

Data File : VW017466.D
Acq On : 24 Nov 2020 11:03
Operator : SY/VA
Sample : VSTD05009
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05003

Quant Time: Nov 24 11:43:37 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	8.84	114	421219	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	376717	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	198475	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	266554	42.22	ug/L	0.00
7) Chloroethane-d5	2.89	69	201029	41.60	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	570591	54.02	ug/L	0.00
20) 2-Butanone-d5	7.08	46	108553	99.64	ug/L	0.00
24) Chloroform-d	7.65	84	534388	49.78	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	260033	47.99	ug/L	0.00
29) Benzene-d6	8.27	84	1033570	48.61	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	289817	46.55	ug/L	0.00
37) Toluene-d8	10.32	98	963285	43.78	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	133779	46.41	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	82235	81.61	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	209885	41.45	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	324208	42.92	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	187047	46.807 ug/L	99
3) Chloromethane	2.22	50	198170	46.248 ug/L	98
5) Vinyl chloride	2.37	62	261375	44.230 ug/L	100
6) Bromomethane	2.78	94	171154	38.989 ug/L	98
8) Chloroethane	2.93	64	163998	44.237 ug/L	100
9) Trichlorofluoromethane	3.26	101	287453	53.589 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	288650	52.478 ug/L	# 68
12) 1,1-Dichloroethene	4.04	96	286150	54.602 ug/L	93
13) Acetone	4.14	43	109971	140.384 ug/L	94
14) Carbon disulfide	4.39	76	815910	54.475 ug/L	98
15) Methyl Acetate	4.68	43	97139	56.652 ug/L	98
16) Methylene chloride	4.92	84	265372	33.184 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	305091	48.778 ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	289190	51.732 ug/L	97
19) 1,1-Dichloroethane	6.21	63	484430	55.870 ug/L	99
21) 2-Butanone	7.17	43	137729	118.677 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	305123	52.439 ug/L	98
23) Bromochloromethane	7.52	128	133315	48.493 ug/L	92
25) Chloroform	7.68	83	506839	52.047 ug/L	100
27) 1,2-Dichloroethane	8.40	62	307074	50.811 ug/L	99
30) Cyclohexane	7.96	56	454478	62.892 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	434935	50.660 ug/L	99
32) Carbon tetrachloride	8.07	117	426422	50.601 ug/L	97
34) Benzene	8.32	78	1099788	52.404 ug/L	100
35) Trichloroethene	9.09	95	305478	47.734 ug/L	99
36) Methylcyclohexane	9.34	83	518946	49.583 ug/L	99
40) 1,2-Dichloropropane	9.37	63	255577	48.522 ug/L	100
41) Bromodichloromethane	9.65	83	358184	48.709 ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	419191	49.848 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	240097	93.381 ug/L	98

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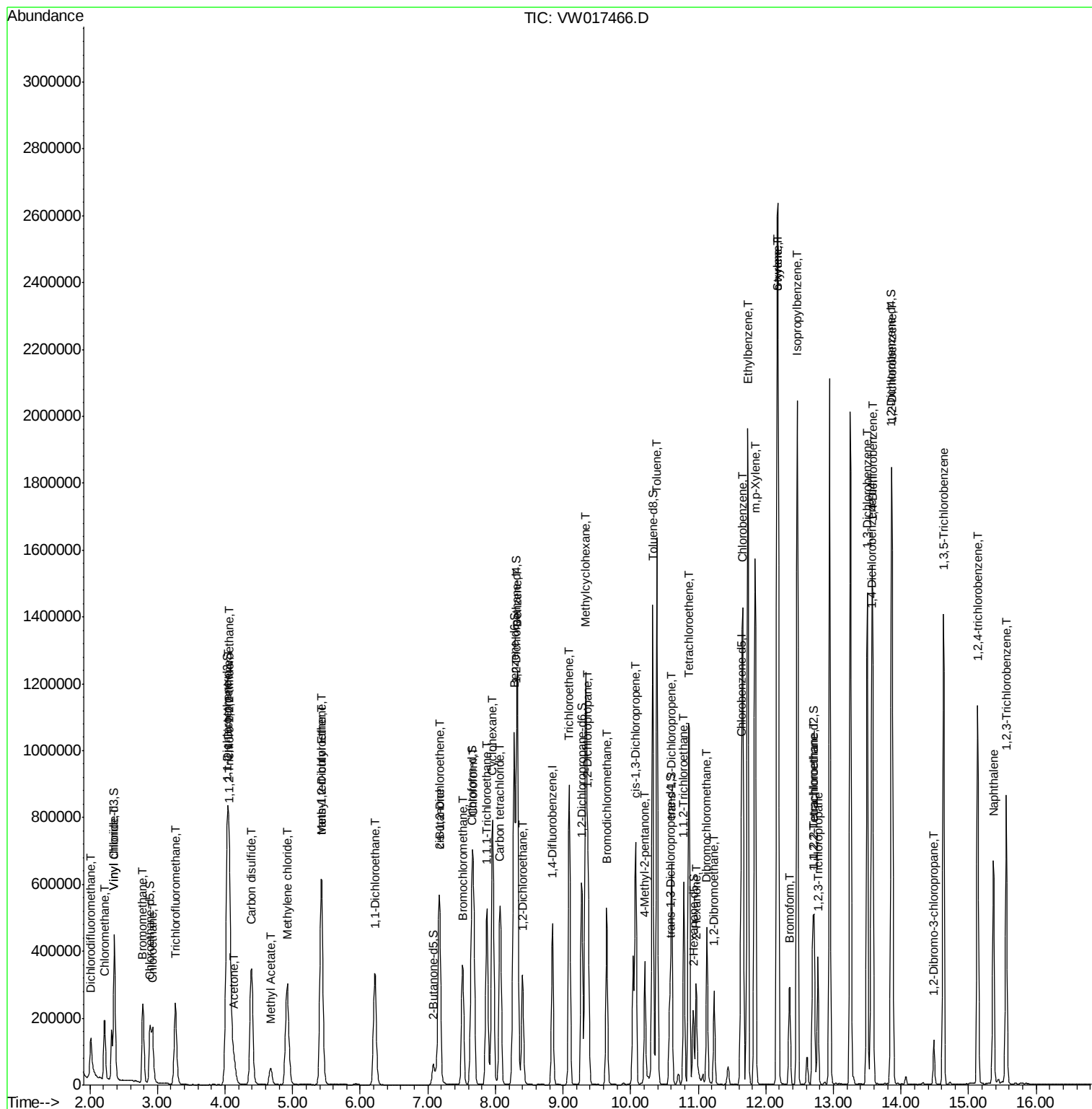
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1188348	46.578	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	362870	49.828	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	194338	43.097	ug/L	99
47) Tetrachloroethene	10.87	164	257164	41.874	ug/L	97
49) 2-Hexanone	10.97	43	199576	111.635	ug/L	91
50) Dibromochloromethane	11.13	129	246006	44.625	ug/L	98
51) 1,2-Dibromoethane	11.24	107	187376	45.322	ug/L	100
52) Chlorobenzene	11.66	112	756286	45.762	ug/L	97
53) Ethylbenzene	11.73	91	1365552	49.313	ug/L	97
54) m,p-Xylene	11.84	106	525897	48.531	ug/L	98
55) o-xylene	12.16	106	487608	46.371	ug/L	98
56) Styrene	12.18	104	840441	46.950	ug/L	98
57) Isopropylbenzene	12.46	105	1356982	46.333	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	212595	44.006	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	154858	44.839	ug/L	98
62) Bromoform	12.35	173	137198	45.300	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	614152	46.968	ug/L	90
64) 1,4-Dichlorobenzene	13.58	146	597668	45.430	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	530684	45.246	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	33323	48.442	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	444854	45.379	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	369538	42.533	ug/L	96
69) Naphthalene	15.36	128	576385	43.036	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	295381	38.284	ug/L	96

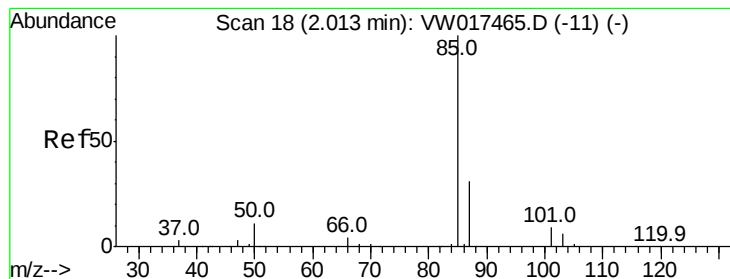
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.807 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017466.D

Acq: 24 Nov 2020 11:03

Instrument :

MSVOA_W

ClientSampleId :

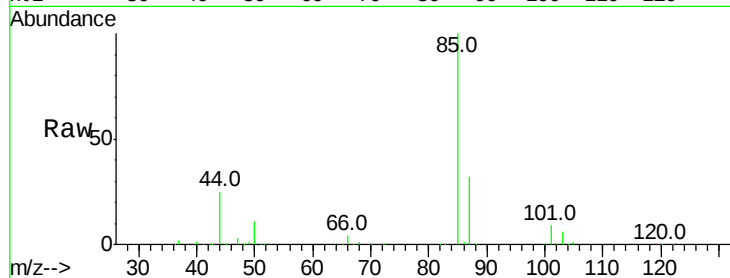
VSTD05003

Tgt Ion: 85 Resp: 187047

Ion Ratio Lower Upper

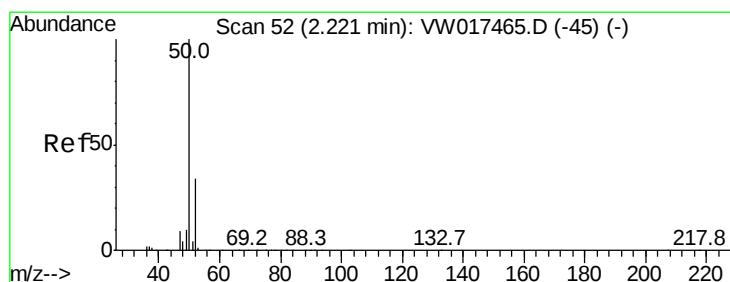
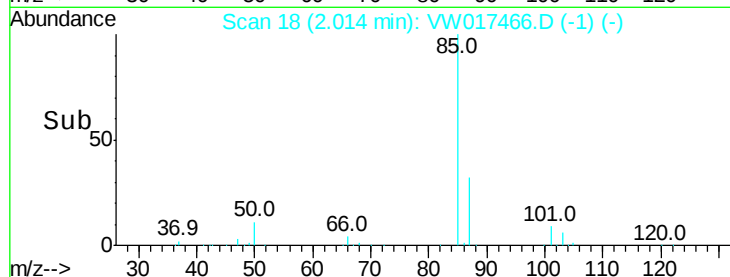
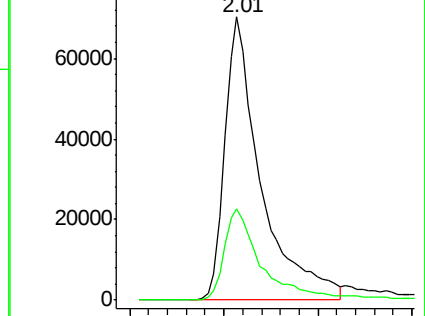
85 100

87 32.4 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 46.248 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW017466.D

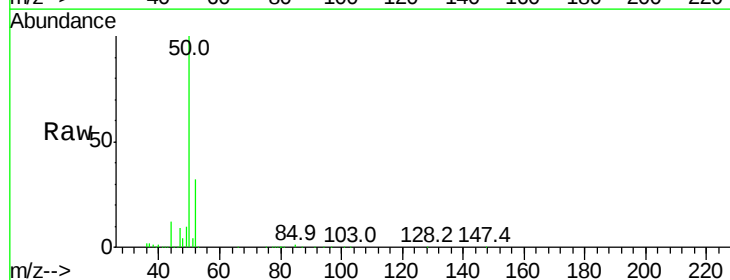
Acq: 24 Nov 2020 11:03

Tgt Ion: 50 Resp: 198170

Ion Ratio Lower Upper

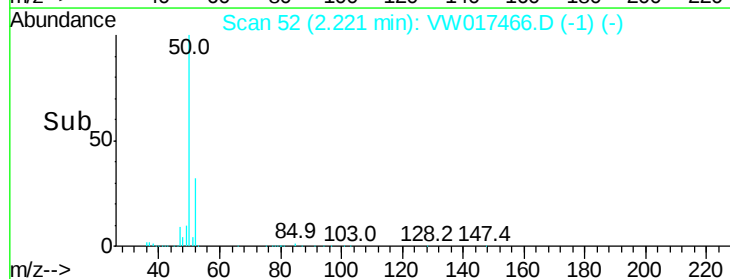
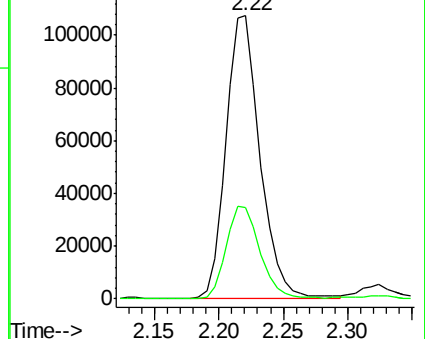
50 100

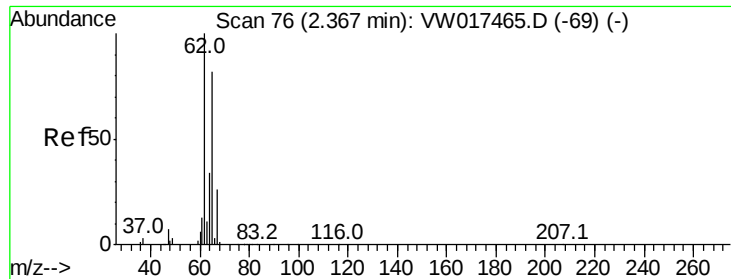
52 32.1 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 44.230 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017466.D

Acq: 24 Nov 2020 11:03

Instrument :

MSVOA_W

ClientSampleId :

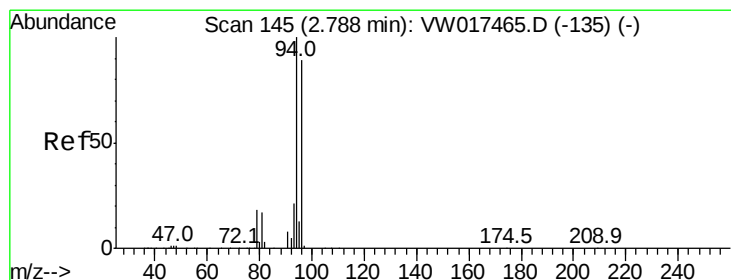
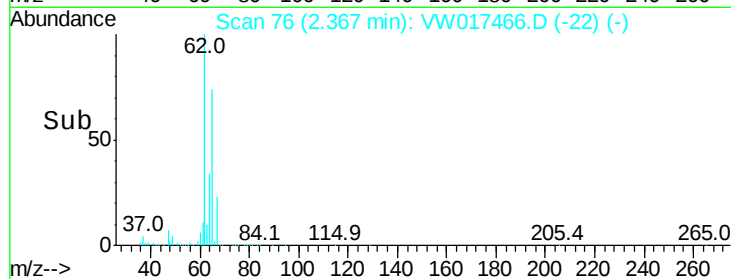
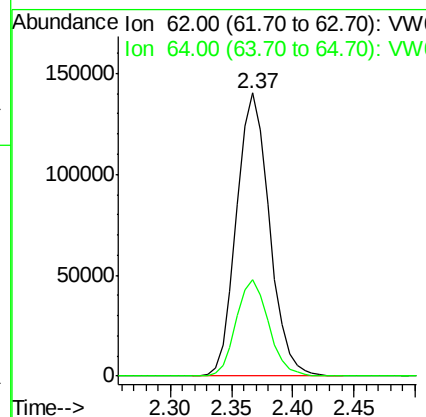
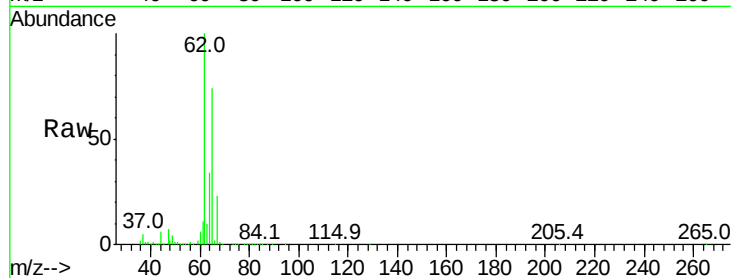
VSTD05003

Tgt Ion: 62 Resp: 261375

Ion Ratio Lower Upper

62 100

64 34.1 23.9 44.5



#6

Bromomethane

Concen: 38.989 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW017466.D

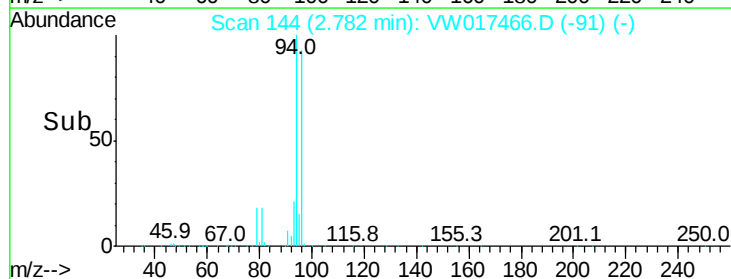
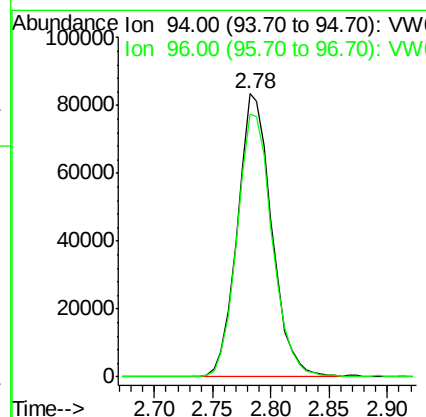
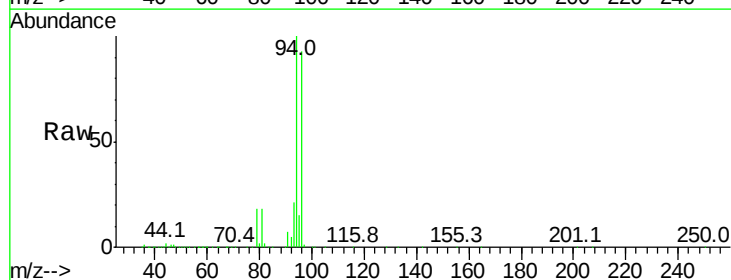
Acq: 24 Nov 2020 11:03

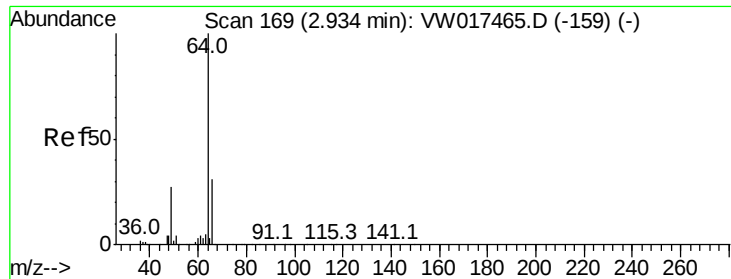
Tgt Ion: 94 Resp: 171154

Ion Ratio Lower Upper

94 100

96 95.3 9.4 178.0

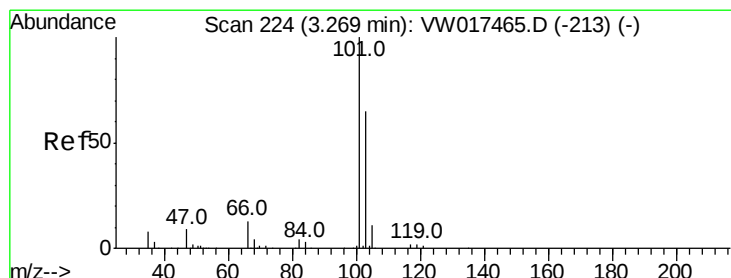
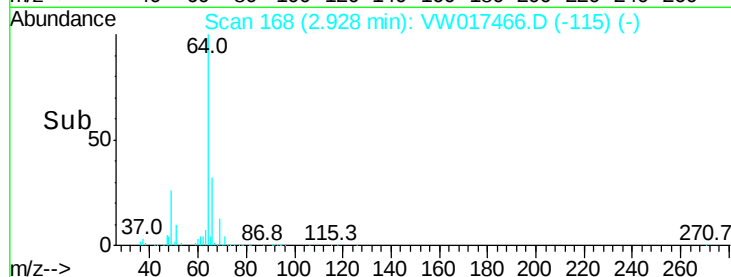
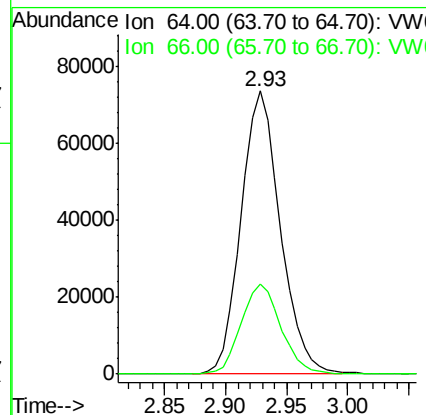
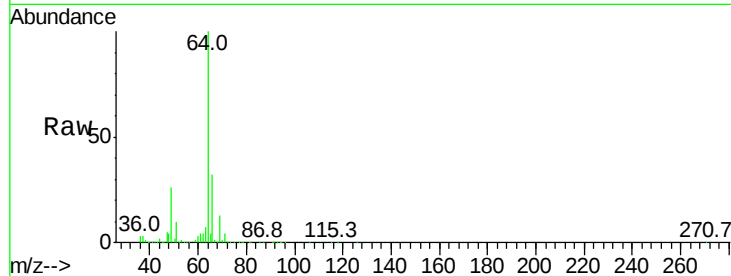




#8
Chloroethane
Concen: 44.237 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.01 min
Lab File: VW017466.D
Acq: 24 Nov 2020 11:03

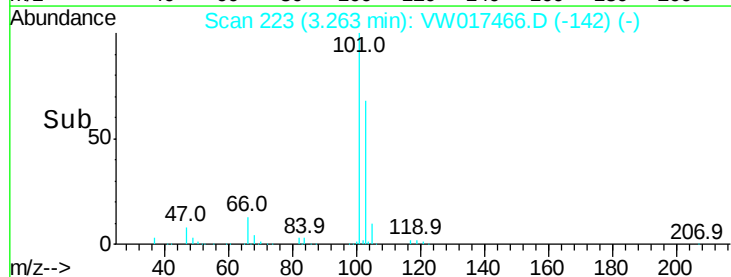
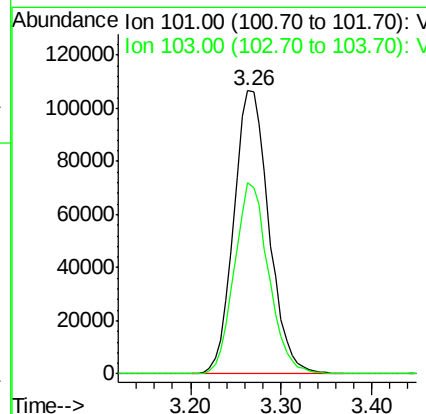
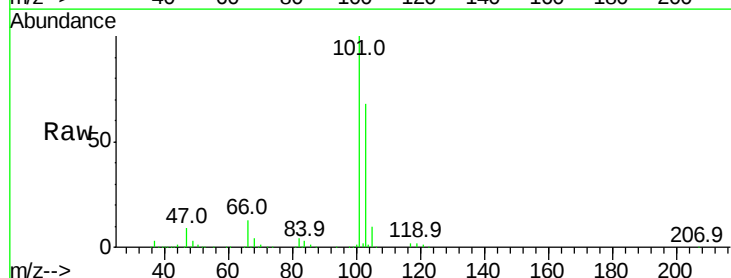
Instrument :
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VSTD05003

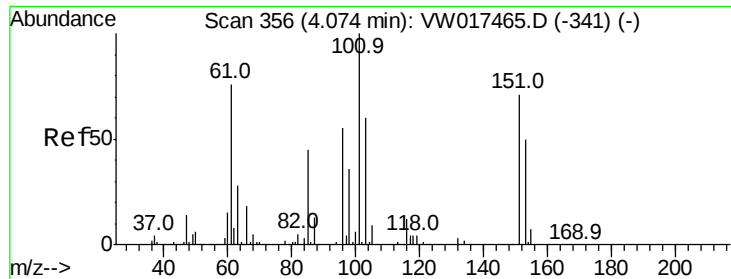
Tgt Ion: 64 Resp: 163998
Ion Ratio Lower Upper
64 100
66 31.6 22.0 41.0



#9
Trichlorofluoromethane
Concen: 53.589 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.01 min
Lab File: VW017466.D
Acq: 24 Nov 2020 11:03

Tgt Ion: 101 Resp: 287453
Ion Ratio Lower Upper
101 100
103 65.7 45.0 83.6





#11

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

Concen: 52.478 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017466.D

Acq: 24 Nov 2020 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

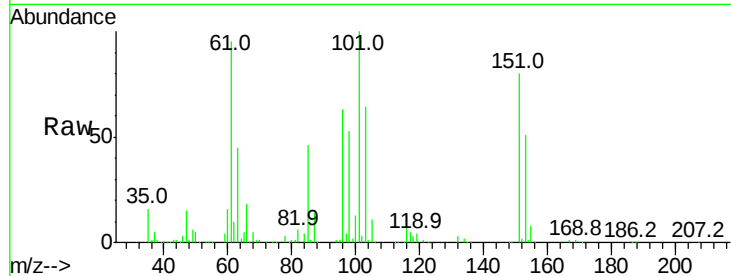
Tgt Ion:101 Resp: 288650

Ion Ratio Lower Upper

101 100

85 42.9 34.2 51.4

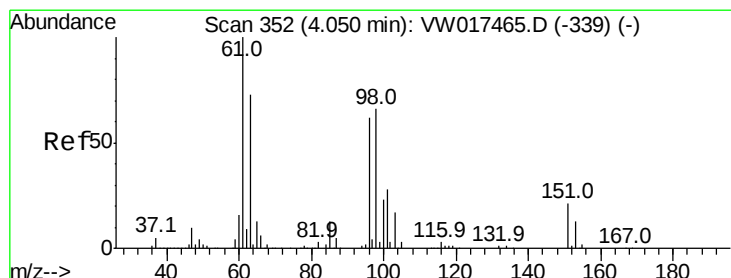
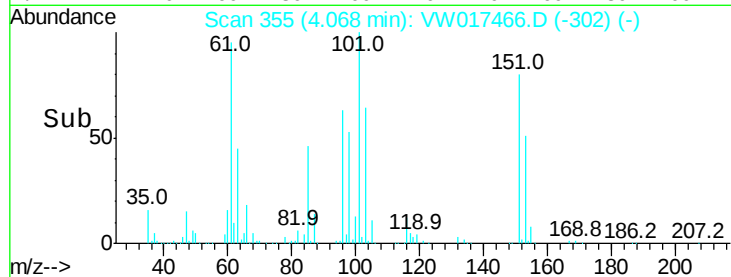
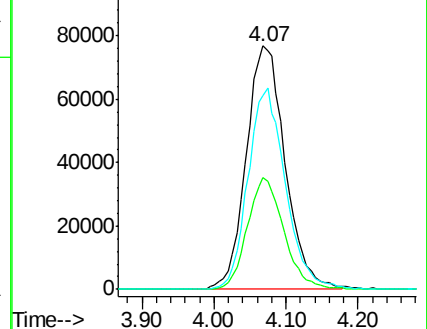
151 79.4 30.4 45.6#



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: 54.602 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW017466.D

Acq: 24 Nov 2020 11:03

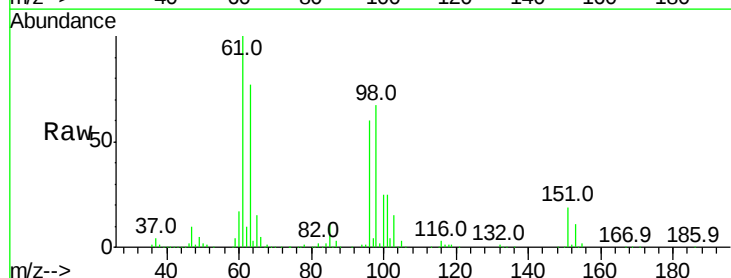
Tgt Ion: 96 Resp: 286150

Ion Ratio Lower Upper

96 100

61 167.6 112.5 208.9

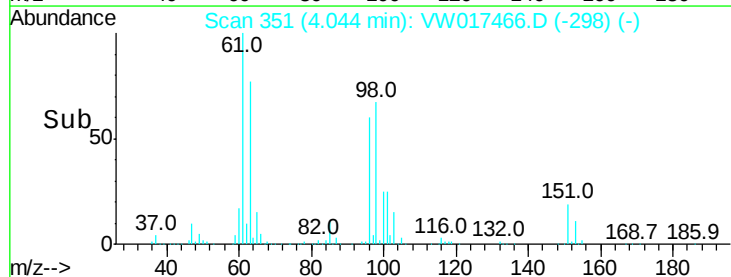
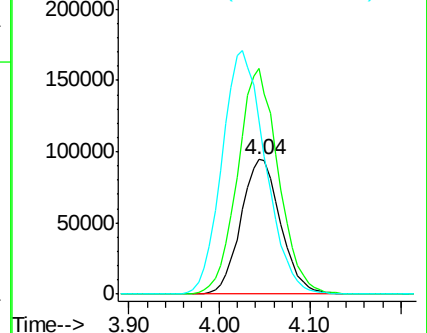
63 128.9 83.1 154.3

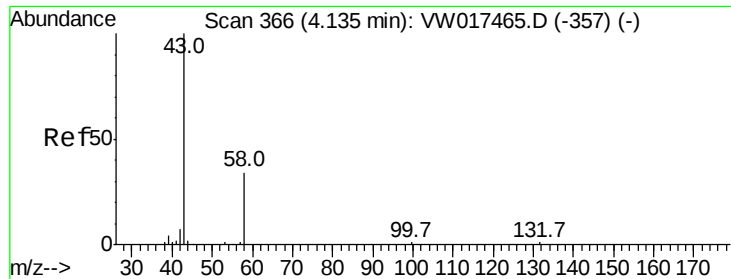


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 140.384 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.00 min

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Acq: 24 Nov 2020 11:03

Instrument :

MSVOA_W

ClientSampleId :

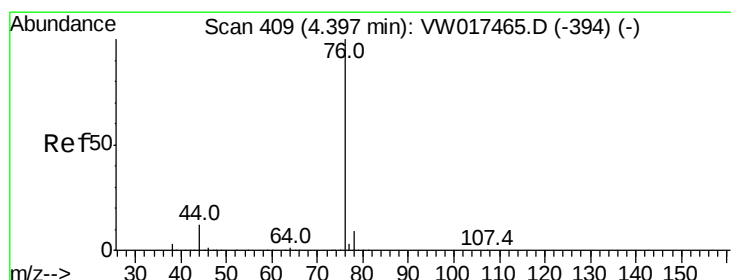
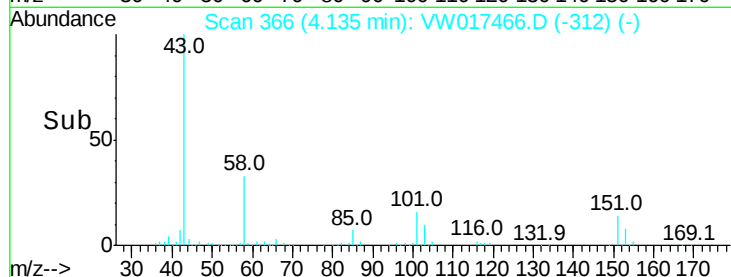
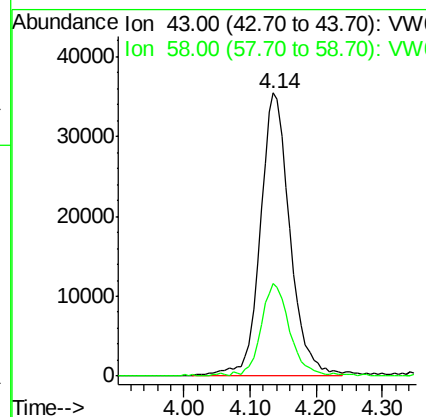
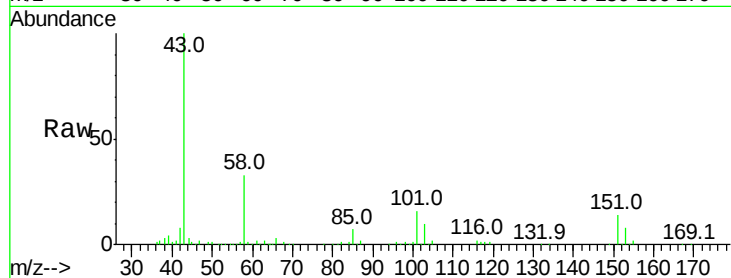
VSTD05003

Tgt Ion: 43 Resp: 109971

Ion Ratio Lower Upper

43 100

58 31.0 0.0 68.4



#14

Carbon disulfide

Concen: 54.475 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.01 min

Lab File: VW017466.D

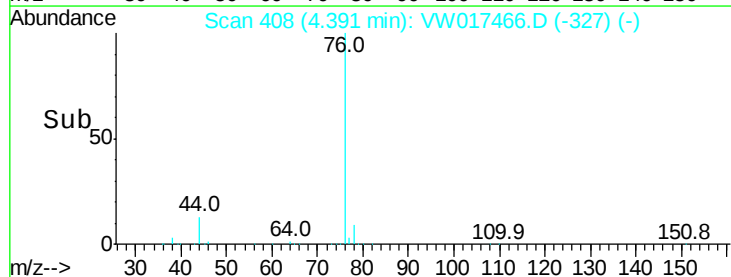
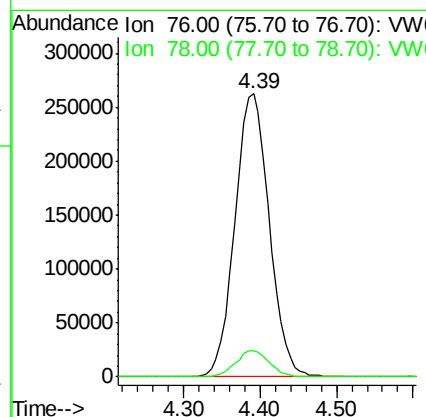
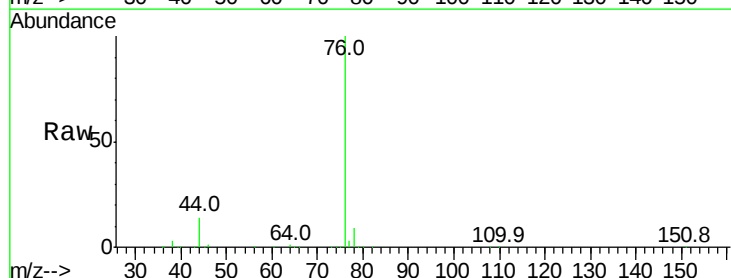
Acq: 24 Nov 2020 11:03

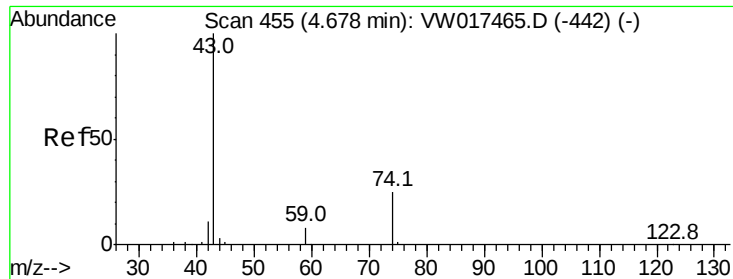
Tgt Ion: 76 Resp: 815910

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4

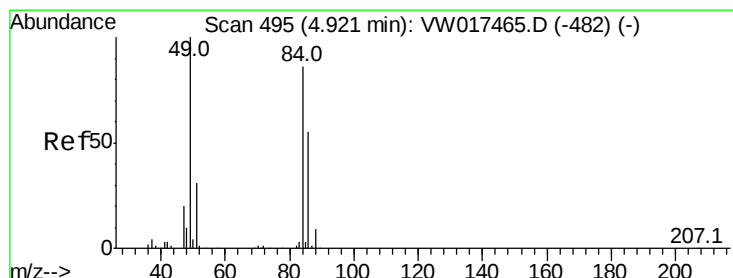
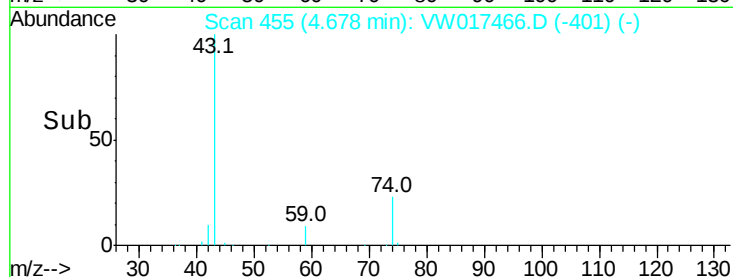
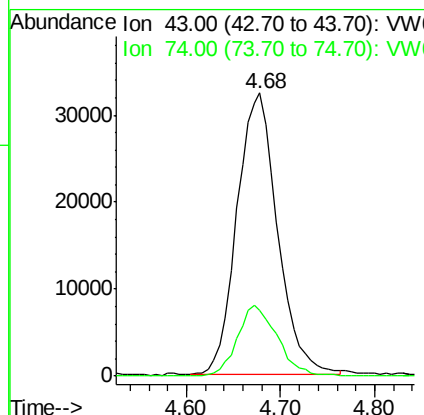
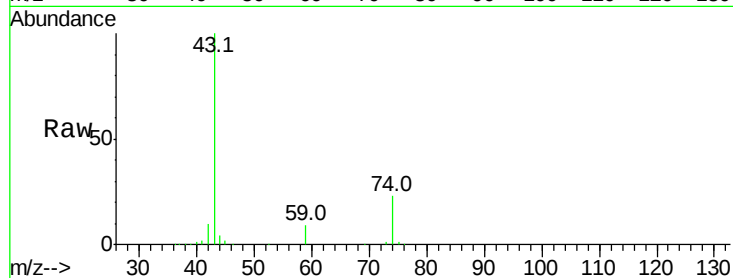




#15
Methyl Acetate
Concen: 56.652 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW017466.D
Acq: 24 Nov 2020 11:03

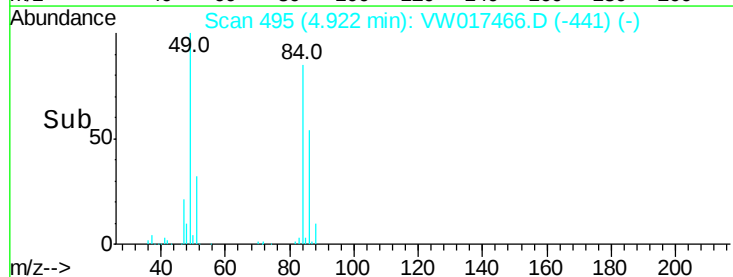
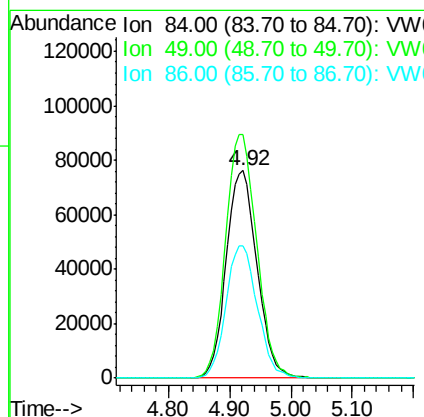
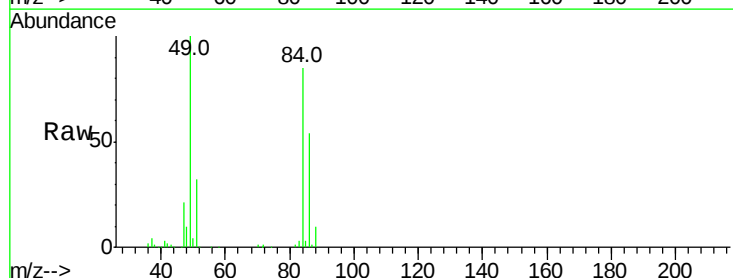
Instrument :
MSVOA_W
ClientSampleId :
VSTD05003

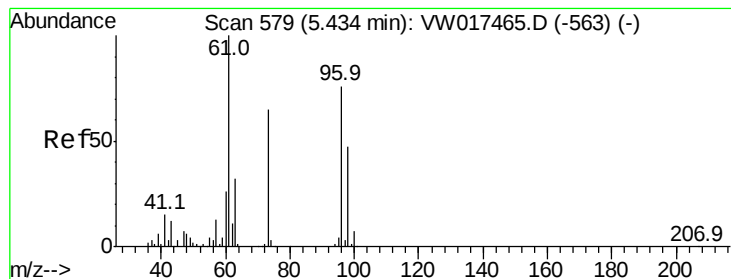
Tgt Ion: 43 Resp: 97139
Ion Ratio Lower Upper
43 100
74 25.0 20.7 31.1



#16
Methylene chloride
Concen: 33.184 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW017466.D
Acq: 24 Nov 2020 11:03

Tgt Ion: 84 Resp: 265372
Ion Ratio Lower Upper
84 100
49 117.2 81.2 150.8
86 63.5 44.5 82.7





#17

Methyl tert-butyl Ether

Concen: 48.778 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW017466.D

Acq: 24 Nov 2020 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

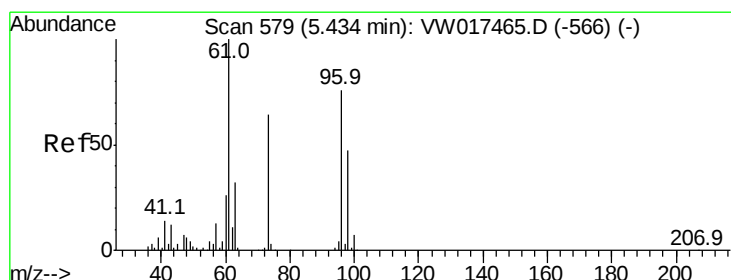
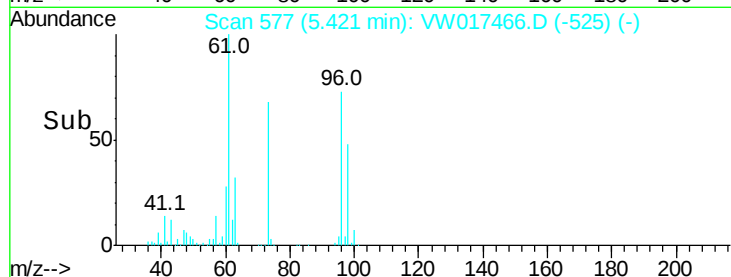
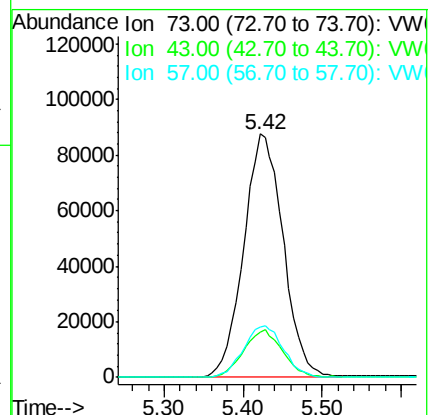
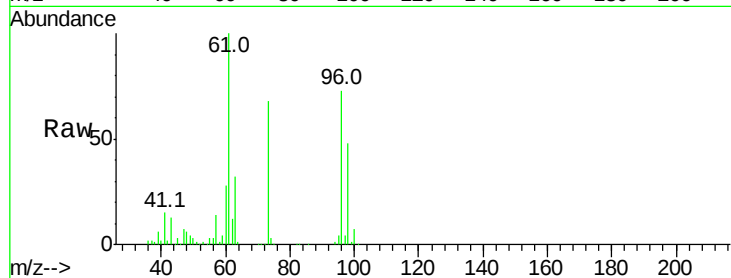
Tgt Ion: 73 Resp: 305091

Ion Ratio Lower Upper

73 100

43 19.1 16.2 24.4

57 21.3 17.2 25.8



#18

trans-1,2-Dichloroethene

Concen: 51.732 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW017466.D

Acq: 24 Nov 2020 11:03

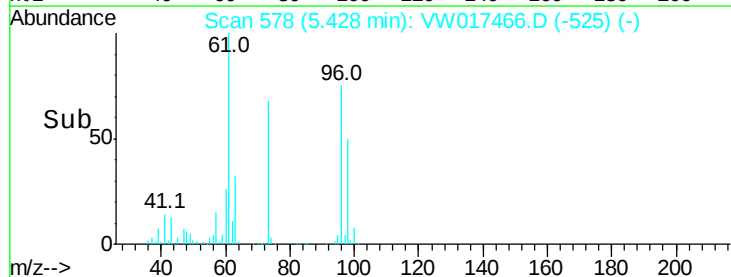
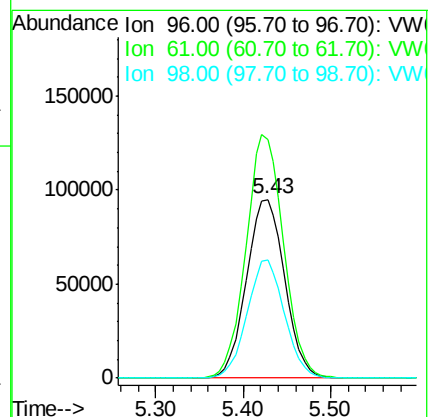
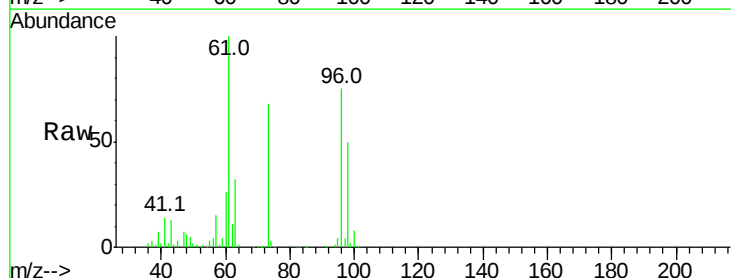
Tgt Ion: 96 Resp: 289190

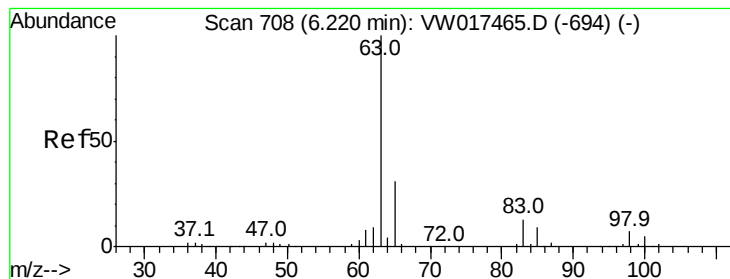
Ion Ratio Lower Upper

96 100

61 134.0 92.7 172.1

98 66.4 43.3 80.3





#19

1,1-Dichloroethane

Concen: 55.870 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW017466.D

Acq: 24 Nov 2020 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

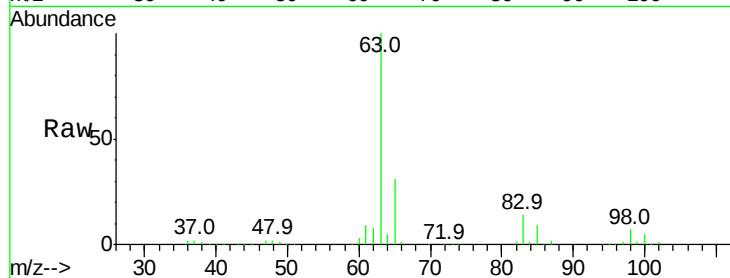
Tgt Ion: 63 Resp: 484430

Ion Ratio Lower Upper

63 100

65 31.5 21.9 40.7

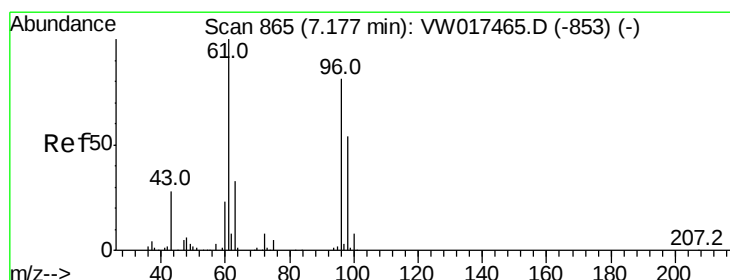
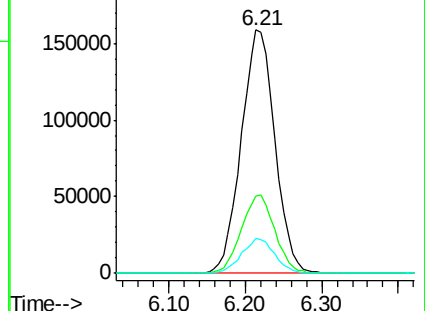
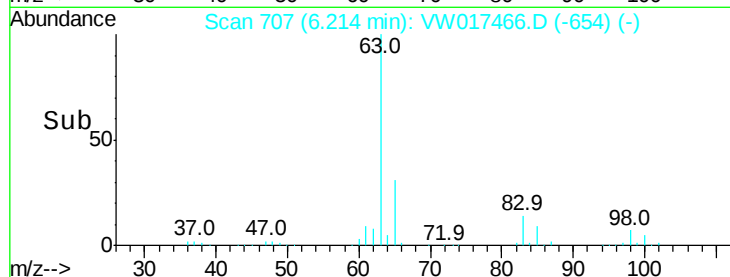
83 14.2 9.4 17.6



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: 118.677 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW017466.D

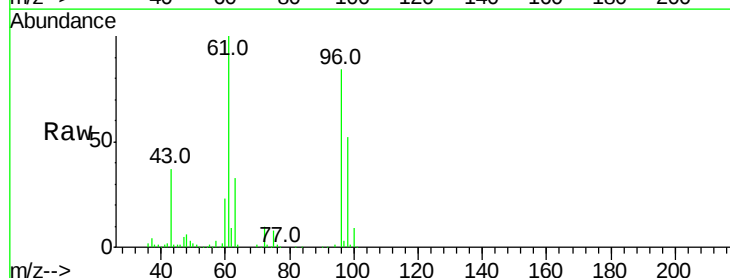
Acq: 24 Nov 2020 11:03

Tgt Ion: 43 Resp: 137729

Ion Ratio Lower Upper

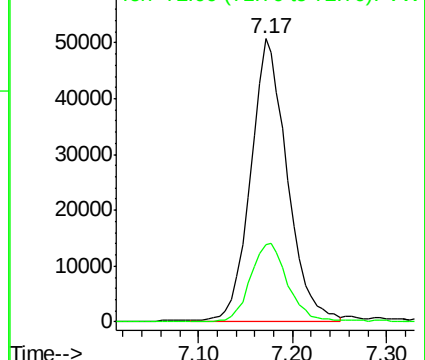
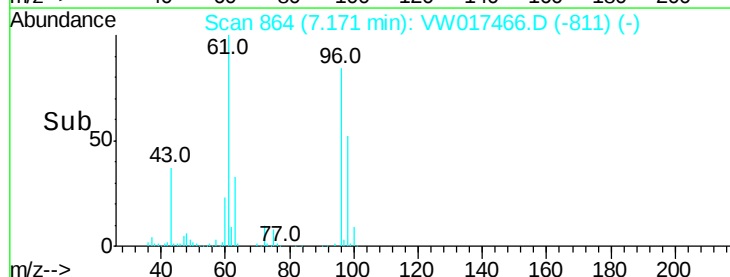
43 100

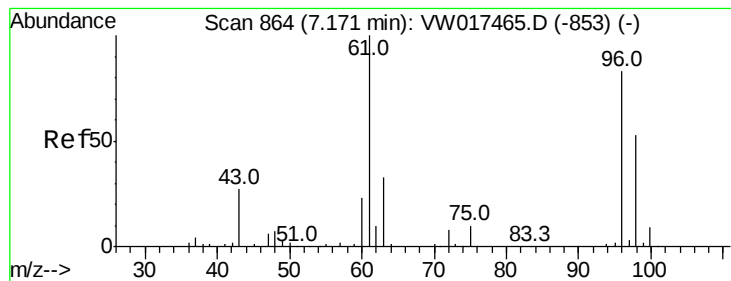
72 28.4 14.4 43.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



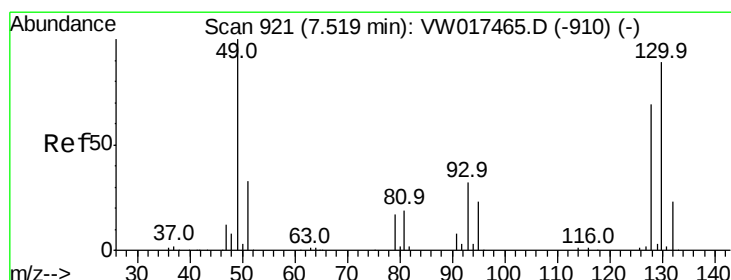
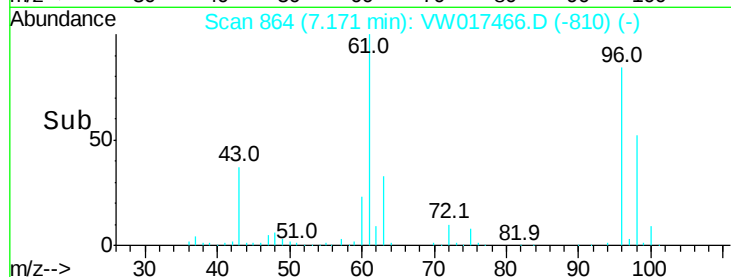
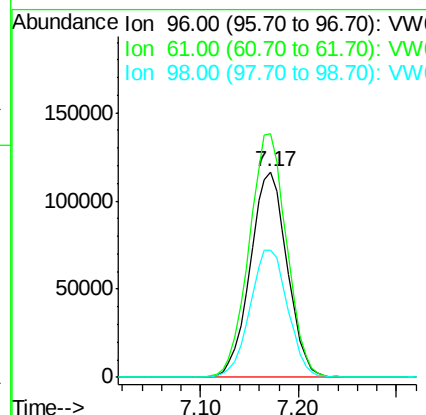
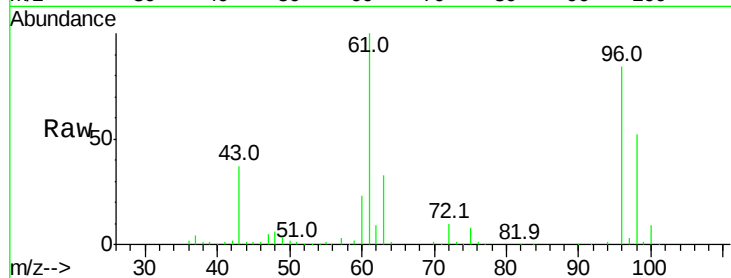


#22

cis-1,2-Dichloroethene
 Concen: 52.439 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW017466.D
 Acq: 24 Nov 2020 11:03

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05003

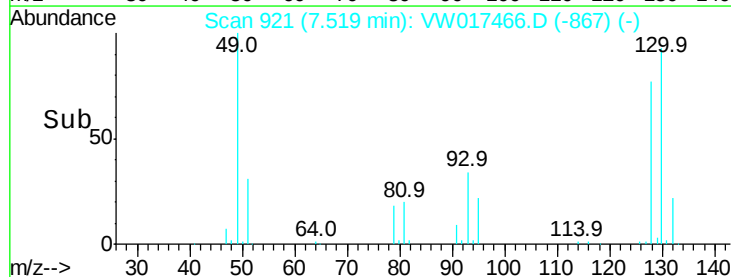
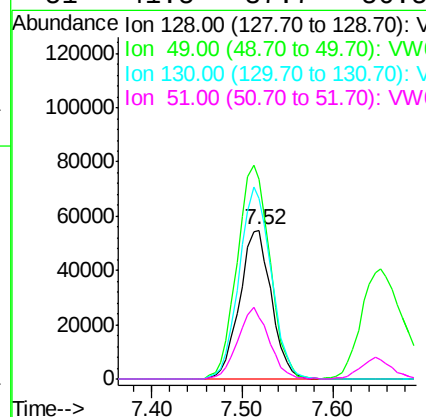
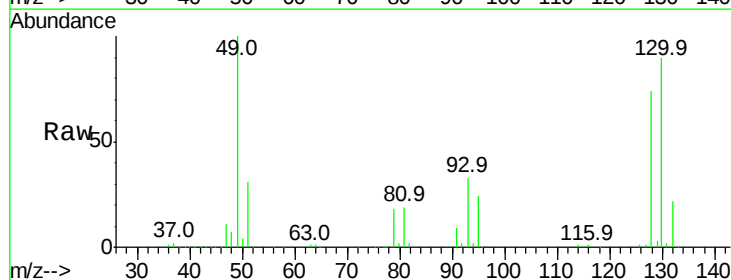
Tgt Ion: 96 Resp: 305123
 Ion Ratio Lower Upper
 96 100
 61 118.5 84.6 157.2
 98 62.1 44.7 82.9

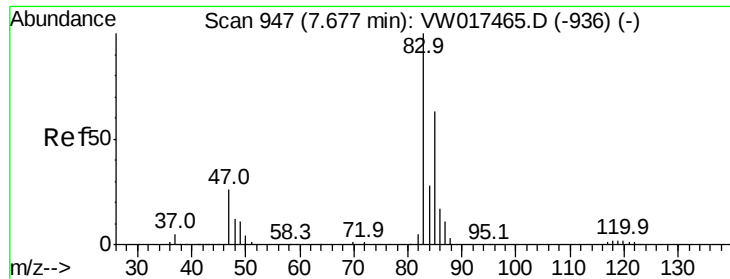


#23

Bromochloromethane
 Concen: 48.493 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW017466.D
 Acq: 24 Nov 2020 11:03

Tgt Ion: 128 Resp: 133315
 Ion Ratio Lower Upper
 128 100
 49 134.3 101.6 188.6
 130 121.3 90.4 167.8
 51 41.5 37.7 56.5

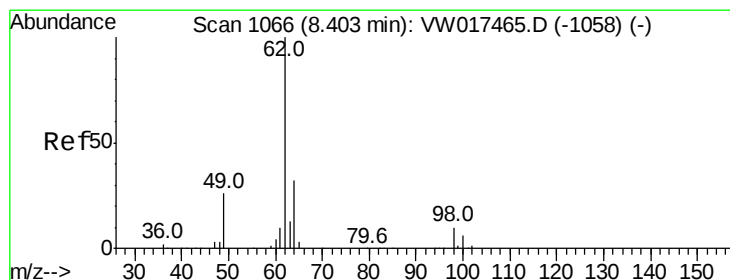
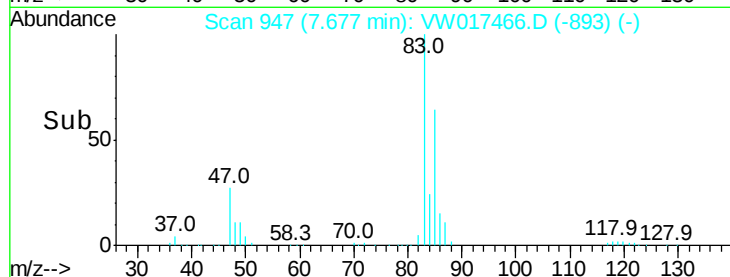
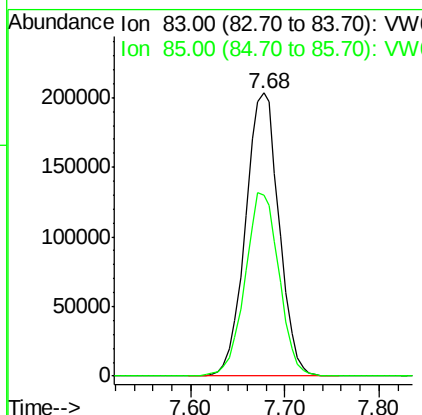
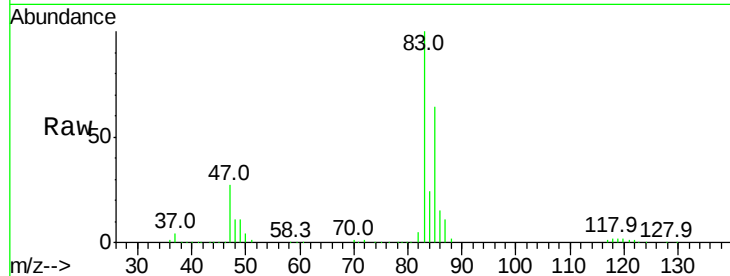




#25
Chloroform
Concen: 52.047 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW017466.D
Acq: 24 Nov 2020 11:03

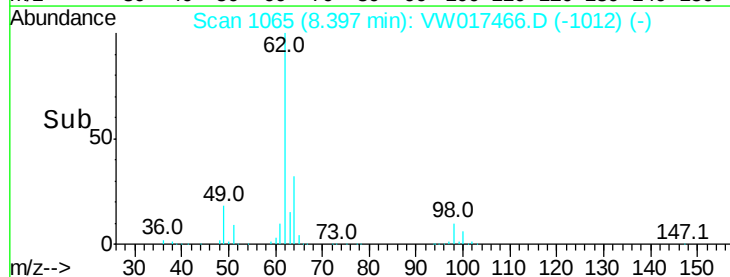
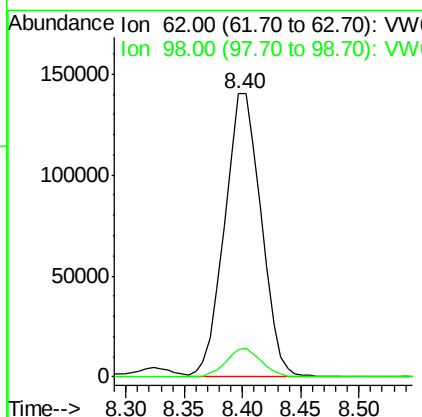
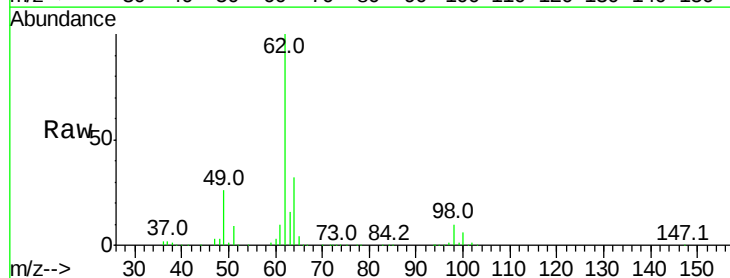
Instrument :
MSVOA_W
ClientSampleId :
VSTD05003

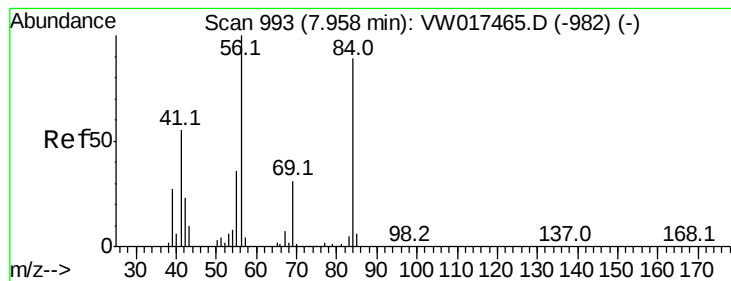
Tgt Ion: 83 Resp: 506839
Ion Ratio Lower Upper
83 100
85 65.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 50.811 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW017466.D
Acq: 24 Nov 2020 11:03

Tgt Ion: 62 Resp: 307074
Ion Ratio Lower Upper
62 100
98 9.7 8.0 12.0





#30

Cyclohexane

Concen: 62.892 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW017466.D

Acq: 24 Nov 2020 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

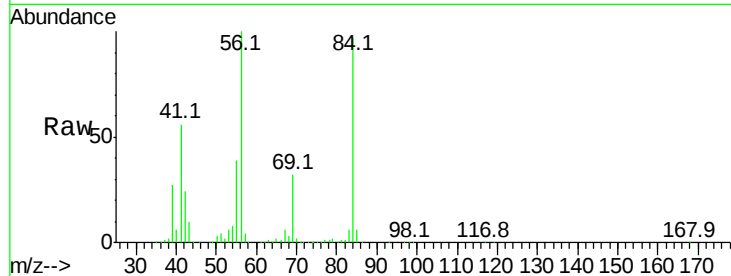
Tgt Ion: 56 Resp: 454478

Ion Ratio Lower Upper

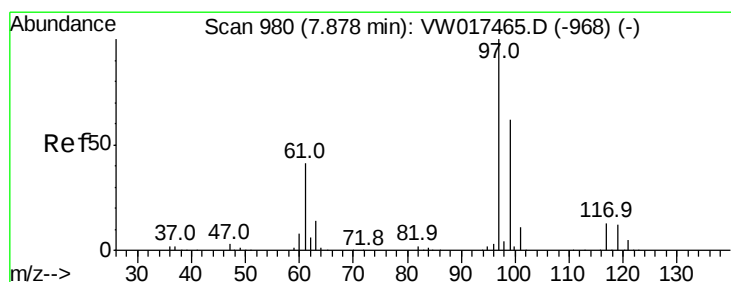
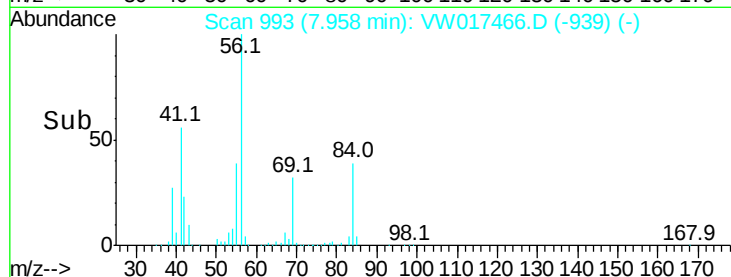
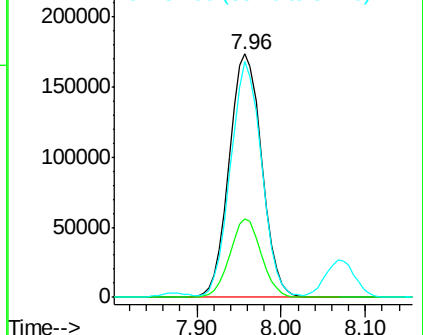
56 100

69 31.2 24.8 37.2

84 92.9 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



#31

1,1,1-Trichloroethane

Concen: 50.660 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW017466.D

Acq: 24 Nov 2020 11:03

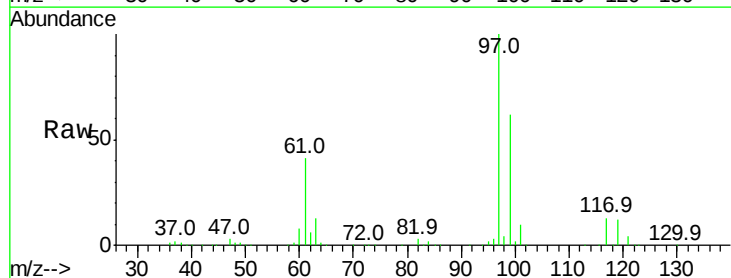
Tgt Ion: 97 Resp: 434935

Ion Ratio Lower Upper

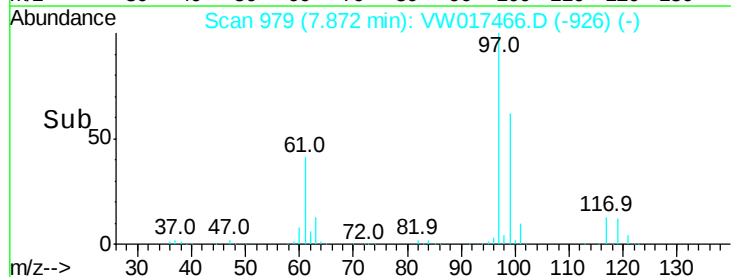
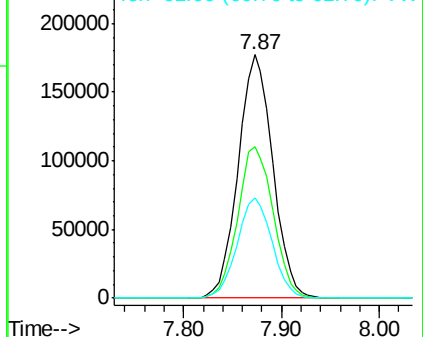
97 100

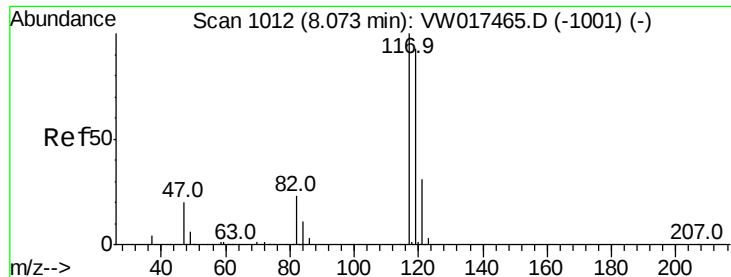
99 64.1 51.0 76.4

61 41.5 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: 50.601 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW017466.D

Acq: 24 Nov 2020 11:03

Instrument :

MSVOA_W

ClientSampleId :

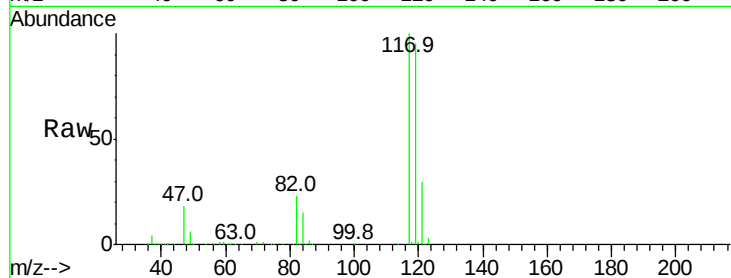
VSTD05003

Tgt Ion:117 Resp: 426422

Ion Ratio Lower Upper

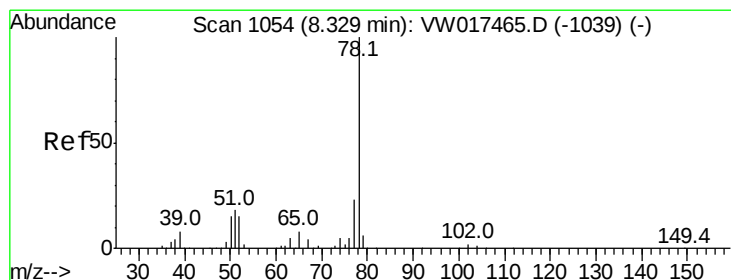
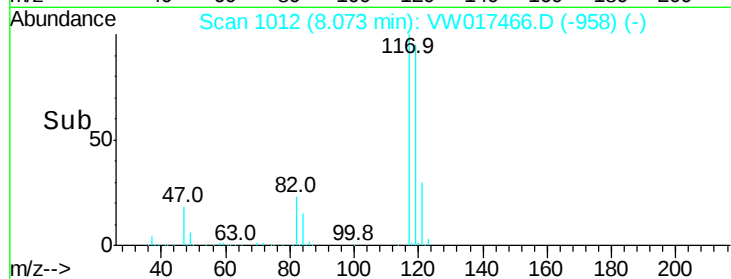
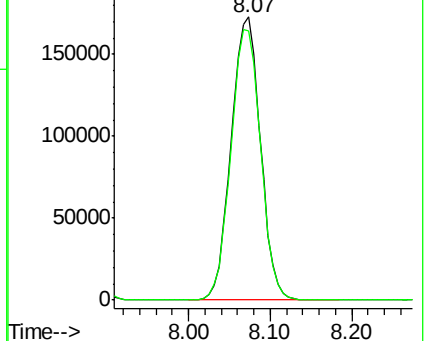
117 100

119 97.3 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: 52.404 ug/L

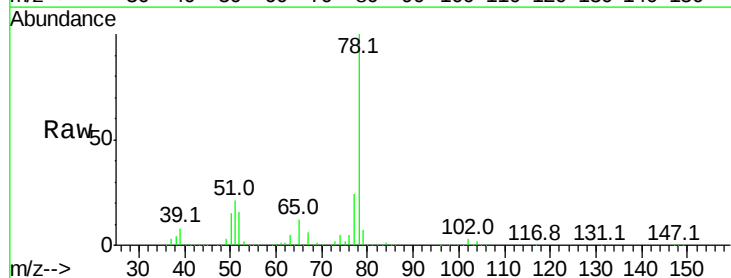
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

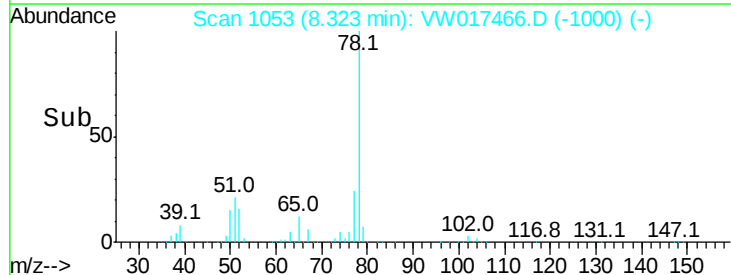
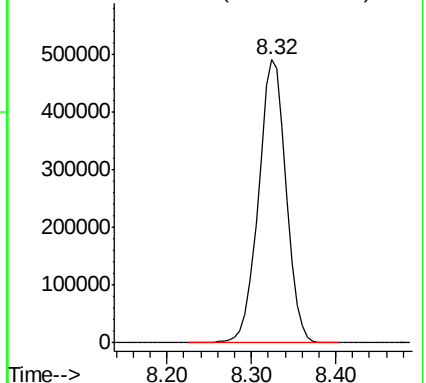
Lab File: VW017466.D

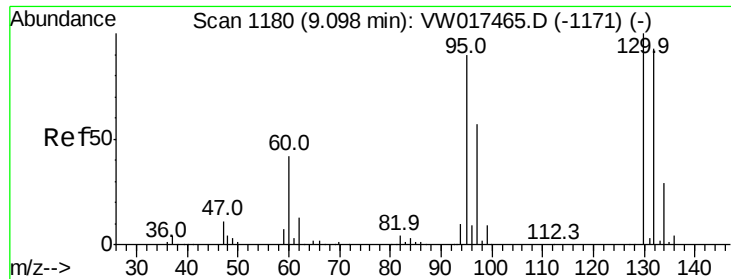
Acq: 24 Nov 2020 11:03

Tgt Ion: 78 Resp: 1099788



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 47.734 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW017466.D

Acq: 24 Nov 2020 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

Tgt Ion: 95 Resp: 305478

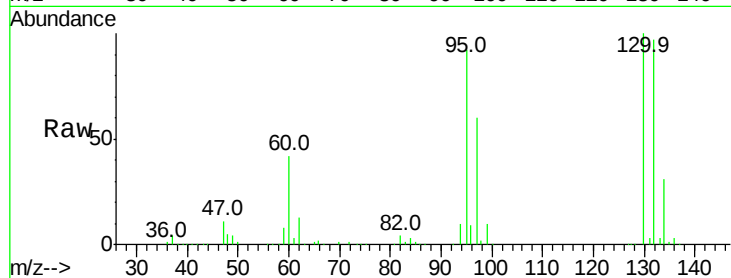
Ion Ratio Lower Upper

95 100

97 64.7 45.0 83.6

132 101.9 71.0 131.8

130 106.8 75.6 140.4



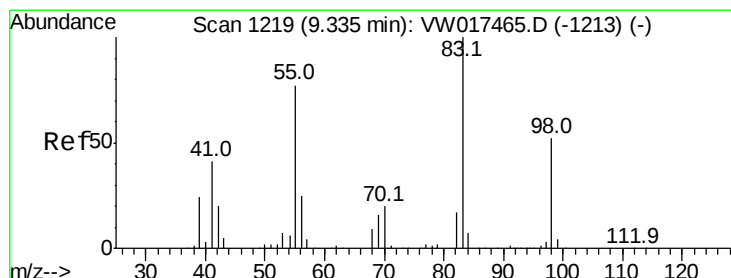
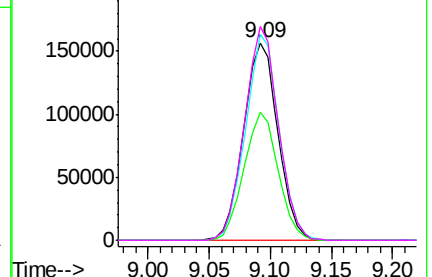
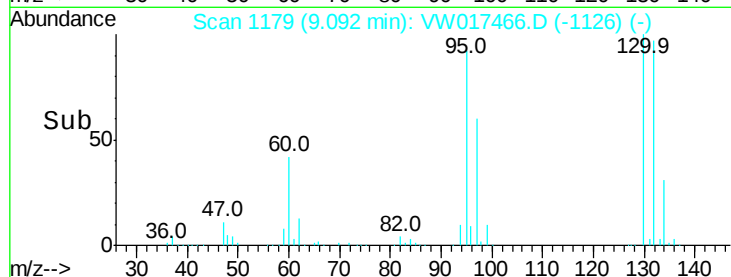
Abundance

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: 49.583 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW017466.D

Acq: 24 Nov 2020 11:03

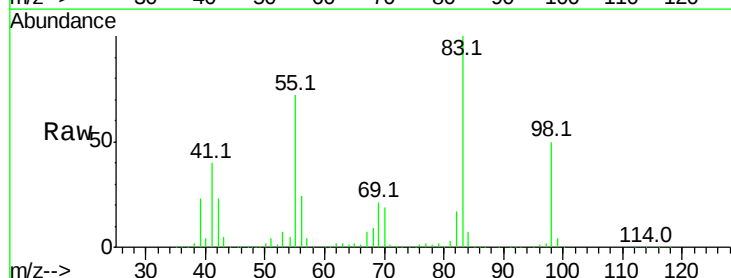
Tgt Ion: 83 Resp: 518946

Ion Ratio Lower Upper

83 100

55 72.5 59.4 89.0

98 51.4 40.7 61.1

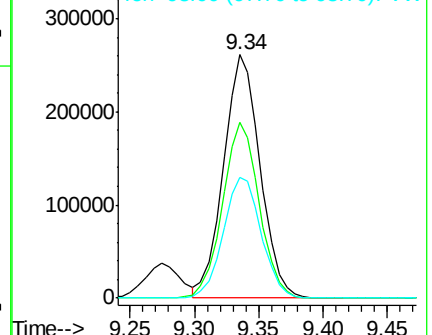
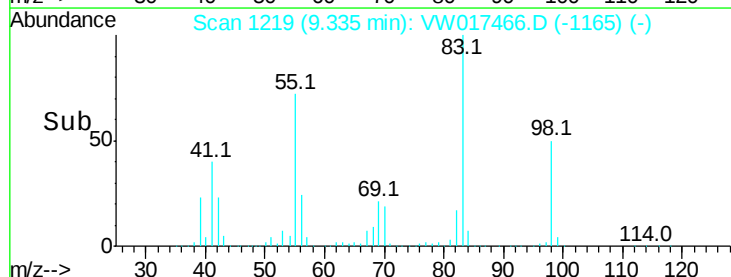


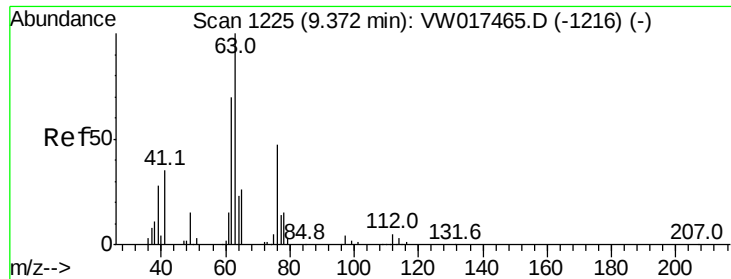
Abundance

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

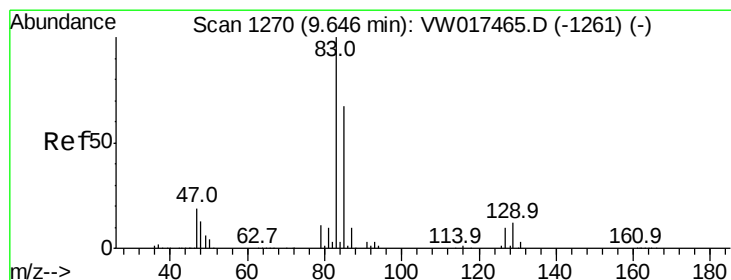
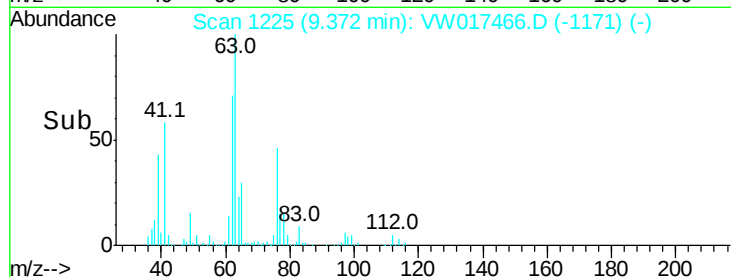
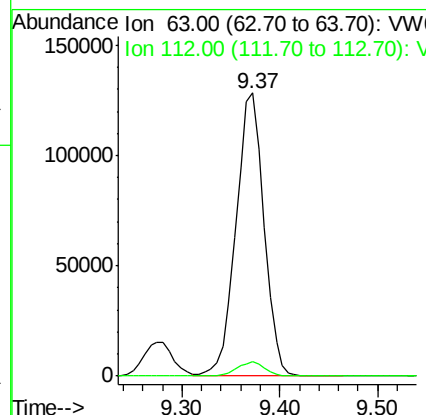
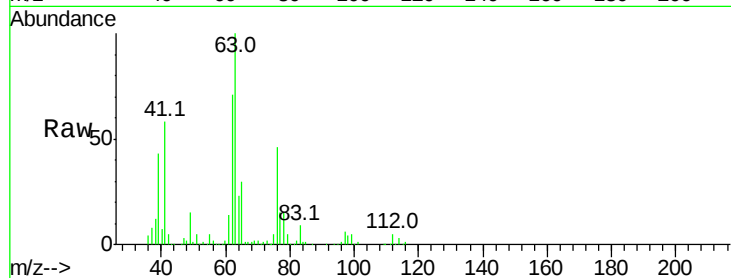




#40
 1,2-Dichloropropane
 Concen: 48.522 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW017466.D
 Acq: 24 Nov 2020 11:03

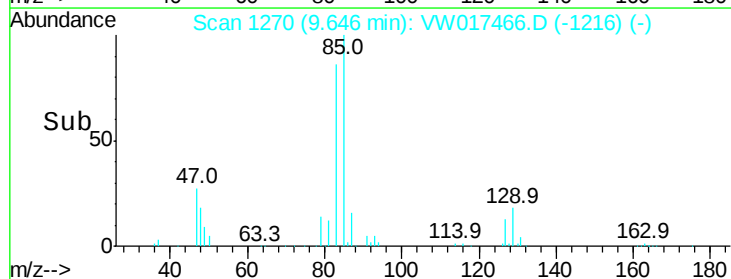
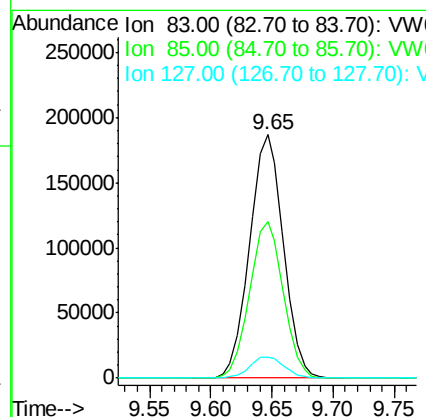
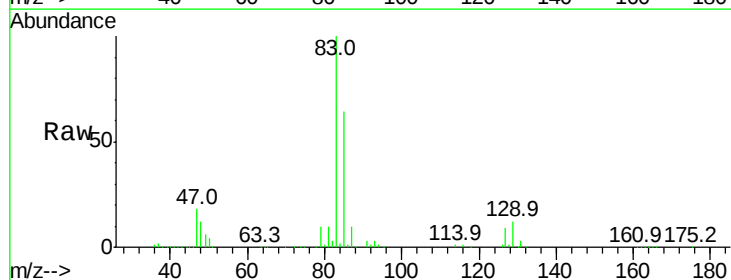
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05003

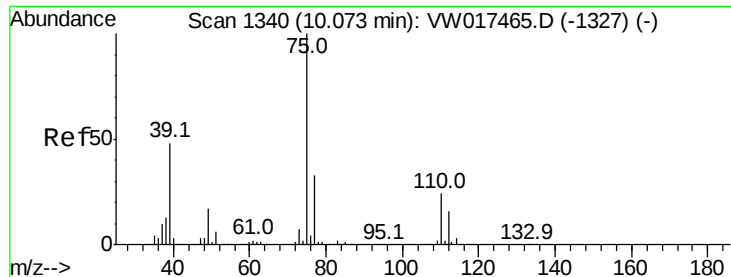
Tgt Ion: 63 Resp: 255577
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.2 6.4



#41
 Bromodichloromethane
 Concen: 48.709 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW017466.D
 Acq: 24 Nov 2020 11:03

Tgt Ion: 83 Resp: 358184
 Ion Ratio Lower Upper
 83 100
 85 64.5 46.8 86.8
 127 8.5 7.6 11.4





#42

cis-1,3-Dichloropropene

Concen: 49.848 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW017466.D

Acq: 24 Nov 2020 11:03

Instrument :

MSVOA_W

ClientSampleId :

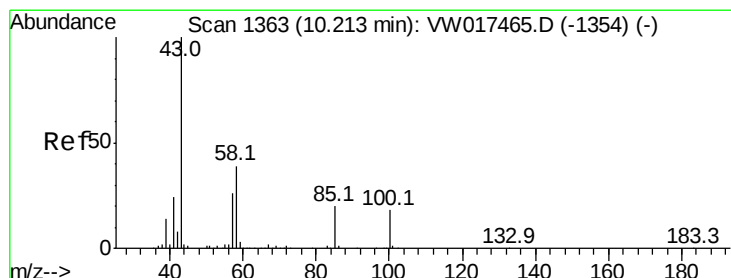
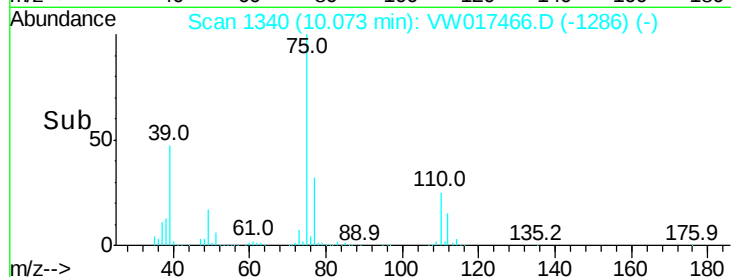
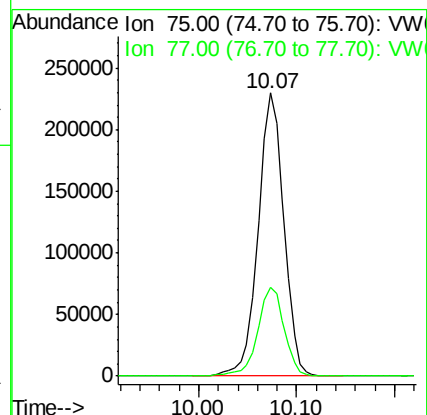
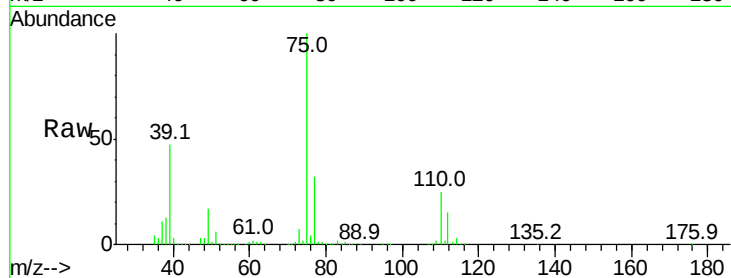
VSTD05003

Tgt Ion: 75 Resp: 419191

Ion Ratio Lower Upper

75 100

77 31.5 22.7 42.3



#43

4-Methyl-2-pentanone

Concen: 93.381 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW017466.D

Acq: 24 Nov 2020 11:03

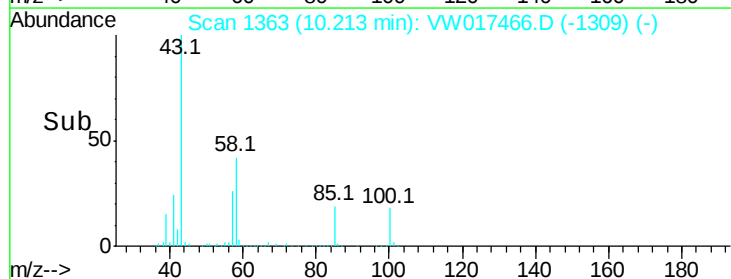
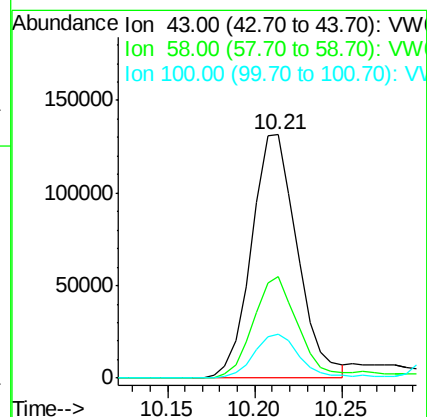
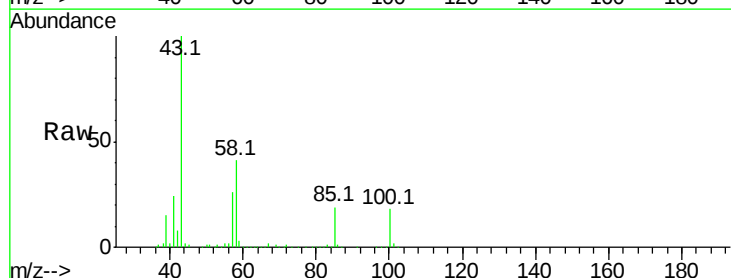
Tgt Ion: 43 Resp: 240097

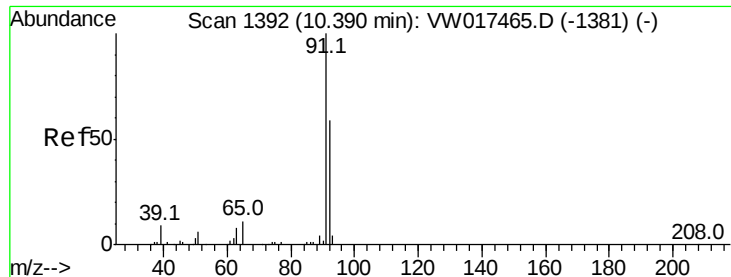
Ion Ratio Lower Upper

43 100

58 40.8 31.6 47.4

100 17.7 14.1 21.1





#44

Toluene

Concen: 46.578 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017466.D

Acq: 24 Nov 2020 11:03

Instrument :

MSVOA_W

ClientSampleId :

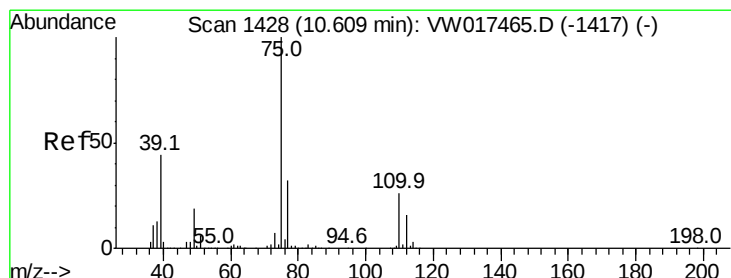
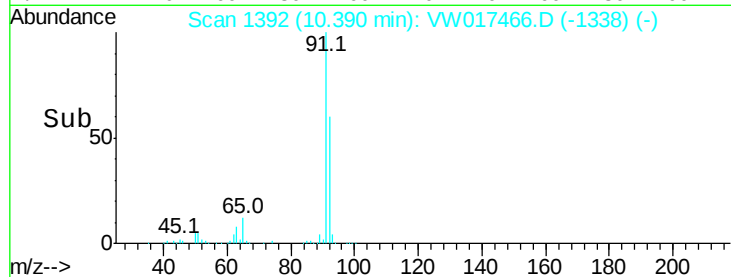
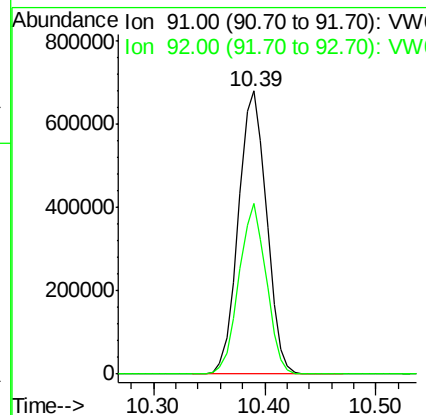
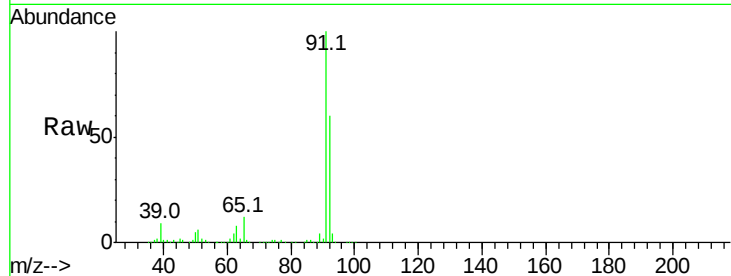
VSTD05003

Tgt Ion: 91 Resp: 1188348

Ion Ratio Lower Upper

91 100

92 60.3 41.6 77.3



#45

trans-1,3-Dichloropropene

Concen: 49.828 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017466.D

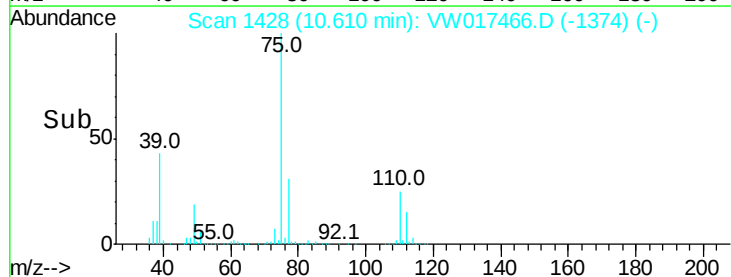
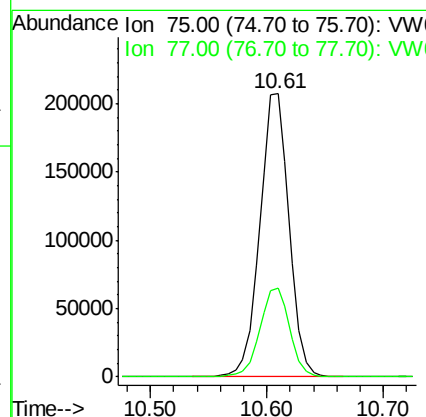
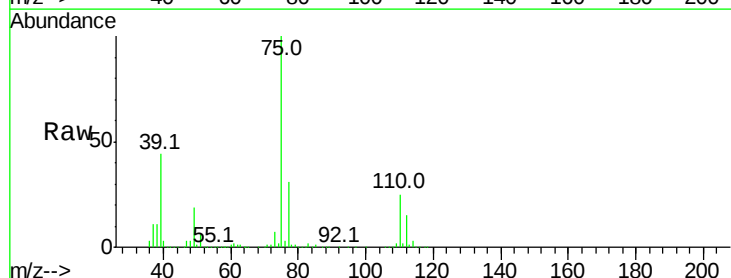
Acq: 24 Nov 2020 11:03

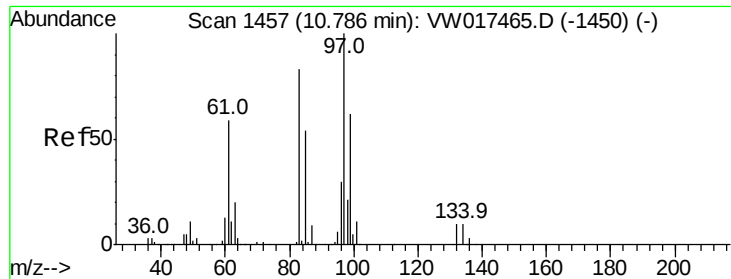
Tgt Ion: 75 Resp: 362870

Ion Ratio Lower Upper

75 100

77 31.4 22.6 42.0

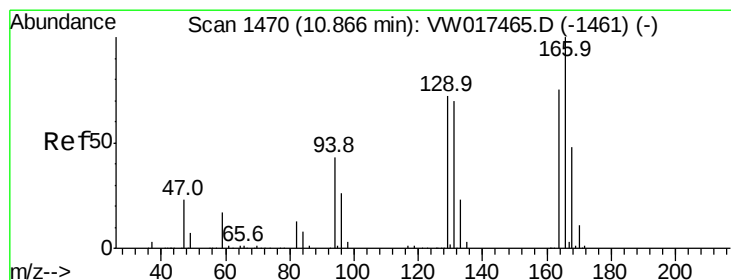
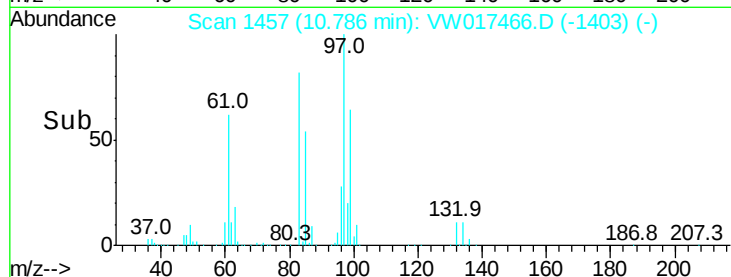
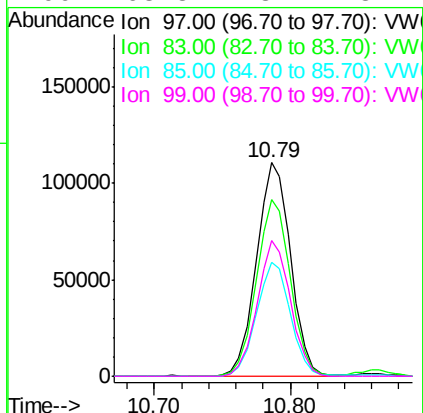
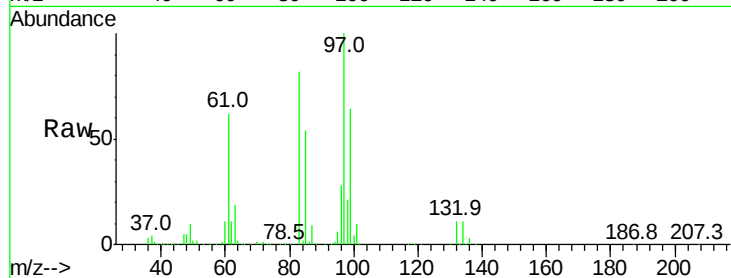




#46
 1,1,2-Trichloroethane
 Concen: 43.097 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW017466.D
 Acq: 24 Nov 2020 11:03

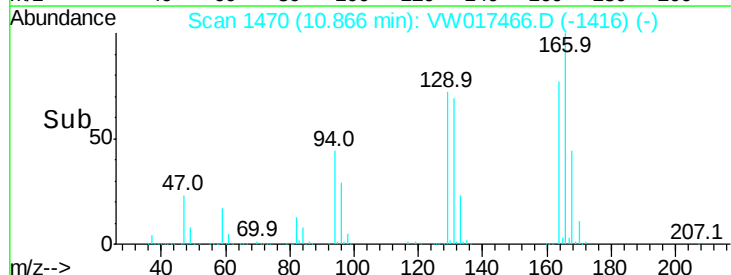
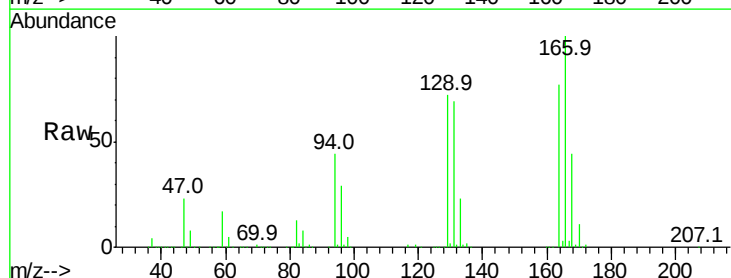
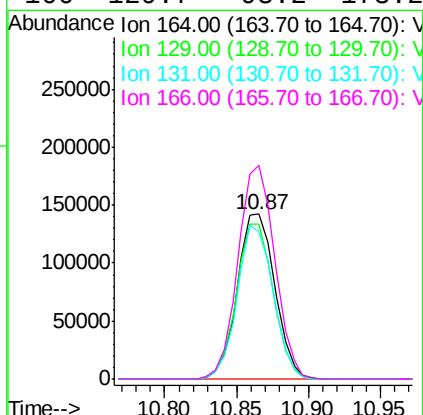
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05003

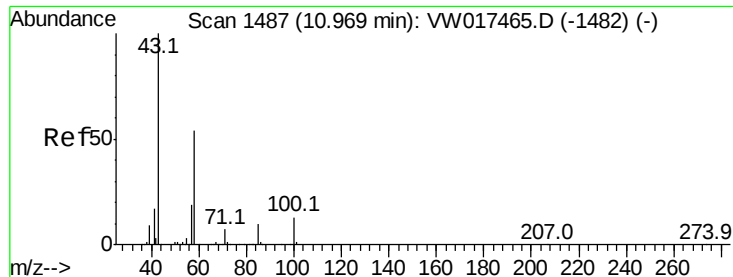
Tgt Ion: 97 Resp: 194338
 Ion Ratio Lower Upper
 97 100
 83 82.4 58.5 108.7
 85 53.6 37.8 70.2
 99 63.8 43.7 81.1



#47
 Tetrachloroethene
 Concen: 41.874 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW017466.D
 Acq: 24 Nov 2020 11:03

Tgt Ion: 164 Resp: 257164
 Ion Ratio Lower Upper
 164 100
 129 93.9 67.6 125.6
 131 89.1 65.2 121.2
 166 129.7 93.2 173.2





#49

2-Hexanone

Concen: 111.635 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017466.D

Acq: 24 Nov 2020 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

Tgt Ion: 43 Resp: 199576

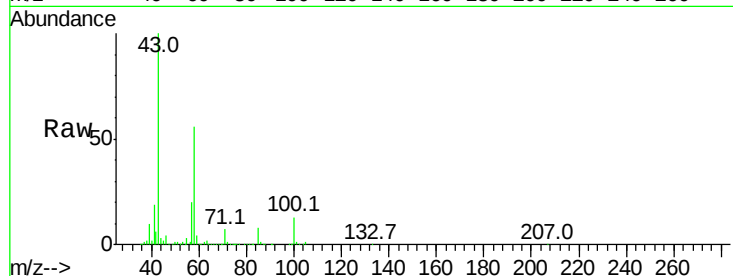
Ion Ratio Lower Upper

43 100

58 55.3 51.3 76.9

57 17.1 15.0 22.6

100 12.8 12.2 18.2

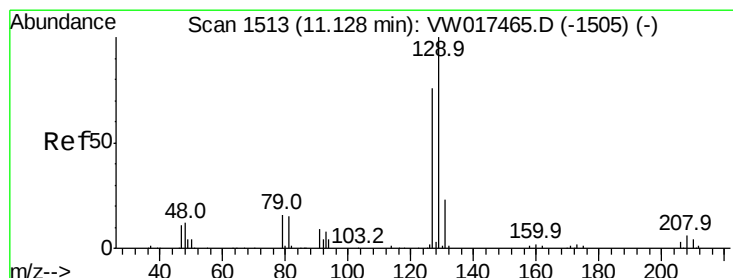
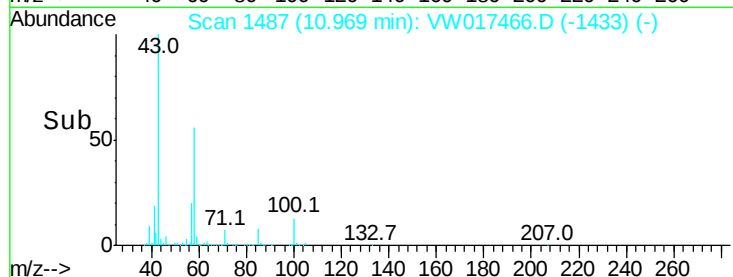
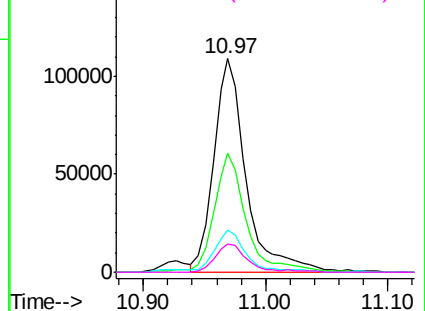


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 44.625 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017466.D

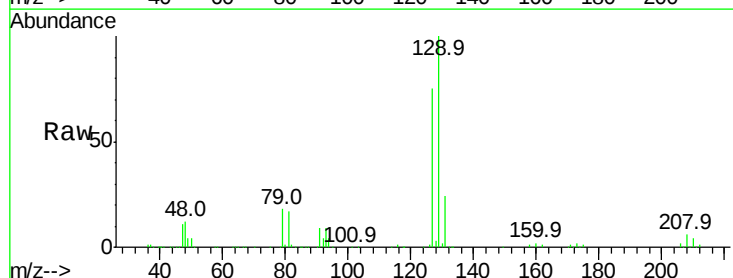
Acq: 24 Nov 2020 11:03

Tgt Ion: 129 Resp: 246006

Ion Ratio Lower Upper

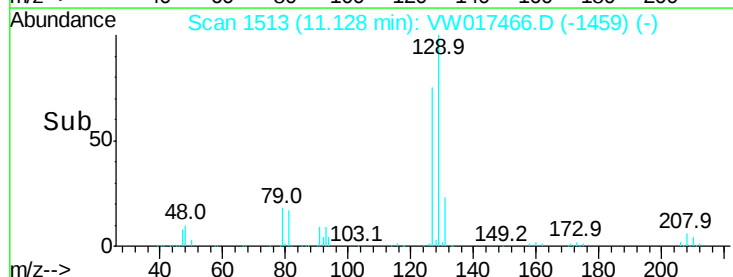
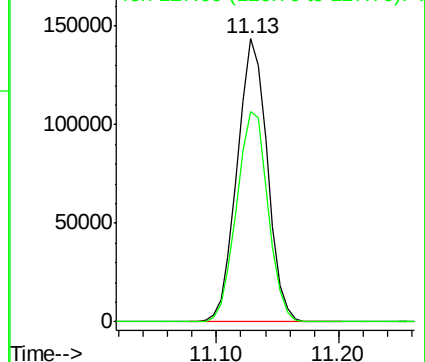
129 100

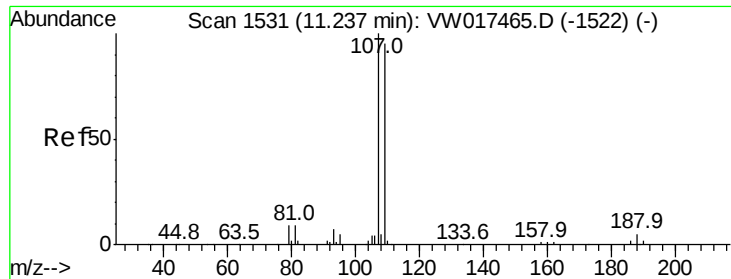
127 74.5 53.2 98.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

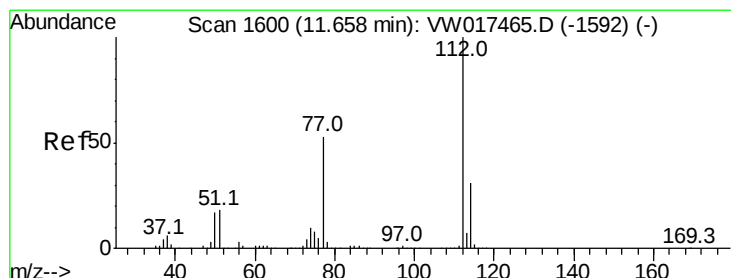
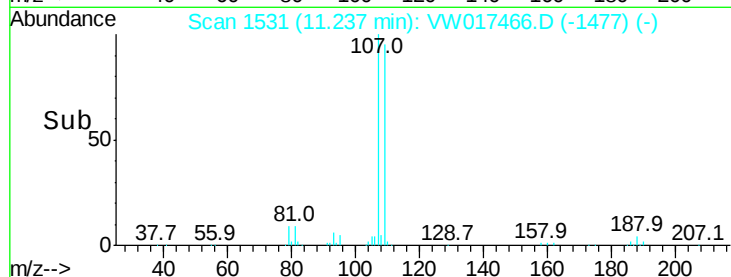
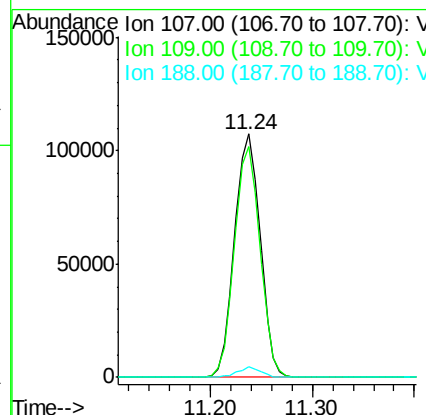
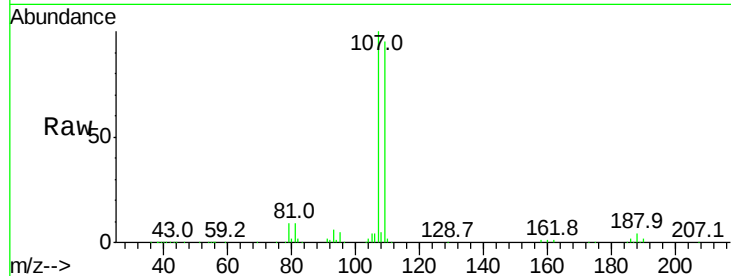




#51
 1,2-Dibromoethane
 Concen: 45.322 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW017466.D
 Acq: 24 Nov 2020 11:03

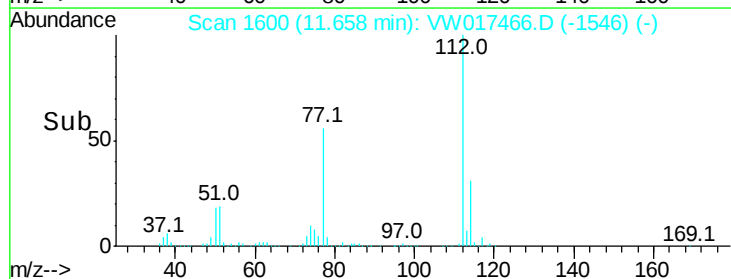
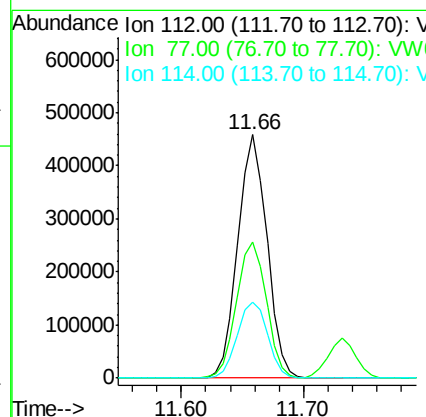
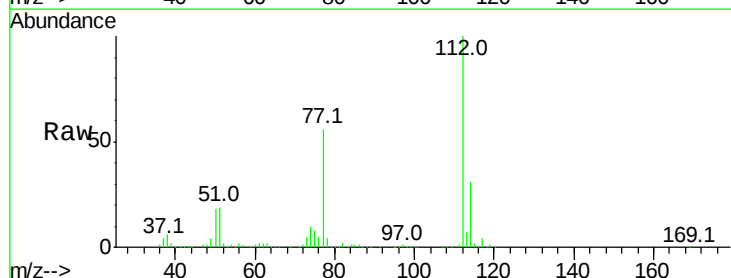
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05003

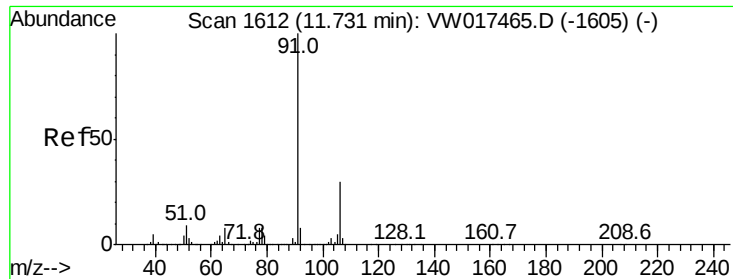
Tgt Ion:107 Resp: 187376
 Ion Ratio Lower Upper
 107 100
 109 94.6 66.4 123.2
 188 4.2 4.0 6.0



#52
 Chlorobenzene
 Concen: 45.762 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW017466.D
 Acq: 24 Nov 2020 11:03

Tgt Ion:112 Resp: 756286
 Ion Ratio Lower Upper
 112 100
 77 56.0 42.6 64.0
 114 31.2 21.6 40.2





#53

Ethylbenzene

Concen: 49.313 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017466.D

Acq: 24 Nov 2020 11:03

Instrument :

MSVOA_W

ClientSampleId :

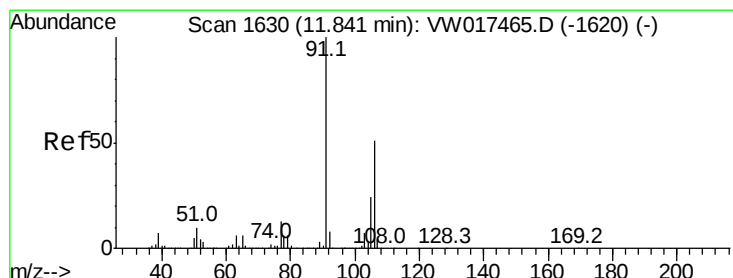
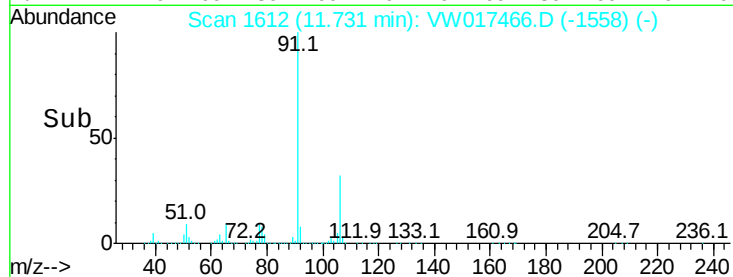
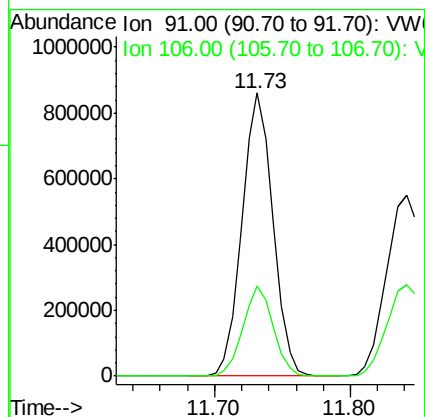
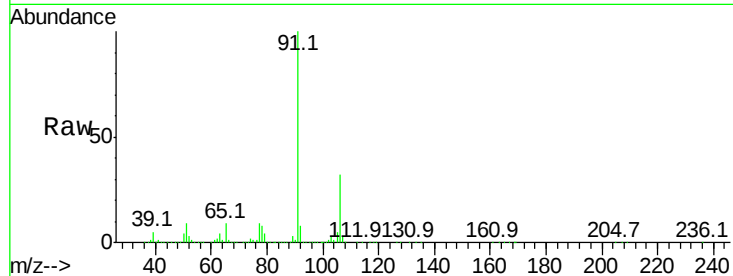
VSTD05003

Tgt Ion: 91 Resp: 1365552

Ion Ratio Lower Upper

91 100

106 31.7 21.1 39.1



#54

m,p-Xylene

Concen: 48.531 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW017466.D

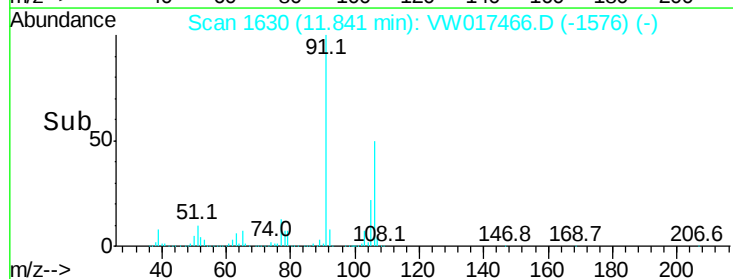
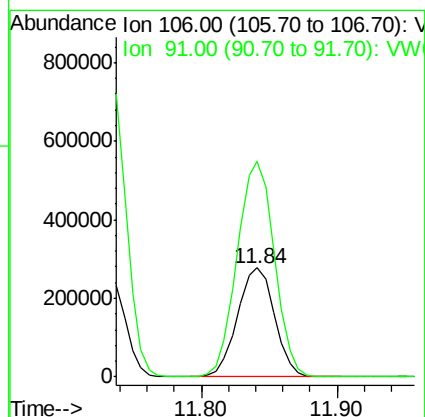
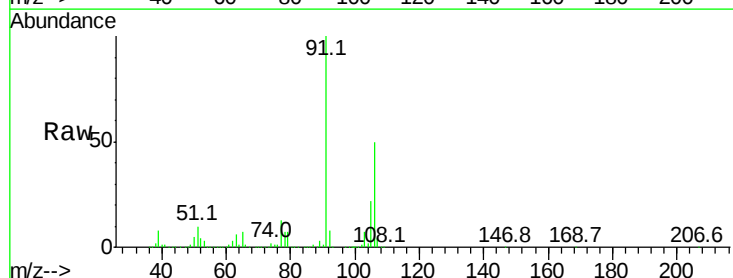
Acq: 24 Nov 2020 11:03

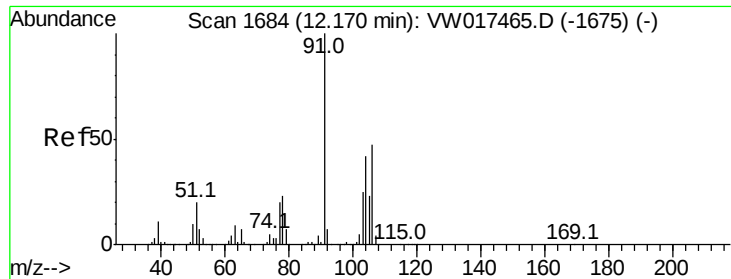
Tgt Ion: 106 Resp: 525897

Ion Ratio Lower Upper

106 100

91 198.3 136.4 253.4





#55

o-xylene

Concen: 46.371 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW017466.D

Acq: 24 Nov 2020 11:03

Instrument :

MSVOA_W

ClientSampleId :

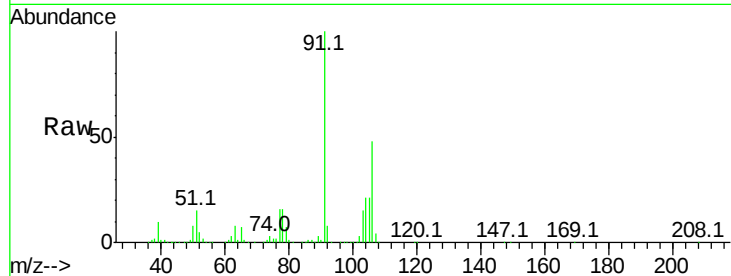
VSTD05003

Tgt Ion:106 Resp: 487608

Ion Ratio Lower Upper

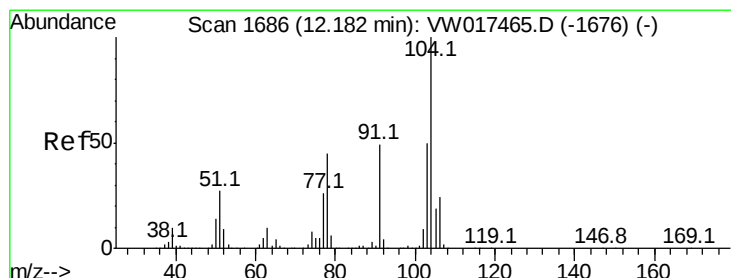
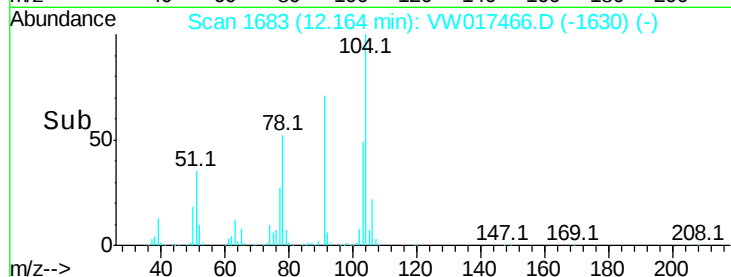
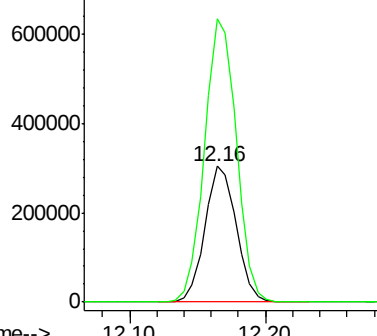
106 100

91 208.5 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 46.950 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW017466.D

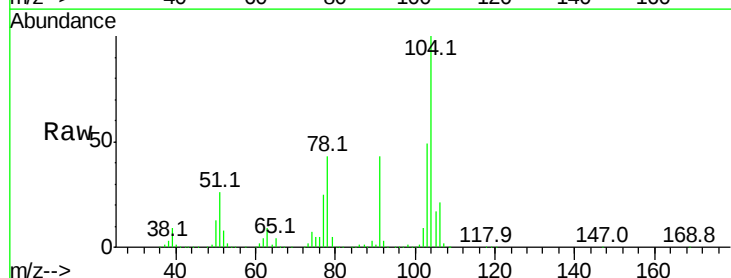
Acq: 24 Nov 2020 11:03

Tgt Ion:104 Resp: 840441

Ion Ratio Lower Upper

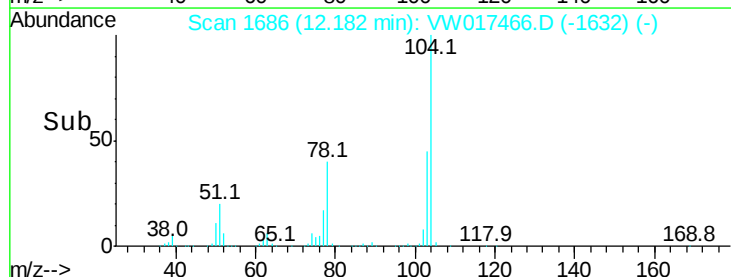
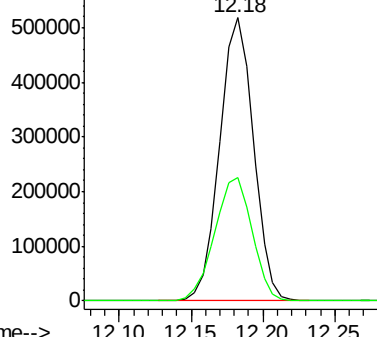
104 100

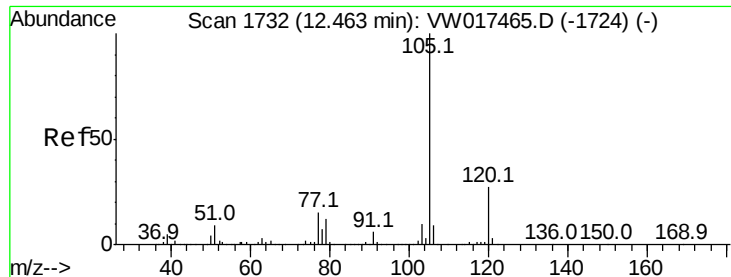
78 43.4 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 46.333 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017466.D

Acq: 24 Nov 2020 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

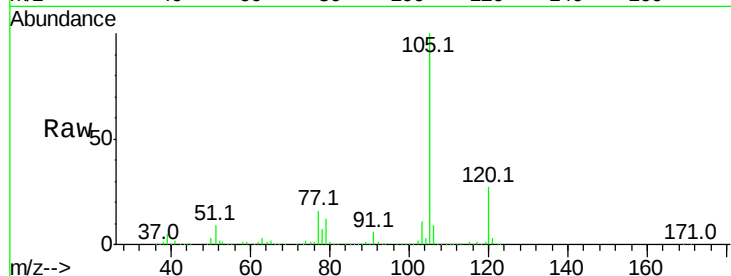
Tgt Ion: 105 Resp: 1356982

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.2

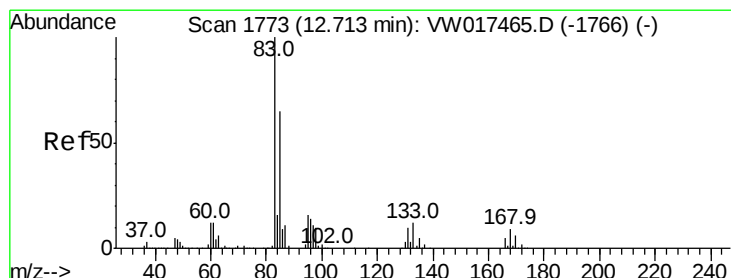
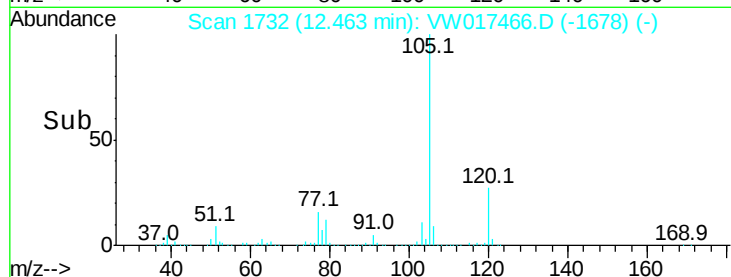
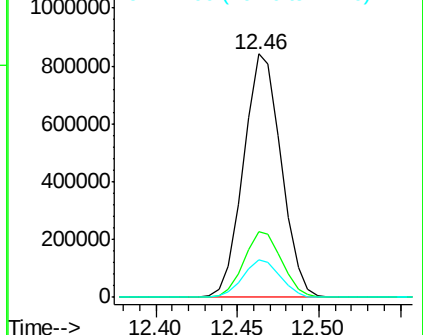
77 15.3 12.1 18.1



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 44.006 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017466.D

Acq: 24 Nov 2020 11:03

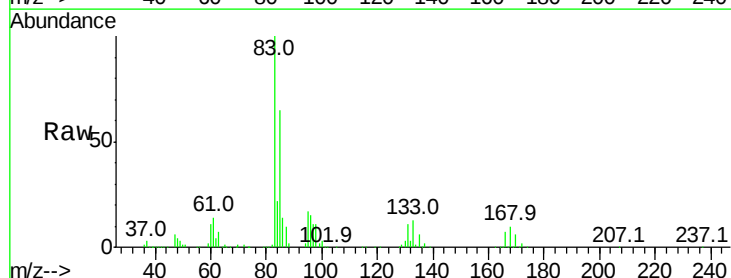
Tgt Ion: 83 Resp: 212595

Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1

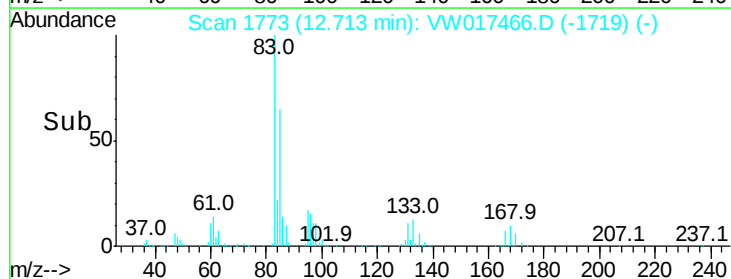
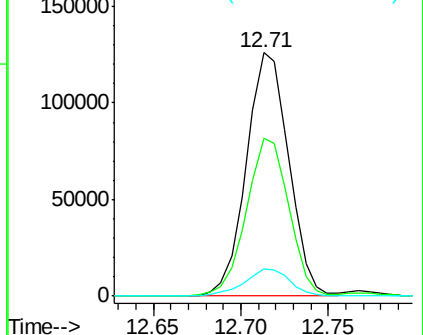
131 11.1 8.3 12.5

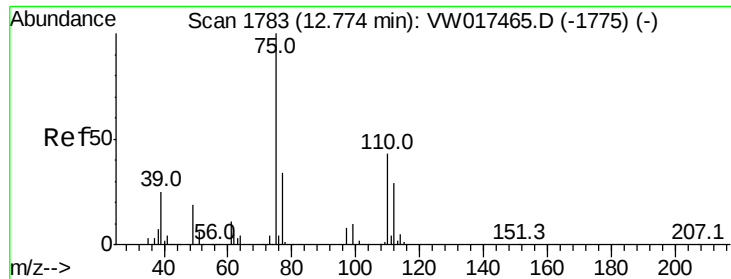


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

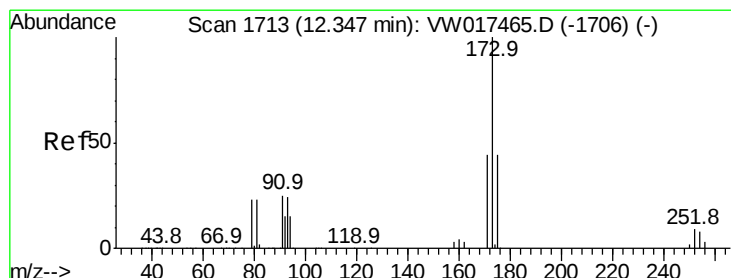
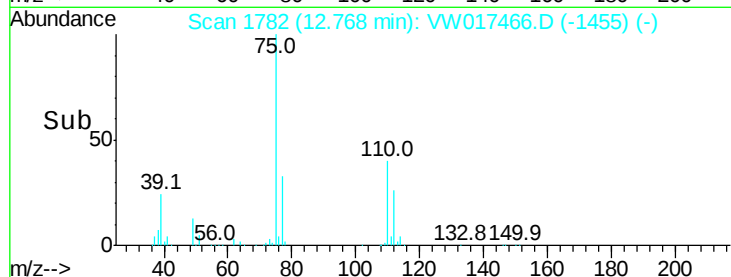
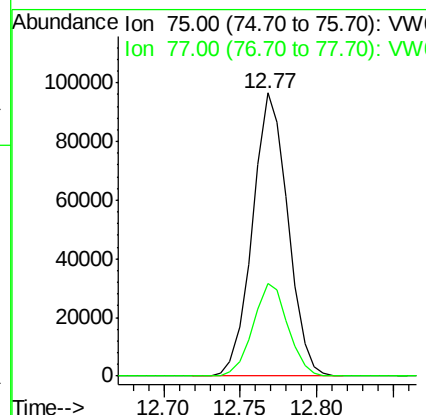
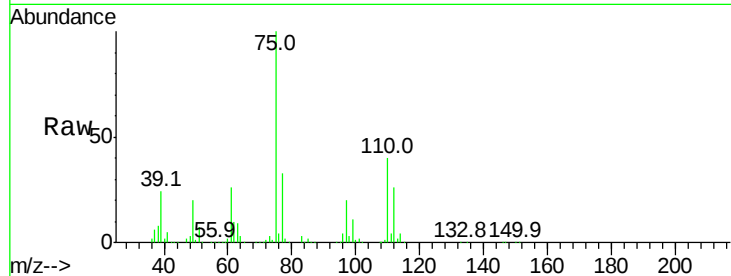




#59
 1,2,3-Trichloropropane
 Concen: 44.839 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW017466.D
 Acq: 24 Nov 2020 11:03

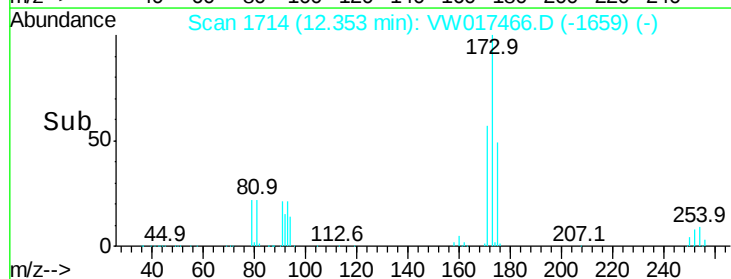
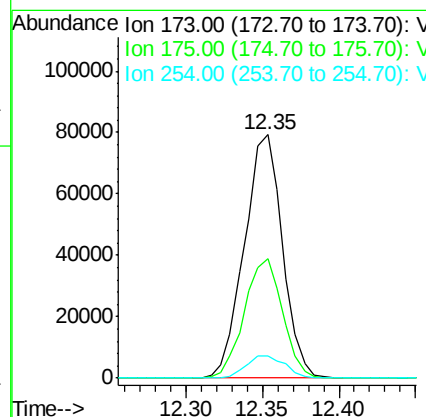
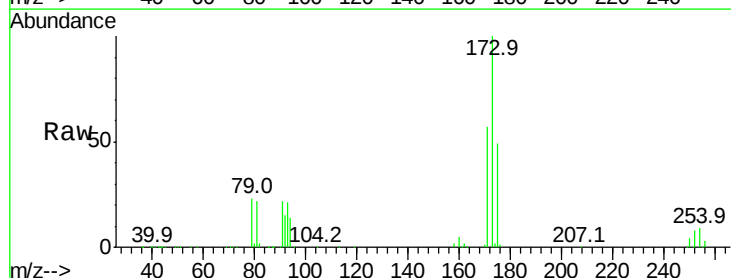
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05003

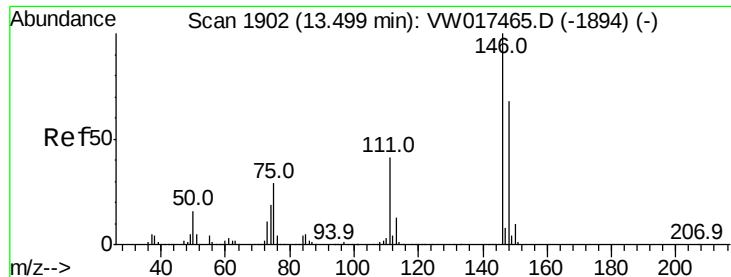
Tgt Ion: 75 Resp: 154858
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.6 39.8



#62
 Bromoform
 Concen: 45.300 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW017466.D
 Acq: 24 Nov 2020 11:03

Tgt Ion: 173 Resp: 137198
 Ion Ratio Lower Upper
 173 100
 175 49.1 39.1 58.7
 254 9.5 7.1 10.7

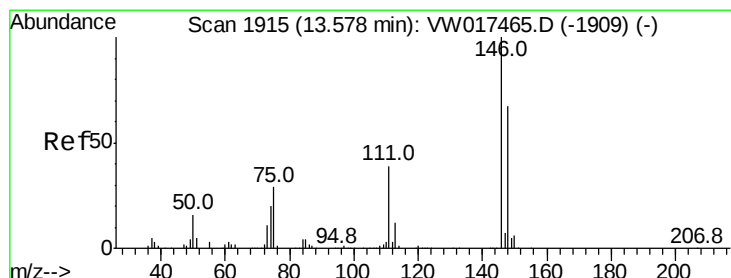
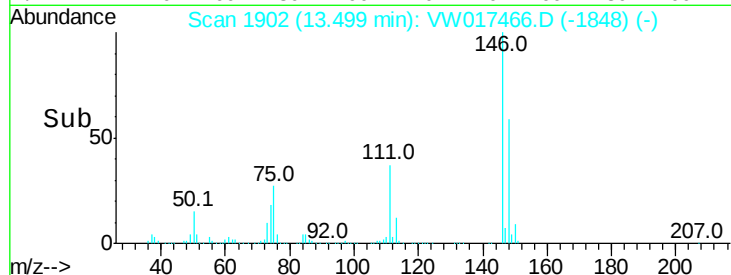
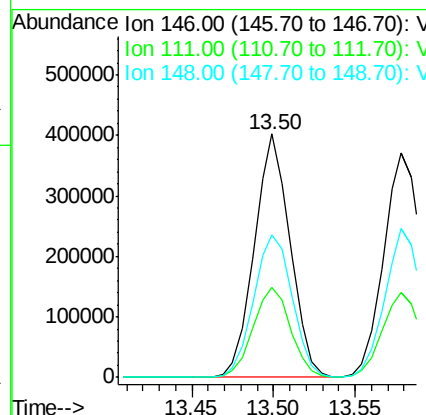
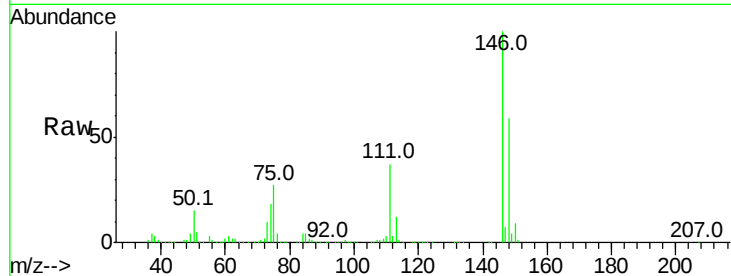




#63
 1,3-Dichlorobenzene
 Concen: 46.968 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017466.D
 Acq: 24 Nov 2020 11:03

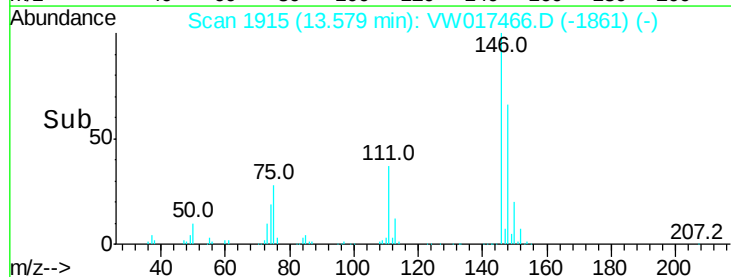
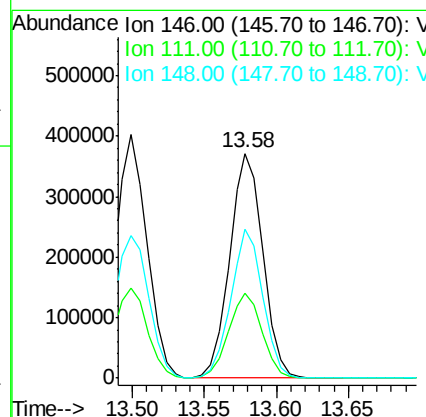
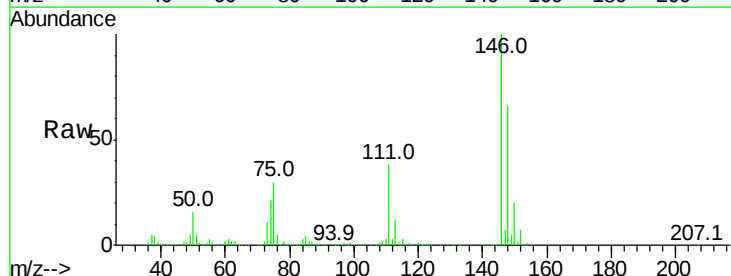
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05003

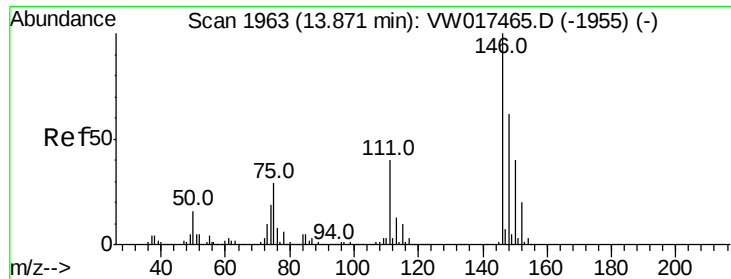
Tgt Ion:146 Resp: 614152
 Ion Ratio Lower Upper
 146 100
 111 37.2 28.5 52.9
 148 58.7 47.8 88.8



#64
 1,4-Dichlorobenzene
 Concen: 45.430 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017466.D
 Acq: 24 Nov 2020 11:03

Tgt Ion:146 Resp: 597668
 Ion Ratio Lower Upper
 146 100
 111 37.5 27.7 51.5
 148 66.1 47.0 87.2

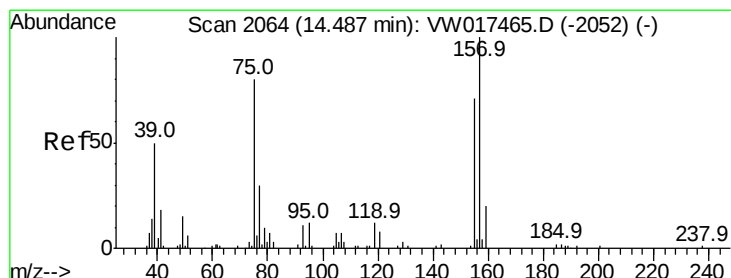
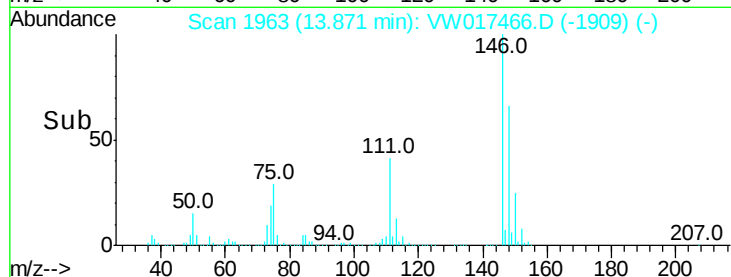
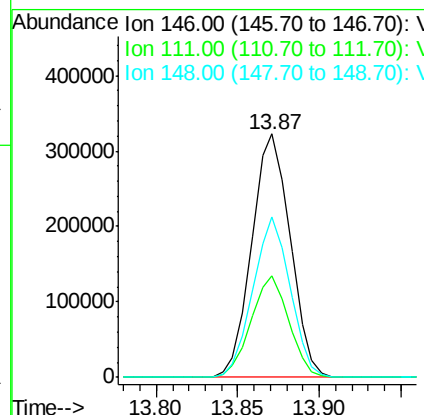
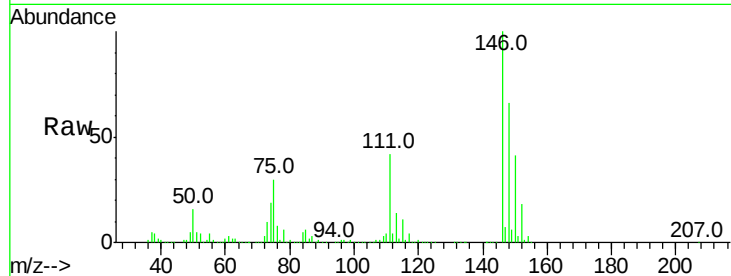




#65
 1,2-Dichlorobenzene
 Concen: 45.246 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017466.D
 Acq: 24 Nov 2020 11:03

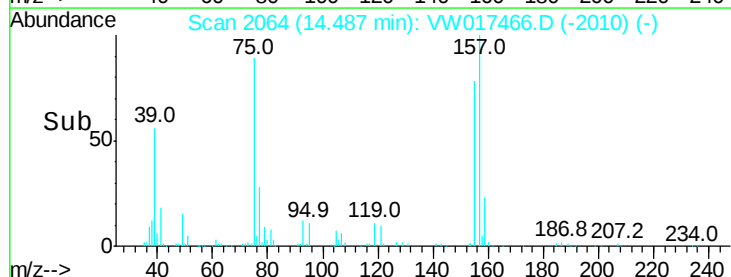
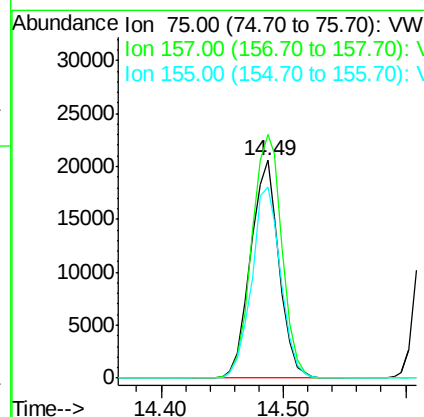
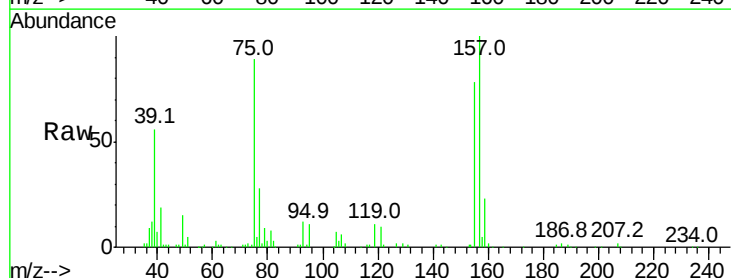
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05003

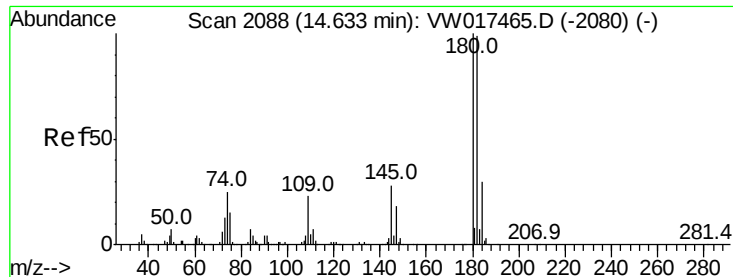
Tgt Ion:146 Resp: 530684
 Ion Ratio Lower Upper
 146 100
 111 41.6 31.7 47.5
 148 65.9 49.3 73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.442 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW017466.D
 Acq: 24 Nov 2020 11:03

Tgt Ion: 75 Resp: 33323
 Ion Ratio Lower Upper
 75 100
 157 111.9 99.9 149.9
 155 87.6 71.4 107.0

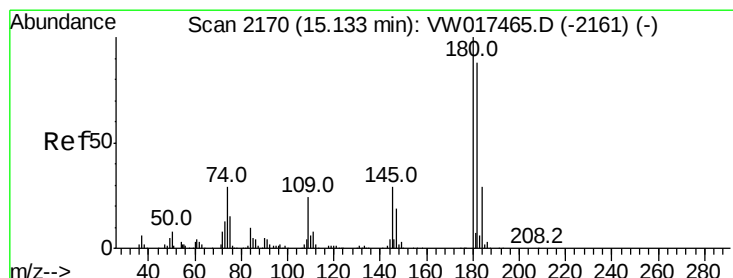
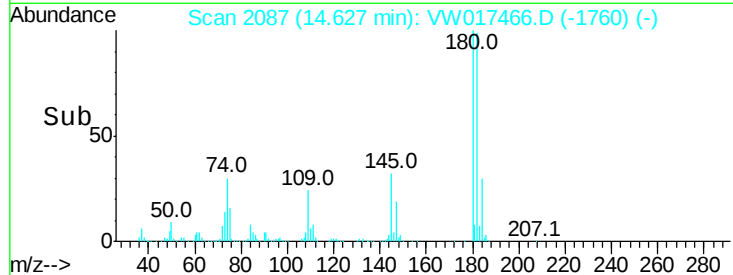
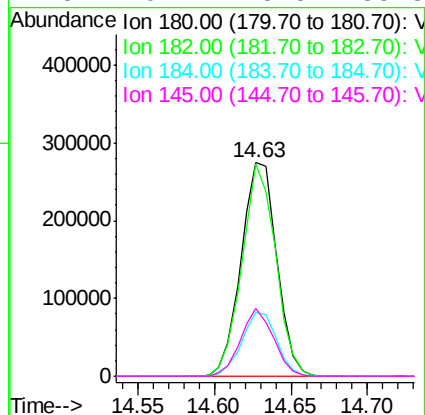
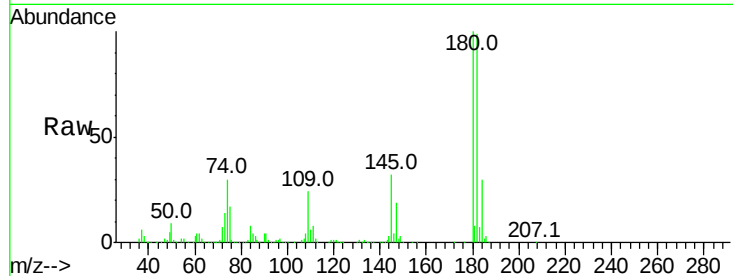




#67
 1,3,5-Trichlorobenzene
 Concen: 45.379 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW017466.D
 Acq: 24 Nov 2020 11:03

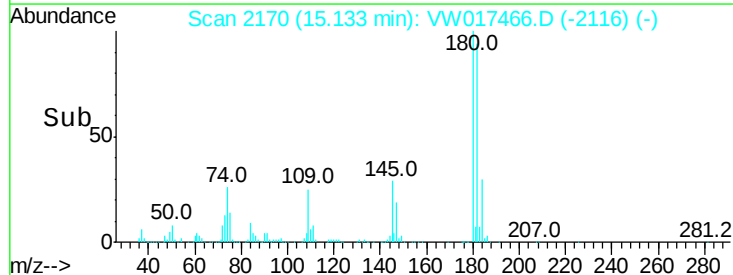
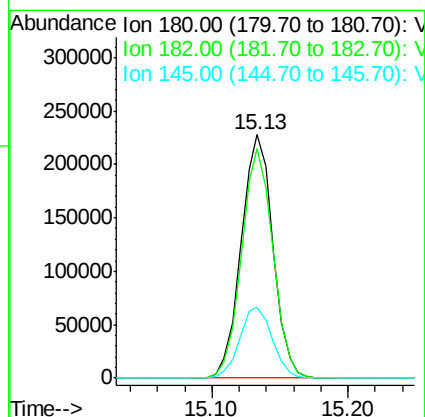
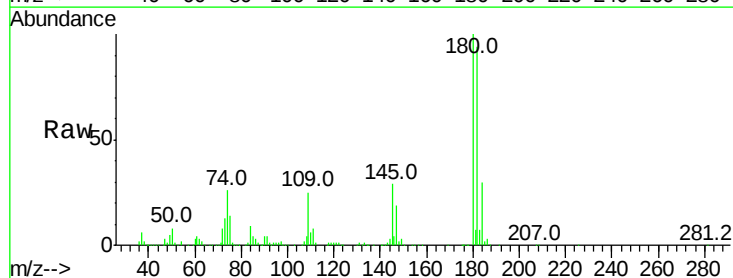
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05003

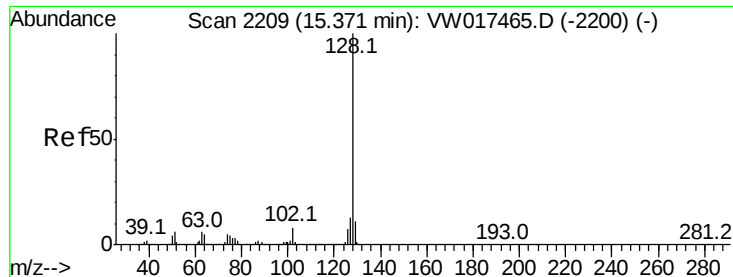
Tgt Ion:	180	Resp:	444854
Ion Ratio	Lower	Upper	
180	100		
182	94.0	77.0	115.6
184	29.3	24.2	36.4
145	29.2	23.5	35.3



#68
 1,2,4-trichlorobenzene
 Concen: 42.533 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017466.D
 Acq: 24 Nov 2020 11:03

Tgt Ion:	180	Resp:	369538
Ion Ratio	Lower	Upper	
180	100		
182	93.5	71.3	106.9
145	29.9	24.0	36.0





#69

Naphthalene

Concen: 43.036 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017466.D

Acq: 24 Nov 2020 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

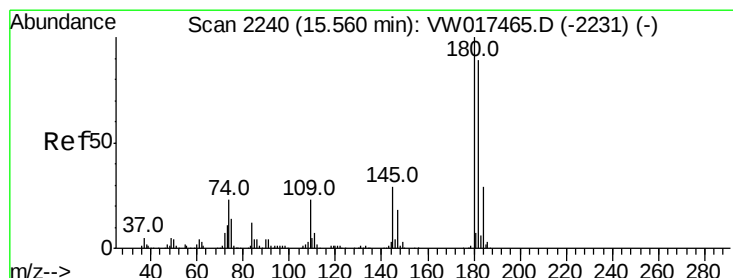
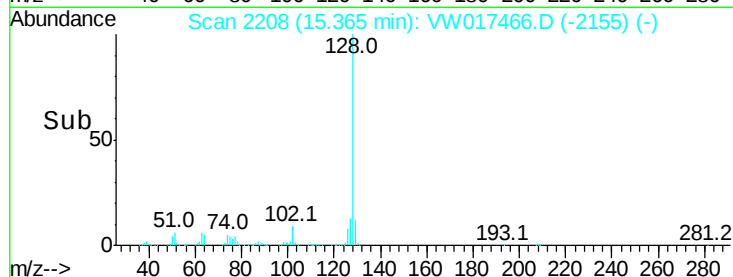
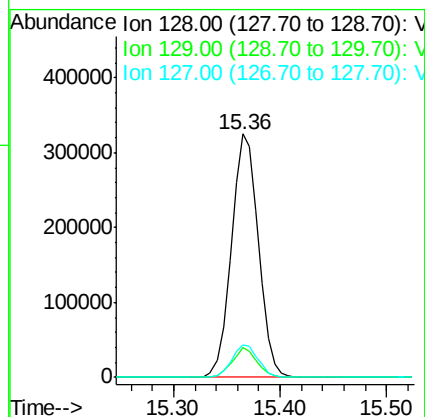
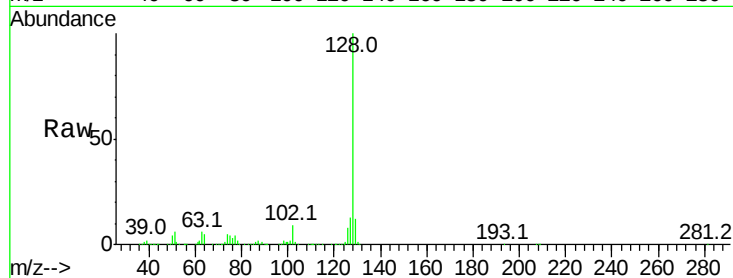
Tgt Ion:128 Resp: 576385

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

127 13.1 10.7 16.1



#70

1,2,3-Trichlorobenzene

Concen: 38.284 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW017466.D

Acq: 24 Nov 2020 11:03

Tgt Ion:180 Resp: 295381

Ion Ratio Lower Upper

180 100

182 97.5 74.7 112.1

145 32.6 25.4 38.0

