

Data File : VW017463.D
Acq On : 24 Nov 2020 09:37
Operator : SY/VA
Sample : VSTD2.506
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

Quant Time: Nov 24 11:22:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 24 11:21:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	414944	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	378874	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	188332	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	13612	2.19	ug/L	0.00
7) Chloroethane-d5	2.90	69	13480	2.83	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	32675	3.14	ug/L	0.00
20) 2-Butanone-d5	7.10	46	6315	5.88	ug/L	0.01
24) Chloroform-d	7.66	84	33105	3.13	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	16463	3.08	ug/L	0.00
29) Benzene-d6	8.28	84	65324	3.05	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	18306	2.92	ug/L	0.00
37) Toluene-d8	10.32	98	57323	2.59	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	7878	2.72	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	3936	3.88	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	13546	2.66	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	20334	2.84	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.02	85	9861	2.505 ug/L	99
3) Chloromethane	2.22	50	9436	2.235 ug/L	98
5) Vinyl chloride	2.37	62	10532	1.809 ug/L	95
6) Bromomethane	2.79	94	9291	2.148 ug/L	95
8) Chloroethane	2.93	64	8349	2.286 ug/L	100
9) Trichlorofluoromethane	3.27	101	13128	2.484 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	14226	2.625 ug/L #	51
12) 1,1-Dichloroethene	4.05	96	14141	2.739 ug/L	95
13) Acetone	4.14	43	7296	9.455 ug/L	86
14) Carbon disulfide	4.39	76	41846	2.836 ug/L	99
15) Methyl Acetate	4.68	43	4832	2.861 ug/L	95
16) Methylene chloride	4.92	84	9313	1.182 ug/L	98
17) Methyl tert-butyl Ether	5.42	73	7686	1.247 ug/L #	91
18) trans-1,2-Dichloroethene	5.43	96	14285	2.594 ug/L	92
19) 1,1-Dichloroethane	6.22	63	24922	2.918 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	15040	2.624 ug/L	91
23) Bromochloromethane	7.52	128	7011	2.589 ug/L	89
25) Chloroform	7.68	83	26339	2.746 ug/L	100
27) 1,2-Dichloroethane	8.40	62	16071	2.699 ug/L #	91
30) Cyclohexane	7.97	56	20537	2.826 ug/L	97
31) 1,1,1-Trichloroethane	7.88	97	21856	2.531 ug/L #	88
32) Carbon tetrachloride	8.07	117	20547	2.424 ug/L	100
34) Benzene	8.33	78	55397	2.625 ug/L	100
35) Trichloroethene	9.10	95	15759	2.449 ug/L	95
36) Methylcyclohexane	9.34	83	24376	2.316 ug/L	97
40) 1,2-Dichloropropane	9.37	63	13006	2.455 ug/L #	96
41) Bromodichloromethane	9.65	83	17835	2.412 ug/L #	93
42) cis-1,3-Dichloropropene	10.08	75	18500	2.187 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	12658	4.895 ug/L #	89
44) Toluene	10.39	91	58433	2.277 ug/L	98

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Response via : Initial Calibration

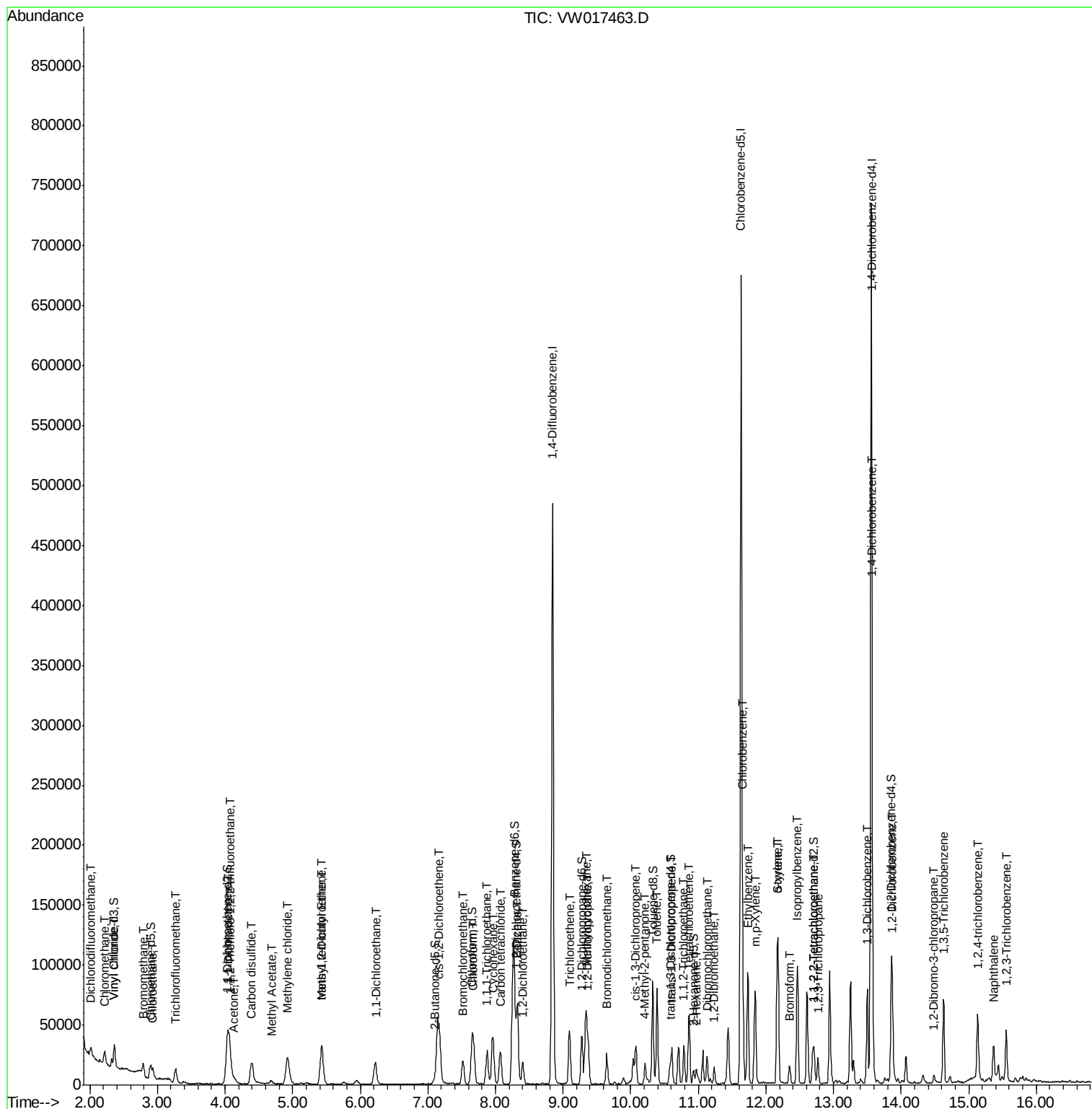
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.61	75	15654	2.137	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	9833	2.168	ug/L	94
47) Tetrachloroethene	10.87	164	13492	2.184	ug/L	87
49) 2-Hexanone	10.97	43	6676	3.713	ug/L #	93
50) Dibromochloromethane	11.13	129	11909	2.148	ug/L	89
51) 1,2-Dibromoethane	11.24	107	9336	2.245	ug/L	92
52) Chlorobenzene	11.66	112	39125	2.354	ug/L	97
53) Ethylbenzene	11.73	91	65463	2.351	ug/L	99
54) m,p-Xylene	11.84	106	24061	2.208	ug/L	89
55) o-xylene	12.17	106	22690	2.146	ug/L	96
56) Styrene	12.18	104	37651	2.091	ug/L	90
57) Isopropylbenzene	12.46	105	61610	2.092	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	10262	2.112	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	8170	2.352	ug/L	96
62) Bromoform	12.35	173	6465	2.250	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	30040	2.421	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	31311	2.508	ug/L	93
65) 1,2-Dichlorobenzene	13.88	146	26909	2.418	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	1980	3.033	ug/L #	72
67) 1,3,5-Trichlorobenzene	14.63	180	20910	2.248	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	16139	1.958	ug/L	95
69) Naphthalene	15.36	128	25564	2.012	ug/L	98
70) 1,2,3-Trichlorobenzene	15.56	180	14102	1.926	ug/L	98

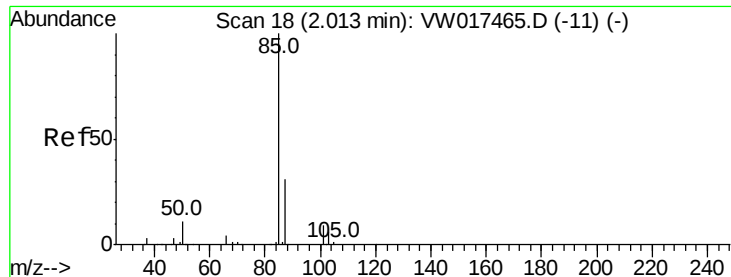
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.505 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

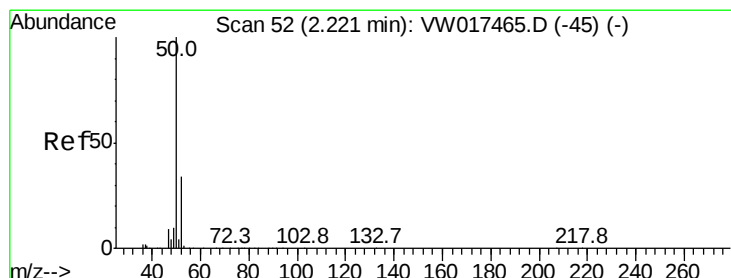
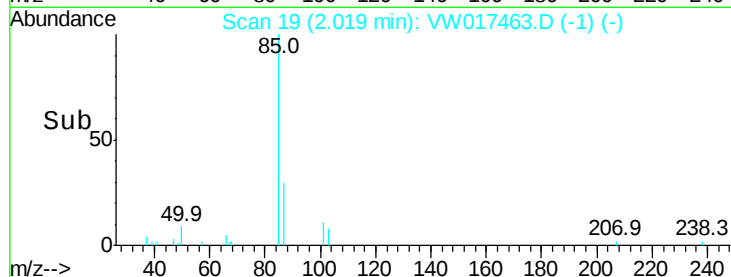
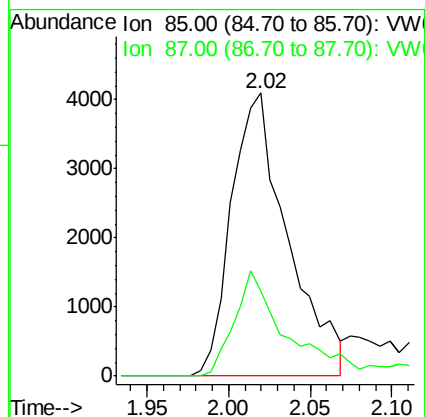
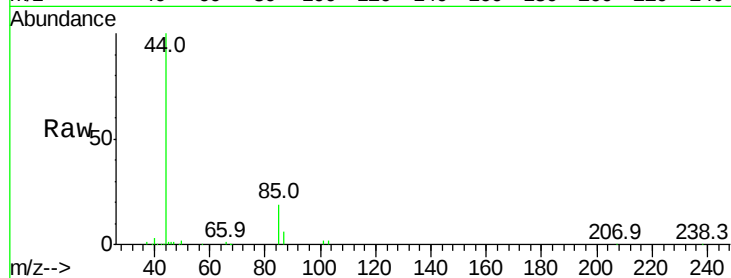
VSTD2.506

Tgt Ion: 85 Resp: 9861

Ion Ratio Lower Upper

85 100

87 33.8 23.2 43.0



#3

Chloromethane

Concen: 2.235 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW017463.D

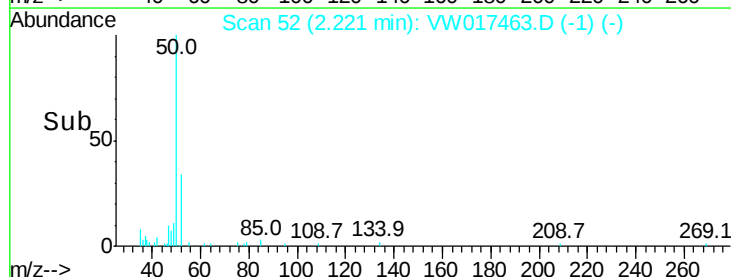
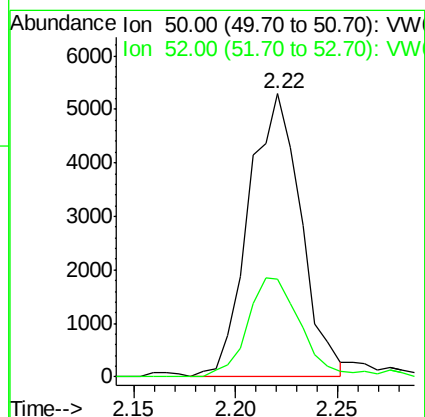
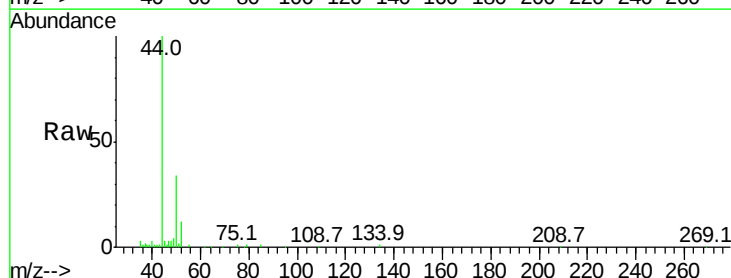
Acq: 24 Nov 2020 09:37

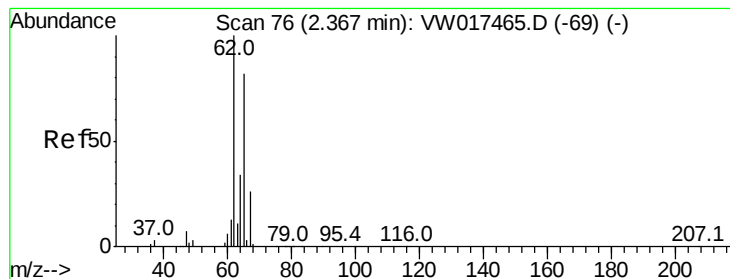
Tgt Ion: 50 Resp: 9436

Ion Ratio Lower Upper

50 100

52 34.4 23.4 43.6





#5

Vinyl chloride

Concen: 1.809 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

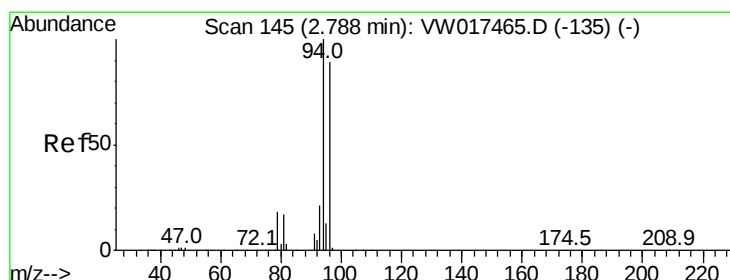
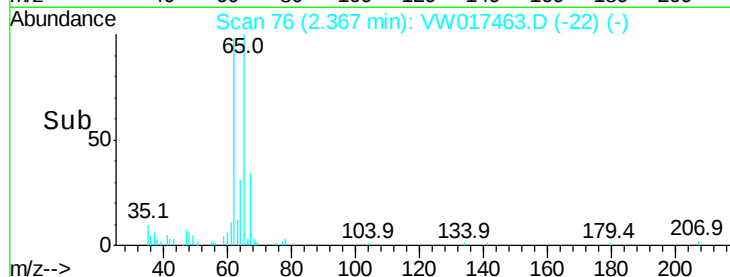
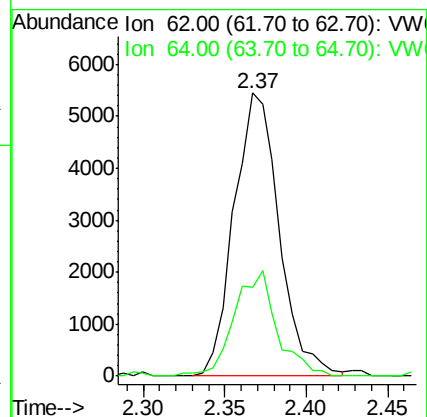
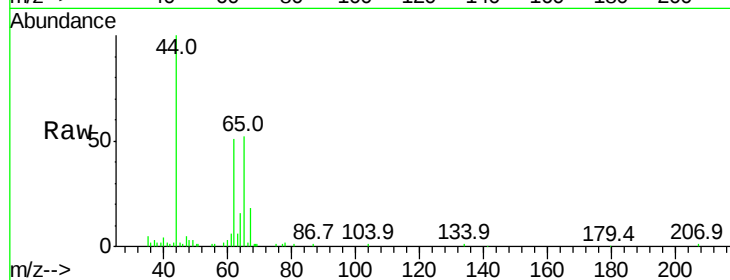
VSTD2.506

Tgt Ion: 62 Resp: 10532

Ion Ratio Lower Upper

62 100

64 31.4 23.9 44.5



#6

Bromomethane

Concen: 2.148 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW017463.D

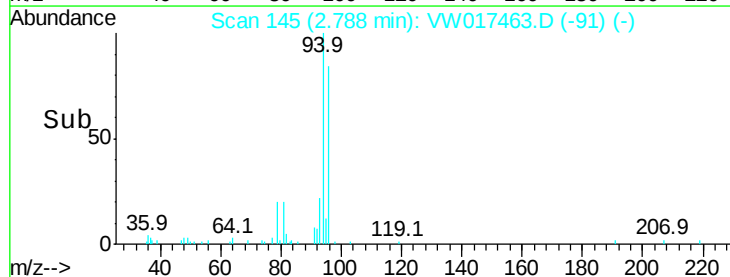
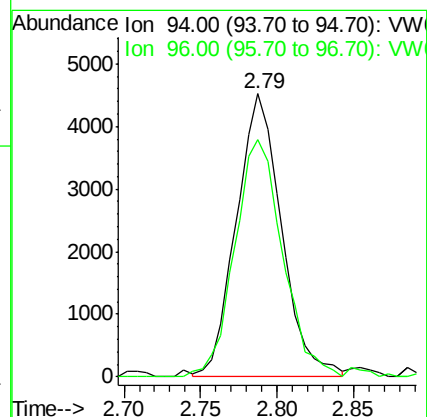
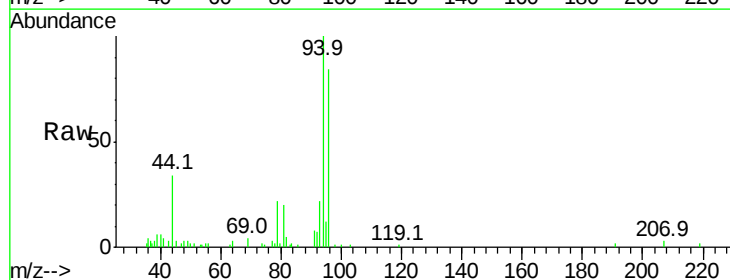
Acq: 24 Nov 2020 09:37

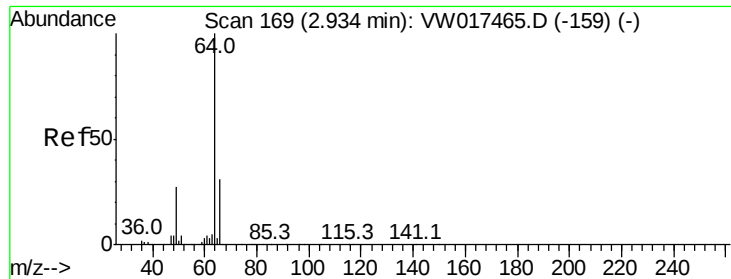
Tgt Ion: 94 Resp: 9291

Ion Ratio Lower Upper

94 100

96 88.5 9.4 178.0





#8

Chloroethane

Concen: 2.286 ug/L

RT: 2.93 min Scan# 169

Delta R.T. -0.00 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

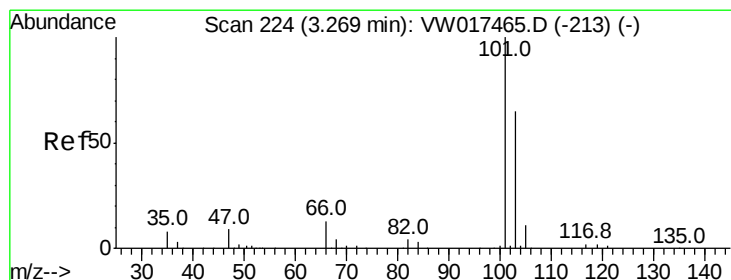
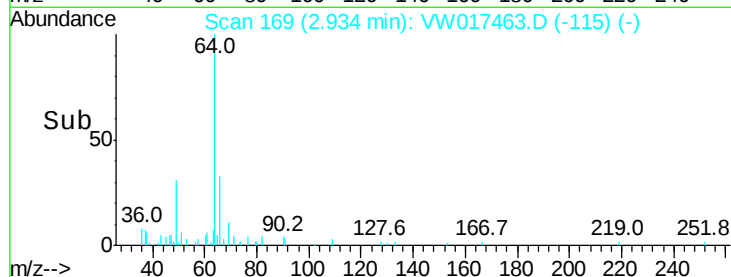
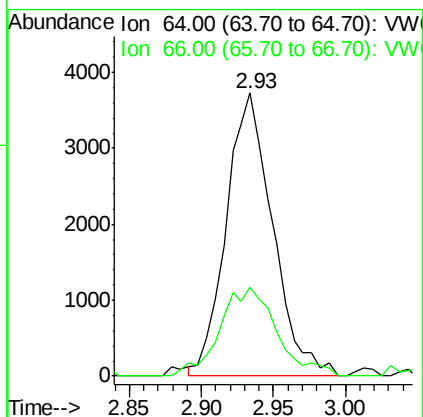
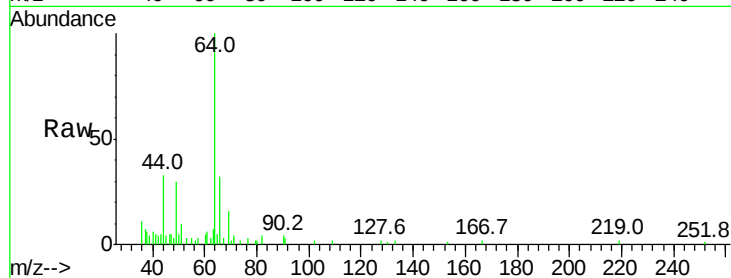
VSTD2.506

Tgt Ion: 64 Resp: 8349

Ion Ratio Lower Upper

64 100

66 31.6 22.0 41.0



#9

Trichlorofluoromethane

Concen: 2.484 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.00 min

Lab File: VW017463.D

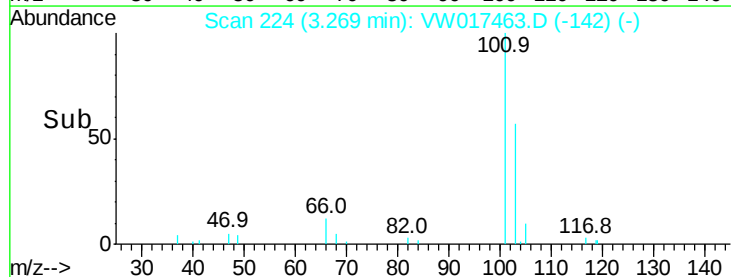
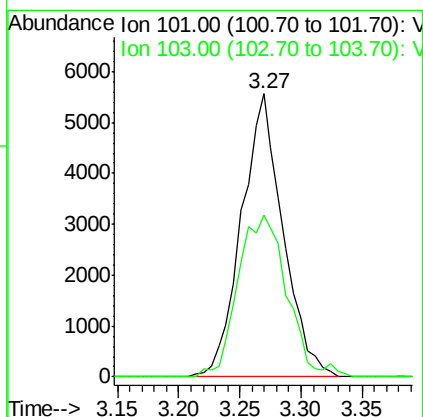
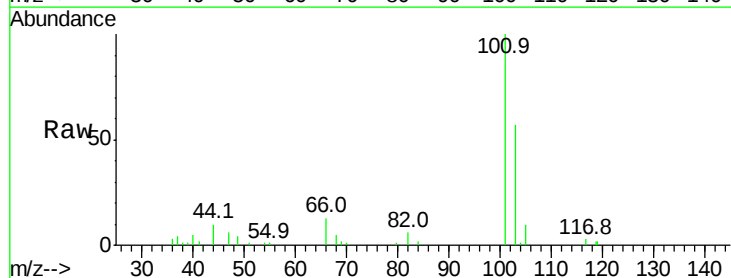
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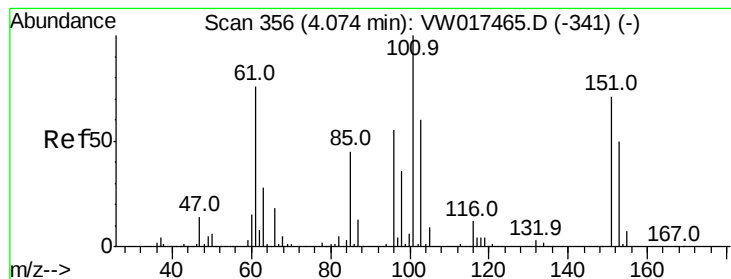
Tgt Ion: 101 Resp: 13128

Ion Ratio Lower Upper

101 100

103 65.4 45.0 83.6





#11

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

Concen: 2.625 ug/L

RT: 4.07 min Scan# 356

Delta R.T. -0.00 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

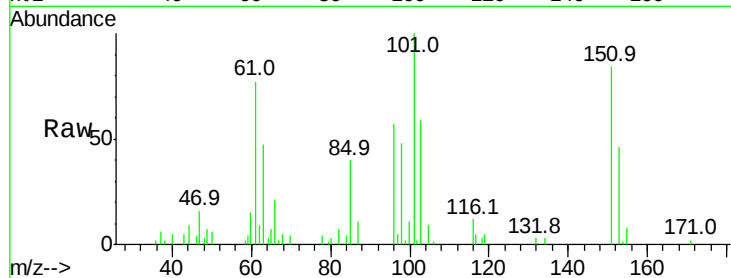
Tgt Ion: 101 Resp: 14226

Ion Ratio Lower Upper

101 100

85 26.8 34.2 51.4#

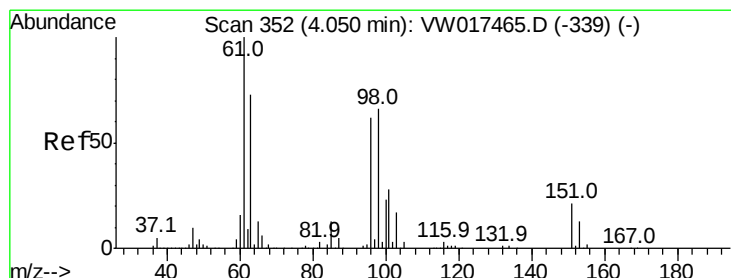
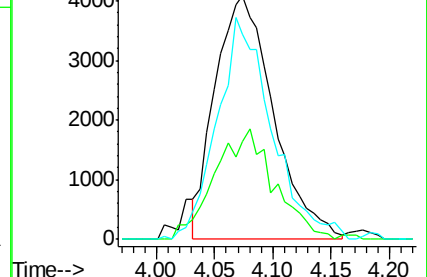
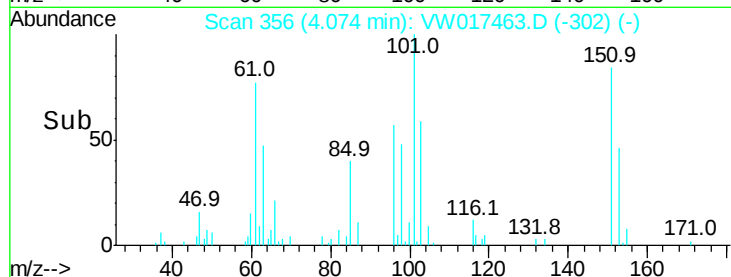
151 83.9 30.4 45.6#



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: 2.739 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

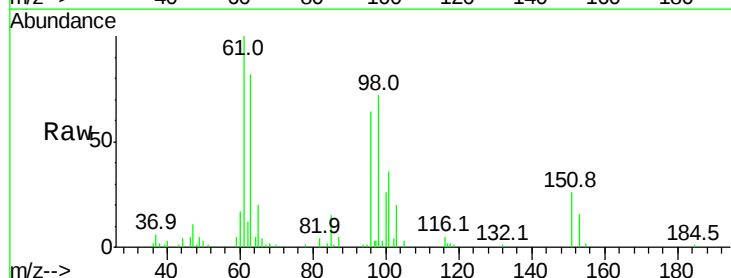
Tgt Ion: 96 Resp: 14141

Ion Ratio Lower Upper

96 100

61 155.2 112.5 208.9

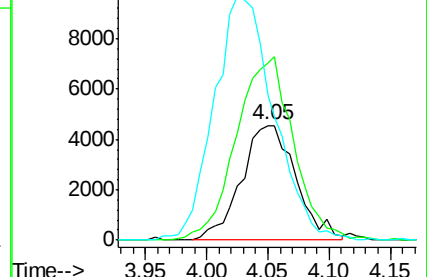
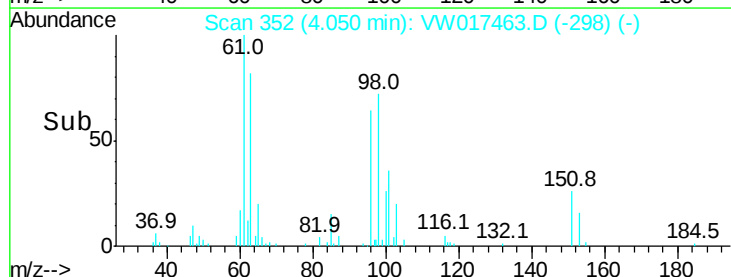
63 126.7 83.1 154.3

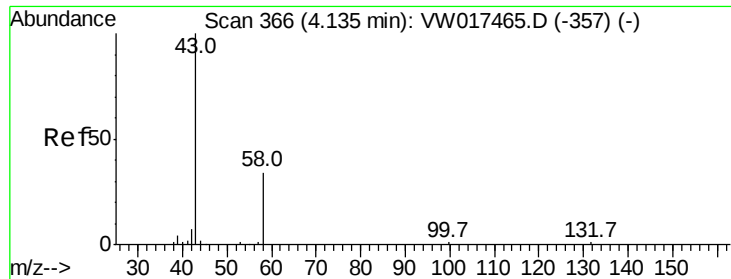


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 9.455 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

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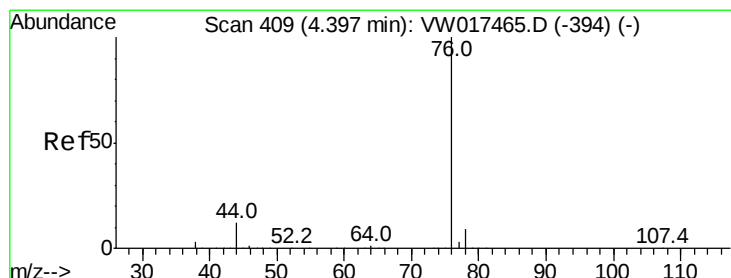
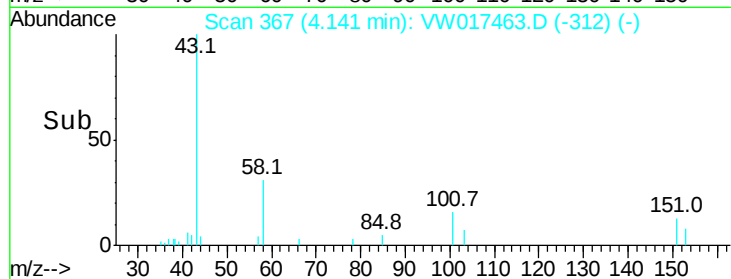
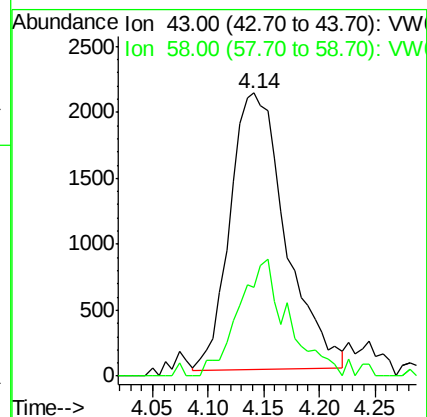
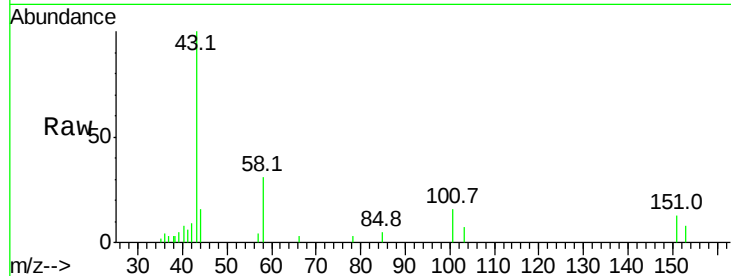
VSTD2.506

Tgt Ion: 43 Resp: 7296

Ion Ratio Lower Upper

43 100

58 26.4 0.0 68.4



#14

Carbon disulfide

Concen: 2.836 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.01 min

Lab File: VW017463.D

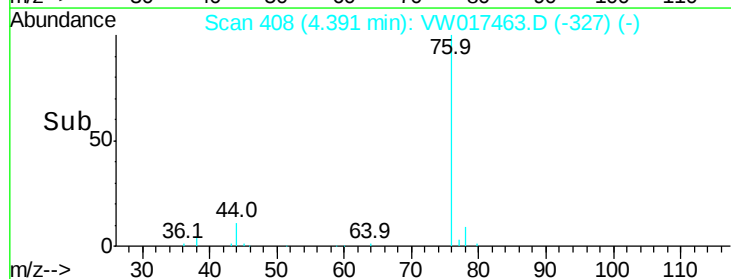
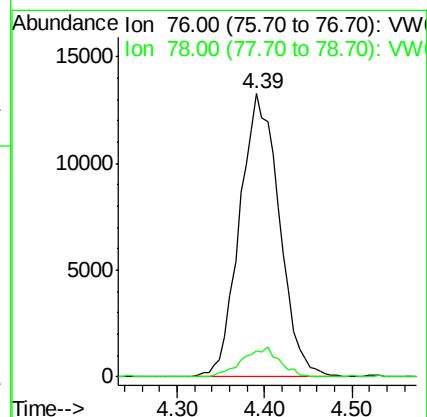
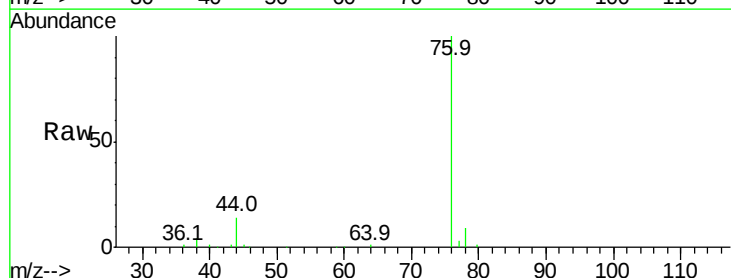
Acq: 24 Nov 2020 09:37

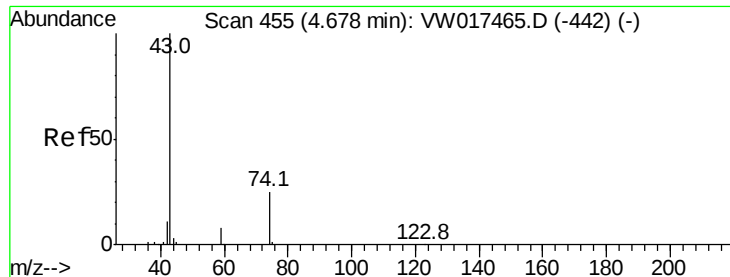
Tgt Ion: 76 Resp: 41846

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

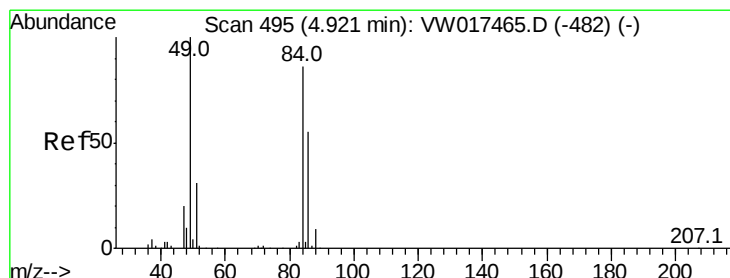
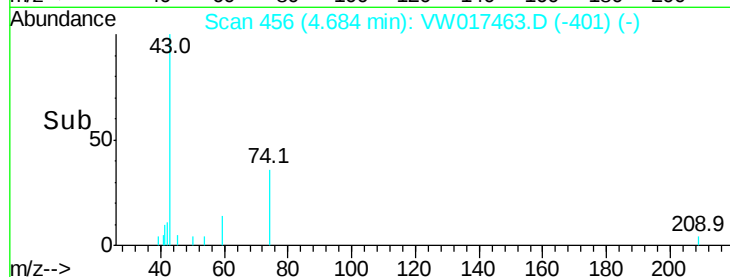
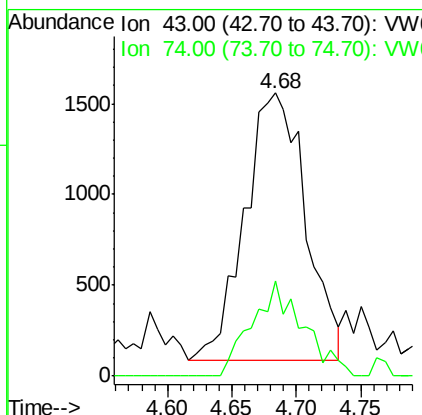
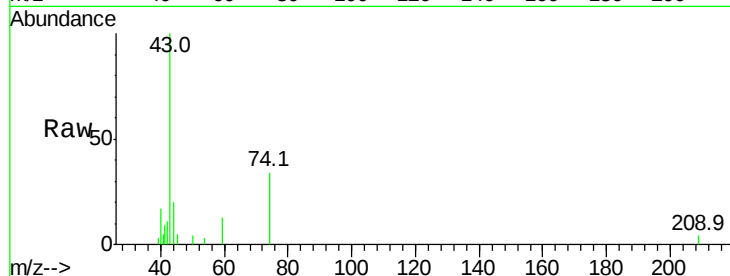




#15
Methyl Acetate
Concen: 2.861 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW017463.D
Acq: 24 Nov 2020 09:37

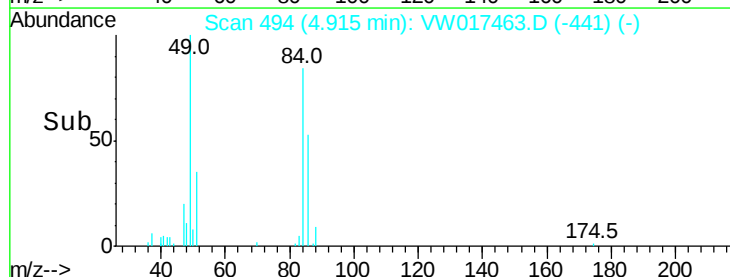
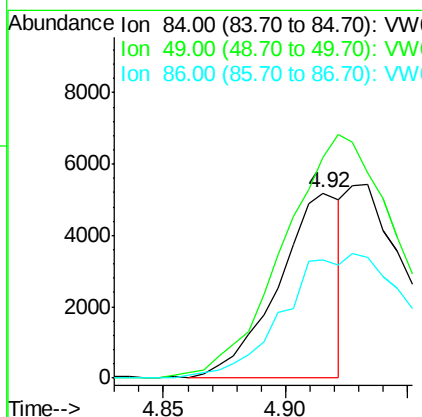
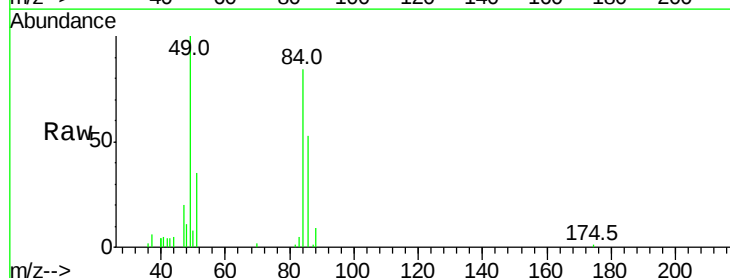
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

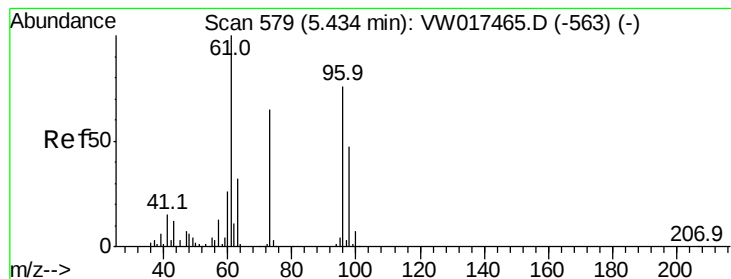
Tgt Ion: 43 Resp: 4832
Ion Ratio Lower Upper
43 100
74 23.2 20.7 31.1



#16
Methylene chloride
Concen: 1.182 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW017463.D
Acq: 24 Nov 2020 09:37

Tgt Ion: 84 Resp: 9313
Ion Ratio Lower Upper
84 100
49 119.1 81.2 150.8
86 63.5 44.5 82.7





#17

Methyl tert-butyl Ether

Concen: 1.247 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

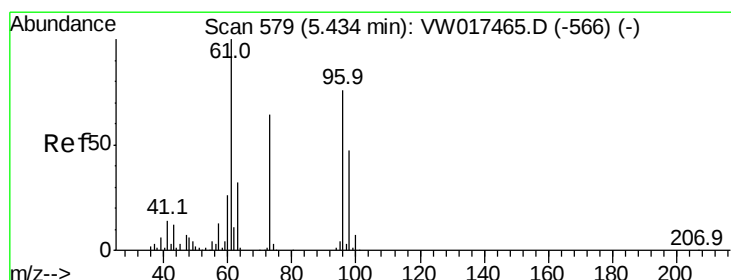
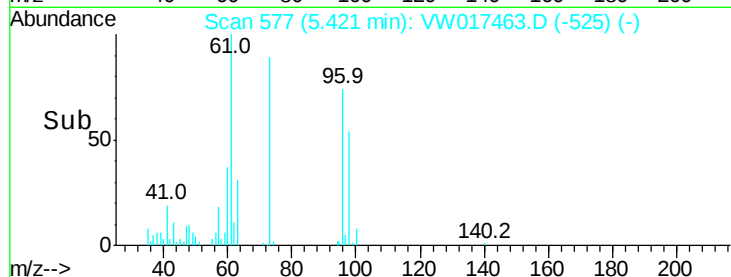
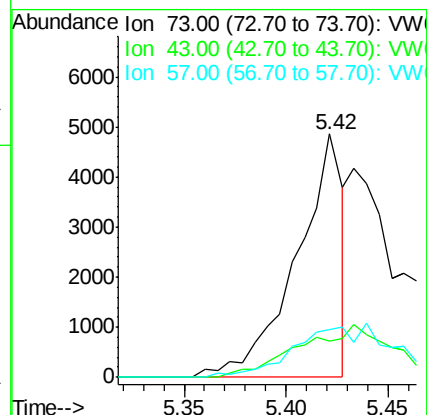
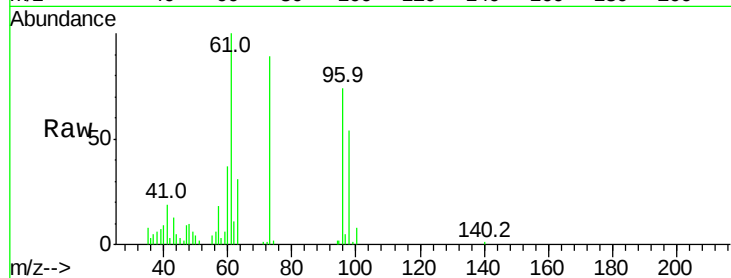
Tgt Ion: 73 Resp: 7686

Ion Ratio Lower Upper

73 100

43 22.8 16.2 24.4

57 27.8 17.2 25.8#



#18

trans-1,2-Dichloroethene

Concen: 2.594 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

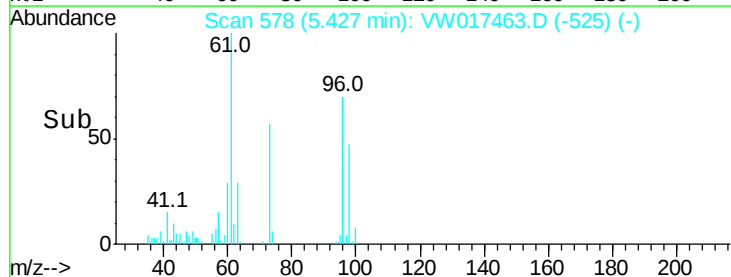
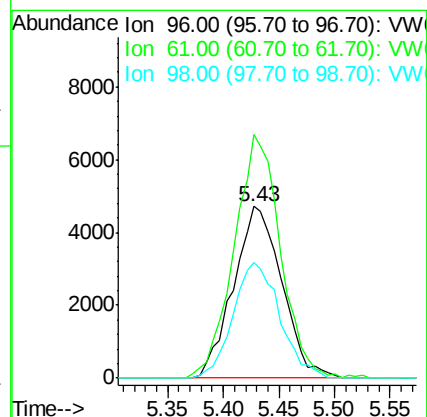
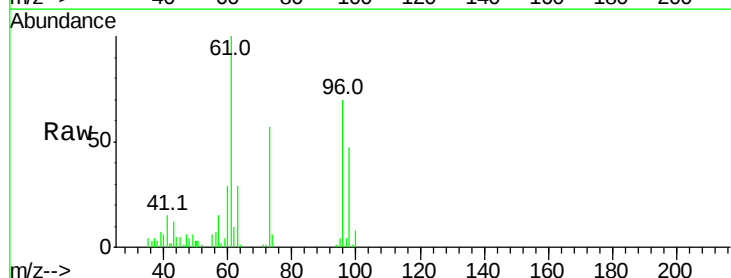
Tgt Ion: 96 Resp: 14285

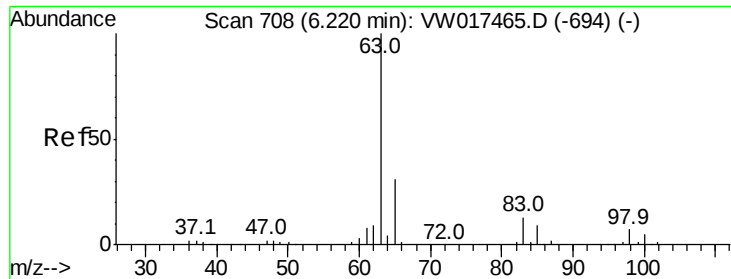
Ion Ratio Lower Upper

96 100

61 142.0 92.7 172.1

98 67.2 43.3 80.3

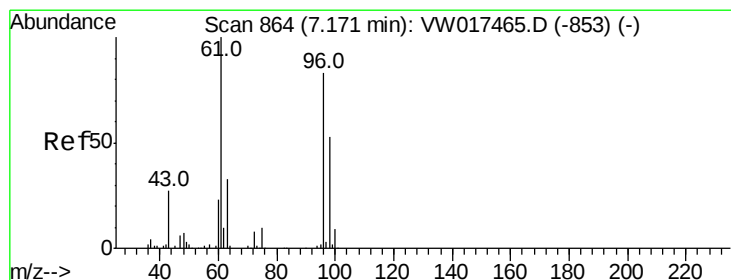
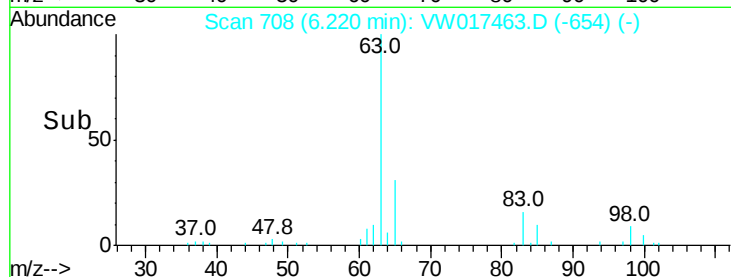
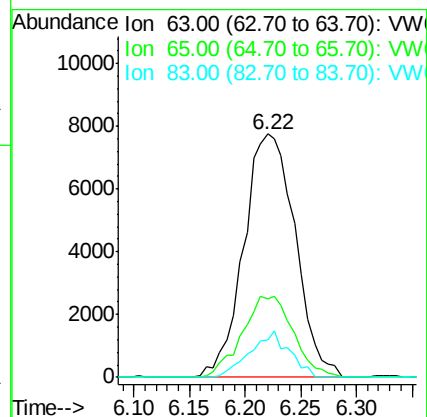
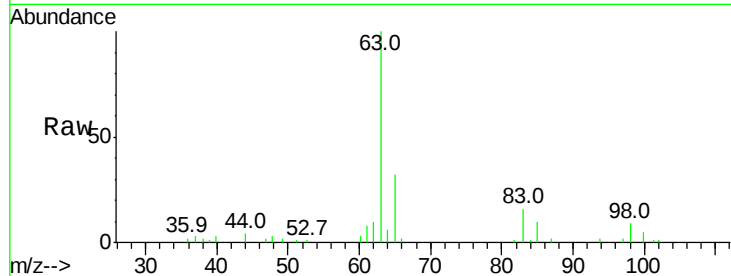




#19
 1,1-Dichloroethane
 Concen: 2.918 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW017463.D
 Acq: 24 Nov 2020 09:37

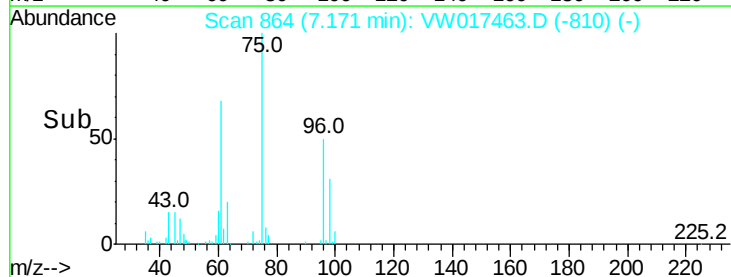
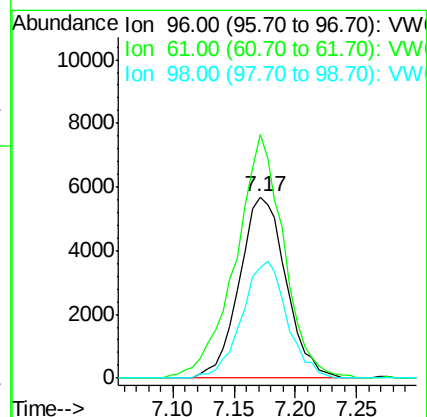
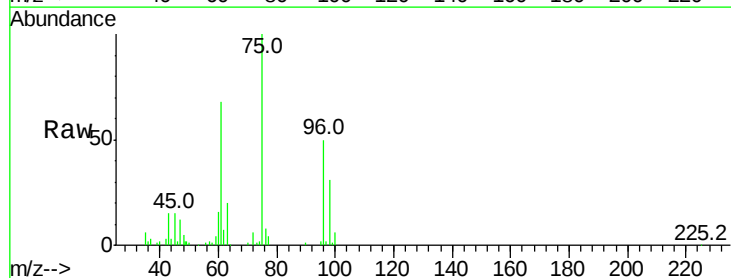
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

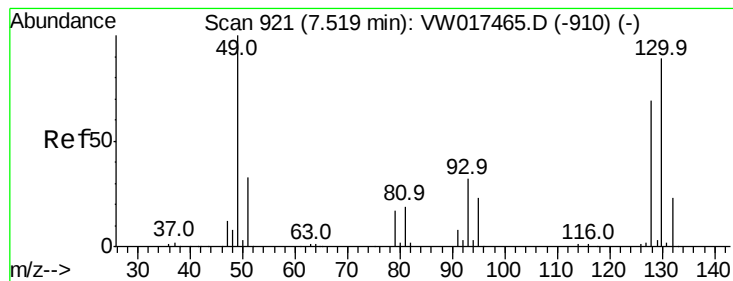
Tgt Ion: 63 Resp: 24922
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.9 40.7
 83 15.6 9.4 17.6



#22
 cis-1,2-Dichloroethene
 Concen: 2.624 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW017463.D
 Acq: 24 Nov 2020 09:37

Tgt Ion: 96 Resp: 15040
 Ion Ratio Lower Upper
 96 100
 61 134.4 84.6 157.2
 98 60.8 44.7 82.9





#23

Bromochloromethane

Concen: 2.589 ug/L

RT: 7.52 min Scan# 921

Delta R.T. -0.00 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

Tgt Ion:128 Resp: 7011

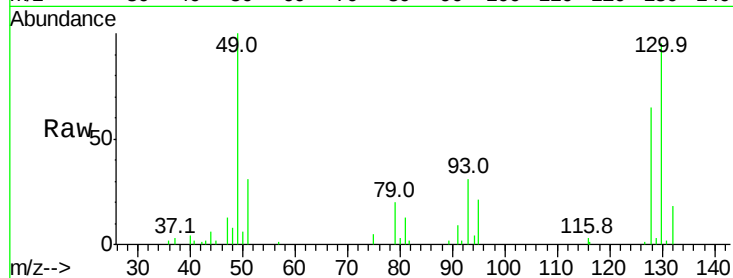
Ion Ratio Lower Upper

128 100

49 154.7 101.6 188.6

130 149.3 90.4 167.8

51 48.2 37.7 56.5

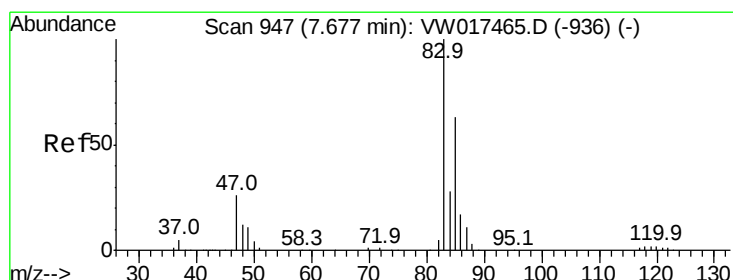
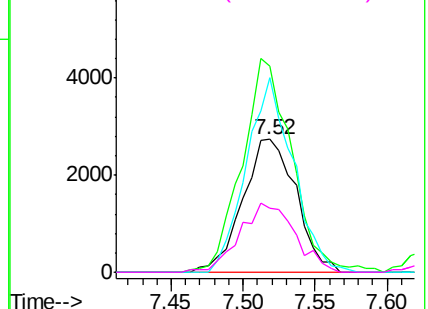
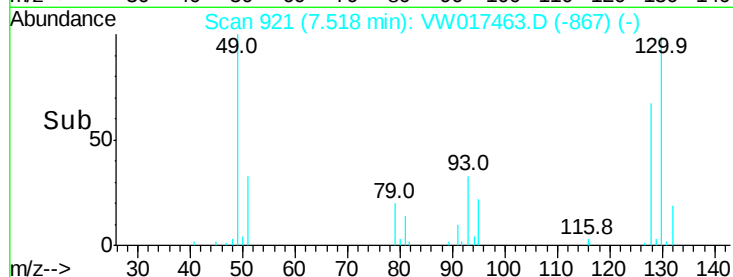


Abundance Ion 128.00 (127.70 to 128.70): V

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: 2.746 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW017463.D

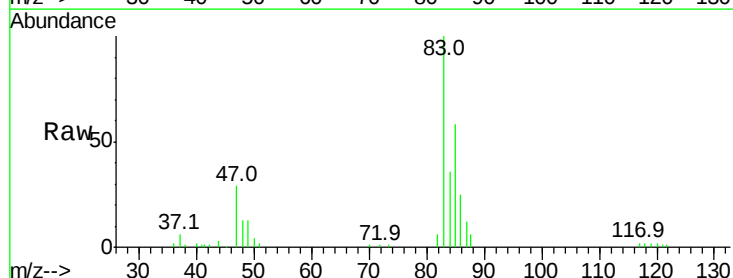
Acq: 24 Nov 2020 09:37

Tgt Ion: 83 Resp: 26339

Ion Ratio Lower Upper

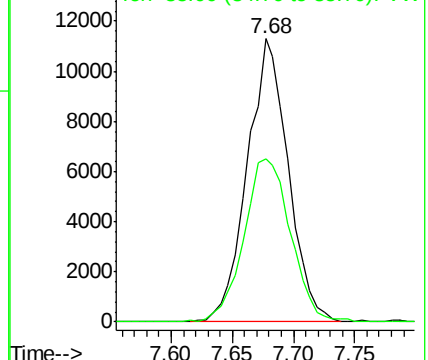
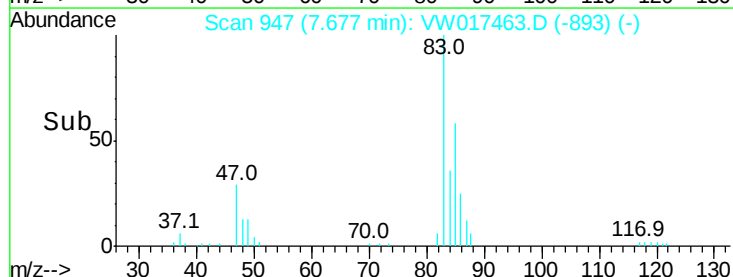
83 100

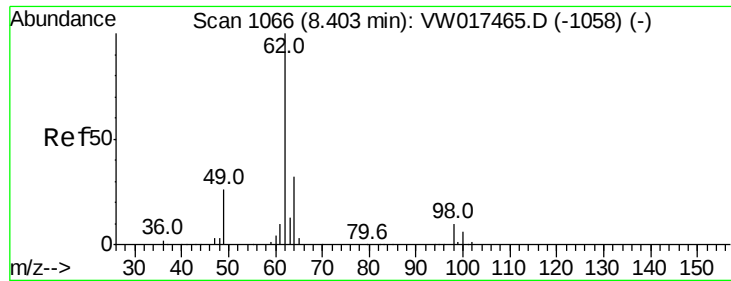
85 65.1 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW





#27

1,2-Dichloroethane

Concen: 2.699 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

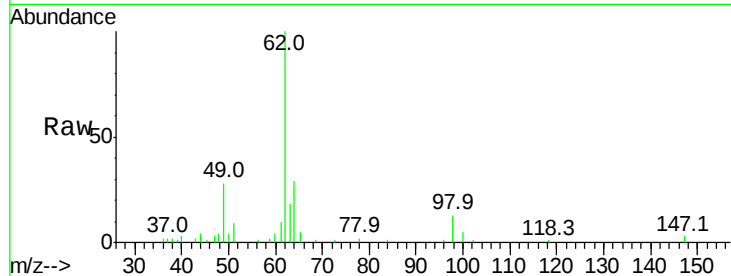
VSTD2.506

Tgt Ion: 62 Resp: 16071

Ion Ratio Lower Upper

62 100

98 13.4 8.0 12.0#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

8000

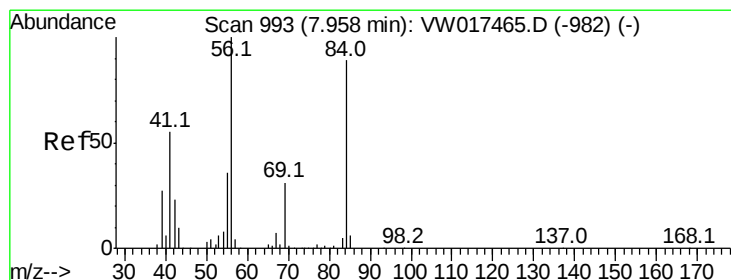
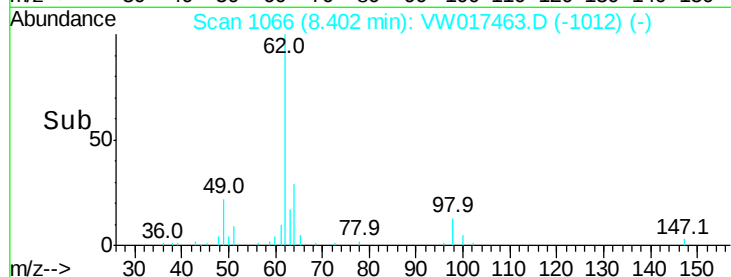
6000

4000

2000

0

Time--> 8.30 8.35 8.40 8.45 8.50



#30

Cyclohexane

Concen: 2.826 ug/L

RT: 7.97 min Scan# 995

Delta R.T. 0.01 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

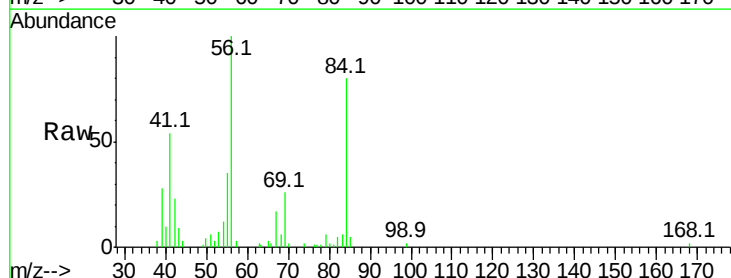
Tgt Ion: 56 Resp: 20537

Ion Ratio Lower Upper

56 100

69 33.6 24.8 37.2

84 90.3 74.2 111.4



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

7.97

10000

8000

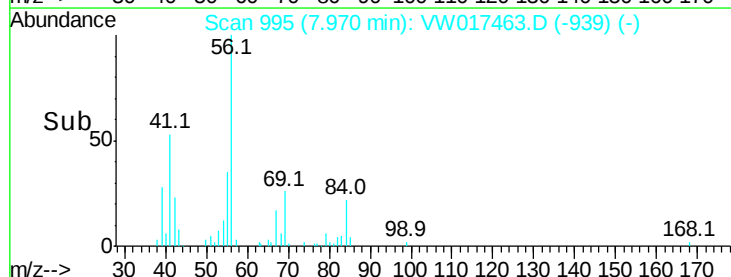
6000

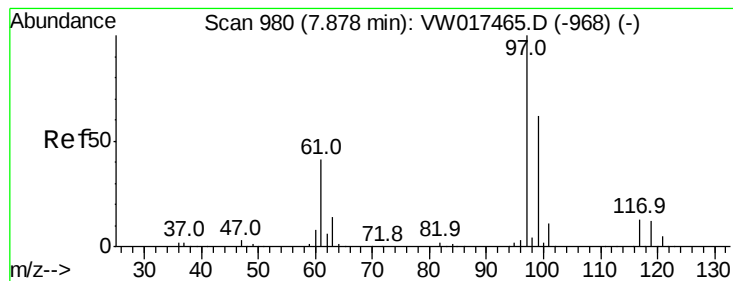
4000

2000

0

Time--> 7.85 7.90 7.95 8.00 8.05





#31

1,1,1-Trichloroethane

Concen: 2.531 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

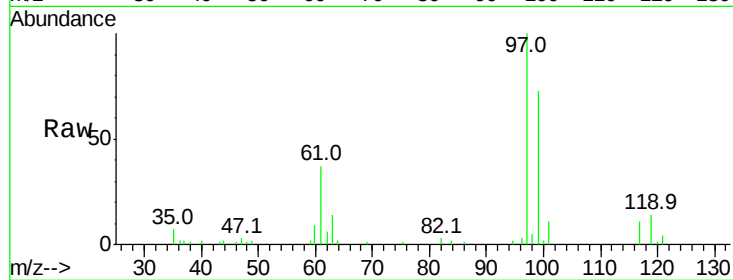
Tgt Ion: 97 Resp: 21856

Ion Ratio Lower Upper

97 100

99 66.9 51.0 76.4

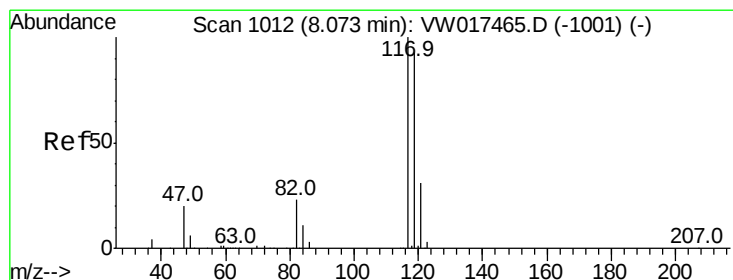
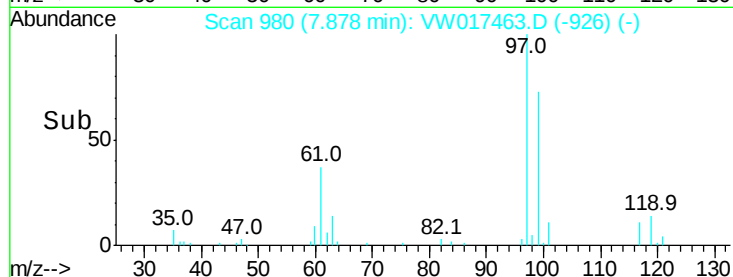
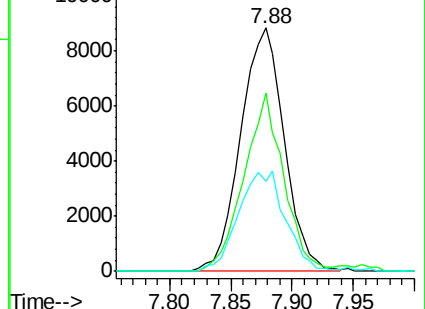
61 27.4 33.6 50.4#



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: 2.424 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW017463.D

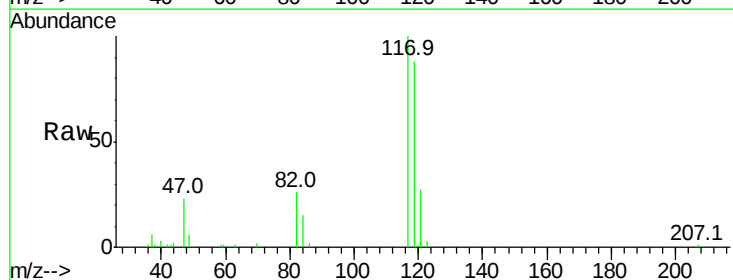
Acq: 24 Nov 2020 09:37

Tgt Ion: 117 Resp: 20547

Ion Ratio Lower Upper

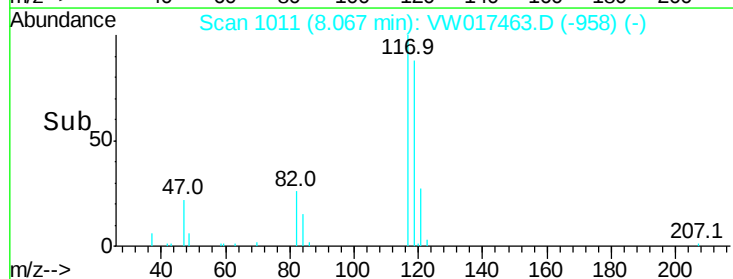
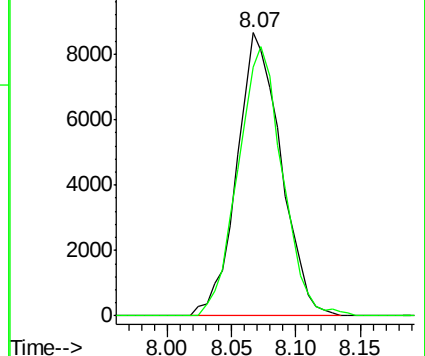
117 100

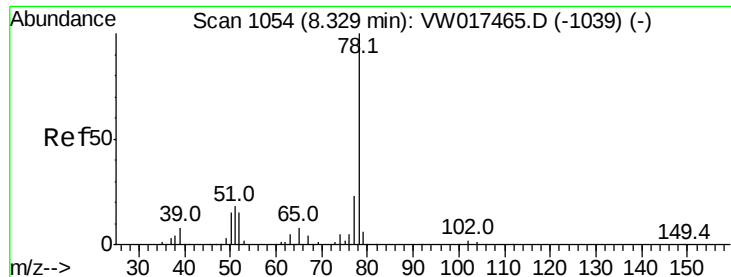
119 95.0 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 2.625 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

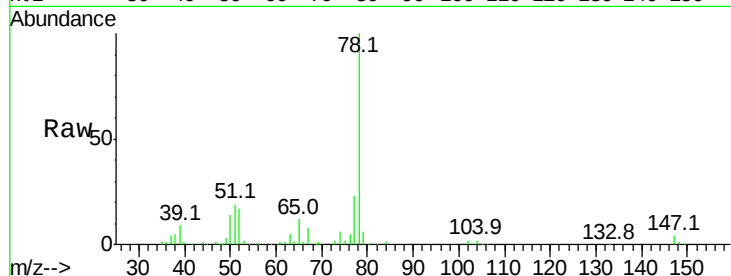
Instrument :

MSVOA_W

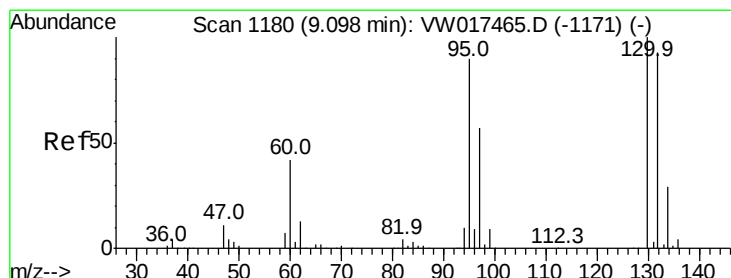
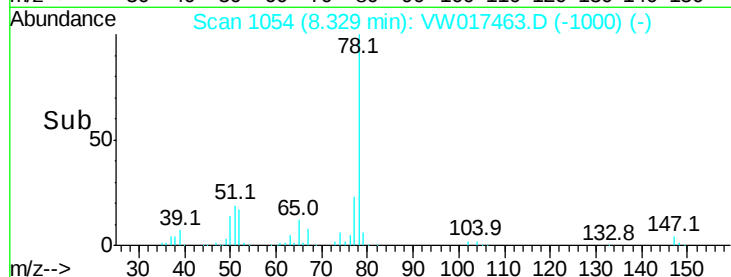
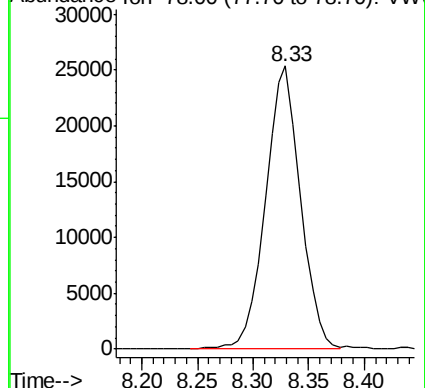
ClientSampleId :

VSTD2.506

Tgt Ion: 78 Resp: 55397



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 2.449 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

Tgt Ion: 95 Resp: 15759

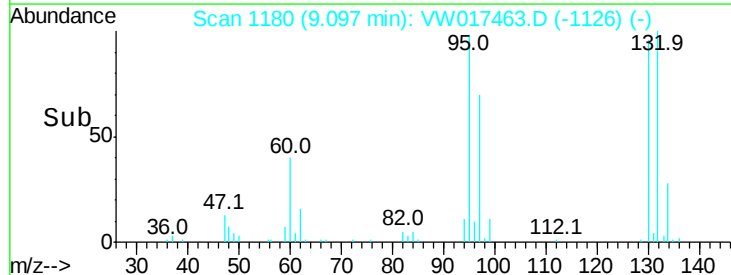
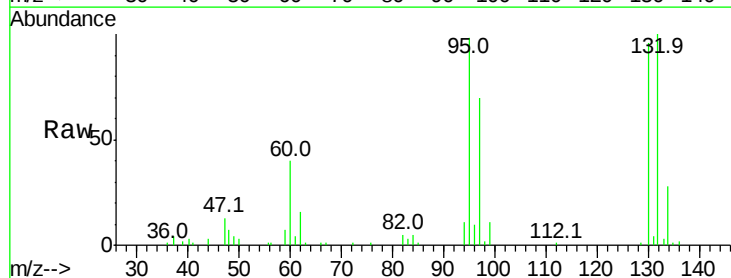
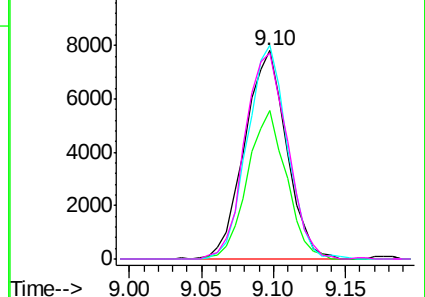
Ion	Ratio	Lower	Upper
95	100		
97	66.0	45.0	83.6
132	97.1	71.0	131.8
130	100.2	75.6	140.4

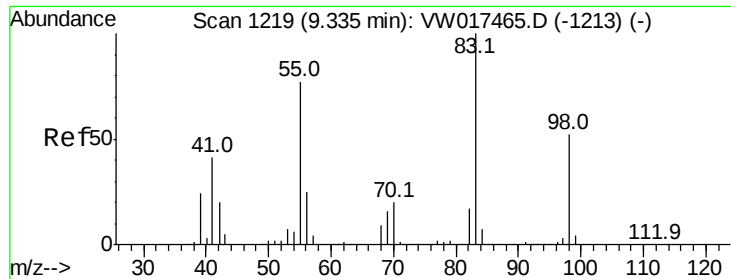
Abundance Ion 95.00 (94.70 to 95.70): VW

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

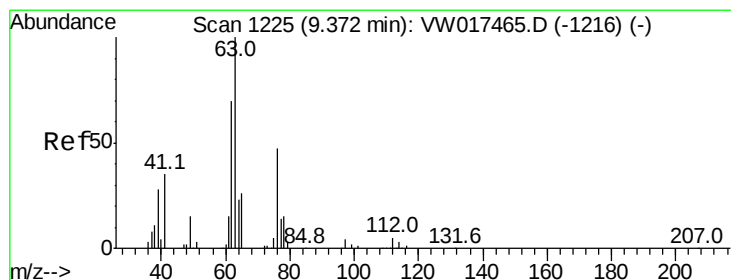
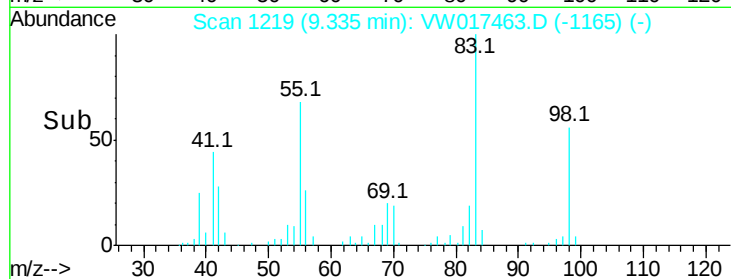
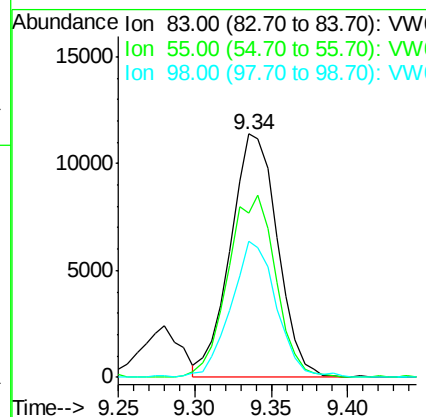
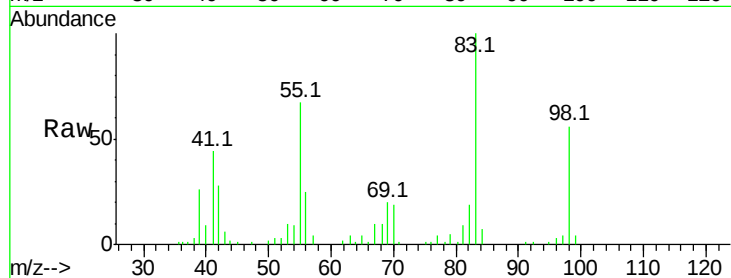




#36
Methylcyclohexane
Concen: 2.316 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW017463.D
Acq: 24 Nov 2020 09:37

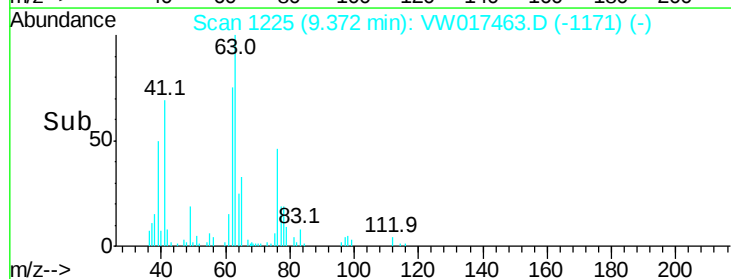
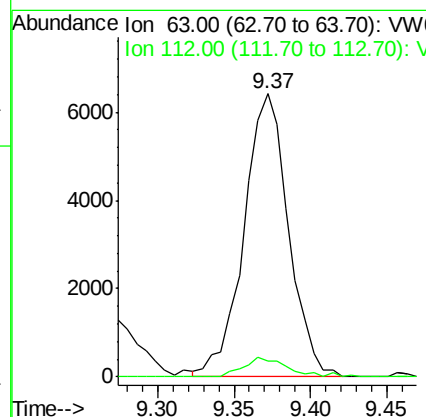
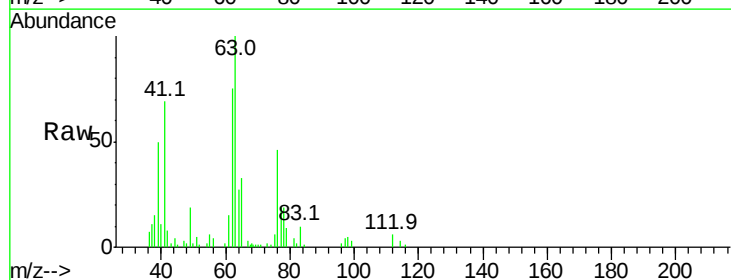
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

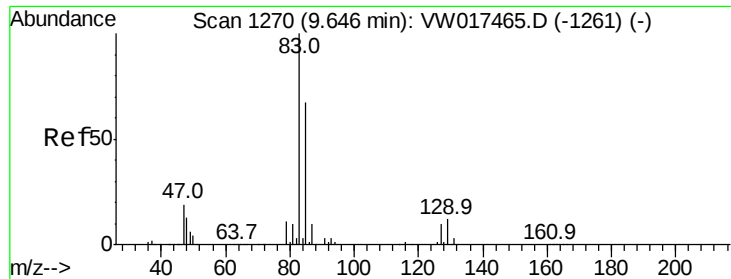
Tgt Ion: 83 Resp: 24376
Ion Ratio Lower Upper
83 100
55 75.9 59.4 89.0
98 53.6 40.7 61.1



#40
1,2-Dichloropropane
Concen: 2.455 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VW017463.D
Acq: 24 Nov 2020 09:37

Tgt Ion: 63 Resp: 13006
Ion Ratio Lower Upper
63 100
112 6.5 4.2 6.4#





#41

Bromodichloromethane

Concen: 2.412 ug/L

RT: 9.65 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

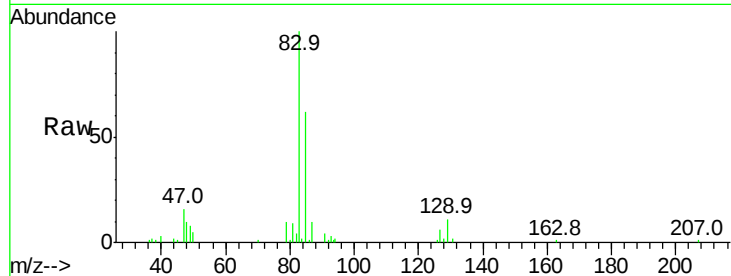
Tgt Ion: 83 Resp: 17835

Ion Ratio Lower Upper

83 100

85 61.7 46.8 86.8

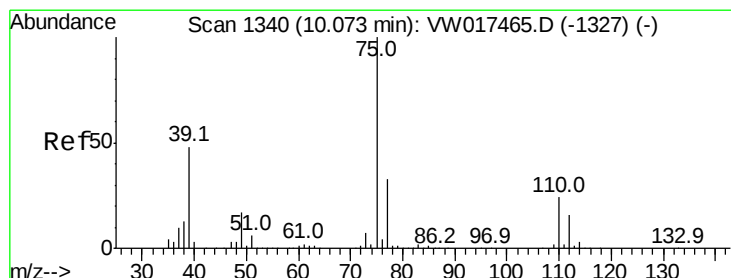
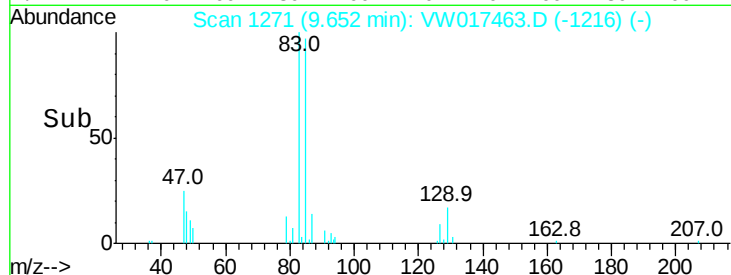
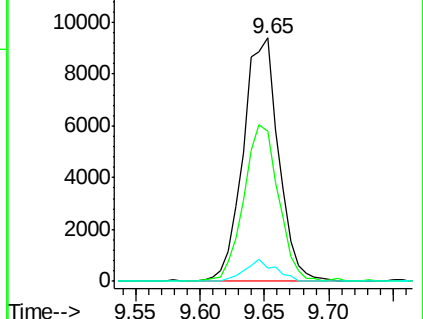
127 5.7 7.6 11.4#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW



#42

cis-1,3-Dichloropropene

Concen: 2.187 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW017463.D

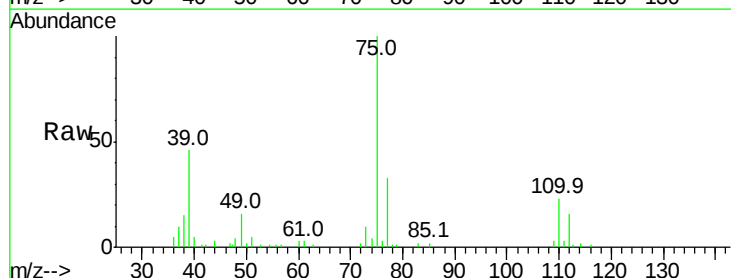
Acq: 24 Nov 2020 09:37

Tgt Ion: 75 Resp: 18500

Ion Ratio Lower Upper

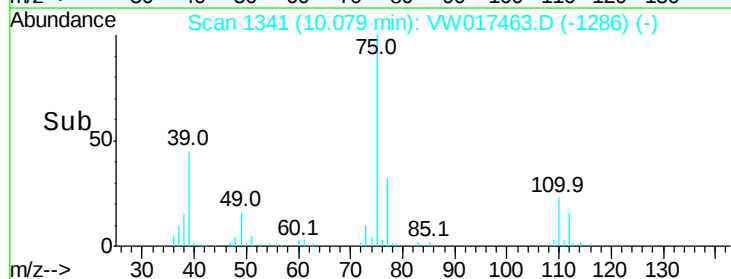
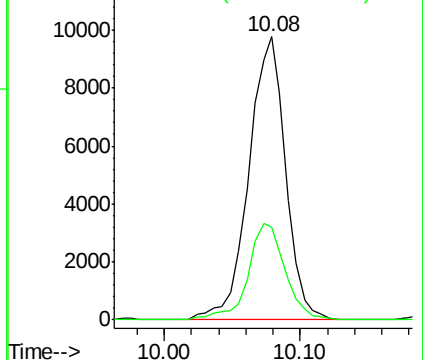
75 100

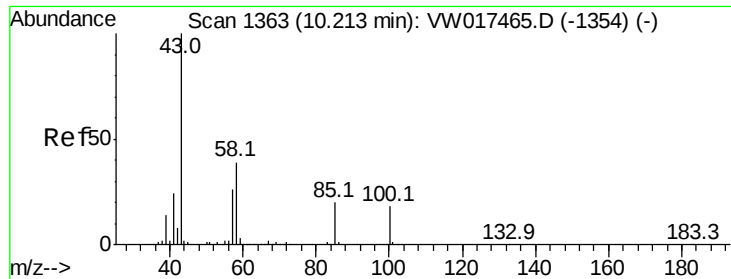
77 33.0 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

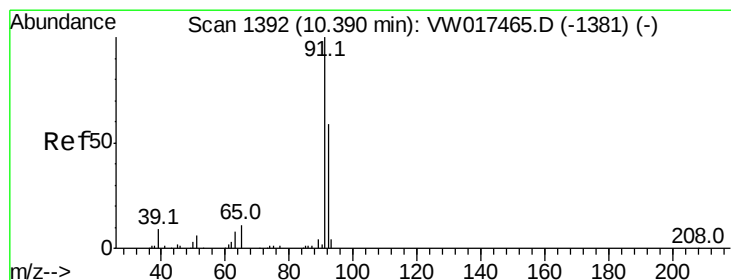
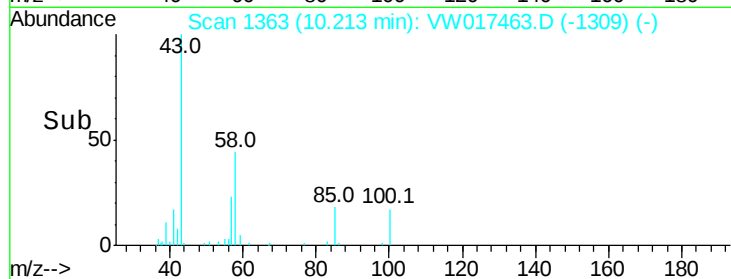
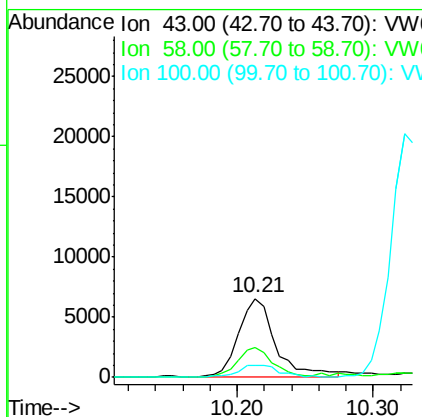
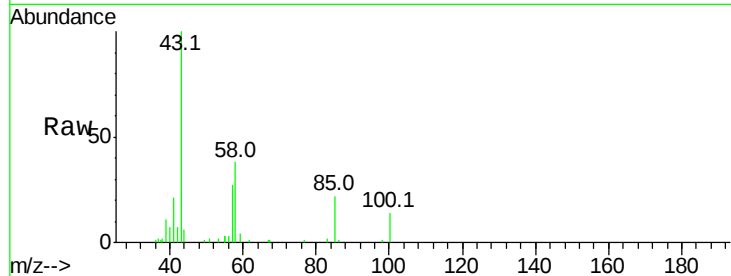




#43
 4-Methyl-2-pentanone
 Concen: 4.895 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW017463.D
 Acq: 24 Nov 2020 09:37

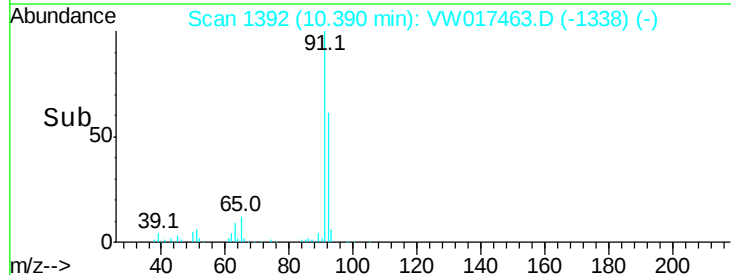
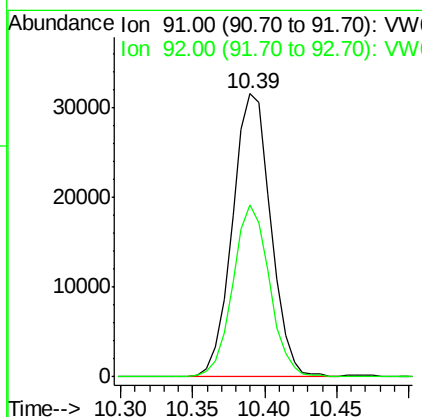
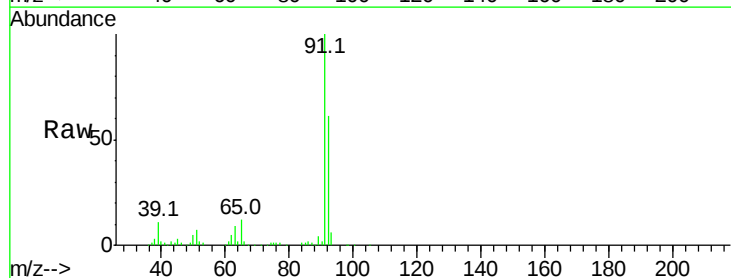
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

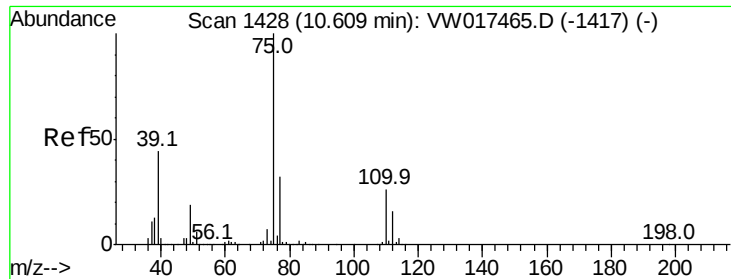
Tgt Ion: 43 Resp: 12658
 Ion Ratio Lower Upper
 43 100
 58 35.4 31.6 47.4
 100 8.4 14.1 21.1#



#44
 Toluene
 Concen: 2.277 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW017463.D
 Acq: 24 Nov 2020 09:37

Tgt Ion: 91 Resp: 58433
 Ion Ratio Lower Upper
 91 100
 92 60.8 41.6 77.3





#45

trans-1,3-Dichloropropene

Concen: 2.137 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

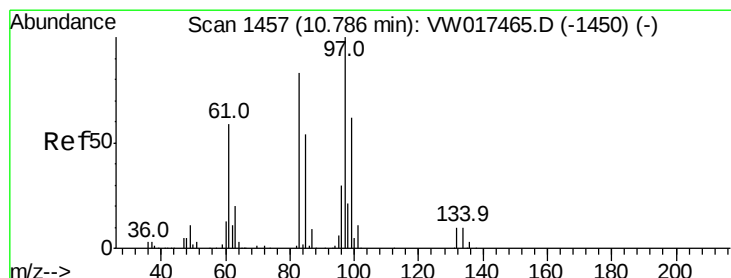
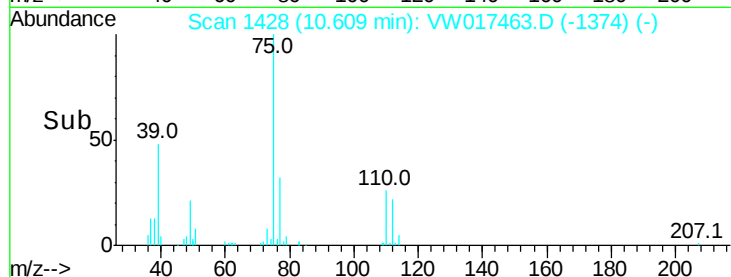
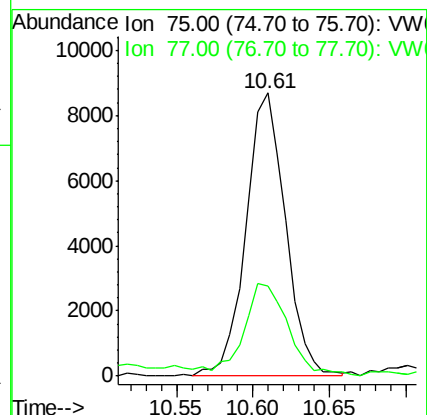
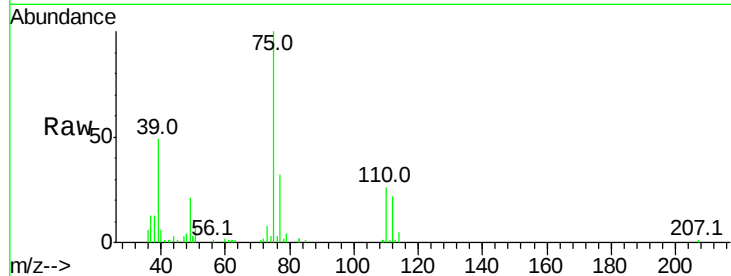
VSTD2.506

Tgt Ion: 75 Resp: 15654

Ion Ratio Lower Upper

75 100

77 31.9 22.6 42.0



#46

1,1,2-Trichloroethane

Concen: 2.168 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

Tgt Ion: 97 Resp: 9833

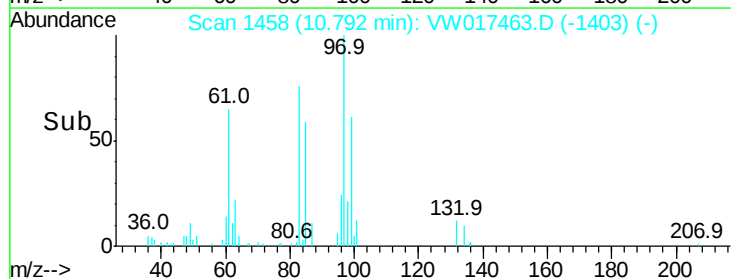
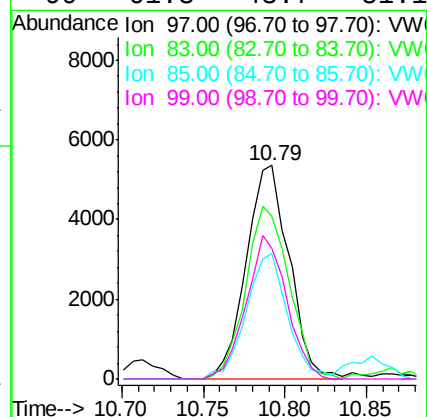
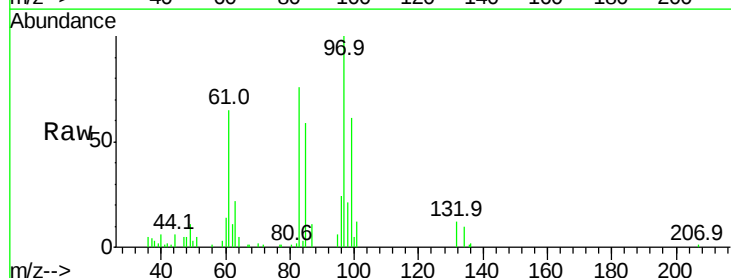
Ion Ratio Lower Upper

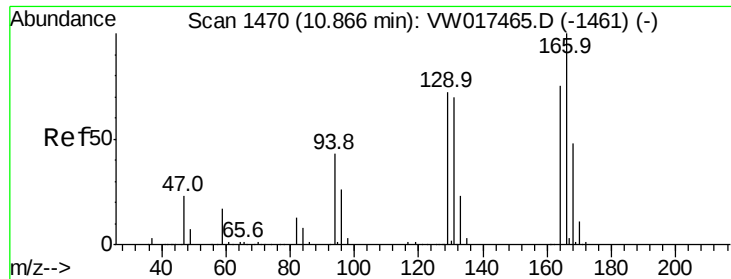
97 100

83 75.9 58.5 108.7

85 58.5 37.8 70.2

99 61.3 43.7 81.1





#47

Tetrachloroethene

Concen: 2.184 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

Tgt Ion:164 Resp: 13492

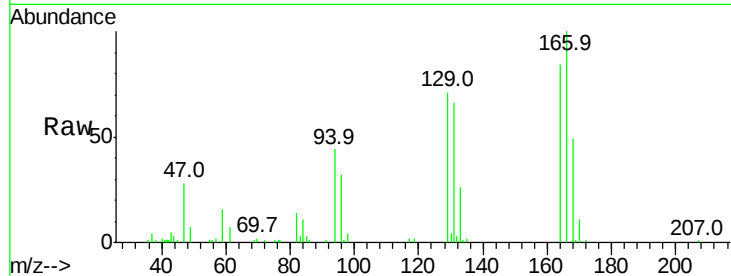
Ion Ratio Lower Upper

164 100

129 83.9 67.6 125.6

131 78.6 65.2 121.2

166 118.8 93.2 173.2



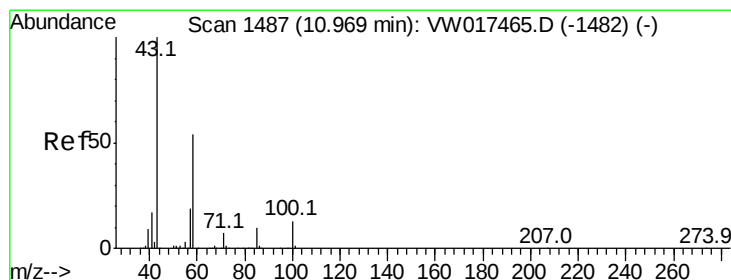
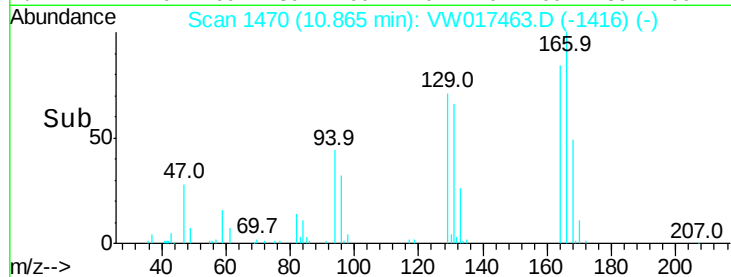
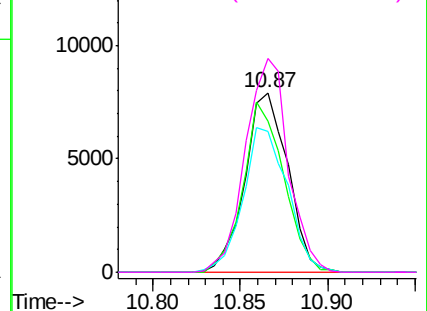
Abundance

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: 3.713 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

Tgt Ion: 43 Resp: 6676

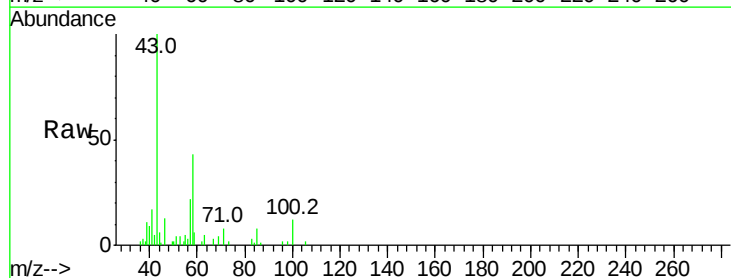
Ion Ratio Lower Upper

43 100

58 58.8 51.3 76.9

57 23.7 15.0 22.6#

100 13.1 12.2 18.2



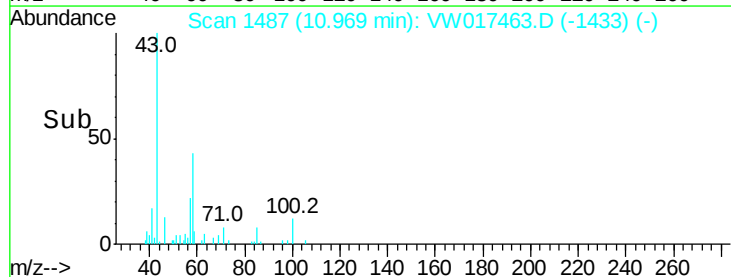
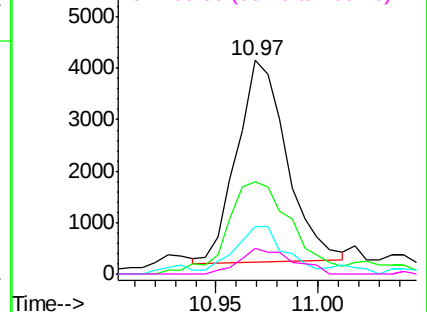
Abundance

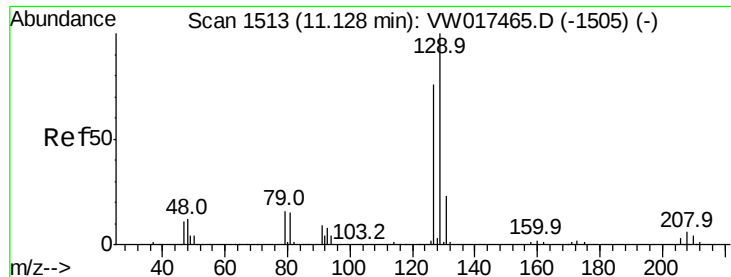
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#50

Dibromochloromethane

Concen: 2.148 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

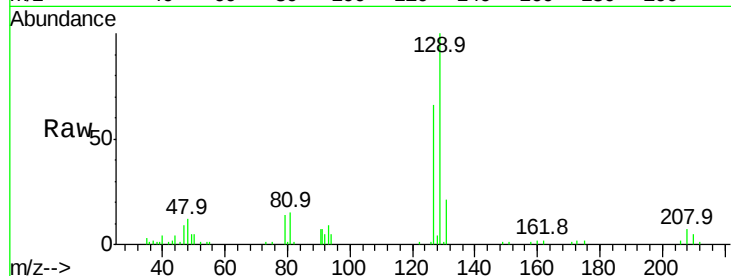
VSTD2.506

Tgt Ion:129 Resp: 11909

Ion Ratio Lower Upper

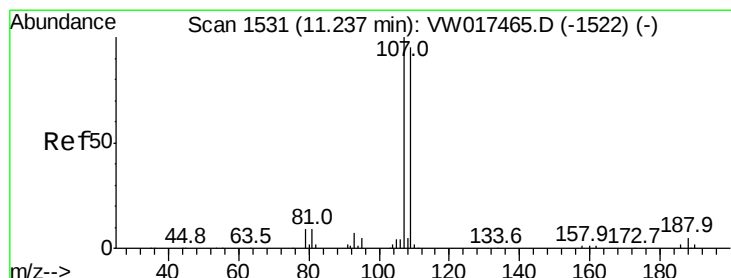
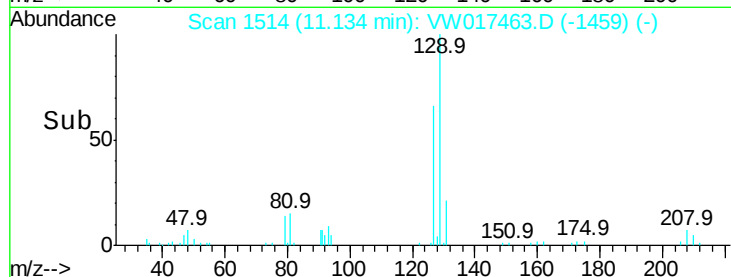
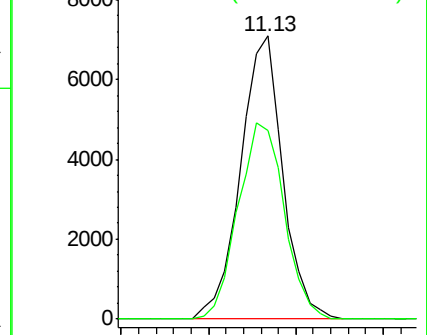
129 100

127 66.4 53.2 98.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 2.245 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

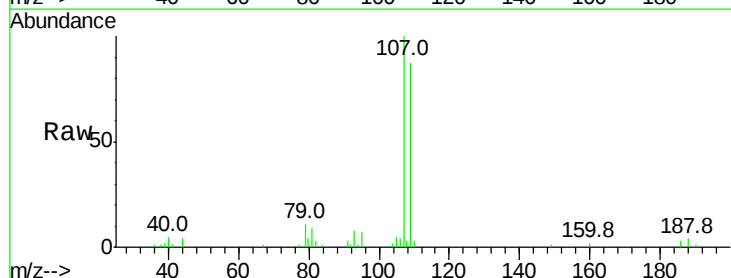
Tgt Ion:107 Resp: 9336

Ion Ratio Lower Upper

107 100

109 87.2 66.4 123.2

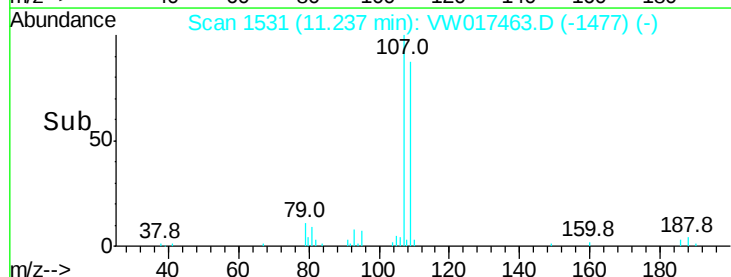
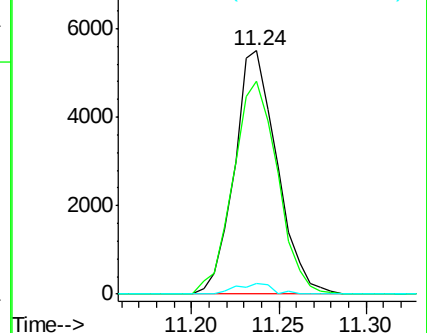
188 4.4 4.0 6.0

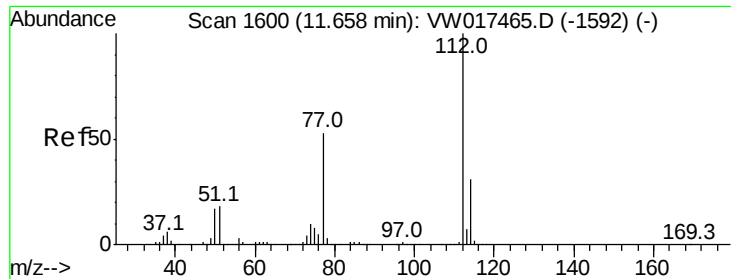


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

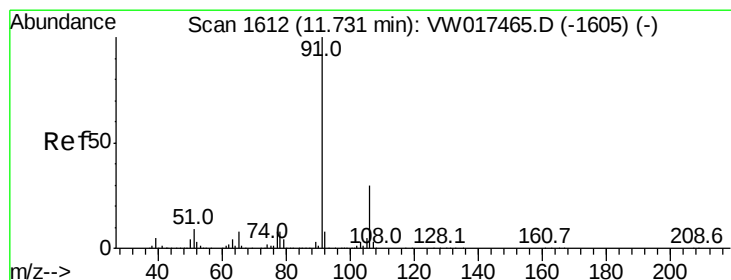
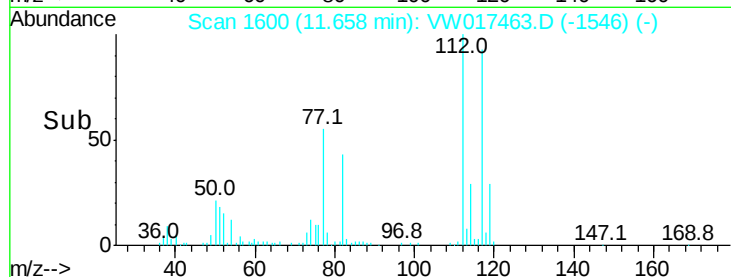
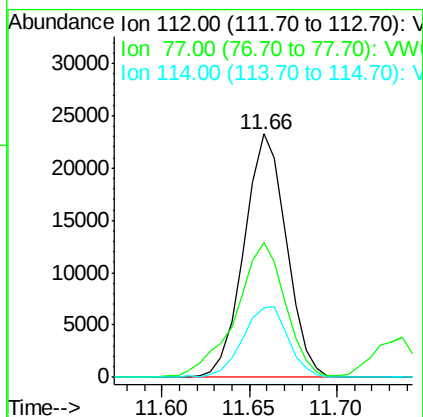
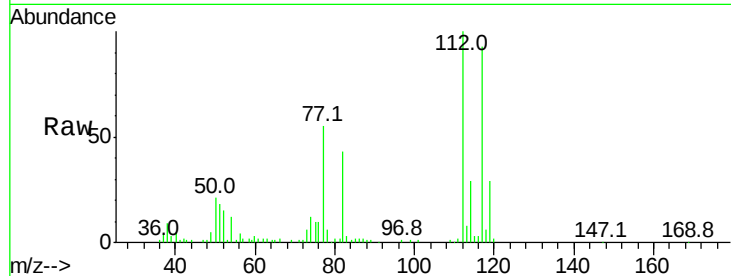




#52
Chlorobenzene
Concen: 2.354 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017463.D
Acq: 24 Nov 2020 09:37

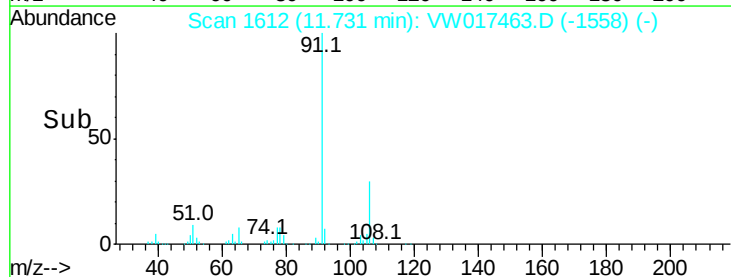
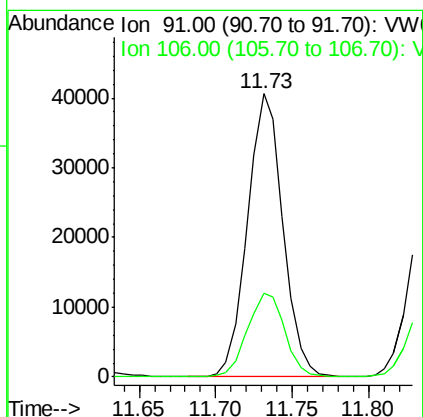
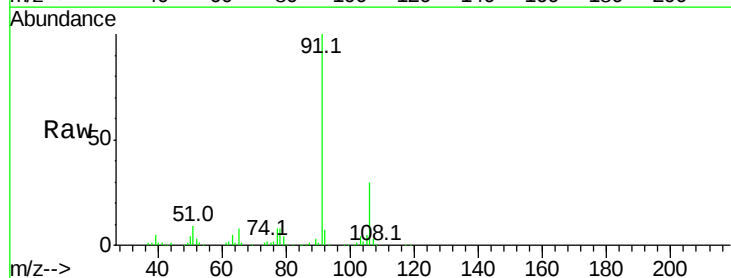
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

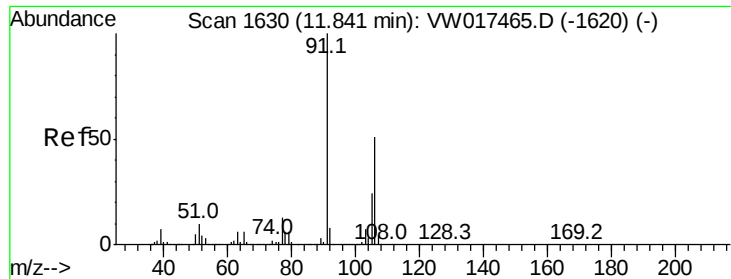
Tgt Ion: 112 Resp: 39125
Ion Ratio Lower Upper
112 100
77 55.3 42.6 64.0
114 28.7 21.6 40.2



#53
Ethylbenzene
Concen: 2.351 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017463.D
Acq: 24 Nov 2020 09:37

Tgt Ion: 91 Resp: 65463
Ion Ratio Lower Upper
91 100
106 29.7 21.1 39.1





#54

m,p-Xylene

Concen: 2.208 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampled :

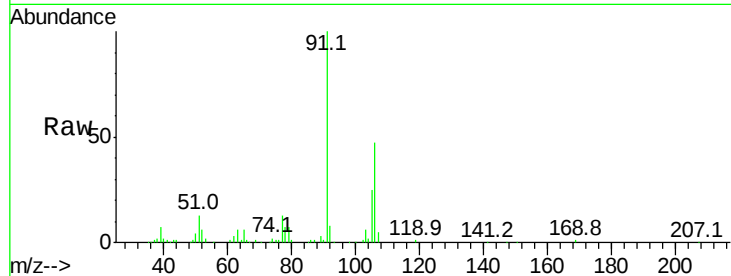
VSTD2.506

Tgt Ion:106 Resp: 24061

Ion Ratio Lower Upper

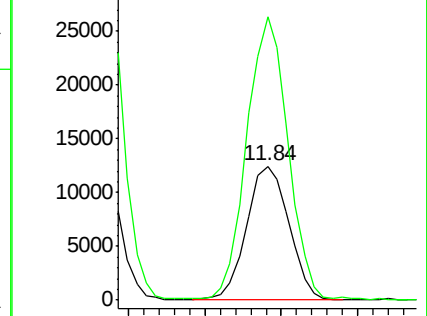
106 100

91 211.6 136.4 253.4

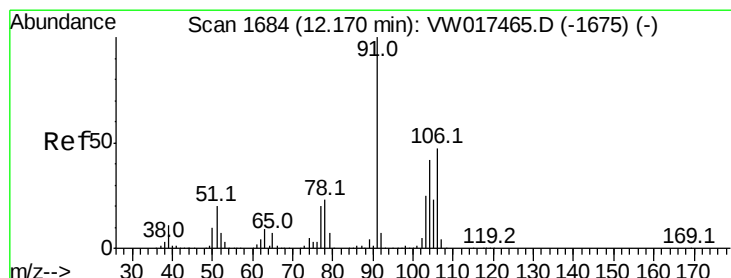
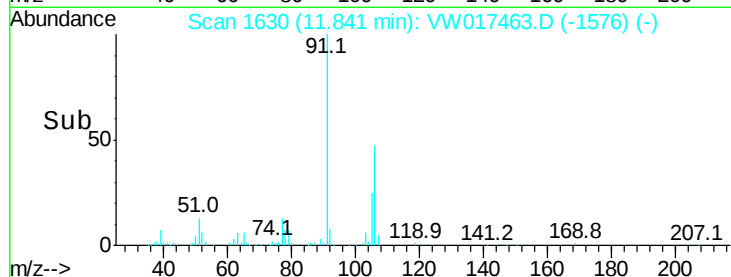


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Time-->



#55

o-xylene

Concen: 2.146 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW017463.D

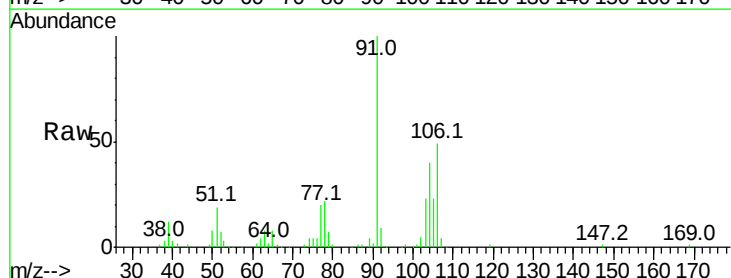
Acq: 24 Nov 2020 09:37

Tgt Ion:106 Resp: 22690

Ion Ratio Lower Upper

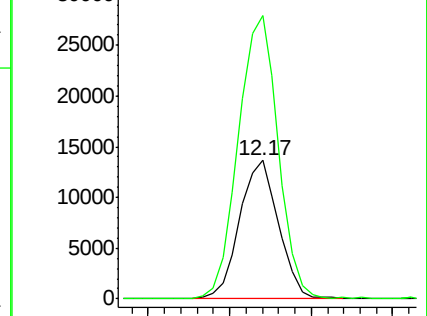
106 100

91 204.2 147.6 274.2

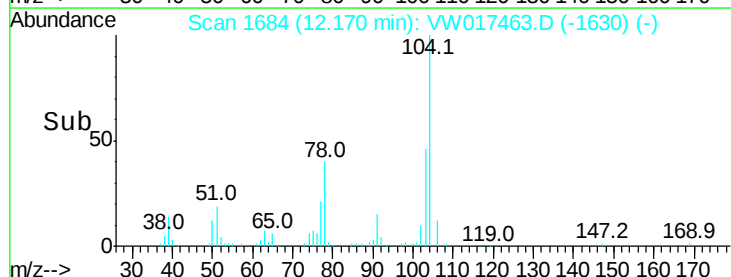


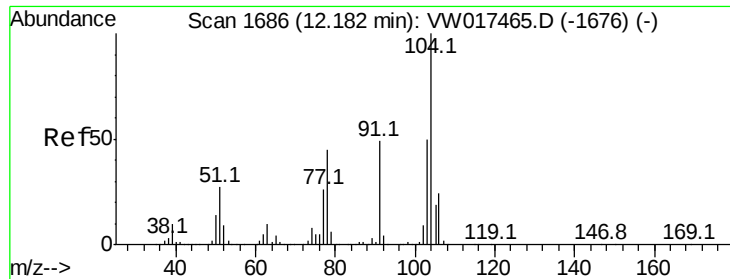
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Time-->





#56

Styrene

Concen: 2.091 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

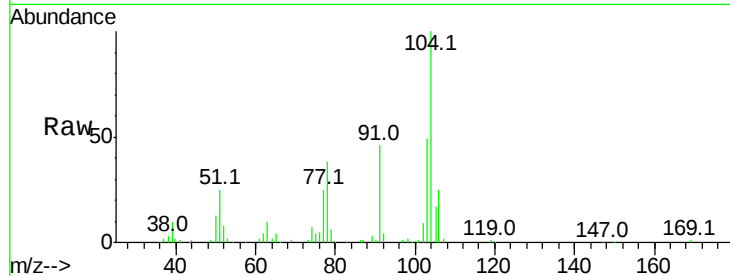
VSTD2.506

Tgt Ion:104 Resp: 37651

Ion Ratio Lower Upper

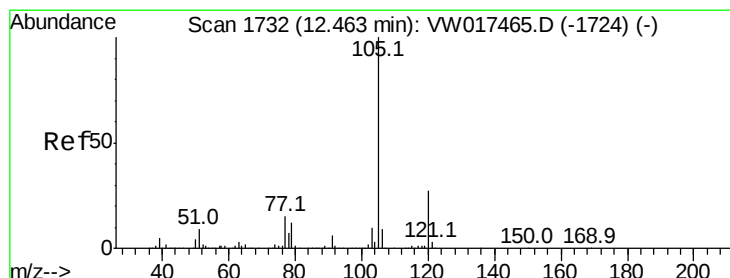
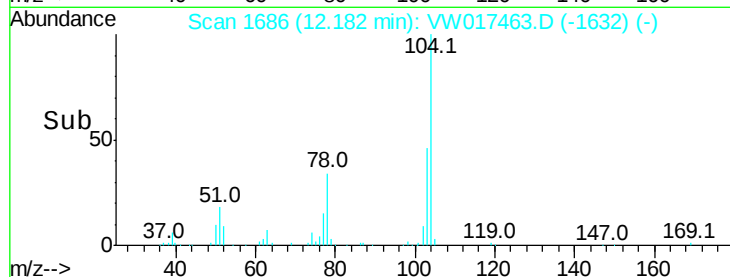
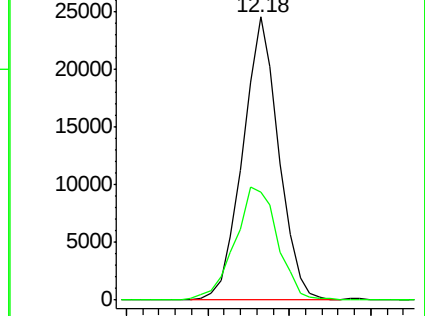
104 100

78 38.2 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 2.092 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

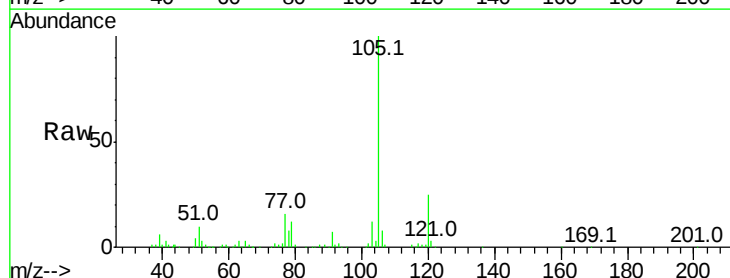
Tgt Ion:105 Resp: 61610

Ion Ratio Lower Upper

105 100

120 27.0 21.4 32.2

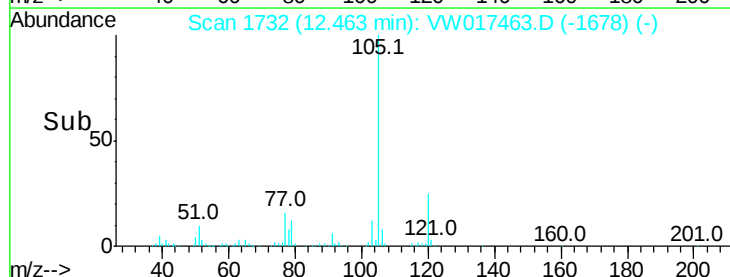
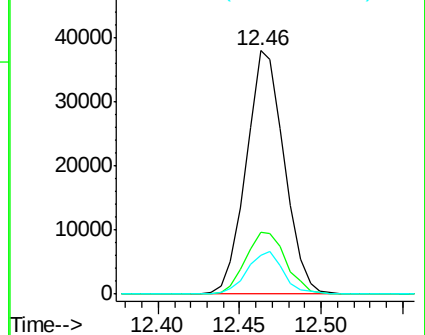
77 16.8 12.1 18.1

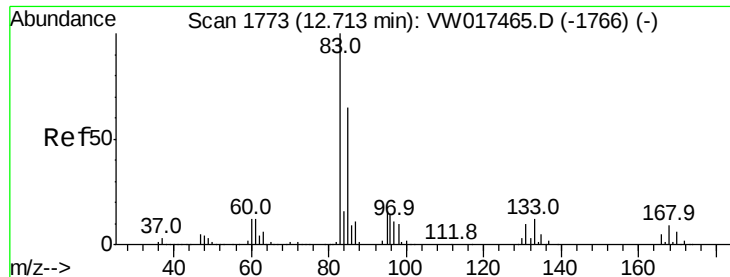


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





#58

1,1,2,2-Tetrachloroethane

Concen: 2.112 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

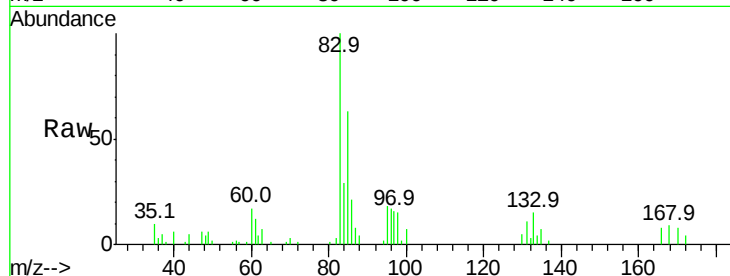
Tgt Ion: 83 Resp: 10262

Ion Ratio Lower Upper

83 100

85 63.3 45.3 84.1

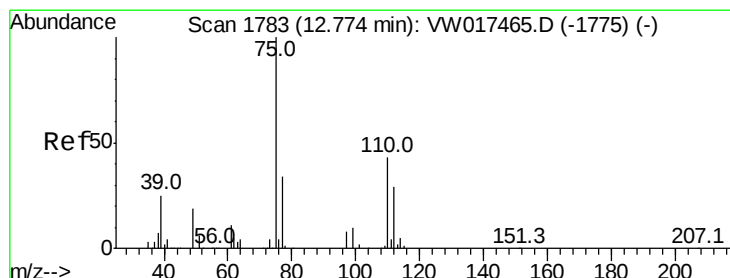
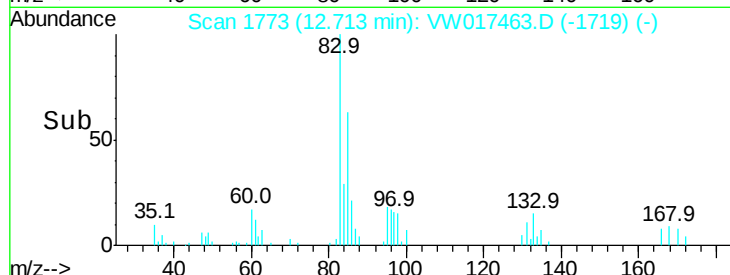
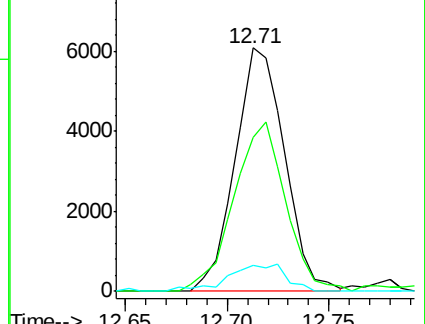
131 10.7 8.3 12.5



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW



#59

1,2,3-Trichloropropane

Concen: 2.352 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW017463.D

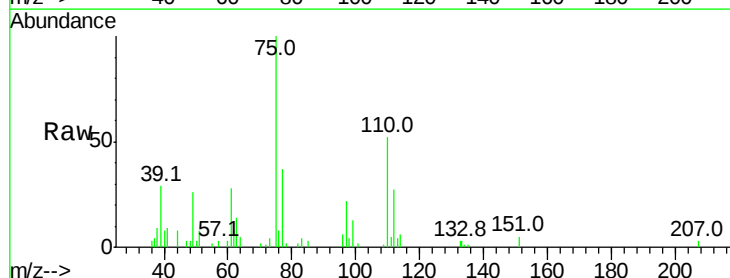
Acq: 24 Nov 2020 09:37

Tgt Ion: 75 Resp: 8170

Ion Ratio Lower Upper

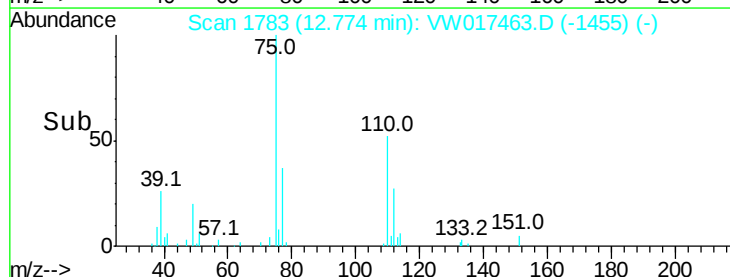
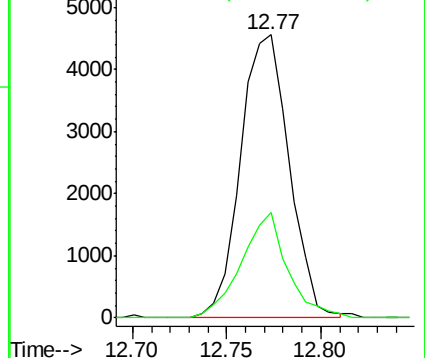
75 100

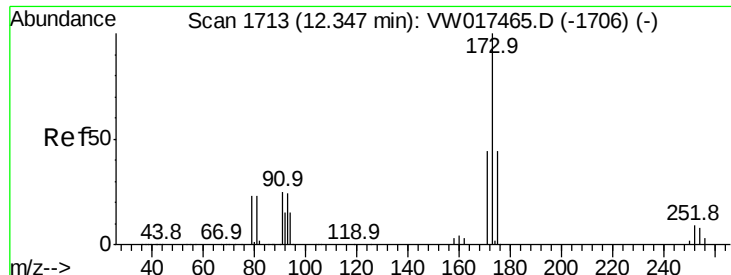
77 35.3 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

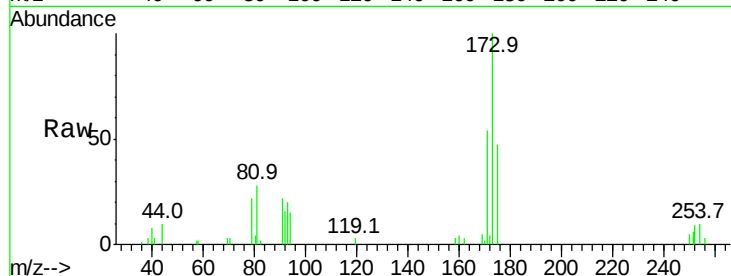




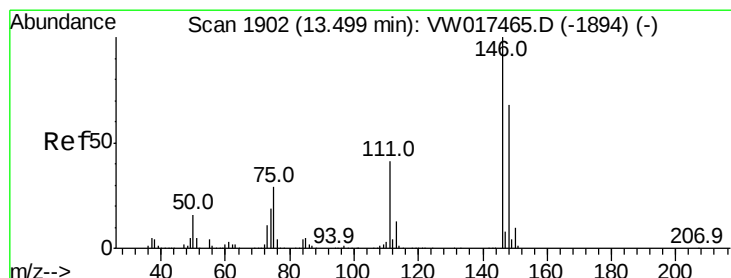
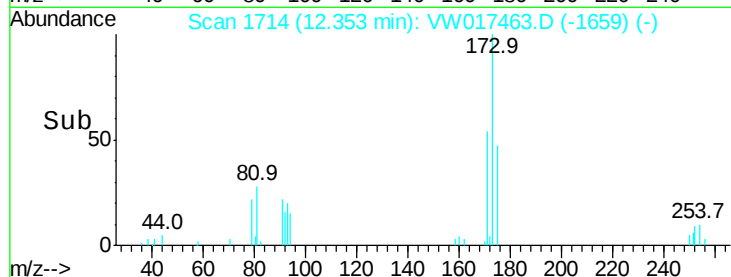
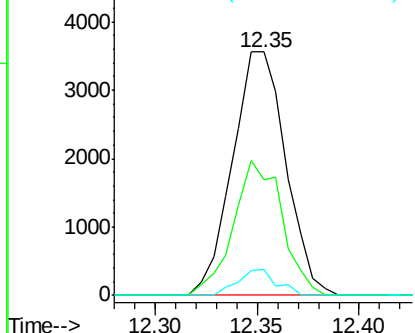
#62
Bromoform
Concen: 2.250 ug/L
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW017463.D
Acq: 24 Nov 2020 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

Tgt Ion:173 Resp: 6465
Ion Ratio Lower Upper
173 100
175 50.6 39.1 58.7
254 7.5 7.1 10.7

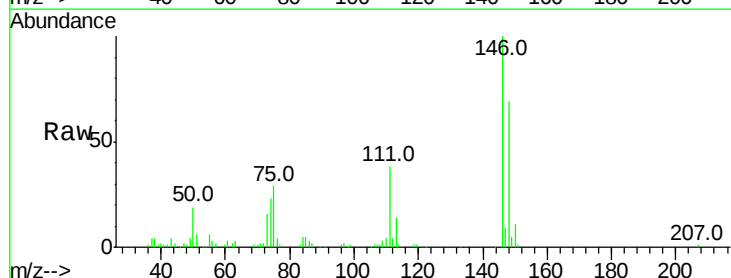


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

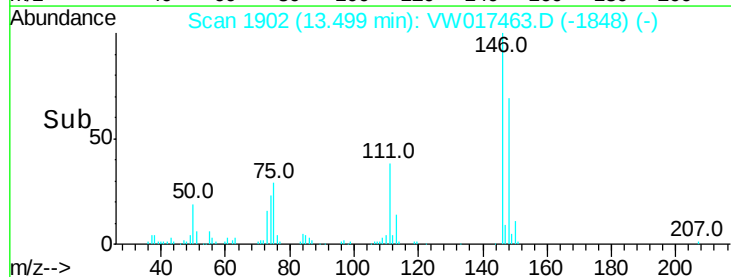
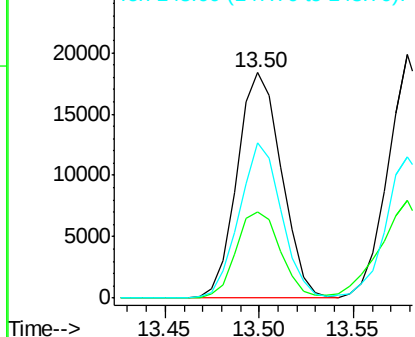


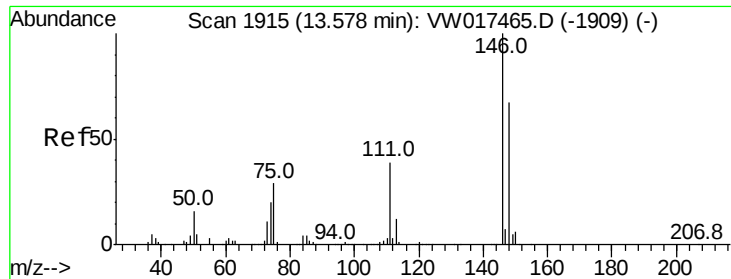
#63
1,3-Dichlorobenzene
Concen: 2.421 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW017463.D
Acq: 24 Nov 2020 09:37

Tgt Ion:146 Resp: 30040
Ion Ratio Lower Upper
146 100
111 38.1 28.5 52.9
148 68.9 47.8 88.8



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

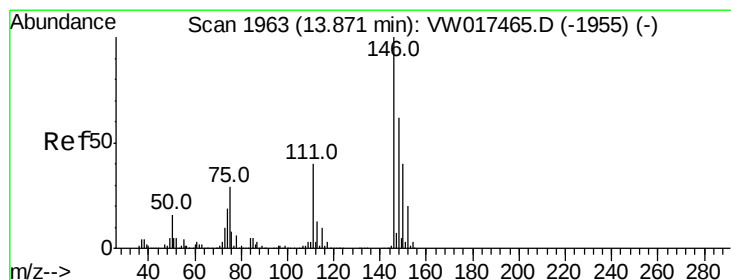
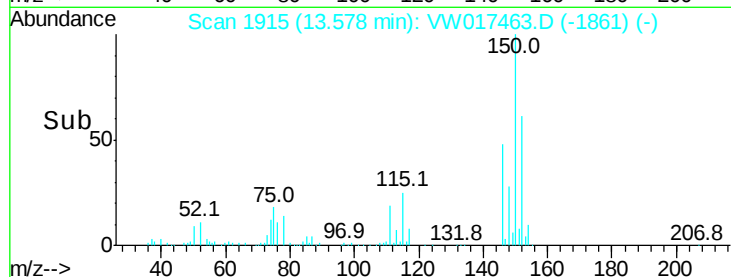
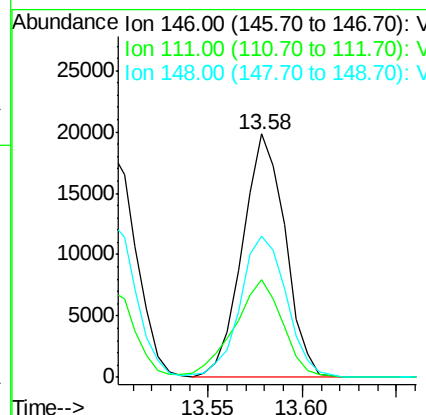
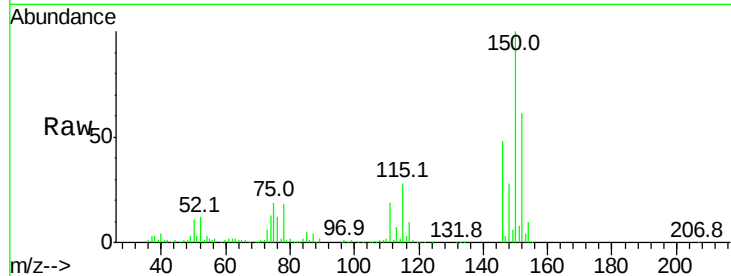




#64
 1,4-Dichlorobenzene
 Concen: 2.508 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017463.D
 Acq: 24 Nov 2020 09:37

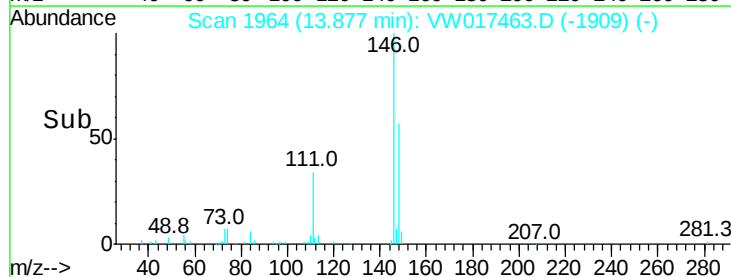
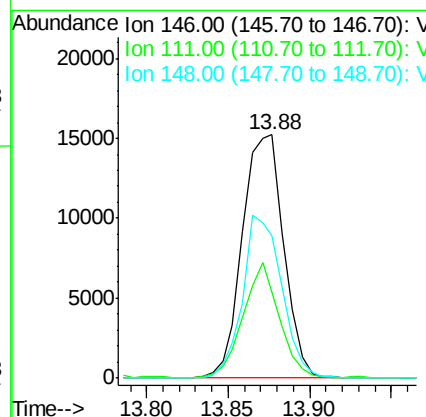
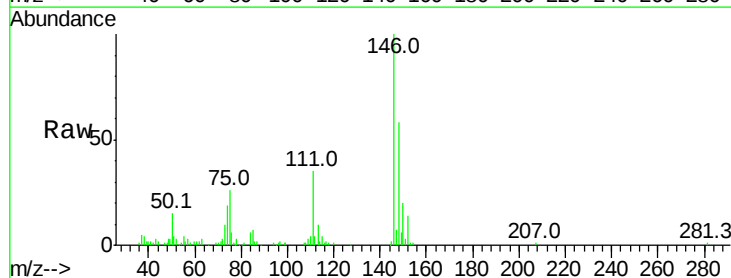
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

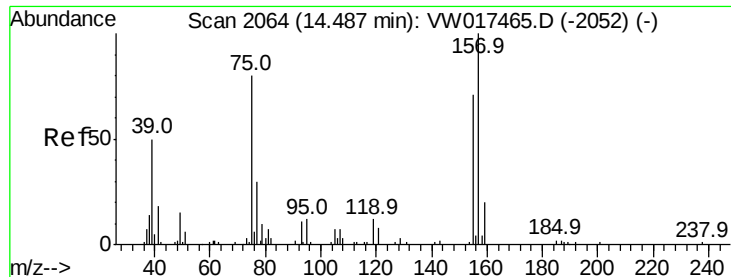
Tgt Ion:146 Resp: 31311
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.7 51.5
 148 58.0 47.0 87.2



#65
 1,2-Dichlorobenzene
 Concen: 2.418 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW017463.D
 Acq: 24 Nov 2020 09:37

Tgt Ion:146 Resp: 26909
 Ion Ratio Lower Upper
 146 100
 111 35.5 31.7 47.5
 148 58.3 49.3 73.9

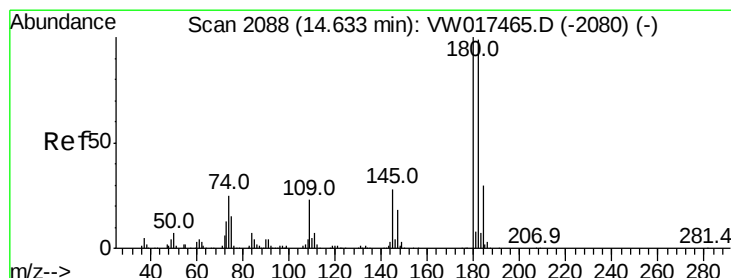
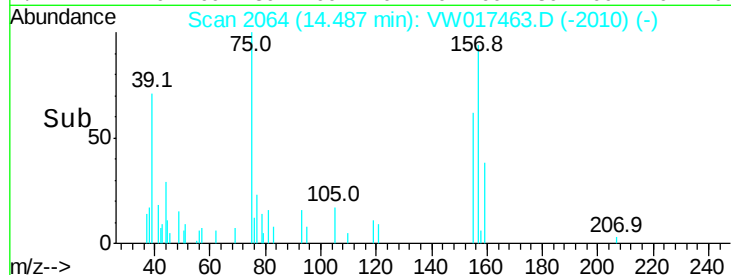
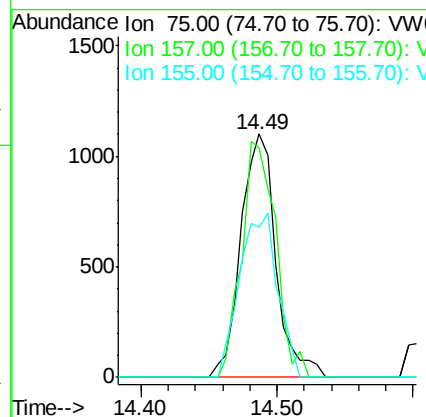
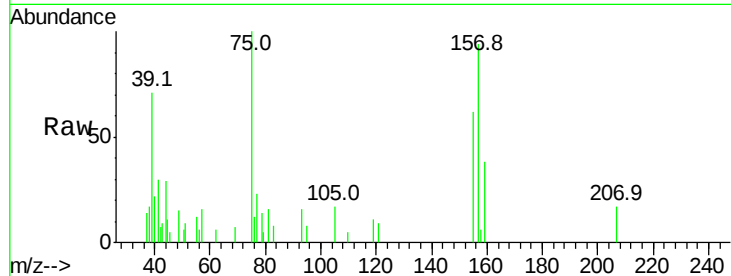




#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.033 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW017463.D
 Acq: 24 Nov 2020 09:37

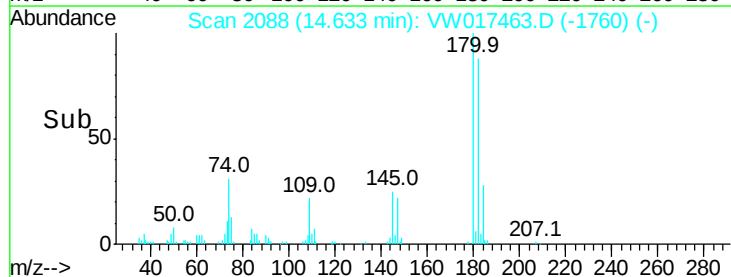
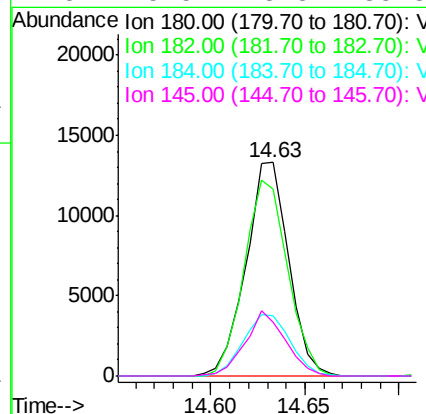
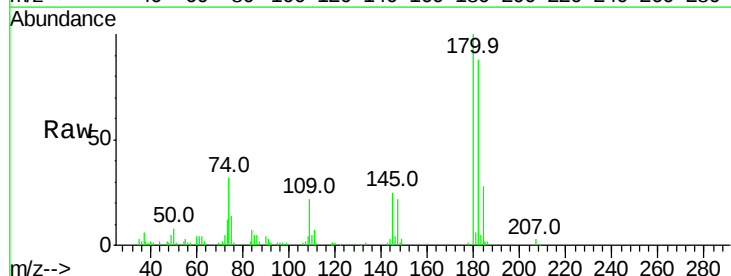
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

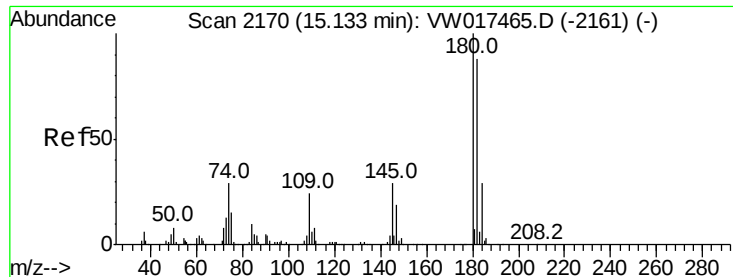
Tgt Ion: 75 Resp: 1980
 Ion Ratio Lower Upper
 75 100
 157 94.1 99.9 149.9#
 155 61.5 71.4 107.0#



#67
 1,3,5-Trichlorobenzene
 Concen: 2.248 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW017463.D
 Acq: 24 Nov 2020 09:37

Tgt Ion: 180 Resp: 20910
 Ion Ratio Lower Upper
 180 100
 182 93.8 77.0 115.6
 184 31.7 24.2 36.4
 145 28.5 23.5 35.3





#68

1,2,4-trichlorobenzene

Concen: 1.958 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

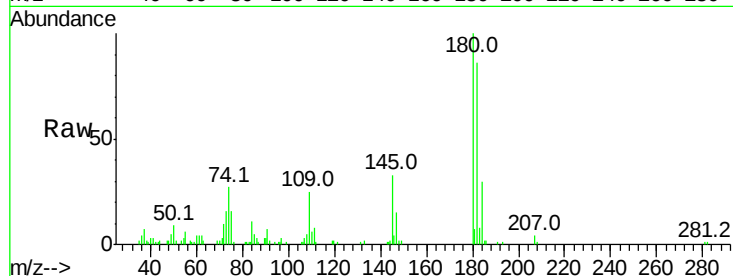
Tgt Ion:180 Resp: 16139

Ion Ratio Lower Upper

180 100

182 93.8 71.3 106.9

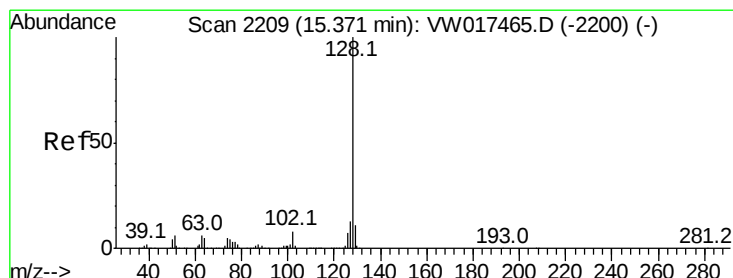
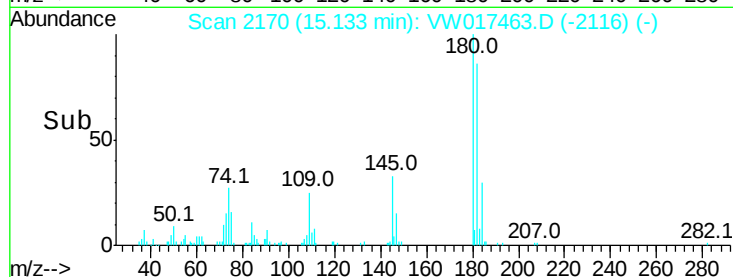
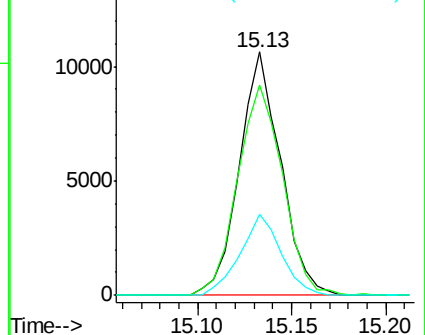
145 33.0 24.0 36.0



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: 2.012 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017463.D

Acq: 24 Nov 2020 09:37

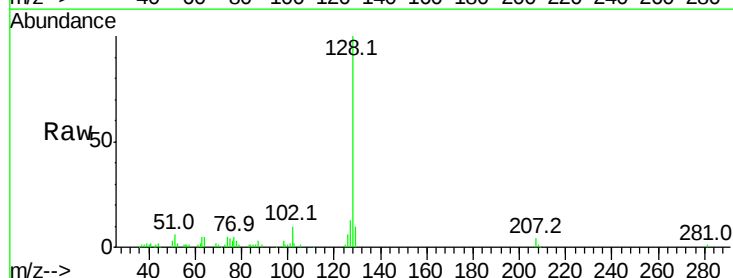
Tgt Ion:128 Resp: 25564

Ion Ratio Lower Upper

128 100

129 10.2 8.7 13.1

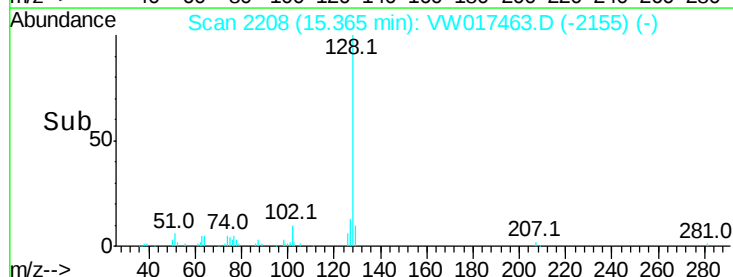
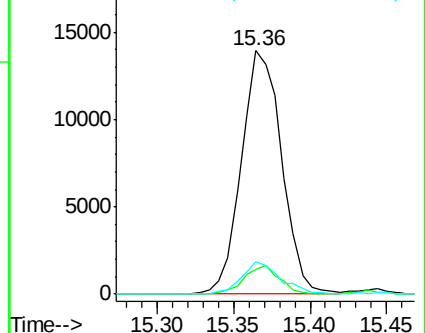
127 12.7 10.7 16.1

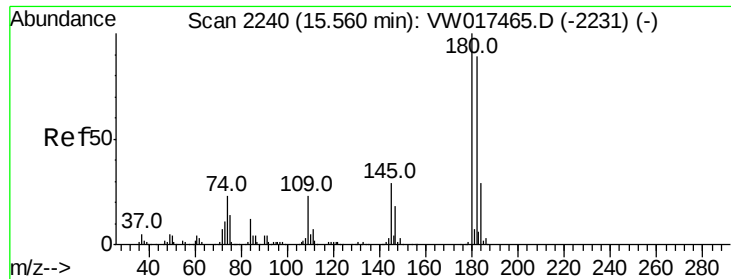


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 1.926 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: VW017463.D
 Acq: 24 Nov 2020 09:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	74.7	112.1
145	33.0	25.4	38.0

