

Data File : VW015752.D
Acq On : 29 Jun 2020 10:07
Operator : SY/VA
Sample : VSTD005
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

Quant Time: Jun 29 11:09:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062920S.M
Quant Title : VOC Analysis
QLast Update : Mon Jun 29 11:07:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	354466	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	316431	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	148178	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	29286	9.02	ug/L	0.00
7) Chloroethane-d5	2.89	69	23247	7.20	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	52313	6.61	ug/L	0.00
20) 2-Butanone-d5	7.09	46	10730	10.12	ug/L	0.00
24) Chloroform-d	7.65	84	49482	6.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	28203	6.18	ug/L	0.00
29) Benzene-d6	8.27	84	96530	6.22	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	28874	6.12	ug/L	0.00
37) Toluene-d8	10.33	98	89334	5.92	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	11815	5.42	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	7889	9.66	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	20288	5.71	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	28394	5.72	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	15657	5.000 ug/L	100
3) Chloromethane	2.21	50	17920	5.198 ug/L	99
5) Vinyl chloride	2.37	62	28235	5.446 ug/L	99
6) Bromomethane	2.79	94	19059	5.656 ug/L	99
8) Chloroethane	2.93	64	17748	5.624 ug/L	98
9) Trichlorofluoromethane	3.26	101	19306	5.233 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	22263	5.088 ug/L	97
12) 1,1-Dichloroethene	4.04	96	21713	5.137 ug/L	94
13) Acetone	4.14	43	10069	12.281 ug/L	99
14) Carbon disulfide	4.39	76	64100	4.546 ug/L	98
15) Methyl Acetate	4.67	43	8773	4.946 ug/L	99
16) Methylene chloride	4.92	84	32416	7.451 ug/L	99
17) Methyl tert-butyl Ether	5.43	73	31830	4.746 ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	22715	5.015 ug/L	96
19) 1,1-Dichloroethane	6.22	63	41620	5.108 ug/L	99
21) 2-Butanone	7.18	43	12115	9.619 ug/L	96
22) cis-1,2-Dichloroethene	7.18	96	23135	4.896 ug/L	98
23) Bromochloromethane	7.51	128	10296	5.053 ug/L	96
25) Chloroform	7.68	83	41884	5.106 ug/L	98
27) 1,2-Dichloroethane	8.40	62	28929	5.213 ug/L	98
30) Cyclohexane	7.96	56	36272	4.637 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	36506	5.157 ug/L	99
32) Carbon tetrachloride	8.07	117	32617	5.024 ug/L	98
34) Benzene	8.32	78	91211	5.154 ug/L	100
35) Trichloroethene	9.09	95	24618	5.179 ug/L	99
36) Methylcyclohexane	9.34	83	41128	4.851 ug/L	99
40) 1,2-Dichloropropane	9.37	63	22568	5.179 ug/L	99
41) Bromodichloromethane	9.65	83	27985	4.807 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	31908	4.576 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	22621	8.855 ug/L	99

Data File : VW015752.D
Acq On : 29 Jun 2020 10:07
Operator : SY/VA
Sample : VSTD005
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

Quant Time: Jun 29 11:09:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062920S.M
Quant Title : VOC Analysis
QLast Update : Mon Jun 29 11:07:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	97274	5.045	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	27311	4.500	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	15293	5.016	ug/L	96
47) Tetrachloroethene	10.87	164	19538	5.185	ug/L	95
49) 2-Hexanone	10.97	43	15918	9.232	ug/L	96
50) Dibromochloromethane	11.13	129	17182	4.639	ug/L	98
51) 1,2-Dibromoethane	11.24	107	14495	4.952	ug/L	95
52) Chlorobenzene	11.66	112	60514	5.004	ug/L	100
53) Ethylbenzene	11.73	91	107772	4.868	ug/L	99
54) m,p-Xylene	11.84	106	39939	4.808	ug/L	92
55) o-xylene	12.17	106	37314	4.732	ug/L	98
56) Styrene	12.18	104	62502	4.639	ug/L	97
57) Isopropylbenzene	12.47	105	105063	4.783	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	17591	4.984	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	13270	4.958	ug/L	98
62) Bromoform	12.35	173	8823	4.273	ug/L #	98
63) 1,3-Dichlorobenzene	13.50	146	45115	4.976	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	45104	5.077	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	39994	5.076	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	2467	4.127	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.63	180	30062	4.789	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	23734	4.694	ug/L	99
69) Naphthalene	15.37	128	38181	4.159	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	19465	4.525	ug/L	95

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

Data File : VW015752.D

Acq On : 29 Jun 2020 10:07

Operator : SY/VA

Sample : VSTD005

Misc : 5.00G/10ML/MSVOA W/SOIL

```
ALS Vial      : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

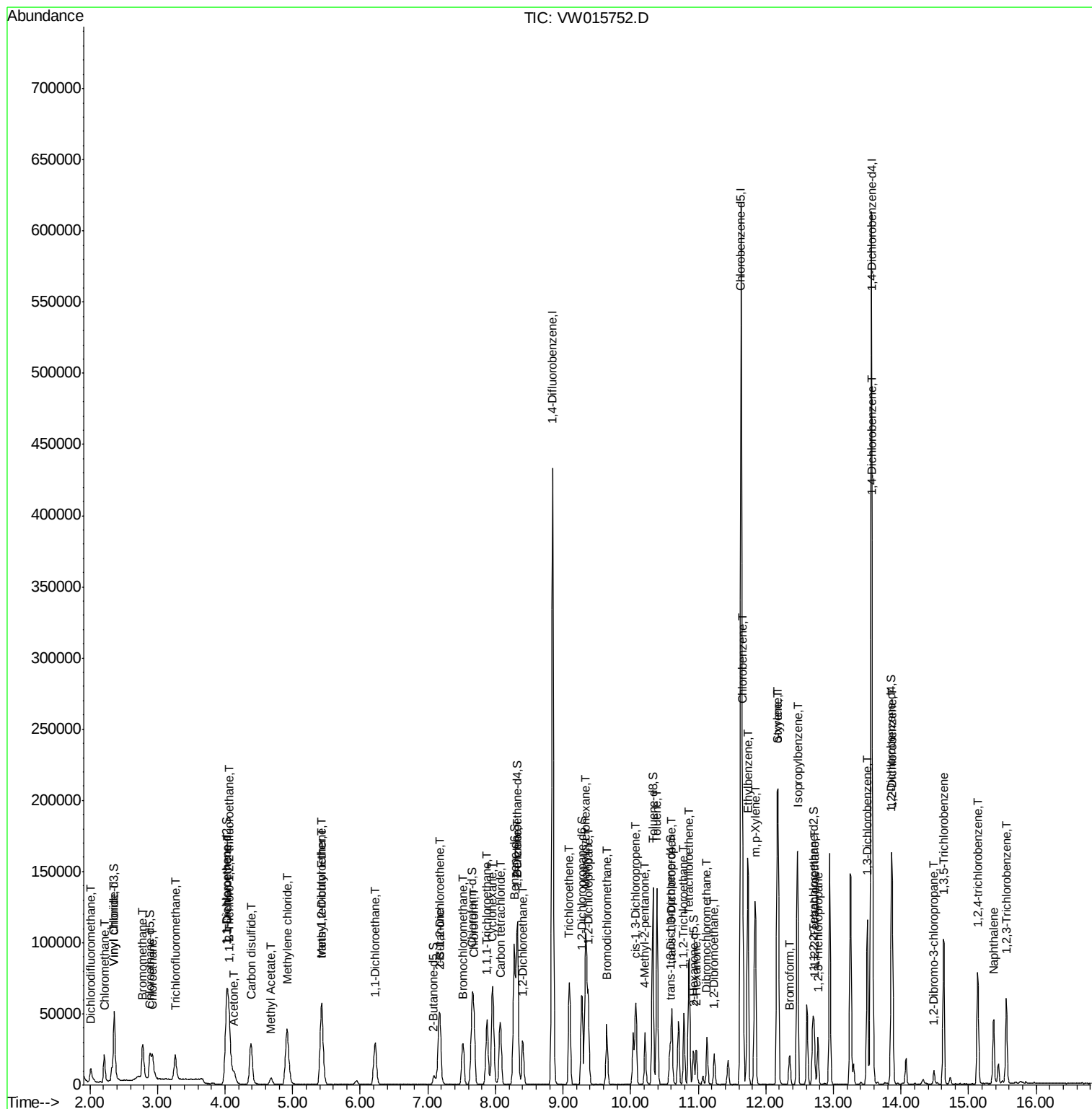
Quant Time: Jun 29 11:09:45 2020

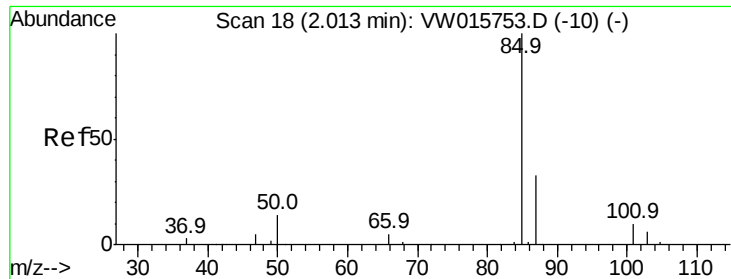
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062920S.M

Quant Title : VOC Analysis

QLast Update : Mon Jun 29 11:07:30 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.000 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

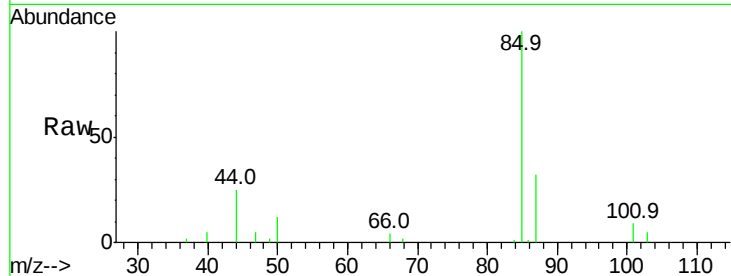
VSTD00505

Tgt Ion: 85 Resp: 15657

Ion Ratio Lower Upper

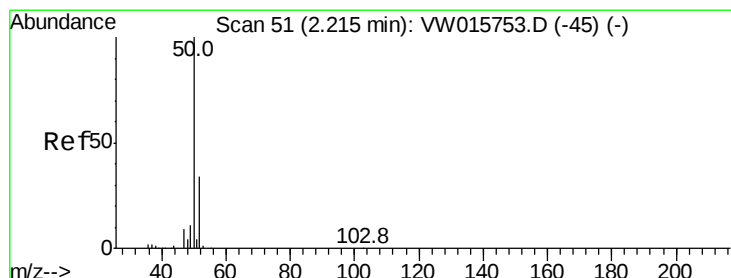
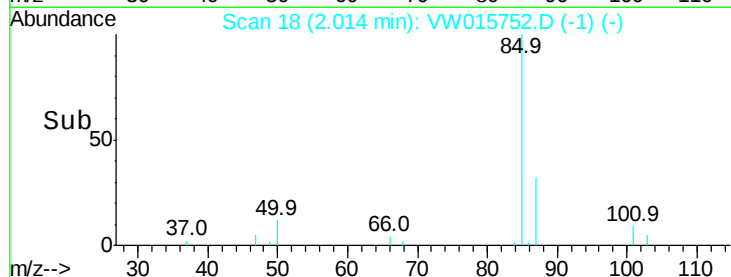
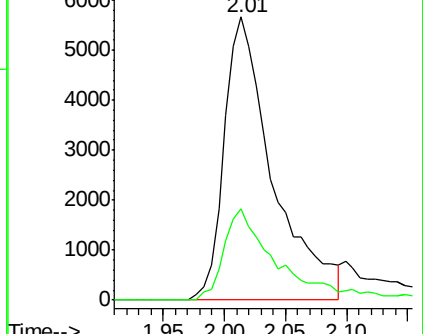
85 100

87 30.1 21.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 5.198 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015752.D

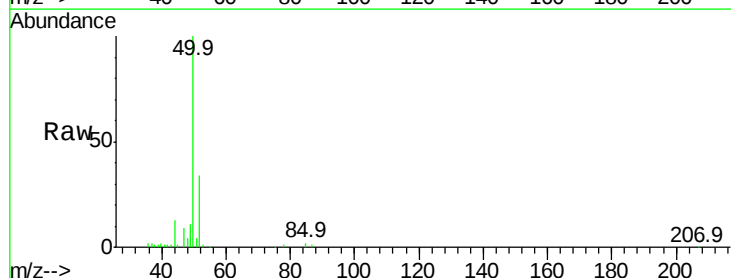
Acq: 29 Jun 2020 10:07

Tgt Ion: 50 Resp: 17920

Ion Ratio Lower Upper

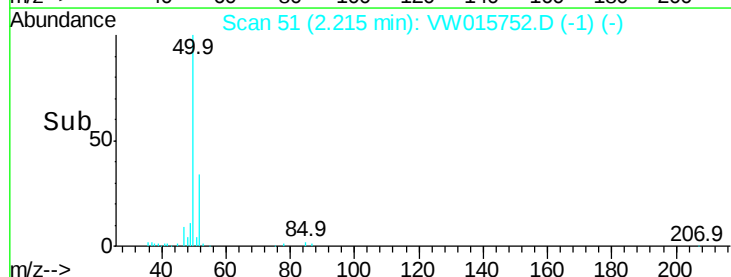
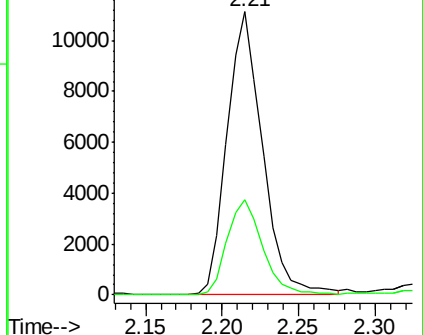
50 100

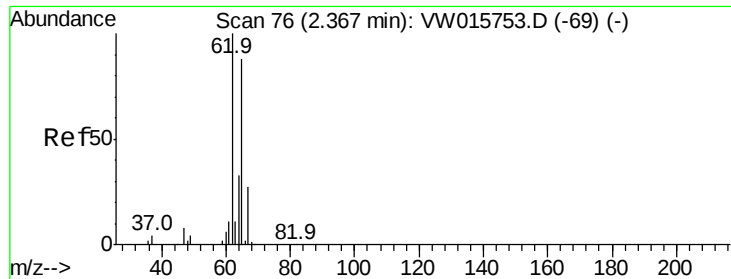
52 33.6 23.7 44.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 5.446 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

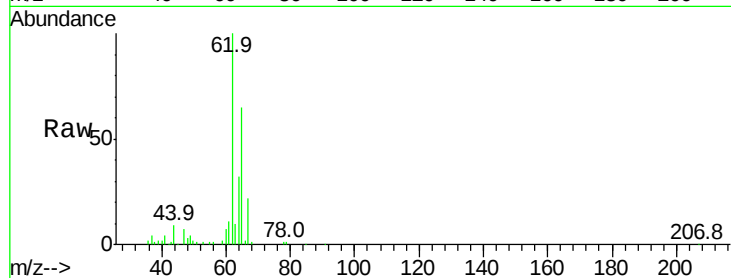
VSTD00505

Tgt Ion: 62 Resp: 28235

Ion Ratio Lower Upper

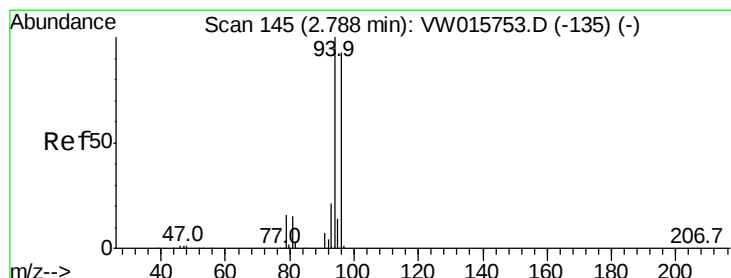
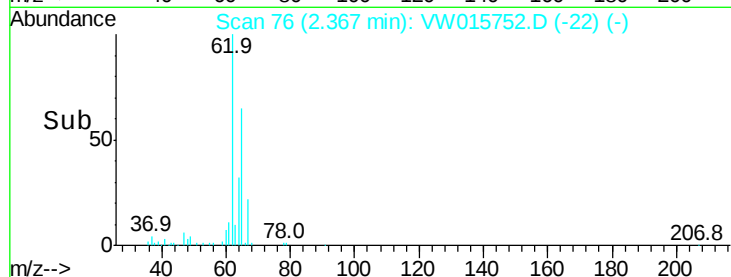
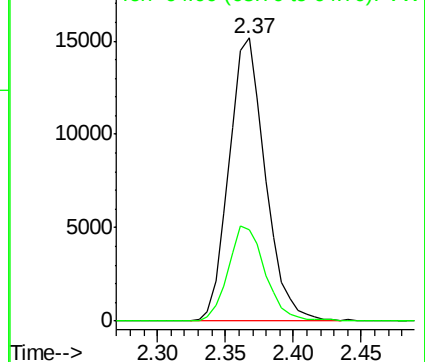
62 100

64 32.5 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 5.656 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015752.D

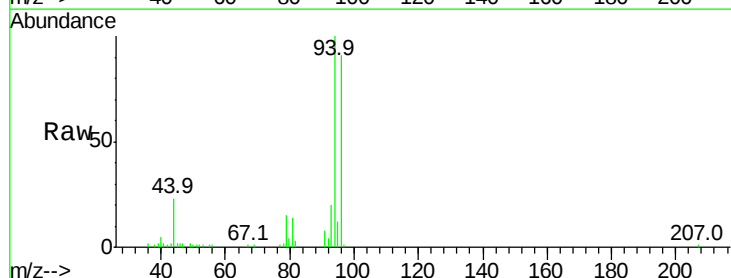
Acq: 29 Jun 2020 10:07

Tgt Ion: 94 Resp: 19059

Ion Ratio Lower Upper

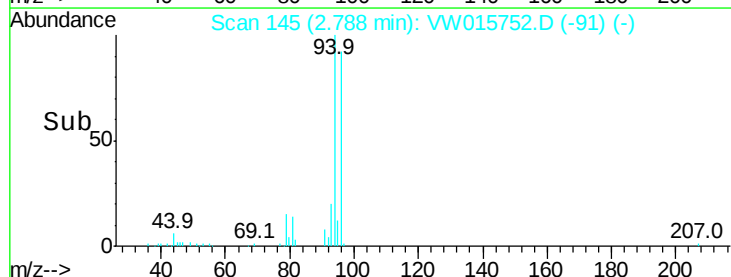
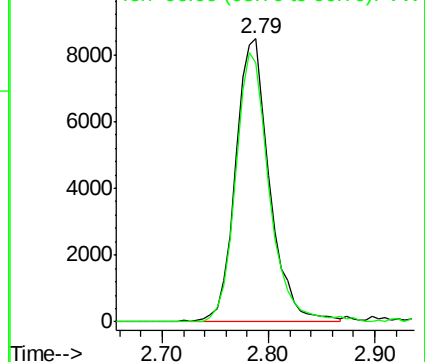
94 100

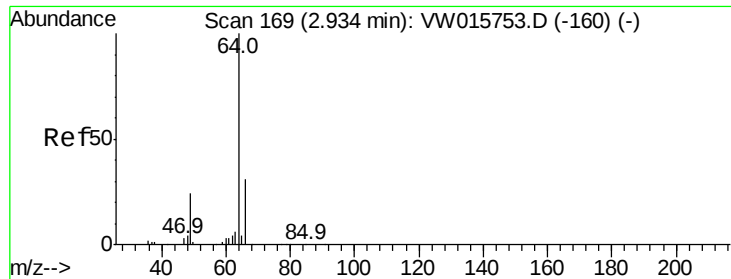
96 93.4 9.4 179.2



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 5.624 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

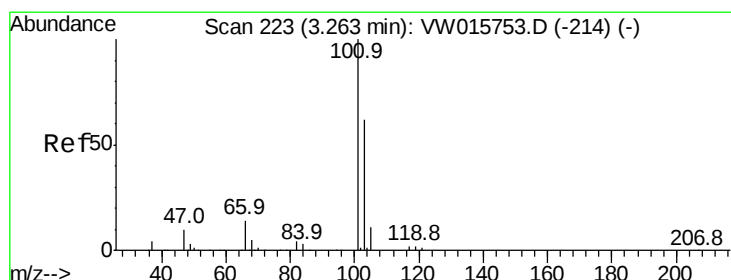
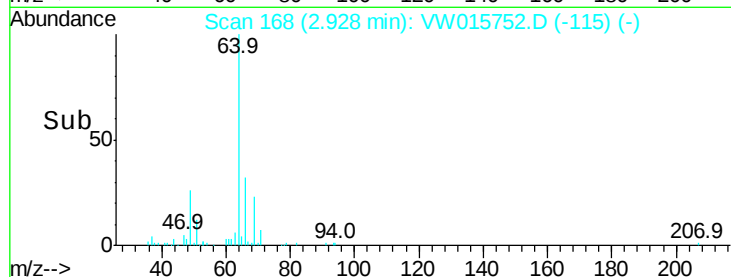
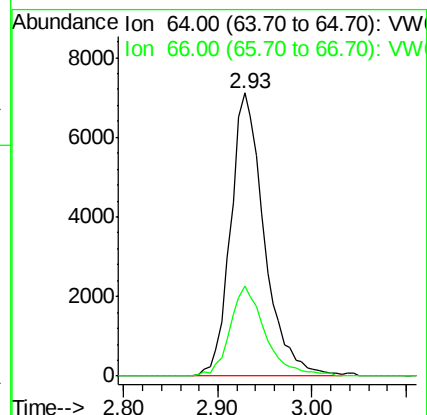
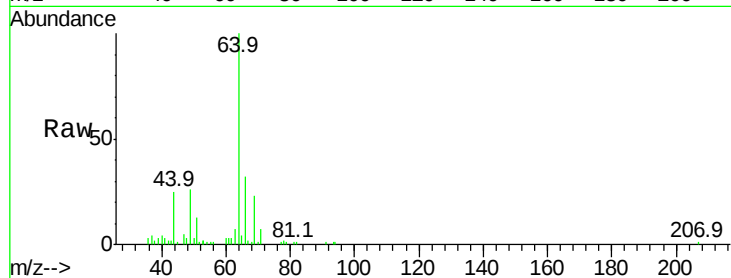
VSTD00505

Tgt Ion: 64 Resp: 17748

Ion Ratio Lower Upper

64 100

66 31.9 21.6 40.2



#9

Trichlorofluoromethane

Concen: 5.233 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW015752.D

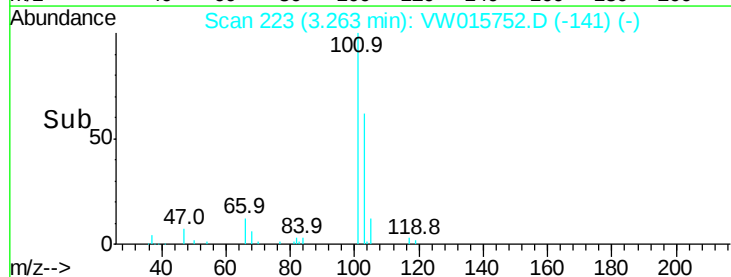
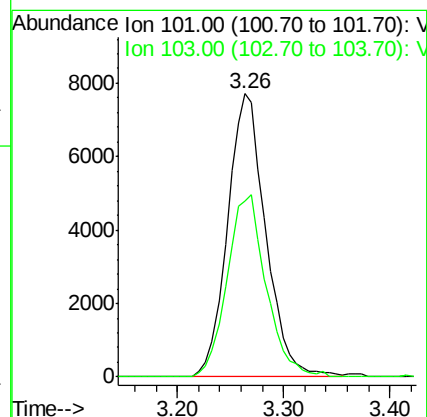
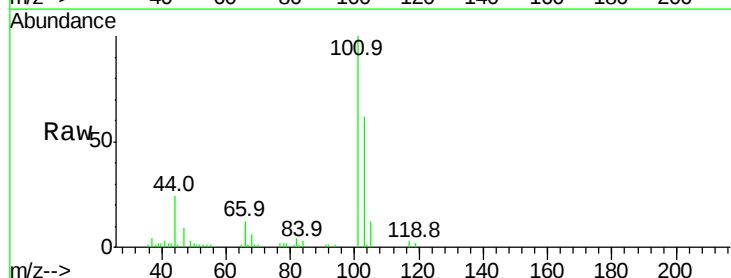
Acq: 29 Jun 2020 10:07

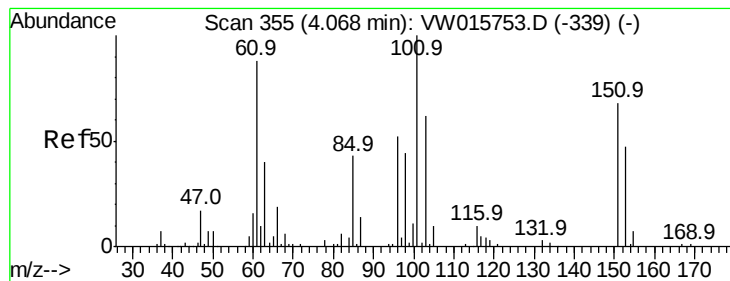
Tgt Ion: 101 Resp: 19306

Ion Ratio Lower Upper

101 100

103 65.3 44.4 82.4





#11

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

Concen: 5.088 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

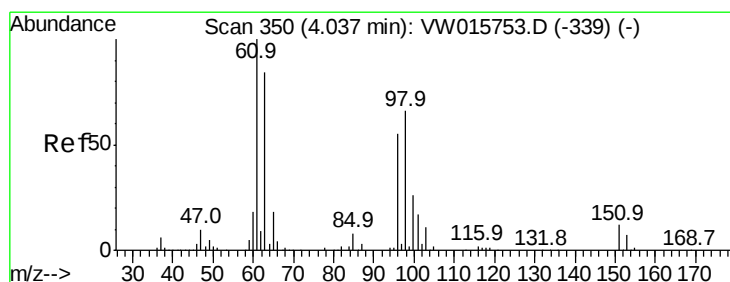
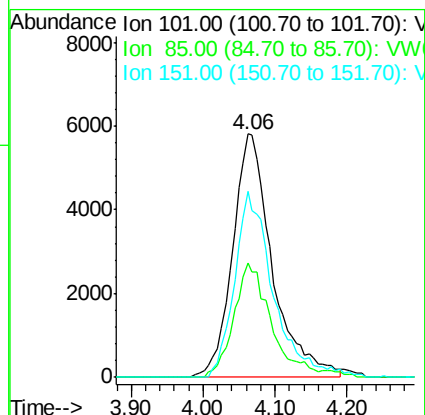
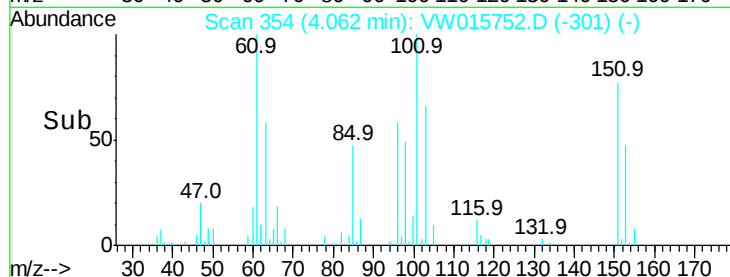
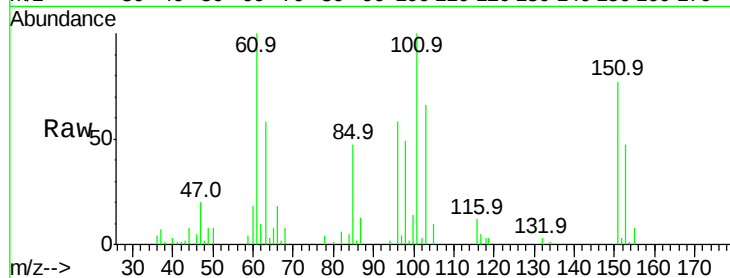
Tgt Ion:101 Resp: 22263

Ion Ratio Lower Upper

101 100

85 42.4 34.4 51.6

151 70.2 58.6 88.0



#12

1,1-Dichloroethene

Concen: 5.137 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

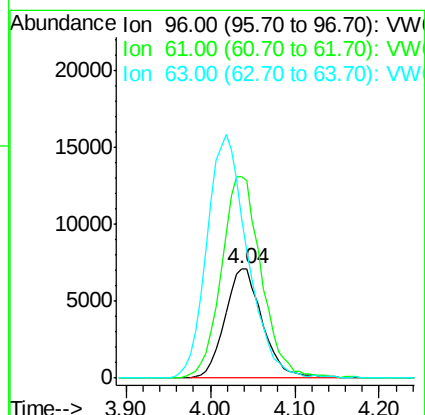
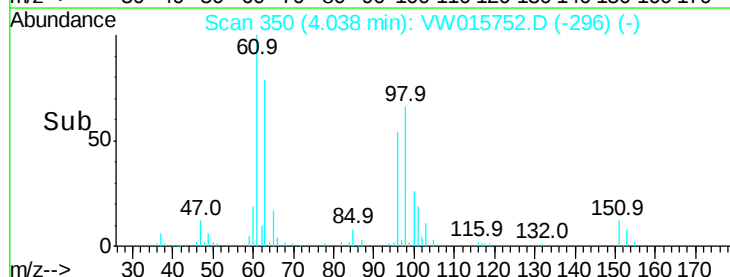
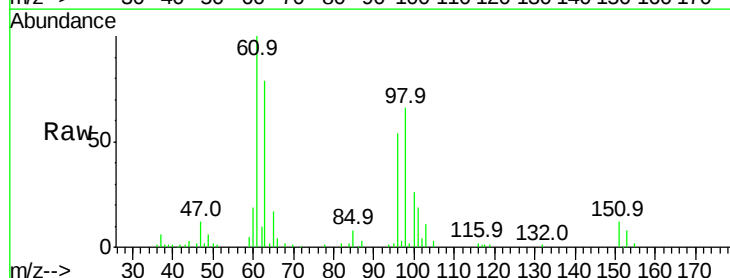
Tgt Ion: 96 Resp: 21713

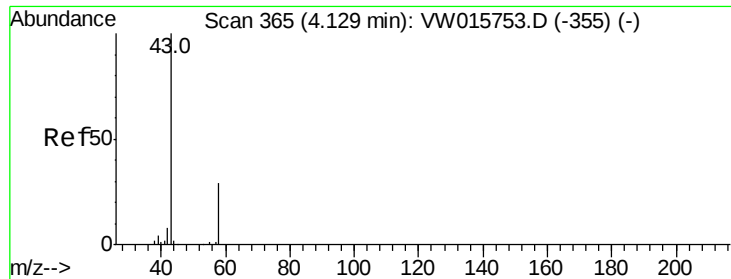
Ion Ratio Lower Upper

96 100

61 183.7 128.0 237.6

63 145.6 112.3 208.7





#13

Acetone

Concen: 12.281 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

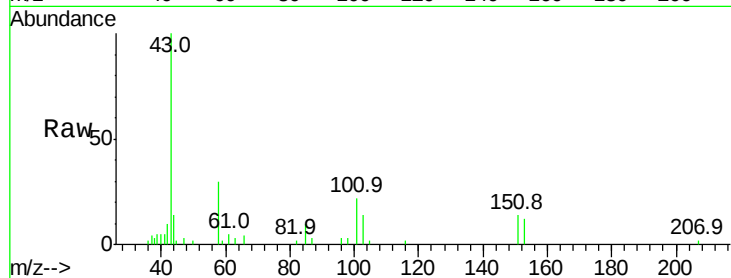
VSTD00505

Tgt Ion: 43 Resp: 10069

Ion Ratio Lower Upper

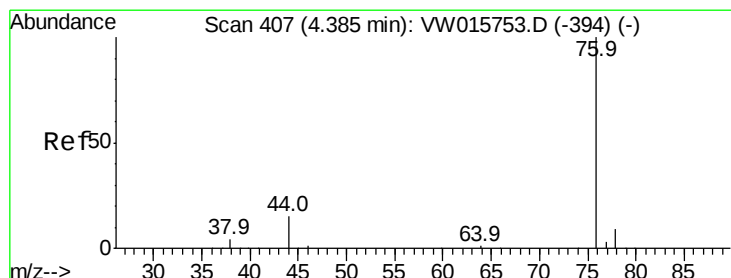
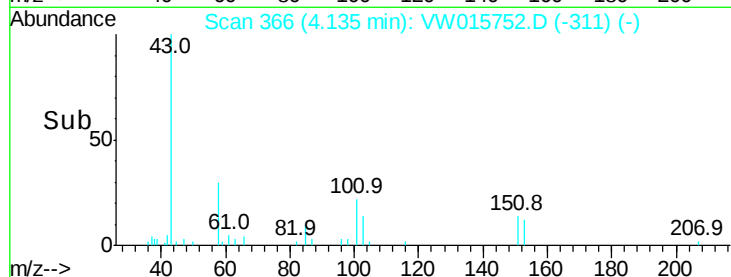
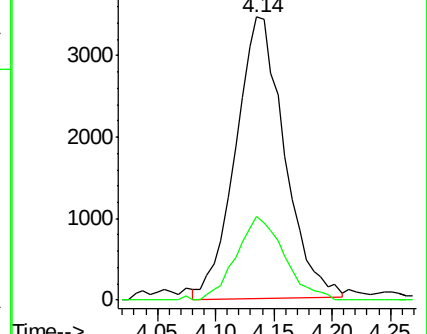
43 100

58 29.1 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 4.546 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015752.D

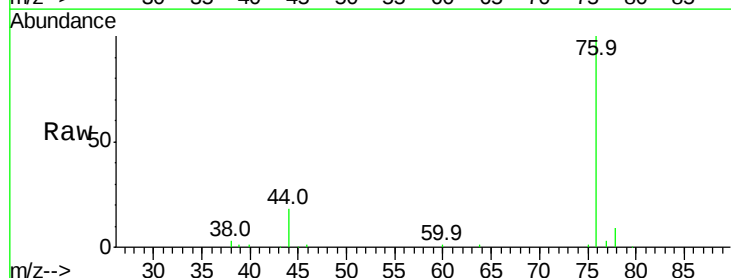
Acq: 29 Jun 2020 10:07

Tgt Ion: 76 Resp: 64100

Ion Ratio Lower Upper

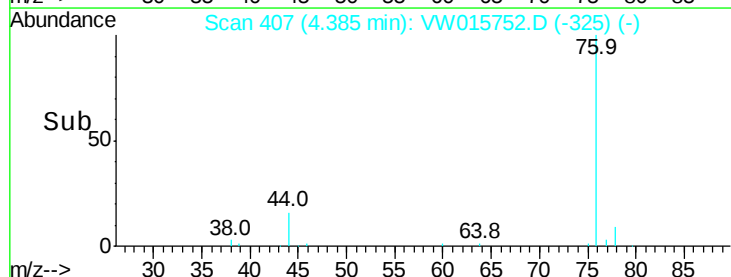
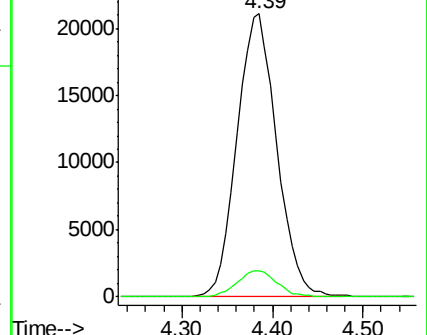
76 100

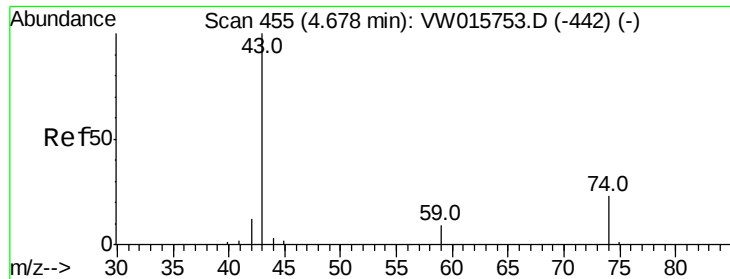
78 9.2 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

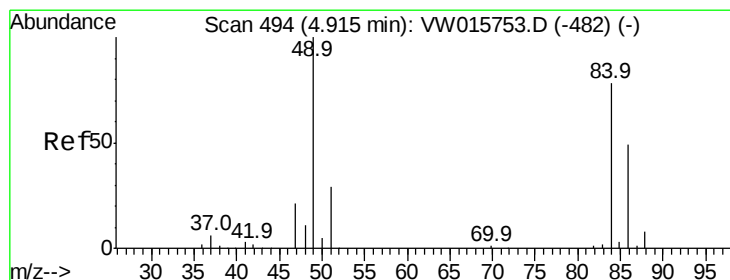
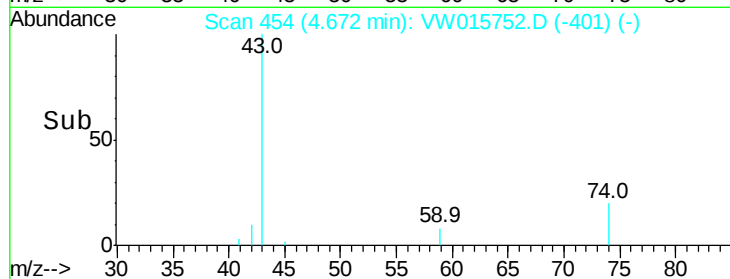
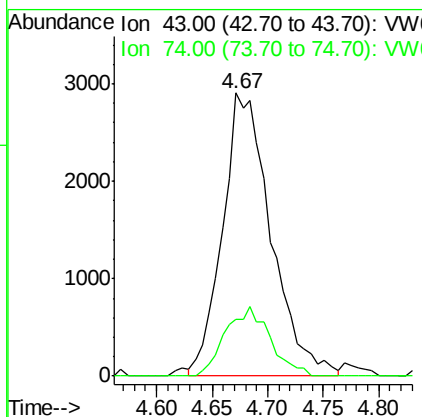
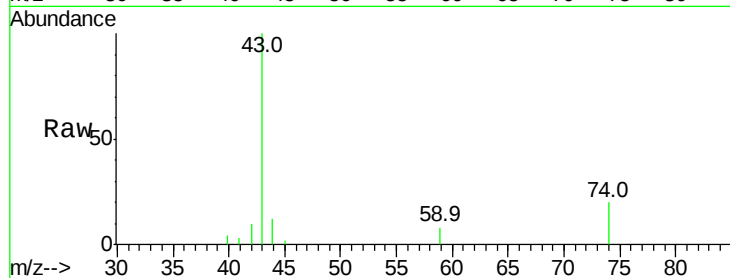




#15
Methyl Acetate
Concen: 4.946 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW015752.D
Acq: 29 Jun 2020 10:07

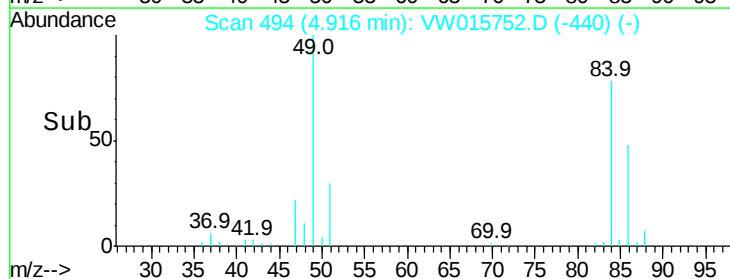
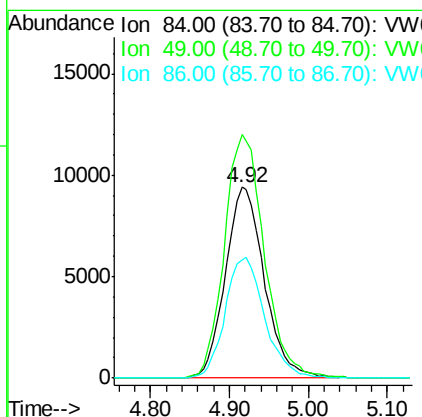
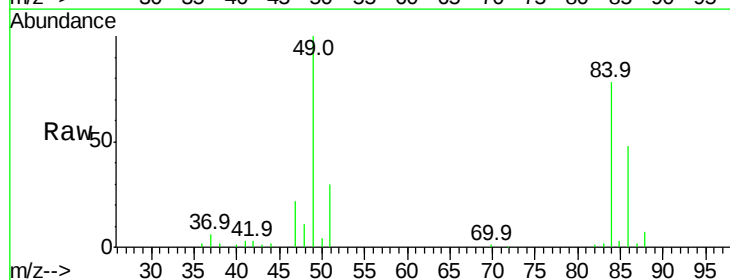
Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

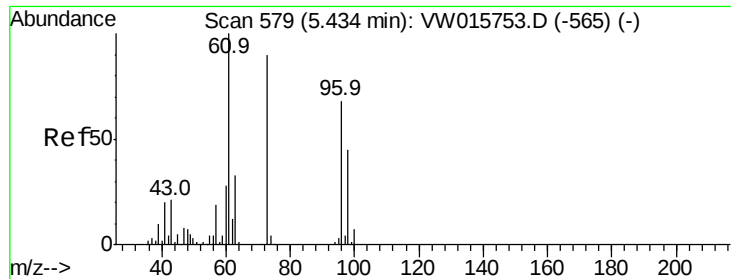
Tgt Ion: 43 Resp: 8773
Ion Ratio Lower Upper
43 100
74 22.6 18.4 27.6



#16
Methylene chloride
Concen: 7.451 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015752.D
Acq: 29 Jun 2020 10:07

Tgt Ion: 84 Resp: 32416
Ion Ratio Lower Upper
84 100
49 127.8 90.0 167.2
86 61.9 44.0 81.8





#17

Methyl tert-butyl Ether

Concen: 4.746 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

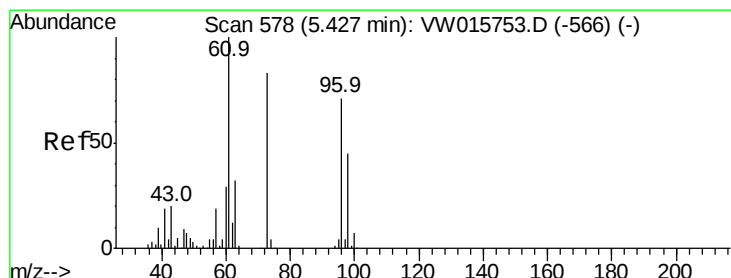
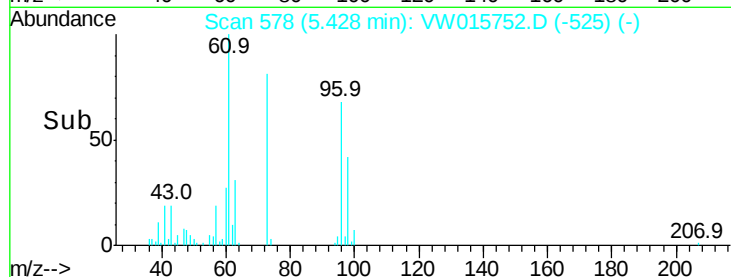
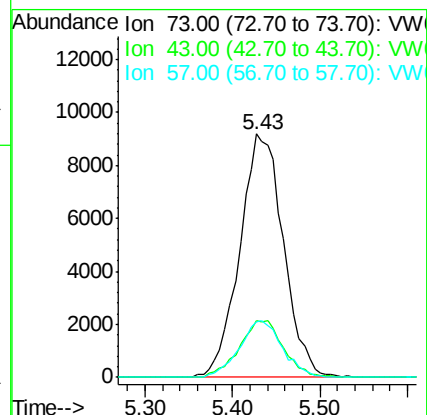
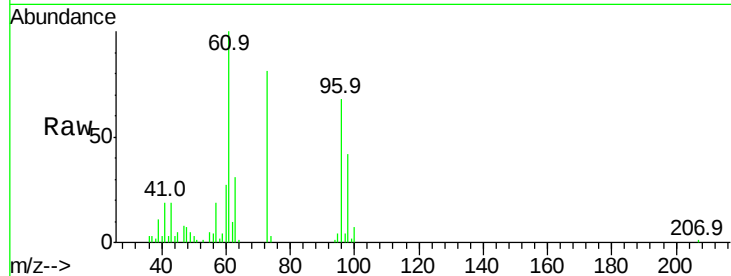
Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

Tgt Ion: 73 Resp: 31830

Ion	Ratio	Lower	Upper
73	100		
43	23.7	19.0	28.4
57	22.8	17.3	25.9



#18

trans-1,2-Dichloroethene

Concen: 5.015 ug/L

RT: 5.43 min Scan# 578

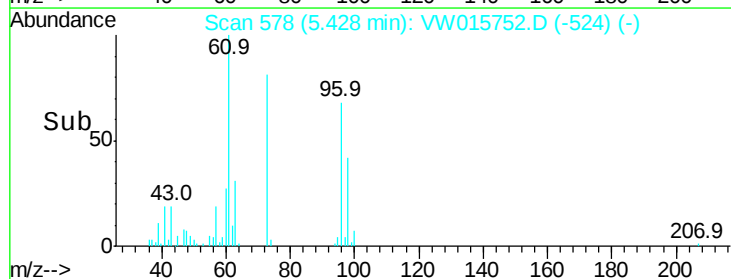
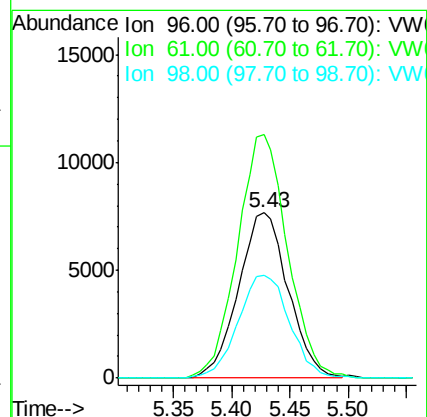
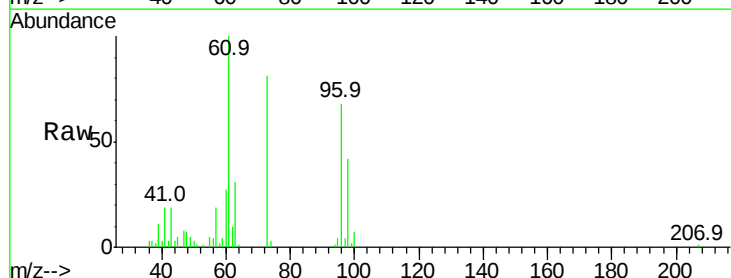
Delta R.T. 0.00 min

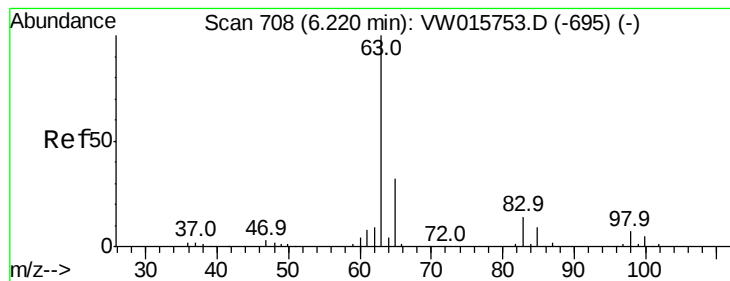
Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

Tgt Ion: 96 Resp: 22715

Ion	Ratio	Lower	Upper
96	100		
61	147.4	98.5	182.9
98	62.2	44.4	82.4





#19

1,1-Dichloroethane

Concen: 5.108 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

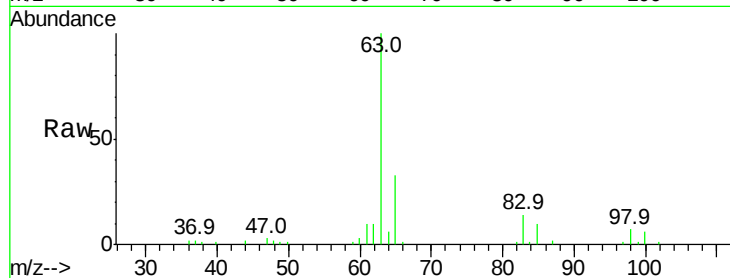
Tgt Ion: 63 Resp: 41620

Ion Ratio Lower Upper

63 100

65 32.6 22.3 41.3

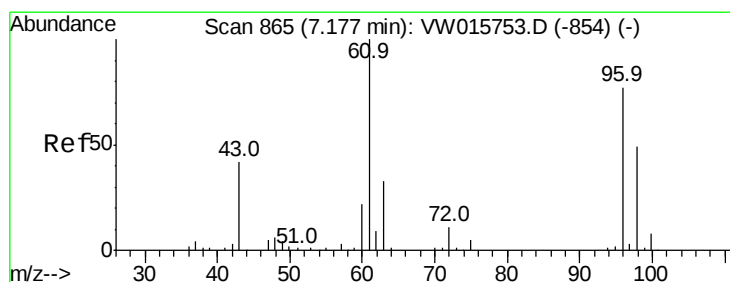
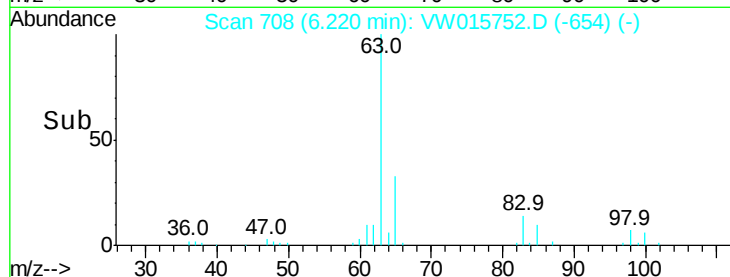
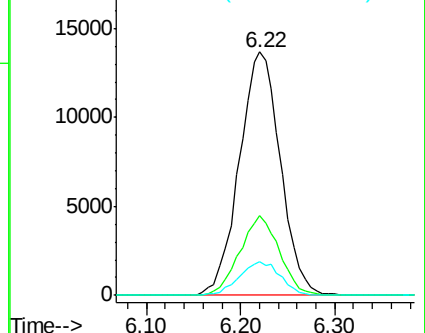
83 14.0 9.5 17.7



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: 9.619 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW015752.D

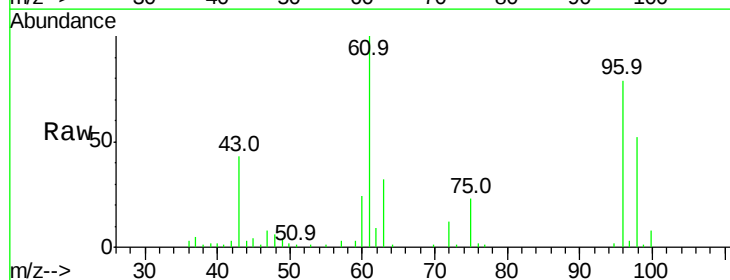
Acq: 29 Jun 2020 10:07

Tgt Ion: 43 Resp: 12115

Ion Ratio Lower Upper

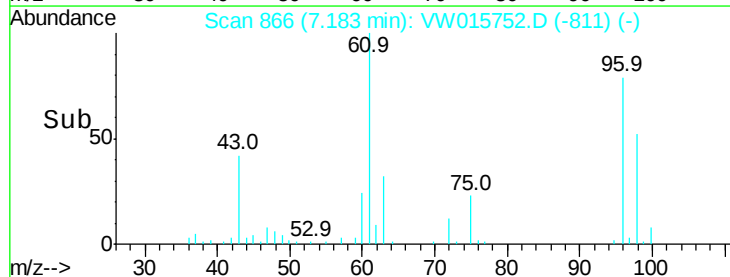
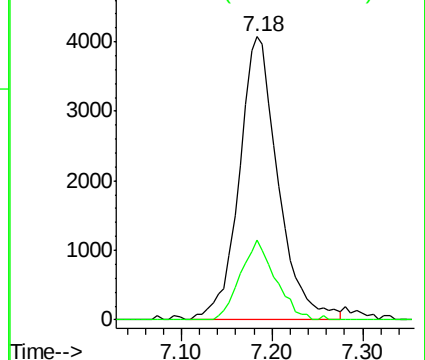
43 100

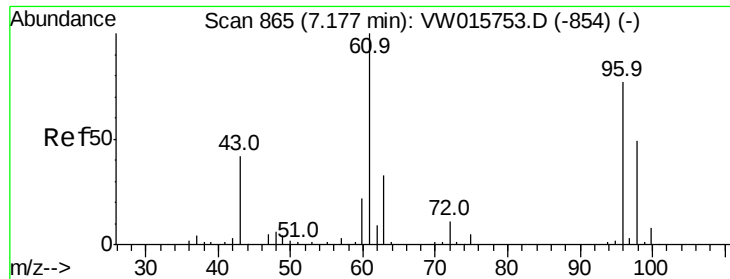
72 25.2 13.7 41.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



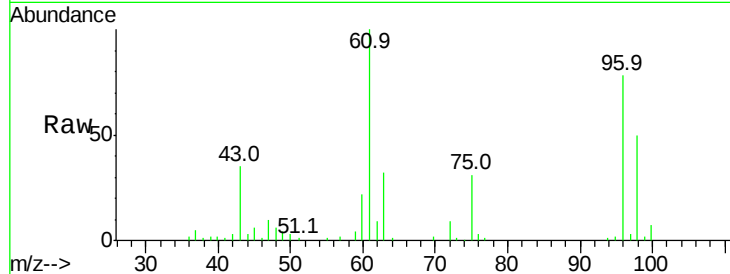


#22

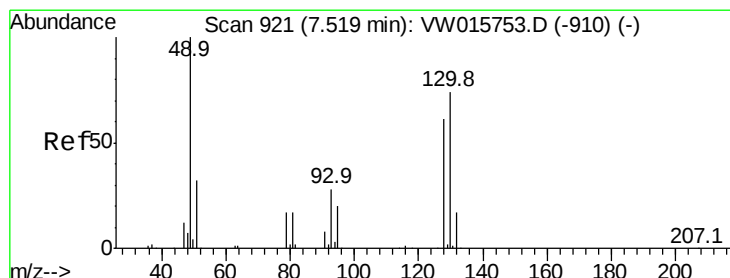
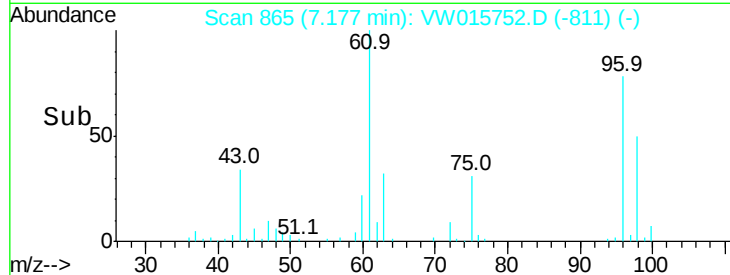
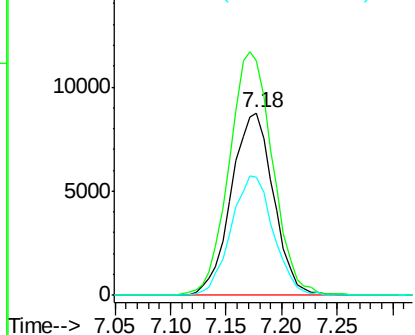
cis-1,2-Dichloroethene
Concen: 4.896 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW015752.D
Acq: 29 Jun 2020 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

Tgt Ion: 96 Resp: 23135
Ion Ratio Lower Upper
96 100
61 128.3 90.8 168.6
98 64.8 44.1 81.9



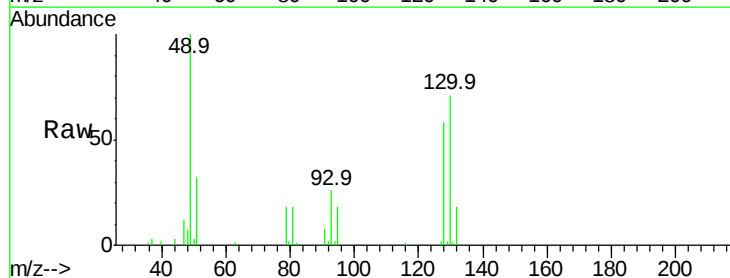
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



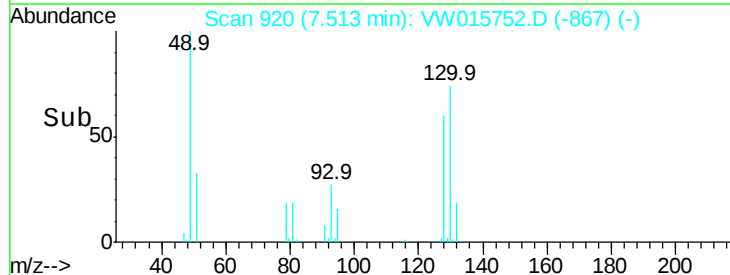
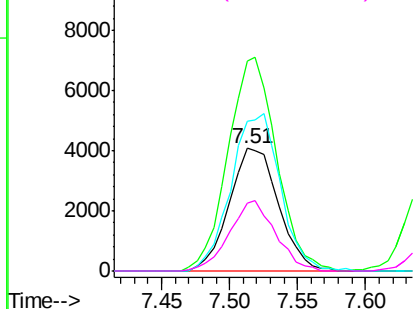
#23

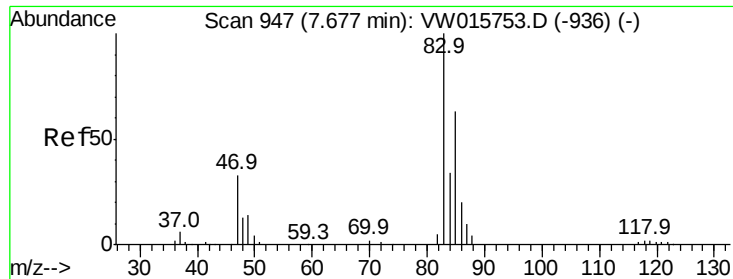
Bromochloromethane
Concen: 5.053 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW015752.D
Acq: 29 Jun 2020 10:07

Tgt Ion: 128 Resp: 10296
Ion Ratio Lower Upper
128 100
49 172.0 115.0 213.6
130 122.5 85.1 158.1
51 55.8 42.6 64.0



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

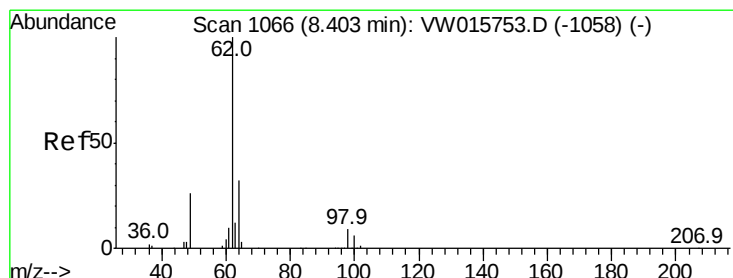
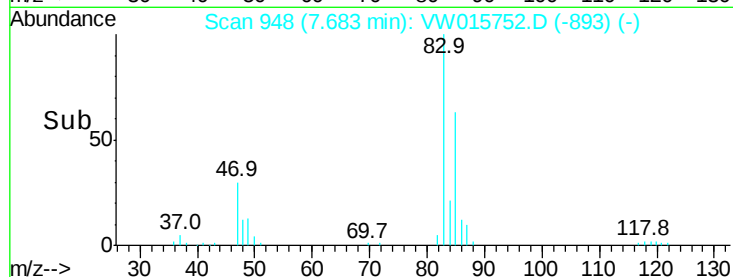
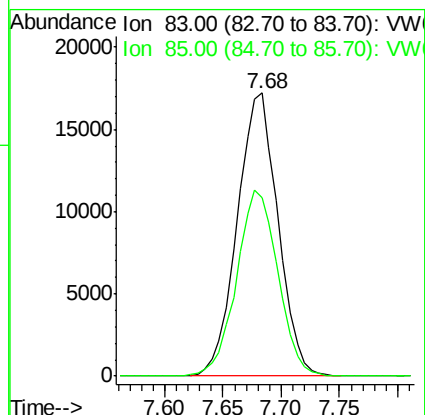
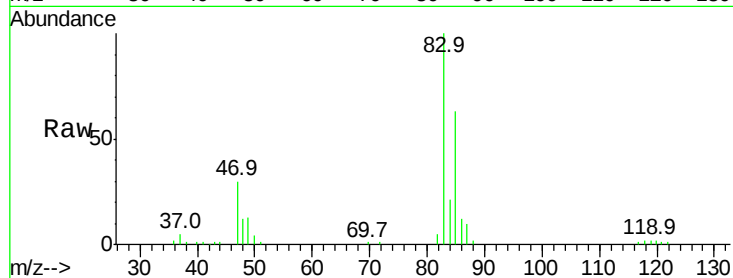




#25
Chloroform
Concen: 5.106 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW015752.D
Acq: 29 Jun 2020 10:07

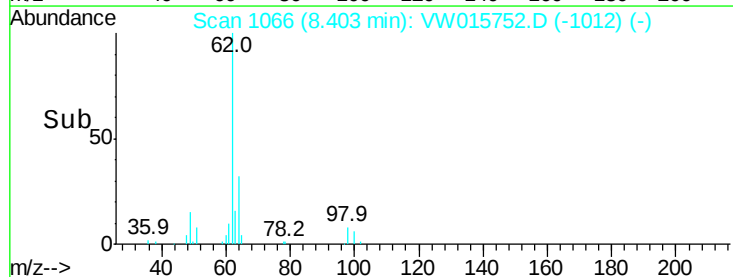
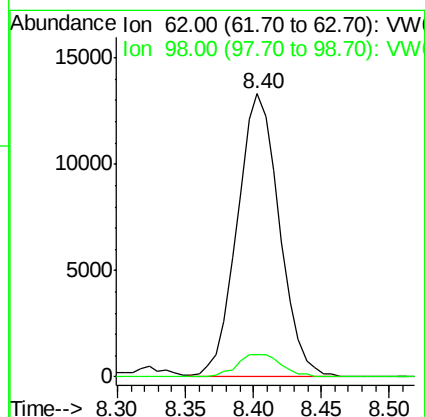
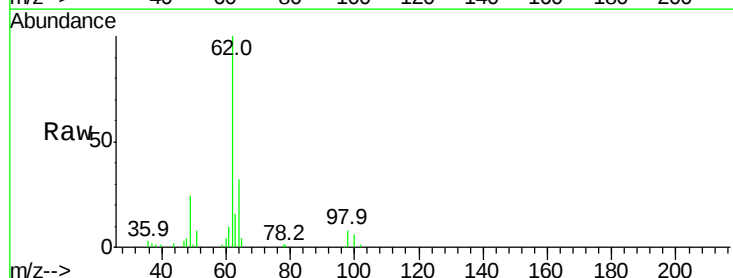
Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

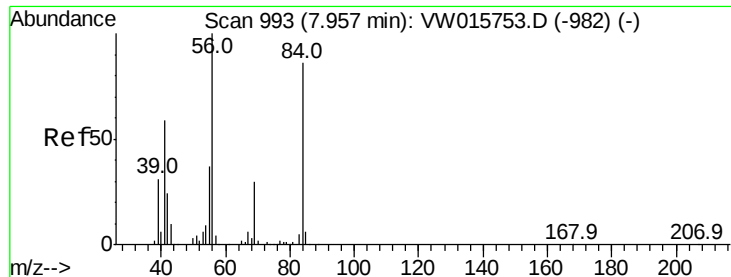
Tgt Ion: 83 Resp: 41884
Ion Ratio Lower Upper
83 100
85 66.5 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.213 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015752.D
Acq: 29 Jun 2020 10:07

Tgt Ion: 62 Resp: 28929
Ion Ratio Lower Upper
62 100
98 7.9 7.0 10.4

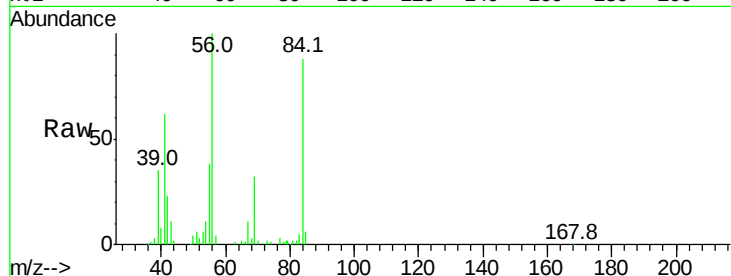




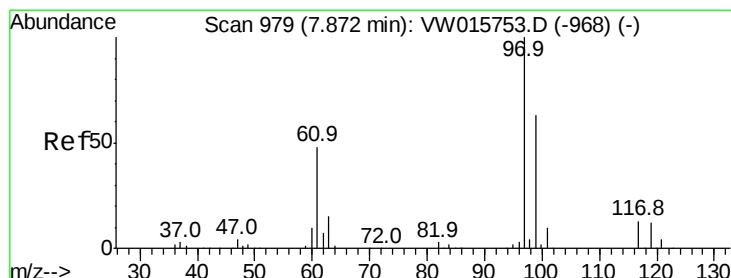
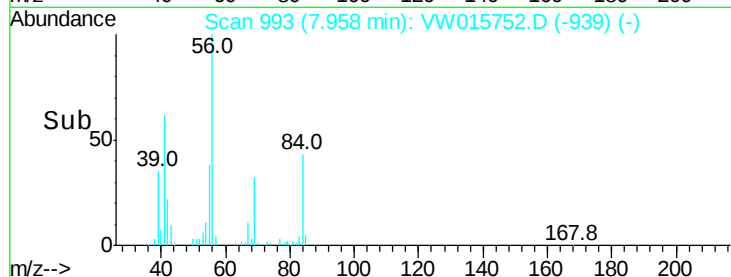
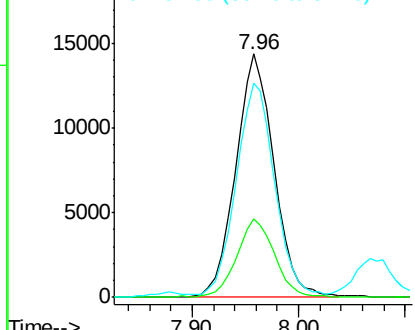
#30
Cyclohexane
Concen: 4.637 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015752.D
Acq: 29 Jun 2020 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

Tgt Ion: 56 Resp: 36272
Ion Ratio Lower Upper
56 100
69 31.7 24.6 37.0
84 89.3 71.1 106.7

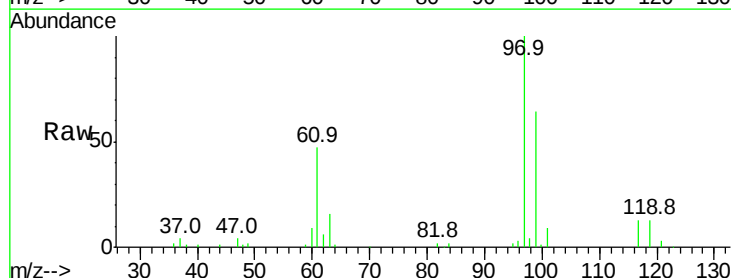


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

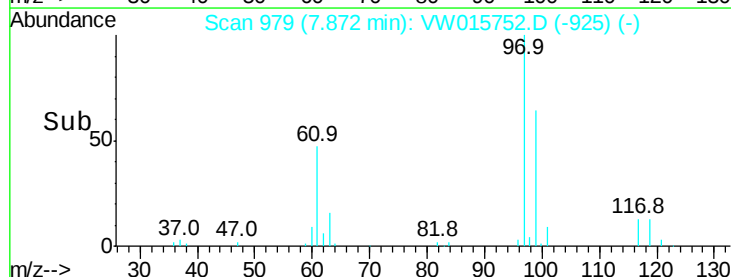
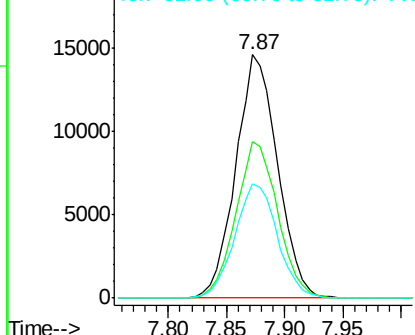


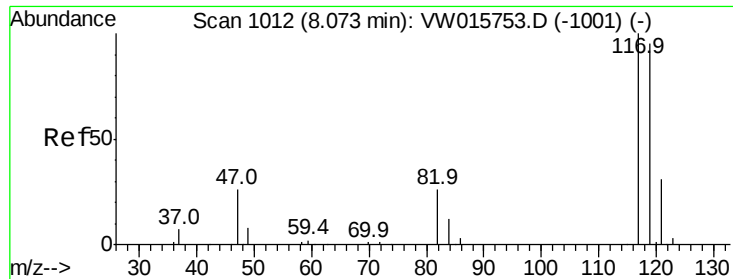
#31
1,1,1-Trichloroethane
Concen: 5.157 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015752.D
Acq: 29 Jun 2020 10:07

Tgt Ion: 97 Resp: 36506
Ion Ratio Lower Upper
97 100
99 64.0 50.5 75.7
61 47.8 37.9 56.9



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 5.024 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

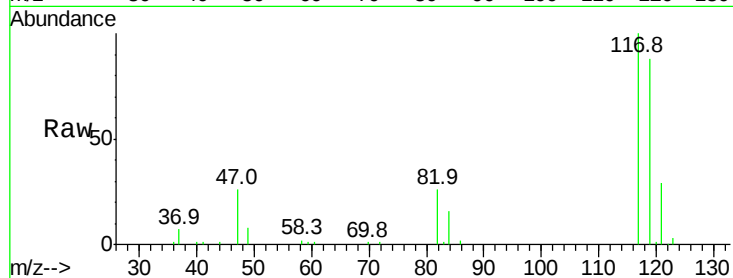
VSTD00505

Tgt Ion:117 Resp: 32617

Ion Ratio Lower Upper

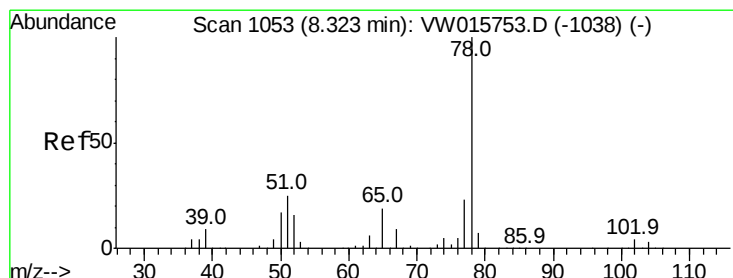
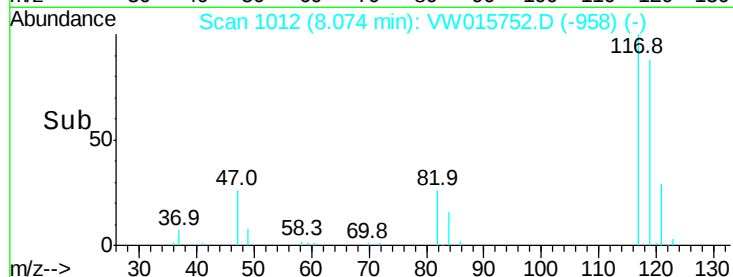
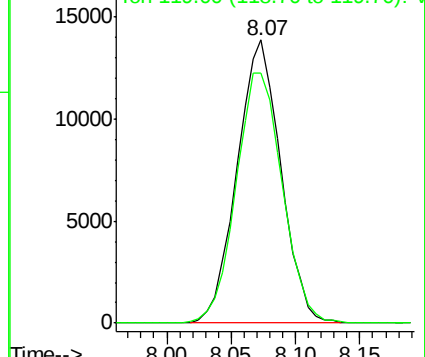
117 100

119 94.0 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 5.154 ug/L

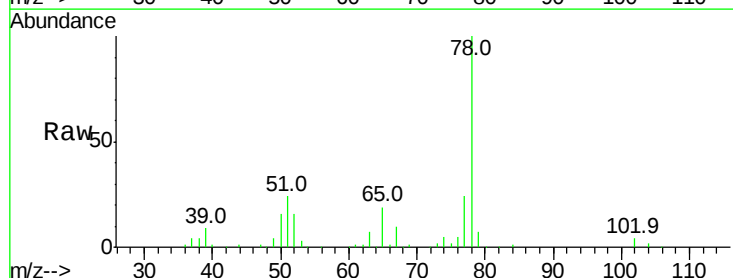
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

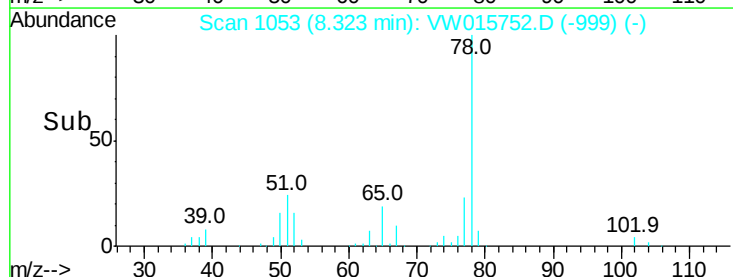
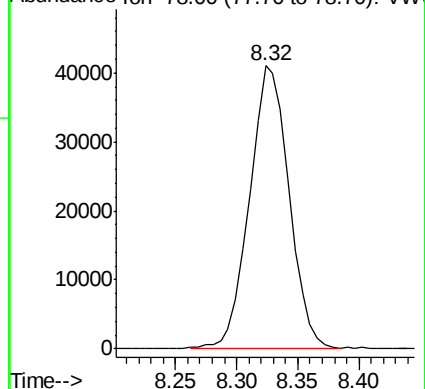
Lab File: VW015752.D

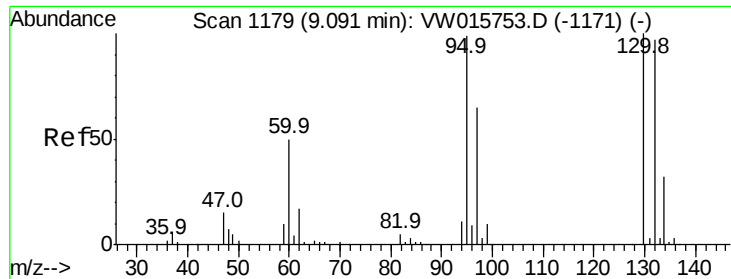
Acq: 29 Jun 2020 10:07

Tgt Ion: 78 Resp: 91211



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 5.179 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

Tgt Ion: 95 Resp: 24618

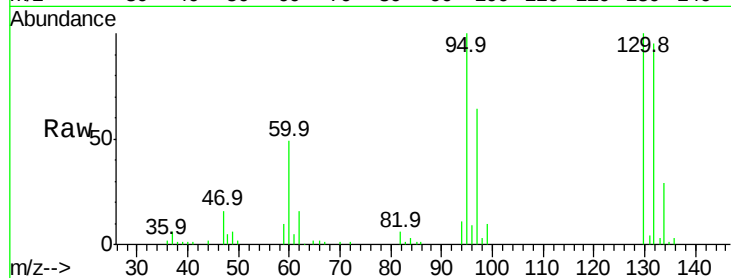
Ion Ratio Lower Upper

95 100

97 64.5 44.9 83.3

132 97.3 67.8 126.0

130 98.7 70.1 130.1



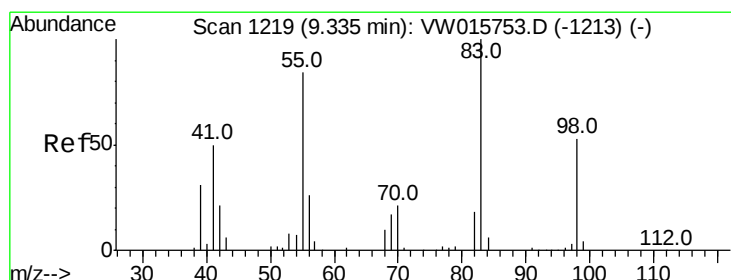
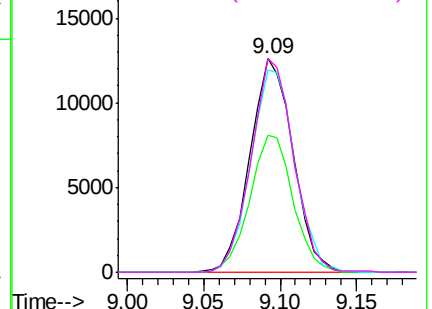
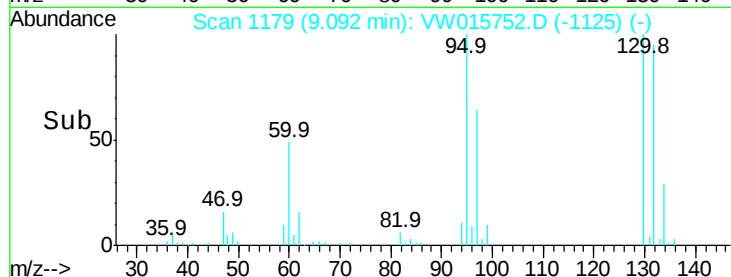
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 4.851 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

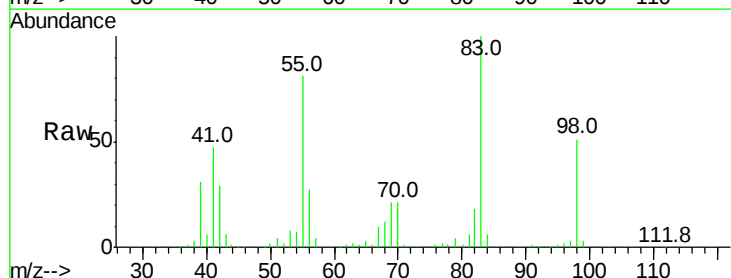
Tgt Ion: 83 Resp: 41128

Ion Ratio Lower Upper

83 100

55 80.0 62.7 94.1

98 49.4 39.4 59.2

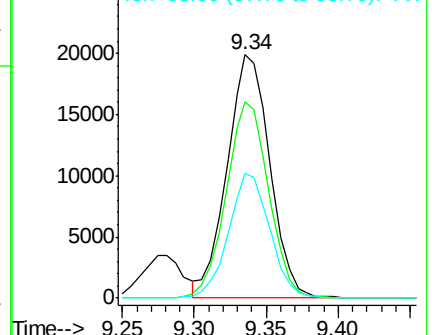
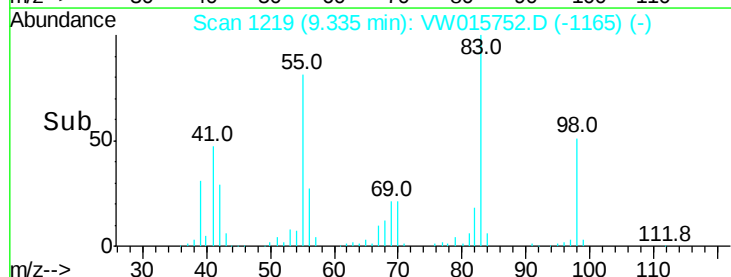


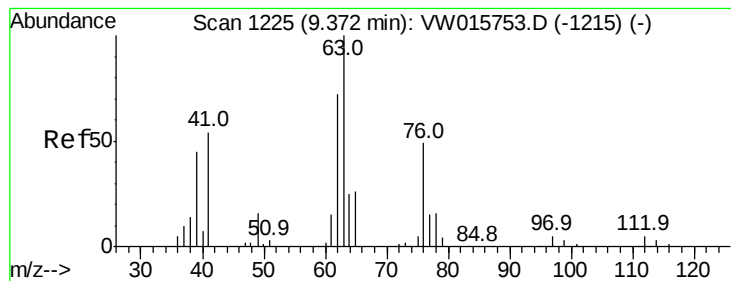
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 5.179 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampled :

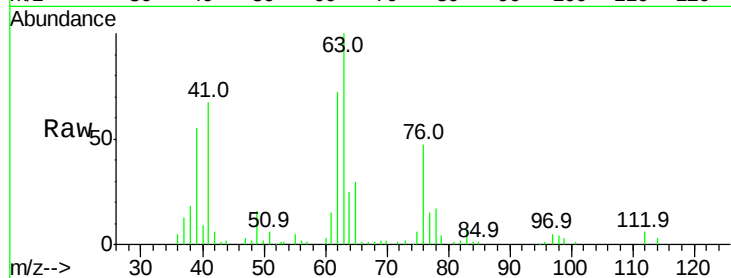
VSTD00505

Tgt Ion: 63 Resp: 22568

Ion Ratio Lower Upper

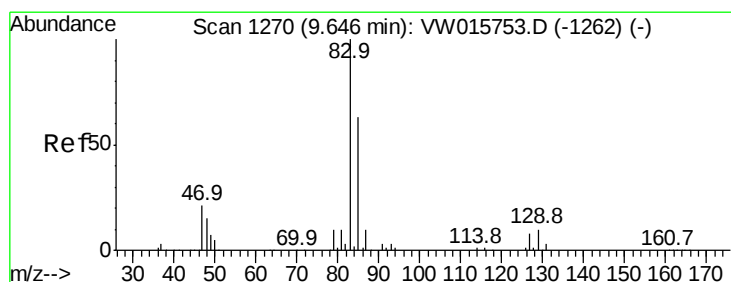
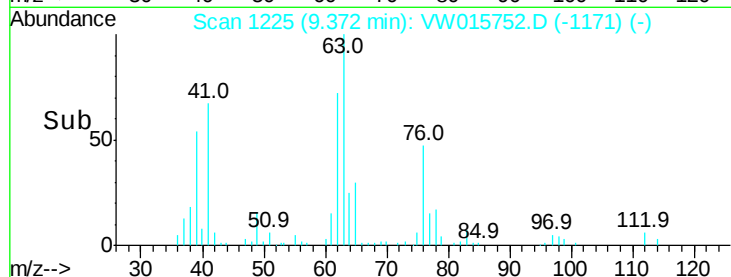
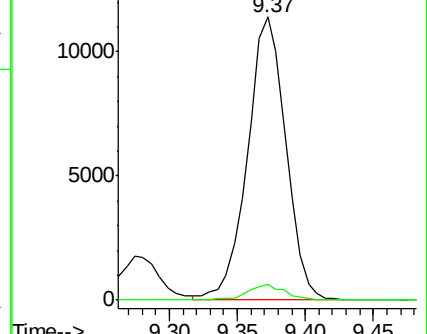
63 100

112 5.4 4.0 6.0



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 4.807 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

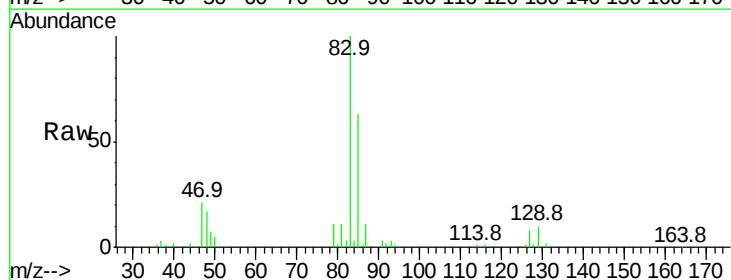
Tgt Ion: 83 Resp: 27985

Ion Ratio Lower Upper

83 100

85 63.5 44.1 81.9

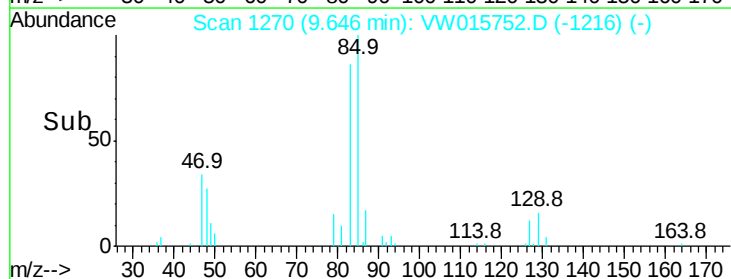
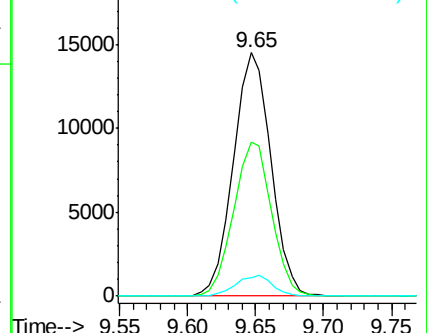
127 8.4 6.6 10.0

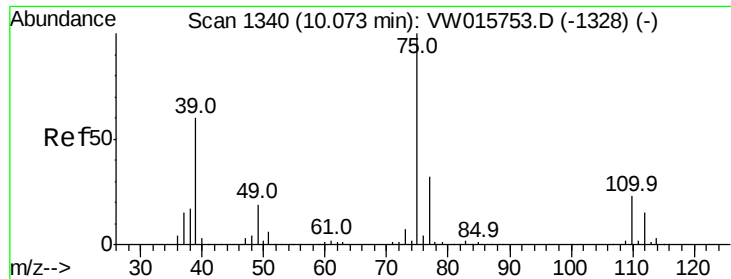


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

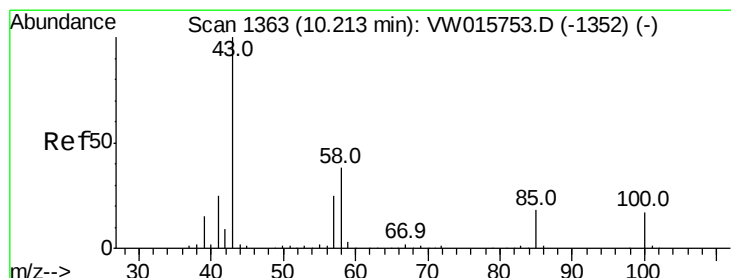
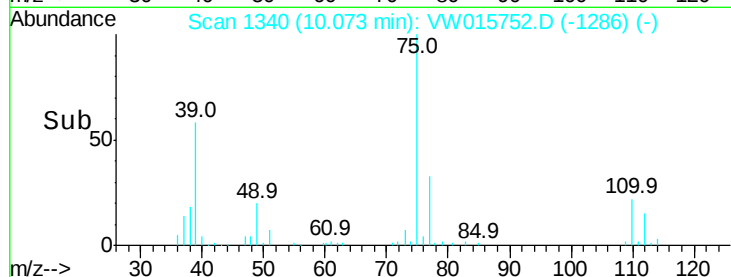
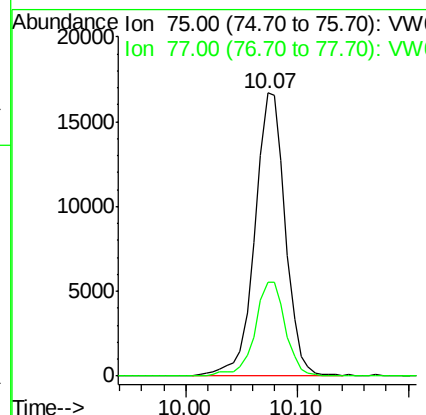
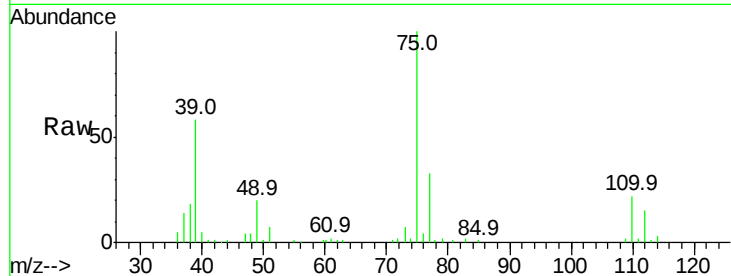




#42
 cis-1,3-Dichloropropene
 Concen: 4.576 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015752.D
 Acq: 29 Jun 2020 10:07

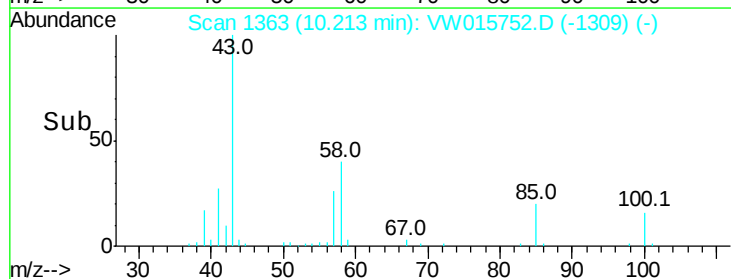
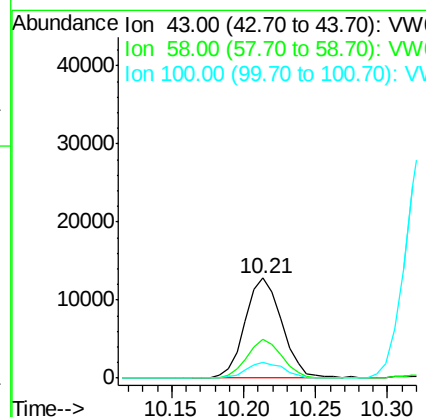
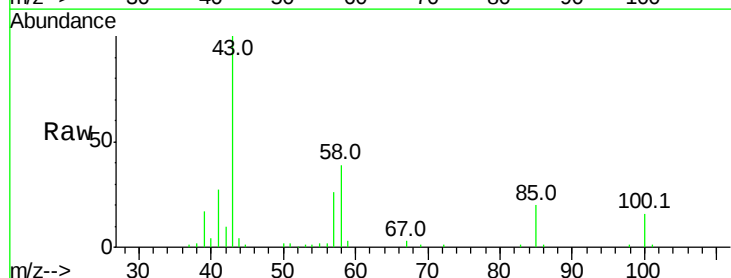
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00505

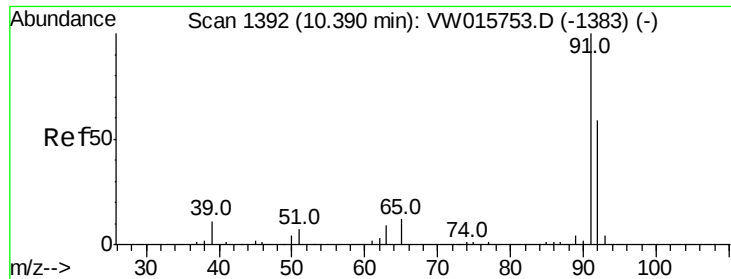
Tgt Ion: 75 Resp: 31908
 Ion Ratio Lower Upper
 75 100
 77 33.1 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 8.855 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW015752.D
 Acq: 29 Jun 2020 10:07

Tgt Ion: 43 Resp: 22621
 Ion Ratio Lower Upper
 43 100
 58 37.3 30.3 45.5
 100 16.1 12.8 19.2





#44

Toluene

Concen: 5.045 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

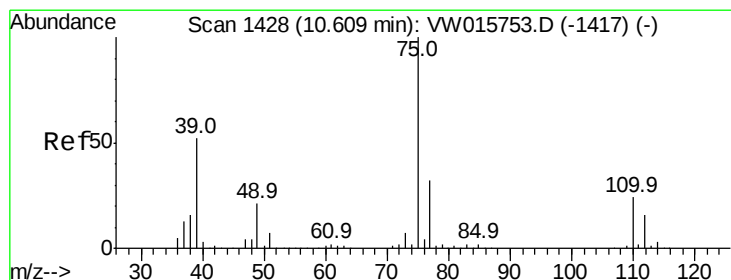
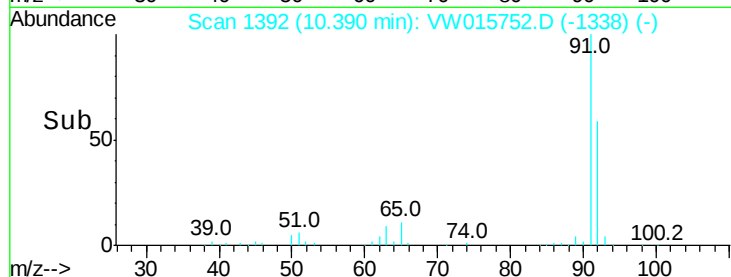
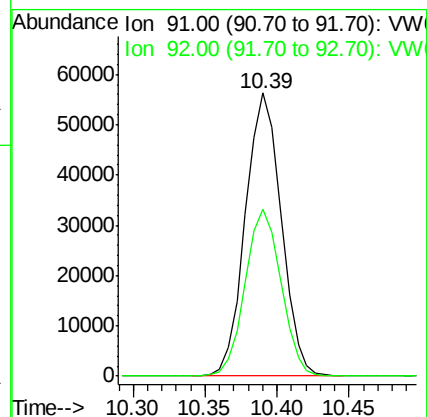
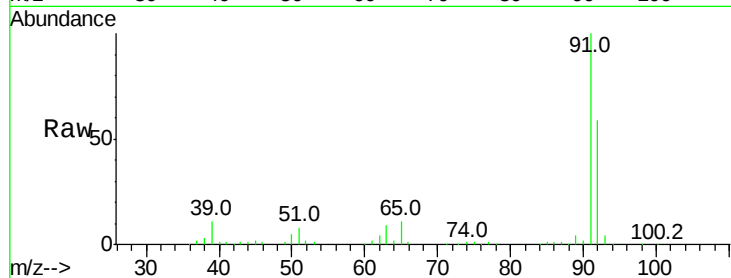
VSTD00505

Tgt Ion: 91 Resp: 97274

Ion Ratio Lower Upper

91 100

92 58.8 41.3 76.7



#45

trans-1,3-Dichloropropene

Concen: 4.500 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015752.D

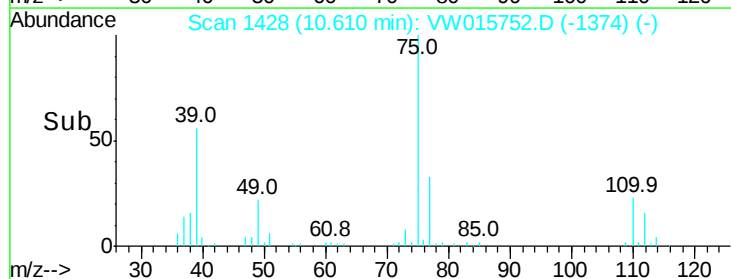
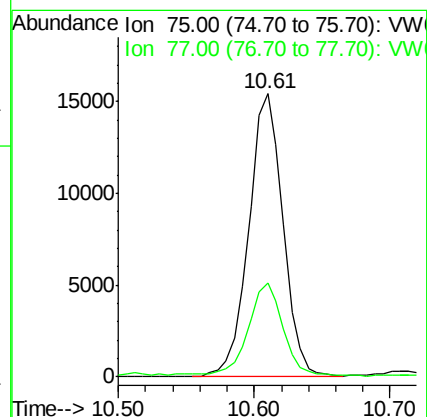
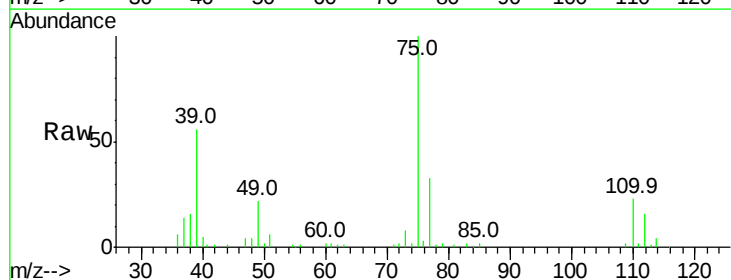
Acq: 29 Jun 2020 10:07

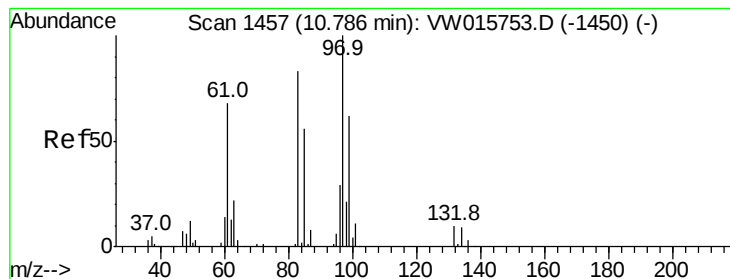
Tgt Ion: 75 Resp: 27311

Ion Ratio Lower Upper

75 100

77 33.4 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 5.016 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

Tgt Ion: 97 Resp: 15293

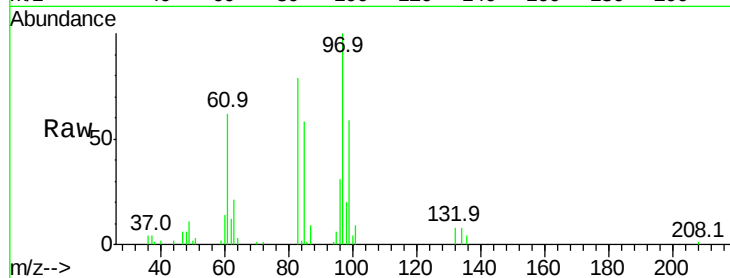
Ion Ratio Lower Upper

97 100

83 79.4 58.4 108.4

85 58.2 39.2 72.8

99 59.1 43.5 80.7

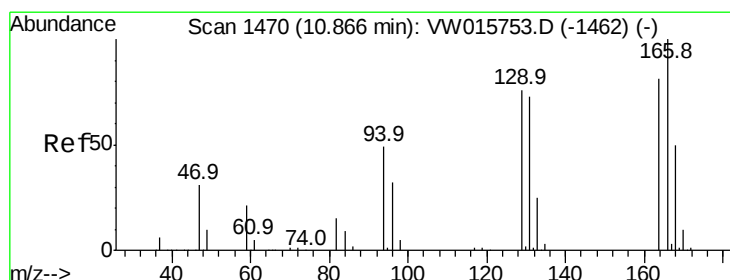
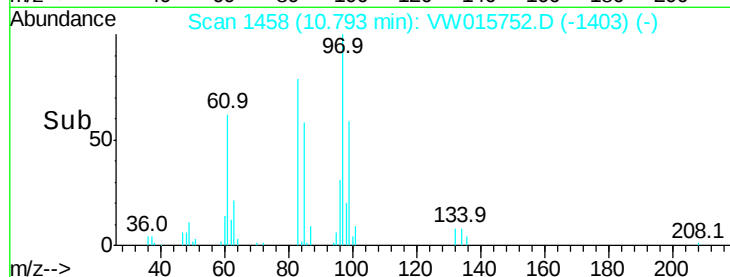
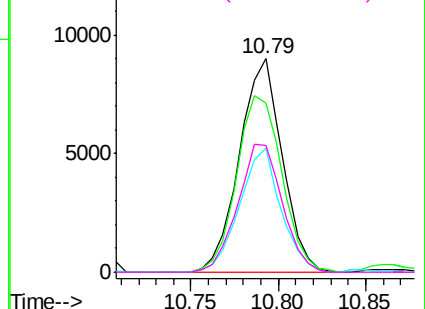


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 5.185 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

Tgt Ion: 164 Resp: 19538

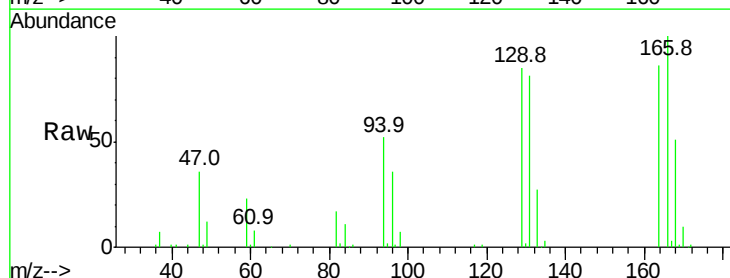
Ion Ratio Lower Upper

164 100

129 98.2 66.1 122.8

131 93.7 63.6 118.0

166 116.1 86.9 161.3

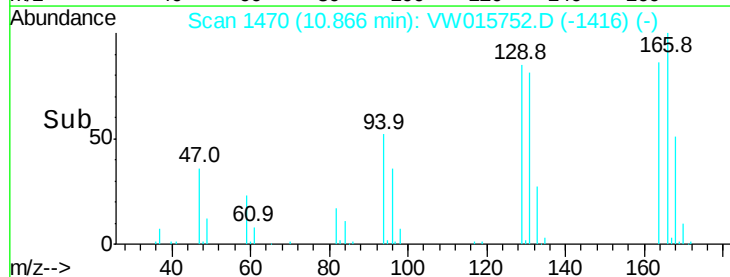
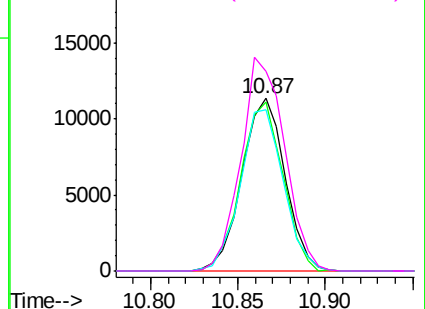


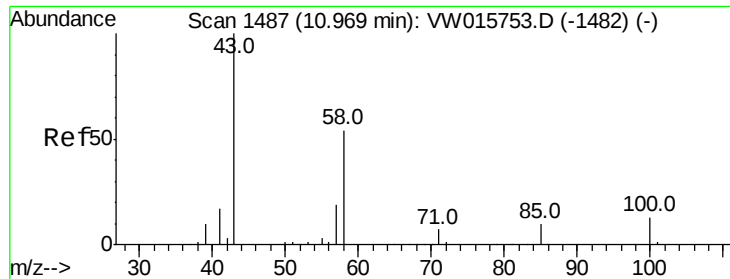
Abundance Ion 164.00 (163.70 to 164.70): V

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: 9.232 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

Tgt Ion: 43 Resp: 15918

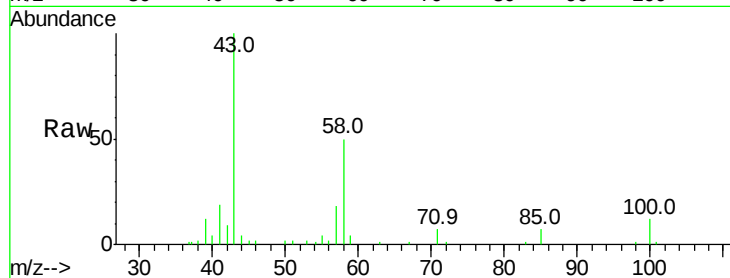
Ion Ratio Lower Upper

43 100

58 50.8 43.5 65.3

57 17.9 15.4 23.0

100 12.4 10.0 15.0

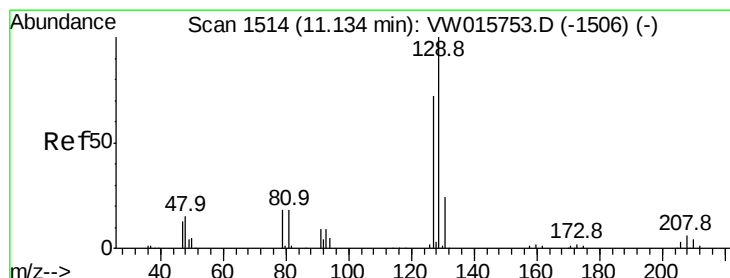
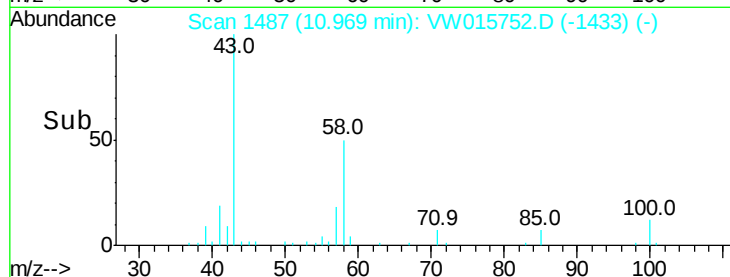
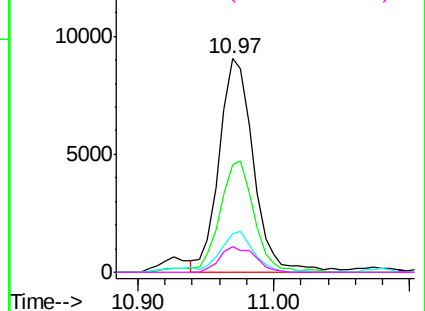


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 4.639 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW015752.D

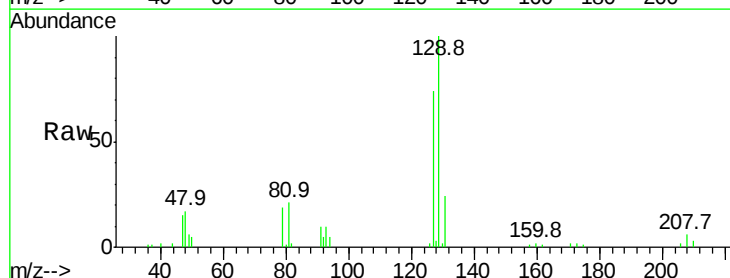
Acq: 29 Jun 2020 10:07

Tgt Ion: 129 Resp: 17182

Ion Ratio Lower Upper

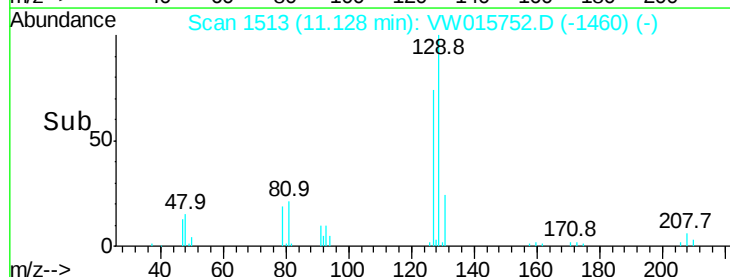
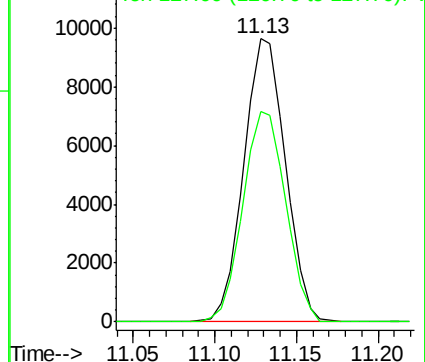
129 100

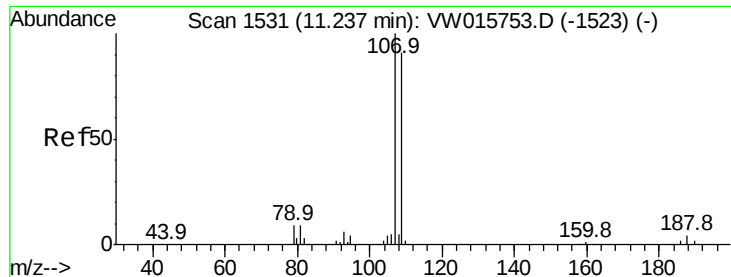
127 74.3 50.7 94.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

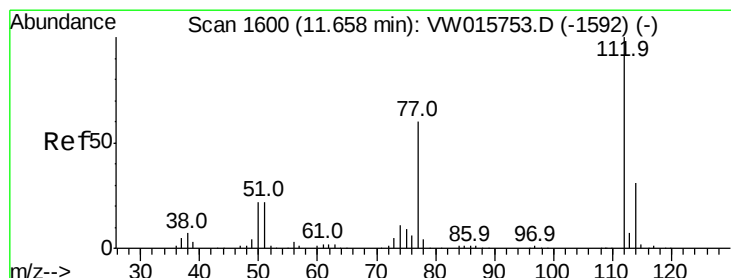
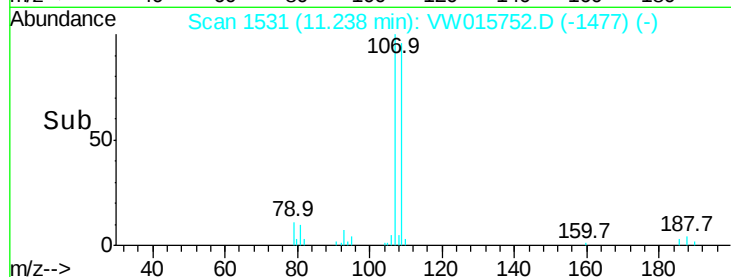
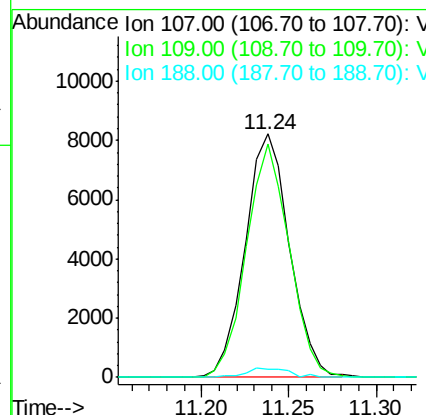
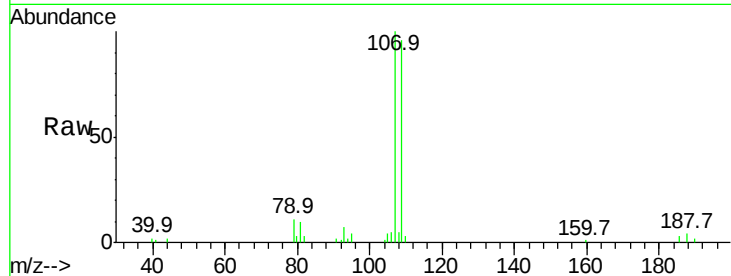




#51
1,2-Dibromoethane
Concen: 4.952 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW015752.D
Acq: 29 Jun 2020 10:07

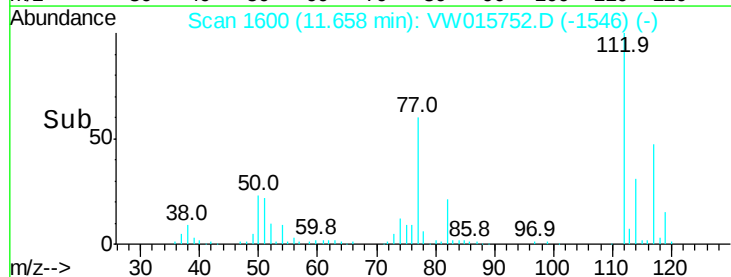
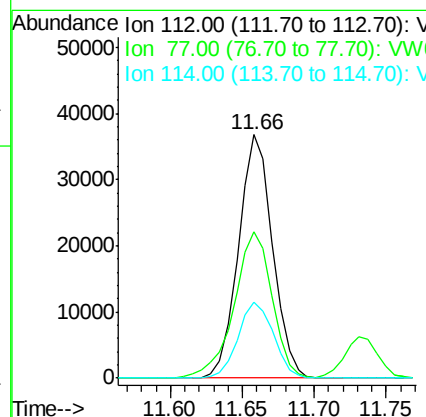
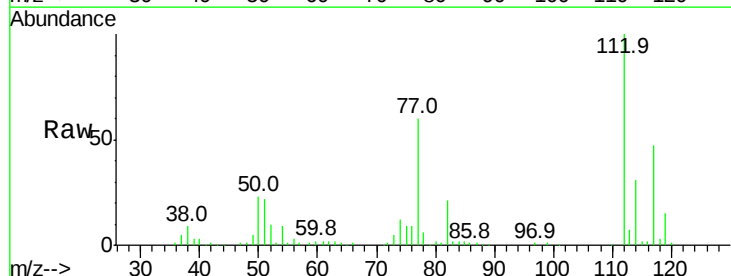
Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

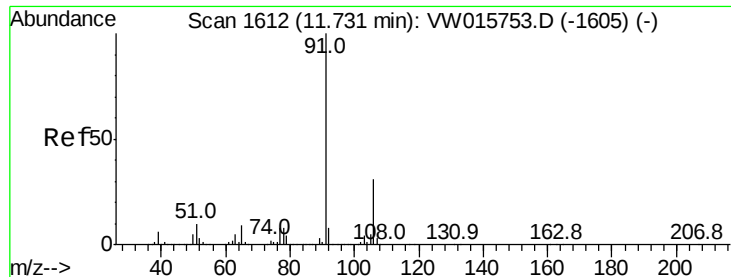
Tgt Ion:107 Resp: 14495
Ion Ratio Lower Upper
107 100
109 96.0 64.0 118.8
188 3.6 3.1 4.7



#52
Chlorobenzene
Concen: 5.004 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015752.D
Acq: 29 Jun 2020 10:07

Tgt Ion:112 Resp: 60514
Ion Ratio Lower Upper
112 100
77 60.0 48.4 72.6
114 31.1 21.8 40.4





#53

Ethylbenzene

Concen: 4.868 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

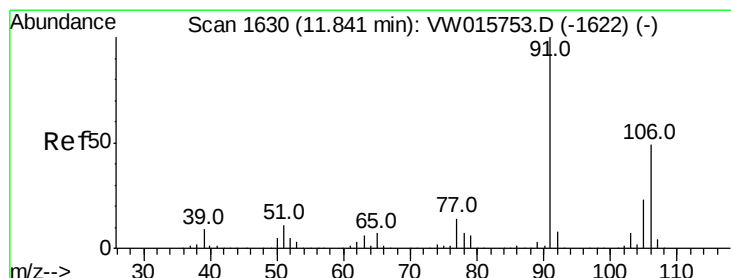
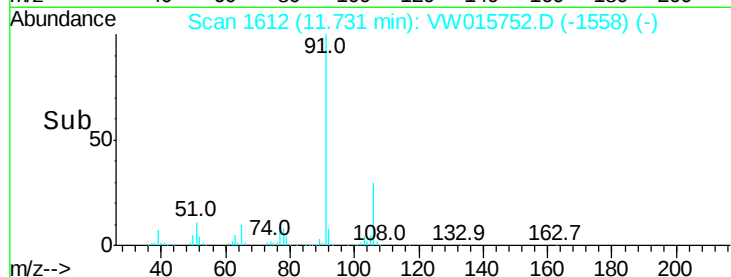
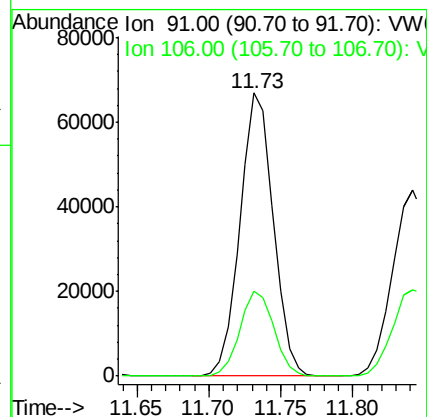
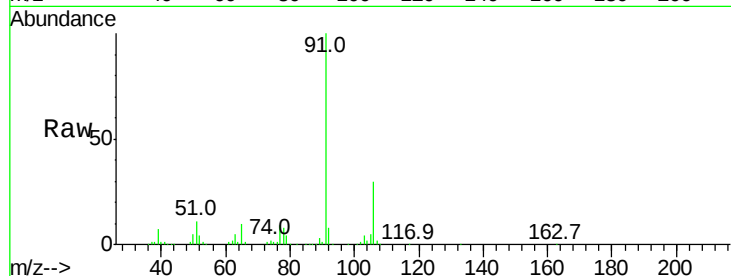
VSTD00505

Tgt Ion: 91 Resp: 107772

Ion Ratio Lower Upper

91 100

106 29.9 21.4 39.8



#54

m,p-Xylene

Concen: 4.808 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015752.D

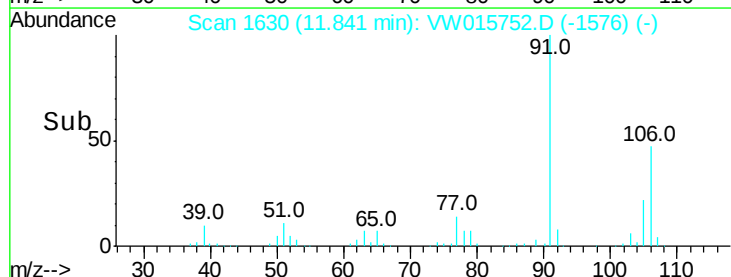
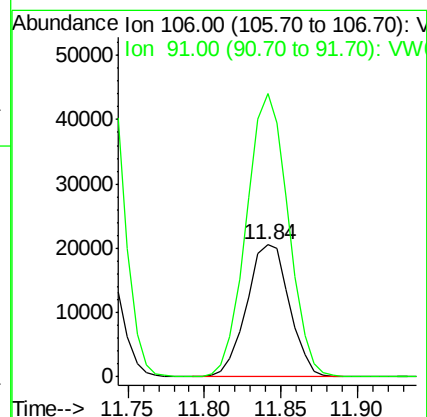
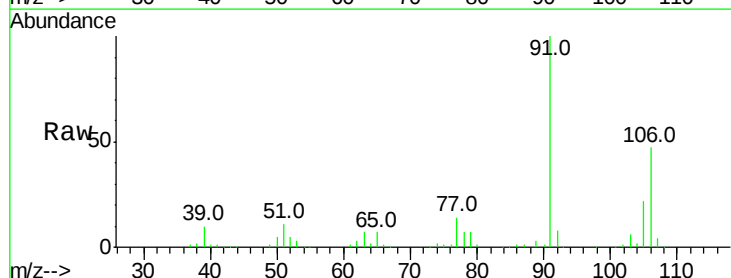
Acq: 29 Jun 2020 10:07

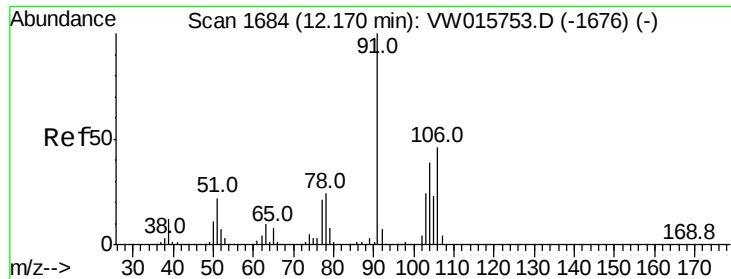
Tgt Ion: 106 Resp: 39939

Ion Ratio Lower Upper

106 100

91 214.5 141.5 262.9

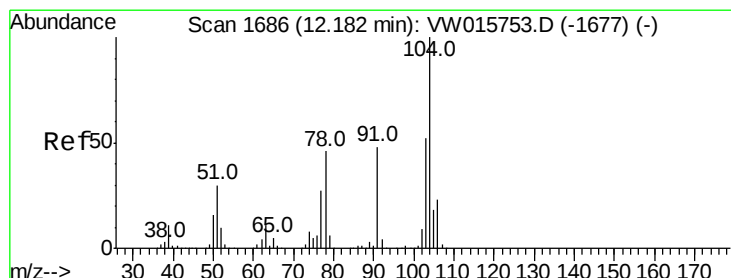
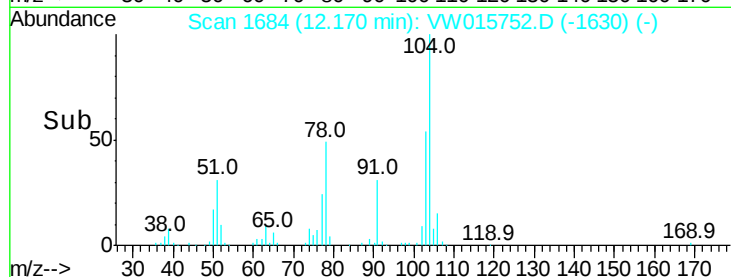
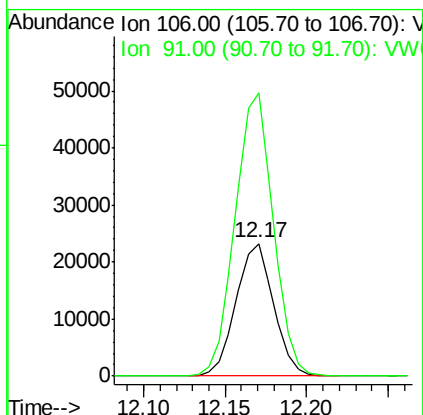
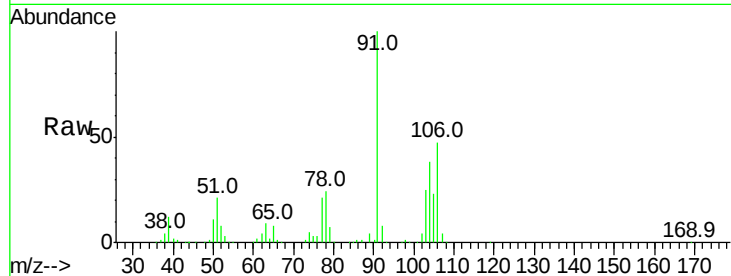




#55
o-xylene
Concen: 4.732 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015752.D
Acq: 29 Jun 2020 10:07

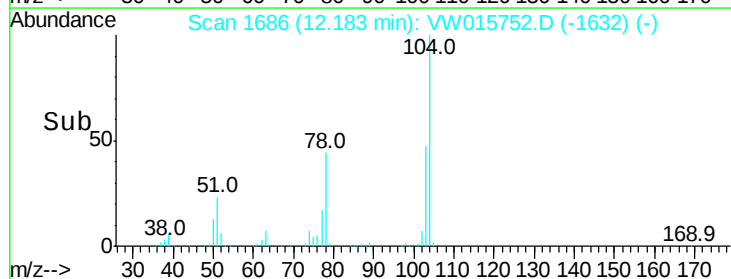
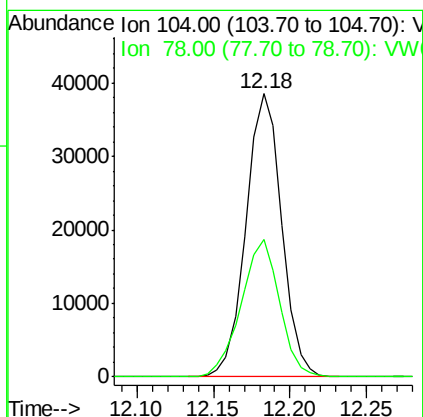
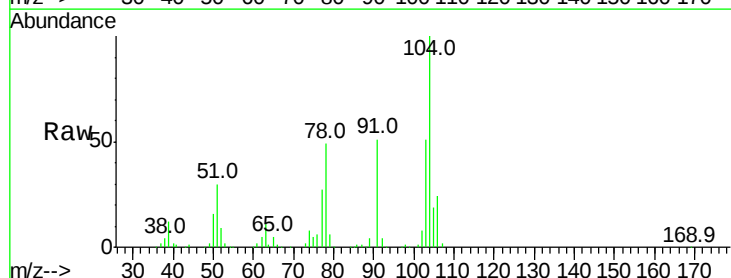
Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

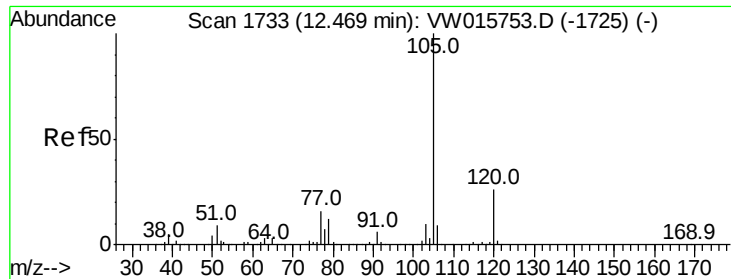
Tgt Ion:106 Resp: 37314
Ion Ratio Lower Upper
106 100
91 213.4 151.3 280.9



#56
Styrene
Concen: 4.639 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015752.D
Acq: 29 Jun 2020 10:07

Tgt Ion:104 Resp: 62502
Ion Ratio Lower Upper
104 100
78 48.6 32.4 60.2





#57

Isopropylbenzene

Concen: 4.783 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

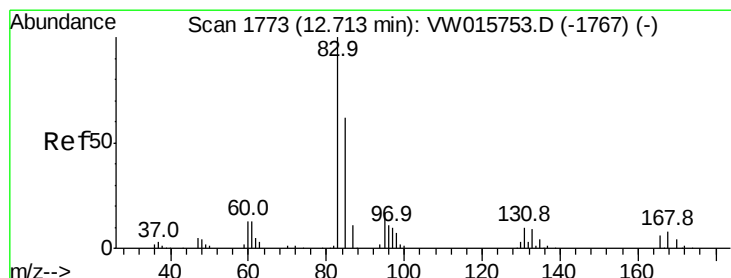
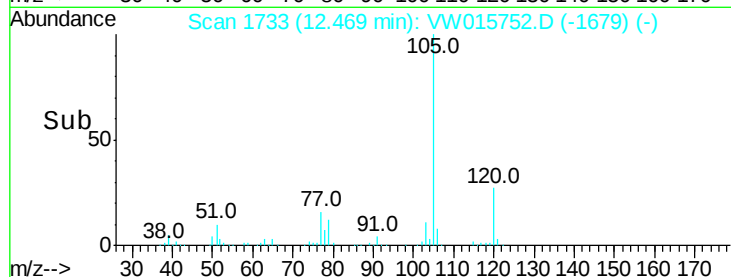
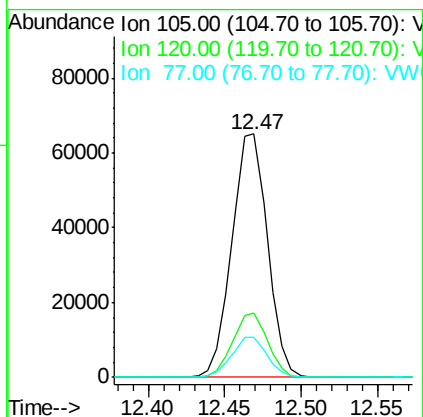
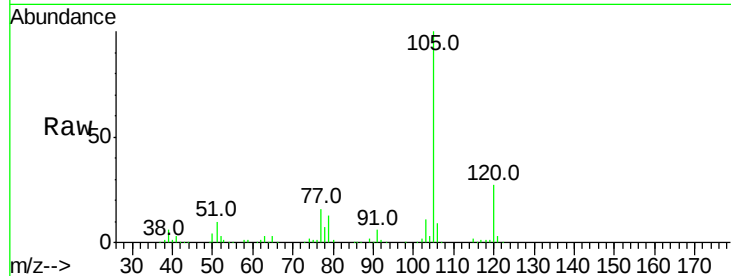
Tgt Ion: 105 Resp: 105063

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.6

77 16.5 12.9 19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 4.984 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

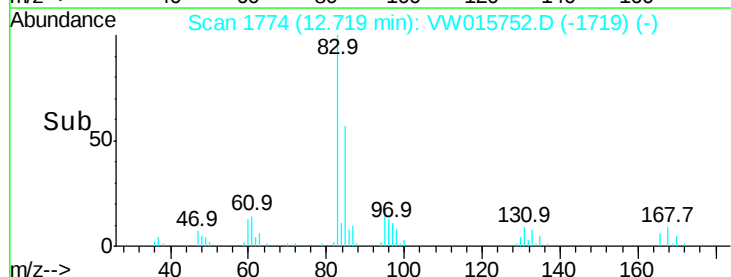
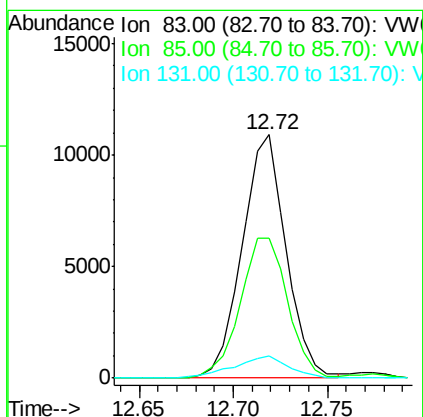
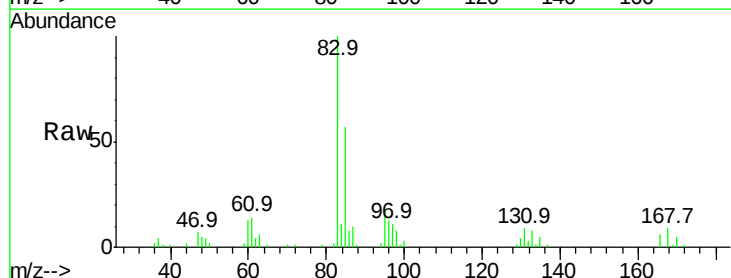
Tgt Ion: 83 Resp: 17591

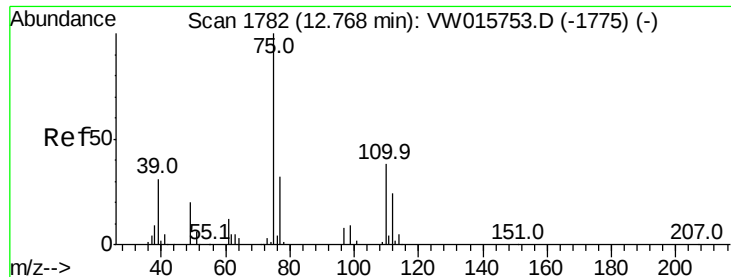
Ion Ratio Lower Upper

83 100

85 57.4 43.5 80.9

131 9.3 8.2 12.4





#59

1,2,3-Trichloropropane

Concen: 4.958 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

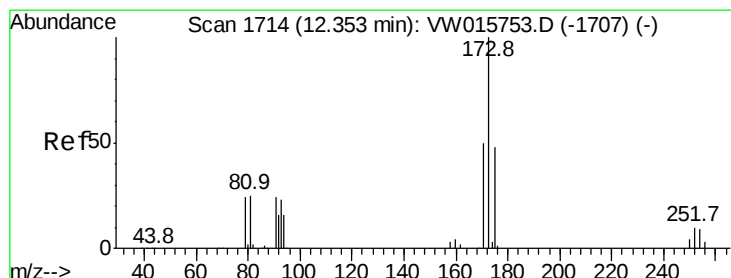
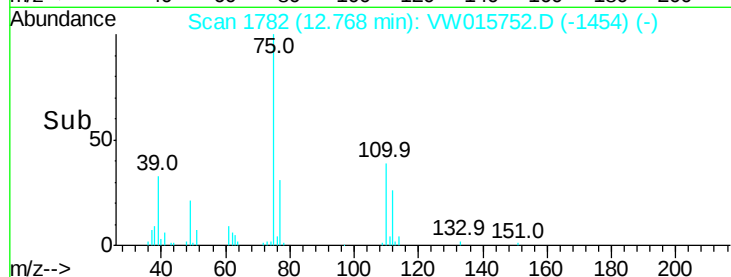
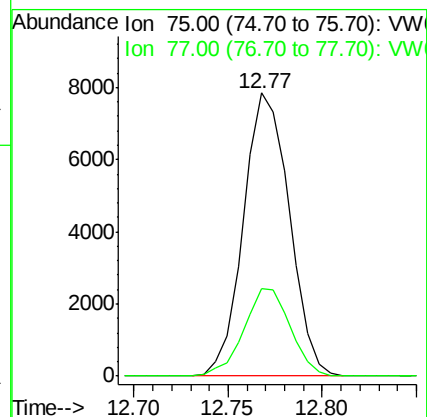
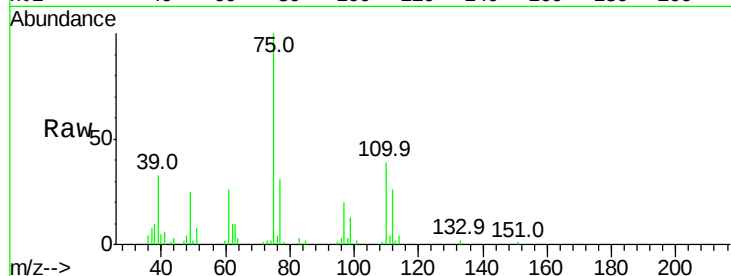
VSTD00505

Tgt Ion: 75 Resp: 13270

Ion Ratio Lower Upper

75 100

77 31.5 26.1 39.1



#62

Bromoform

Concen: 4.273 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

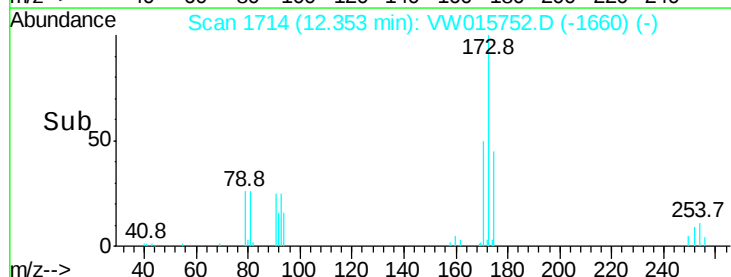
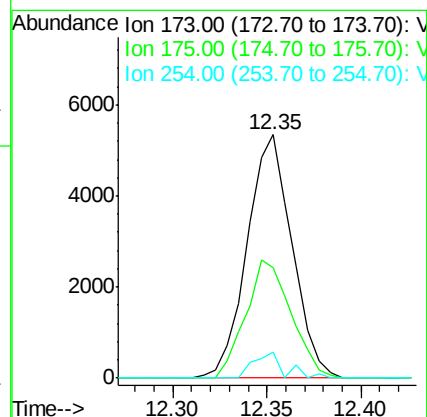
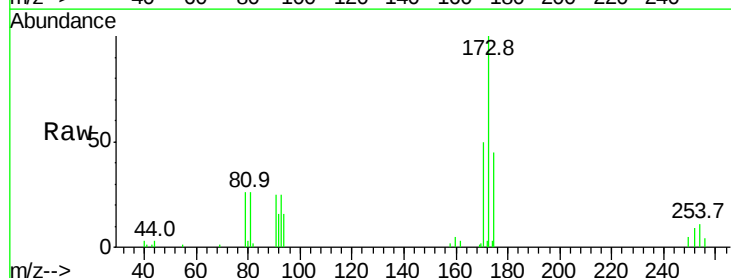
Tgt Ion: 173 Resp: 8823

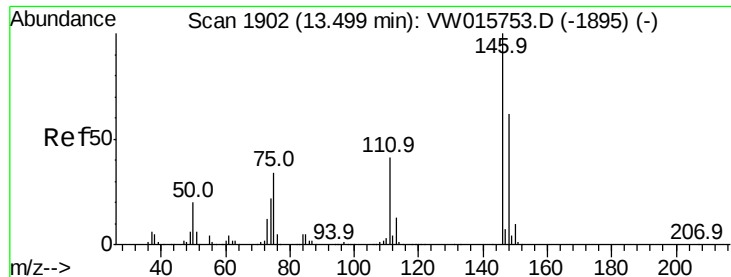
Ion Ratio Lower Upper

173 100

175 49.1 39.4 59.2

254 5.6 8.2 12.2#

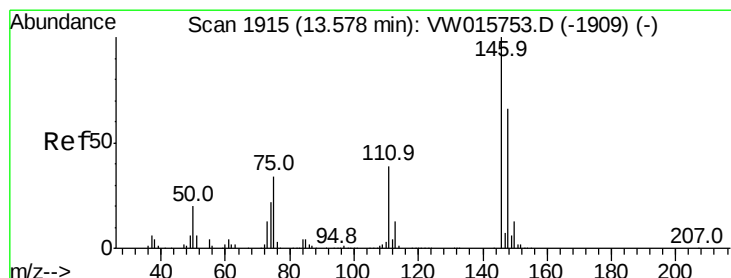
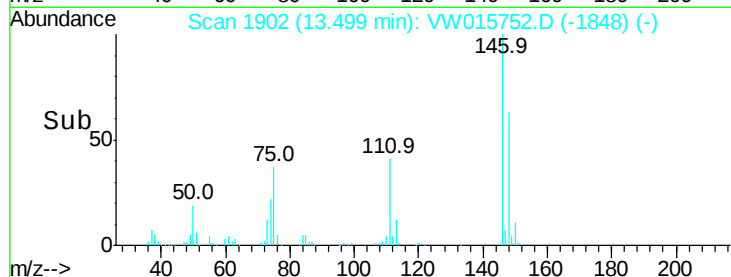
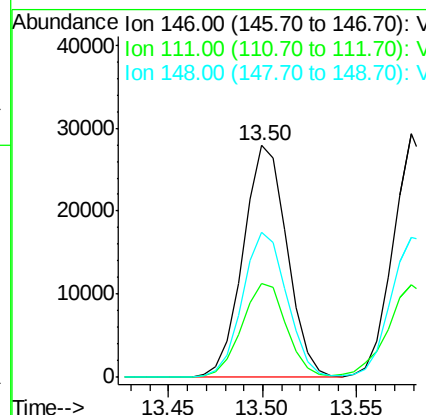
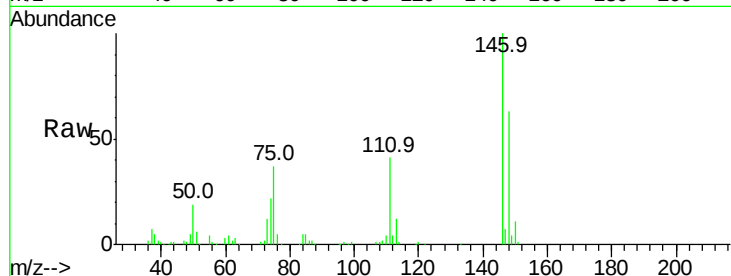




#63
 1,3-Dichlorobenzene
 Concen: 4.976 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015752.D
 Acq: 29 Jun 2020 10:07

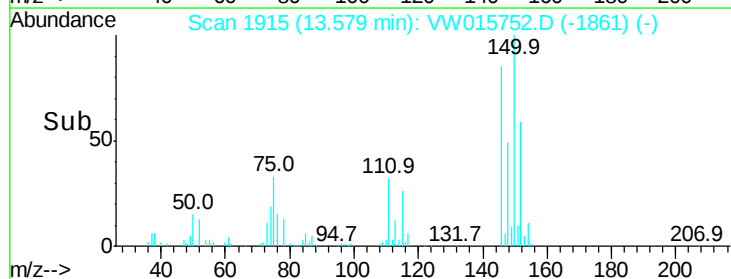
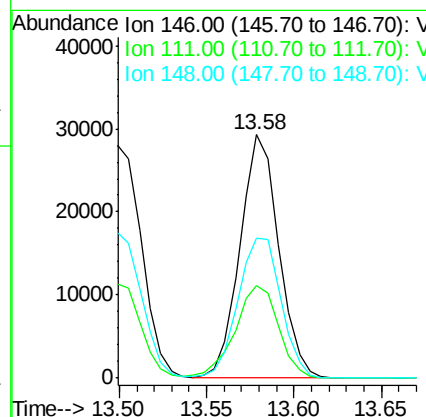
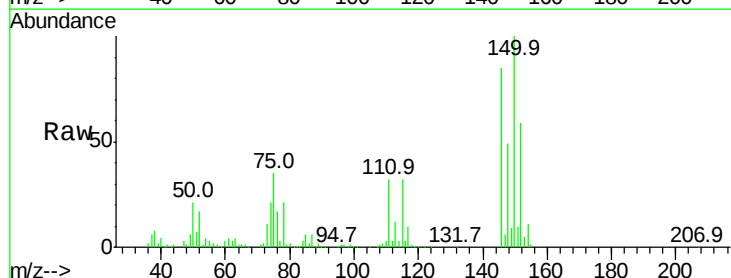
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

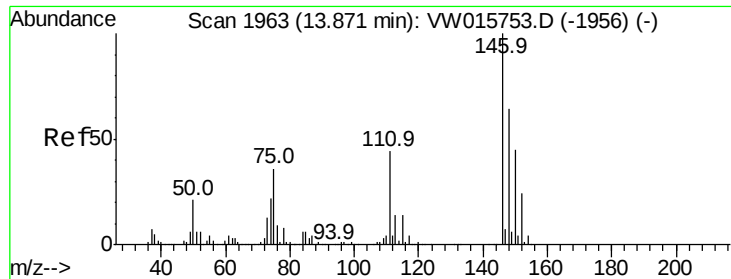
Tgt Ion:146 Resp: 45115
 Ion Ratio Lower Upper
 146 100
 111 40.6 28.8 53.6
 148 62.8 43.6 81.0



#64
 1,4-Dichlorobenzene
 Concen: 5.077 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015752.D
 Acq: 29 Jun 2020 10:07

Tgt Ion:146 Resp: 45104
 Ion Ratio Lower Upper
 146 100
 111 37.8 27.8 51.6
 148 57.3 46.0 85.4

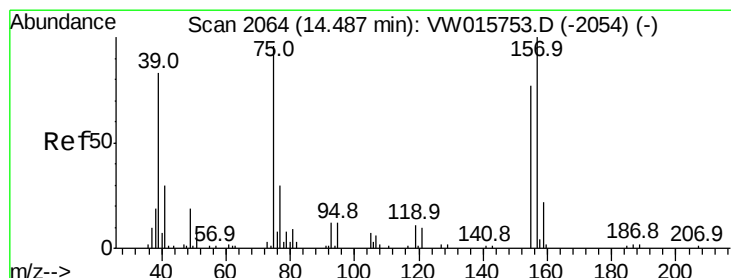
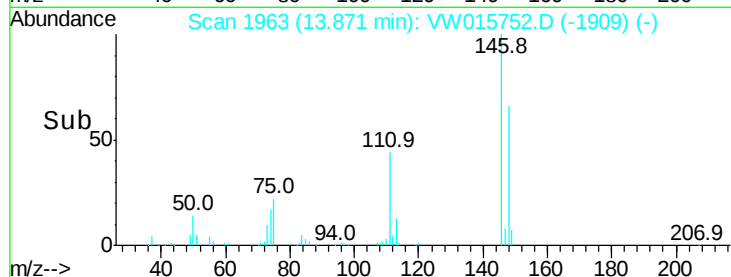
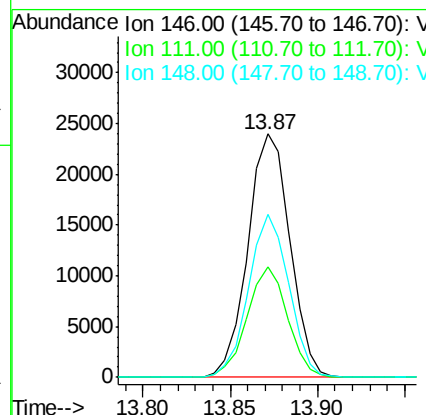
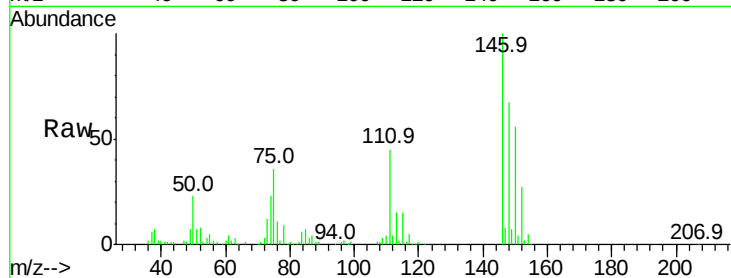




#65
 1,2-Dichlorobenzene
 Concen: 5.076 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015752.D
 Acq: 29 Jun 2020 10:07

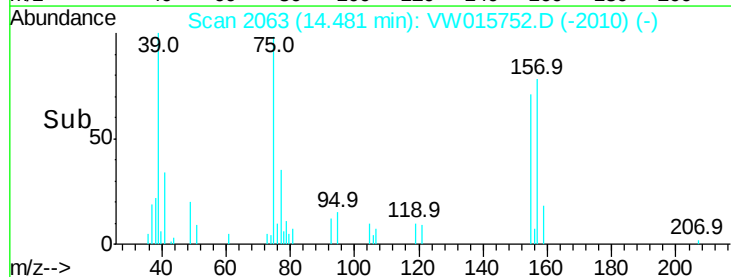
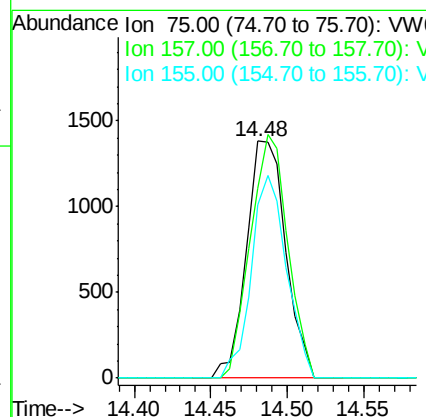
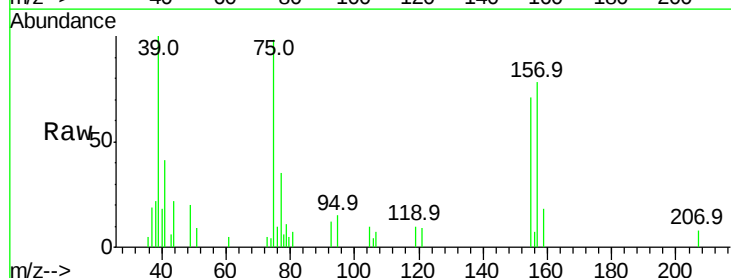
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

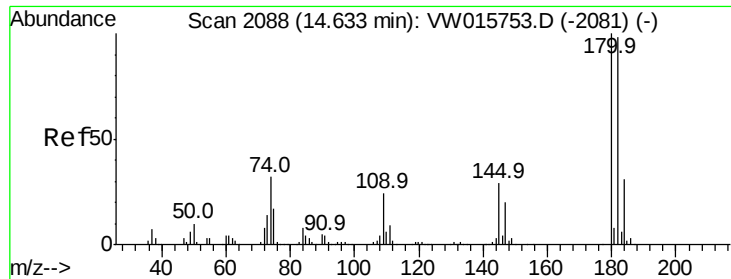
Tgt Ion:146 Resp: 39994
 Ion Ratio Lower Upper
 146 100
 111 45.2 35.5 53.3
 148 66.8 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.127 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW015752.D
 Acq: 29 Jun 2020 10:07

Tgt Ion: 75 Resp: 2467
 Ion Ratio Lower Upper
 75 100
 157 79.8 83.2 124.8#
 155 73.2 64.2 96.4

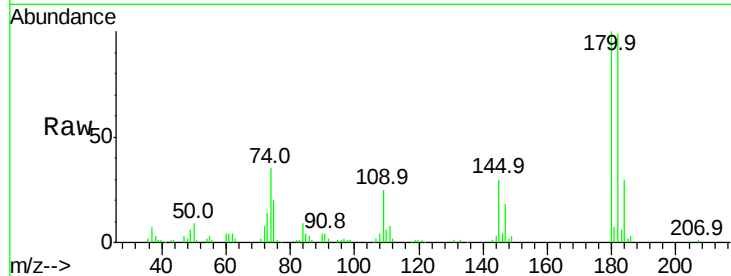




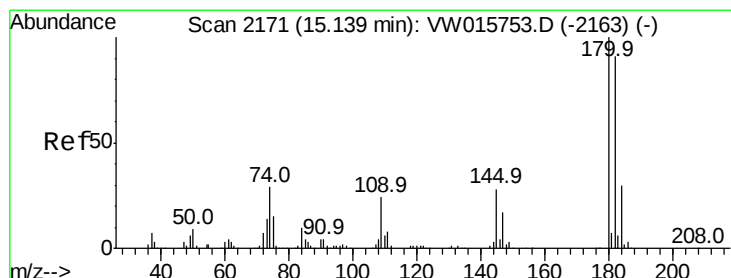
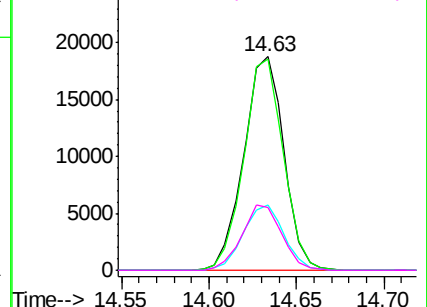
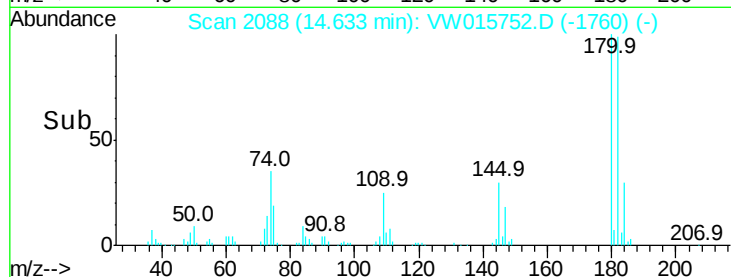
#67
 1,3,5-Trichlorobenzene
 Concen: 4.789 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW015752.D
 Acq: 29 Jun 2020 10:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

Tgt Ion:180 Resp: 30062
 Ion Ratio Lower Upper
 180 100
 182 97.1 76.1 114.1
 184 30.8 24.2 36.2
 145 30.3 23.8 35.6

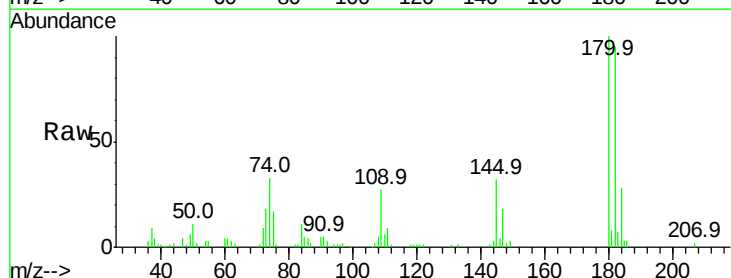


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

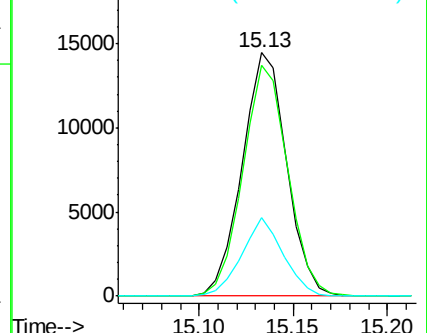
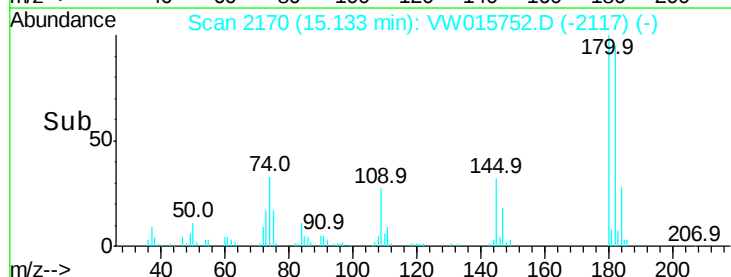


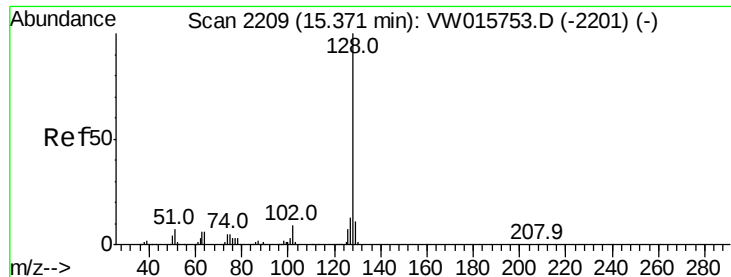
#68
 1,2,4-trichlorobenzene
 Concen: 4.694 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW015752.D
 Acq: 29 Jun 2020 10:07

Tgt Ion:180 Resp: 23734
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.5 113.3
 145 30.0 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 4.159 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

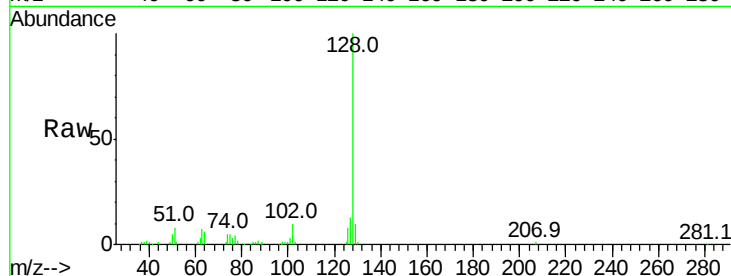
Tgt Ion:128 Resp: 38181

Ion Ratio Lower Upper

128 100

129 11.4 8.9 13.3

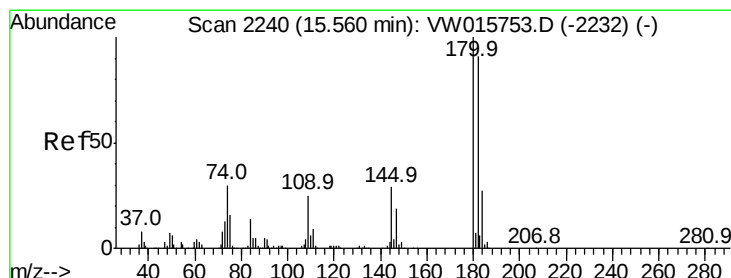
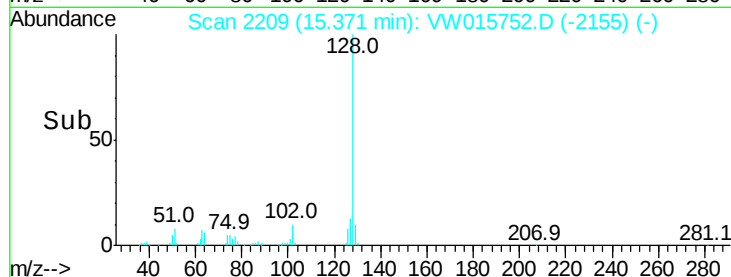
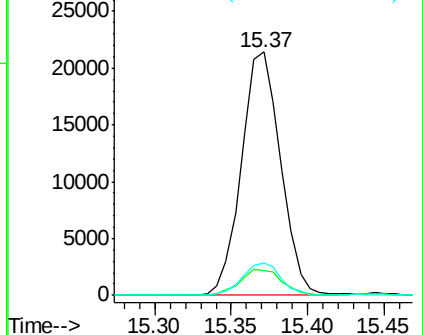
127 13.2 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.525 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW015752.D

Acq: 29 Jun 2020 10:07

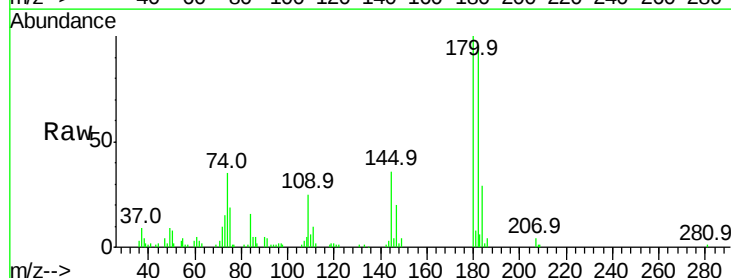
Tgt Ion:180 Resp: 19465

Ion Ratio Lower Upper

180 100

182 98.6 75.5 113.3

145 34.7 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

