

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102220\
 Data File : VW016961.D
 Acq On : 22 Oct 2020 10:28
 Operator : SY/VA
 Sample : VSTD00504
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

Quant Time: Oct 22 12:04:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 11:56:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	534230	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	484380	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	237315	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	36624	6.90	ug/L	0.00
7) Chloroethane-d5	2.90	69	27449	6.21	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	67587	6.04	ug/L	0.00
20) 2-Butanone-d5	7.09	46	12172	10.39	ug/L	0.00
24) Chloroform-d	7.65	84	70048	6.20	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	33425	6.17	ug/L	0.00
29) Benzene-d6	8.28	84	143643	6.51	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	38008	6.38	ug/L	0.00
37) Toluene-d8	10.33	98	132132	6.34	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	14925	5.74	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	9062	10.08	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	28328	5.99	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	45882	6.08	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	30616	4.850 ug/L	98
3) Chloromethane	2.21	50	25694	4.653 ug/L	97
5) Vinyl chloride	2.37	62	39041	5.301 ug/L	99
6) Bromomethane	2.78	94	26332	4.912 ug/L	98
8) Chloroethane	2.93	64	21846	4.851 ug/L	96
9) Trichlorofluoromethane	3.26	101	28686	5.000 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	37391	5.169 ug/L	98
12) 1,1-Dichloroethene	4.04	96	35147	5.078 ug/L	91
13) Acetone	4.15	43	7920	8.946 ug/L	74
14) Carbon disulfide	4.39	76	103322	5.164 ug/L	100
15) Methyl Acetate	4.68	43	5428	2.556 ug/L #	67
16) Methylene chloride	4.92	84	36419	4.931 ug/L	92
17) Methyl tert-butyl Ether	5.43	73	37015	4.801 ug/L #	94
18) trans-1,2-Dichloroethene	5.43	96	36132	4.978 ug/L	94
19) 1,1-Dichloroethane	6.22	63	56484	5.058 ug/L	99
21) 2-Butanone	7.18	43	12605	8.425 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	36761	4.965 ug/L	98
23) Bromochloromethane	7.52	128	17076	4.933 ug/L	95
25) Chloroform	7.68	83	59717	4.960 ug/L	100
27) 1,2-Dichloroethane	8.40	62	33993	4.794 ug/L #	94
30) Cyclohexane	7.96	56	48775	4.840 ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	52518	5.062 ug/L	99
32) Carbon tetrachloride	8.07	117	50430	5.034 ug/L	98
34) Benzene	8.33	78	135022	5.176 ug/L	100
35) Trichloroethene	9.09	95	37205	5.061 ug/L	99
36) Methylcyclohexane	9.34	83	60581	4.874 ug/L	98
40) 1,2-Dichloropropane	9.37	63	29790	5.046 ug/L	99
41) Bromodichloromethane	9.65	83	39564	4.797 ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	43293	4.622 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	25654	8.807 ug/L	99

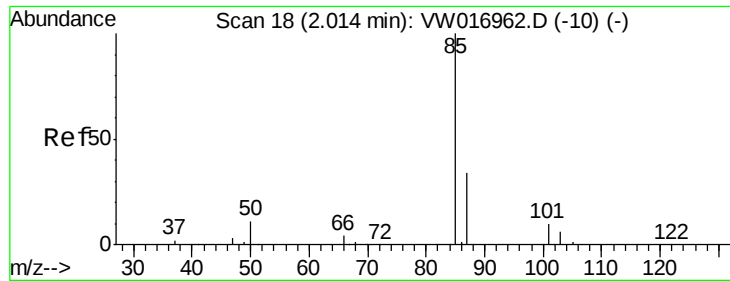
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102220\
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Quant Time: Oct 22 12:04:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 11:56:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	145199	5.016	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	35312	4.495	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	23243	4.872	ug/L	95
47) Tetrachloroethene	10.87	164	35067	5.140	ug/L	93
49) 2-Hexanone	10.98	43	15873	8.302	ug/L	98
50) Dibromochloromethane	11.13	129	26888	4.558	ug/L	96
51) 1,2-Dibromoethane	11.24	107	22792	4.907	ug/L	96
52) Chlorobenzene	11.66	112	96426	4.984	ug/L	98
53) Ethylbenzene	11.73	91	160272	4.927	ug/L	98
54) m,p-Xylene	11.84	106	61590	4.871	ug/L	99
55) o-xylene	12.17	106	57575	4.816	ug/L	98
56) Styrene	12.18	104	95540	4.799	ug/L	99
57) Isopropylbenzene	12.47	105	158241	4.798	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	24941	4.778	ug/L	93
59) 1,2,3-Trichloropropane	12.77	75	17633	4.665	ug/L	98
62) Bromoform	12.35	173	15077	4.518	ug/L #	95
63) 1,3-Dichlorobenzene	13.50	146	76584	5.056	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	77652	5.114	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	66637	4.918	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	3337	4.157	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	55061	4.893	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	37873	4.135	ug/L	96
69) Naphthalene	15.36	128	57233	3.824	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	35422	4.517	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.850 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

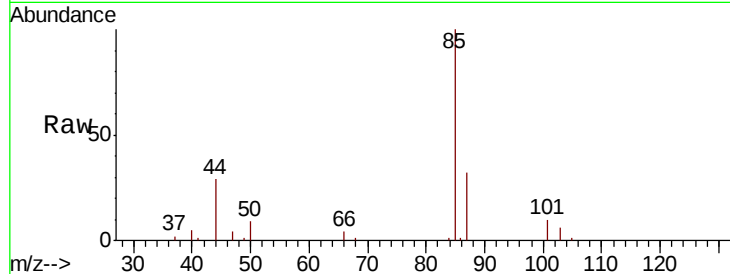
VSTD00504

Tot Ion: 85 Resp: 30616

Ion Ratio Lower Upper

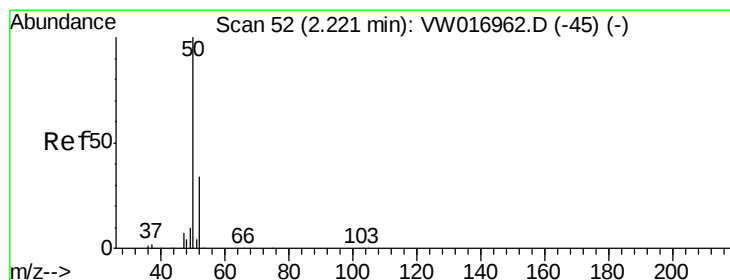
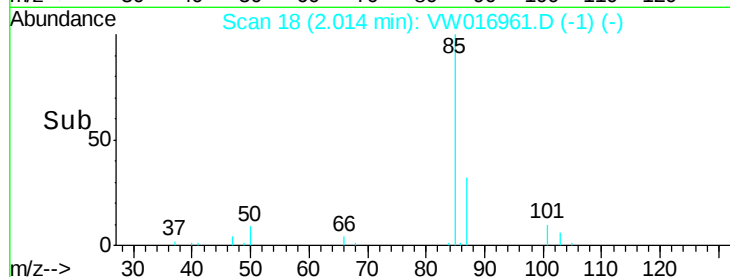
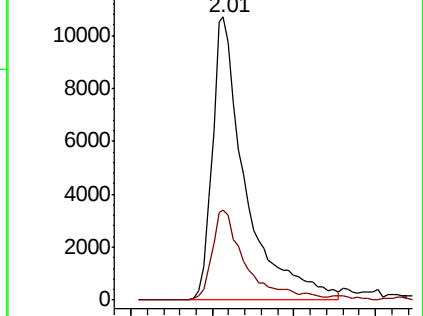
85 100

87 31.0 22.4 41.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 4.653 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW016961.D

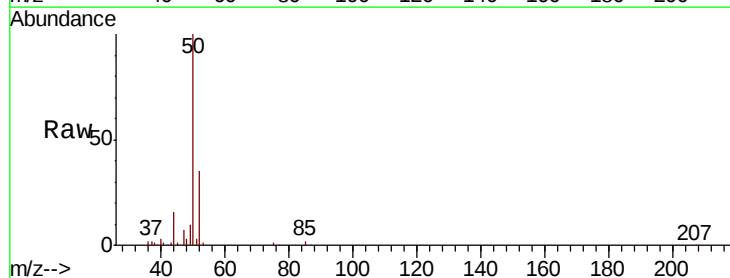
Acq: 22 Oct 2020 10:28

Tgt Ion: 50 Resp: 25694

Ion Ratio Lower Upper

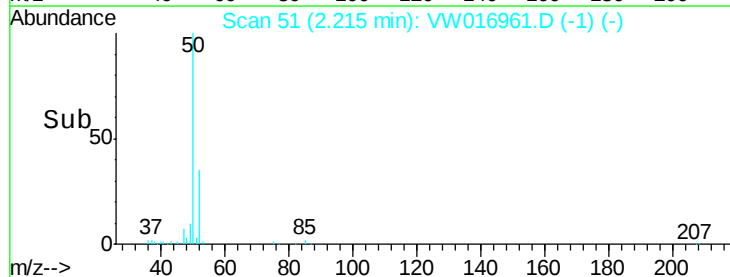
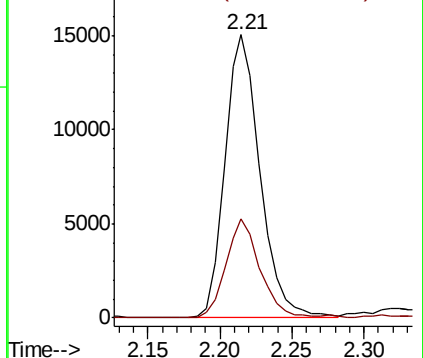
50 100

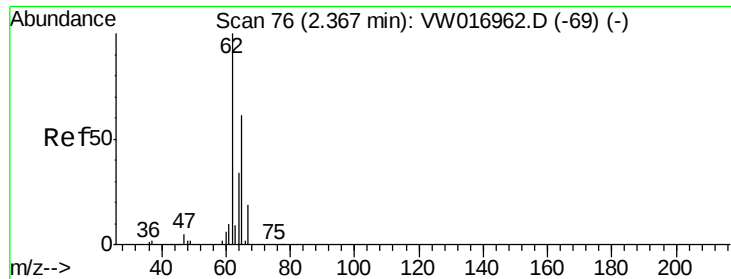
52 35.1 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 5.301 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

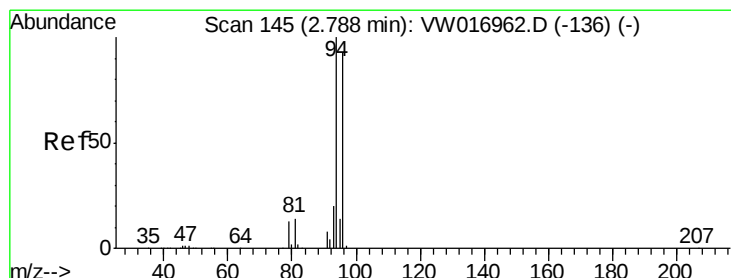
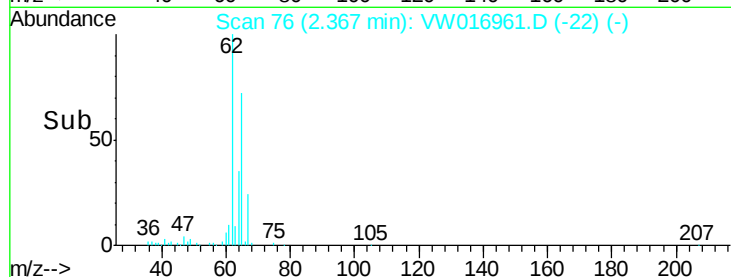
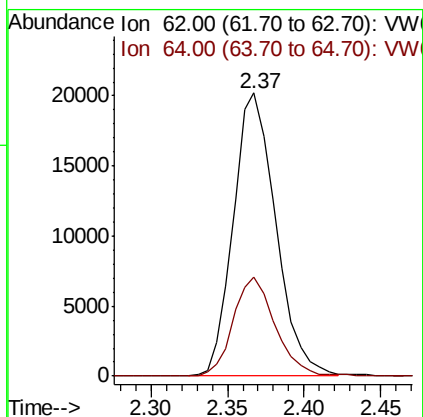
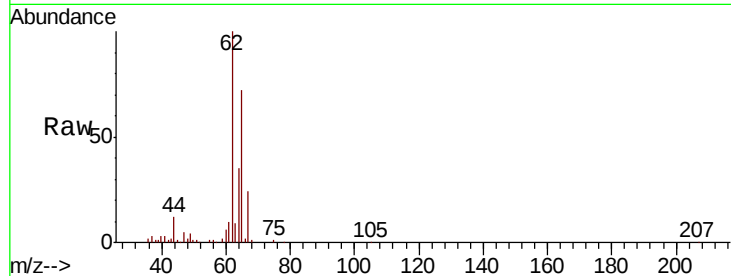
VSTD00504

Tot Ion: 62 Resp: 39041

Ion Ratio Lower Upper

62 100

64 35.0 24.1 44.7



#6

Bromomethane

Concen: 4.912 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016961.D

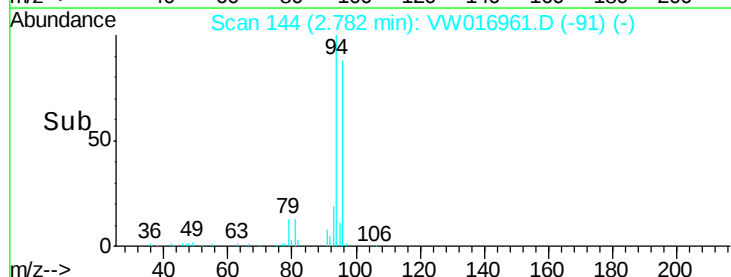
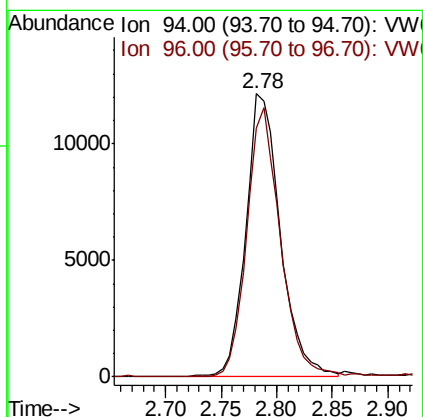
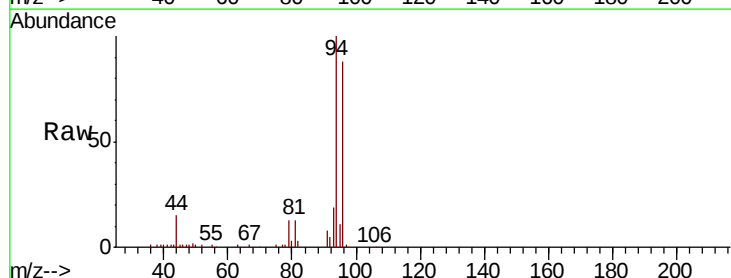
Acq: 22 Oct 2020 10:28

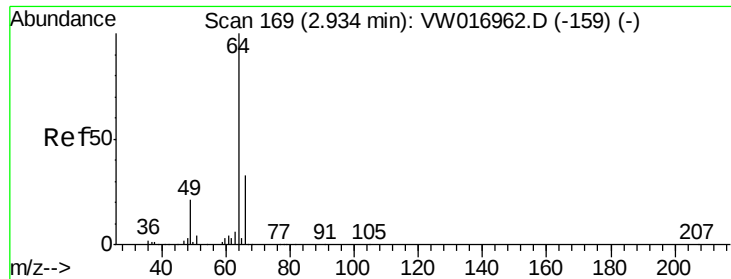
Tgt Ion: 94 Resp: 26332

Ion Ratio Lower Upper

94 100

96 92.1 9.4 178.8





#8

Chloroethane

Concen: 4.851 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

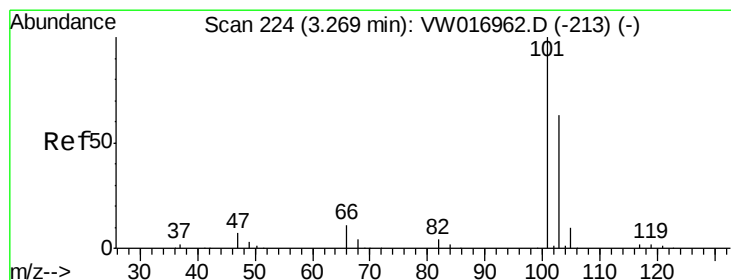
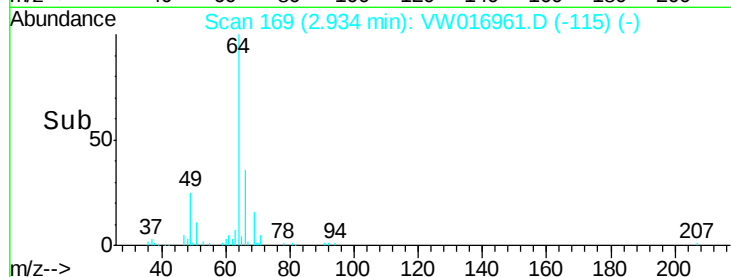
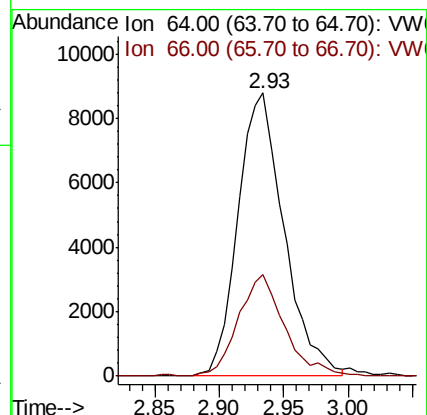
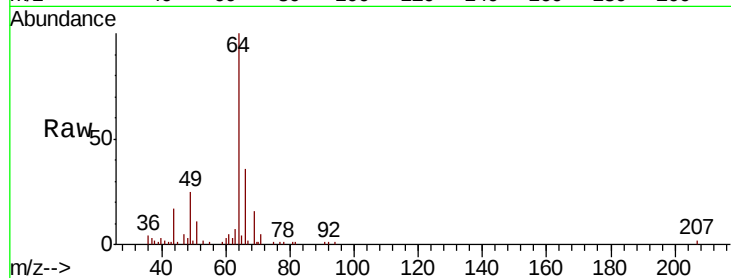
VSTD00504

Tot Ion: 64 Resp: 21846

Ion Ratio Lower Upper

64 100

66 35.8 23.4 43.6



#9

Trichlorofluoromethane

Concen: 5.000 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW016961.D

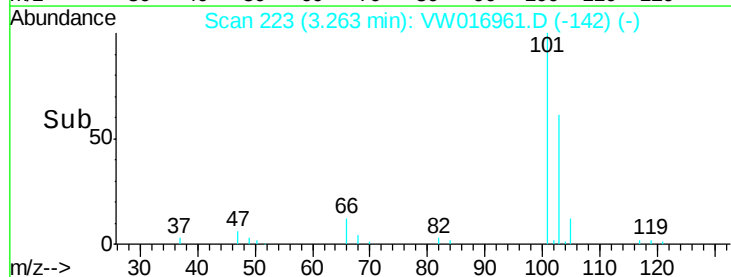
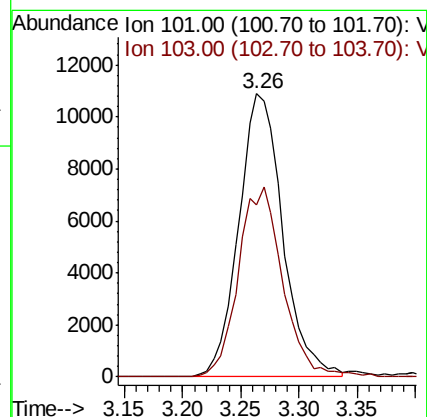
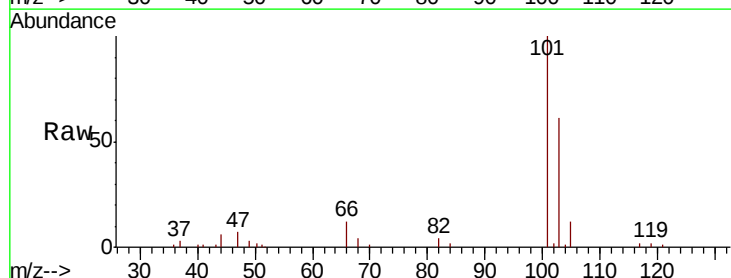
Acq: 22 Oct 2020 10:28

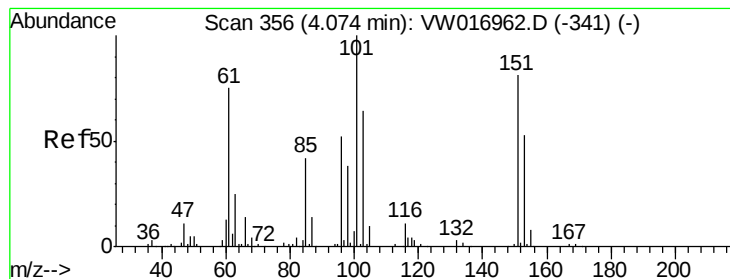
Tgt Ion: 101 Resp: 28686

Ion Ratio Lower Upper

101 100

103 67.5 44.9 83.5





#11

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

Concen: 5.169 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

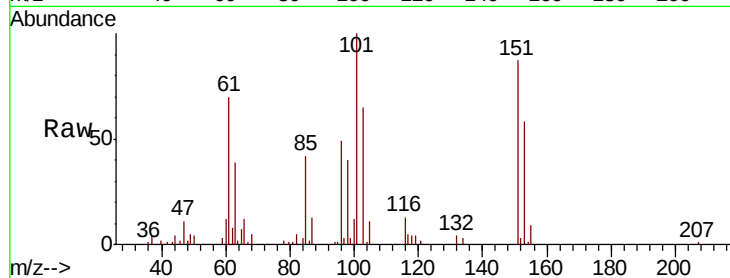
Tot Ion:101 Resp: 37391

Ion Ratio Lower Upper

101 100

85 38.8 32.5 48.7

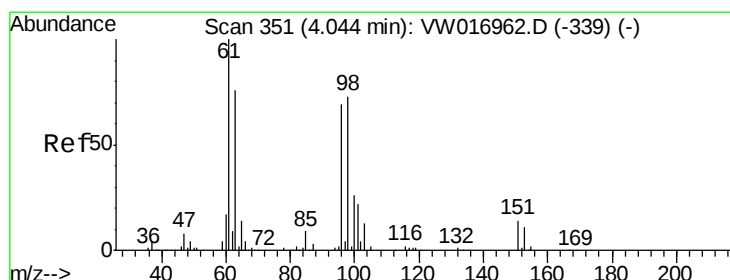
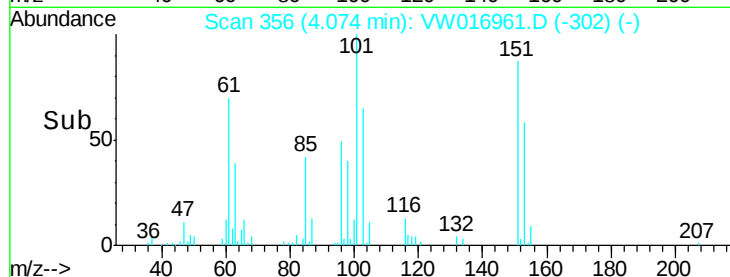
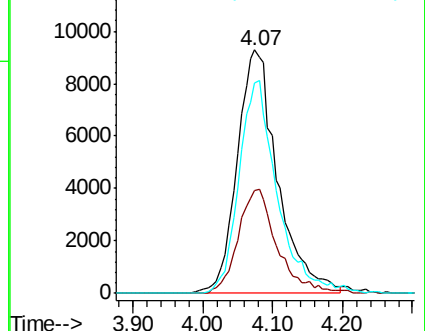
151 80.7 65.7 98.5



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: 5.078 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

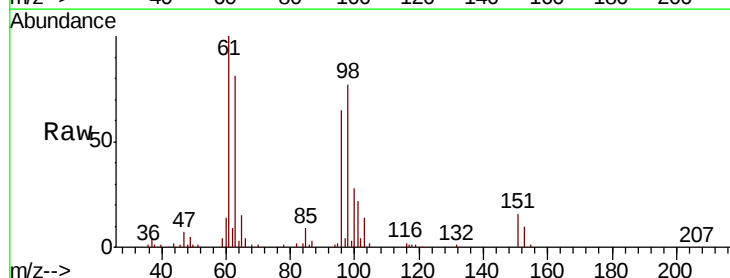
Tgt Ion: 96 Resp: 35147

Ion Ratio Lower Upper

96 100

61 152.9 101.4 188.4

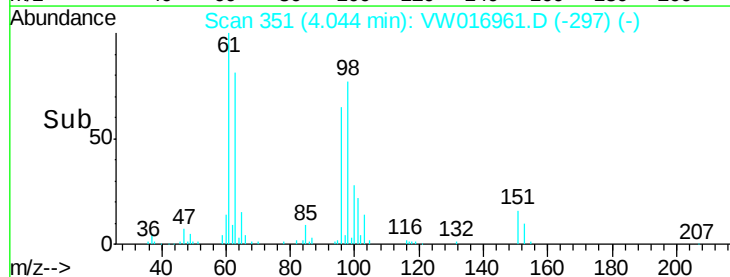
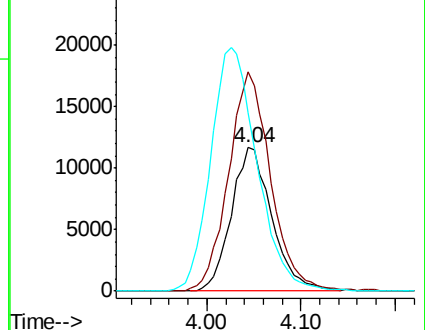
63 124.4 78.5 145.9

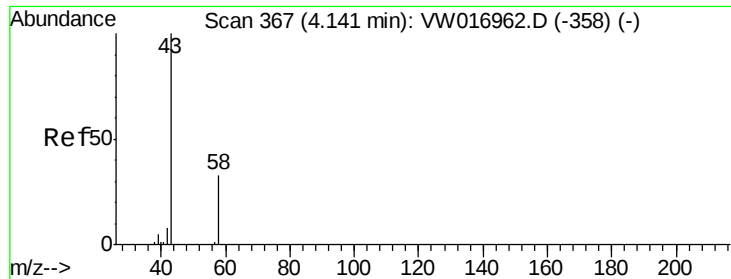


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 8.946 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

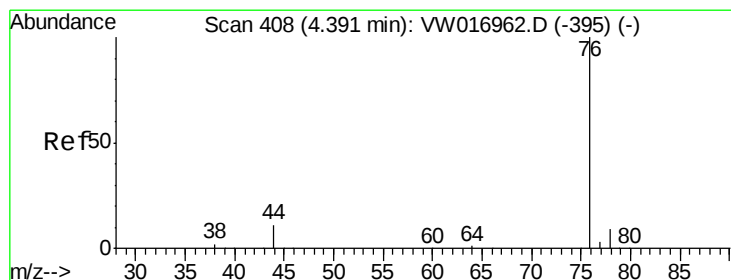
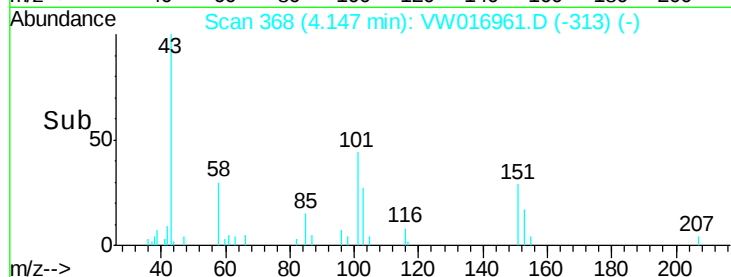
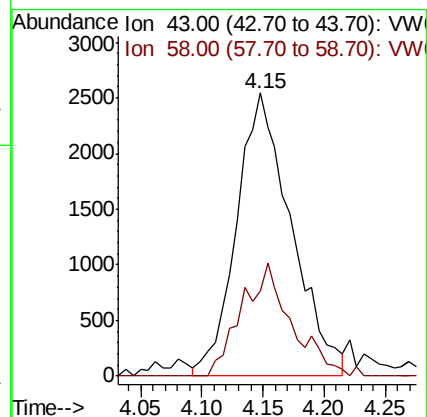
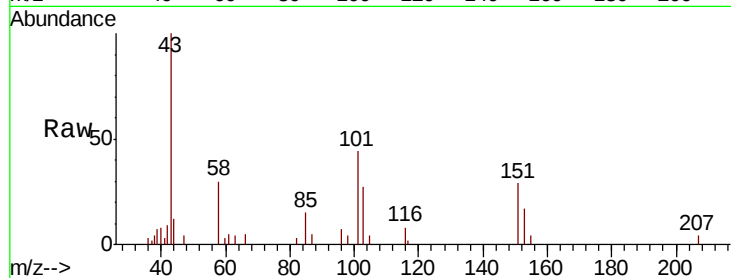
VSTD00504

Tot Ion: 43 Resp: 7920

Ion Ratio Lower Upper

43 100

58 19.7 0.0 69.8



#14

Carbon disulfide

Concen: 5.164 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW016961.D

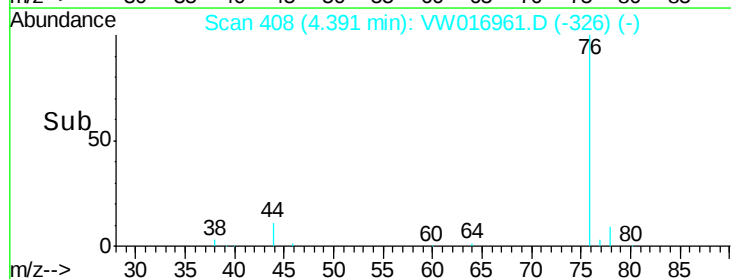
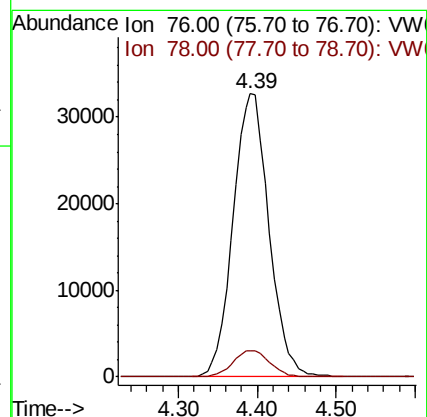
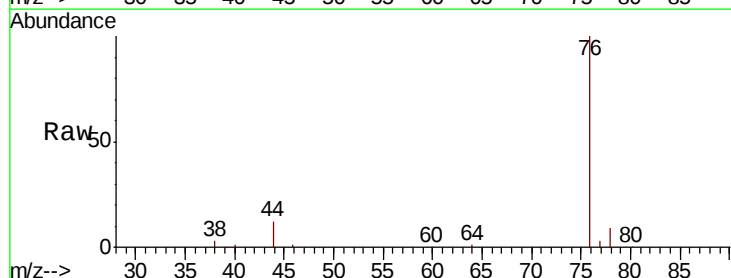
Acq: 22 Oct 2020 10:28

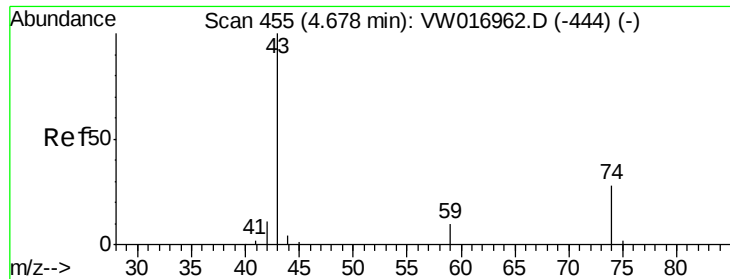
Tgt Ion: 76 Resp: 103322

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

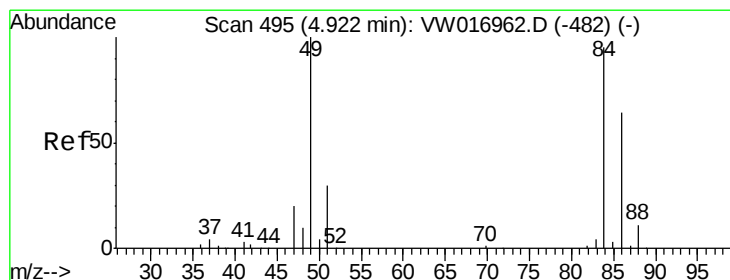
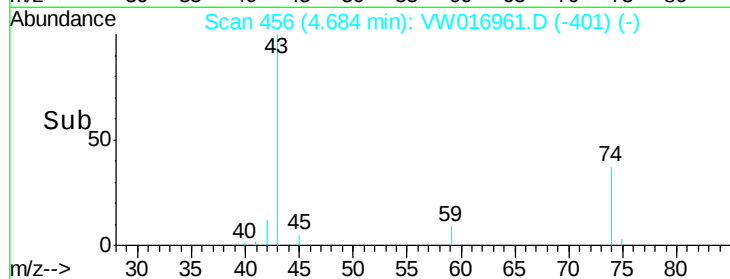
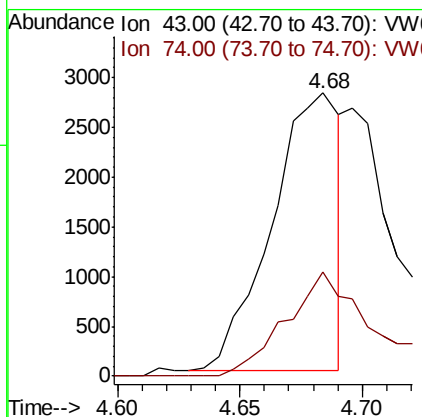
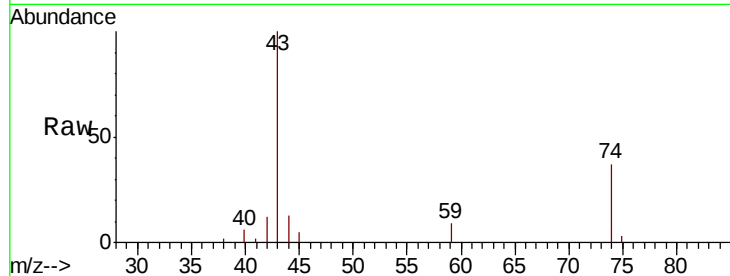




#15
Methvl Acetate
Concen: 2.556 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW016961.D
Acq: 22 Oct 2020 10:28

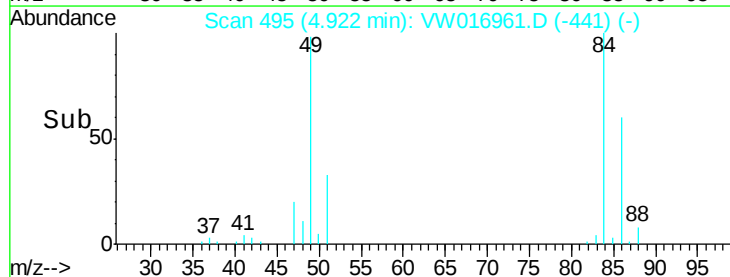
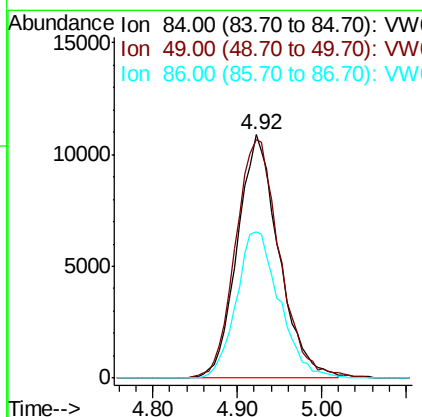
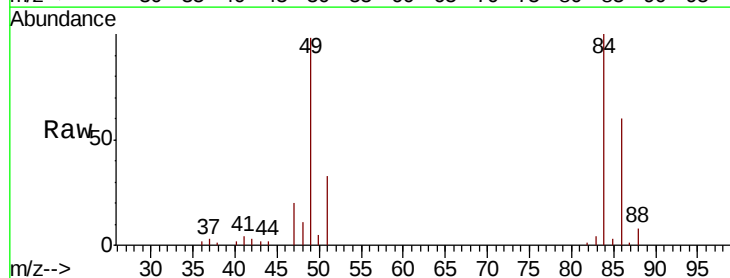
Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

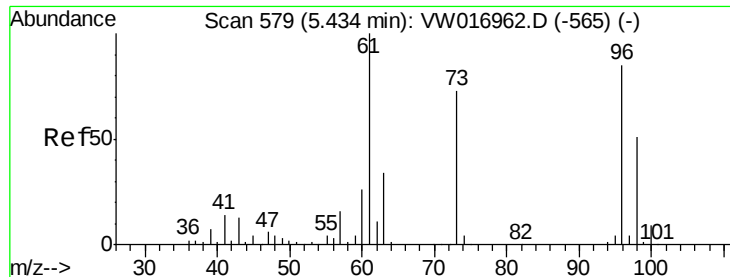
Tot Ion: 43 Resp: 5428
Ion Ratio Lower Upper
43 100
74 46.0 22.8 34.2#



#16
Methylene chloride
Concen: 4.931 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW016961.D
Acq: 22 Oct 2020 10:28

Tgt Ion: 84 Resp: 36419
Ion Ratio Lower Upper
84 100
49 97.9 73.8 137.0
86 60.1 47.4 88.0

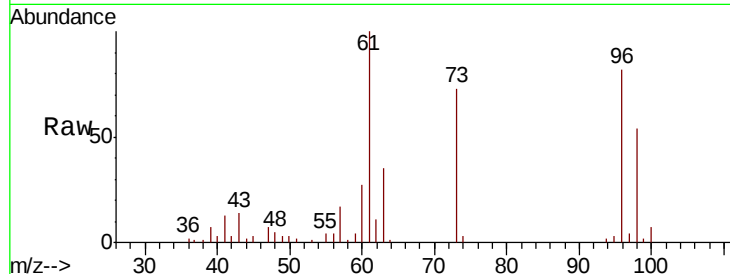




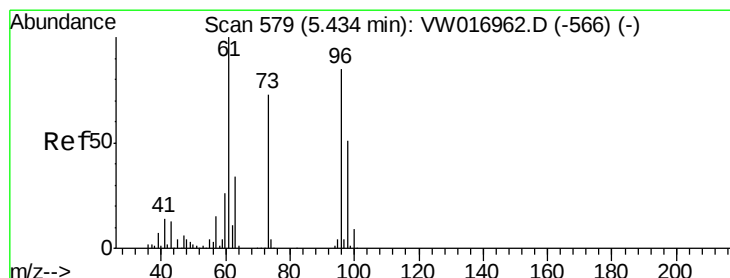
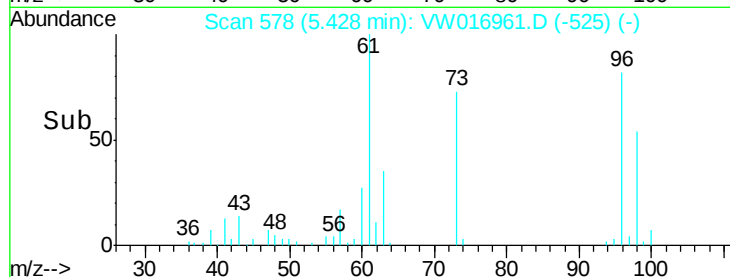
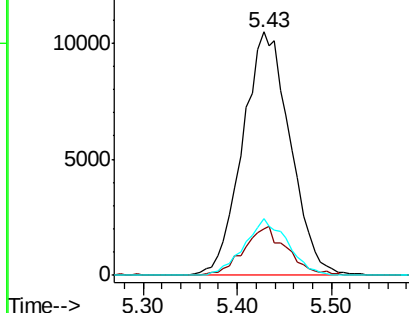
#17
Methvl tert-butvl Ether
Concen: 4.801 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW016961.D
Acq: 22 Oct 2020 10:28

Instrument :
MSVOA_W
ClientSampled :
VSTD00504

Tot Ion: 73 Resp: 37015
Ion Ratio Lower Upper
73 100
43 12.8 14.4 21.6#
57 21.1 16.6 25.0

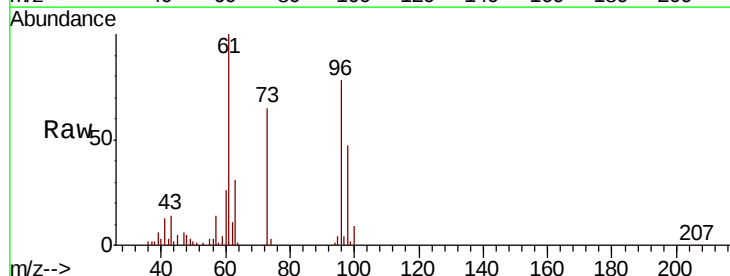


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

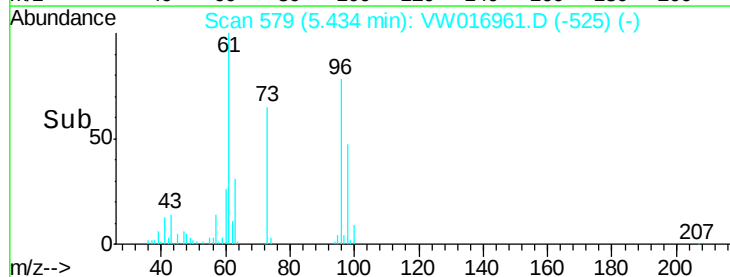
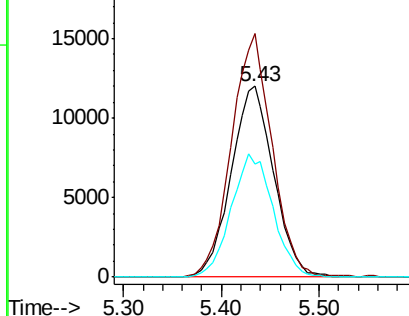


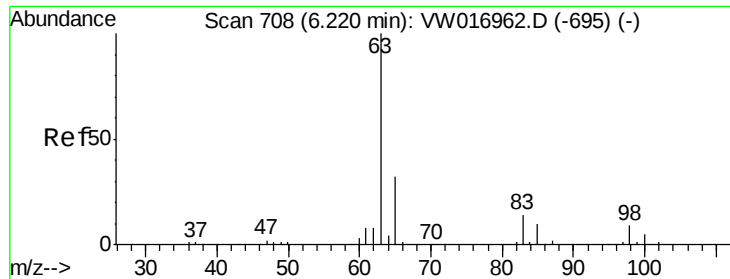
#18
trans-1,2-Dichloroethene
Concen: 4.978 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW016961.D
Acq: 22 Oct 2020 10:28

Tgt Ion: 96 Resp: 36132
Ion Ratio Lower Upper
96 100
61 127.7 82.7 153.7
98 59.5 42.6 79.0



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

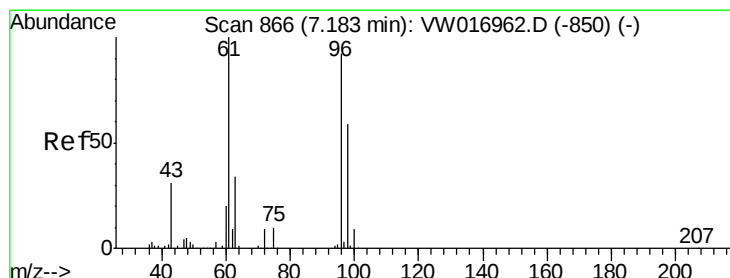
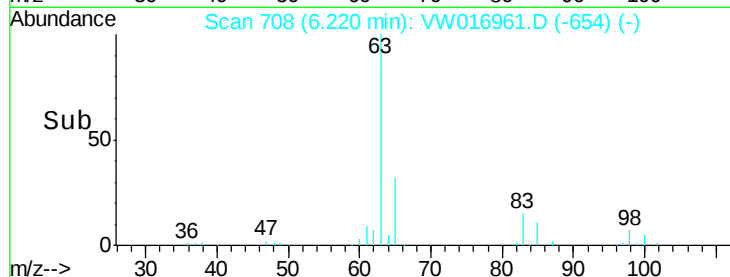
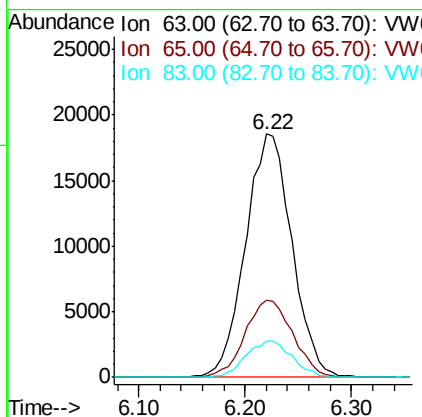
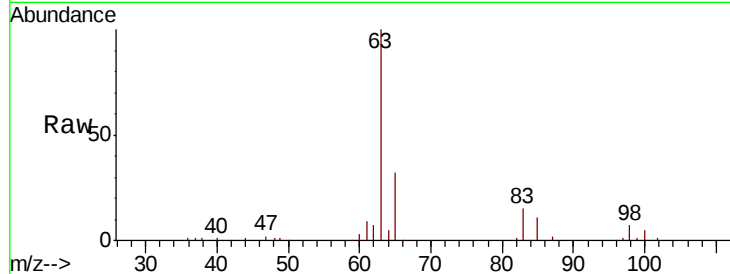




#19
 1,1-Dichloroethane
 Concen: 5.058 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW016961.D
 Acq: 22 Oct 2020 10:28

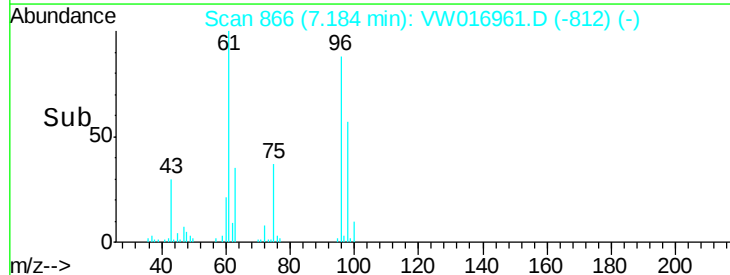
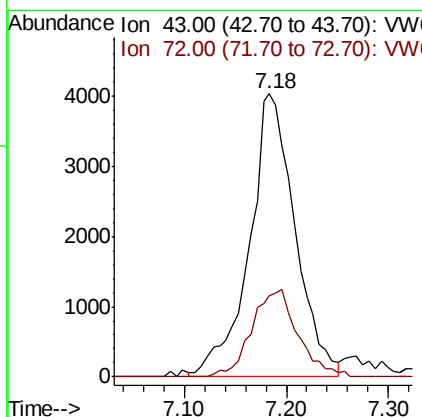
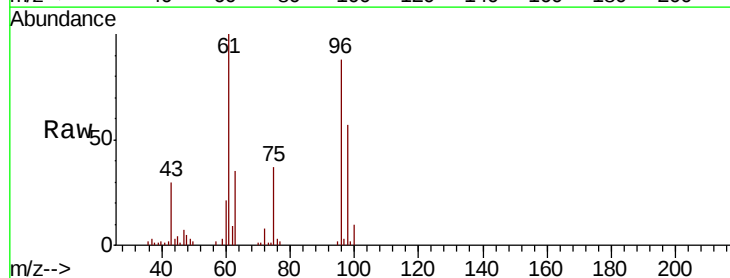
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

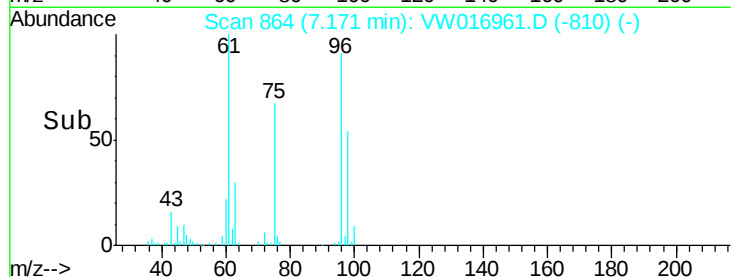
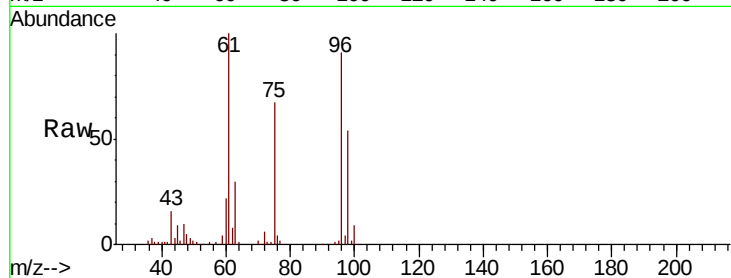
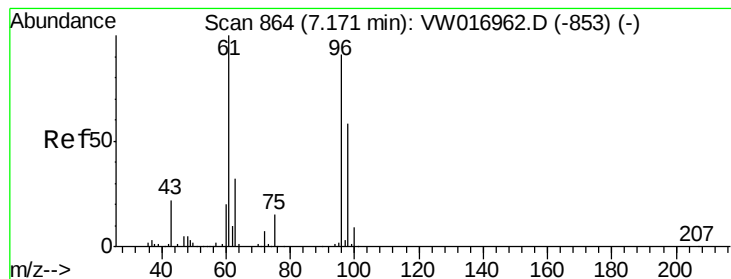
Tot Ion: 63 Resp: 56484
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.5 41.9
 83 14.7 10.1 18.9



#21
 2-Butanone
 Concen: 8.425 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VW016961.D
 Acq: 22 Oct 2020 10:28

Tgt Ion: 43 Resp: 12605
 Ion Ratio Lower Upper
 43 100
 72 31.0 16.1 48.2





#22

cis-1,2-Dichloroethene

Concen: 4.965 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

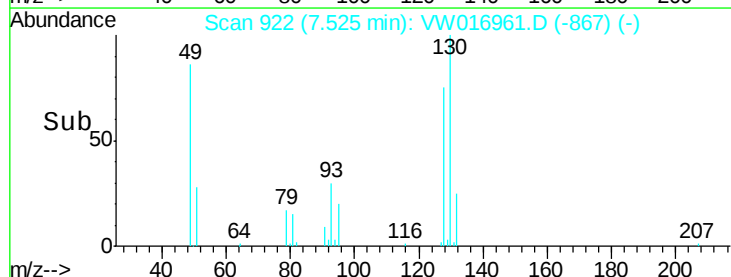
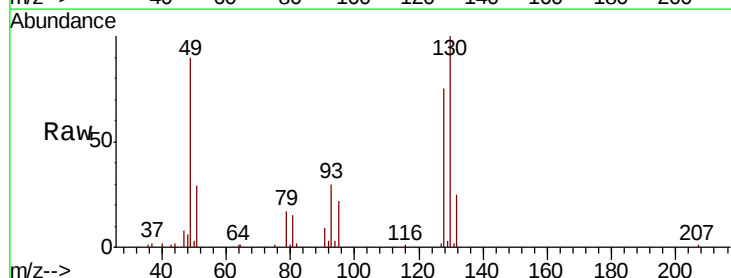
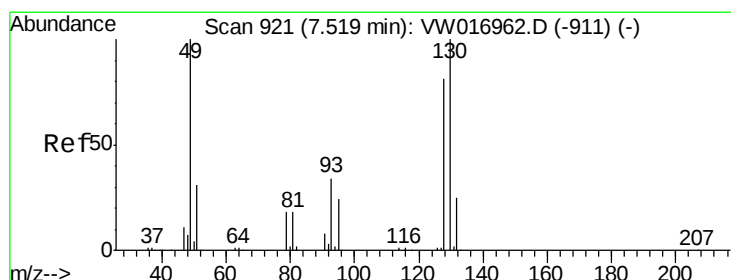
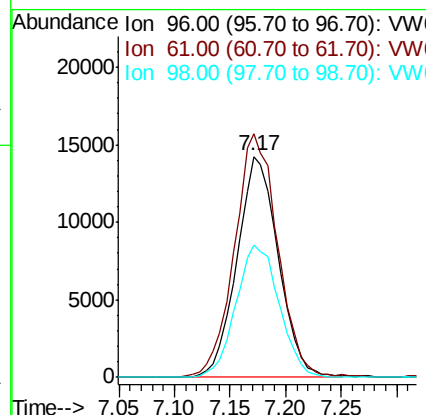
Tot Ion: 96 Resp: 36761

Ion Ratio Lower Upper

96 100

61 110.1 77.4 143.8

98 59.6 44.4 82.5



#23

Bromochloromethane

Concen: 4.933 ug/L

RT: 7.52 min Scan# 922

Delta R.T. 0.01 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

Tgt Ion: 128 Resp: 17076

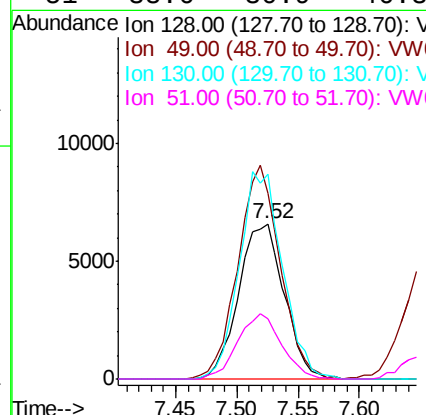
Ion Ratio Lower Upper

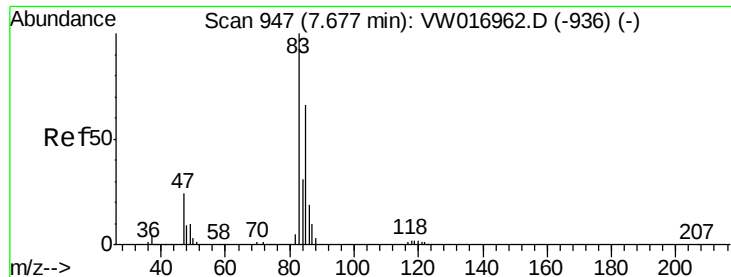
128 100

49 119.6 86.4 160.4

130 132.6 86.4 160.4

51 38.6 30.9 46.3





#25

Chloroform

Concen: 4.960 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

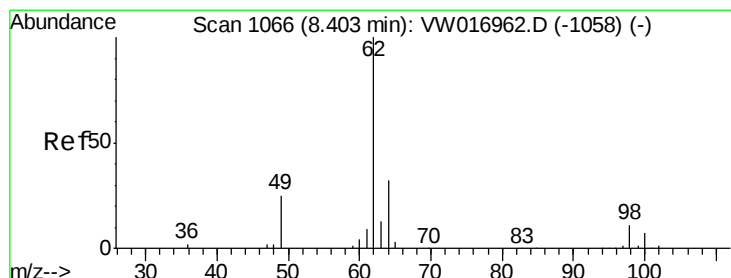
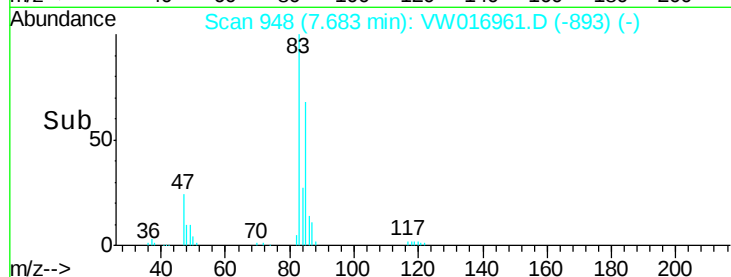
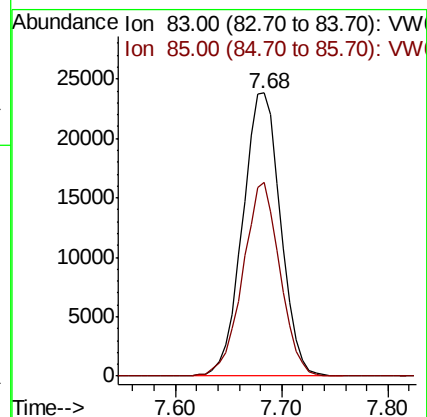
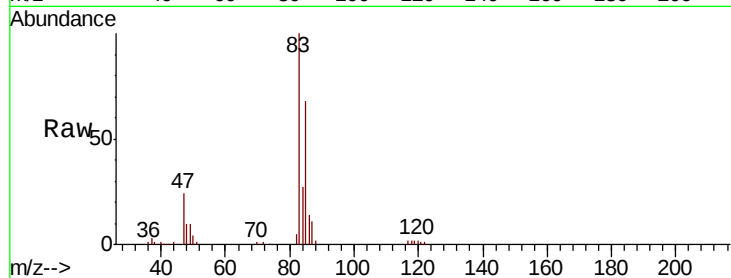
VSTD00504

Tot Ion: 83 Resp: 59717

Ion Ratio Lower Upper

83 100

85 66.8 46.6 86.6



#27

1,2-Dichloroethane

Concen: 4.794 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016961.D

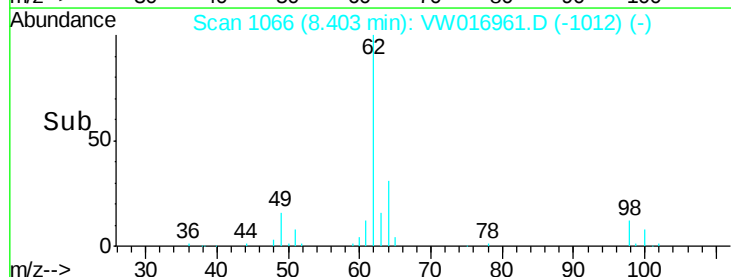
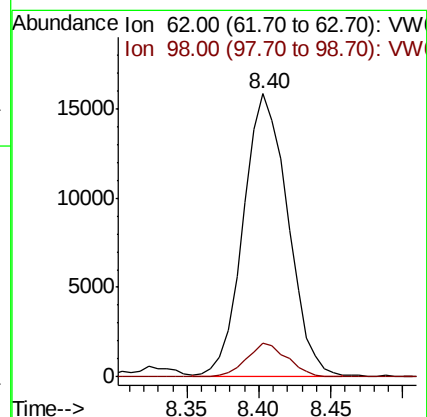
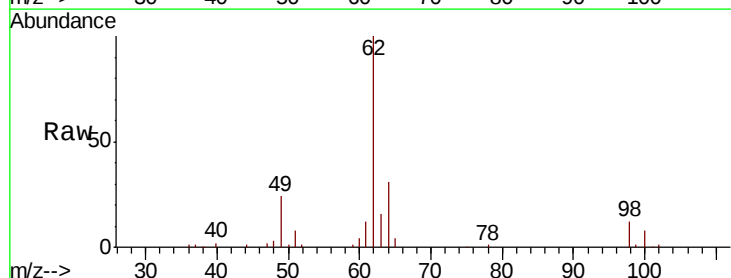
Acq: 22 Oct 2020 10:28

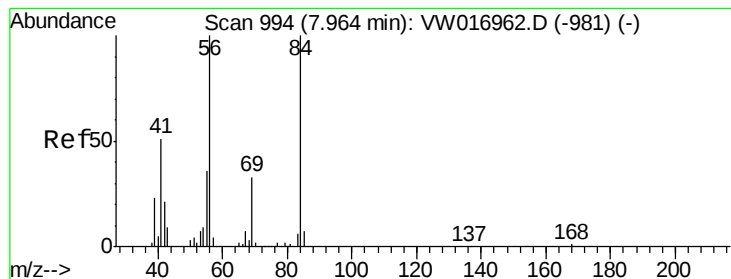
Tgt Ion: 62 Resp: 33993

Ion Ratio Lower Upper

62 100

98 12.9 8.5 12.7#





#30

Cyclohexane

Concen: 4.840 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.00 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

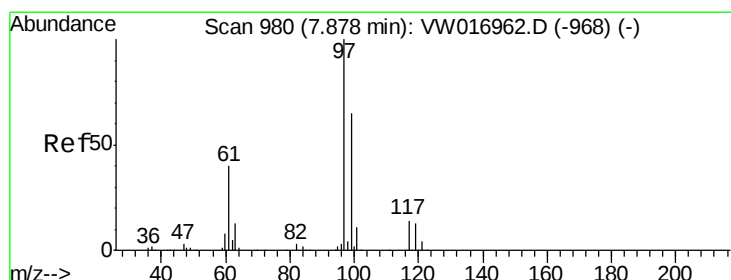
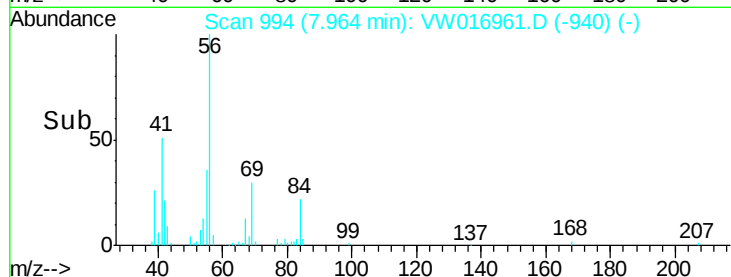
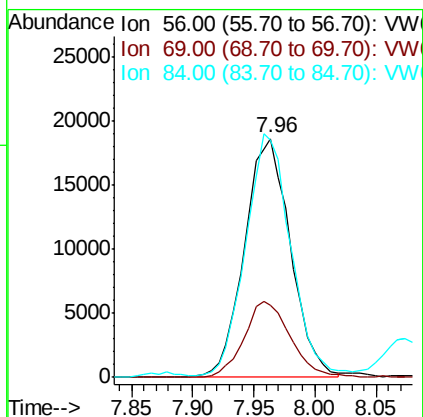
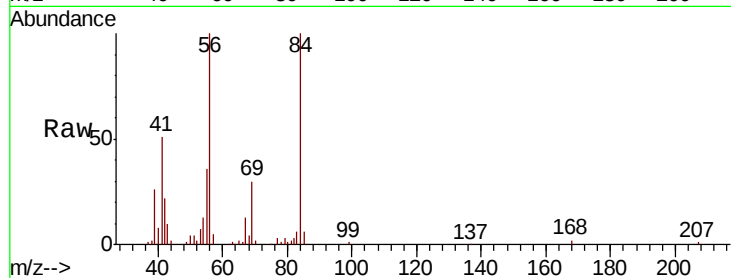
Tot Ion: 56 Resp: 48775

Ion Ratio Lower Upper

56 100

69 31.9 26.0 39.0

84 100.8 78.6 118.0



#31

1,1,1-Trichloroethane

Concen: 5.062 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

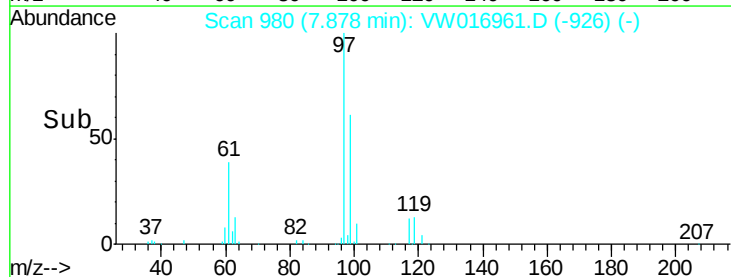
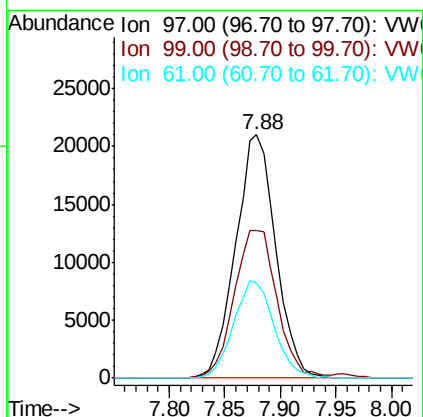
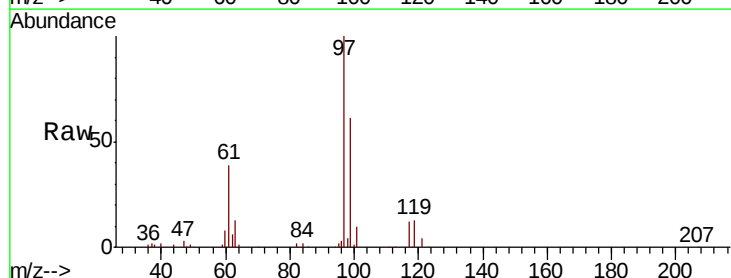
Tgt Ion: 97 Resp: 52518

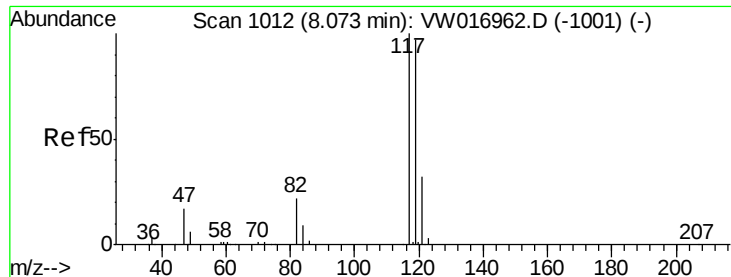
Ion Ratio Lower Upper

97 100

99 64.8 51.3 76.9

61 40.5 31.8 47.8





#32

Carbon tetrachloride

Concen: 5.034 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

Instrument :

MSVOA_W

ClientSampled :

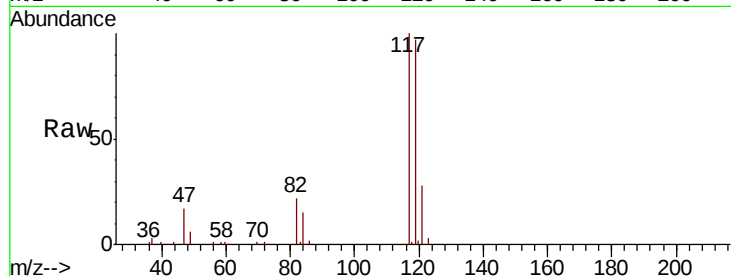
VSTD00504

Tot Ion:117 Resp: 50430

Ion Ratio Lower Upper

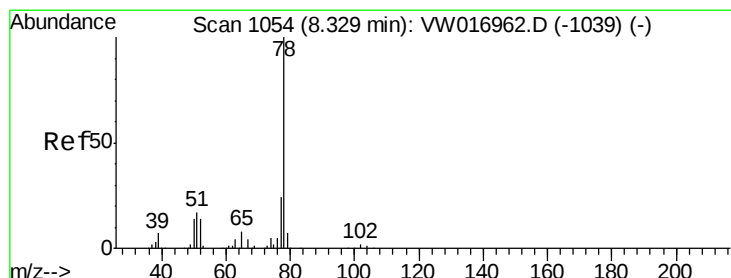
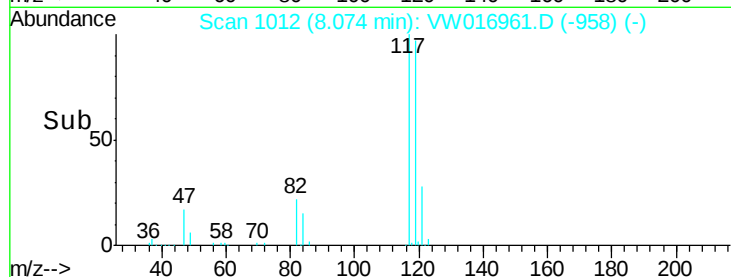
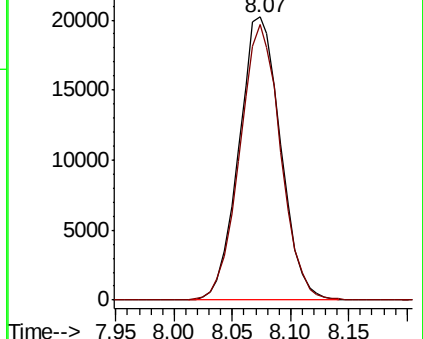
117 100

119 95.2 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 5.176 ug/L

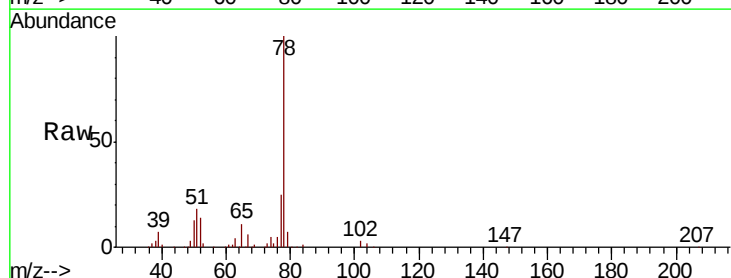
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

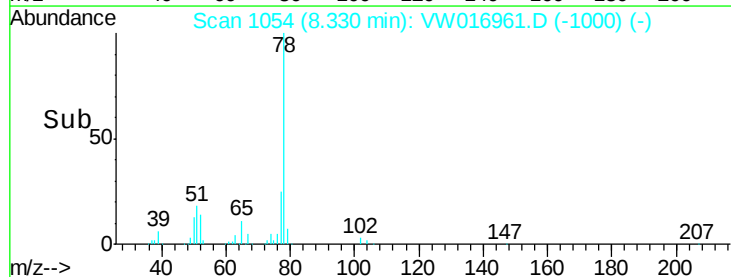
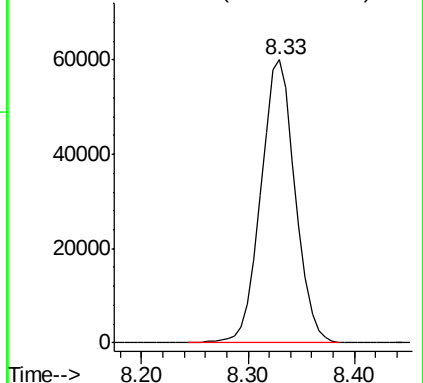
Lab File: VW016961.D

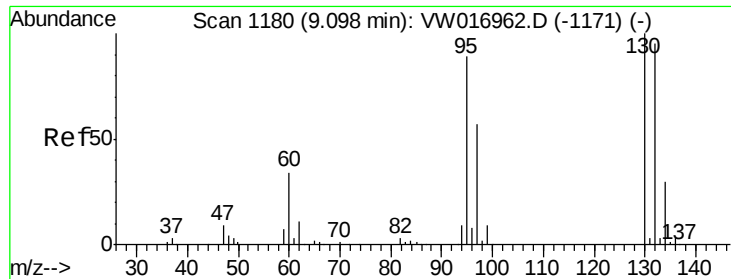
Acq: 22 Oct 2020 10:28

Tgt Ion: 78 Resp: 135022



Abundance Ion 78.00 (77.70 to 78.70): VW

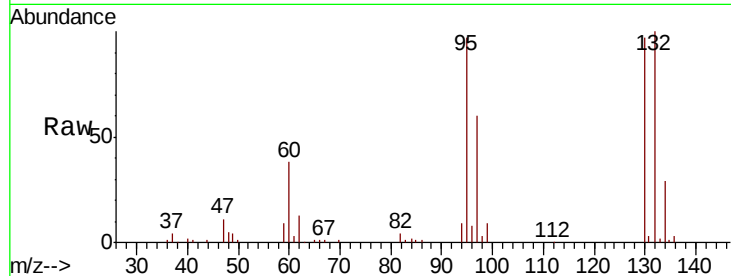




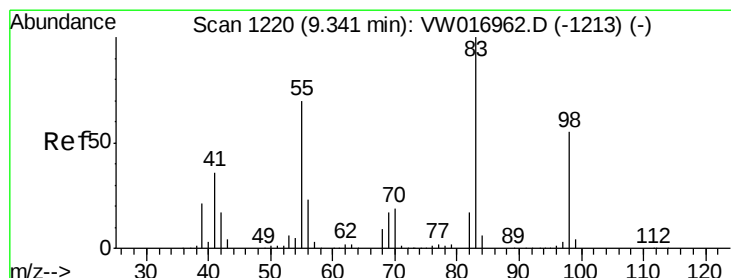
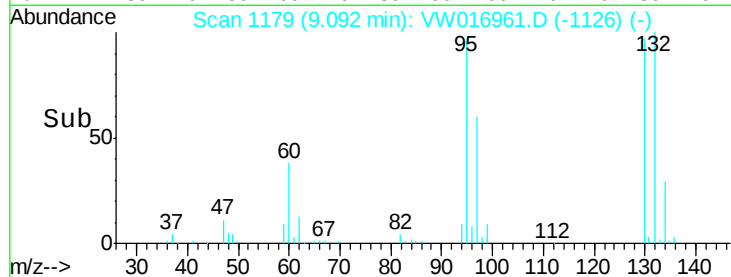
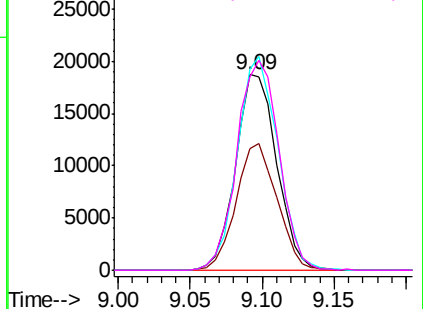
#35
 Trichloroethene
 Concen: 5.061 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VW016961.D
 Acq: 22 Oct 2020 10:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

Tot Ion: 95 Resp: 37205
 Ion Ratio Lower Upper
 95 100
 97 64.3 46.0 85.4
 132 107.4 73.9 137.3
 130 109.9 77.6 144.2

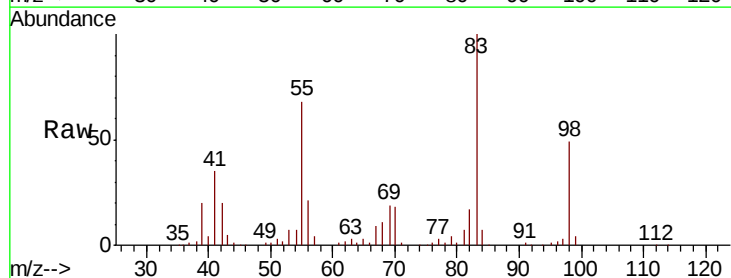


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

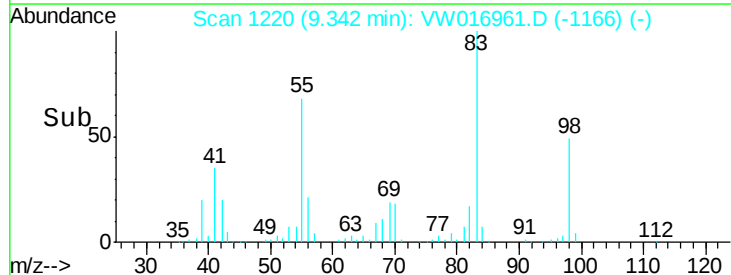
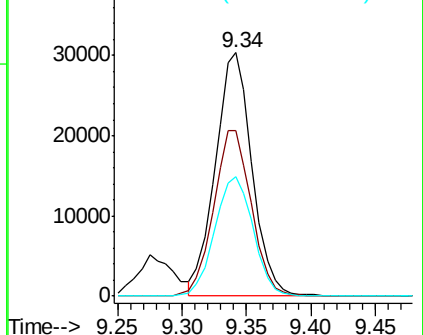


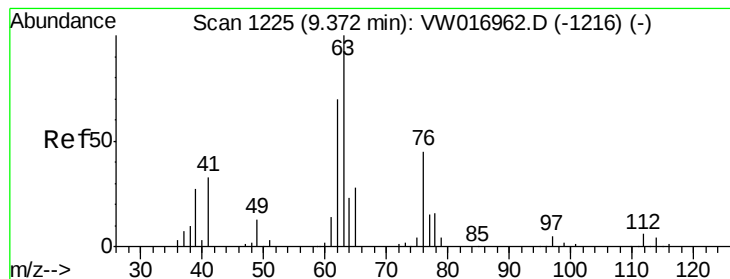
#36
 Methylcyclohexane
 Concen: 4.874 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VW016961.D
 Acq: 22 Oct 2020 10:28

Tgt Ion: 83 Resp: 60581
 Ion Ratio Lower Upper
 83 100
 55 70.3 54.5 81.7
 98 51.5 40.8 61.2



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 5.046 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

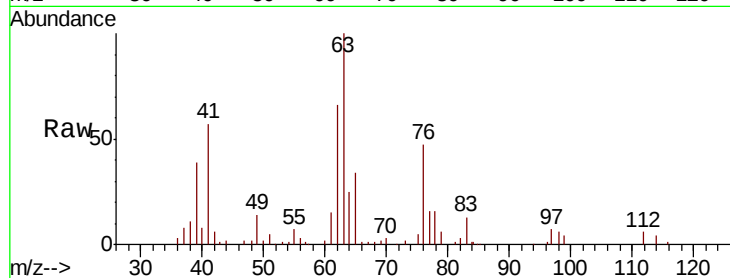
VSTD00504

Tot Ion: 63 Resp: 29790

Ion Ratio Lower Upper

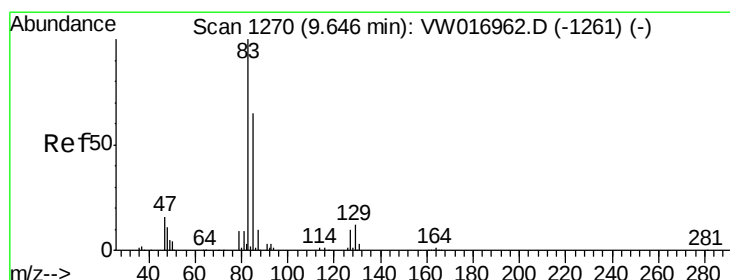
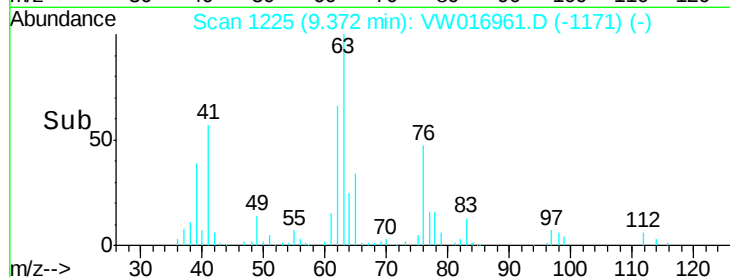
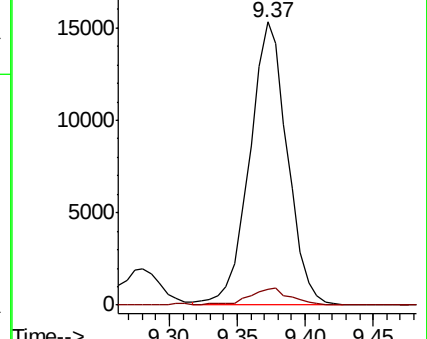
63 100

112 6.0 4.5 6.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 4.797 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

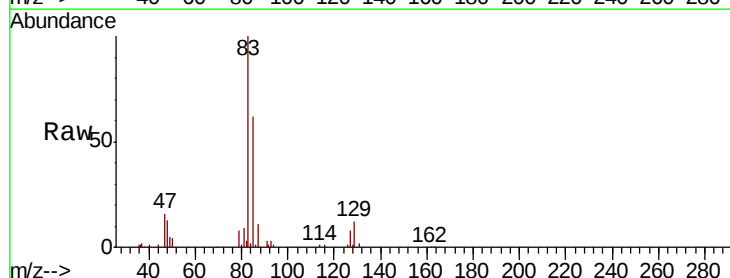
Tgt Ion: 83 Resp: 39564

Ion Ratio Lower Upper

83 100

85 62.4 45.1 83.9

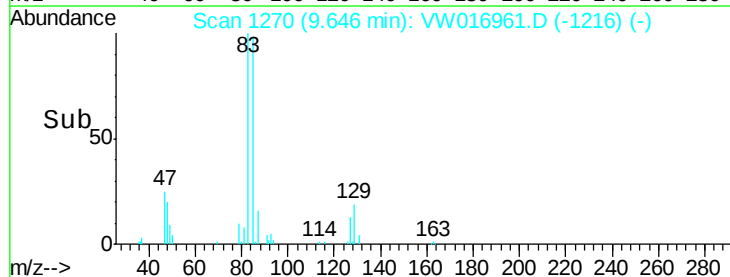
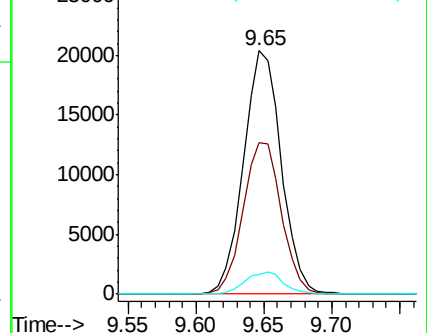
127 8.2 7.8 11.6

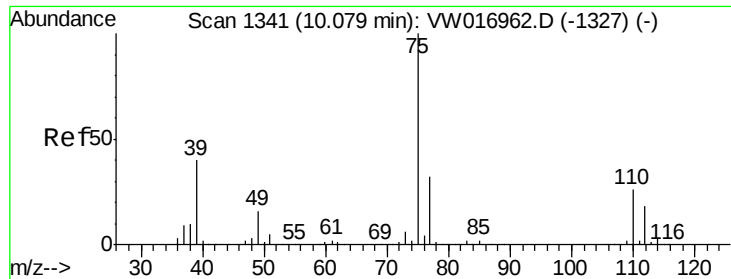


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

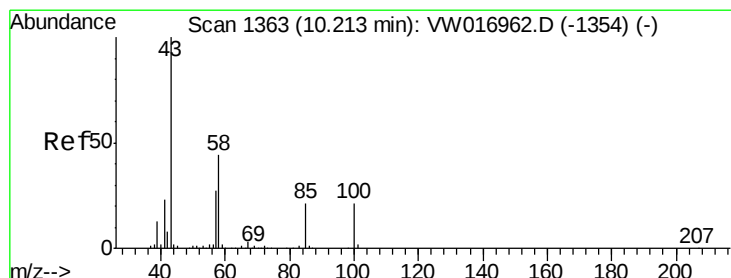
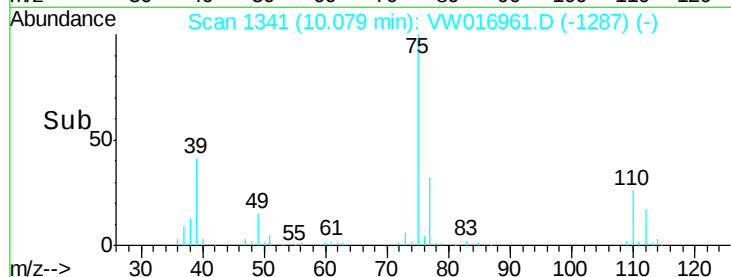
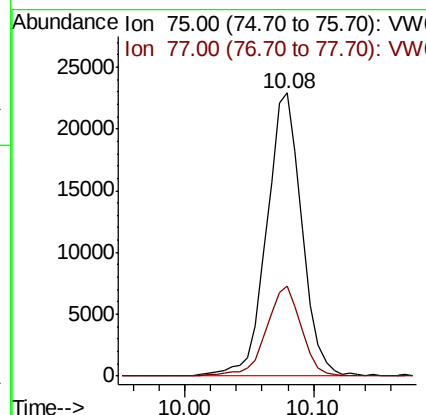
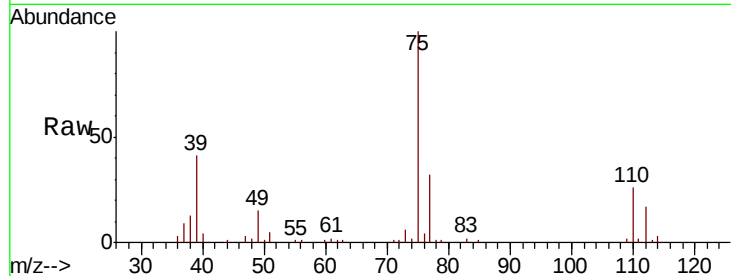




#42
 cis-1,3-Dichloropropene
 Concen: 4.622 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VW016961.D
 Acq: 22 Oct 2020 10:28

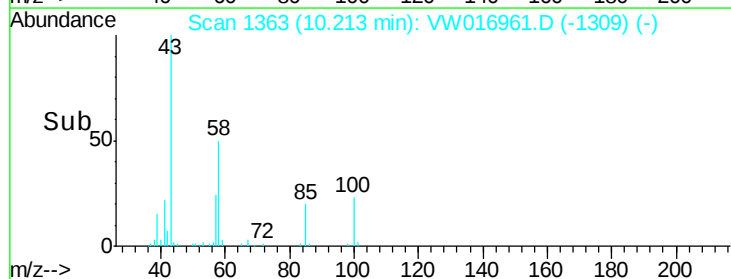
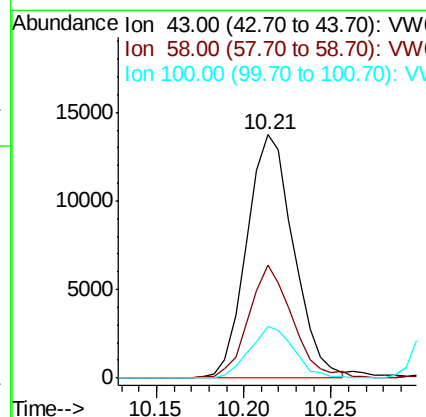
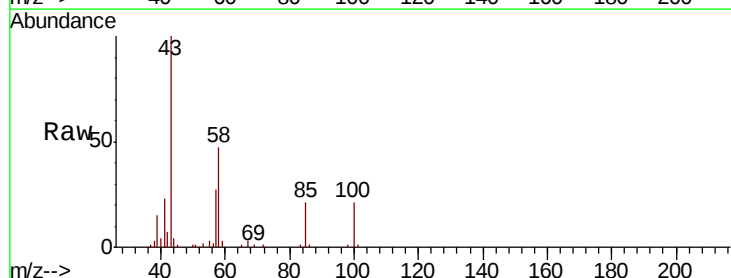
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00504

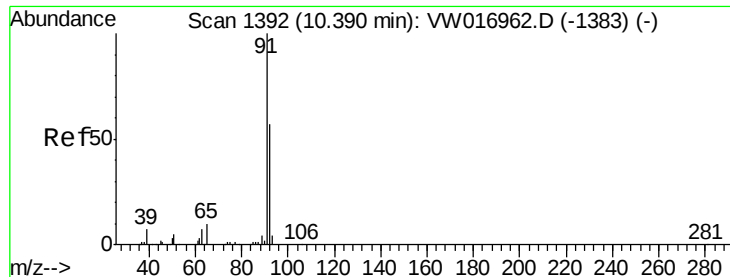
Tot Ion: 75 Resp: 43293
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.7 42.1



#43
 4-Methyl-2-pentanone
 Concen: 8.807 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016961.D
 Acq: 22 Oct 2020 10:28

Tgt Ion: 43 Resp: 25654
 Ion Ratio Lower Upper
 43 100
 58 43.2 34.4 51.6
 100 19.7 16.2 24.2





#44

Toluene

Concen: 5.016 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

Instrument :

MSVOA_W

ClientSampled :

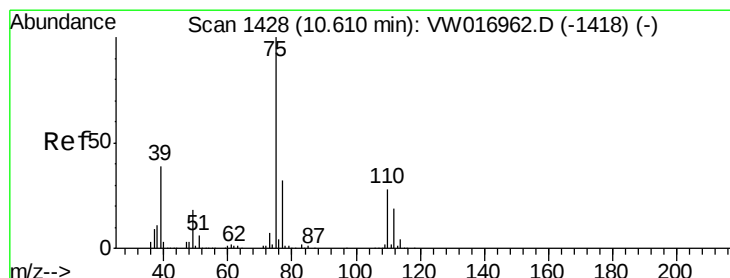
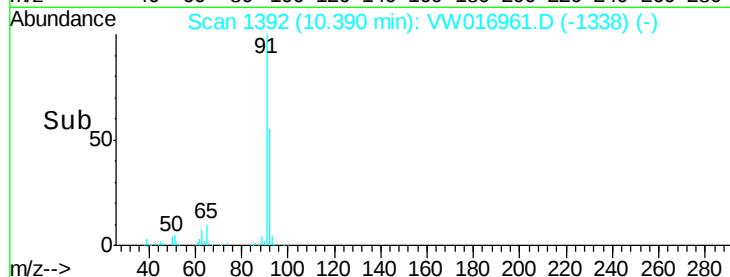
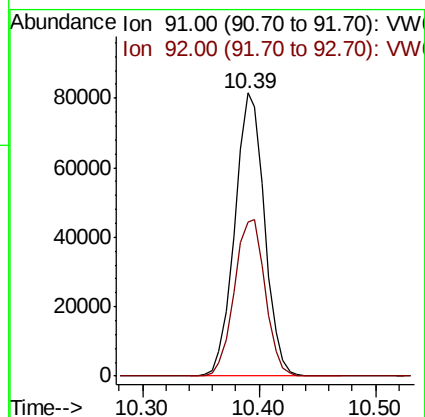
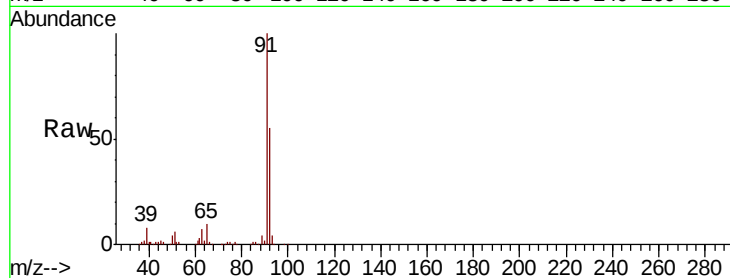
VSTD00504

Tot Ion: 91 Resp: 145199

Ion Ratio Lower Upper

91 100

92 54.6 40.1 74.5



#45

trans-1,3-Dichloropropene

Concen: 4.495 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016961.D

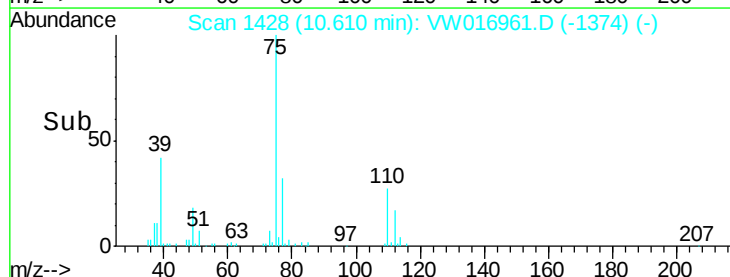
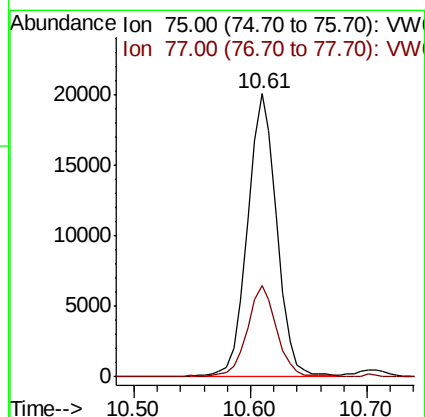
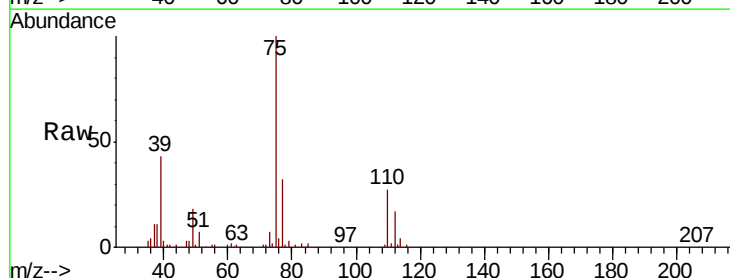
Acq: 22 Oct 2020 10:28

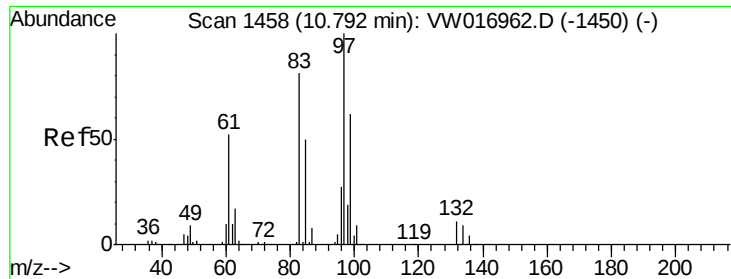
Tgt Ion: 75 Resp: 35312

Ion Ratio Lower Upper

75 100

77 32.3 22.7 42.3



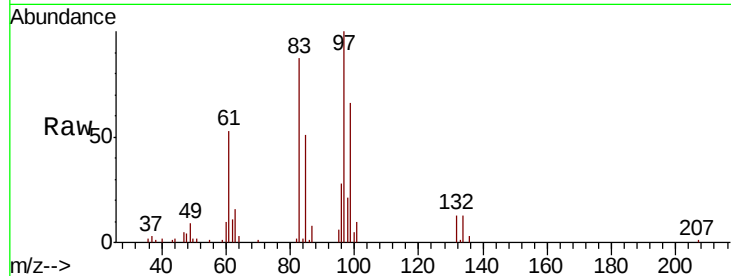


#46
 1,1,2-Trichloroethane
 Concen: 4.872 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW016961.D
 Acq: 22 Oct 2020 10:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

Tot Ion: 97 Resp: 23243

Ion	Ratio	Lower	Upper
97	100		
83	86.7	56.6	105.0
85	51.5	34.6	64.3
99	65.9	43.5	80.9



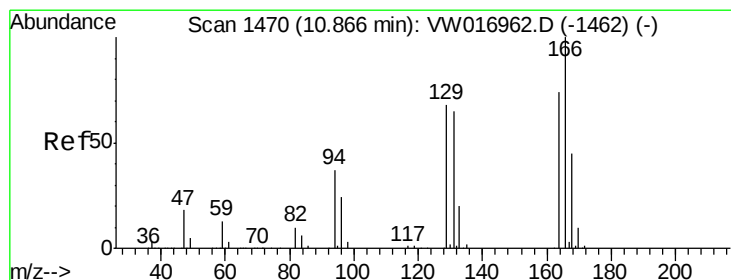
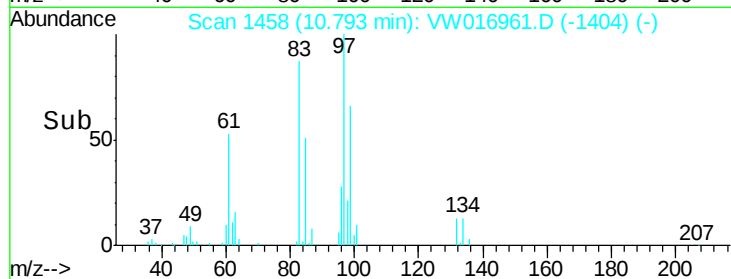
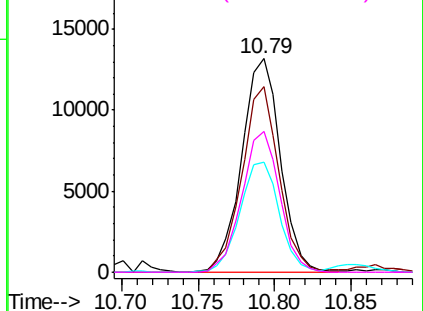
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 5.140 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016961.D
 Acq: 22 Oct 2020 10:28

Tgt Ion: 164 Resp: 35067

Ion	Ratio	Lower	Upper
164	100		
129	87.8	64.0	119.0
131	82.2	61.7	114.5
166	123.1	94.6	175.8

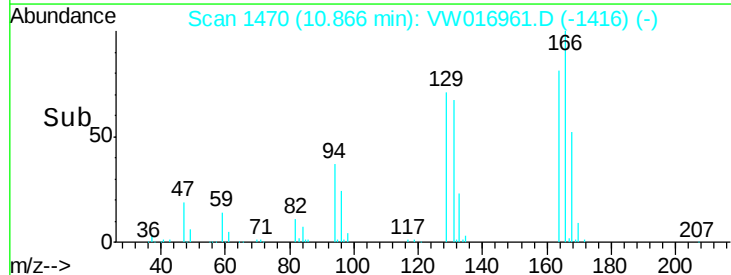
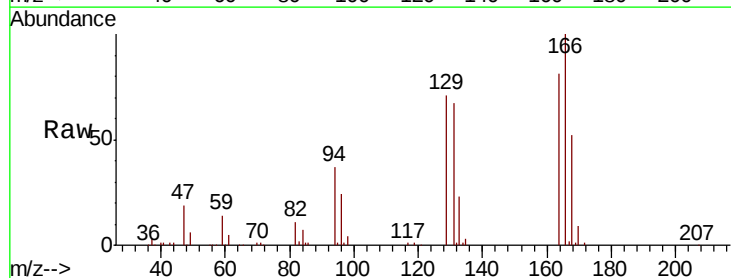
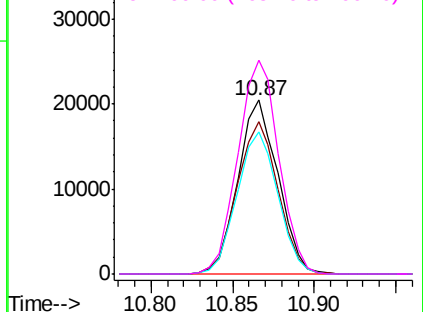
Abundance

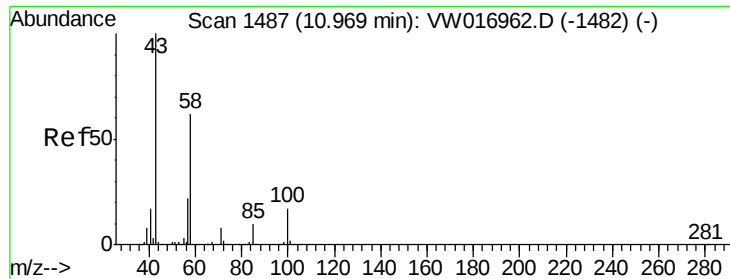
Ion 164.00 (163.70 to 164.70): V

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

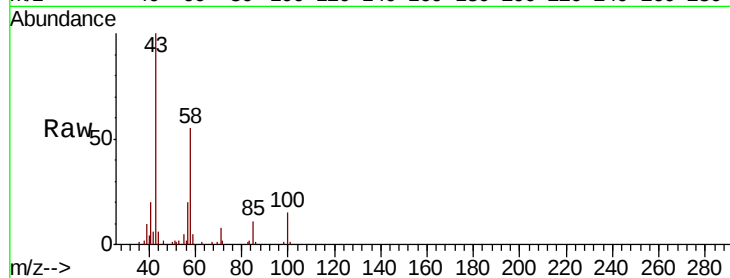




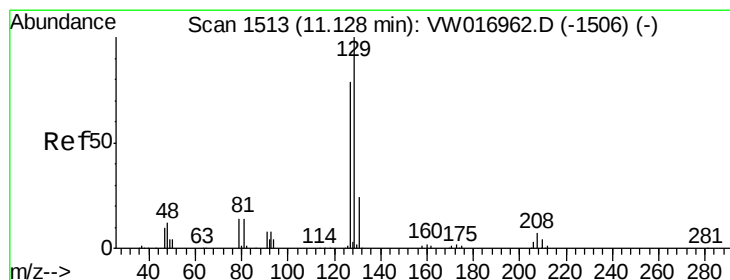
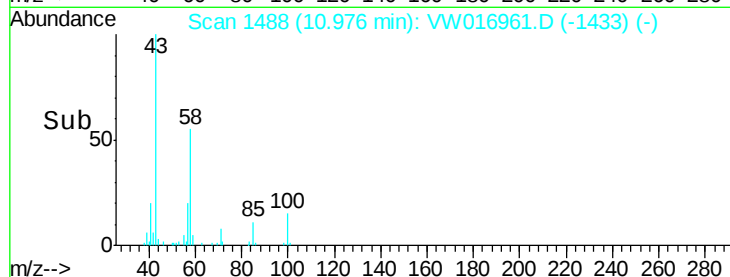
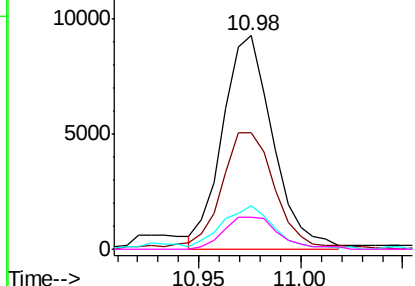
#49
2-Hexanone
Concen: 8.302 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW016961.D
Acq: 22 Oct 2020 10:28

Instrument :
MSVOA_W
ClientSampled :
VSTD00504

Tot Ion:	43	Resp:	15873
Ion	Ratio	Lower	Upper
43	100		
58	58.7	49.2	73.8
57	21.3	17.0	25.4
100	16.4	13.2	19.8

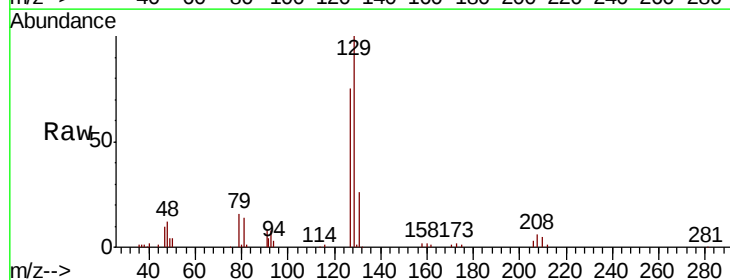


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

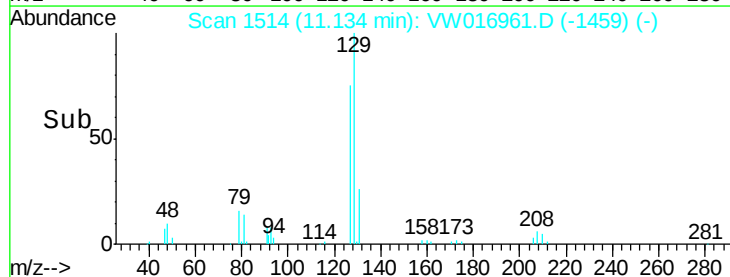
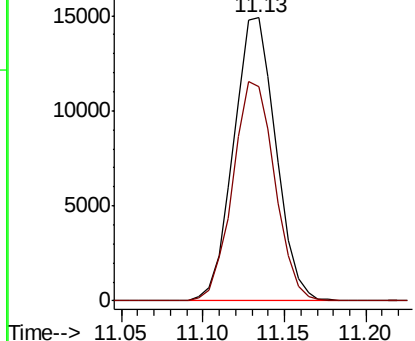


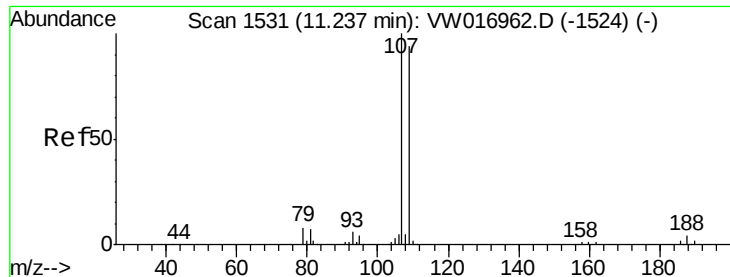
#50
Dibromochloromethane
Concen: 4.558 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW016961.D
Acq: 22 Oct 2020 10:28

Tgt Ion:	129	Resp:	26888
Ion	Ratio	Lower	Upper
129	100		
127	75.5	55.4	102.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

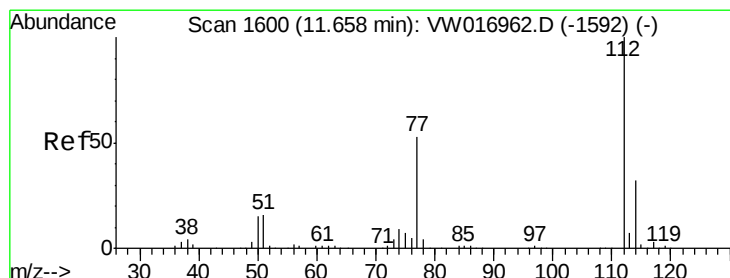
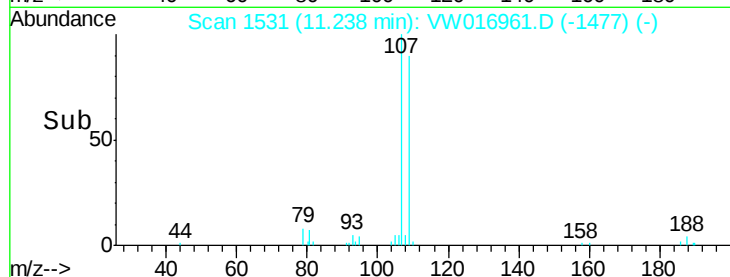
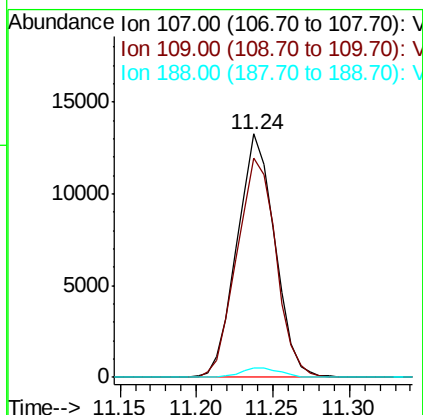
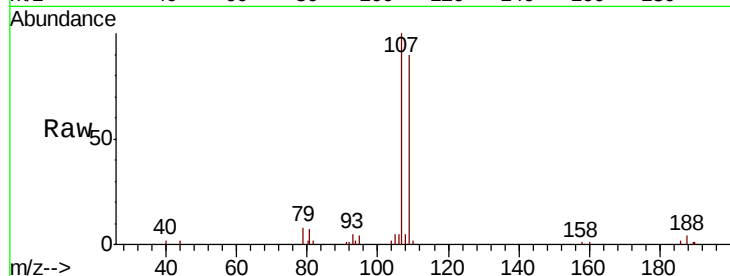




#51
 1,2-Dibromoethane
 Concen: 4.907 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016961.D
 Acq: 22 Oct 2020 10:28

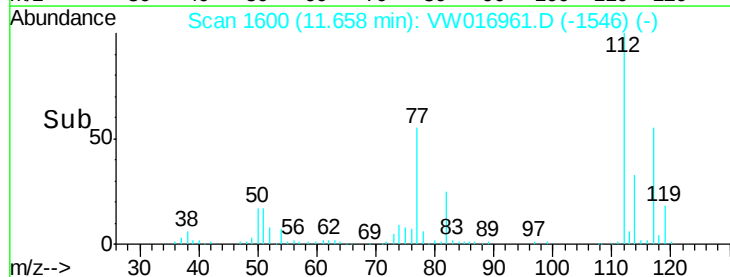
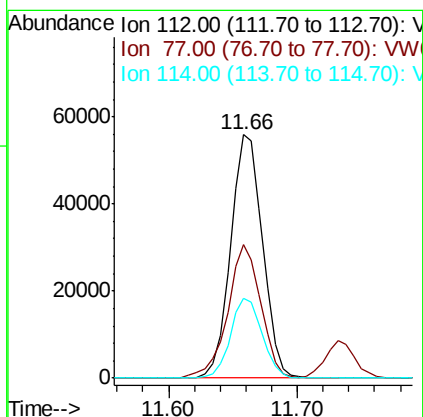
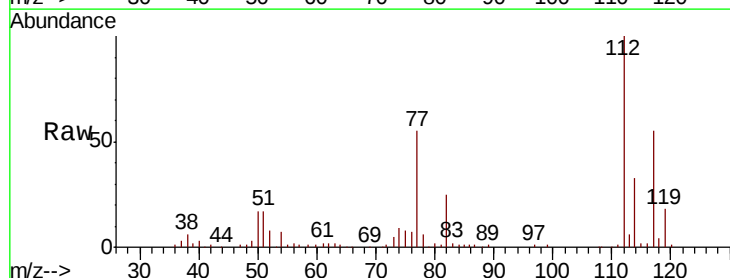
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

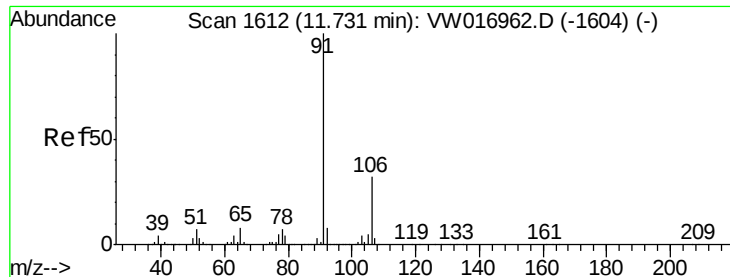
Tot Ion:107 Resp: 22792
 Ion Ratio Lower Upper
 107 100
 109 90.2 65.7 121.9
 188 3.8 3.1 4.7



#52
 Chlorobenzene
 Concen: 4.984 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016961.D
 Acq: 22 Oct 2020 10:28

Tgt Ion:112 Resp: 96426
 Ion Ratio Lower Upper
 112 100
 77 54.9 42.5 63.7
 114 32.6 22.3 41.3





#53

Ethylbenzene

Concen: 4.927 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

Instrument :

MSVOA_W

ClientSampled :

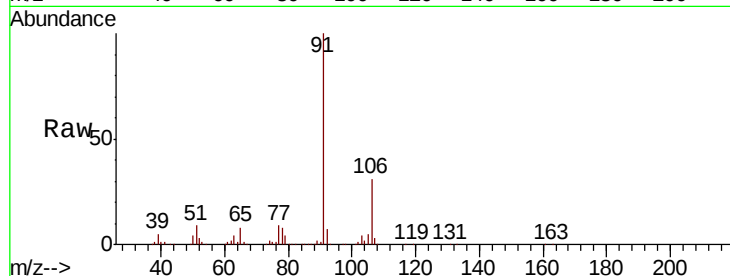
VSTD00504

Tot Ion: 91 Resp: 160272

Ion Ratio Lower Upper

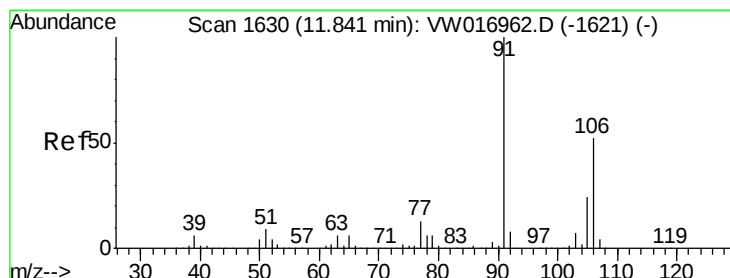
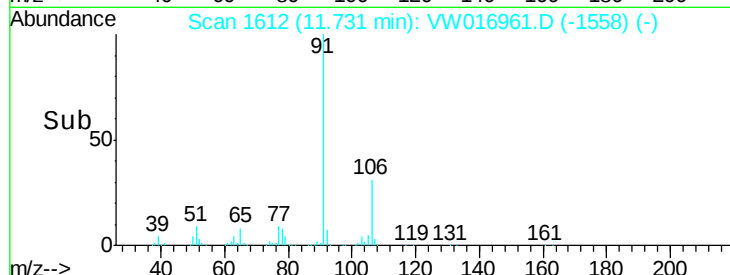
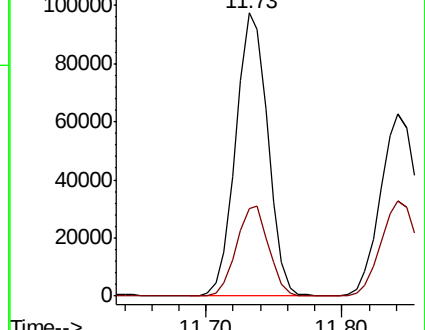
91 100

106 31.1 22.5 41.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 4.871 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016961.D

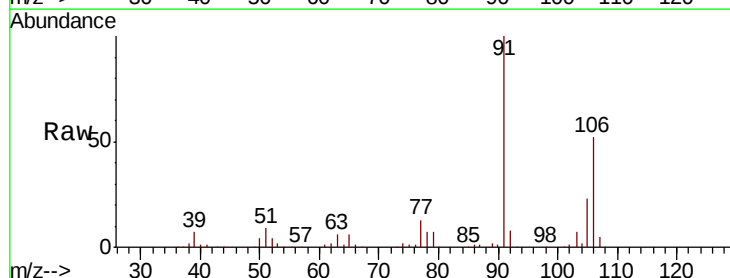
Acq: 22 Oct 2020 10:28

Tgt Ion: 106 Resp: 61590

Ion Ratio Lower Upper

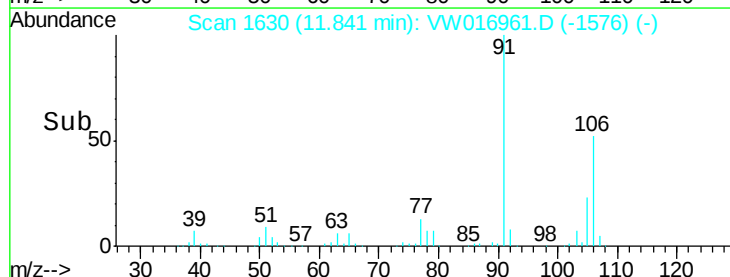
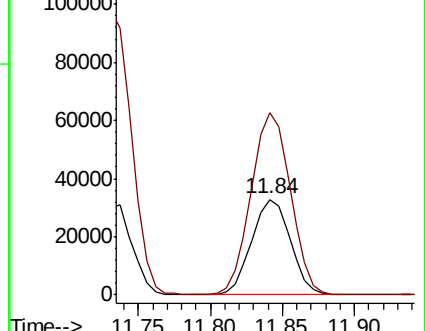
106 100

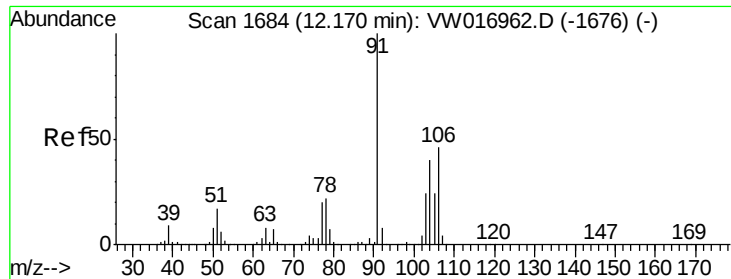
91 190.9 134.2 249.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

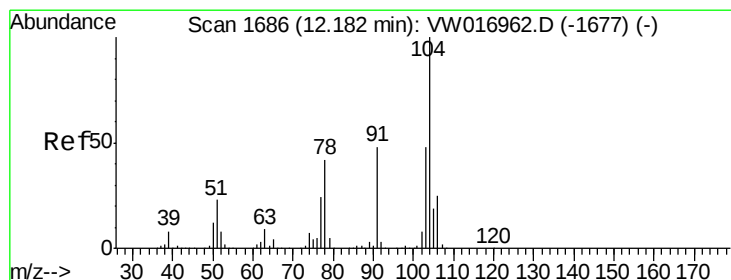
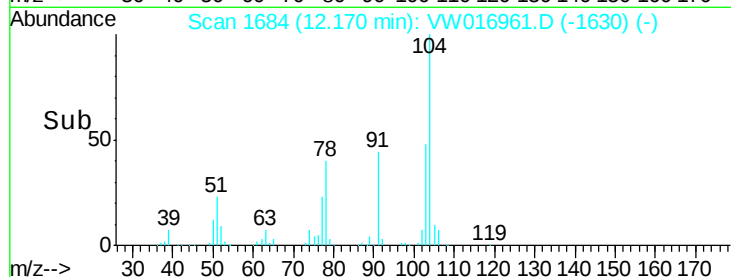
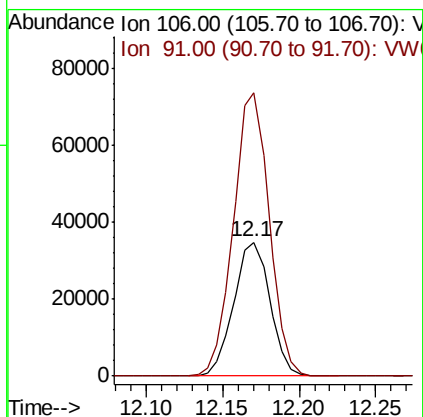
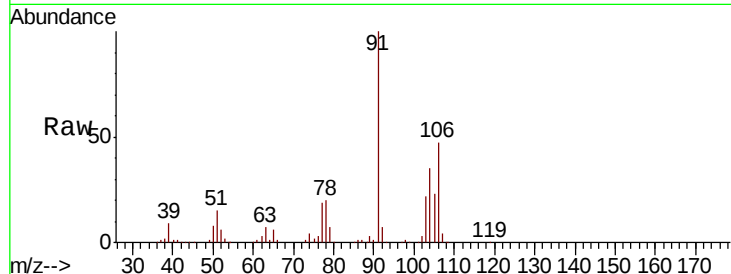




#55
o-xylene
Concen: 4.816 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016961.D
Acq: 22 Oct 2020 10:28

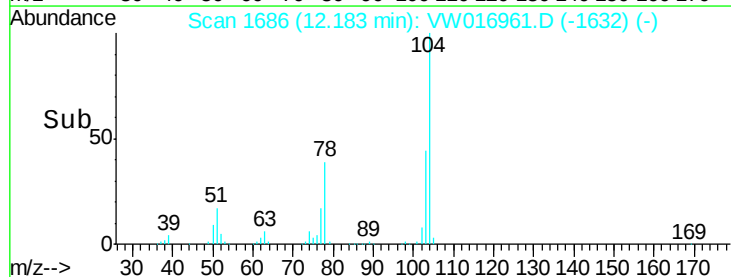
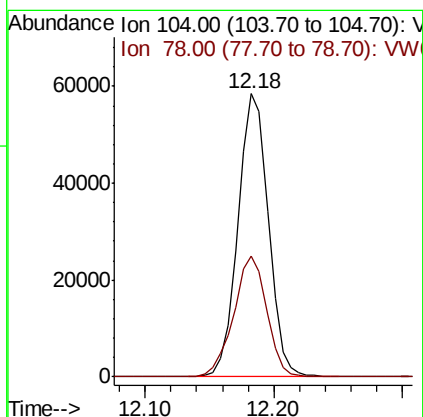
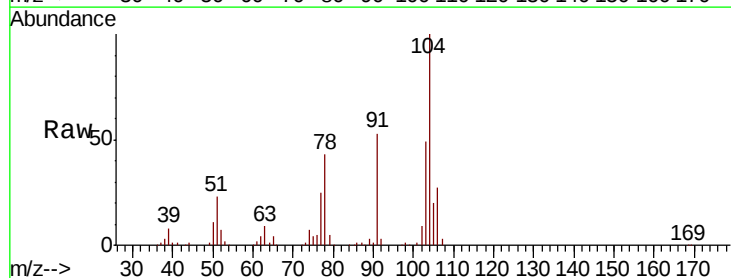
Instrument :
MSVOA_W
ClientSampled :
VSTD00504

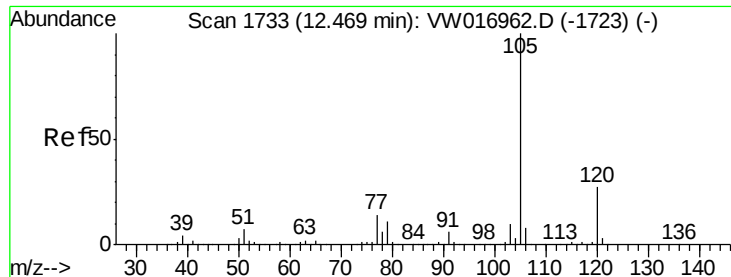
Tot Ion:106 Resp: 57575
Ion Ratio Lower Upper
106 100
91 211.7 150.9 280.3



#56
Styrene
Concen: 4.799 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016961.D
Acq: 22 Oct 2020 10:28

Tgt Ion:104 Resp: 95540
Ion Ratio Lower Upper
104 100
78 42.6 29.3 54.5





#57

Isopropylbenzene

Concen: 4.798 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

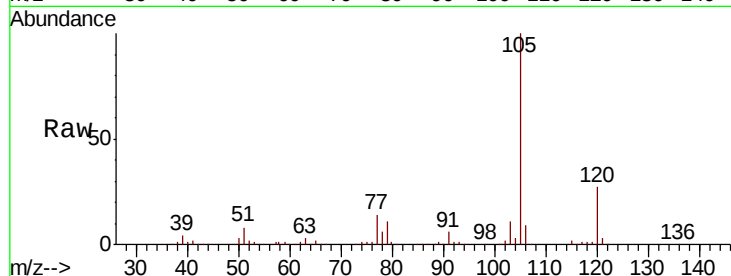
Tot Ion:105 Resp: 158241

Ion Ratio Lower Upper

105 100

120 27.0 21.4 32.2

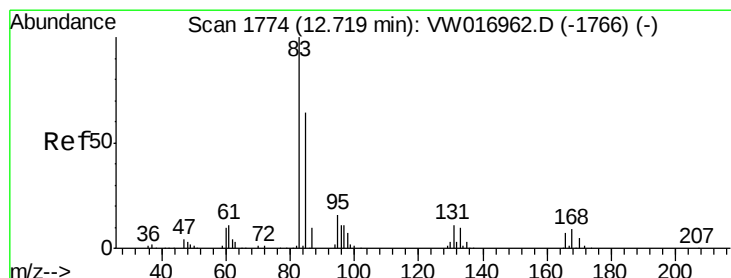
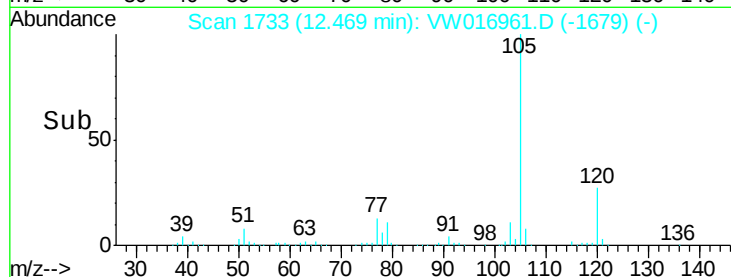
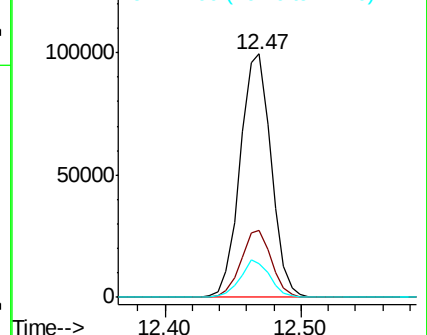
77 14.5 11.4 17.2



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: 4.778 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

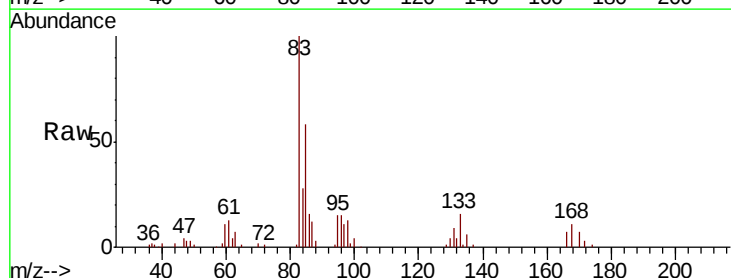
Tgt Ion: 83 Resp: 24941

Ion Ratio Lower Upper

83 100

85 58.3 45.1 83.7

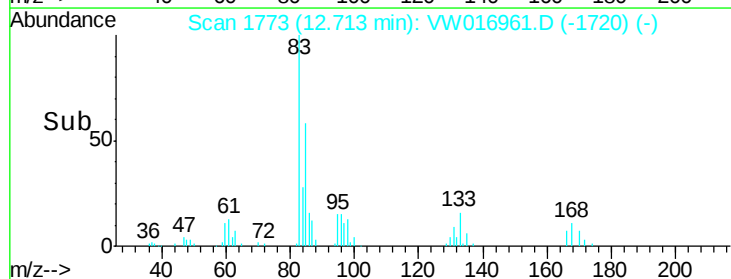
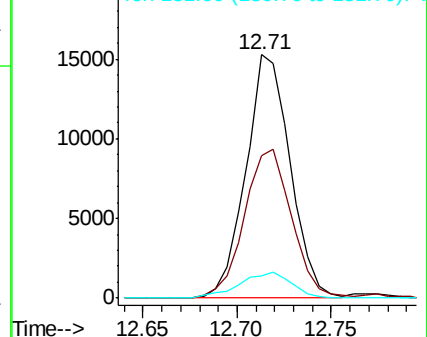
131 9.1 9.1 13.7

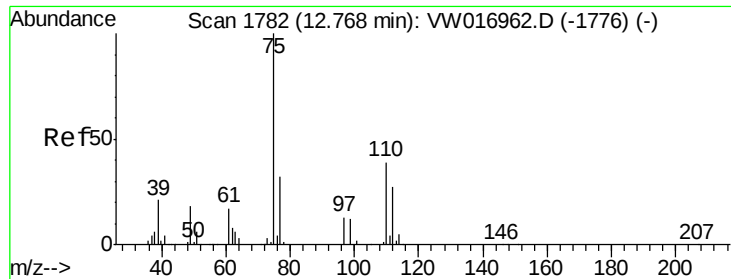


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 4.665 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

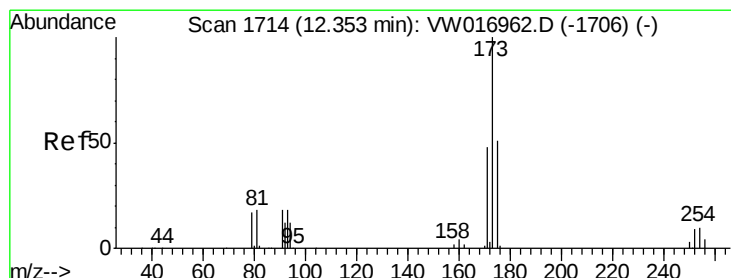
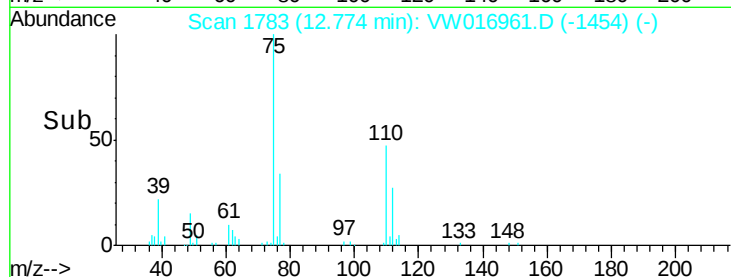
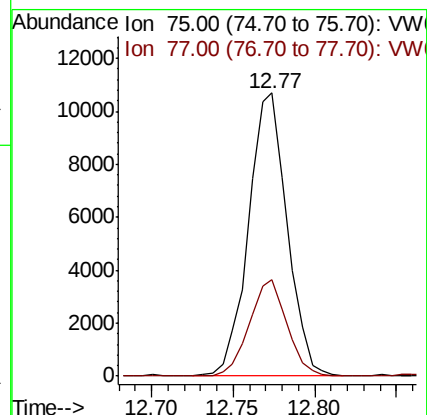
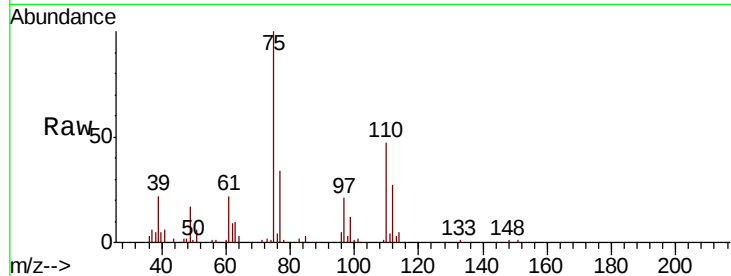
VSTD00504

Tot Ion: 75 Resp: 17633

Ion Ratio Lower Upper

75 100

77 33.2 25.8 38.8



#62

Bromoform

Concen: 4.518 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

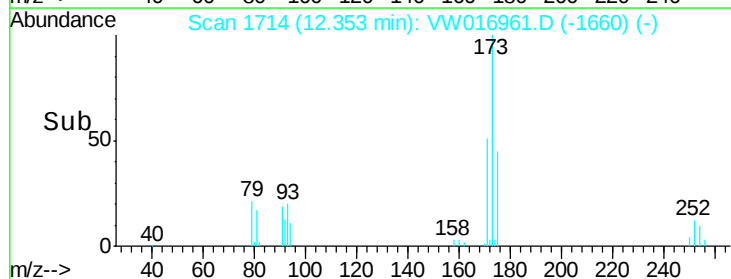
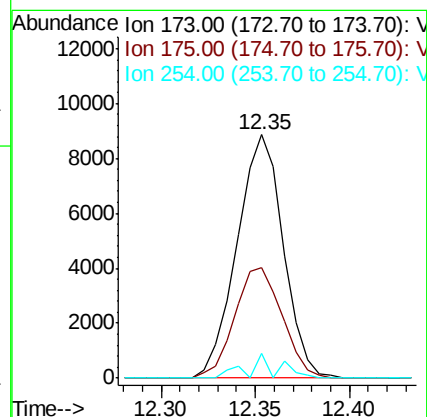
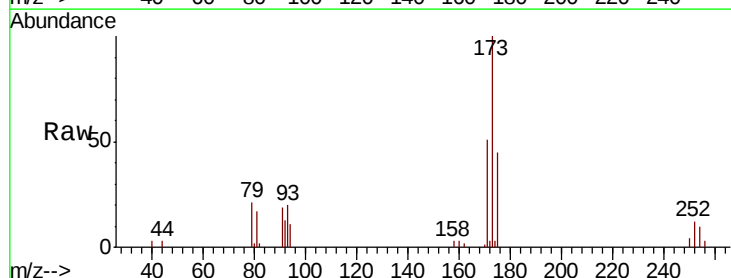
Tgt Ion: 173 Resp: 15077

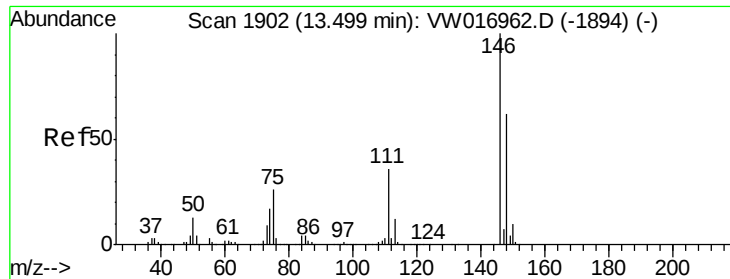
Ion Ratio Lower Upper

173 100

175 46.5 38.3 57.5

254 2.2 7.8 11.6#

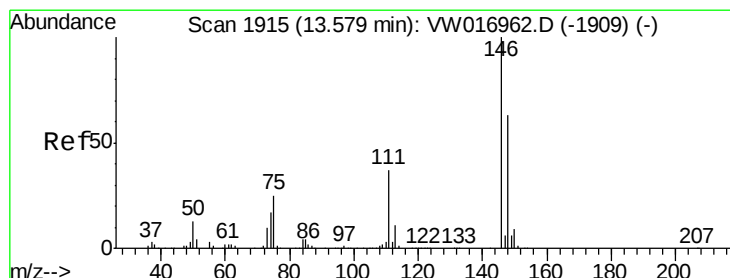
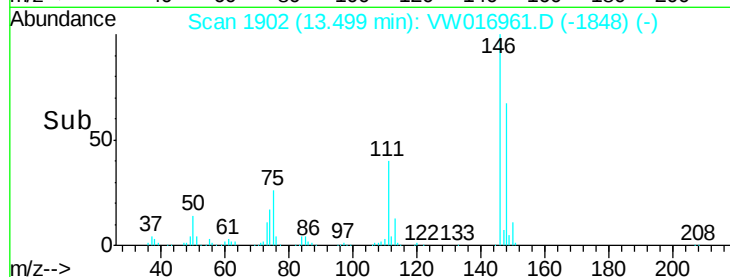
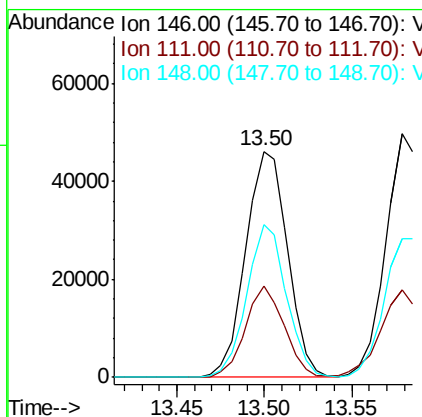
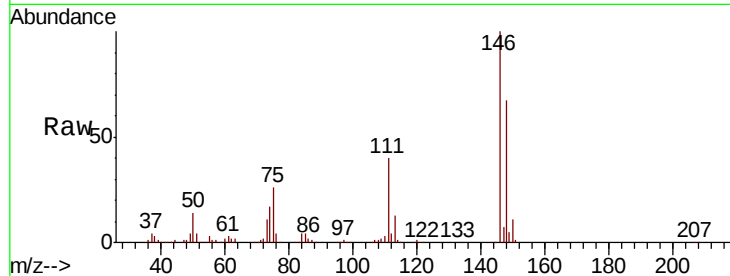




#63
 1,3-Dichlorobenzene
 Concen: 5.056 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016961.D
 Acq: 22 Oct 2020 10:28

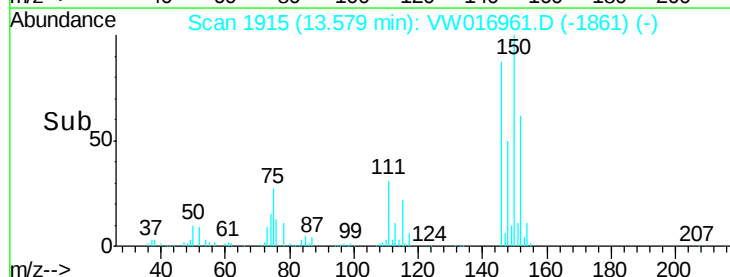
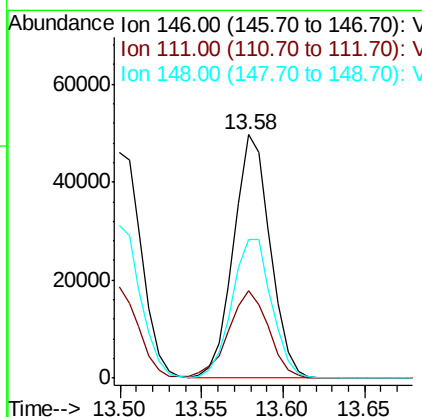
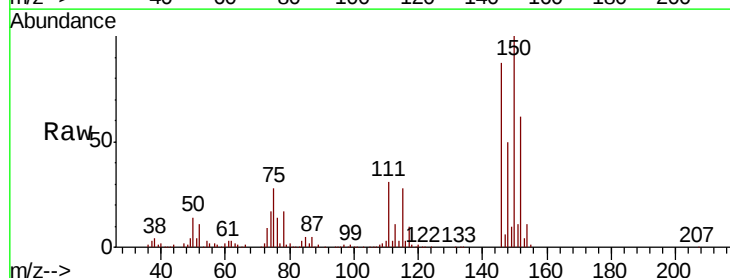
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

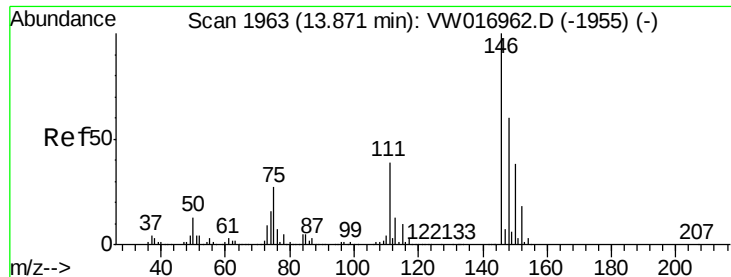
Tot Ion:146 Resp: 76584
 Ion Ratio Lower Upper
 146 100
 111 40.2 25.5 47.3
 148 67.3 43.1 80.1



#64
 1,4-Dichlorobenzene
 Concen: 5.114 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016961.D
 Acq: 22 Oct 2020 10:28

Tgt Ion:146 Resp: 77652
 Ion Ratio Lower Upper
 146 100
 111 35.8 25.7 47.7
 148 57.1 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 4.918 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

Instrument :

MSVOA_W

ClientSampled :

VSTD00504

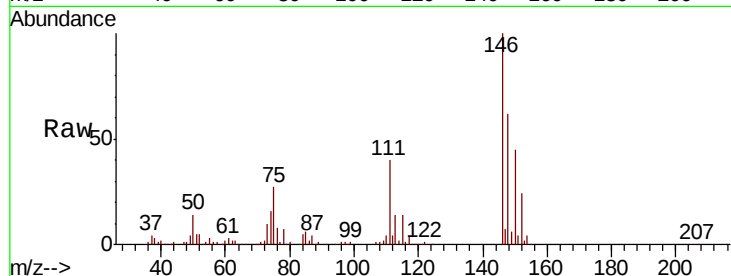
Tot Ion:146 Resp: 66637

Ion Ratio Lower Upper

146 100

111 40.2 31.4 47.0

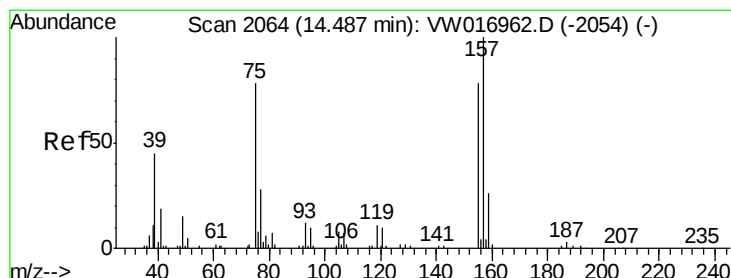
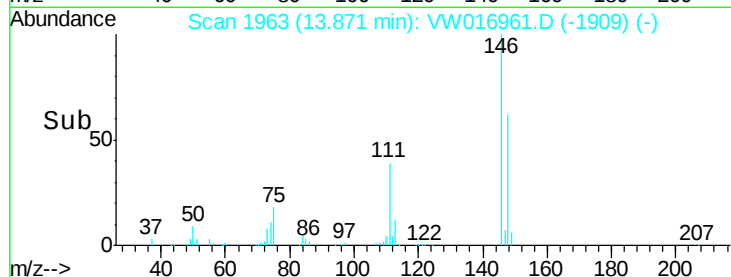
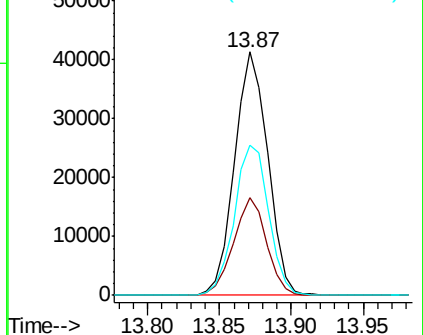
148 61.9 47.7 71.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.157 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

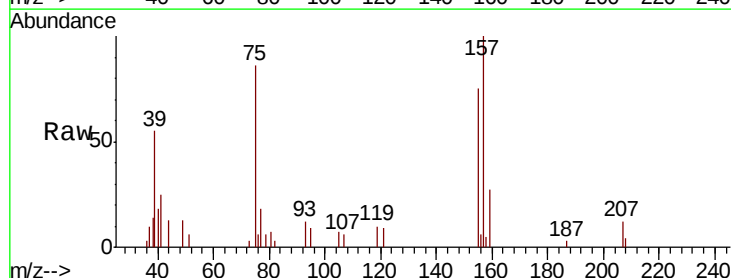
Tgt Ion: 75 Resp: 3337

Ion Ratio Lower Upper

75 100

157 116.3 102.5 153.7

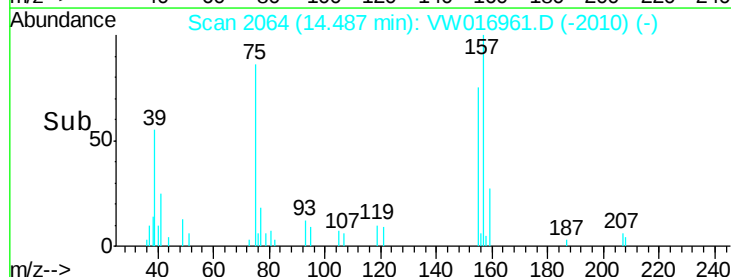
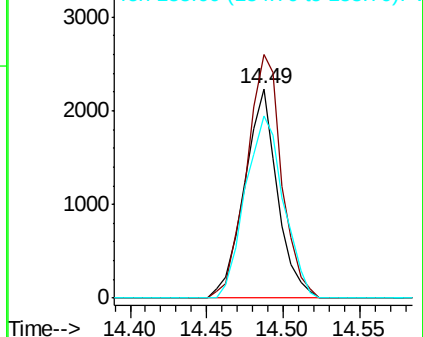
155 87.0 80.3 120.5

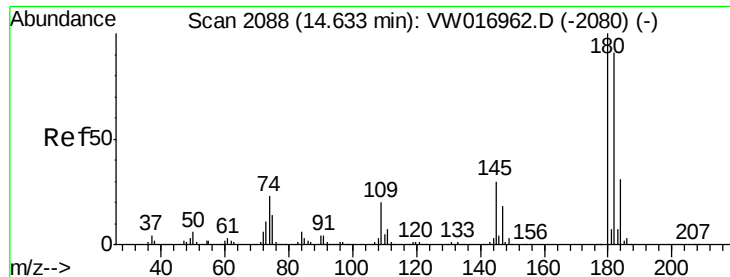


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

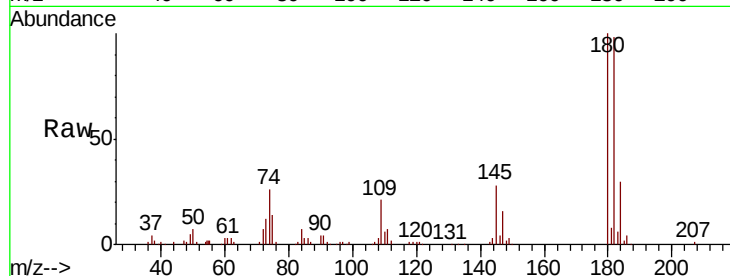




#67
 1,3,5-Trichlorobenzene
 Concen: 4.893 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW016961.D
 Acq: 22 Oct 2020 10:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

Tot Ion	180	Resp	55061
Ion Ratio	Lower	Upper	
180	100		
182	92.2	77.4	116.0
184	30.7	24.8	37.2
145	28.3	23.4	35.2



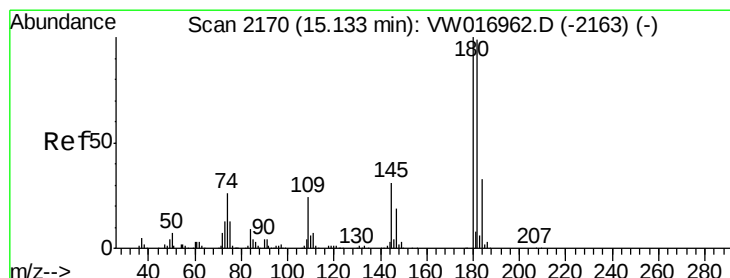
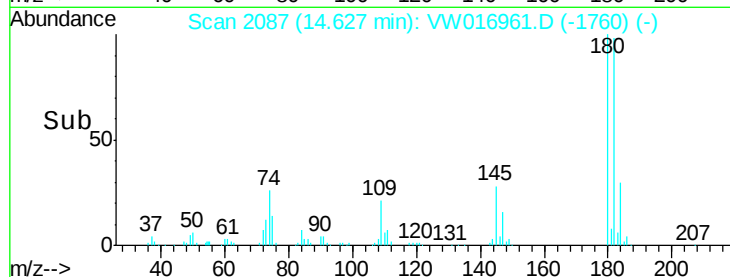
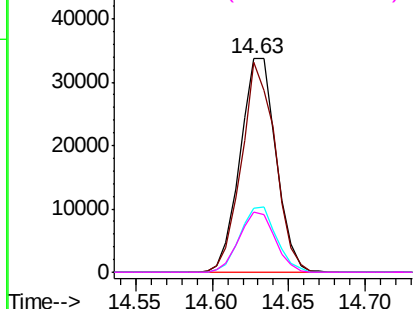
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

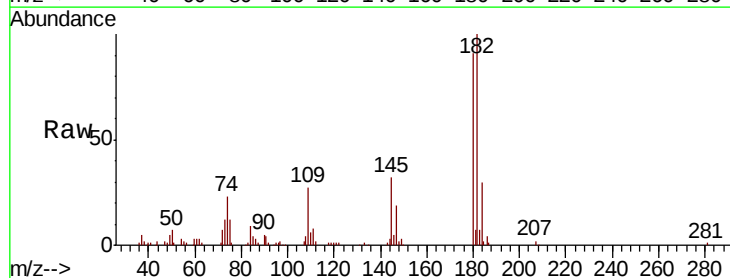
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.135 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016961.D
 Acq: 22 Oct 2020 10:28

Tgt Ion	180	Resp	37873
Ion Ratio	Lower	Upper	
180	100		
182	99.4	76.6	114.8
145	31.3	23.4	35.0

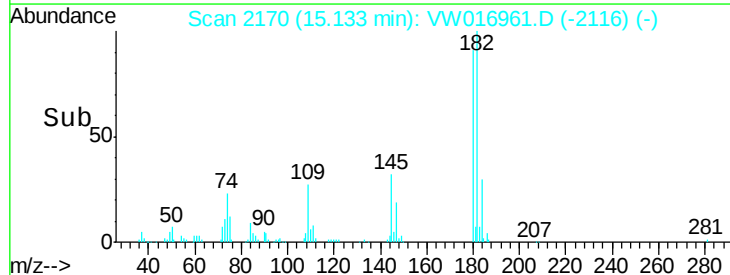
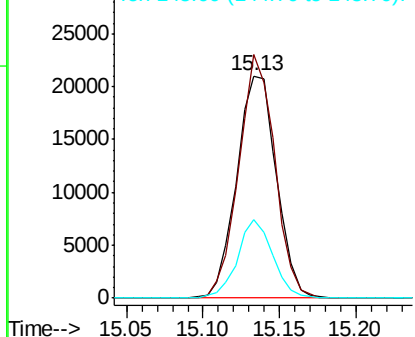


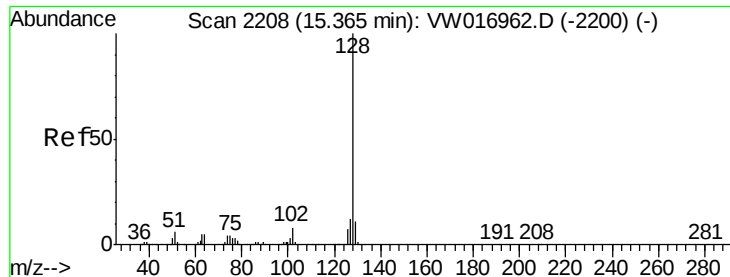
Abundance

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: 3.824 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

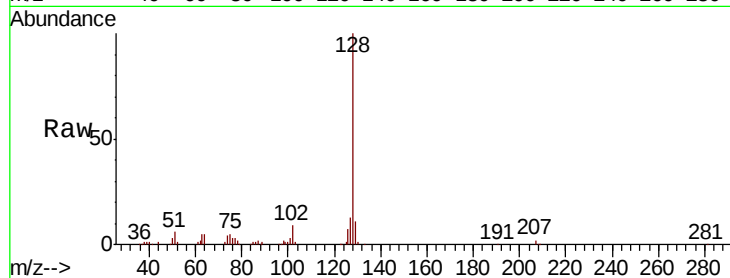
Tot Ion:128 Resp: 57233

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

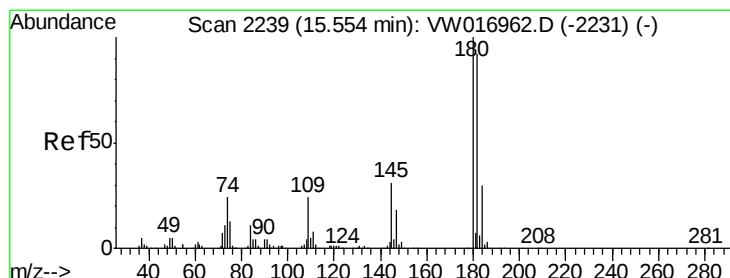
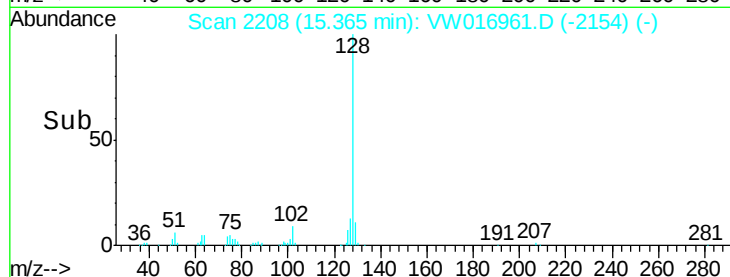
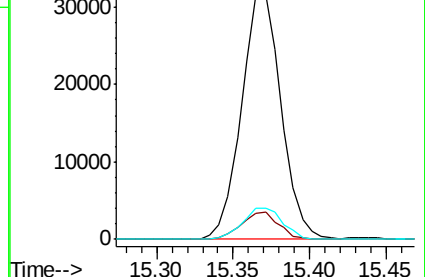
127 13.0 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.517 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016961.D

Acq: 22 Oct 2020 10:28

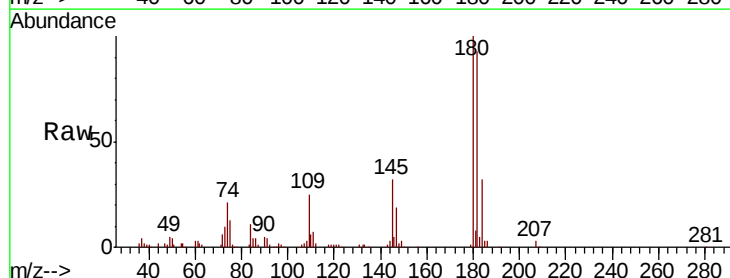
Tgt Ion:180 Resp: 35422

Ion Ratio Lower Upper

180 100

182 92.7 76.8 115.2

145 30.9 25.4 38.2



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

