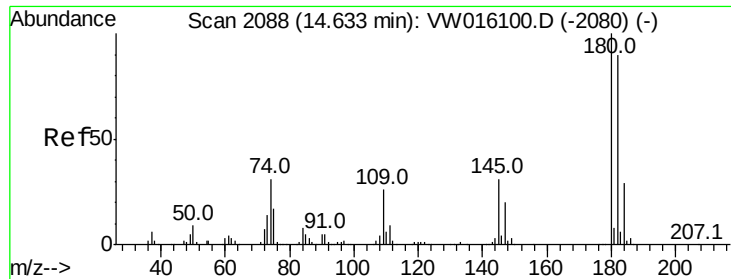
Tgt Ion:146 Resp: 1010078
 Ion Ratio Lower Upper
 146 100
 111 43.7 35.3 52.9
 148 64.0 49.0 73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 117.218 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016102.D
 Acq: 10 Aug 2020 13:37

Tgt Ion: 75 Resp: 89253
 Ion Ratio Lower Upper
 75 100
 157 102.0 73.9 110.9
 155 75.6 63.4 95.2

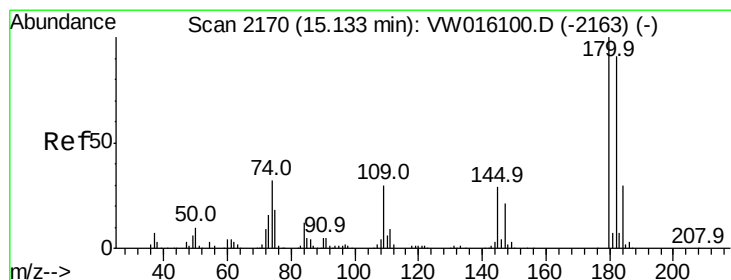
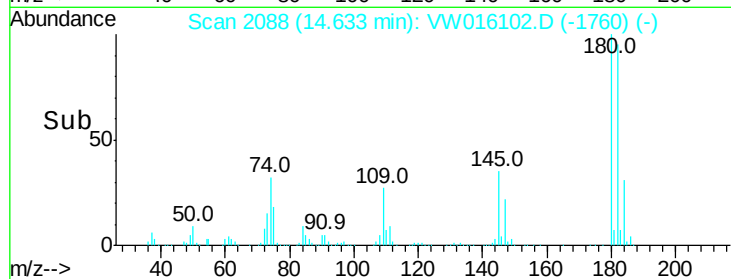
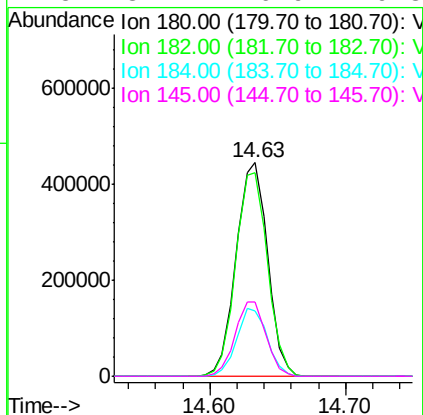
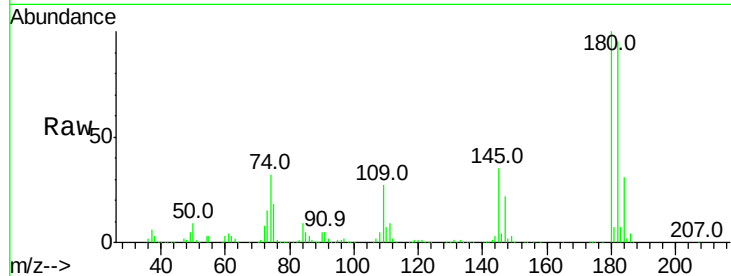




#67
 1,3,5-Trichlorobenzene
 Concen: 91.726 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW016102.D
 Acq: 10 Aug 2020 13:37

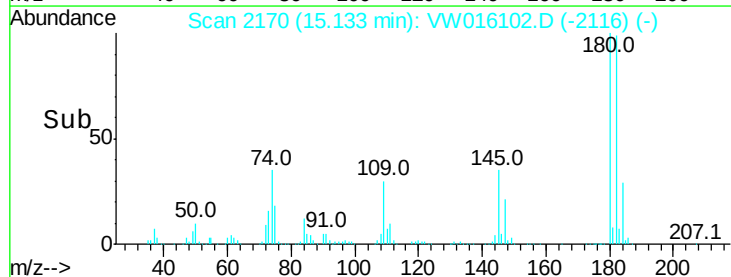
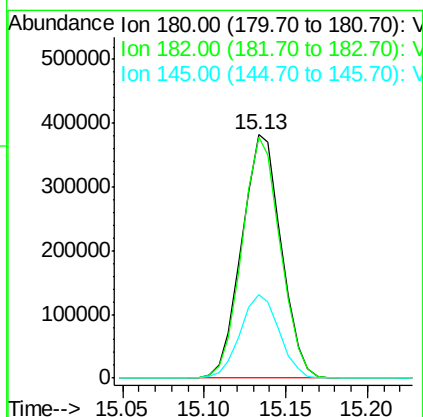
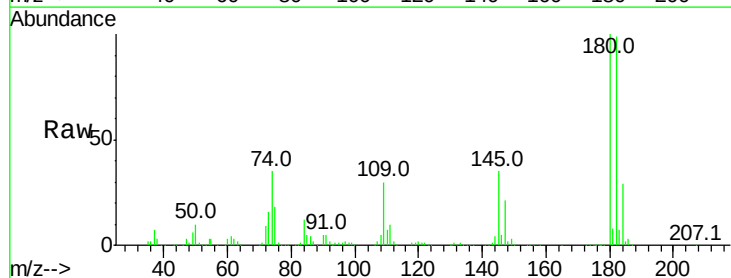
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

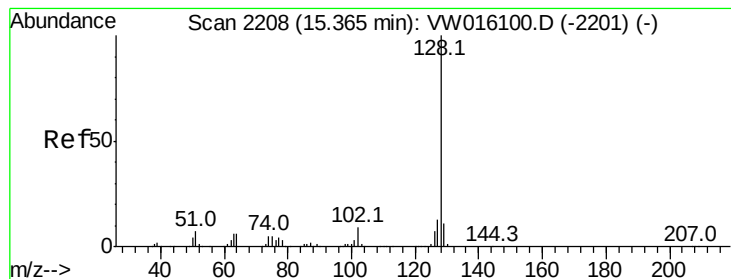
Tgt Ion:	180	Resp:	718301
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.3	114.5
184	30.9	25.1	37.7
145	34.2	26.9	40.3



#68
 1,2,4-trichlorobenzene
 Concen: 103.334 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016102.D
 Acq: 10 Aug 2020 13:37

Tgt Ion:	180	Resp:	642750
Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.8	116.8
145	33.9	26.5	39.7





#69

Naphthalene

Concen: 123.533 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

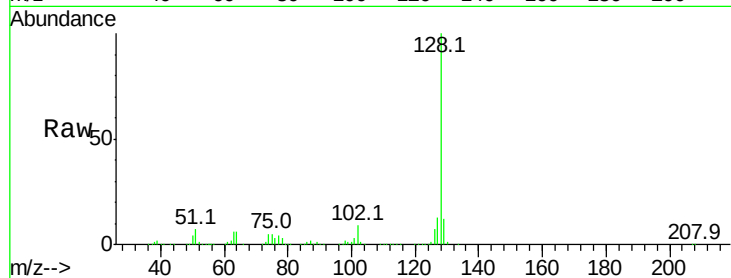
Tgt Ion:128 Resp: 1447590

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

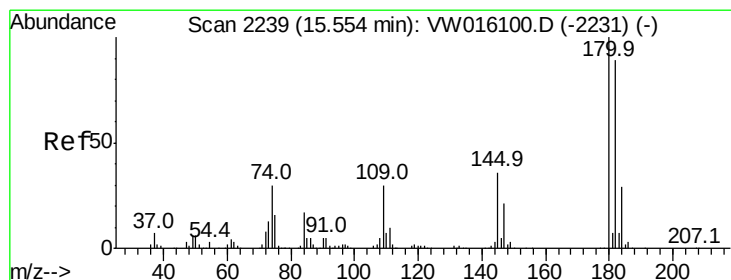
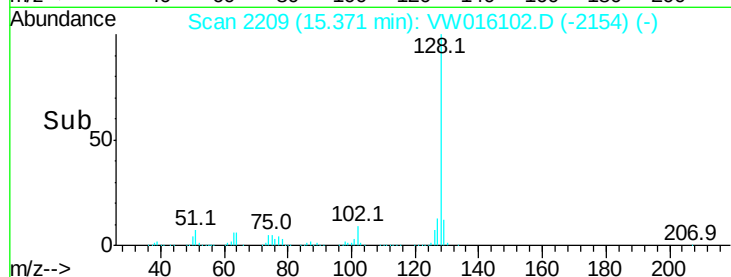
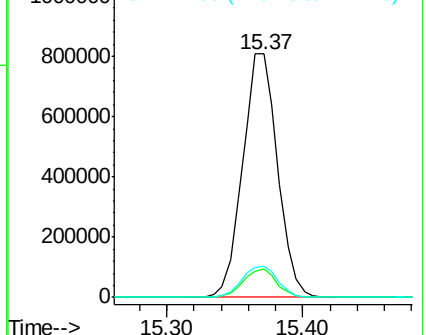
127 13.0 10.3 15.5



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: 101.813 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016102.D

Acq: 10 Aug 2020 13:37

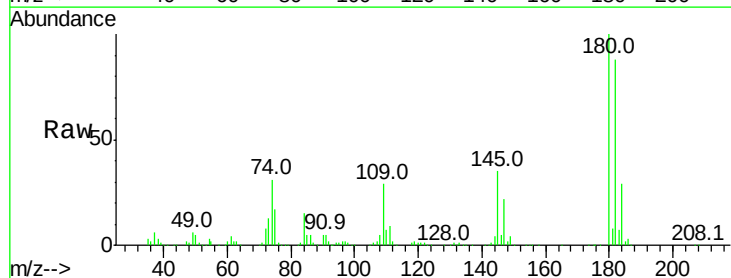
Tgt Ion:180 Resp: 564264

Ion Ratio Lower Upper

180 100

182 93.4 76.0 114.0

145 35.8 29.9 44.9



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

