

Data File : VW016100.D
Acq On : 10 Aug 2020 12:50
Operator : SY/VA
Sample : VSTD025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

Quant Time: Aug 10 13:20:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 10 12:21:16 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	420513	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	394602	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	189151	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	119417	20.13	ug/L	0.00
7) Chloroethane-d5	2.89	69	93349	19.37	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	262790	21.91	ug/L	0.00
20) 2-Butanone-d5	7.09	46	68690	44.07	ug/L	0.00
24) Chloroform-d	7.65	84	274159	23.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	146283	22.56	ug/L	0.00
29) Benzene-d6	8.27	84	517267	21.54	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	153961	21.38	ug/L	0.00
37) Toluene-d8	10.32	98	490128	22.53	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	69120	22.52	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	54948	45.83	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	126577	22.87	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	160302	21.73	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	109418	30.750	ug/L	97
3) Chloromethane	2.21	50	96441	22.410	ug/L	98
5) Vinyl chloride	2.37	62	138107	20.807	ug/L	100
6) Bromomethane	2.78	94	86244	21.779	ug/L	99
8) Chloroethane	2.93	64	78040	20.070	ug/L	100
9) Trichlorofluoromethane	3.26	101	96636	21.659	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	133879	24.547	ug/L	98
12) 1,1-Dichloroethene	4.04	96	130816	24.200	ug/L	95
13) Acetone	4.13	43	48389	36.968	ug/L	99
14) Carbon disulfide	4.38	76	423040	24.780	ug/L	99
15) Methyl Acetate	4.67	43	59385	24.061	ug/L	98
16) Methylene chloride	4.92	84	147576	21.417	ug/L	90
17) Methyl tert-butyl Ether	5.43	73	191651	25.072	ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	140709	24.650	ug/L	95
19) 1,1-Dichloroethane	6.21	63	246561	23.439	ug/L	99
21) 2-Butanone	7.18	43	76748	47.415	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	147093	24.629	ug/L	94
23) Bromochloromethane	7.51	128	66783	25.501	ug/L	93
25) Chloroform	7.68	83	262625	25.191	ug/L	99
27) 1,2-Dichloroethane	8.40	62	176326	24.856	ug/L	98
30) Cyclohexane	7.96	56	218673	21.978	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	223192	24.223	ug/L	97
32) Carbon tetrachloride	8.07	117	210515	25.196	ug/L	98
34) Benzene	8.32	78	567376	23.674	ug/L	100
35) Trichloroethene	9.09	95	149851	23.636	ug/L	99
36) Methylcyclohexane	9.34	83	255753	23.510	ug/L	97
40) 1,2-Dichloropropane	9.37	63	140716	23.701	ug/L	99
41) Bromodichloromethane	9.65	83	189779	24.751	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	216546	23.947	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	169036	48.777	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	612397	24.363	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	194751	24.847	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	107714	25.229	ug/L	97
47) Tetrachloroethene	10.87	164	112641	22.889	ug/L	98
49) 2-Hexanone	10.97	43	117551	47.799	ug/L	97
50) Dibromochloromethane	11.13	129	126412	25.574	ug/L	97
51) 1,2-Dibromoethane	11.24	107	103235	25.276	ug/L	99
52) Chlorobenzene	11.66	112	388960	24.149	ug/L	97
53) Ethylbenzene	11.73	91	698059	24.696	ug/L	98
54) m,p-Xylene	11.84	106	261922	24.768	ug/L	93
55) o-xylene	12.17	106	251353	25.242	ug/L	96
56) Styrene	12.18	104	439510	25.954	ug/L	100
57) Isopropylbenzene	12.46	105	677807	25.005	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	127066	25.345	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	96329	25.644	ug/L	100
62) Bromoform	12.35	173	68794	24.724	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	296425	24.486	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	289451	23.559	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	271281	24.670	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	22601	27.307	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	185276	21.766	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	153369	22.684	ug/L	97
69) Naphthalene	15.36	128	335676	26.353	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	142358	23.631	ug/L	96

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

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ClientSampleId :
VSTD02503

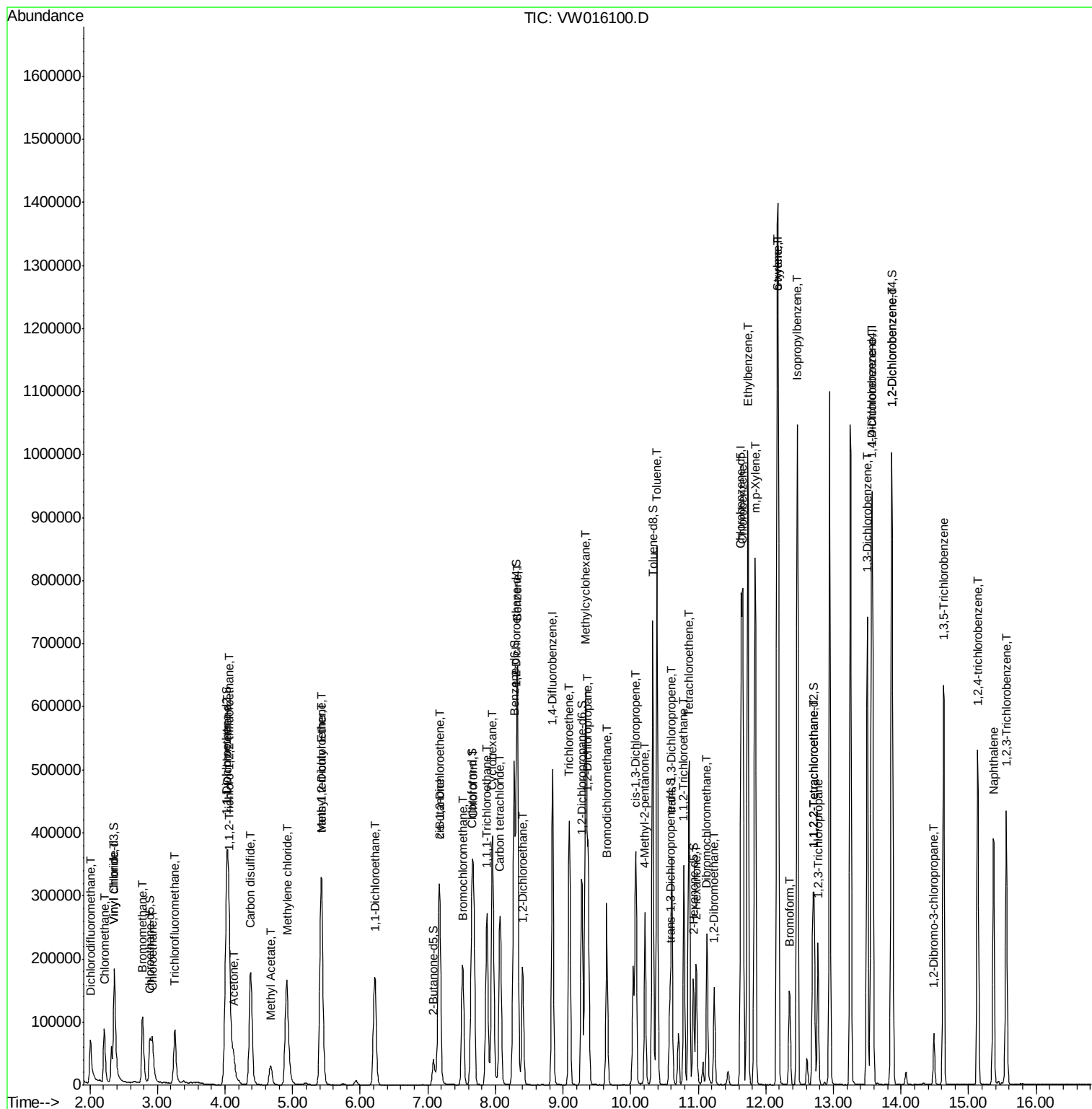
Quant Time: Aug 10 13:20:45 2020

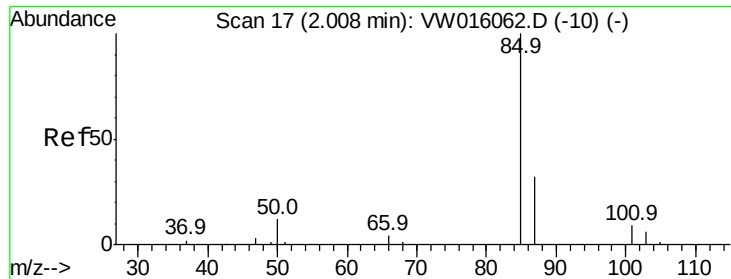
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 30.750 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW016100.D

Acq: 10 Aug 2020 12:50

Instrument :

MSVOA_W

ClientSampleId :

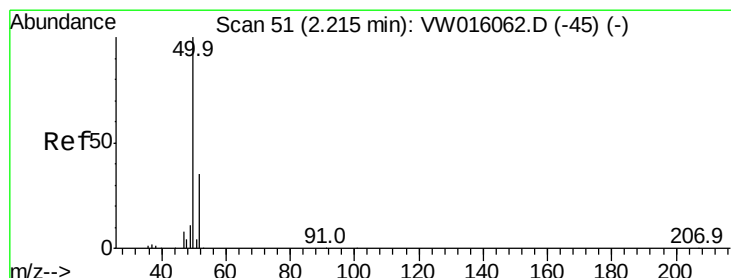
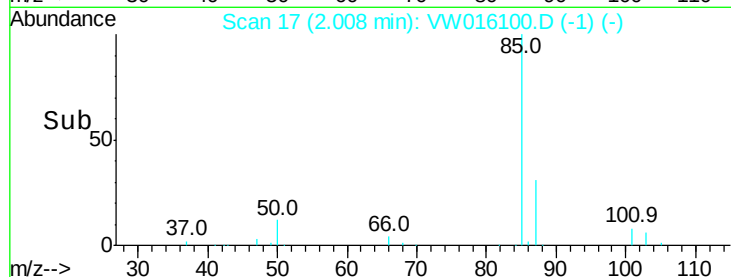
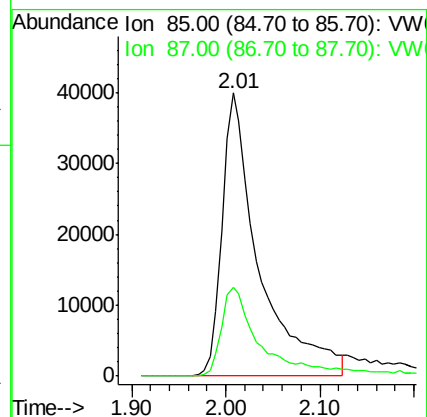
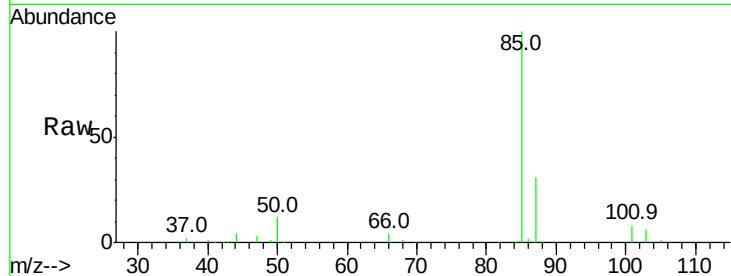
VSTD02503

Tgt Ion: 85 Resp: 109418

Ion Ratio Lower Upper

85 100

87 31.5 21.0 39.0



#3

Chloromethane

Concen: 22.410 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016100.D

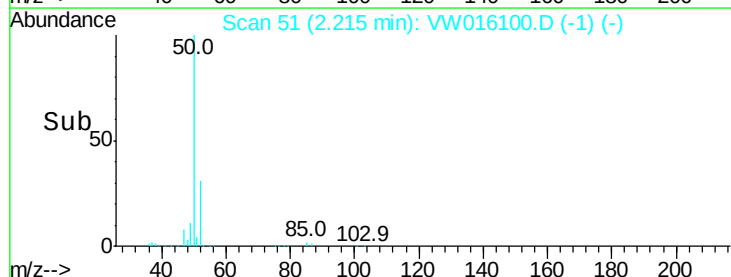
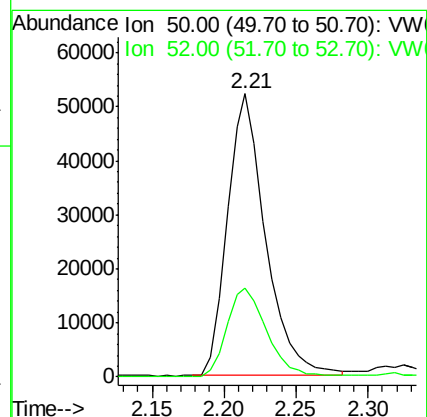
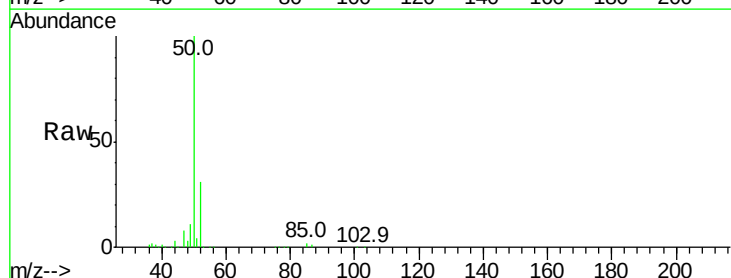
Acq: 10 Aug 2020 12:50

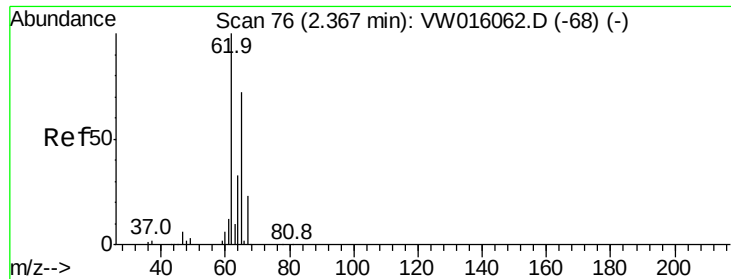
Tgt Ion: 50 Resp: 96441

Ion Ratio Lower Upper

50 100

52 31.4 22.8 42.4





#5

Vinyl chloride

Concen: 20.807 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW016100.D

Acq: 10 Aug 2020 12:50

Instrument :

MSVOA_W

ClientSampleId :

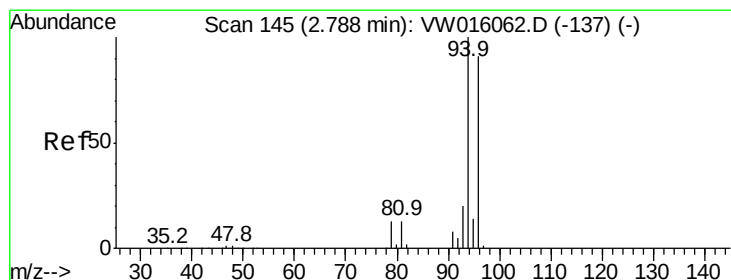
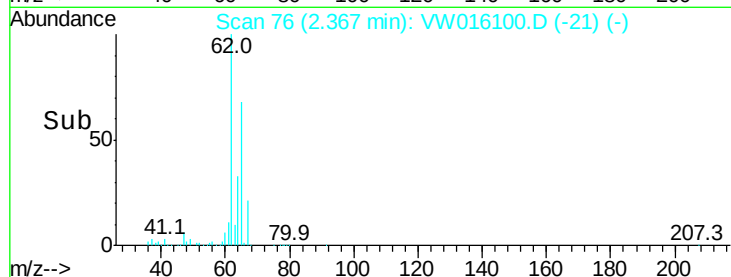
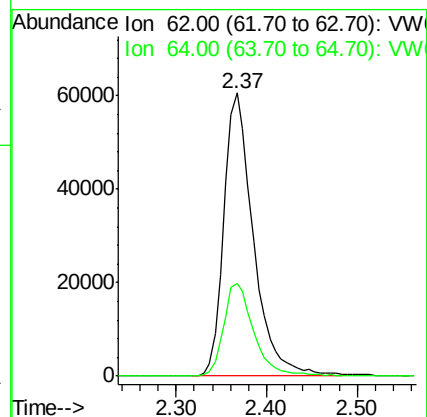
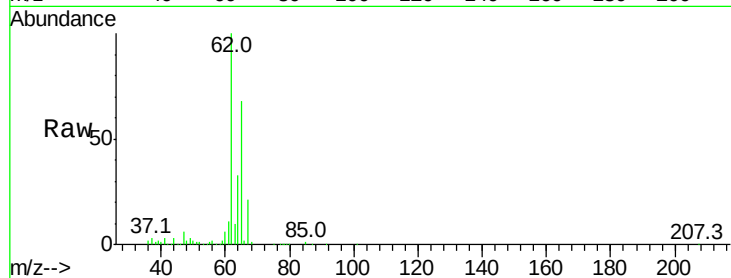
VSTD02503

Tgt Ion: 62 Resp: 138107

Ion Ratio Lower Upper

62 100

64 32.9 23.2 43.0



#6

Bromomethane

Concen: 21.779 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW016100.D

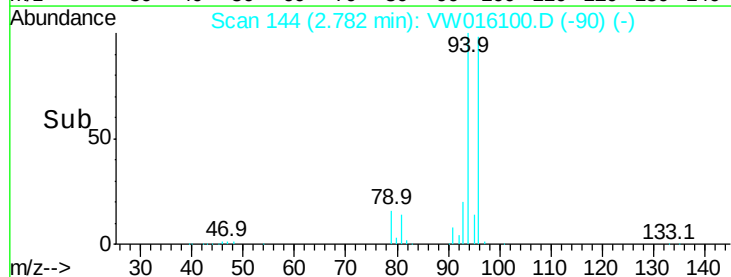
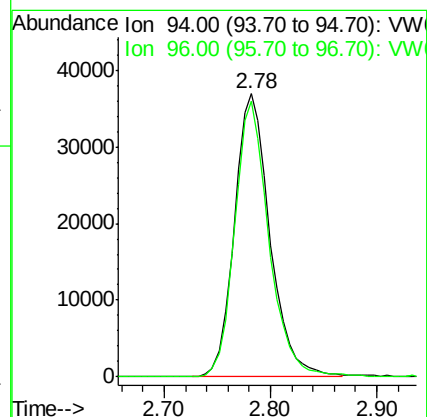
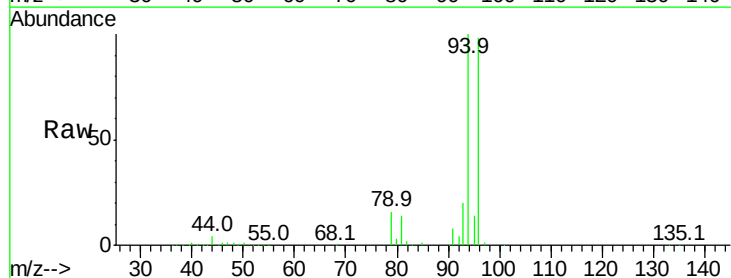
Acq: 10 Aug 2020 12:50

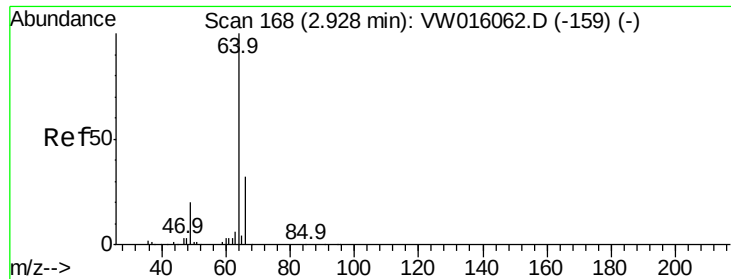
Tgt Ion: 94 Resp: 86244

Ion Ratio Lower Upper

94 100

96 93.8 9.5 180.1





#8

Chloroethane

Concen: 20.070 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016100.D

Acq: 10 Aug 2020 12:50

Instrument :

MSVOA_W

ClientSampleId :

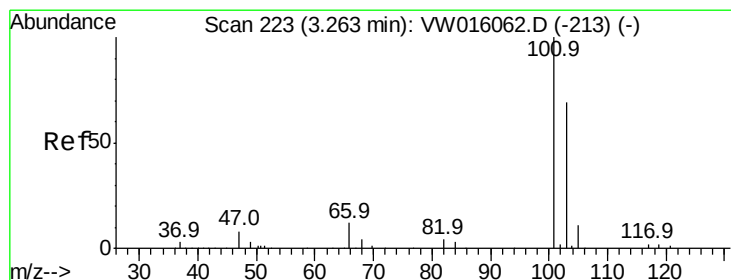
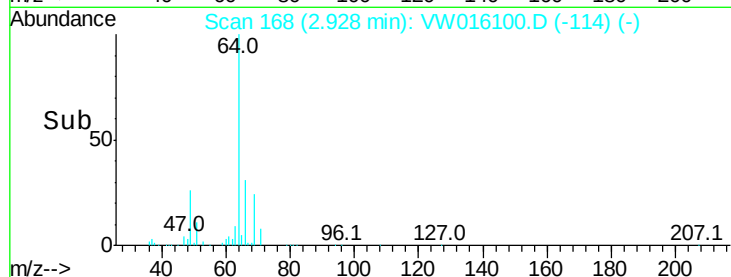
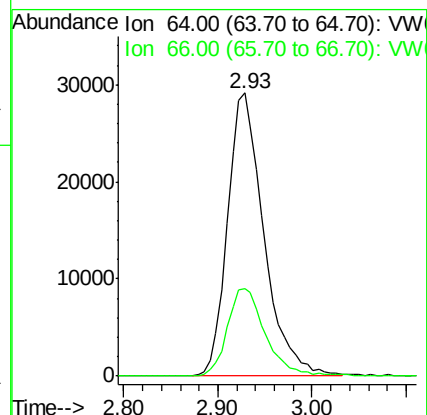
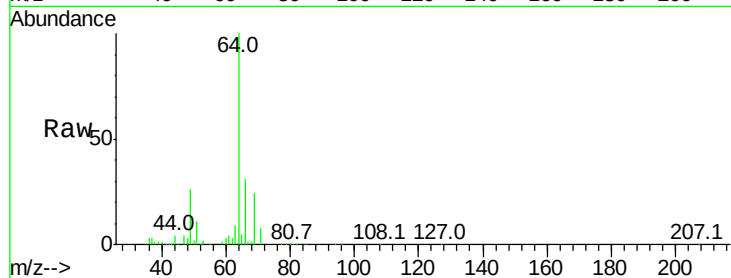
VSTD02503

Tgt Ion: 64 Resp: 78040

Ion Ratio Lower Upper

64 100

66 31.1 21.8 40.4



#9

Trichlorofluoromethane

Concen: 21.659 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW016100.D

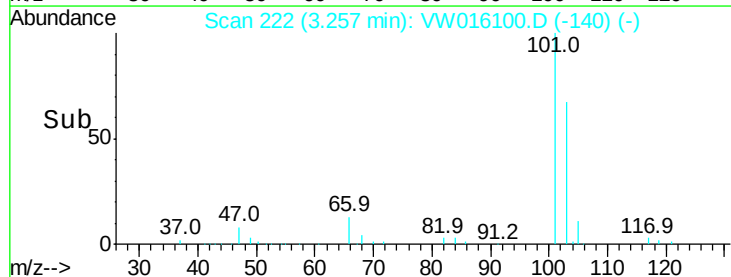
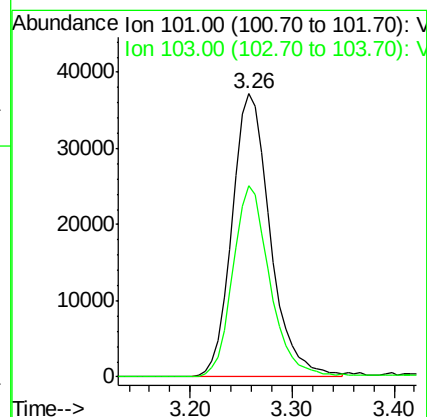
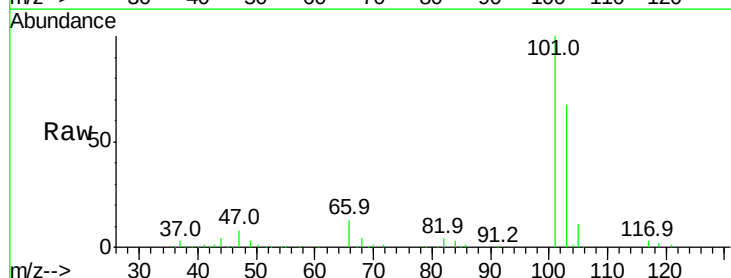
Acq: 10 Aug 2020 12:50

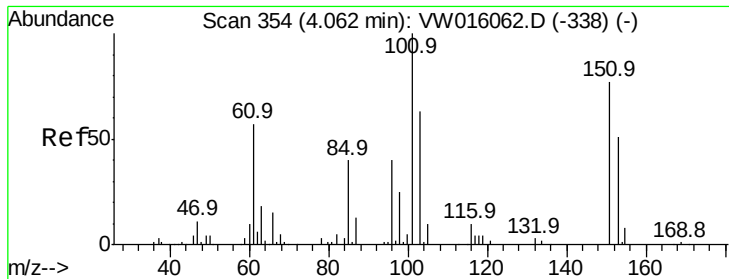
Tgt Ion: 101 Resp: 96636

Ion Ratio Lower Upper

101 100

103 65.1 45.8 85.2





#11

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

Concen: 24.547 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW016100.D

Acq: 10 Aug 2020 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

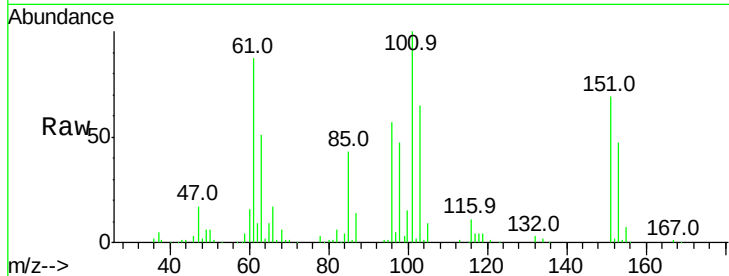
Tgt Ion: 101 Resp: 133879

Ion Ratio Lower Upper

101 100

85 42.8 35.5 53.3

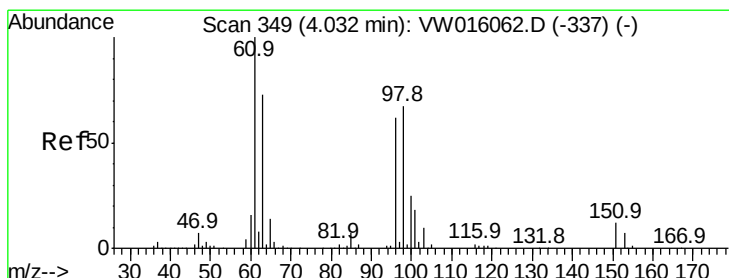
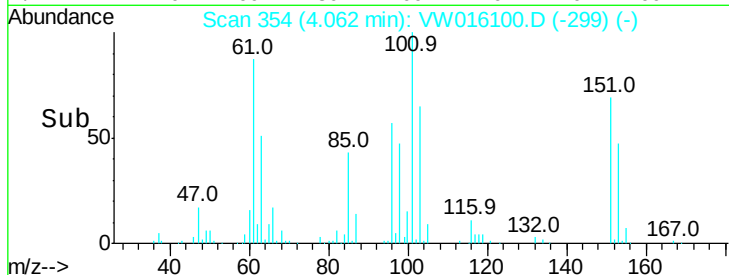
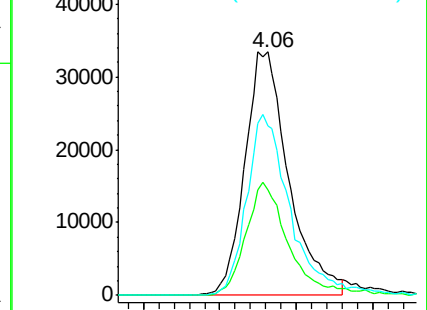
151 71.8 58.4 87.6



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: 24.200 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW016100.D

Acq: 10 Aug 2020 12:50

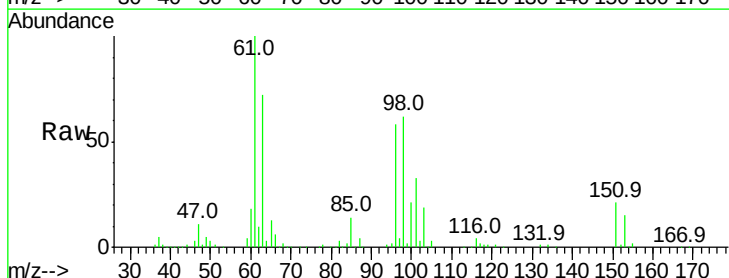
Tgt Ion: 96 Resp: 130816

Ion Ratio Lower Upper

96 100

61 171.7 125.0 232.2

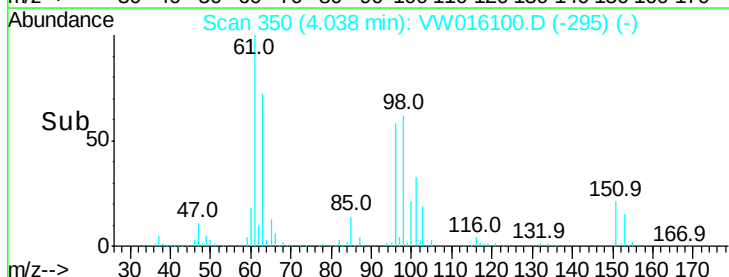
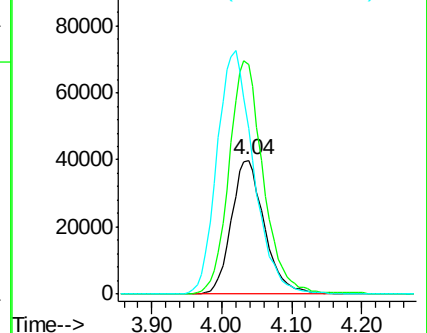
63 123.4 82.3 152.8

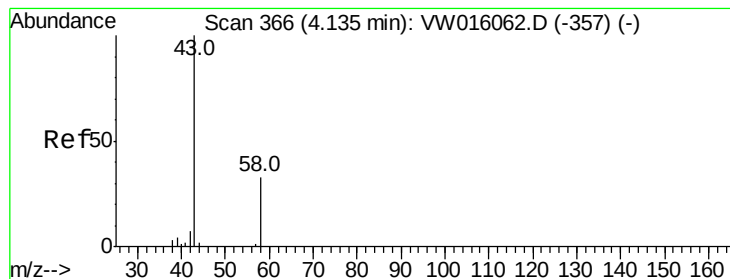


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 36.968 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

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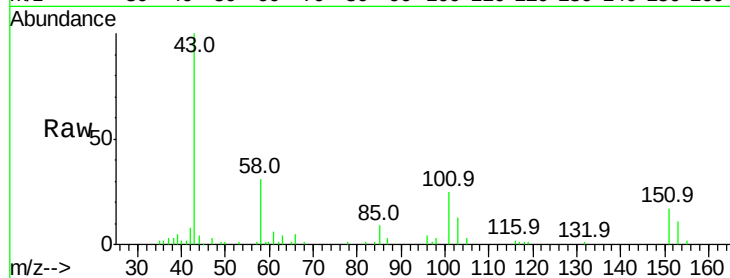
VSTD02503

Tgt Ion: 43 Resp: 48389

Ion Ratio Lower Upper

43 100

58 29.7 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

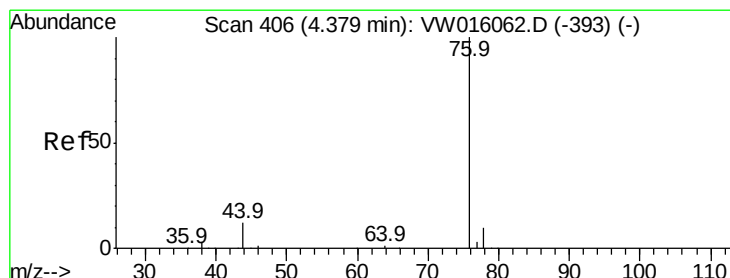
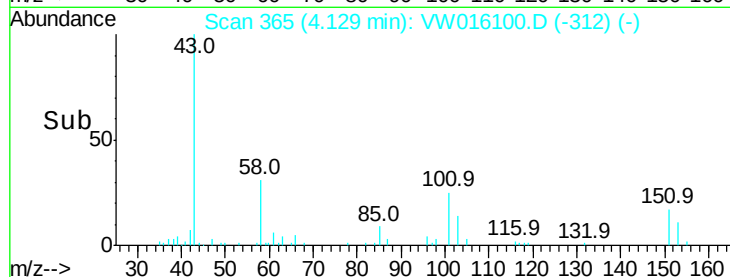
15000

10000

5000

0

Time-->



#14

Carbon disulfide

Concen: 24.780 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW016100.D

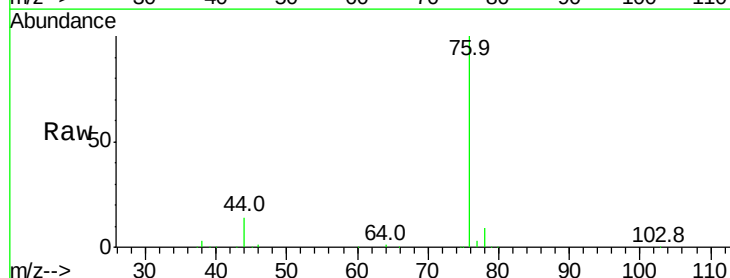
Acq: 10 Aug 2020 12:50

Tgt Ion: 76 Resp: 423040

Ion Ratio Lower Upper

76 100

78 8.7 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

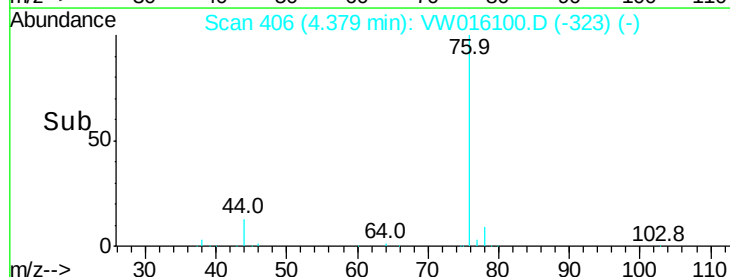
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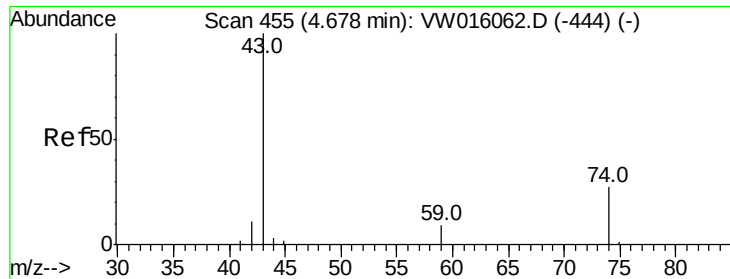
100000

50000

0

Time-->





#15

Methyl Acetate

Concen: 24.061 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW016100.D

Acq: 10 Aug 2020 12:50

Instrument :

MSVOA_W

ClientSampleId :

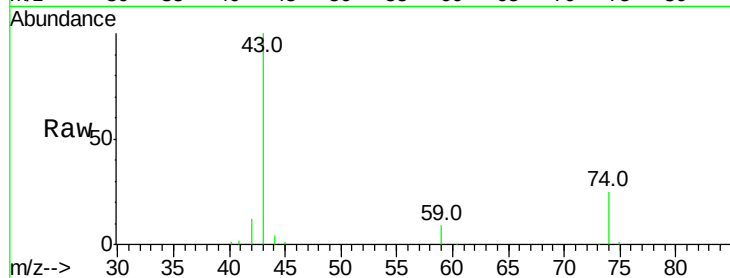
VSTD02503

Tgt Ion: 43 Resp: 59385

Ion Ratio Lower Upper

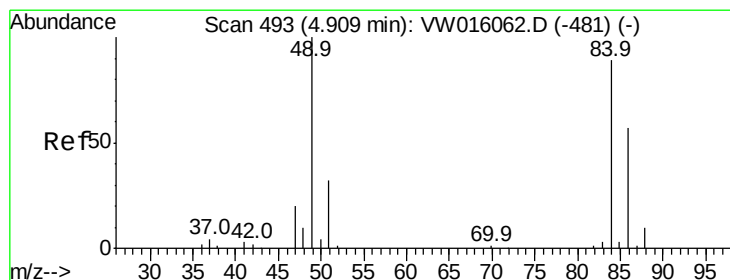
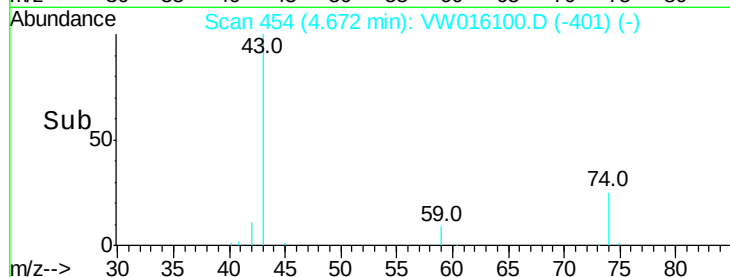
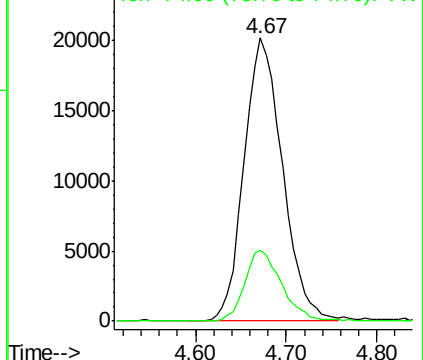
43 100

74 23.6 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 21.417 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW016100.D

Acq: 10 Aug 2020 12:50

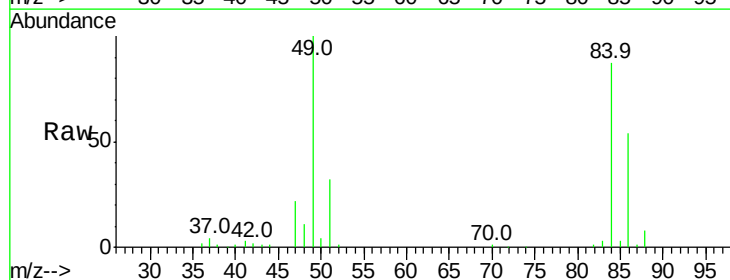
Tgt Ion: 84 Resp: 147576

Ion Ratio Lower Upper

84 100

49 114.9 91.1 169.1

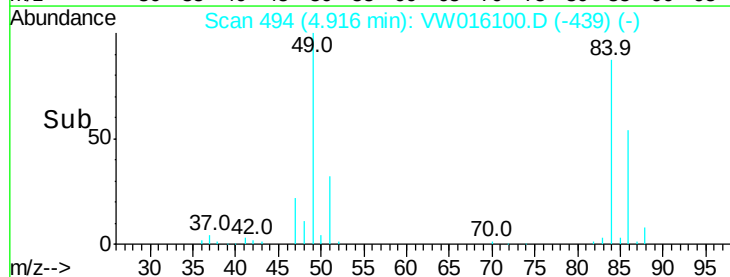
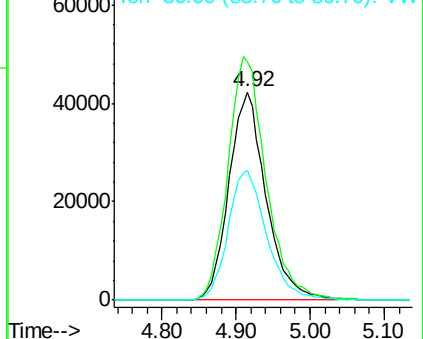
86 62.5 46.0 85.4

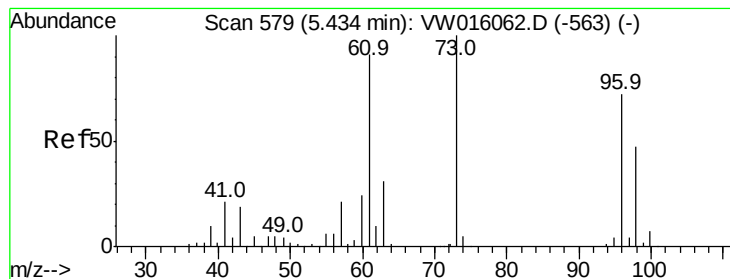


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#17

Methyl tert-butyl Ether

Concen: 25.072 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016100.D

Acq: 10 Aug 2020 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

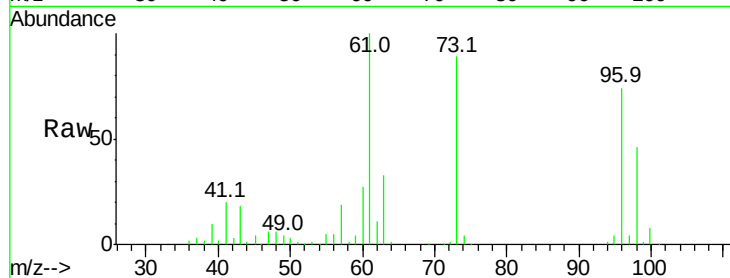
Tgt Ion: 73 Resp: 191651

Ion Ratio Lower Upper

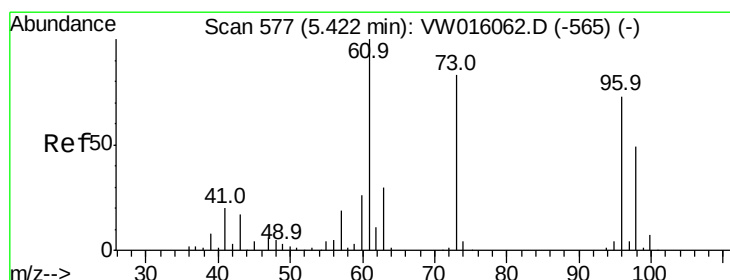
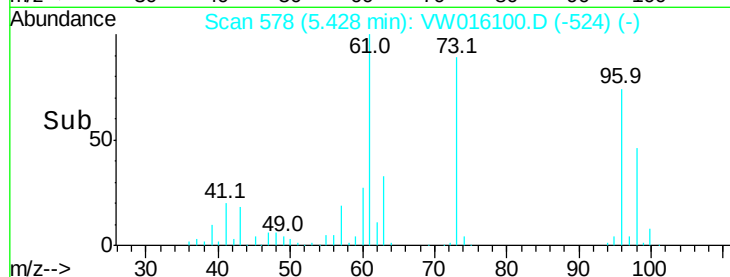
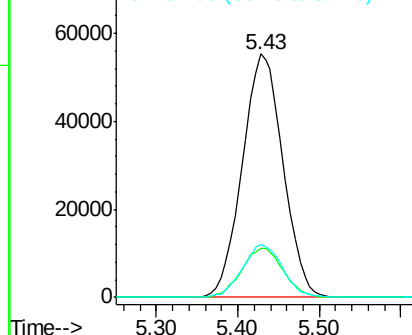
73 100

43 20.7 18.4 27.6

57 21.4 17.8 26.8



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



#18

trans-1,2-Dichloroethene

Concen: 24.650 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW016100.D

Acq: 10 Aug 2020 12:50

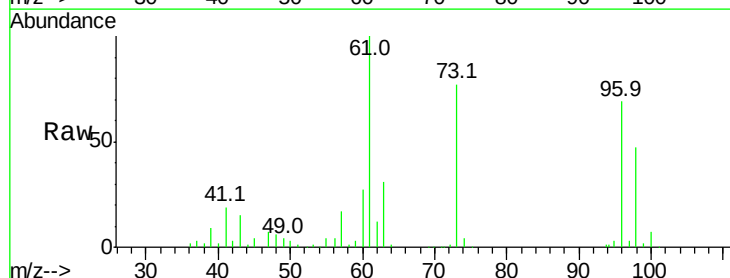
Tgt Ion: 96 Resp: 140709

Ion Ratio Lower Upper

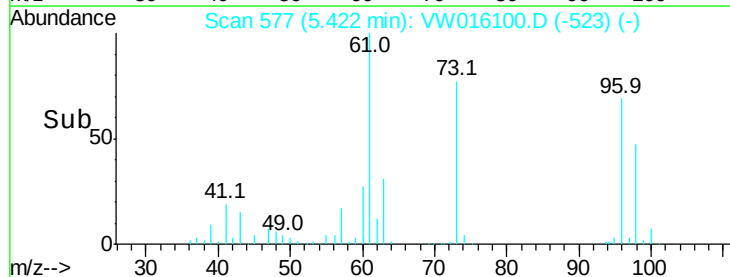
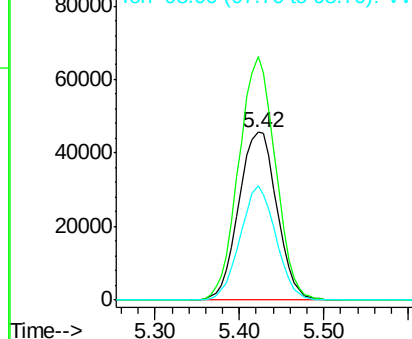
96 100

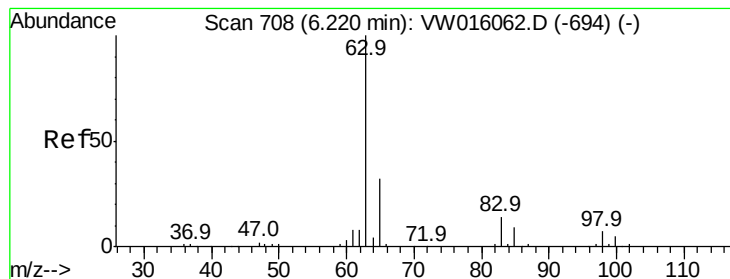
61 145.2 99.3 184.5

98 68.2 42.9 79.7



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





#19

1,1-Dichloroethane

Concen: 23.439 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW016100.D

Acq: 10 Aug 2020 12:50

Instrument :

MSVOA_W

ClientSampled :

VSTD02503

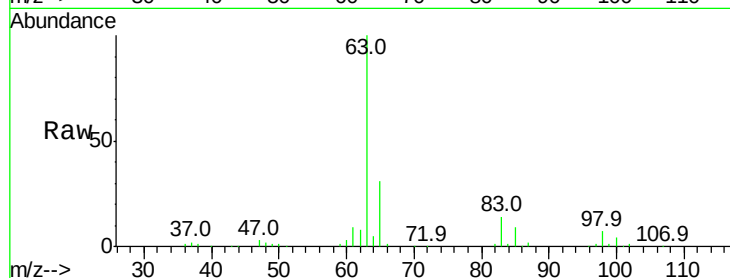
Tgt Ion: 63 Resp: 246561

Ion Ratio Lower Upper

63 100

65 30.8 22.2 41.2

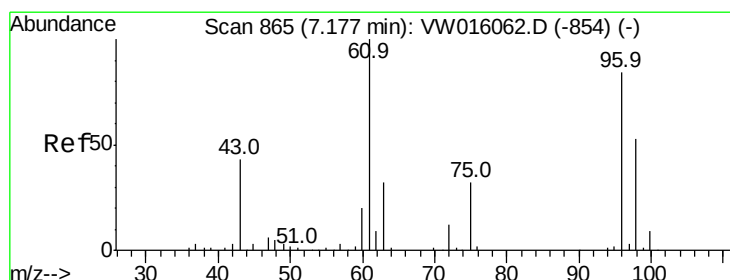
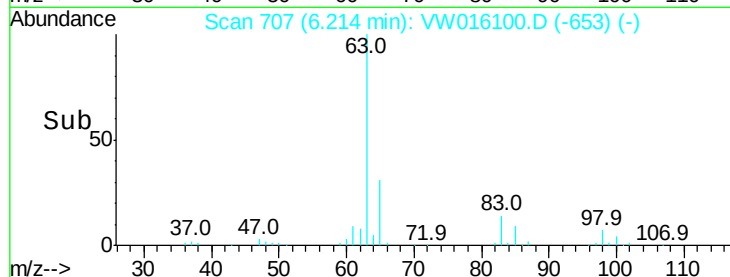
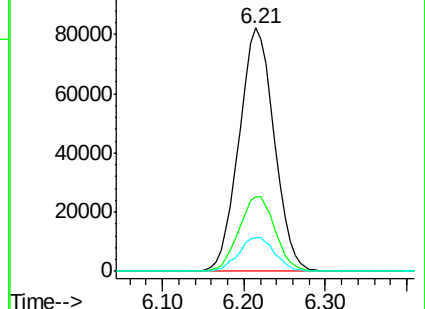
83 14.0 9.8 18.2



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: 47.415 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW016100.D

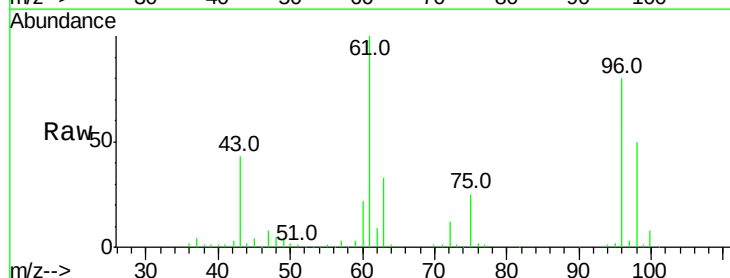
Acq: 10 Aug 2020 12:50

Tgt Ion: 43 Resp: 76748

Ion Ratio Lower Upper

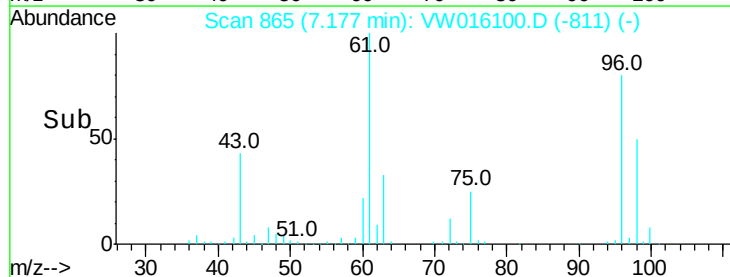
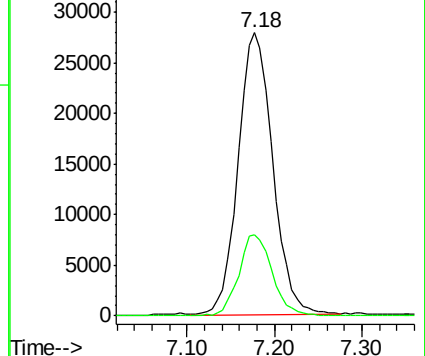
43 100

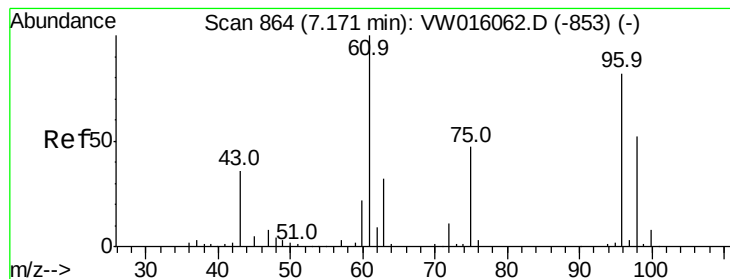
72 27.8 13.9 41.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



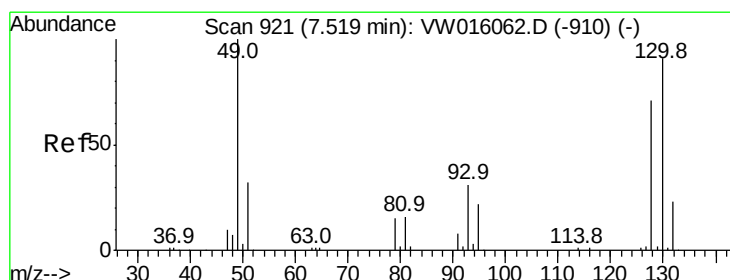
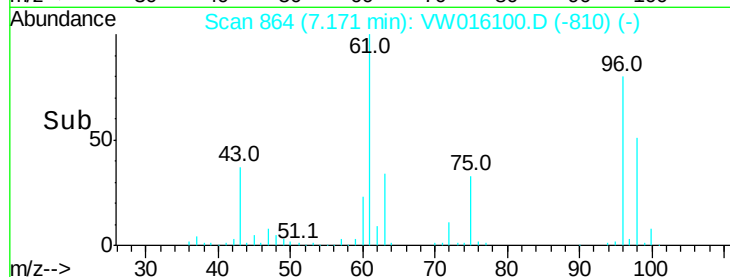
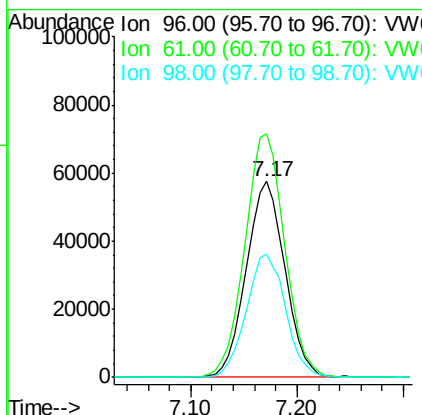
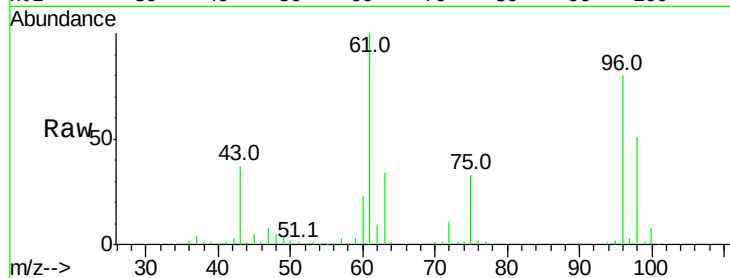


#22

cis-1,2-Dichloroethene
 Concen: 24.629 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW016100.D
 Acq: 10 Aug 2020 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

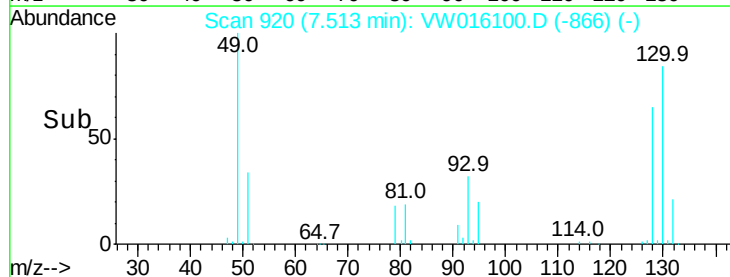
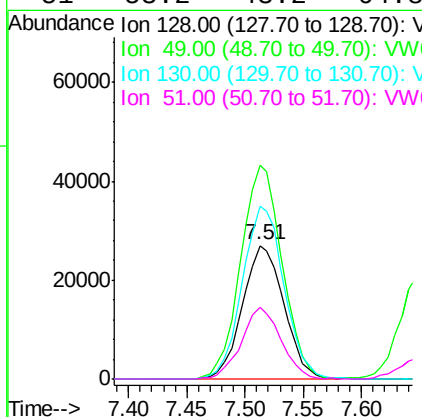
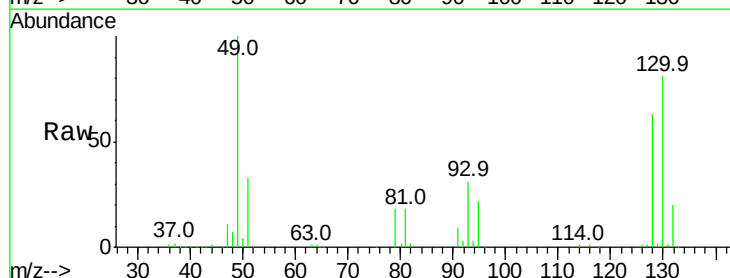
Tgt Ion: 96 Resp: 147093
 Ion Ratio Lower Upper
 96 100
 61 124.3 94.6 175.8
 98 62.8 44.3 82.3

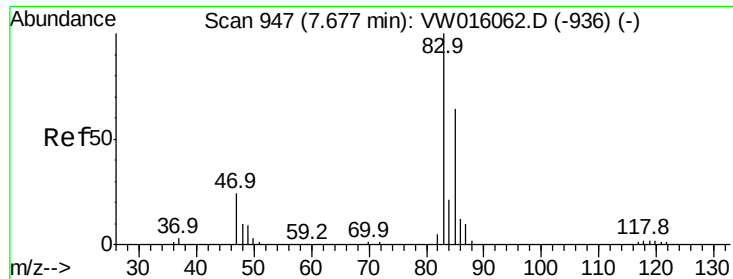


#23

Bromochloromethane
 Concen: 25.501 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW016100.D
 Acq: 10 Aug 2020 12:50

Tgt Ion: 128 Resp: 66783
 Ion Ratio Lower Upper
 128 100
 49 159.7 122.4 227.2
 130 129.5 93.9 174.5
 51 53.2 43.2 64.8

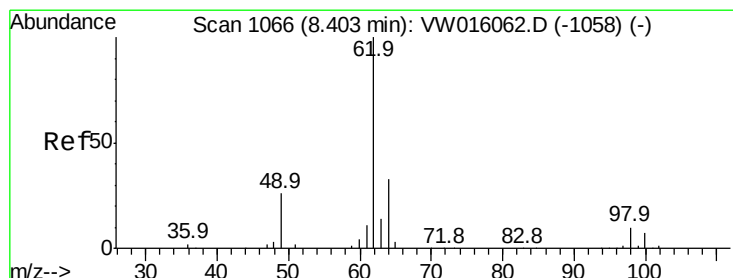
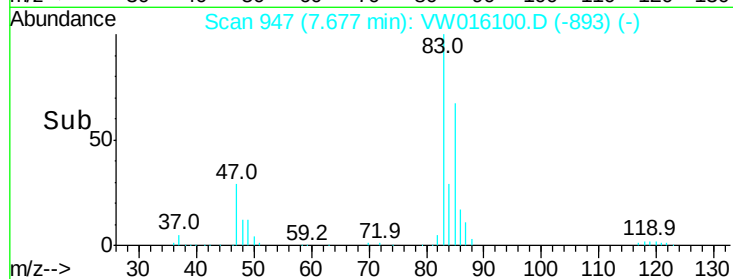
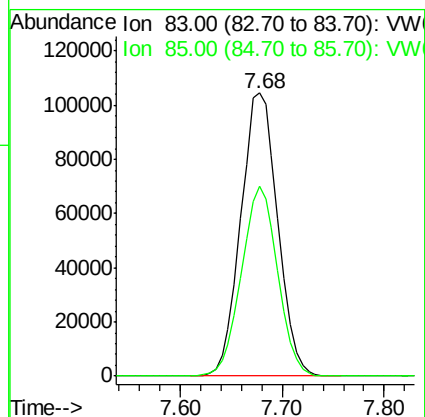
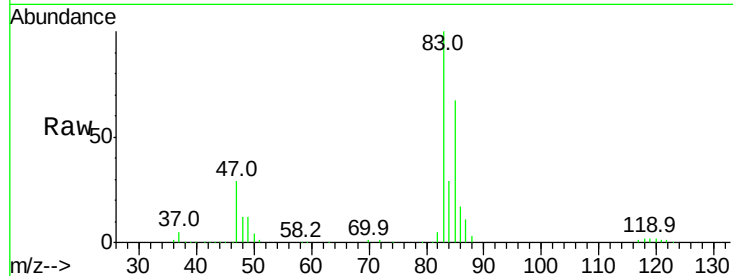




#25
Chloroform
Concen: 25.191 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016100.D
Acq: 10 Aug 2020 12:50

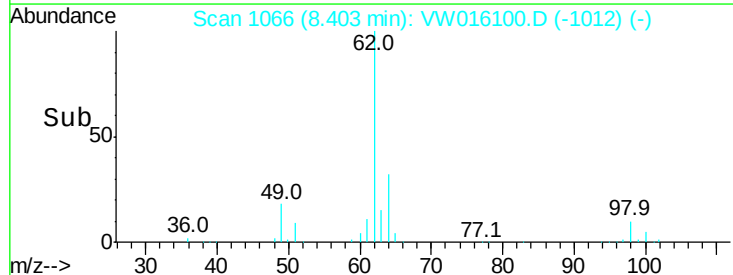
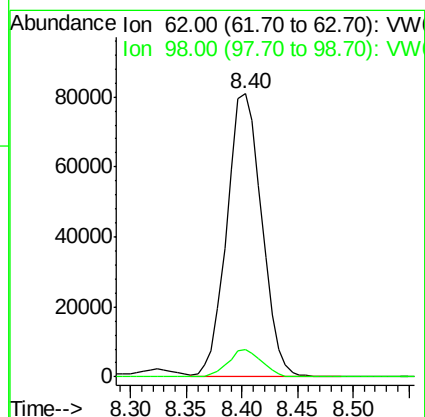
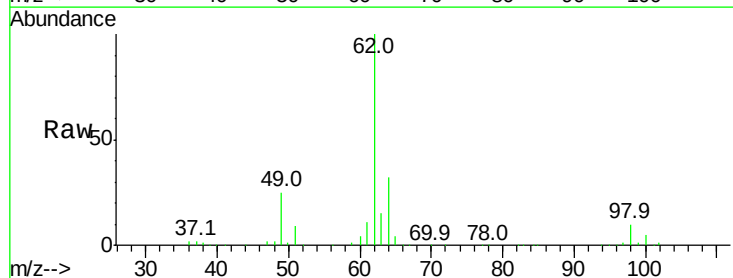
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

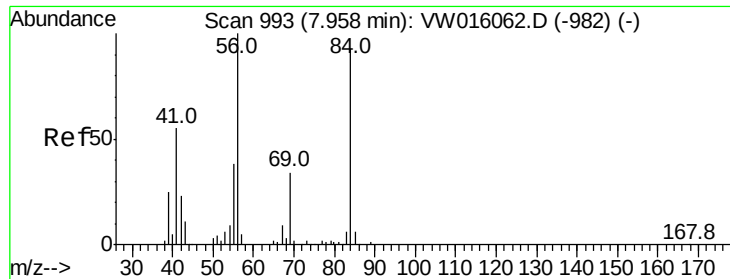
Tgt Ion: 83 Resp: 262625
Ion Ratio Lower Upper
83 100
85 65.7 46.5 86.5



#27
1,2-Dichloroethane
Concen: 24.856 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016100.D
Acq: 10 Aug 2020 12:50

Tgt Ion: 62 Resp: 176326
Ion Ratio Lower Upper
62 100
98 9.6 7.0 10.6

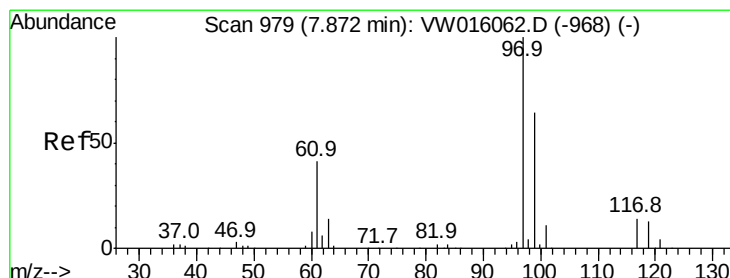
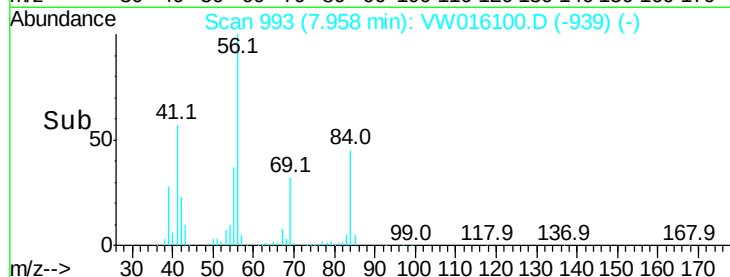
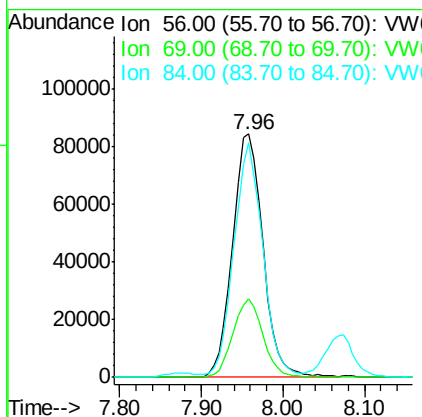
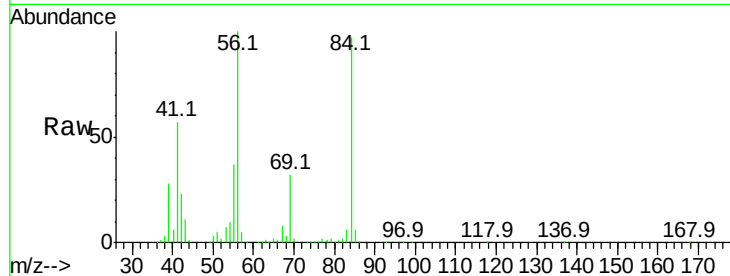




#30
Cyclohexane
Concen: 21.978 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW016100.D
Acq: 10 Aug 2020 12:50

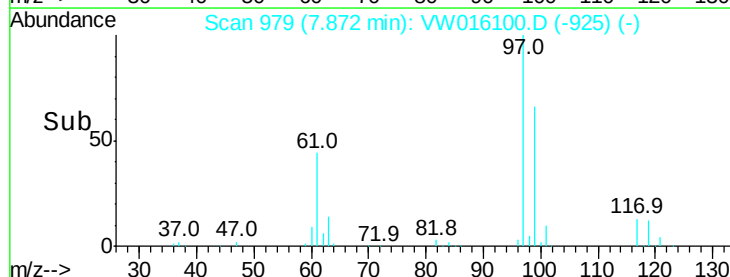
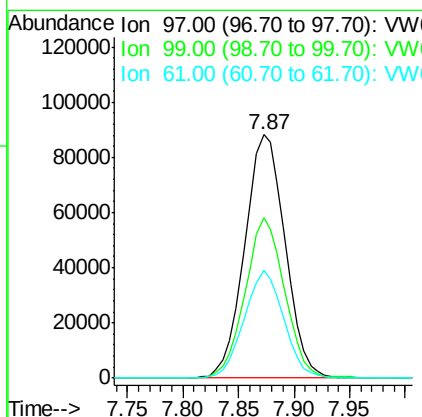
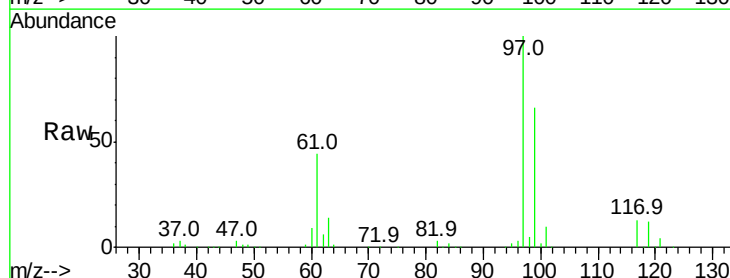
Instrument :
MSVOA_W
ClientSampled :
VSTD02503

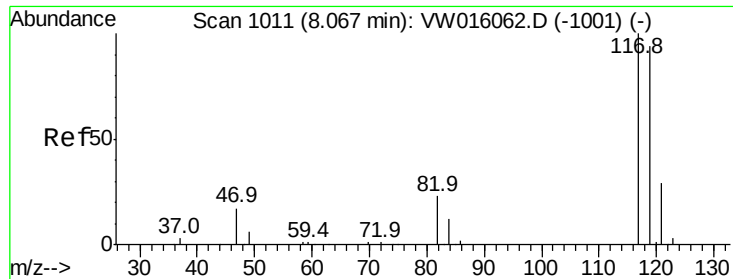
Tgt Ion: 56 Resp: 218673
Ion Ratio Lower Upper
56 100
69 31.7 24.4 36.6
84 91.3 69.3 103.9



#31
1,1,1-Trichloroethane
Concen: 24.223 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW016100.D
Acq: 10 Aug 2020 12:50

Tgt Ion: 97 Resp: 223192
Ion Ratio Lower Upper
97 100
99 64.5 51.9 77.9
61 43.1 37.6 56.4





#32

Carbon tetrachloride

Concen: 25.196 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW016100.D

Acq: 10 Aug 2020 12:50

Instrument :

MSVOA_W

ClientSampleId :

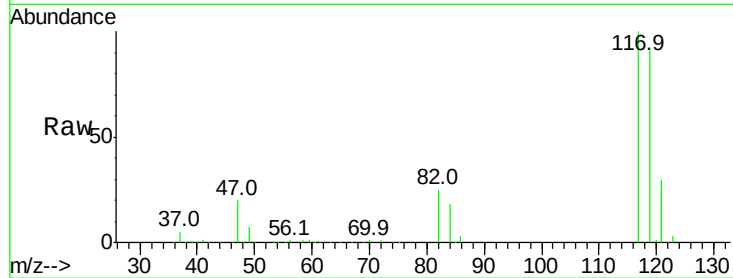
VSTD02503

Tgt Ion:117 Resp: 210515

Ion Ratio Lower Upper

117 100

119 94.0 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

100000

80000

60000

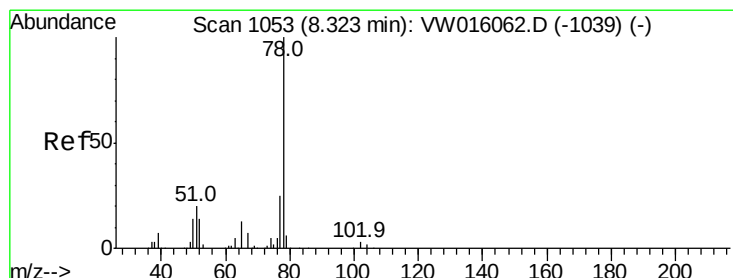
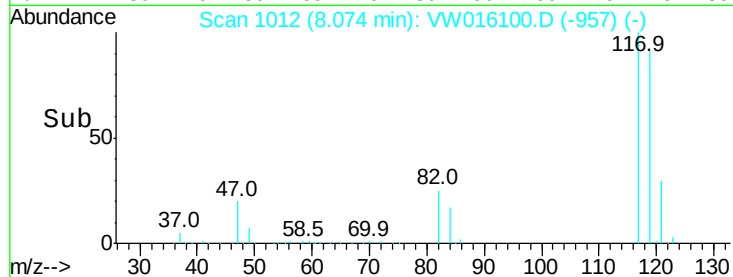
40000

20000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 23.674 ug/L

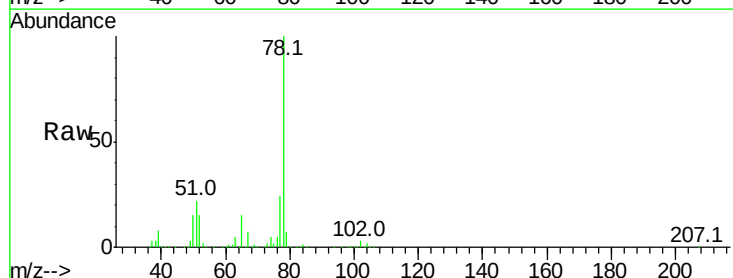
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW016100.D

Acq: 10 Aug 2020 12:50

Tgt Ion: 78 Resp: 567376



Abundance Ion 78.00 (77.70 to 78.70): VW

300000

250000

200000

150000

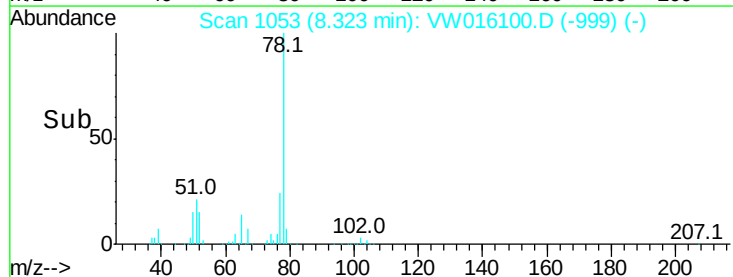
100000

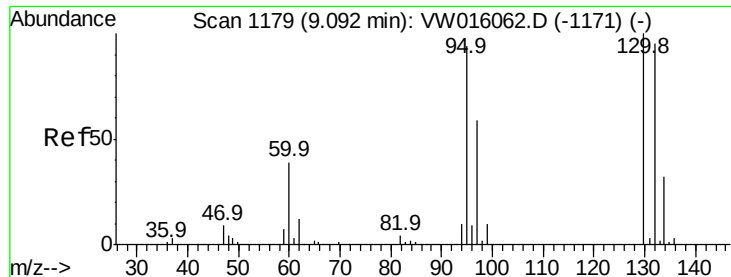
50000

0

Time-->

8.20 8.30 8.40

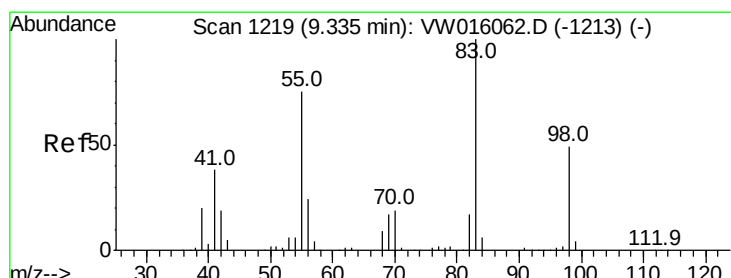
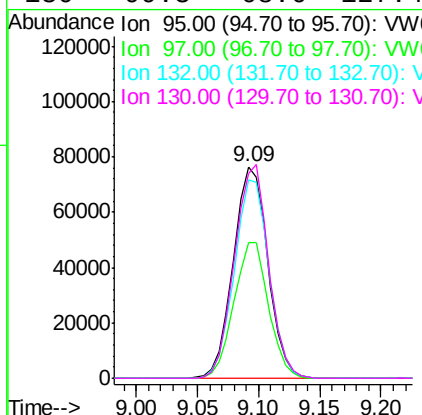
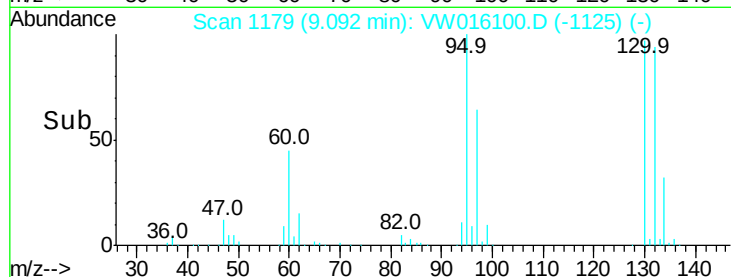
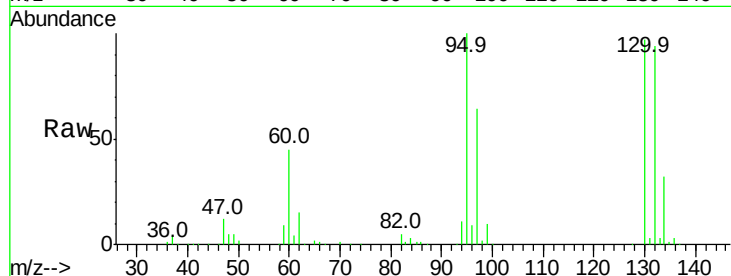




#35
 Trichloroethene
 Concen: 23.636 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW016100.D
 Acq: 10 Aug 2020 12:50

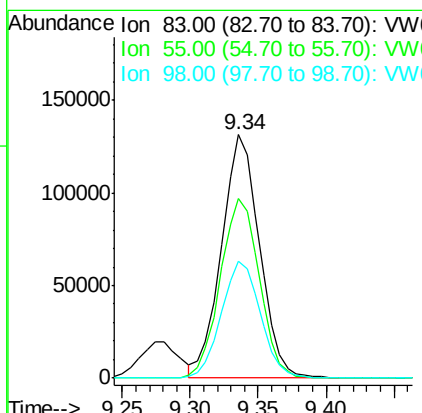
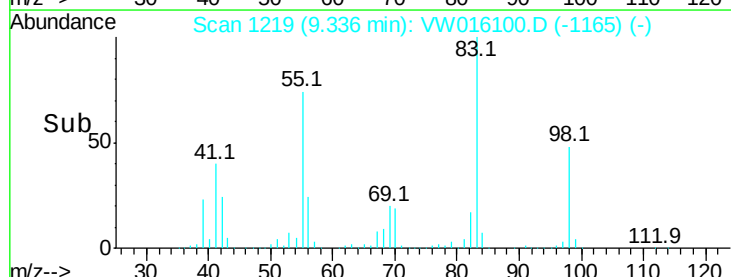
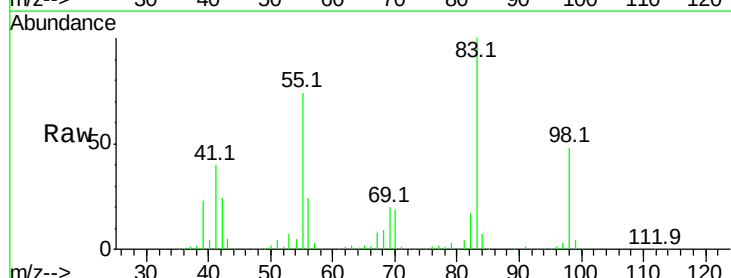
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

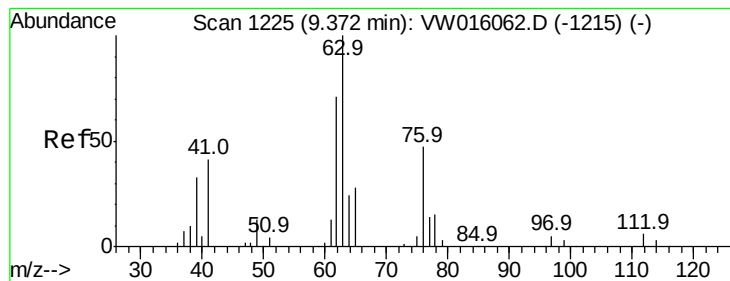
Tgt Ion:	95	Resp:	149851
Ion	Ratio	Lower	Upper
95	100		
97	64.1	44.4	82.4
132	94.0	65.1	120.9
130	99.3	68.6	127.4



#36
 Methylcyclohexane
 Concen: 23.510 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW016100.D
 Acq: 10 Aug 2020 12:50

Tgt Ion:	83	Resp:	255753
Ion	Ratio	Lower	Upper
83	100		
55	75.9	63.5	95.3
98	49.2	39.0	58.4





#40

1,2-Dichloropropane

Concen: 23.701 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW016100.D

Acq: 10 Aug 2020 12:50

Instrument :

MSVOA_W

ClientSampleId :

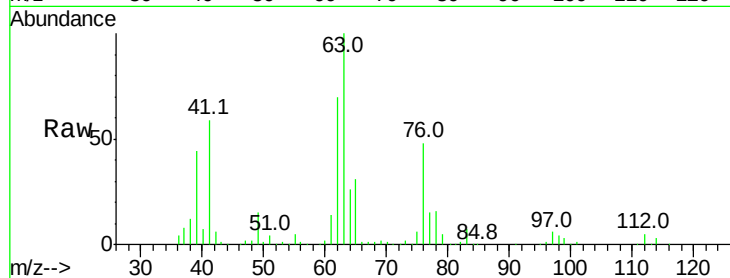
VSTD02503

Tgt Ion: 63 Resp: 140716

Ion Ratio Lower Upper

63 100

112 5.0 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

80000

60000

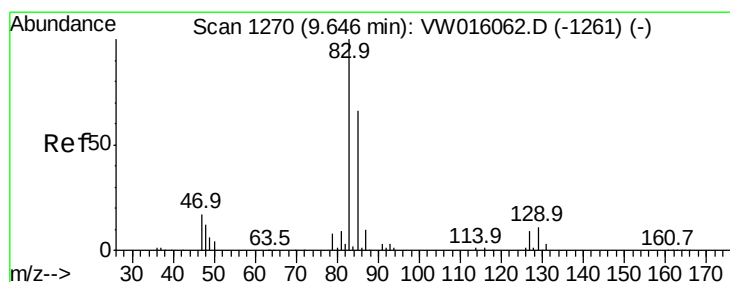
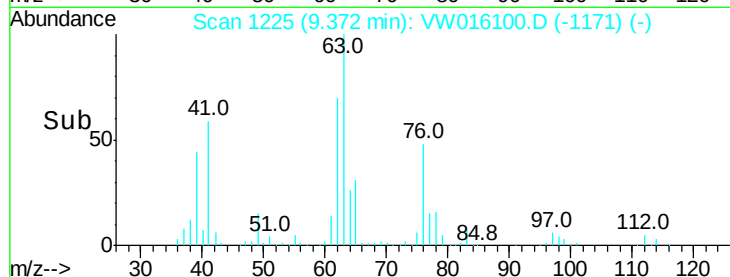
40000

20000

0

9.30 9.35 9.40 9.45

Time-->



#41

Bromodichloromethane

Concen: 24.751 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016100.D

Acq: 10 Aug 2020 12:50

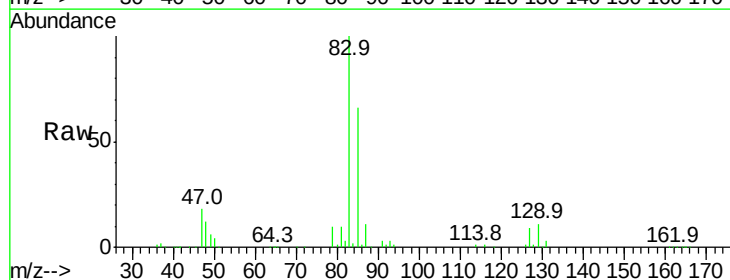
Tgt Ion: 83 Resp: 189779

Ion Ratio Lower Upper

83 100

85 65.8 43.7 81.1

127 9.0 6.5 9.7



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): V

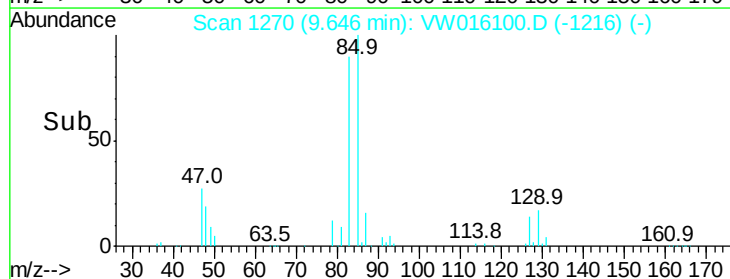
100000

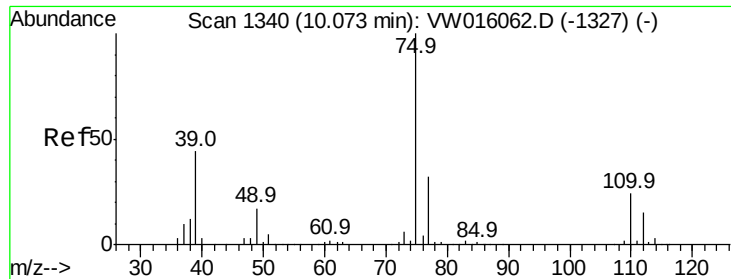
50000

0

9.55 9.60 9.65 9.70

Time-->

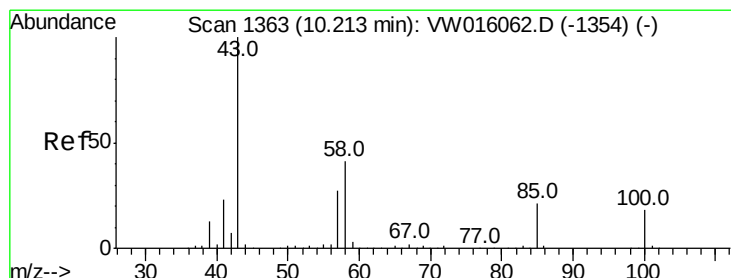
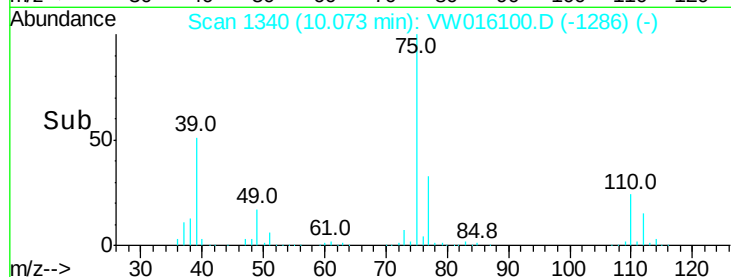
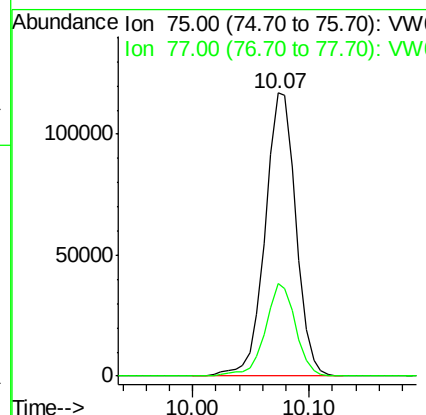
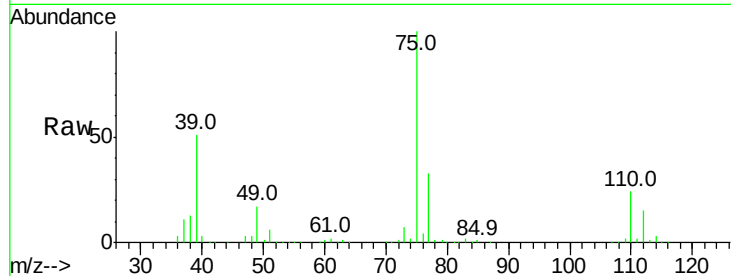




#42
 cis-1,3-Dichloroprene
 Concen: 23.947 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW016100.D
 Acq: 10 Aug 2020 12:50

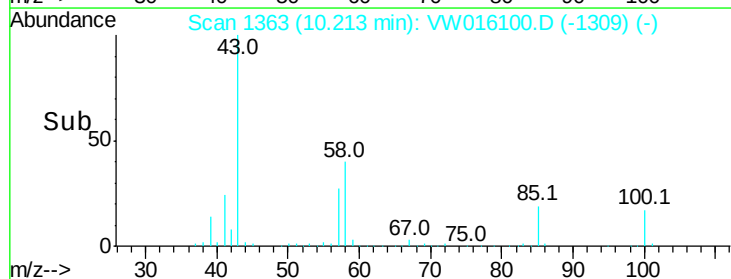
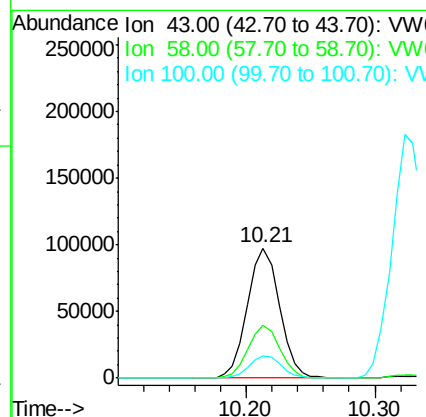
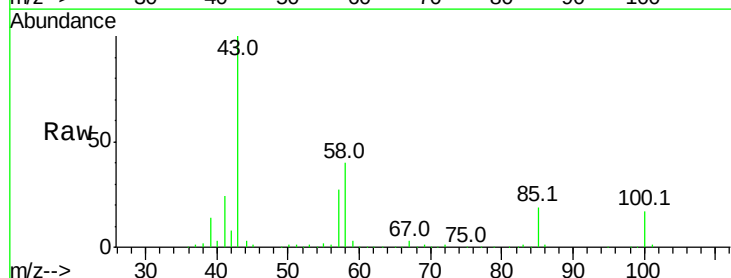
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02503

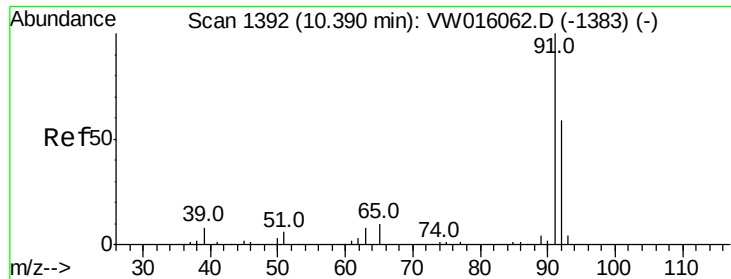
Tgt Ion: 75 Resp: 216546
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 48.777 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016100.D
 Acq: 10 Aug 2020 12:50

Tgt Ion: 43 Resp: 169036
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.0 46.4
 100 17.3 12.6 19.0





#44

Toluene

Concen: 24.363 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016100.D

Acq: 10 Aug 2020 12:50

Instrument :

MSVOA_W

ClientSampleId :

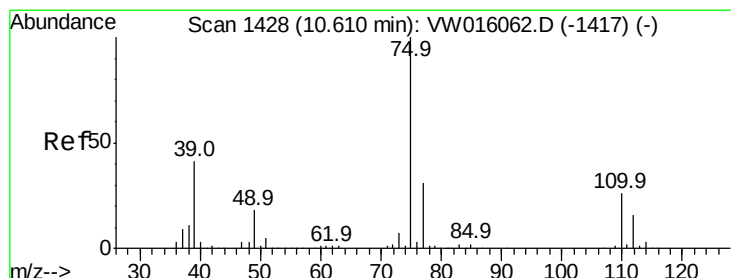
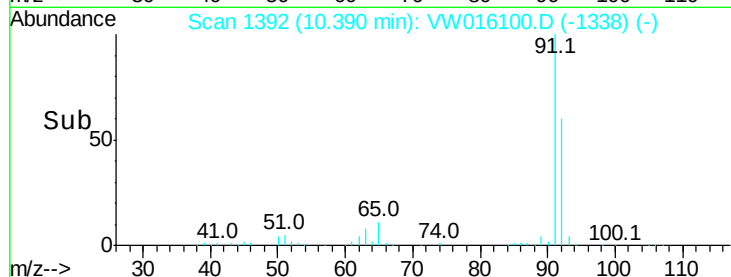
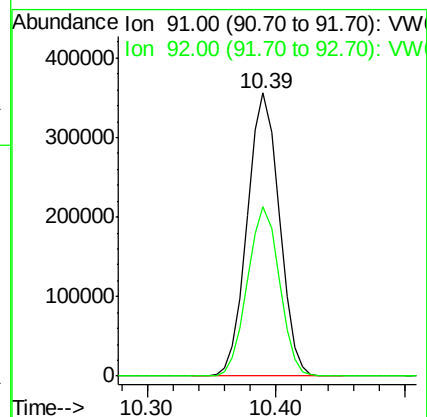
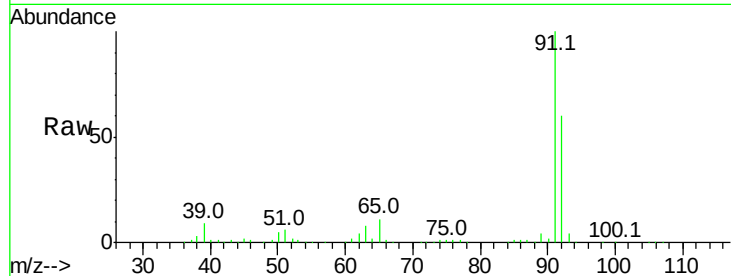
VSTD02503

Tgt Ion: 91 Resp: 612397

Ion Ratio Lower Upper

91 100

92 59.7 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 24.847 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016100.D

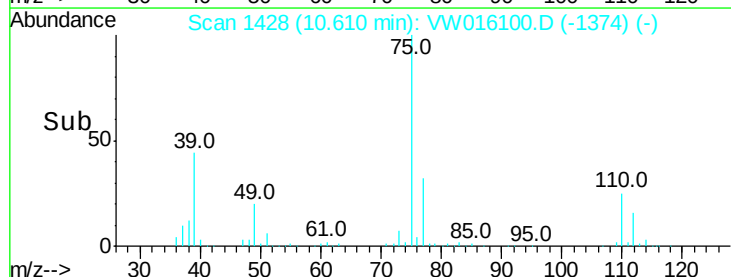
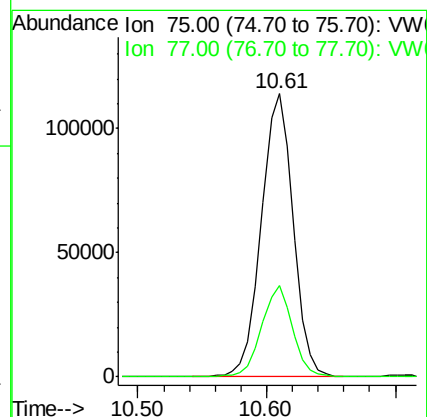
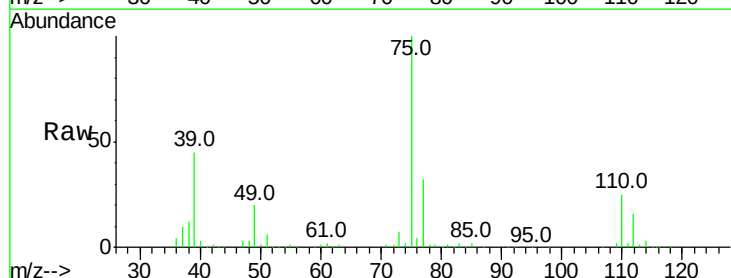
Acq: 10 Aug 2020 12:50

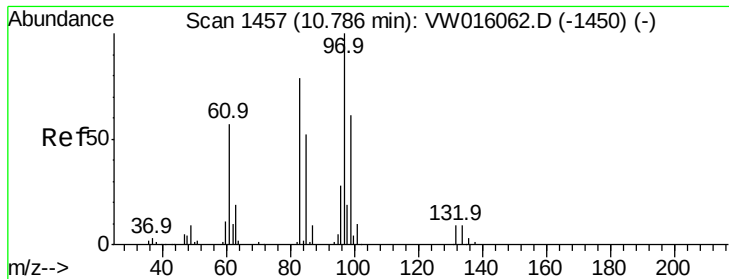
Tgt Ion: 75 Resp: 194751

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.9

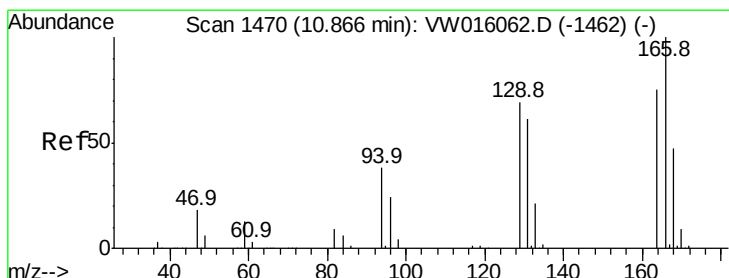
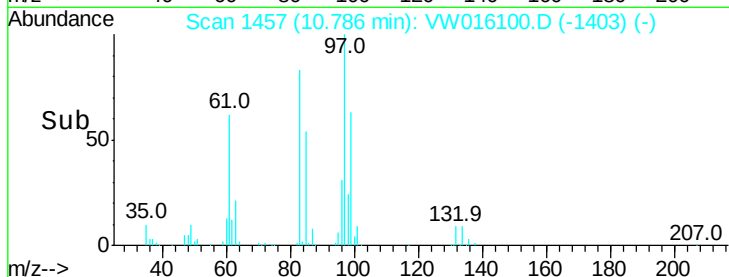
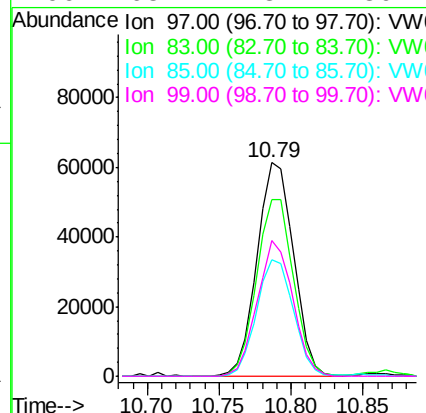
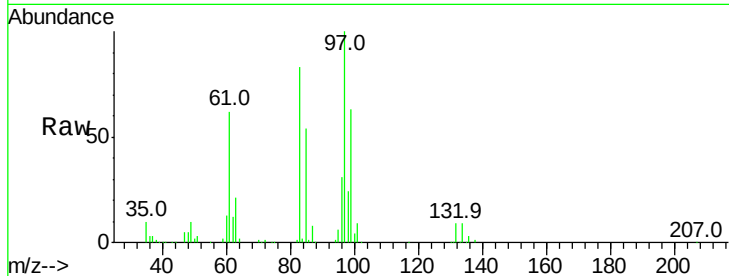




#46
 1,1,2-Trichloroethane
 Concen: 25.229 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW016100.D
 Acq: 10 Aug 2020 12:50

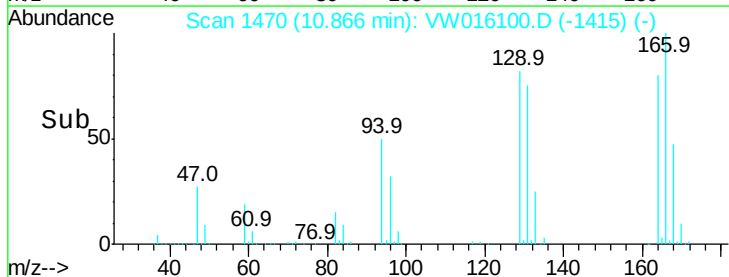
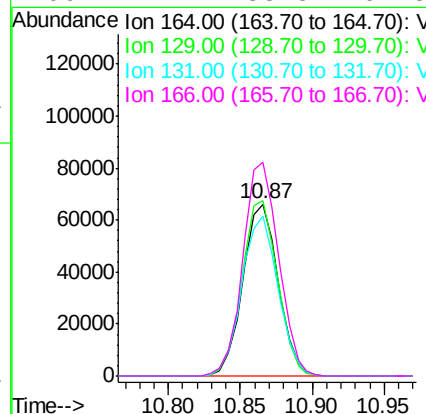
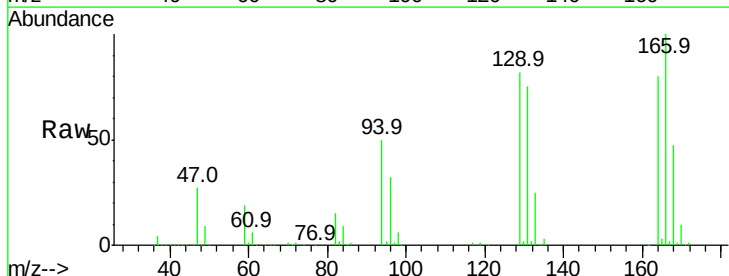
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

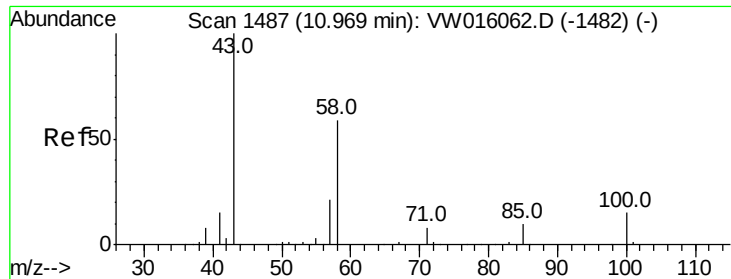
Tgt Ion:	97	Resp:	107714
Ion	Ratio	Lower	Upper
97	100		
83	82.6	60.6	112.6
85	54.3	38.9	72.2
99	63.4	43.1	80.1



#47
 Tetrachloroethene
 Concen: 22.889 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: VW016100.D
 Acq: 10 Aug 2020 12:50

Tgt Ion:	164	Resp:	112641
Ion	Ratio	Lower	Upper
164	100		
129	102.2	70.0	130.0
131	93.4	67.3	124.9
166	124.2	88.5	164.3





#49

2-Hexanone

Concen: 47.799 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016100.D

Acq: 10 Aug 2020 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

Tgt Ion: 43 Resp: 117551

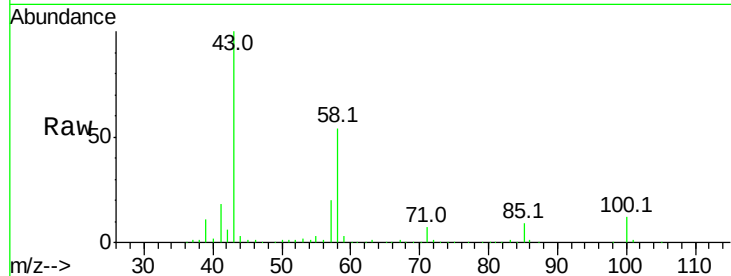
Ion Ratio Lower Upper

43 100

58 55.2 42.4 63.6

57 19.7 15.6 23.4

100 13.5 9.8 14.6

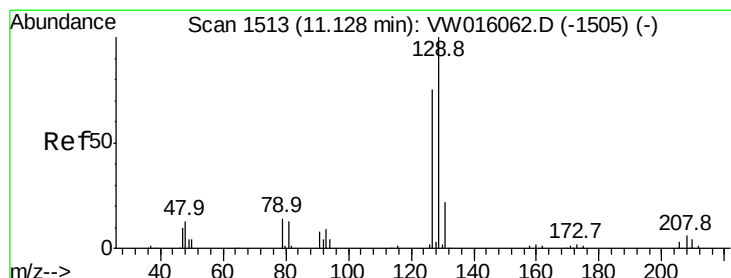
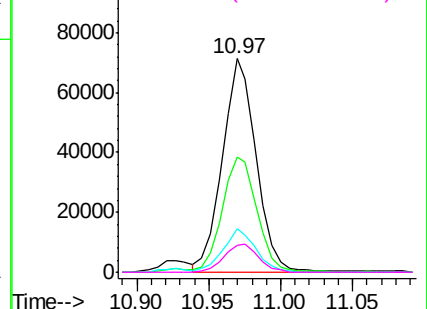
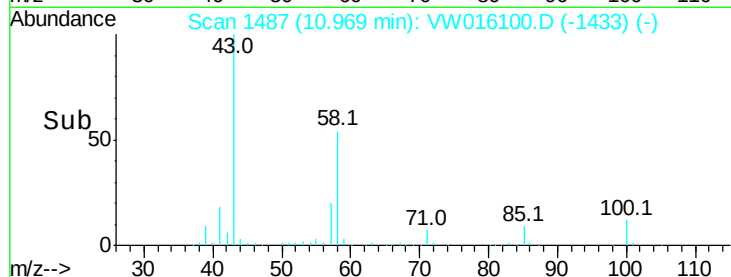


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 25.574 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW016100.D

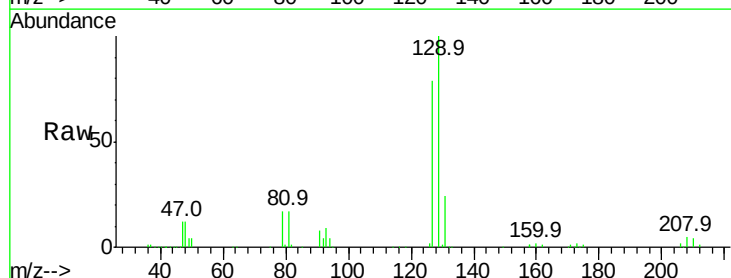
Acq: 10 Aug 2020 12:50

Tgt Ion: 129 Resp: 126412

Ion Ratio Lower Upper

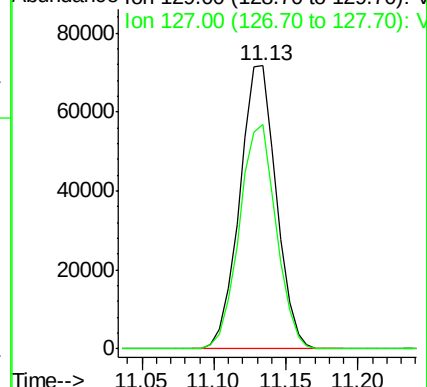
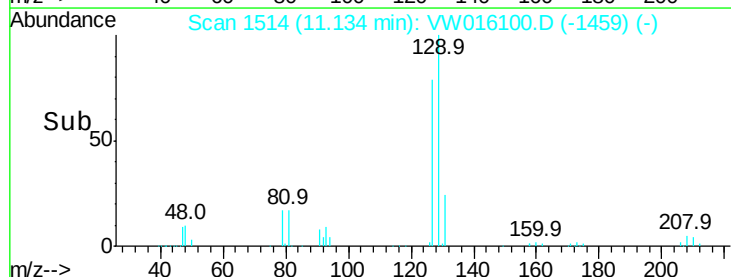
129 100

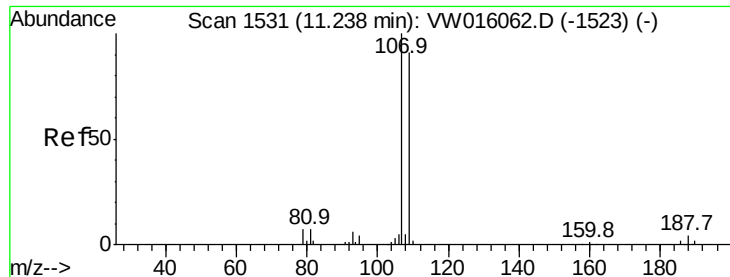
127 79.1 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

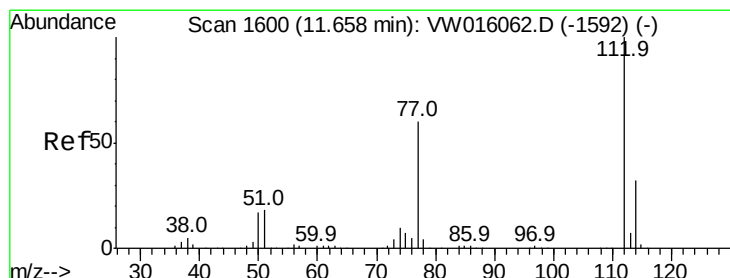
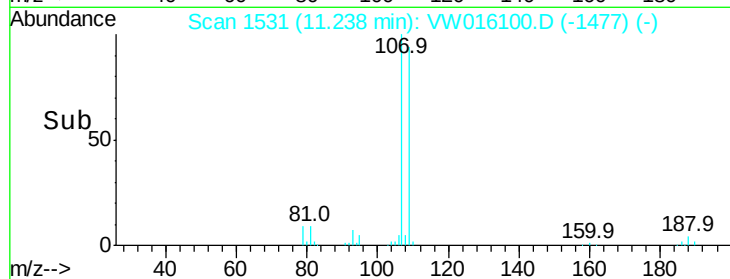
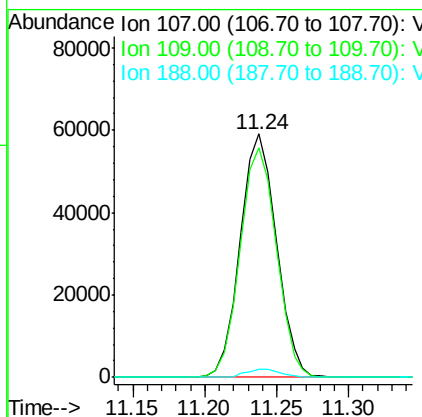
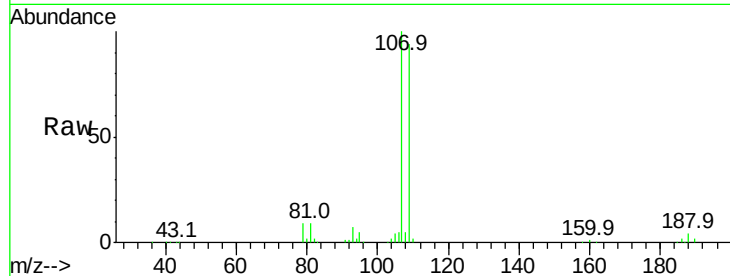




#51
 1,2-Dibromoethane
 Concen: 25.276 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016100.D
 Acq: 10 Aug 2020 12:50

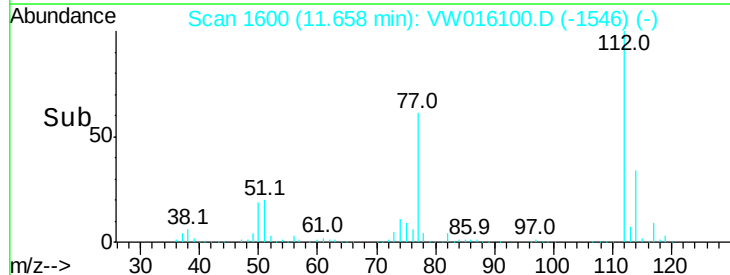
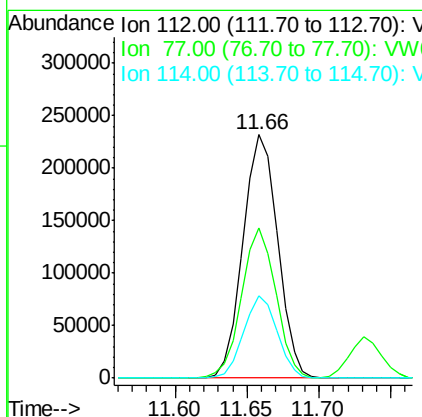
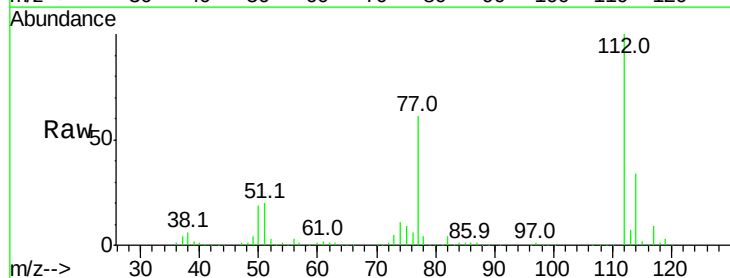
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

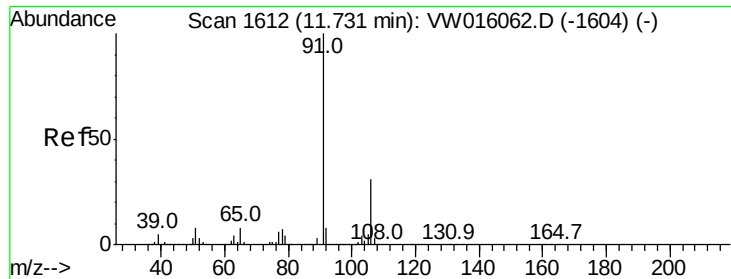
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.3	66.9	124.3
188	3.5	3.2	4.8



#52
 Chlorobenzene
 Concen: 24.149 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016100.D
 Acq: 10 Aug 2020 12:50

Tgt Ion	Ratio	Lower	Upper
112	100		
77	61.4	47.8	71.6
114	33.6	22.1	41.1

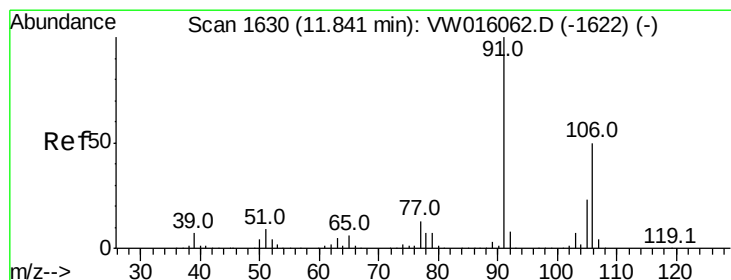
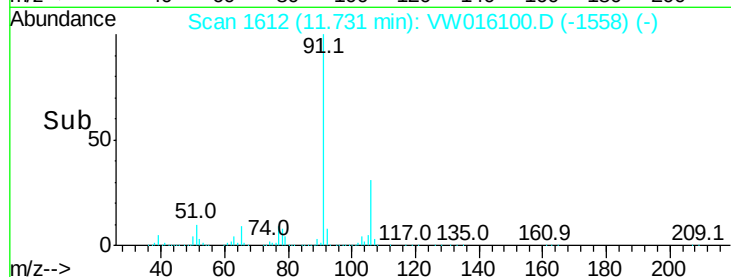
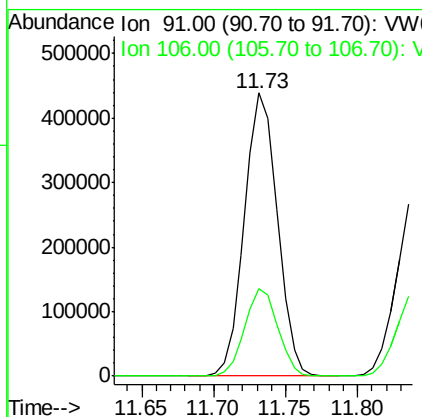
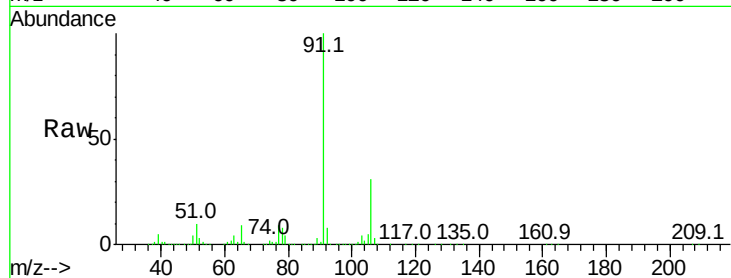




#53
Ethylbenzene
Concen: 24.696 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016100.D
Acq: 10 Aug 2020 12:50

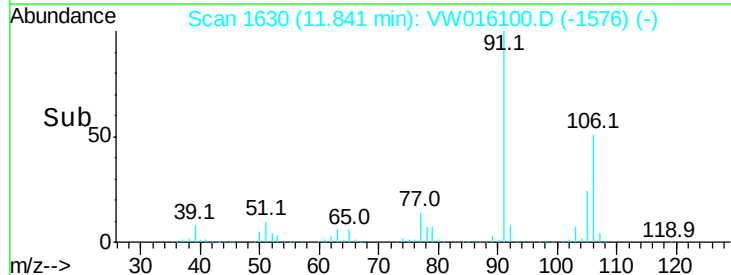
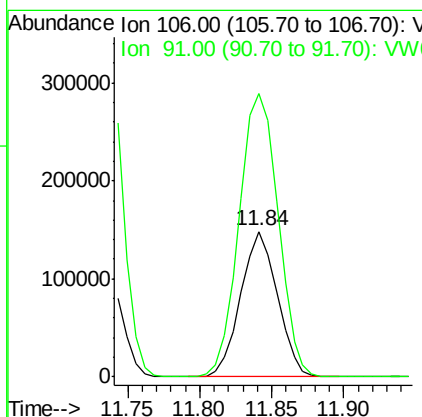
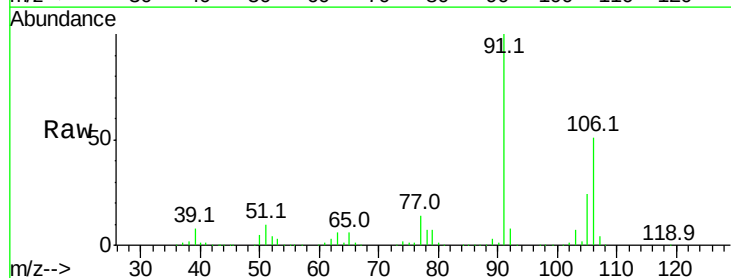
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

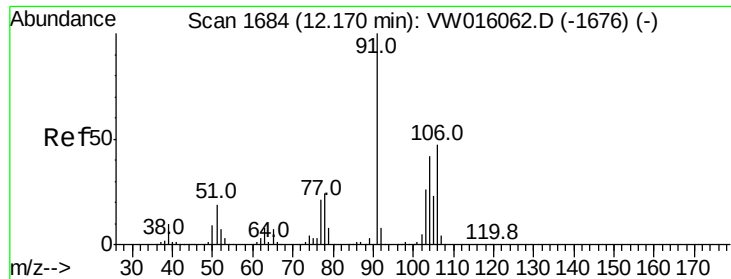
Tgt Ion: 91 Resp: 698059
Ion Ratio Lower Upper
91 100
106 31.1 22.4 41.6



#54
m,p-Xylene
Concen: 24.768 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016100.D
Acq: 10 Aug 2020 12:50

Tgt Ion: 106 Resp: 261922
Ion Ratio Lower Upper
106 100
91 194.8 144.1 267.5

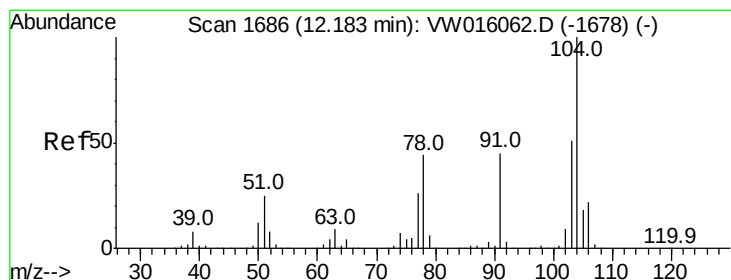
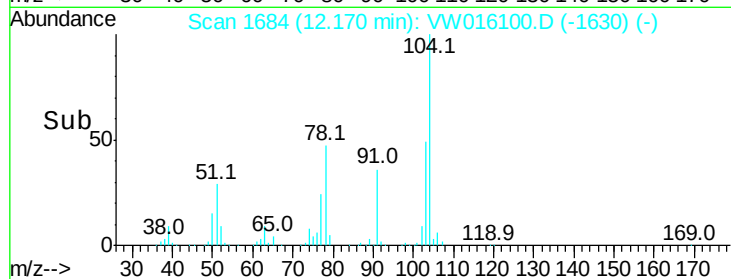
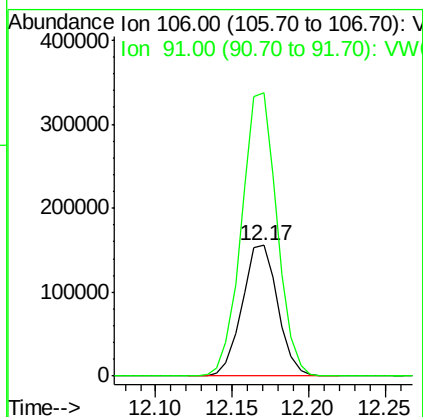
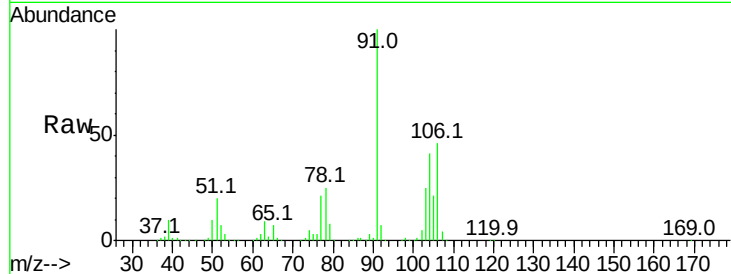




#55
o-xylene
Concen: 25.242 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016100.D
Acq: 10 Aug 2020 12:50

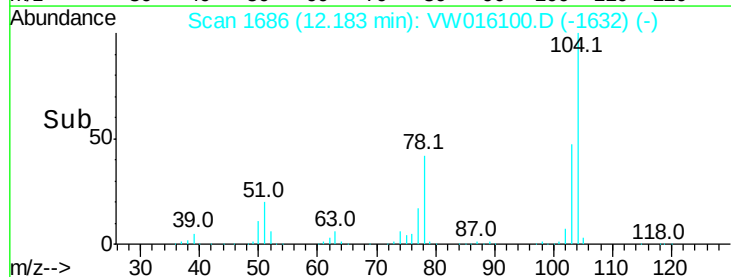
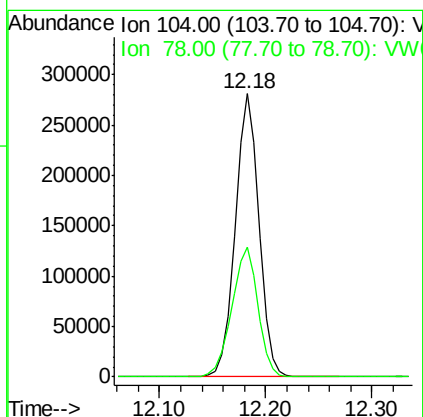
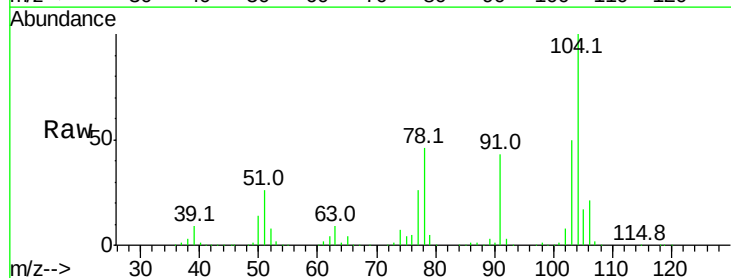
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

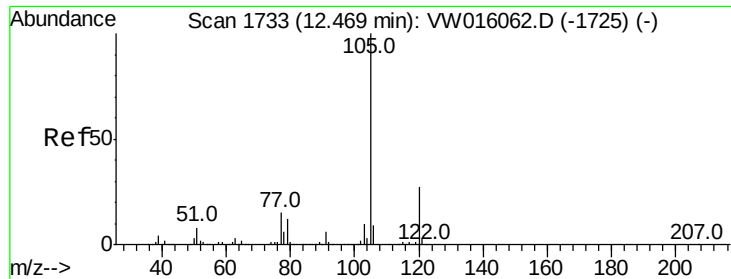
Tgt Ion:106 Resp: 251353
Ion Ratio Lower Upper
106 100
91 216.2 146.8 272.6



#56
Styrene
Concen: 25.954 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016100.D
Acq: 10 Aug 2020 12:50

Tgt Ion:104 Resp: 439510
Ion Ratio Lower Upper
104 100
78 45.7 32.0 59.4





#57

Isopropylbenzene

Concen: 25.005 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016100.D

Acq: 10 Aug 2020 12:50

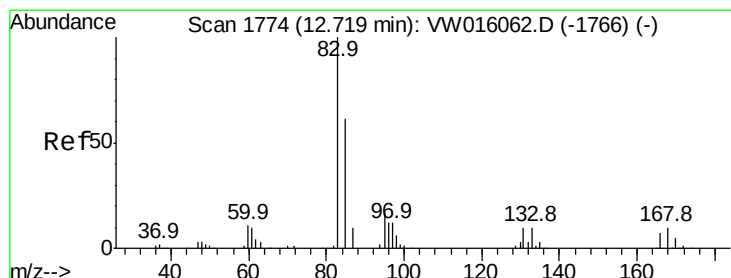
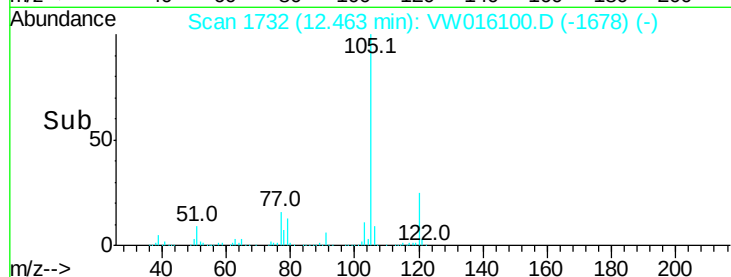
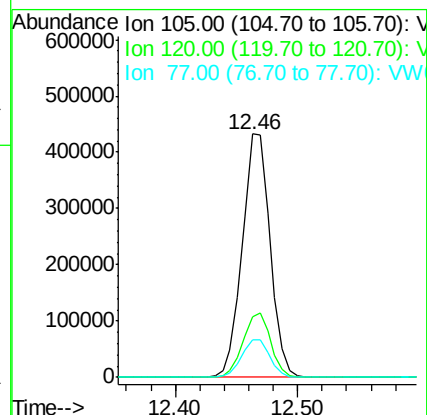
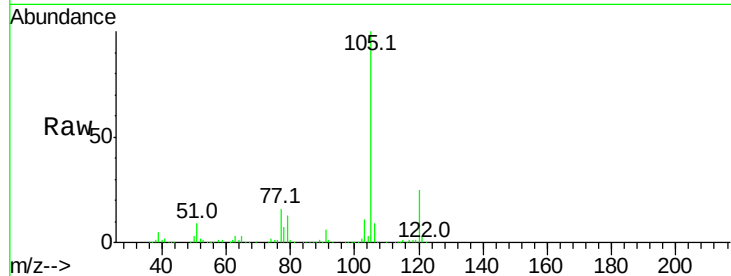
Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

Tgt Ion:	105	Resp:	677807
Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.4	30.6
77	15.7	12.9	19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 25.345 ug/L

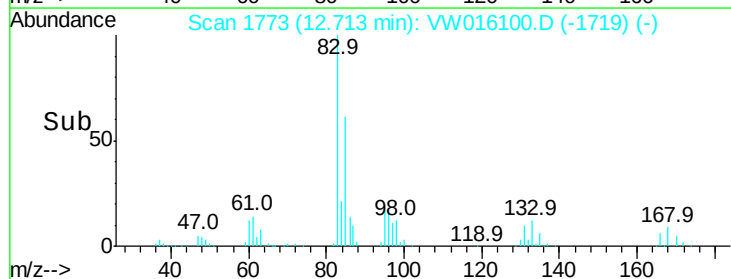
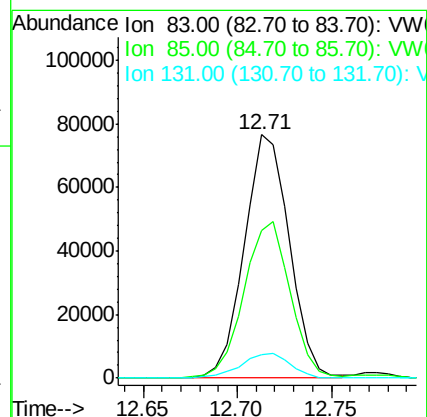
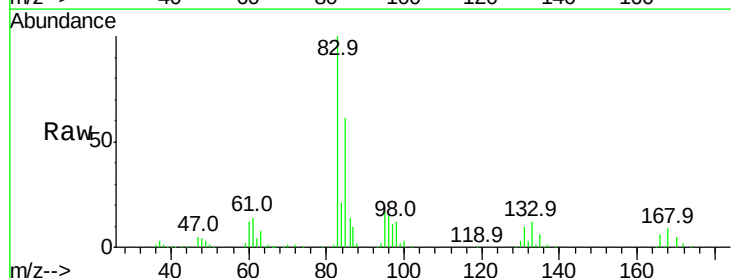
RT: 12.71 min Scan# 1773

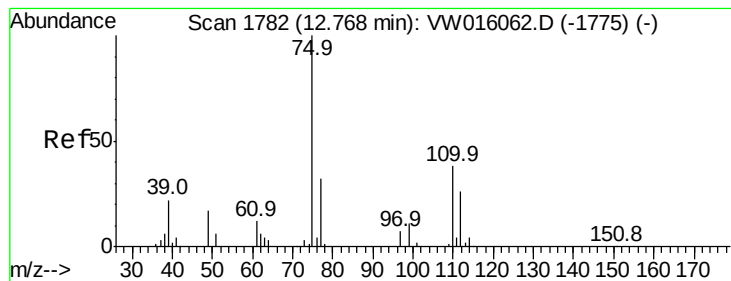
Delta R.T. 0.00 min

Lab File: VW016100.D

Acq: 10 Aug 2020 12:50

Tgt Ion:	83	Resp:	127066
Ion	Ratio	Lower	Upper
83	100		
85	60.6	45.1	83.7
131	9.8	8.2	12.4

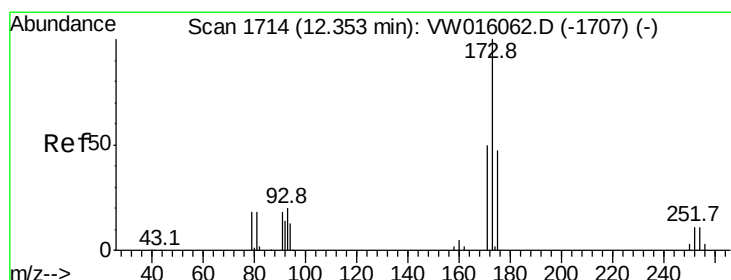
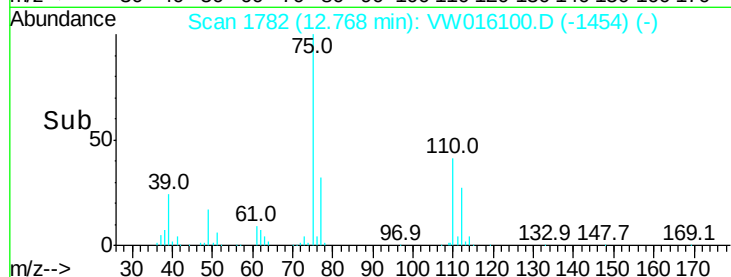
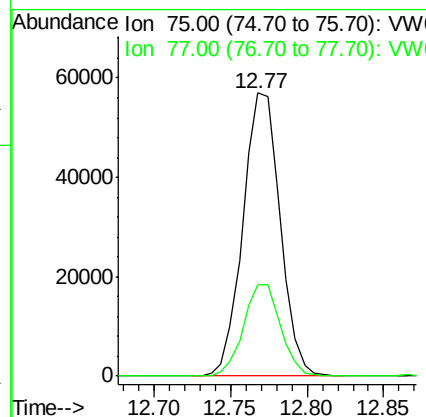
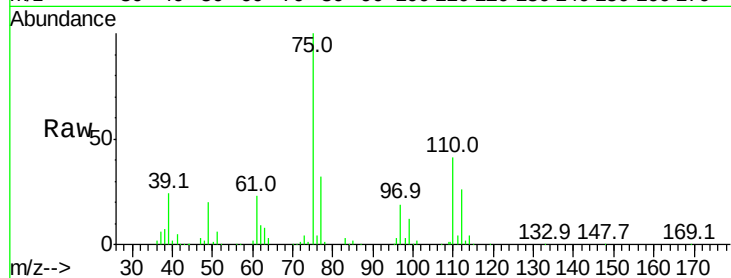




#59
 1,2,3-Trichloropropane
 Concen: 25.644 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW016100.D
 Acq: 10 Aug 2020 12:50

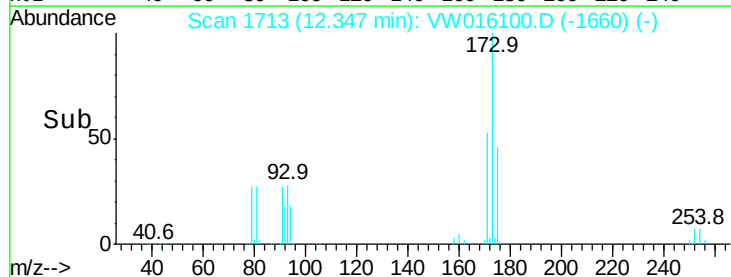
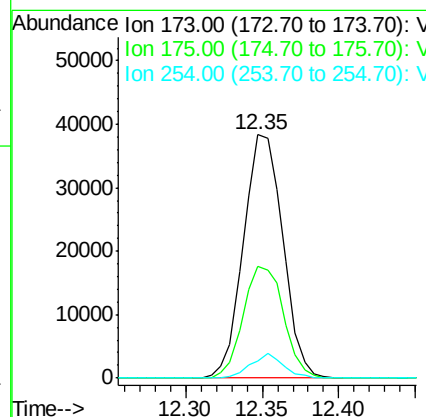
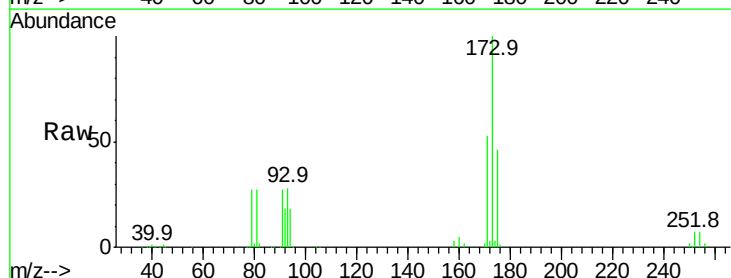
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

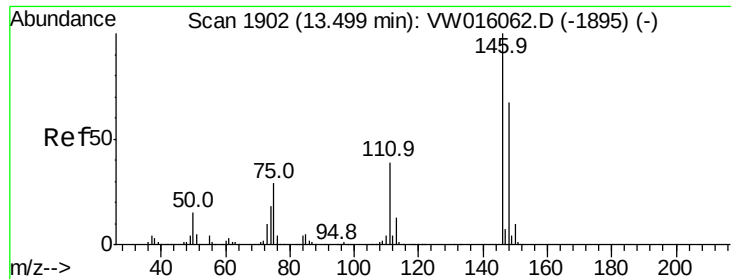
Tgt Ion: 75 Resp: 96329
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.0 39.0



#62
 Bromoform
 Concen: 24.724 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: VW016100.D
 Acq: 10 Aug 2020 12:50

Tgt Ion: 173 Resp: 68794
 Ion Ratio Lower Upper
 173 100
 175 47.2 38.7 58.1
 254 8.5 7.9 11.9

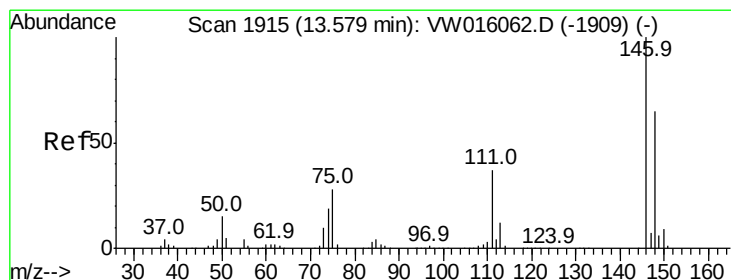
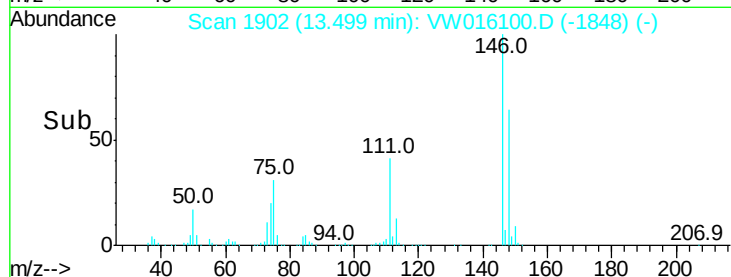
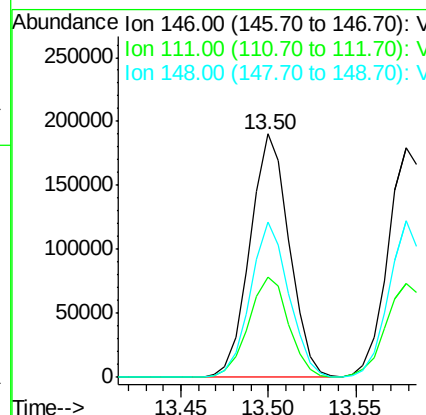
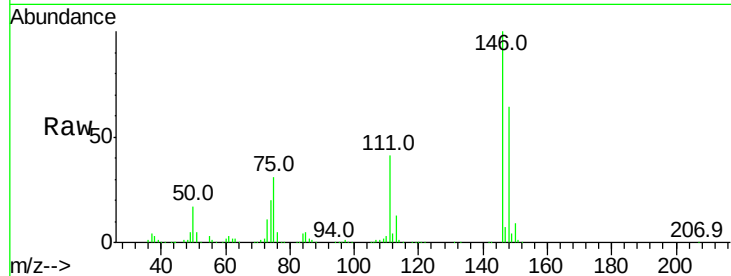




#63
 1,3-Dichlorobenzene
 Concen: 24.486 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016100.D
 Acq: 10 Aug 2020 12:50

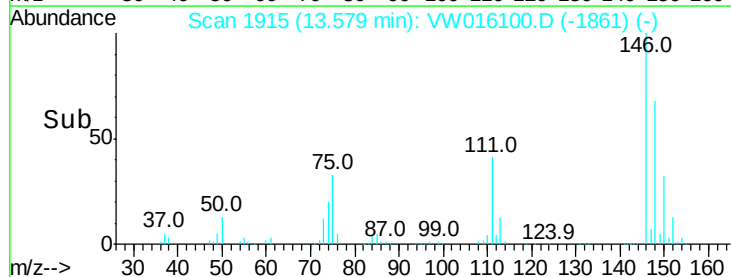
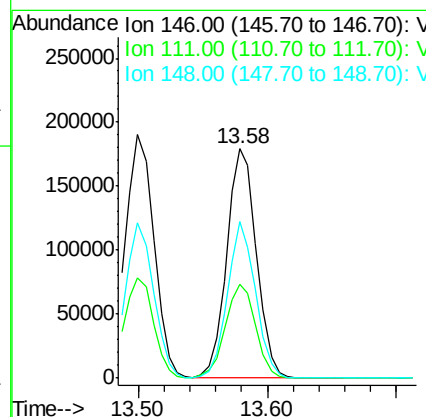
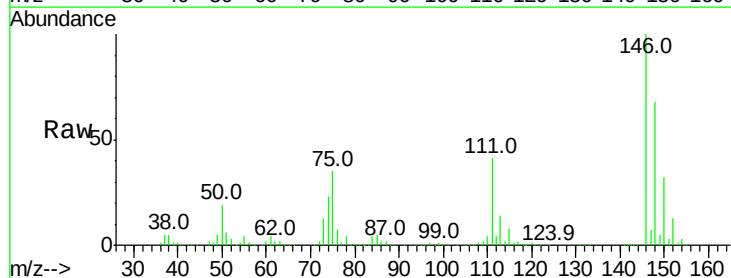
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

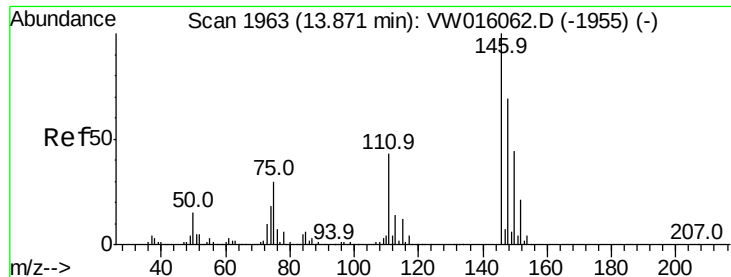
Tgt Ion:146 Resp: 296425
 Ion Ratio Lower Upper
 146 100
 111 41.3 27.9 51.7
 148 63.8 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 23.559 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016100.D
 Acq: 10 Aug 2020 12:50

Tgt Ion:146 Resp: 289451
 Ion Ratio Lower Upper
 146 100
 111 40.9 29.3 54.3
 148 68.1 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 24.670 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016100.D

Acq: 10 Aug 2020 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

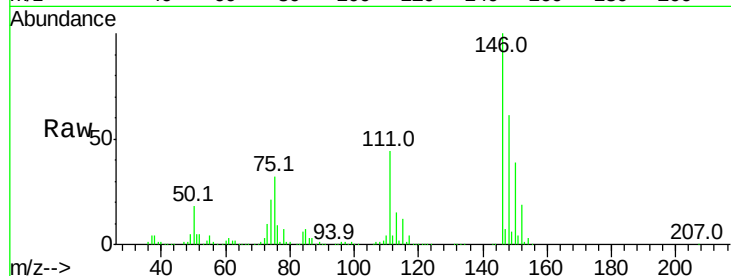
Tgt Ion:146 Resp: 271281

Ion Ratio Lower Upper

146 100

111 44.1 32.9 49.3

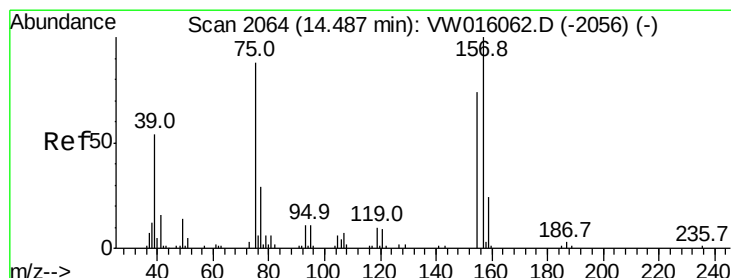
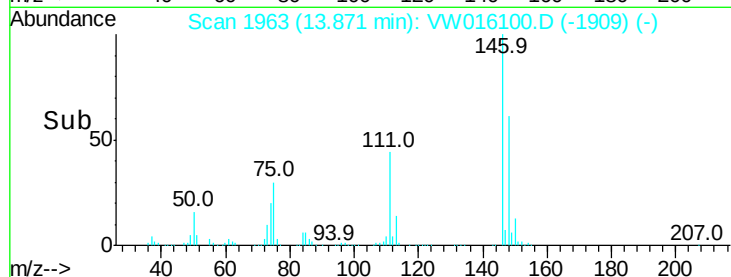
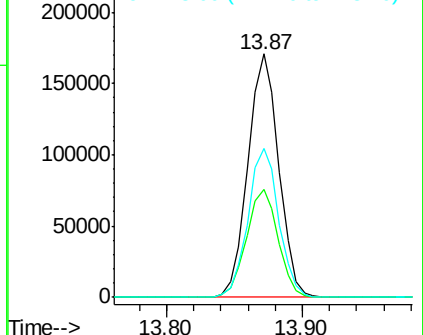
148 61.2 48.8 73.2



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: 27.307 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016100.D

Acq: 10 Aug 2020 12:50

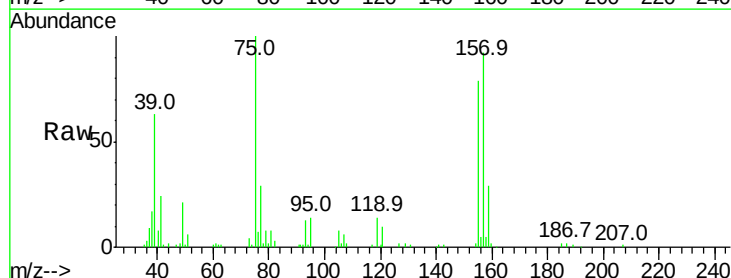
Tgt Ion: 75 Resp: 22601

Ion Ratio Lower Upper

75 100

157 92.4 83.0 124.4

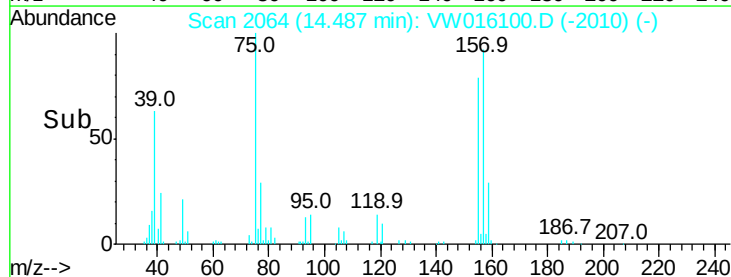
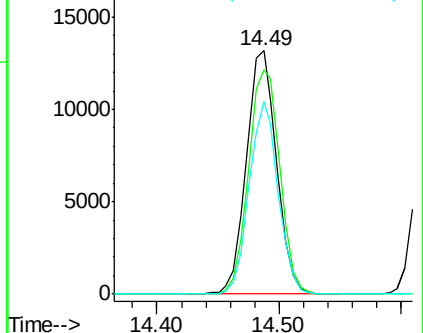
155 79.3 66.9 100.3

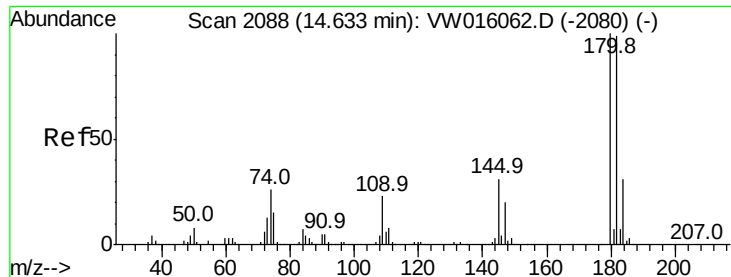


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

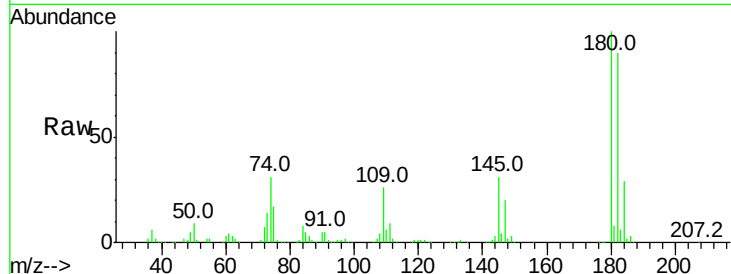




#67
 1,3,5-Trichlorobenzene
 Concen: 21.766 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW016100.D
 Acq: 10 Aug 2020 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.4	113.0
184	31.4	24.6	37.0
145	33.6	24.1	36.1

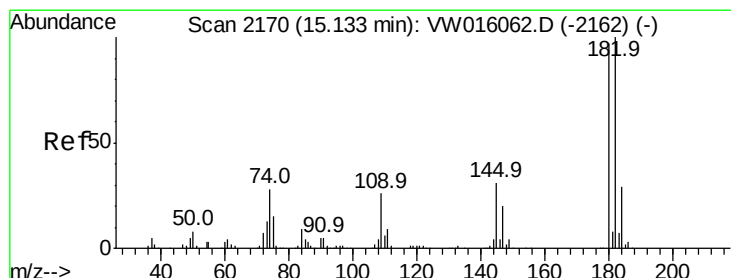
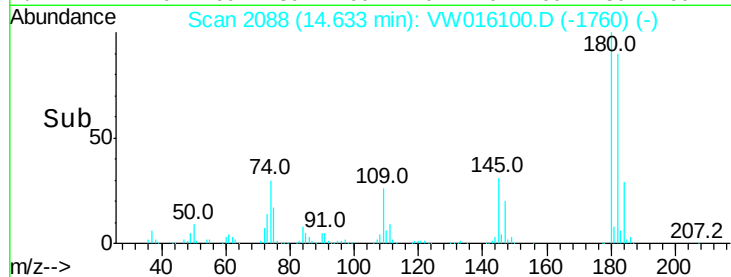
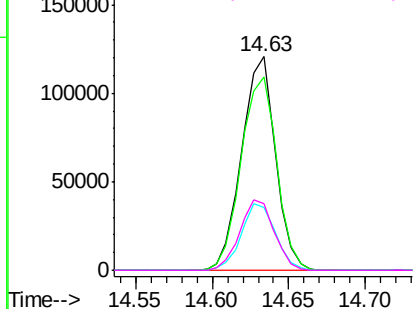


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

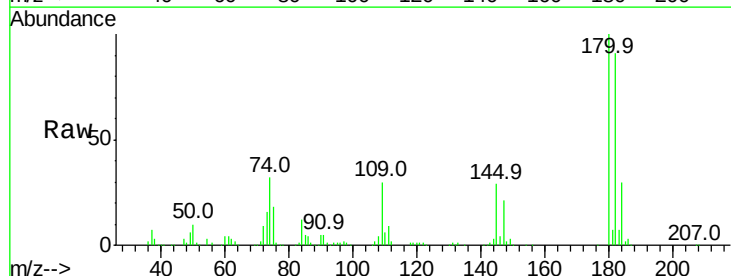
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 22.684 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016100.D
 Acq: 10 Aug 2020 12:50

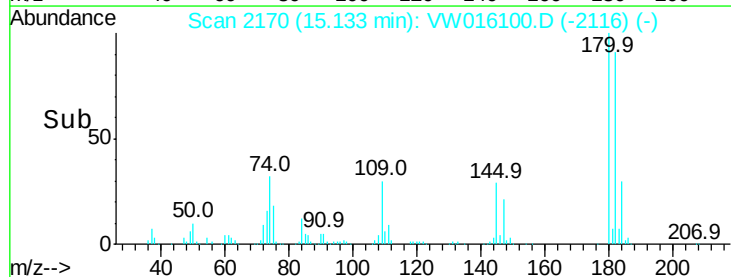
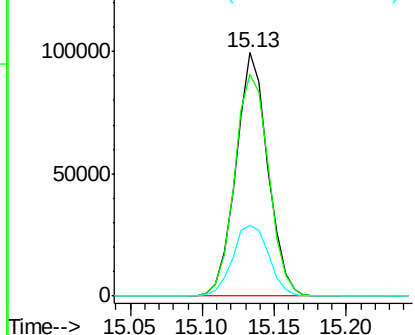
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.0	114.0
145	33.1	24.3	36.5

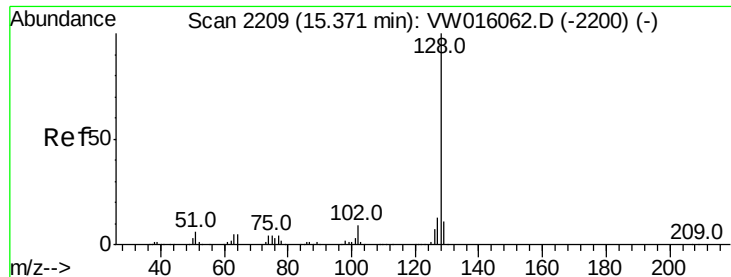


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.353 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016100.D

Acq: 10 Aug 2020 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

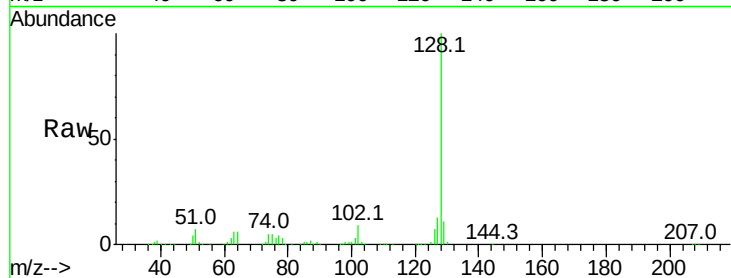
Tgt Ion:128 Resp: 335676

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

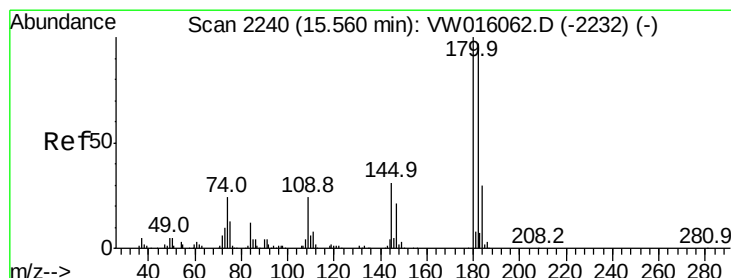
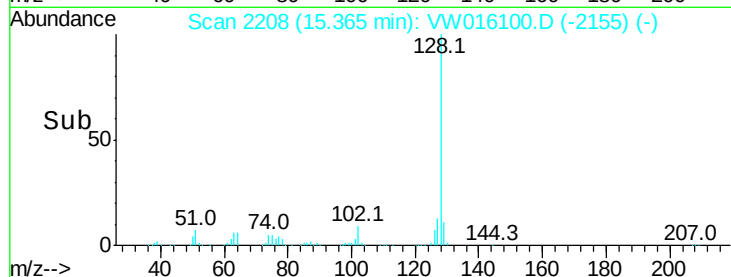
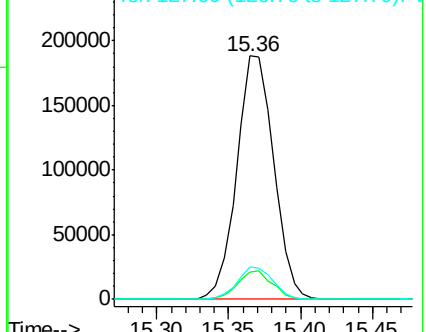
127 12.9 10.5 15.7



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: 23.631 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW016100.D

Acq: 10 Aug 2020 12:50

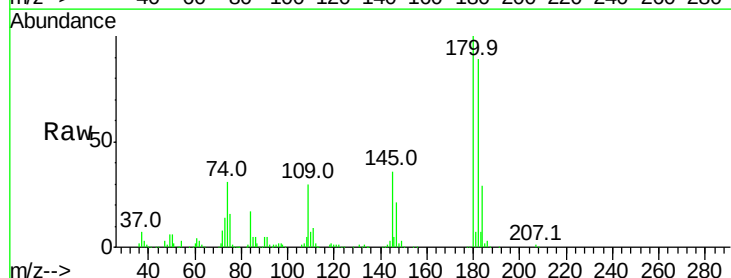
Tgt Ion:180 Resp: 142358

Ion Ratio Lower Upper

180 100

182 95.0 74.0 111.0

145 37.4 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

