

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100720\
 Data File : VW016793.D
 Acq On : 06 Oct 2020 14:01
 Operator : SY/VA
 Sample : VSTD2.502
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

Quant Time: Oct 06 15:32:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 06 15:30:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	559347	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	514424	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	252334	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	14255	2.59	ug/L	0.00
7) Chloroethane-d5	2.90	69	12921	2.86	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	31239	2.57	ug/L	0.00
20) 2-Butanone-d5	7.09	46	5440	3.76	ug/L	0.00
24) Chloroform-d	7.65	84	32484	2.74	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	15809	2.63	ug/L	0.00
29) Benzene-d6	8.28	84	63505	2.70	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	17089	2.70	ug/L	0.00
37) Toluene-d8	10.33	98	59149	2.57	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	6799	2.17	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	4162	3.70	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	13461	2.52	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	22832	2.80	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	16022	2.303 ug/L	94
3) Chloromethane	2.21	50	14415	2.741 ug/L	98
5) Vinyl chloride	2.37	62	17829	2.353 ug/L	99
6) Bromomethane	2.79	94	14375	2.531 ug/L	96
8) Chloroethane	2.93	64	11635	2.581 ug/L	98
9) Trichlorofluoromethane	3.26	101	13640	1.889 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	18466	2.527 ug/L	98
12) 1,1-Dichloroethene	4.05	96	17333	2.414 ug/L	95
13) Acetone	4.14	43	3030	2.747 ug/L	75
14) Carbon disulfide	4.39	76	51597	2.406 ug/L	100
15) Methyl Acetate	4.69	43	5519	2.164 ug/L #	55
16) Methylene chloride	4.92	84	24620	2.861 ug/L	90
17) Methyl tert-butyl Ether	5.43	73	19707	2.103 ug/L #	79
18) trans-1,2-Dichloroethene	5.42	96	18539	2.495 ug/L	95
19) 1,1-Dichloroethane	6.23	63	28541	2.445 ug/L	99
21) 2-Butanone	7.18	43	9493	5.026 ug/L	87
22) cis-1,2-Dichloroethene	7.18	96	18722	2.448 ug/L	96
23) Bromochloromethane	7.52	128	8784	2.376 ug/L	91
25) Chloroform	7.68	83	31054	2.447 ug/L	99
27) 1,2-Dichloroethane	8.40	62	18848	2.350 ug/L	99
30) Cyclohexane	7.96	56	25033	2.218 ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	27184	2.289 ug/L	99
32) Carbon tetrachloride	8.07	117	24977	2.147 ug/L	99
34) Benzene	8.33	78	68172	2.446 ug/L	100
35) Trichloroethene	9.09	95	18894	2.352 ug/L	96
36) Methylcyclohexane	9.34	83	31863	2.341 ug/L	98
40) 1,2-Dichloropropane	9.37	63	15168	2.355 ug/L	98
41) Bromodichloromethane	9.65	83	20800	2.200 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	22396	2.059 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	14068	3.573 ug/L	98

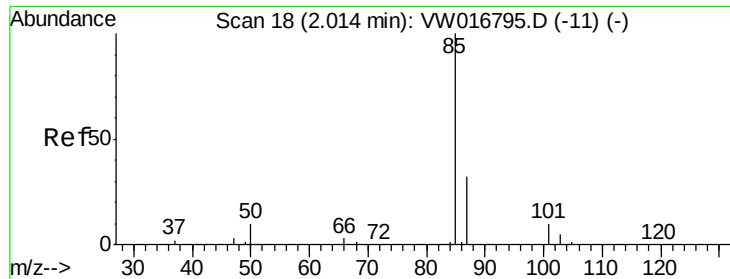
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 Quant Title : VOC Analysis
 QLast Update : Tue Oct 06 15:30:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	74833	2.396	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	18300	1.950	ug/L	94
46) 1,1,2-Trichloroethane	10.79	97	12072	2.248	ug/L	95
47) Tetrachloroethene	10.87	164	18235	2.516	ug/L	96
49) 2-Hexanone	10.98	43	8681	3.475	ug/L	97
50) Dibromochloromethane	11.13	129	13620	1.957	ug/L	96
51) 1,2-Dibromoethane	11.24	107	11714	2.184	ug/L	90
52) Chlorobenzene	11.66	112	50930	2.430	ug/L	100
53) Ethylbenzene	11.73	91	82439	2.331	ug/L	98
54) m,p-Xylene	11.84	106	31523	2.270	ug/L	97
55) o-xylene	12.17	106	28851	2.172	ug/L	97
56) Styrene	12.18	104	46821	2.131	ug/L	100
57) Isopropylbenzene	12.47	105	82911	2.282	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	13115	2.190	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	9780	2.210	ug/L	97
62) Bromoform	12.35	173	7549	1.835	ug/L #	95
63) 1,3-Dichlorobenzene	13.50	146	38525	2.342	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	41411	2.579	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	36773	2.511	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	2165	2.144	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	30047	2.520	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	22540	2.333	ug/L	100
69) Naphthalene	15.36	128	32631	1.930	ug/L	98
70) 1,2,3-Trichlorobenzene	15.55	180	19857	2.390	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 2.303 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

Instrument :

MSVOA_W

ClientSampleId :

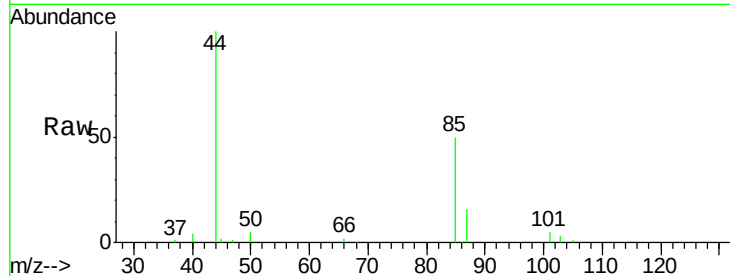
VSTD2.502

Tgt Ion: 85 Resp: 16022

Ion Ratio Lower Upper

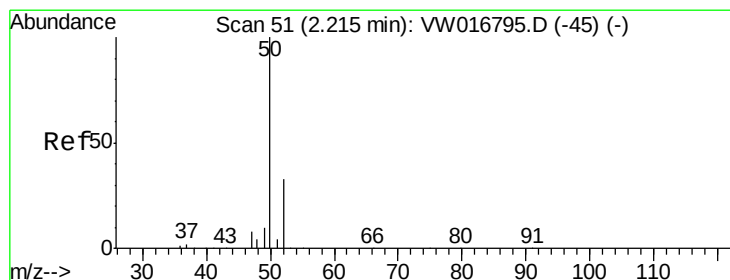
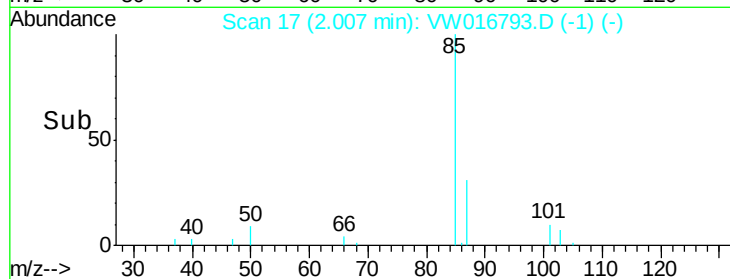
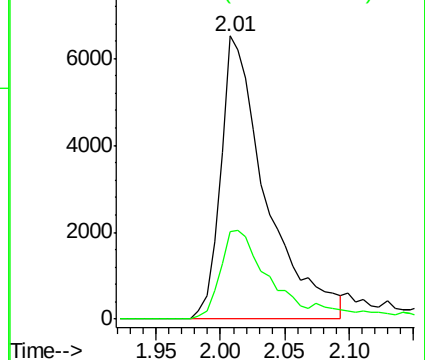
85 100

87 32.2 20.4 37.8



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 2.741 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW016793.D

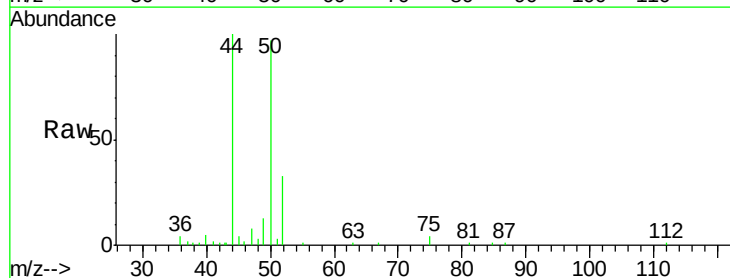
Acq: 06 Oct 2020 14:01

Tgt Ion: 50 Resp: 14415

Ion Ratio Lower Upper

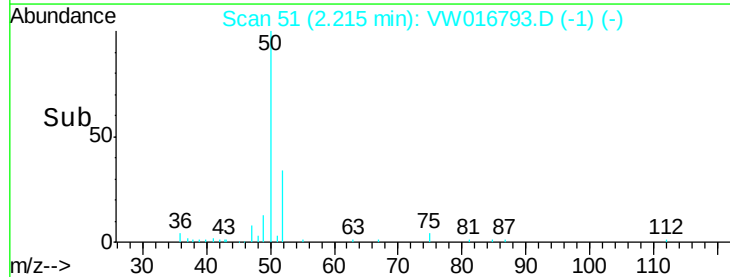
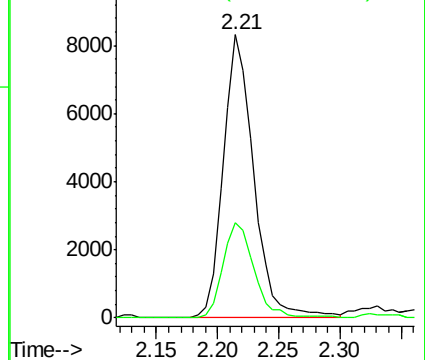
50 100

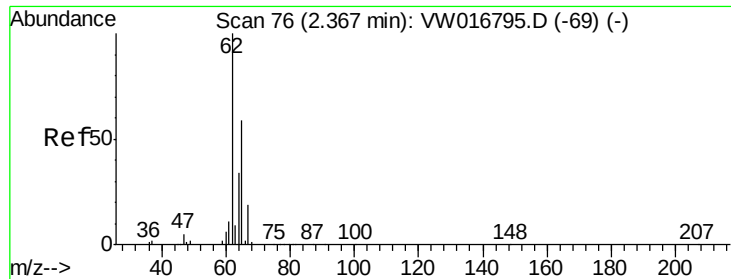
52 33.6 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 2.353 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

Instrument :

MSVOA_W

ClientSampleId :

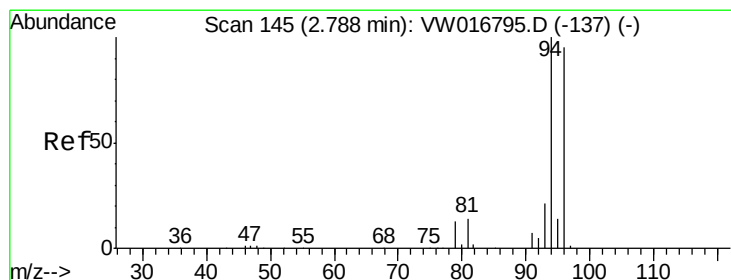
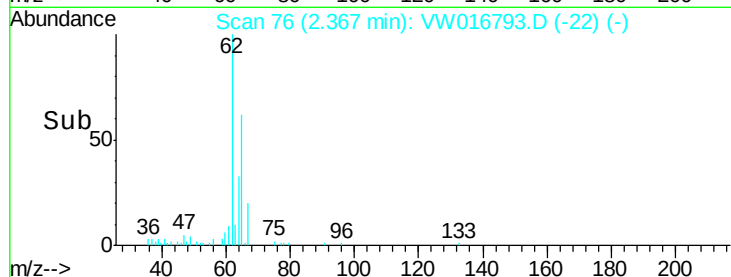
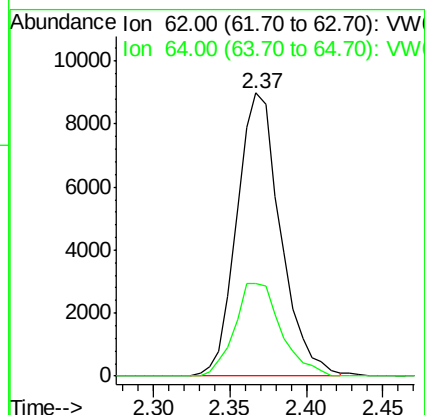
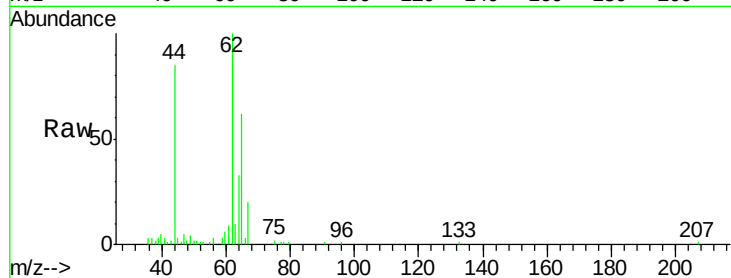
VSTD2.502

Tgt Ion: 62 Resp: 17829

Ion Ratio Lower Upper

62 100

64 32.8 23.5 43.7



#6

Bromomethane

Concen: 2.531 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW016793.D

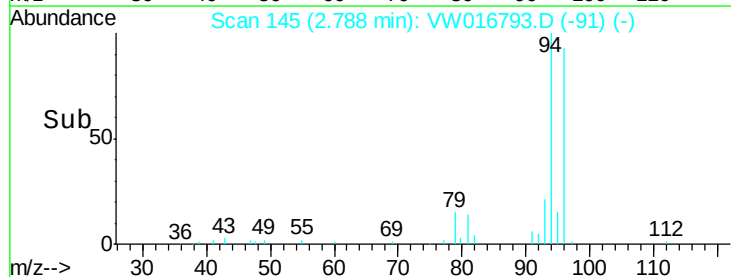
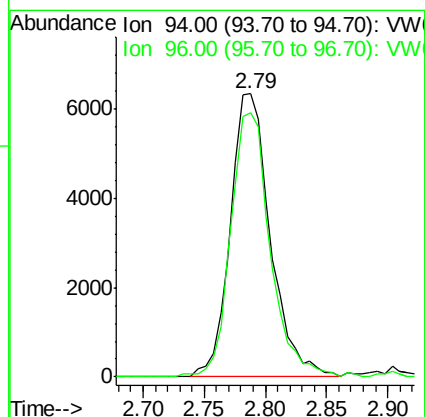
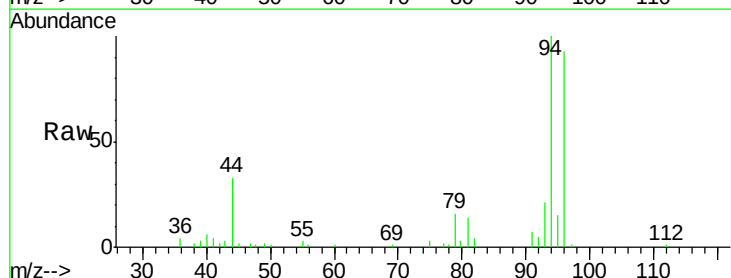
Acq: 06 Oct 2020 14:01

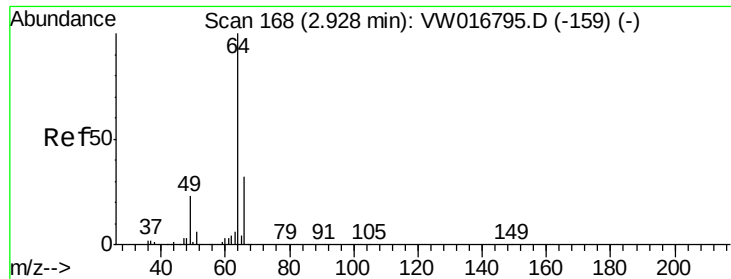
Tgt Ion: 94 Resp: 14375

Ion Ratio Lower Upper

94 100

96 91.6 9.5 180.7

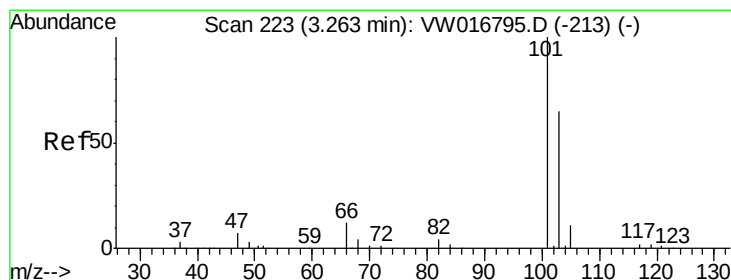
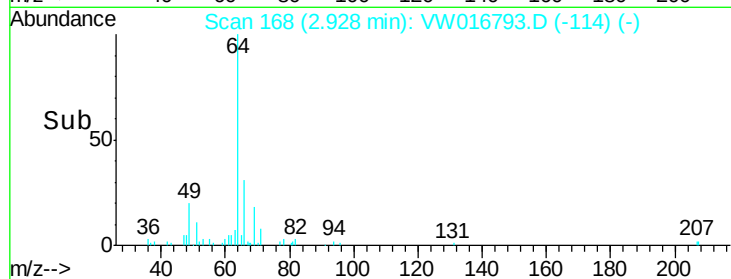
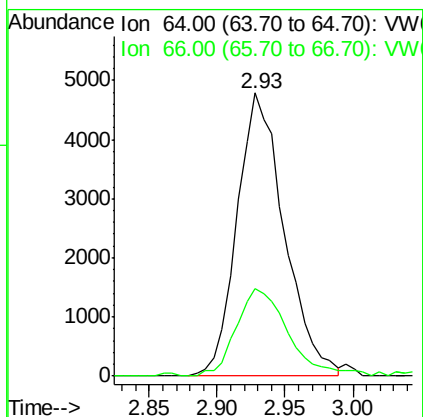
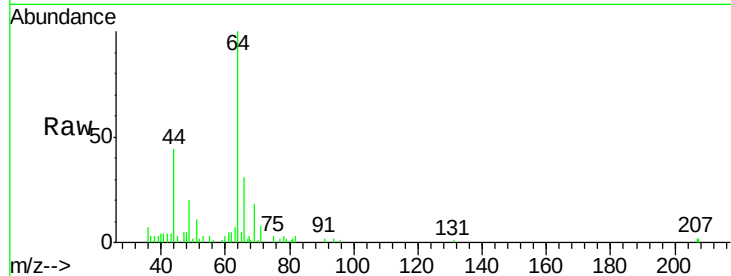




#8
Chloroethane
Concen: 2.581 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW016793.D
Acq: 06 Oct 2020 14:01

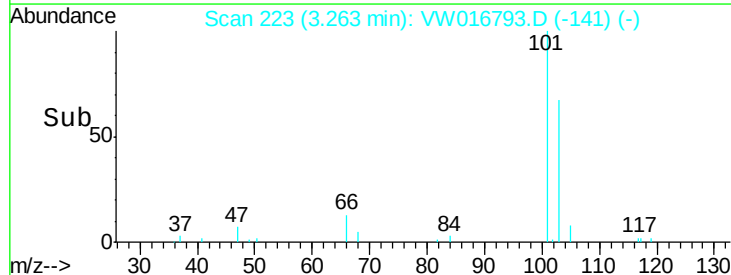
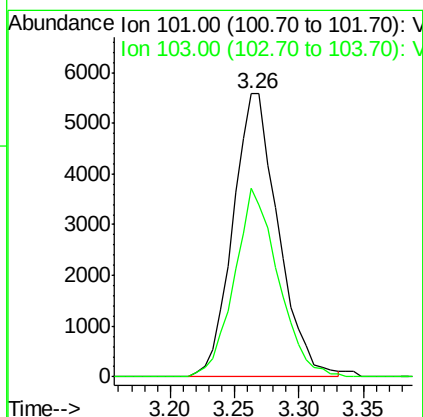
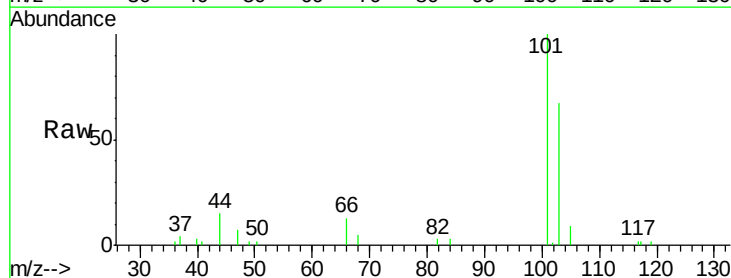
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

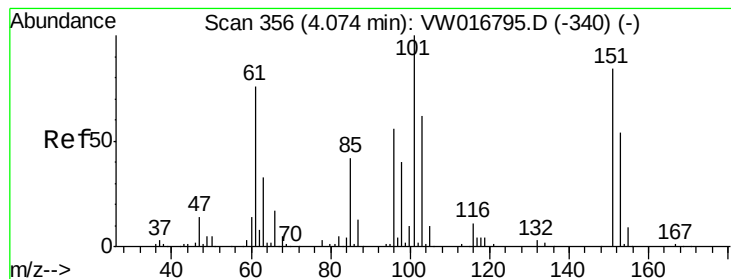
Tgt Ion: 64 Resp: 11635
Ion Ratio Lower Upper
64 100
66 30.9 22.5 41.7



#9
Trichlorofluoromethane
Concen: 1.889 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW016793.D
Acq: 06 Oct 2020 14:01

Tgt Ion: 101 Resp: 13640
Ion Ratio Lower Upper
101 100
103 64.5 45.2 84.0





#11

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

Concen: 2.527 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.01 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

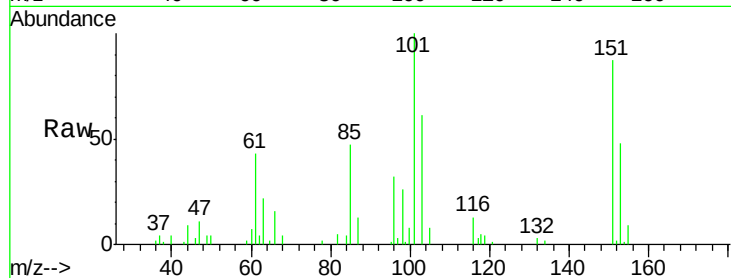
Tgt Ion: 101 Resp: 18466

Ion Ratio Lower Upper

101 100

85 43.1 31.7 47.5

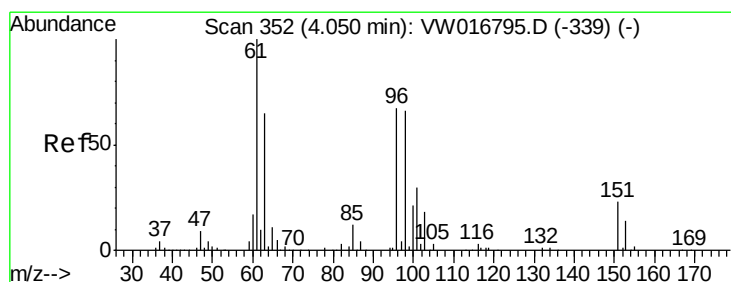
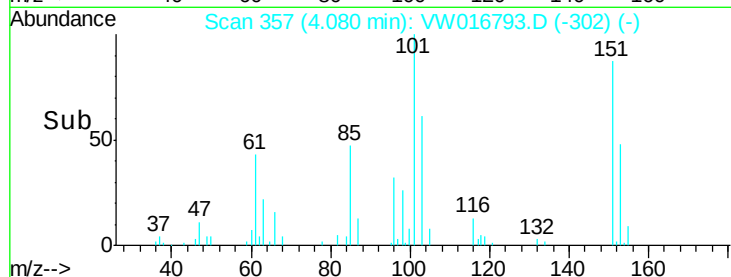
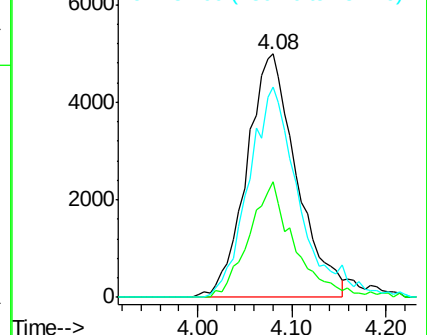
151 83.2 66.6 99.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.414 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

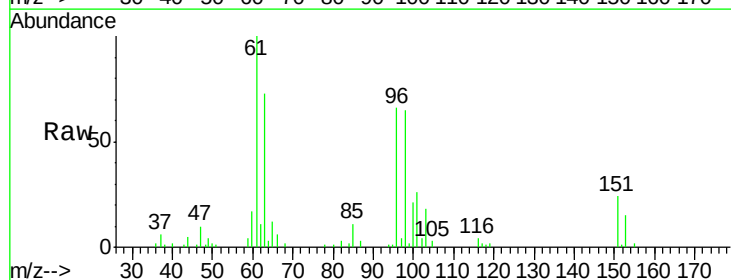
Tgt Ion: 96 Resp: 17333

Ion Ratio Lower Upper

96 100

61 151.6 105.1 195.1

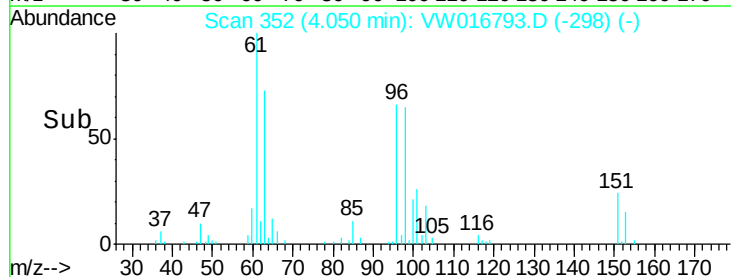
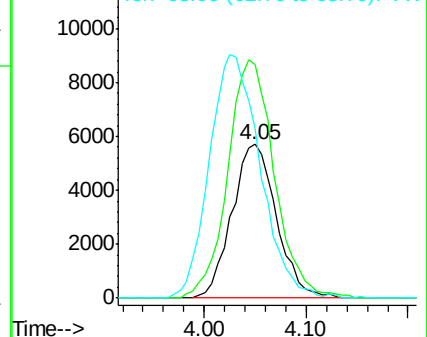
63 110.6 69.9 129.7

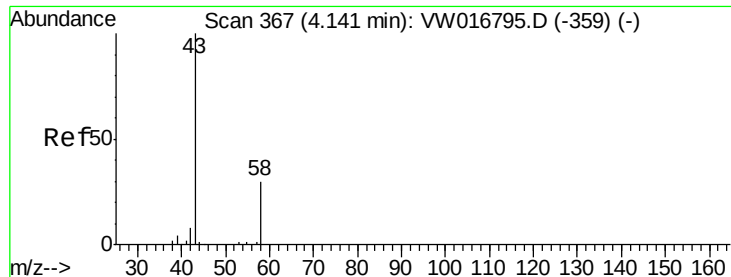


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 2.747 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

Instrument :

MSVOA_W

ClientSampleId :

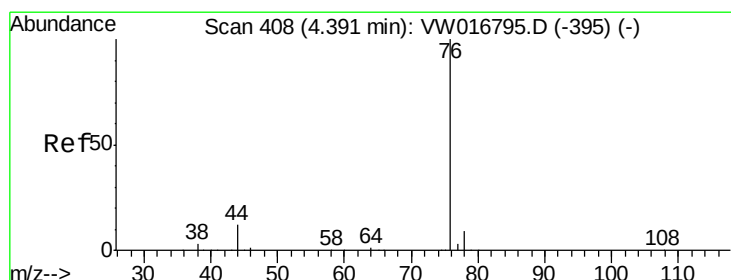
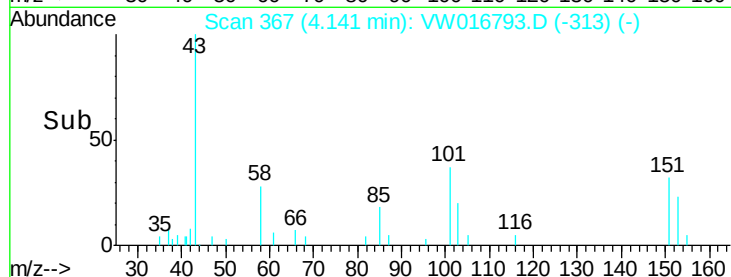
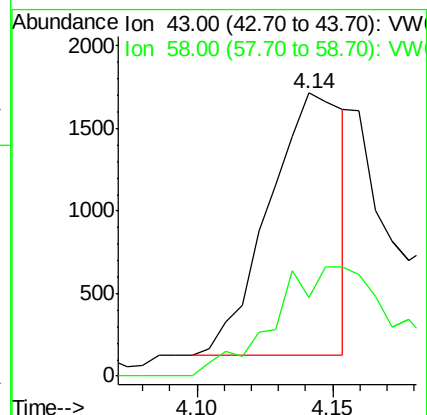
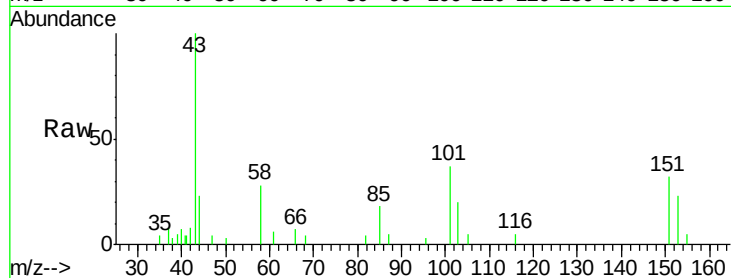
VSTD2.502

Tgt Ion: 43 Resp: 3030

Ion Ratio Lower Upper

43 100

58 48.2 0.0 67.6



#14

Carbon disulfide

Concen: 2.406 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW016793.D

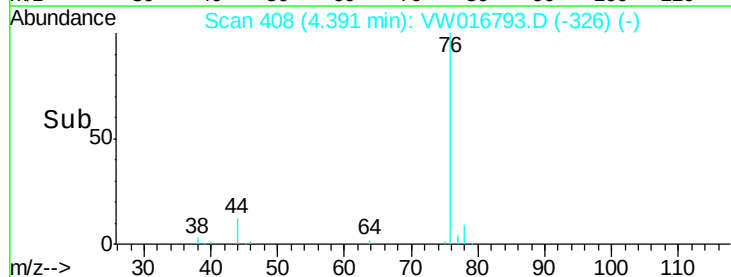
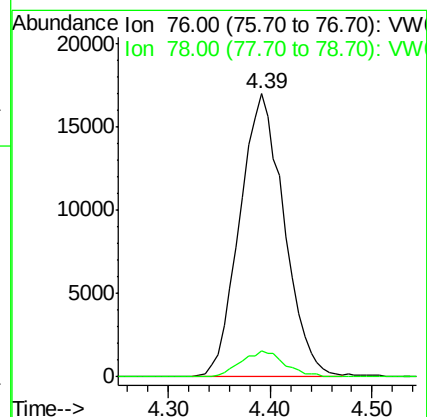
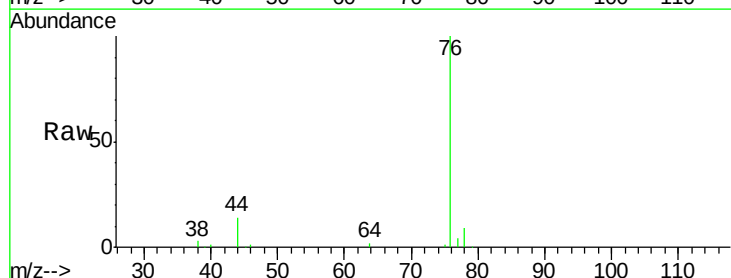
Acq: 06 Oct 2020 14:01

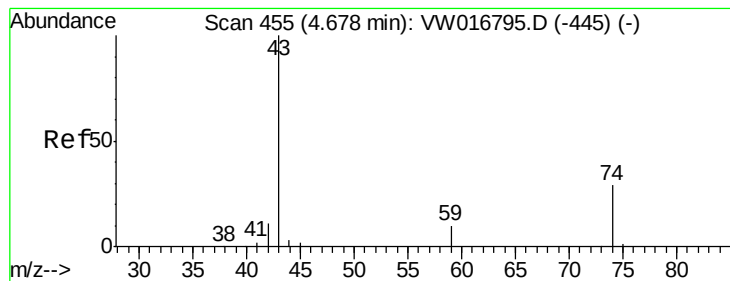
Tgt Ion: 76 Resp: 51597

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





#15

Methyl Acetate

Concen: 2.164 ug/L

RT: 4.69 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

Instrument :

MSVOA_W

ClientSampleId :

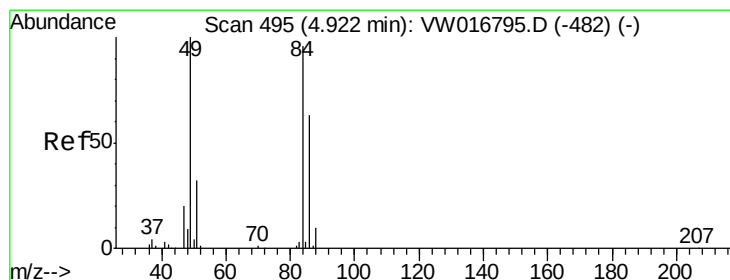
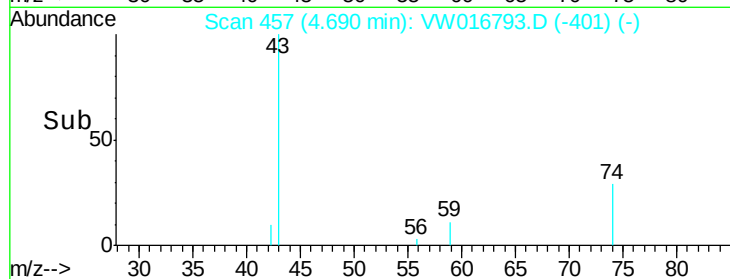
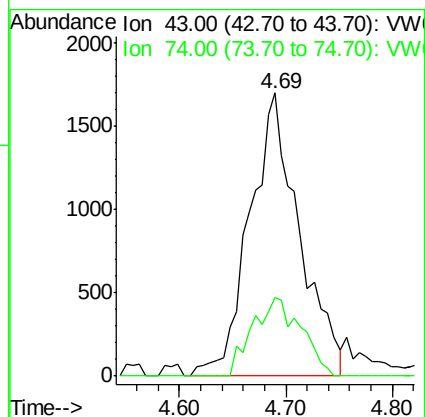
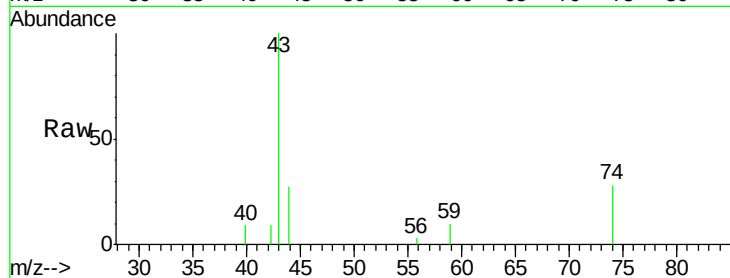
VSTD2.502

Tgt Ion: 43 Resp: 5519

Ion Ratio Lower Upper

43 100

74 4.6 22.7 34.1#



#16

Methylene chloride

Concen: 2.861 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

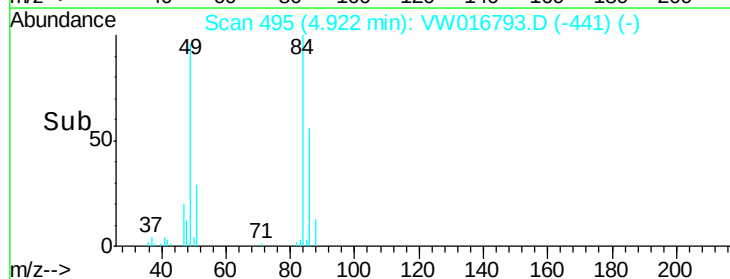
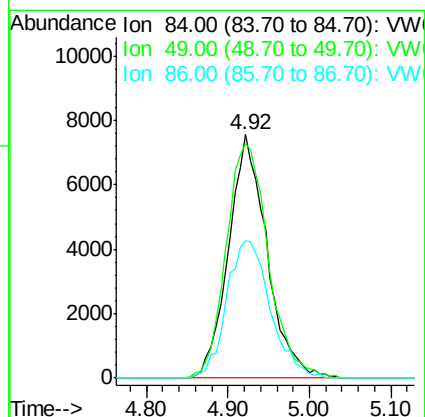
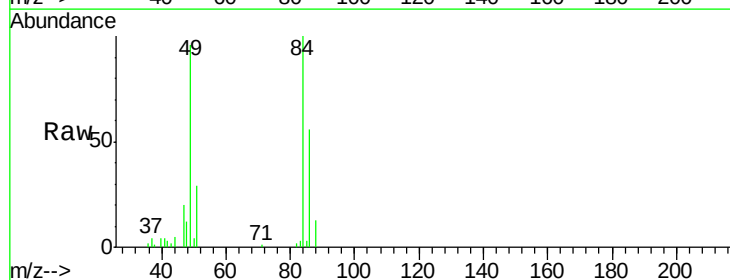
Tgt Ion: 84 Resp: 24620

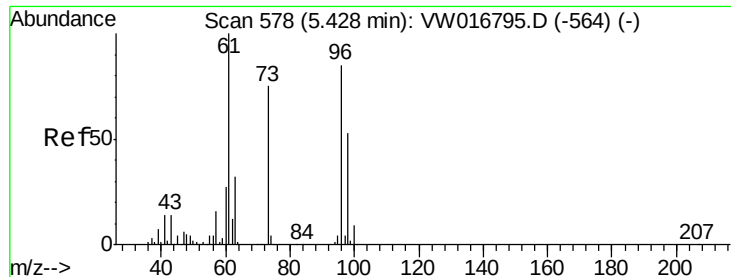
Ion Ratio Lower Upper

84 100

49 96.1 73.1 135.8

86 56.3 46.0 85.4

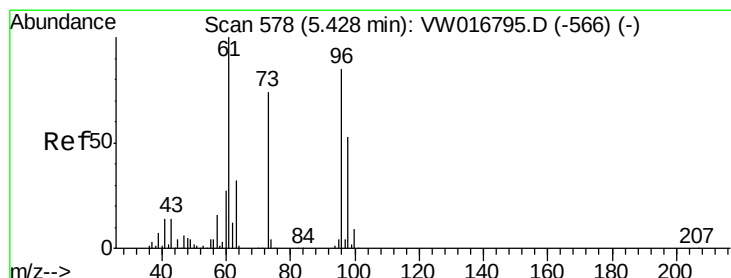
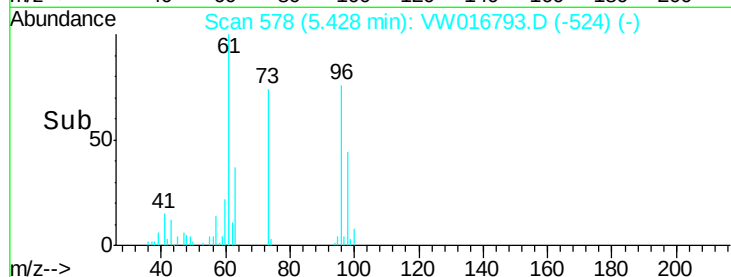
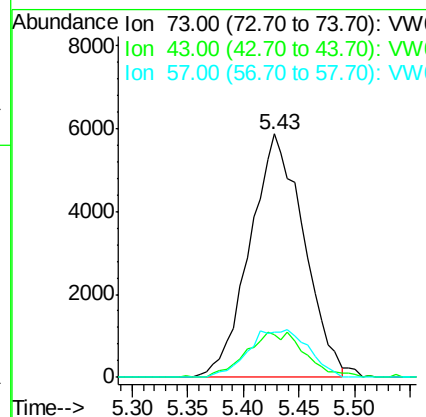
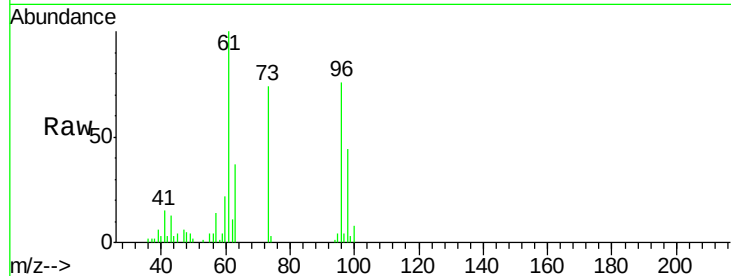




#17
Methyl tert-butyl Ether
Concen: 2.103 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW016793.D
Acq: 06 Oct 2020 14:01

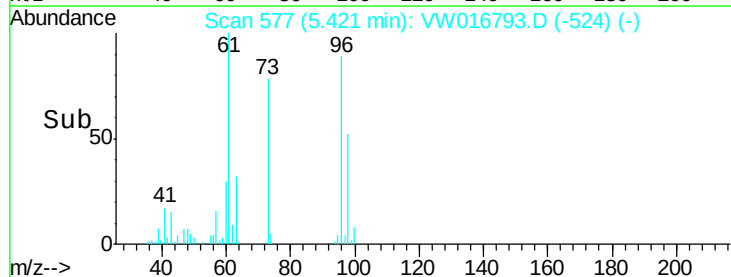
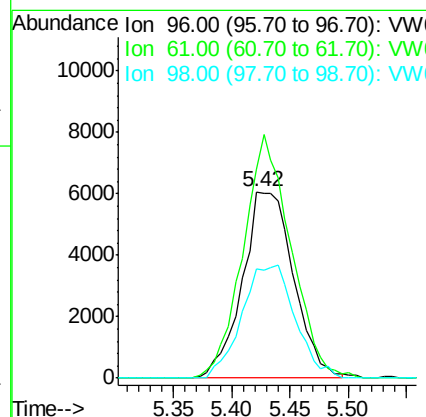
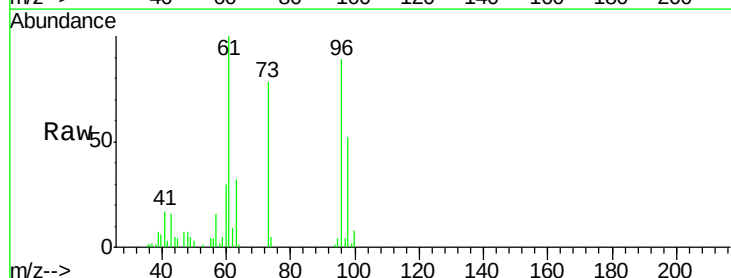
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

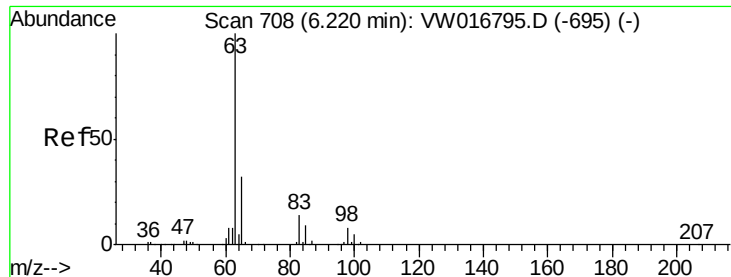
Tgt Ion: 73 Resp: 19707
Ion Ratio Lower Upper
73 100
43 12.1 15.0 22.4#
57 8.5 16.4 24.6#



#18
trans-1,2-Dichloroethene
Concen: 2.495 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW016793.D
Acq: 06 Oct 2020 14:01

Tgt Ion: 96 Resp: 18539
Ion Ratio Lower Upper
96 100
61 112.0 82.5 153.3
98 58.6 43.3 80.5

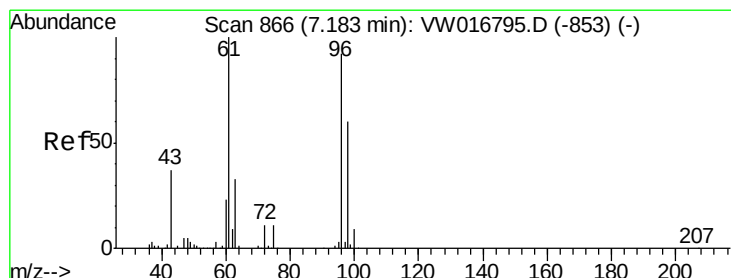
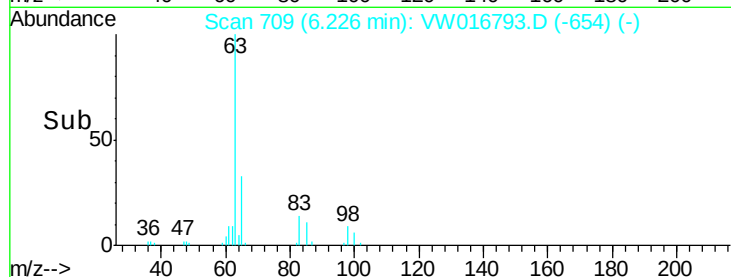
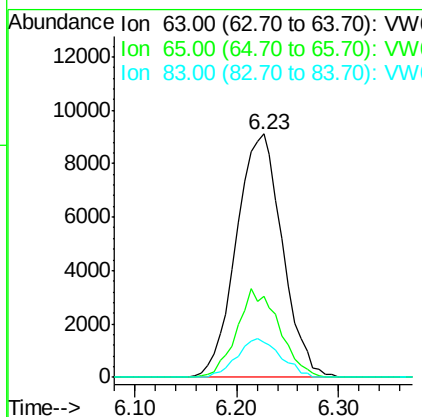
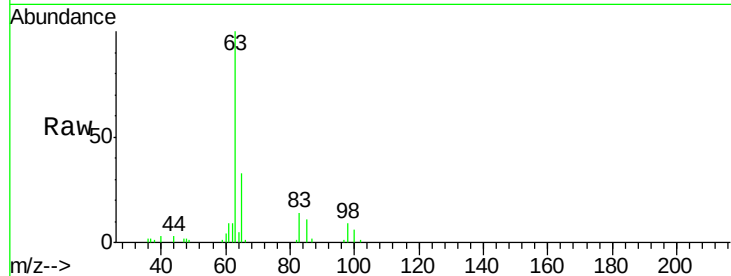




#19
 1,1-Dichloroethane
 Concen: 2.445 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VW016793.D
 Acq: 06 Oct 2020 14:01

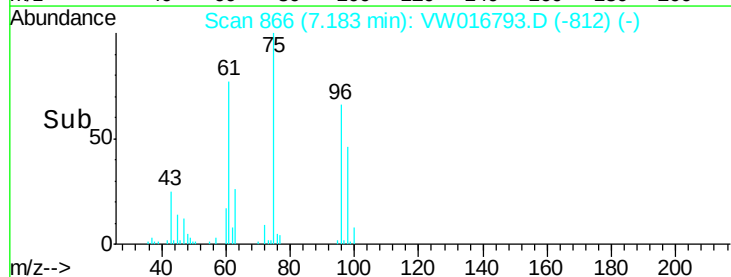
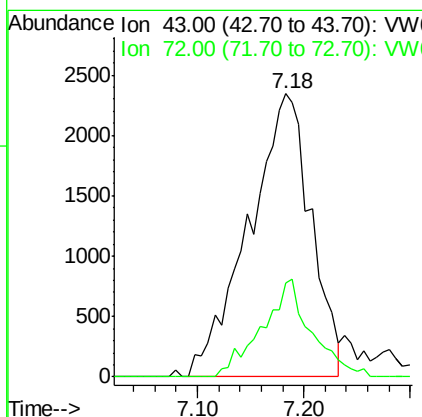
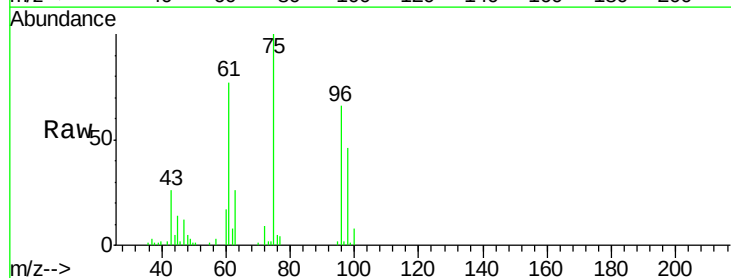
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

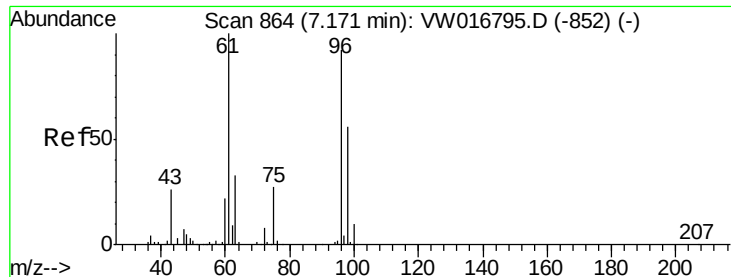
Tgt Ion: 63 Resp: 28541
 Ion Ratio Lower Upper
 63 100
 65 33.2 22.7 42.1
 83 14.4 9.9 18.5



#21
 2-Butanone
 Concen: 5.026 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. -0.00 min
 Lab File: VW016793.D
 Acq: 06 Oct 2020 14:01

Tgt Ion: 43 Resp: 9493
 Ion Ratio Lower Upper
 43 100
 72 25.2 16.2 48.5



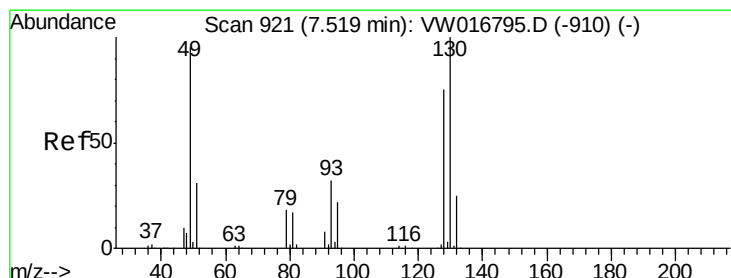
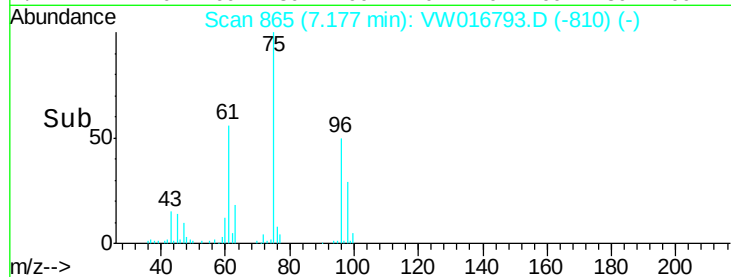
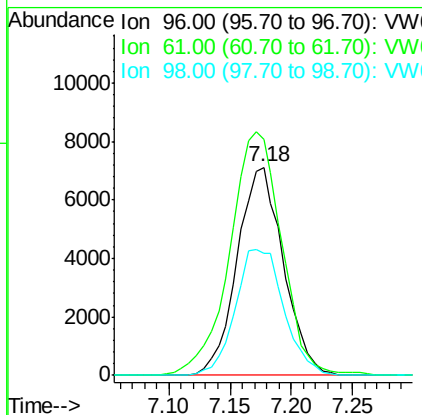
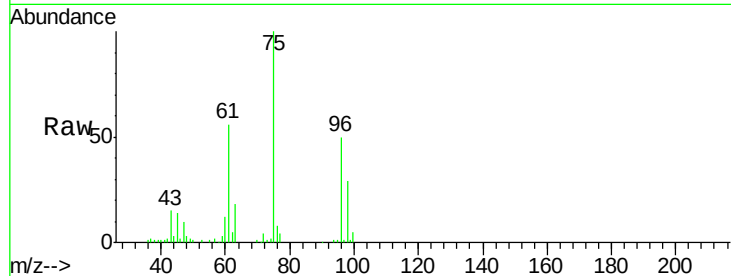


#22

cis-1,2-Dichloroethene
Concen: 2.448 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW016793.D
Acq: 06 Oct 2020 14:01

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

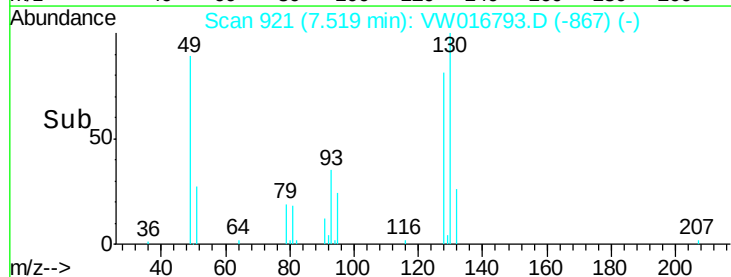
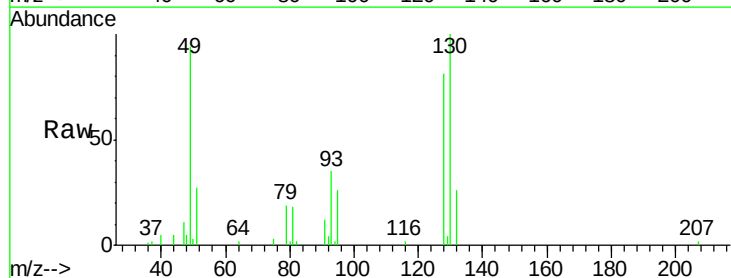
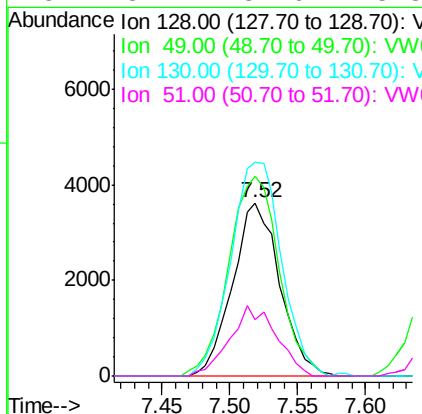
Tgt Ion: 96 Resp: 18722
Ion Ratio Lower Upper
96 100
61 113.3 76.0 141.2
98 58.9 42.7 79.3

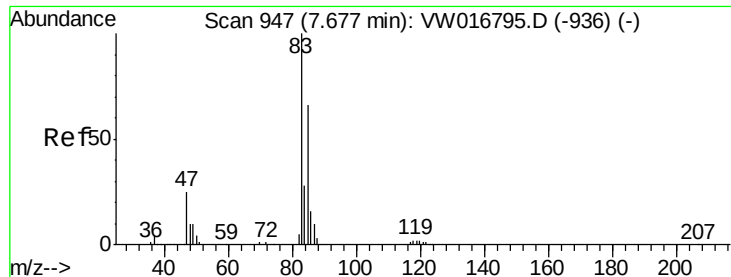


#23

Bromochloromethane
Concen: 2.376 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW016793.D
Acq: 06 Oct 2020 14:01

Tgt Ion: 128 Resp: 8784
Ion Ratio Lower Upper
128 100
49 115.3 88.5 164.3
130 123.2 92.9 172.5
51 32.7 32.6 48.8

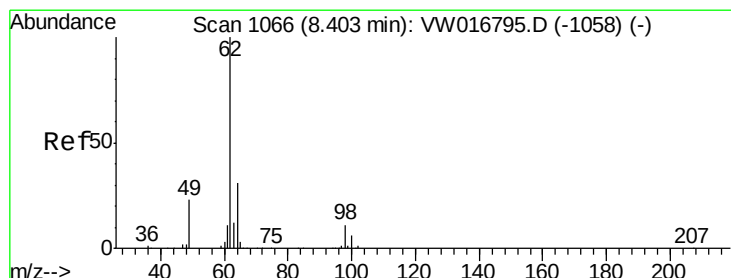
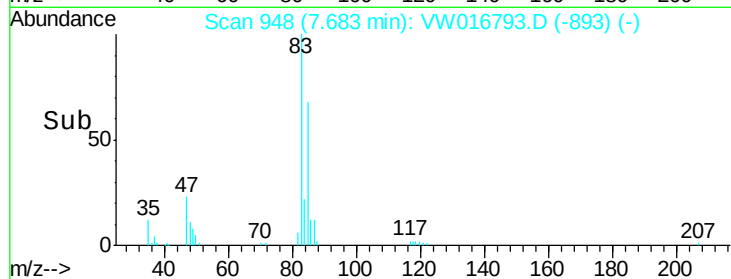
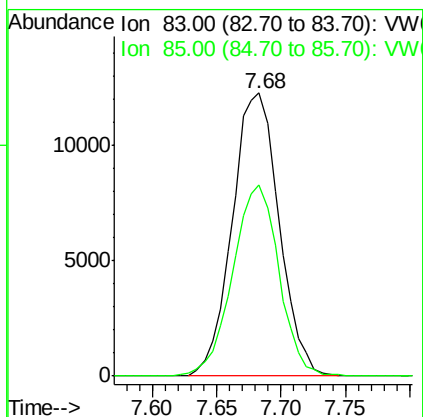
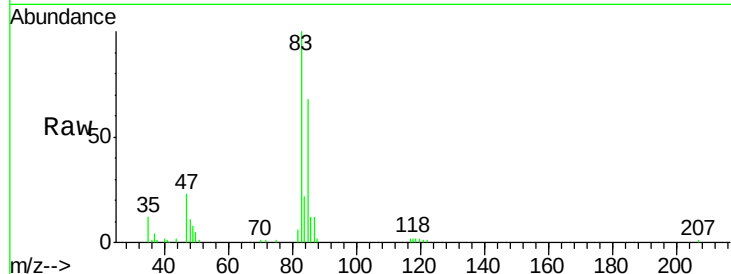




#25
Chloroform
Concen: 2.447 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW016793.D
Acq: 06 Oct 2020 14:01

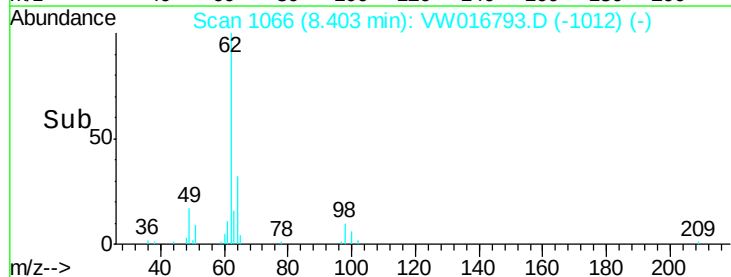
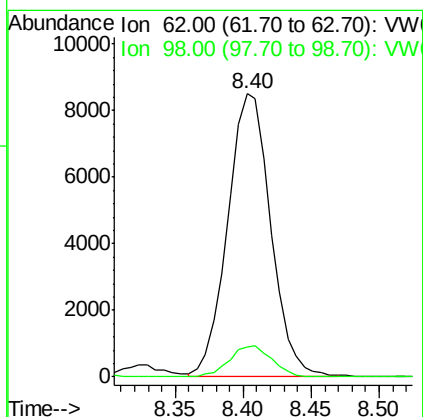
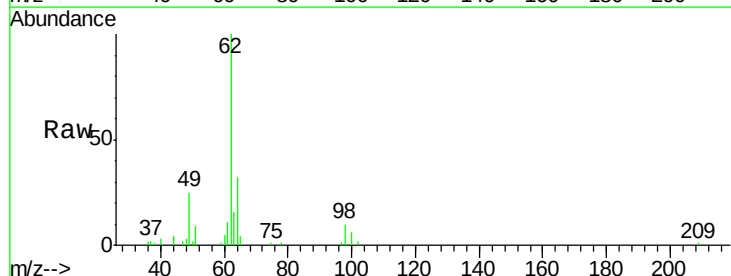
Instrument :
MSVOA_W
ClientSampled :
VSTD2.502

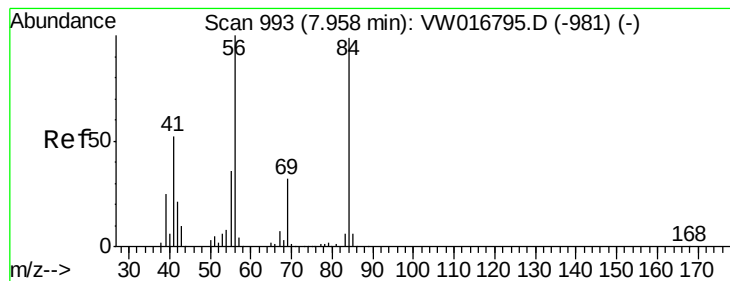
Tgt Ion: 83 Resp: 31054
Ion Ratio Lower Upper
83 100
85 66.5 46.9 87.1



#27
1,2-Dichloroethane
Concen: 2.350 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016793.D
Acq: 06 Oct 2020 14:01

Tgt Ion: 62 Resp: 18848
Ion Ratio Lower Upper
62 100
98 10.4 8.6 12.8





#30

Cyclohexane

Concen: 2.218 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

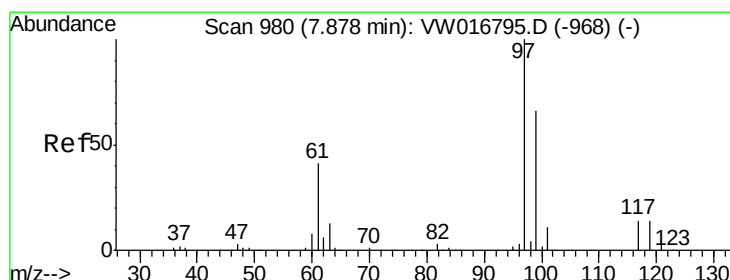
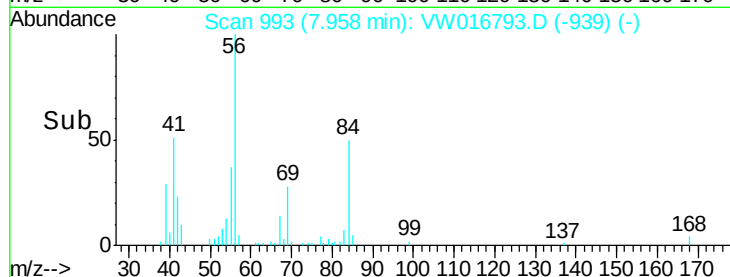
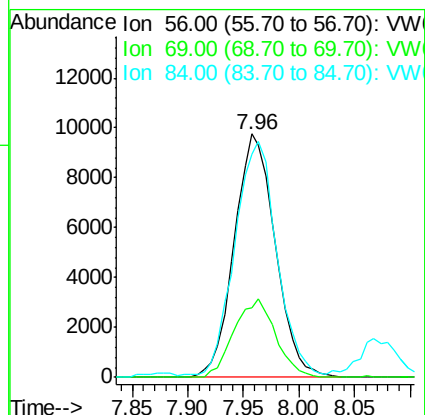
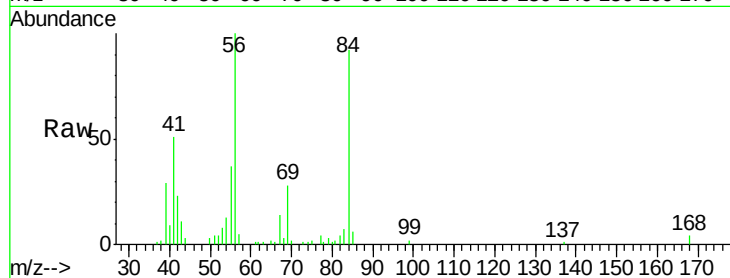
Tgt Ion: 56 Resp: 25033

Ion Ratio Lower Upper

56 100

69 32.4 26.1 39.1

84 100.3 79.3 118.9



#31

1,1,1-Trichloroethane

Concen: 2.289 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

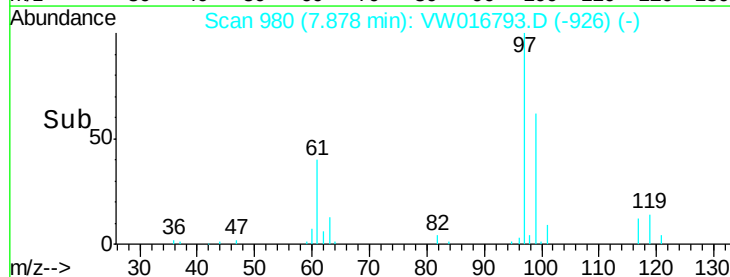
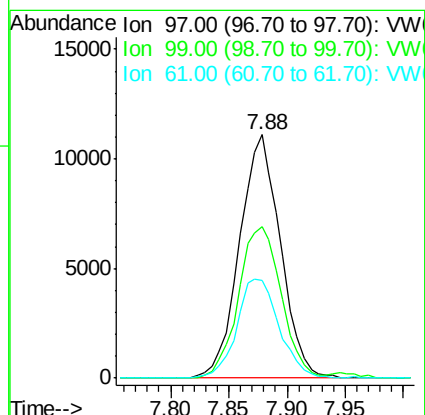
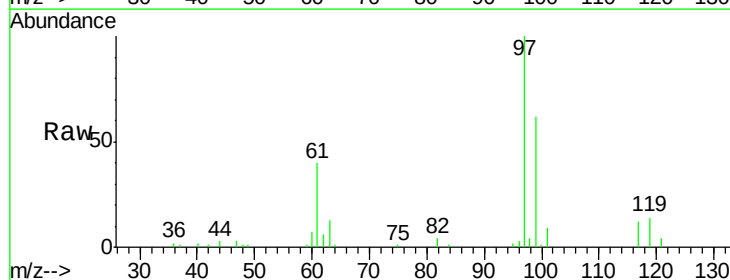
Tgt Ion: 97 Resp: 27184

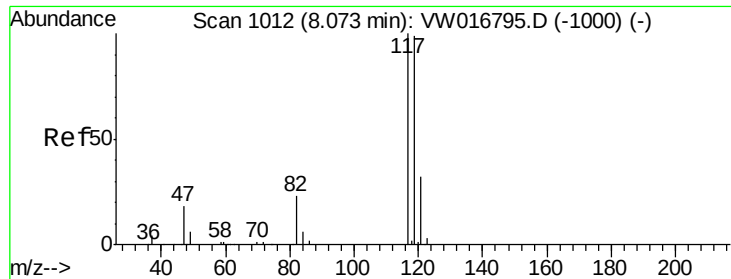
Ion Ratio Lower Upper

97 100

99 65.0 51.5 77.3

61 41.9 32.5 48.7

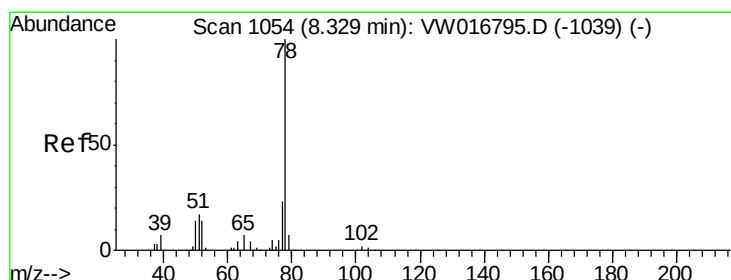
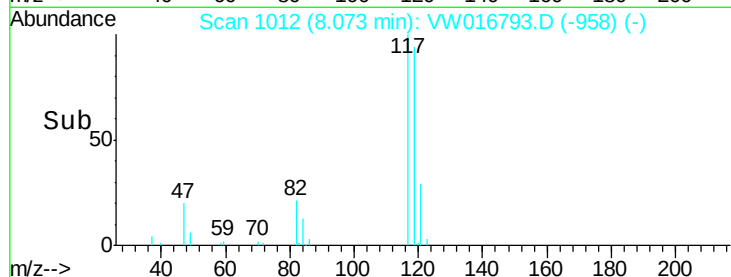
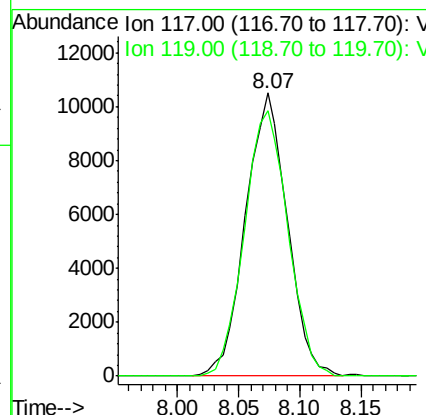
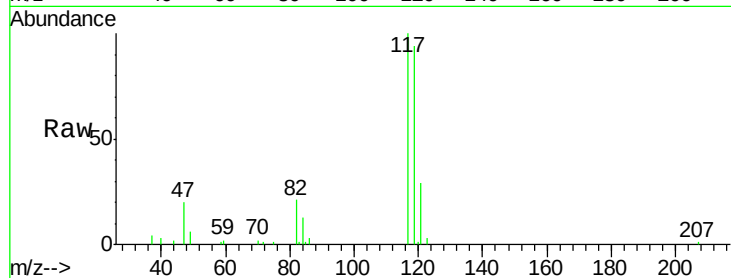




#32
Carbon tetrachloride
Concen: 2.147 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW016793.D
Acq: 06 Oct 2020 14:01

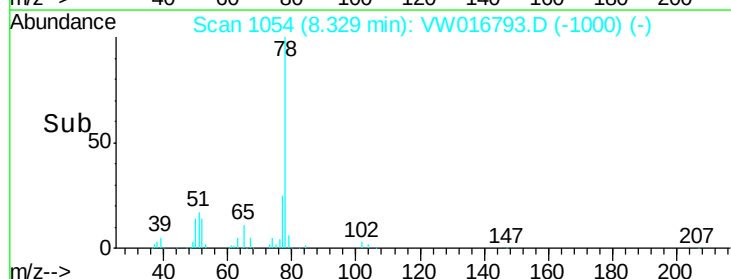
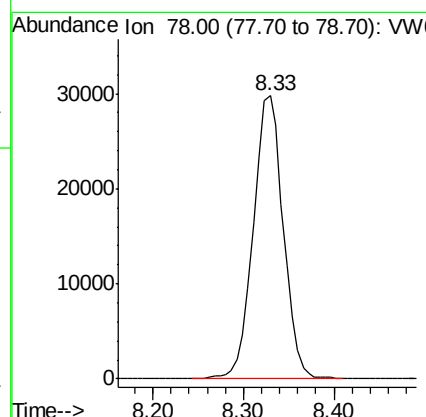
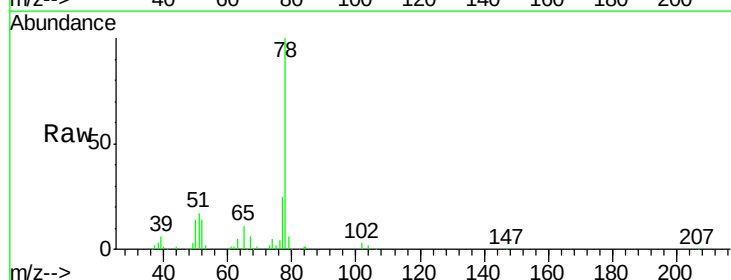
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

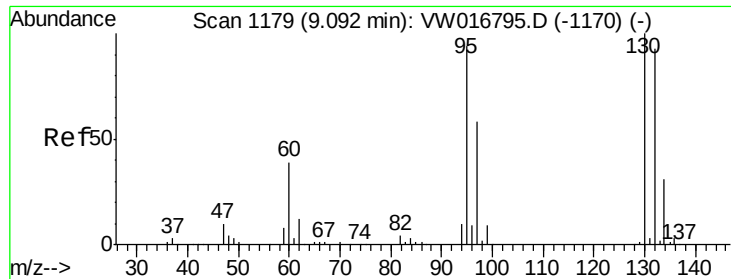
Tgt Ion:117 Resp: 24977
Ion Ratio Lower Upper
117 100
119 97.7 77.4 116.0



#34
Benzene
Concen: 2.446 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW016793.D
Acq: 06 Oct 2020 14:01

Tgt Ion: 78 Resp: 68172

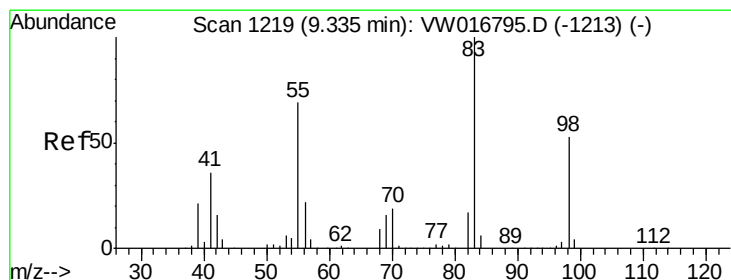
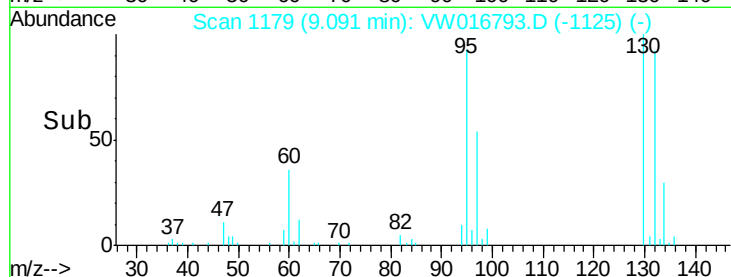
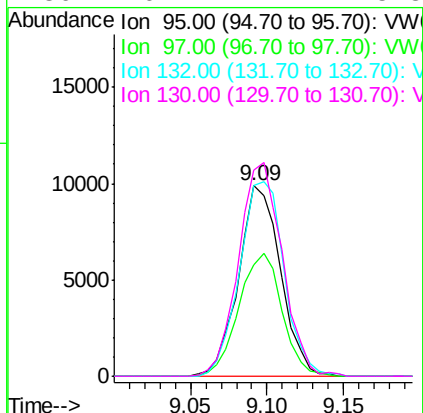
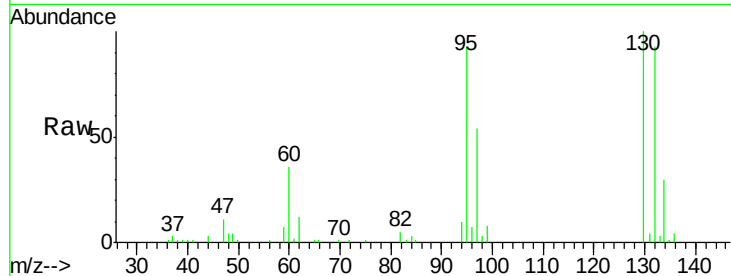




#35
 Trichloroethene
 Concen: 2.352 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW016793.D
 Acq: 06 Oct 2020 14:01

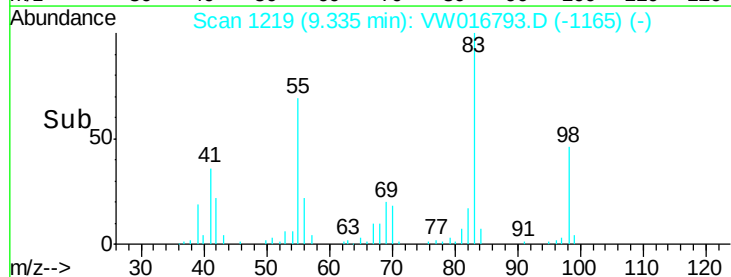
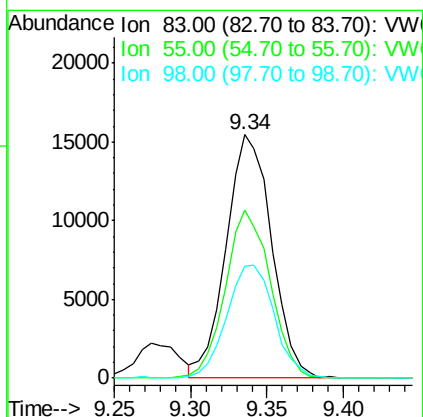
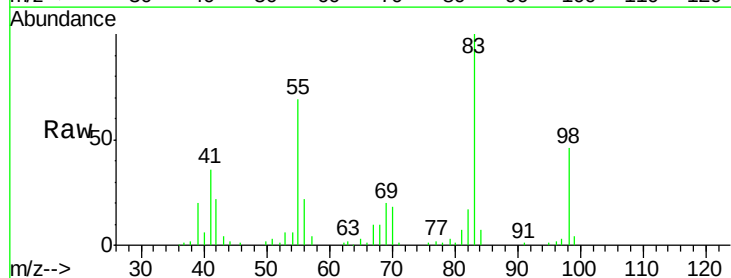
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

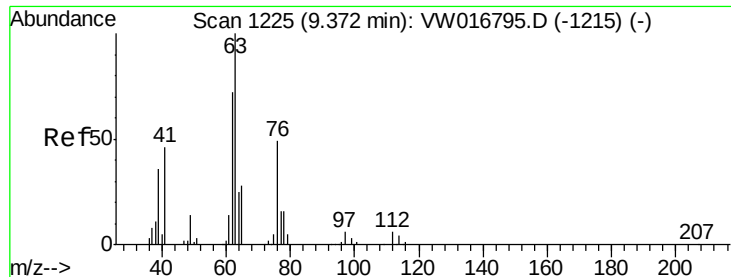
Tgt Ion: 95 Resp: 18894
 Ion Ratio Lower Upper
 95 100
 97 66.2 44.7 83.1
 132 108.4 73.8 137.2
 130 116.2 77.1 143.3



#36
 Methylcyclohexane
 Concen: 2.341 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW016793.D
 Acq: 06 Oct 2020 14:01

Tgt Ion: 83 Resp: 31863
 Ion Ratio Lower Upper
 83 100
 55 68.2 54.2 81.4
 98 48.4 41.4 62.2





#40

1,2-Dichloropropane

Concen: 2.355 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

Instrument :

MSVOA_W

ClientSampled :

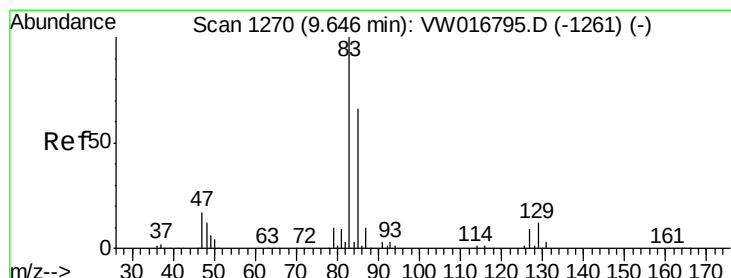
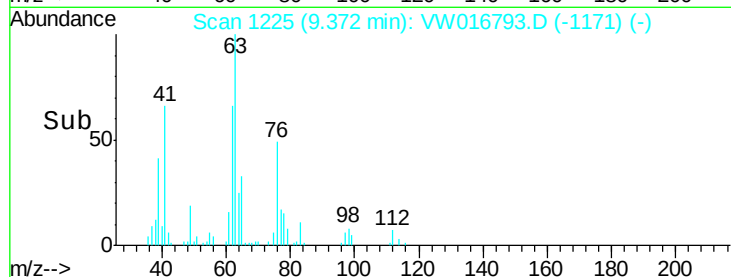
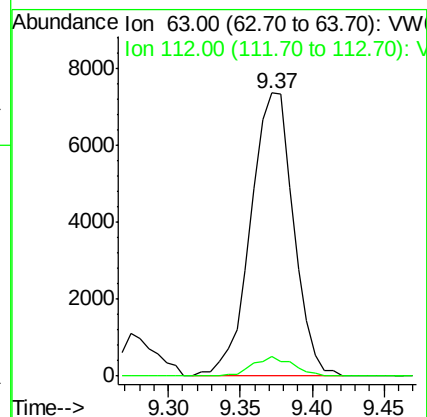
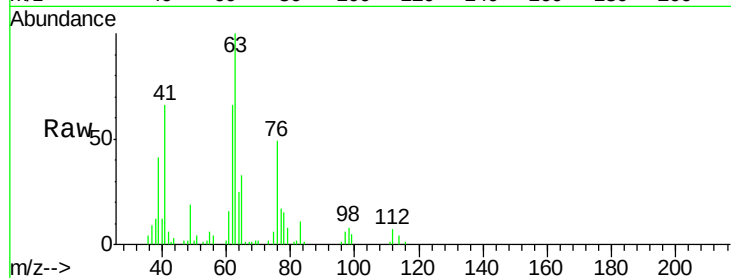
VSTD2.502

Tgt Ion: 63 Resp: 15168

Ion Ratio Lower Upper

63 100

112 6.4 4.5 6.7



#41

Bromodichloromethane

Concen: 2.200 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

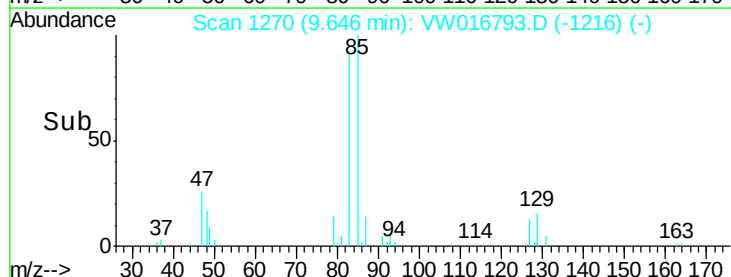
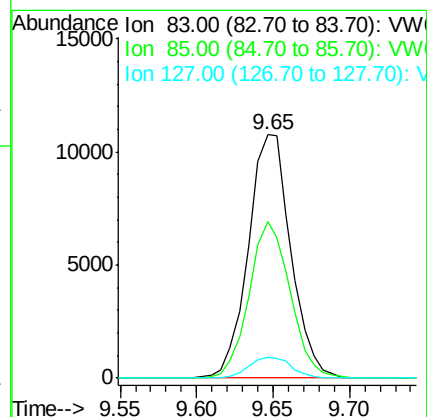
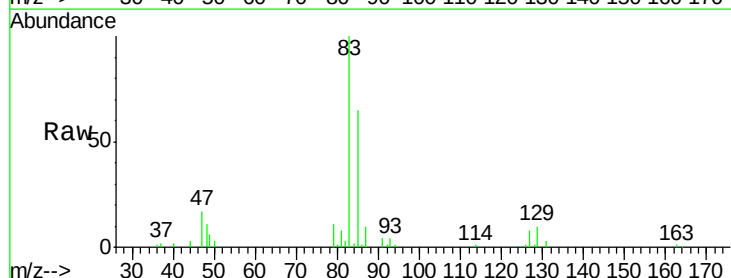
Tgt Ion: 83 Resp: 20800

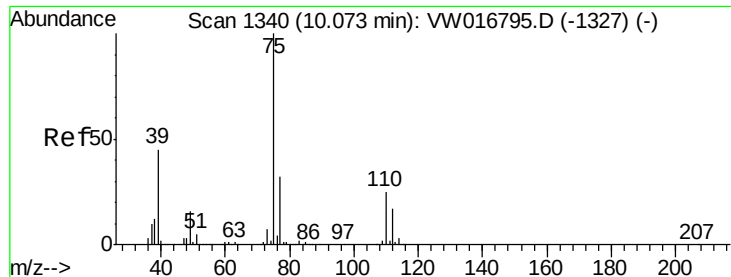
Ion Ratio Lower Upper

83 100

85 64.5 46.2 85.8

127 8.5 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 2.059 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

Instrument :

MSVOA_W

ClientSampleId :

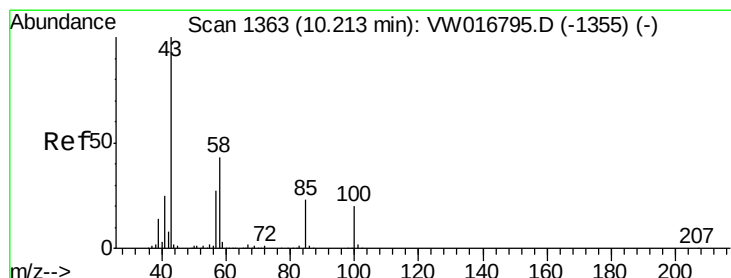
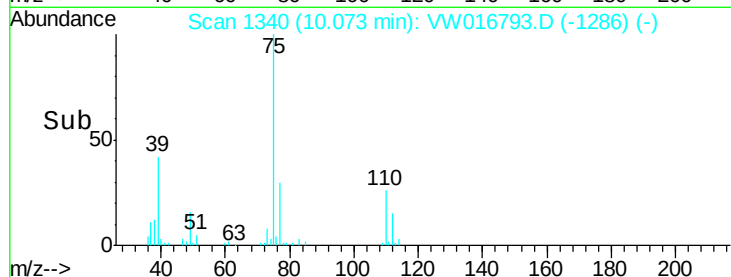
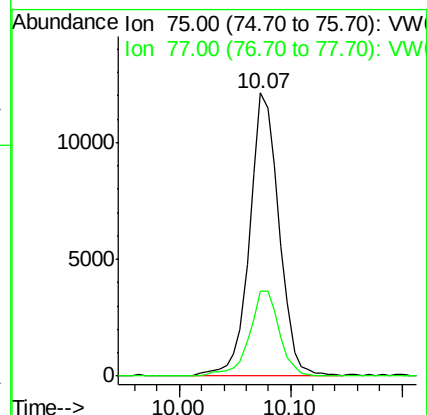
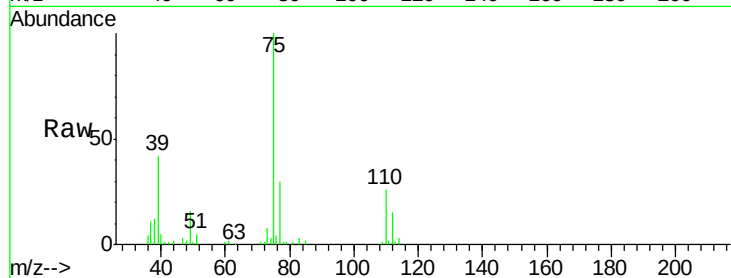
VSTD2.502

Tgt Ion: 75 Resp: 22396

Ion Ratio Lower Upper

75 100

77 29.8 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 3.573 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

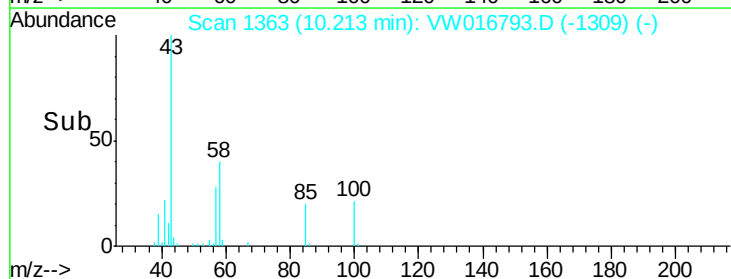
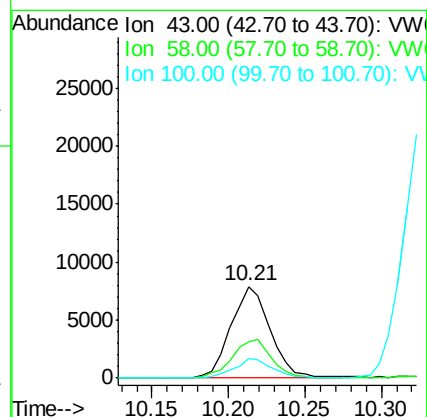
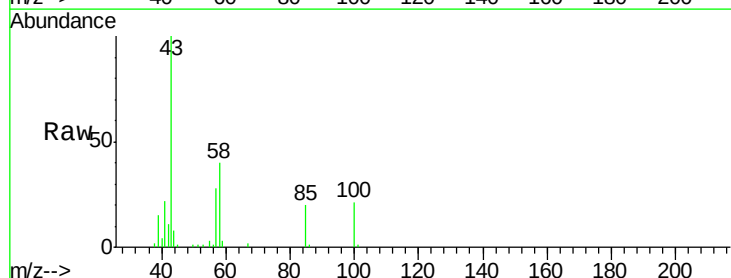
Tgt Ion: 43 Resp: 14068

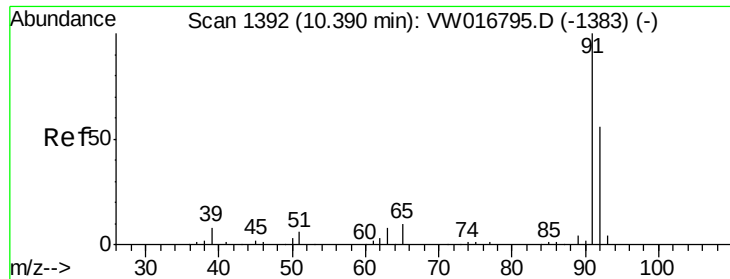
Ion Ratio Lower Upper

43 100

58 41.6 34.7 52.1

100 20.4 16.9 25.3





#44

Toluene

Concen: 2.396 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

Instrument :

MSVOA_W

ClientSampleId :

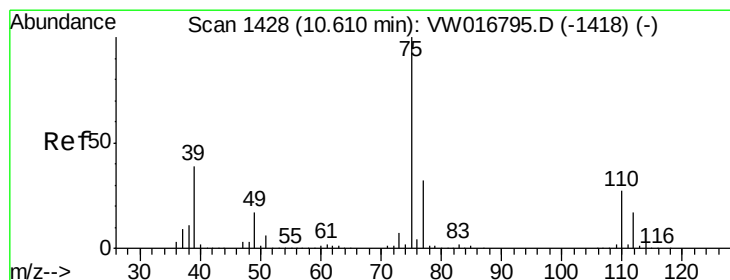
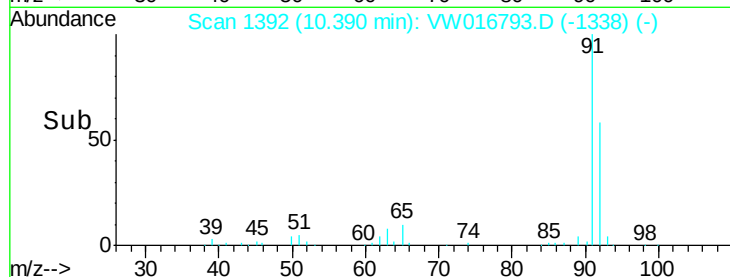
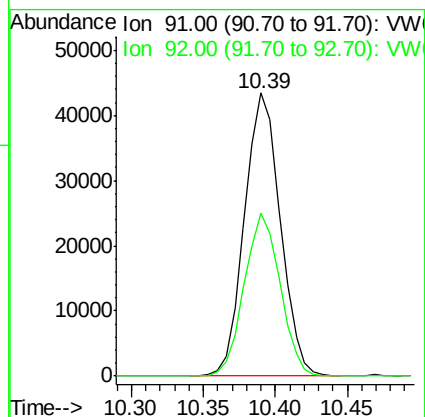
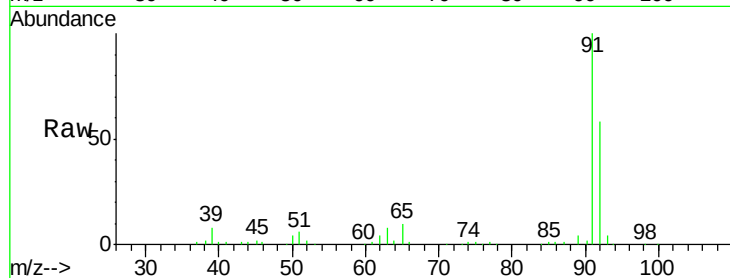
VSTD2.502

Tgt Ion: 91 Resp: 74833

Ion Ratio Lower Upper

91 100

92 57.8 39.4 73.2



#45

trans-1,3-Dichloropropene

Concen: 1.950 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016793.D

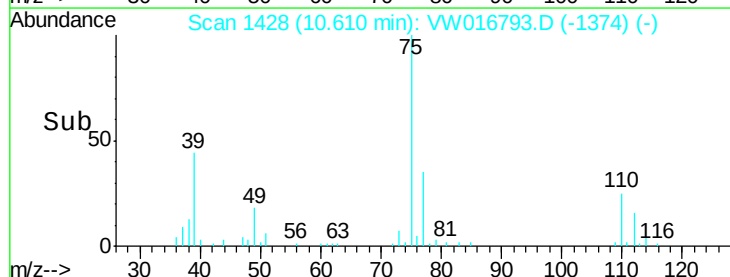
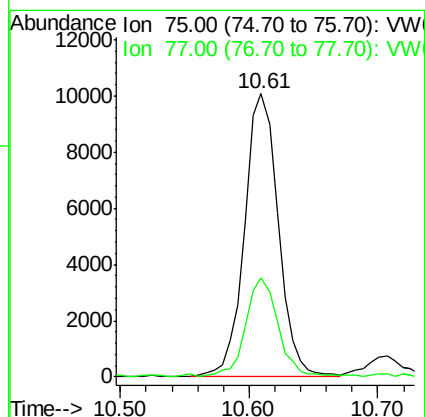
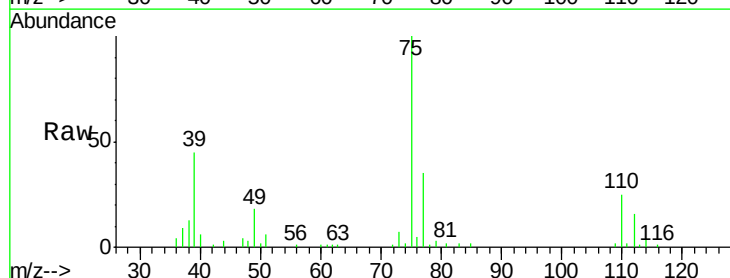
Acq: 06 Oct 2020 14:01

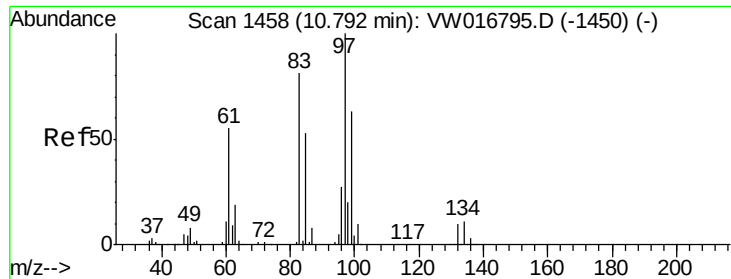
Tgt Ion: 75 Resp: 18300

Ion Ratio Lower Upper

75 100

77 35.1 22.2 41.2

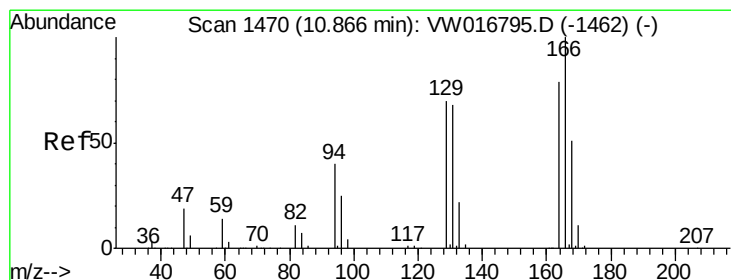
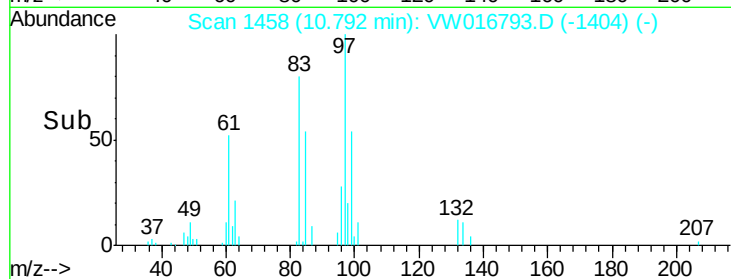
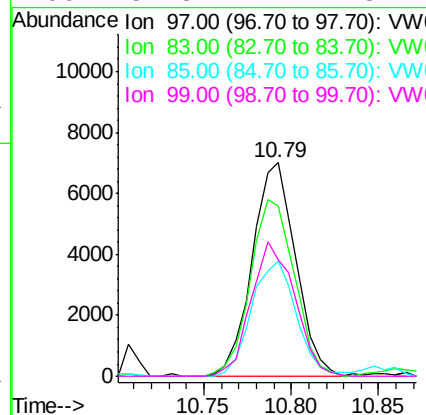
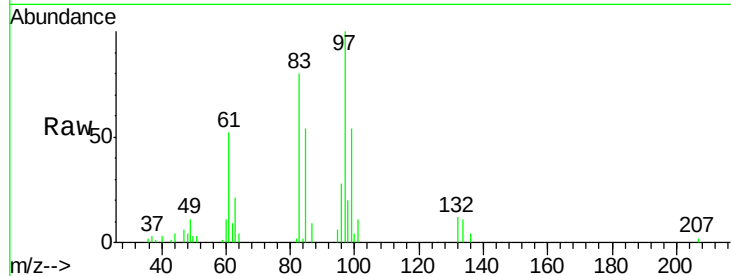




#46
 1,1,2-Trichloroethane
 Concen: 2.248 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW016793.D
 Acq: 06 Oct 2020 14:01

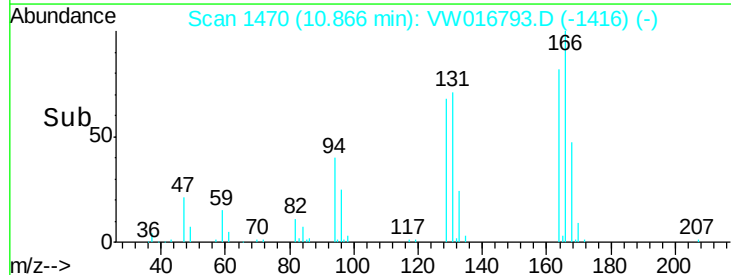
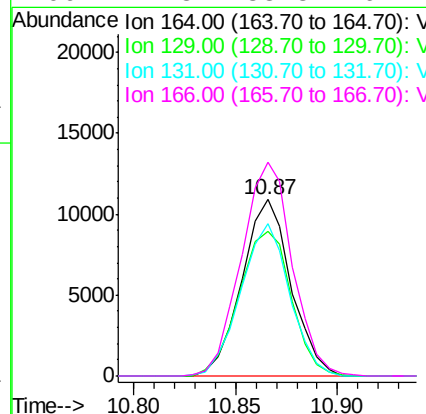
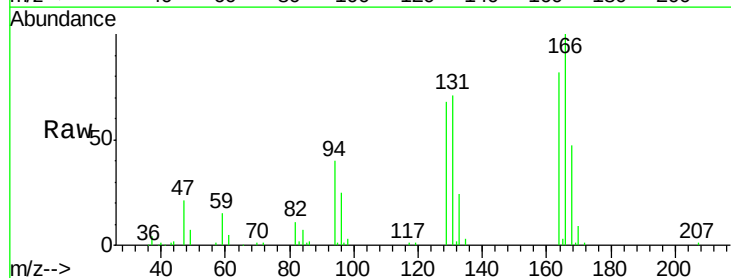
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

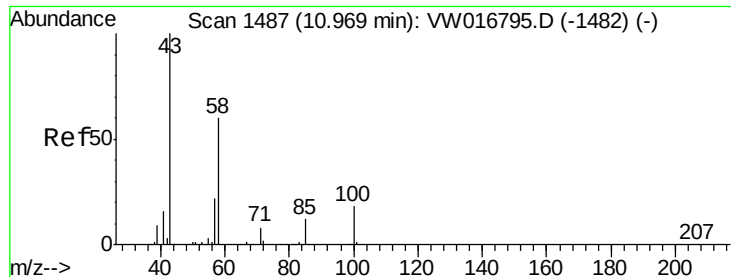
Tgt Ion:	97	Resp:	12072
Ion	Ratio	Lower	Upper
97	100		
83	79.9	56.8	105.4
85	53.7	37.0	68.6
99	54.3	44.2	82.2



#47
 Tetrachloroethene
 Concen: 2.516 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW016793.D
 Acq: 06 Oct 2020 14:01

Tgt Ion:	164	Resp:	18235
Ion	Ratio	Lower	Upper
164	100		
129	82.3	61.7	114.7
131	86.5	59.7	110.9
166	121.3	88.3	164.1

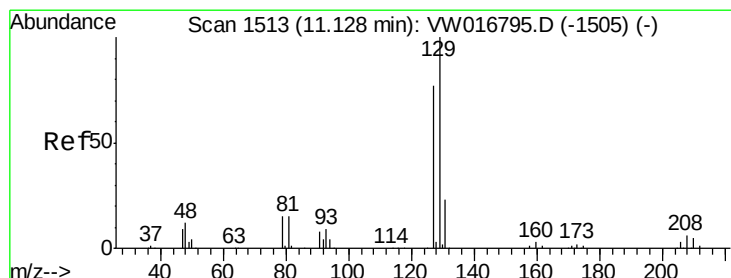
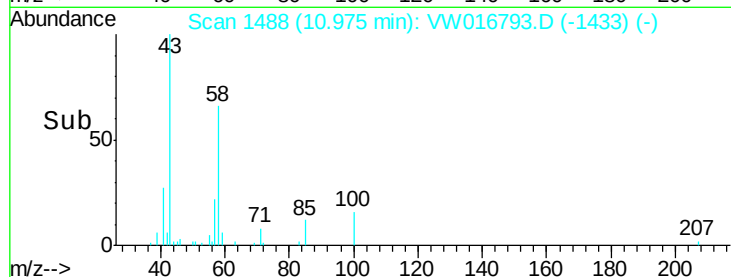
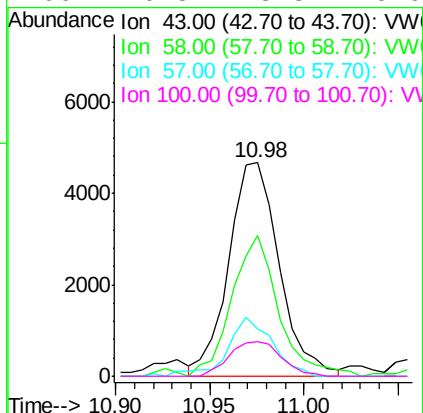
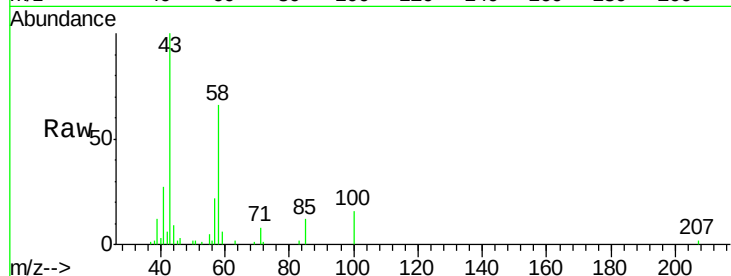




#49
2-Hexanone
Concen: 3.475 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW016793.D
Acq: 06 Oct 2020 14:01

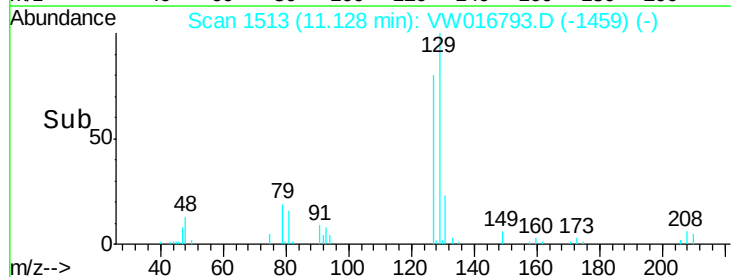
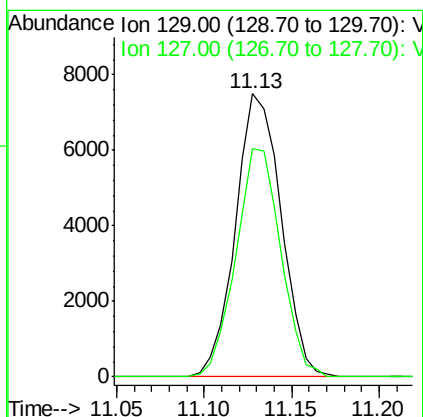
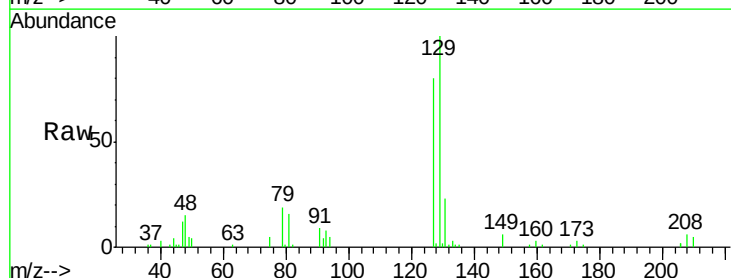
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

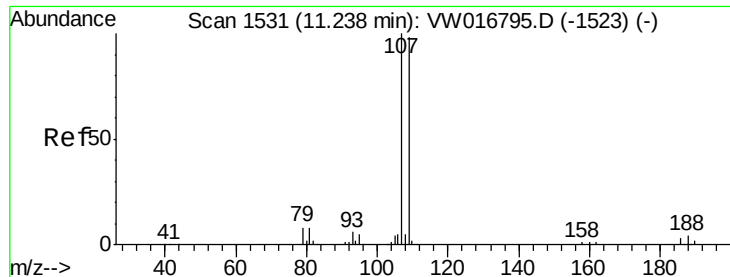
Tgt Ion: 43 Resp: 8681
Ion Ratio Lower Upper
43 100
58 60.9 47.1 70.7
57 23.0 16.2 24.4
100 16.8 13.3 19.9



#50
Dibromochloromethane
Concen: 1.957 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW016793.D
Acq: 06 Oct 2020 14:01

Tgt Ion: 129 Resp: 13620
Ion Ratio Lower Upper
129 100
127 80.5 54.0 100.4

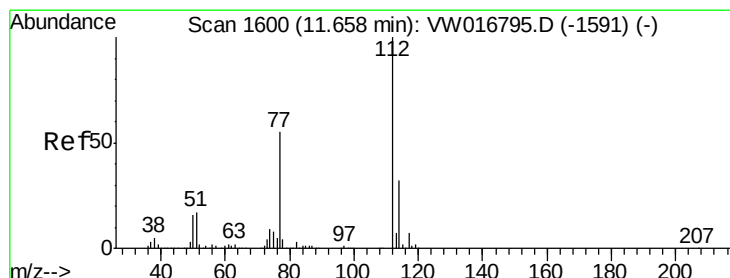
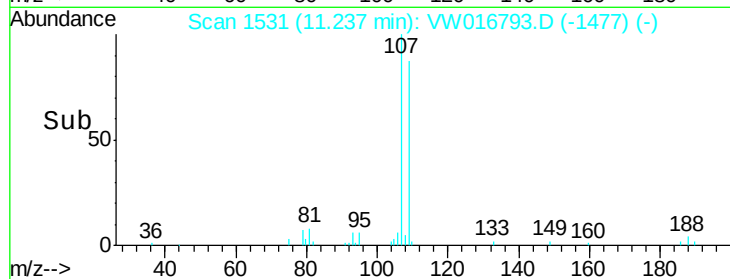
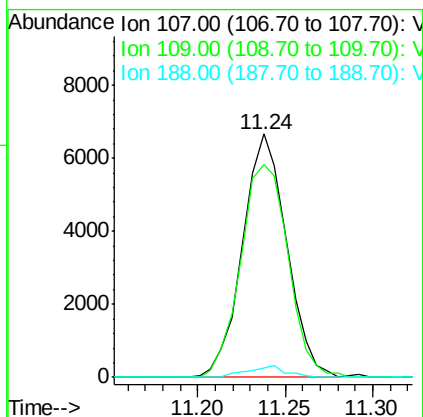
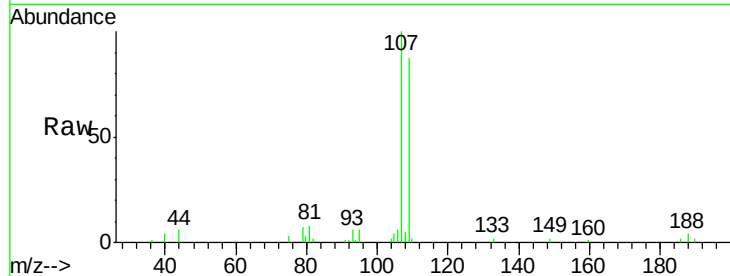




#51
1,2-Dibromoethane
Concen: 2.184 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW016793.D
Acq: 06 Oct 2020 14:01

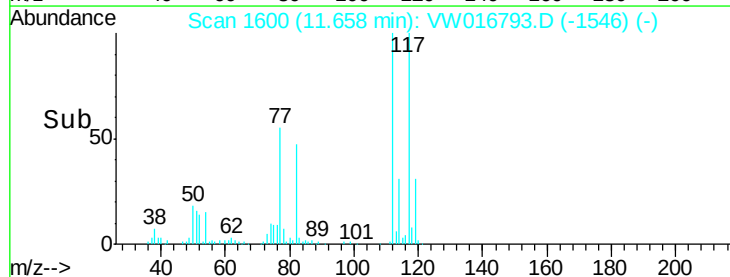
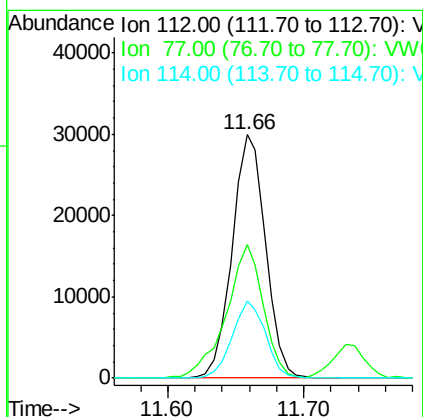
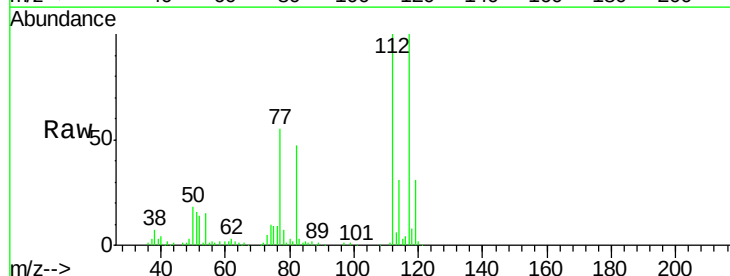
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

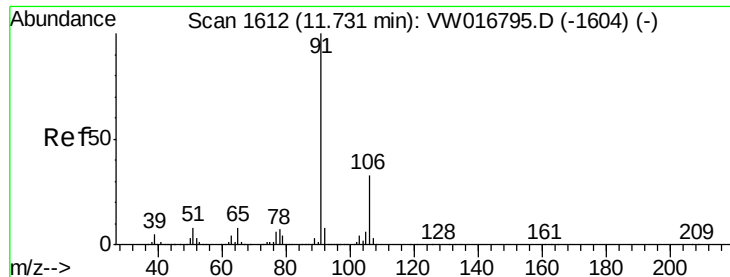
Tgt Ion:107 Resp: 11714
Ion Ratio Lower Upper
107 100
109 87.3 68.4 127.0
188 4.0 3.4 5.0



#52
Chlorobenzene
Concen: 2.430 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016793.D
Acq: 06 Oct 2020 14:01

Tgt Ion:112 Resp: 50930
Ion Ratio Lower Upper
112 100
77 54.8 44.0 66.0
114 31.5 22.3 41.3





#53

Ethylbenzene

Concen: 2.331 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

Instrument :

MSVOA_W

ClientSampleId :

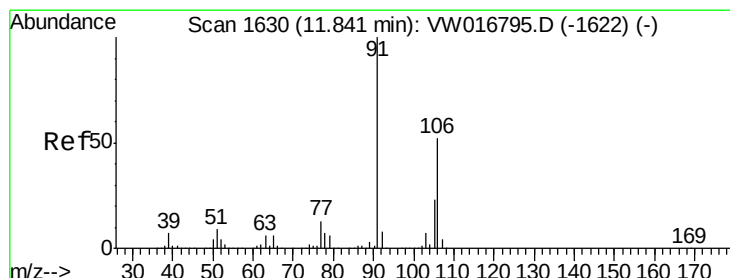
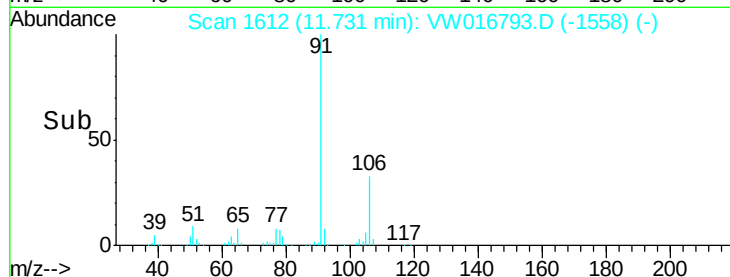
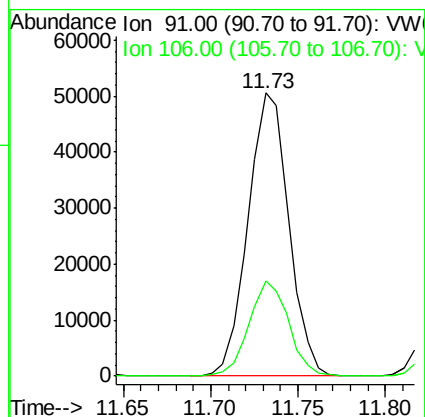
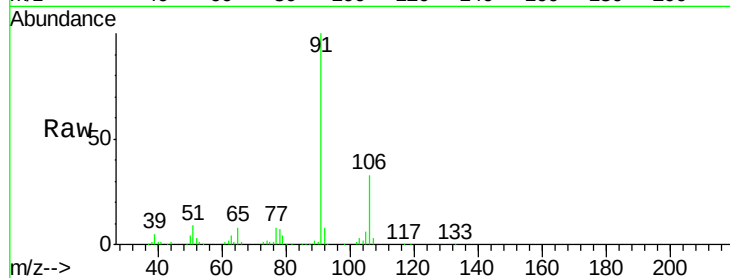
VSTD2.502

Tgt Ion: 91 Resp: 82439

Ion Ratio Lower Upper

91 100

106 33.4 22.8 42.4



#54

m,p-Xylene

Concen: 2.270 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016793.D

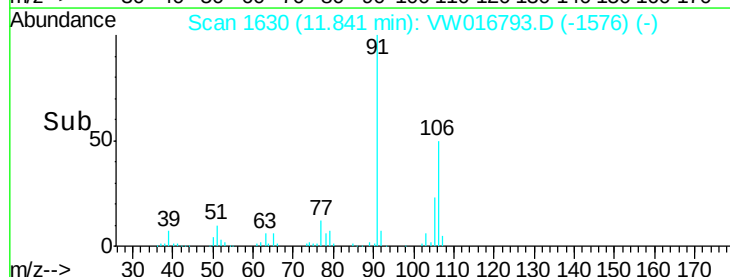
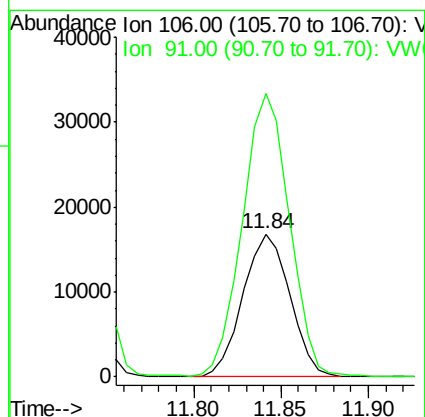
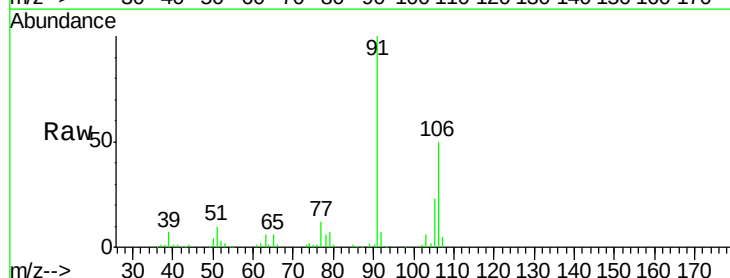
Acq: 06 Oct 2020 14:01

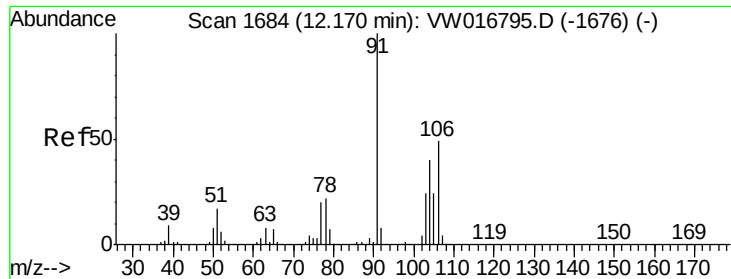
Tgt Ion: 106 Resp: 31523

Ion Ratio Lower Upper

106 100

91 198.1 135.6 251.8

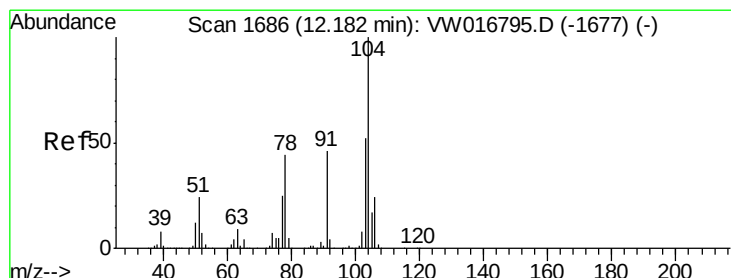
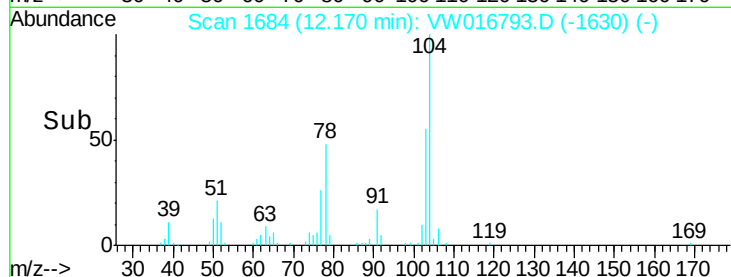
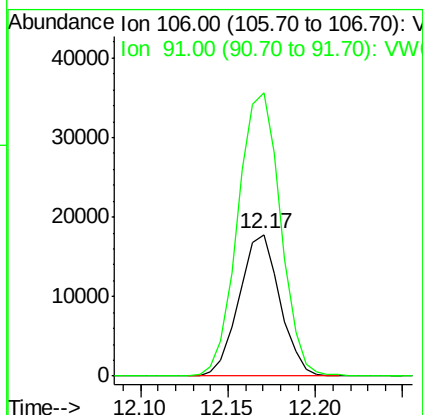
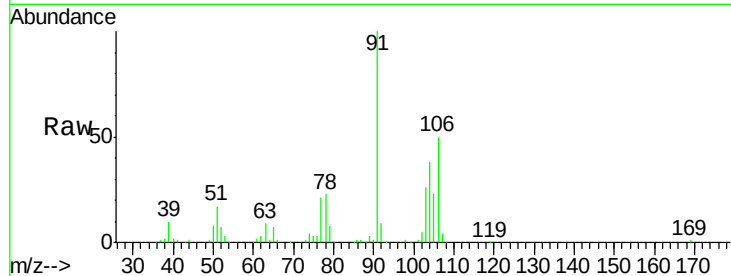




#55
o-xylene
Concen: 2.172 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016793.D
Acq: 06 Oct 2020 14:01

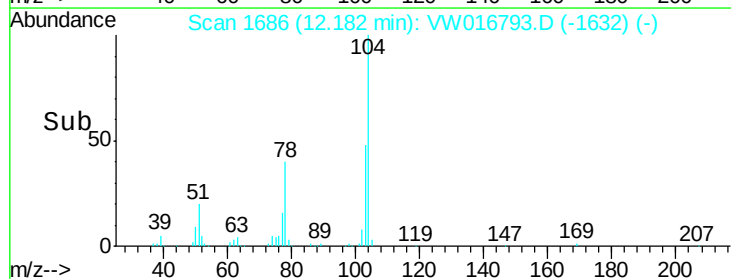
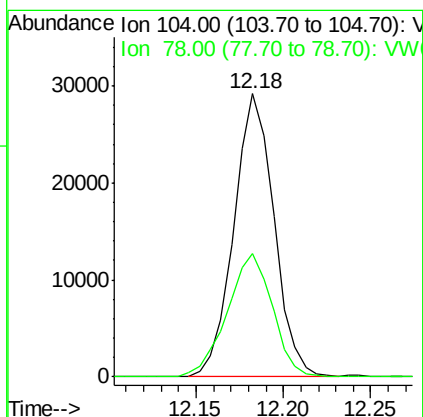
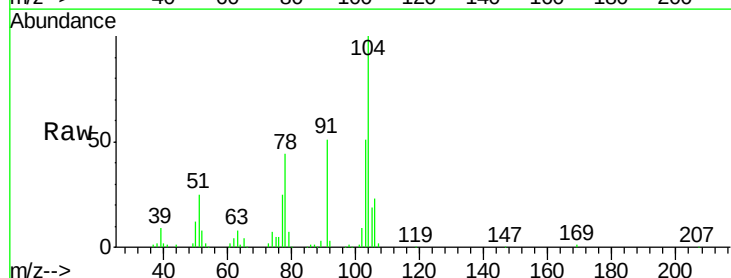
Instrument :
MSVOA_W
ClientSampled :
VSTD2.502

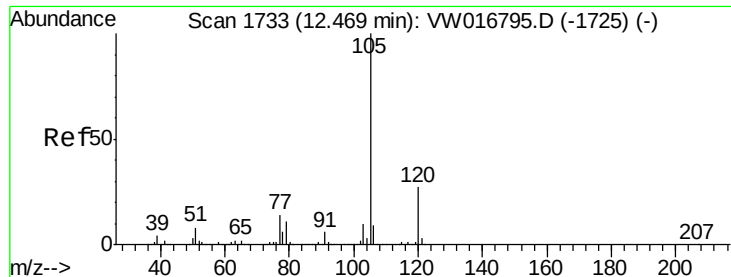
Tgt Ion:106 Resp: 28851
Ion Ratio Lower Upper
106 100
91 199.6 142.6 264.8



#56
Styrene
Concen: 2.131 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016793.D
Acq: 06 Oct 2020 14:01

Tgt Ion:104 Resp: 46821
Ion Ratio Lower Upper
104 100
78 43.8 30.7 57.1





#57

Isopropylbenzene

Concen: 2.282 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

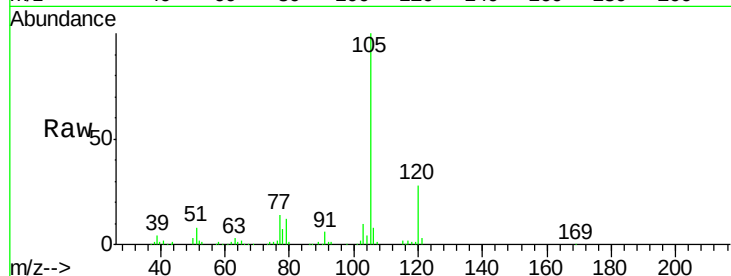
Tgt Ion: 105 Resp: 82911

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

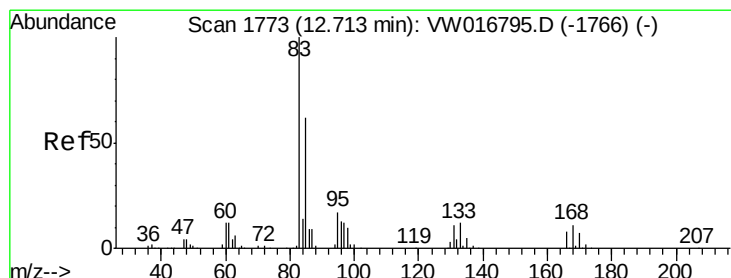
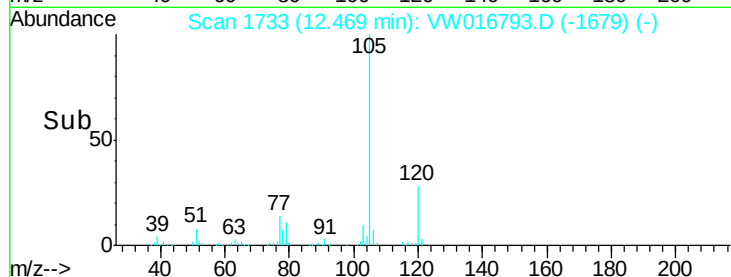
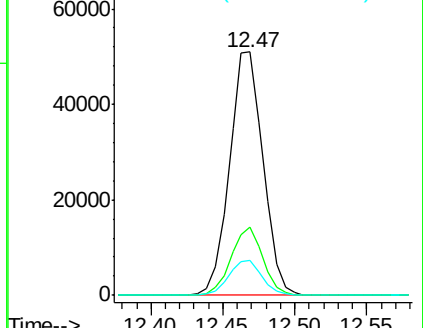
77 14.2 11.4 17.2



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: 2.190 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

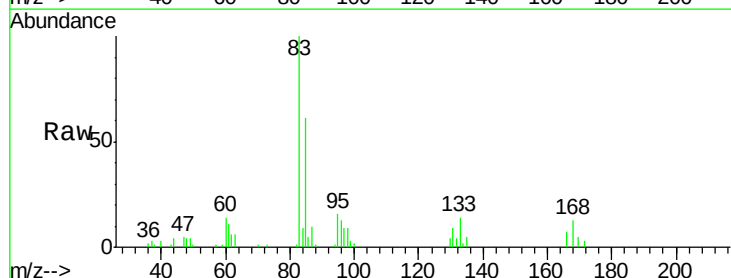
Tgt Ion: 83 Resp: 13115

Ion Ratio Lower Upper

83 100

85 60.9 43.3 80.5

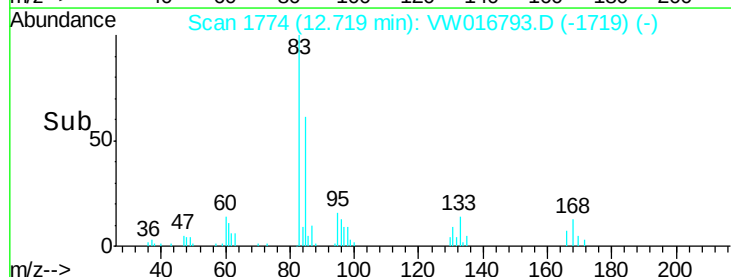
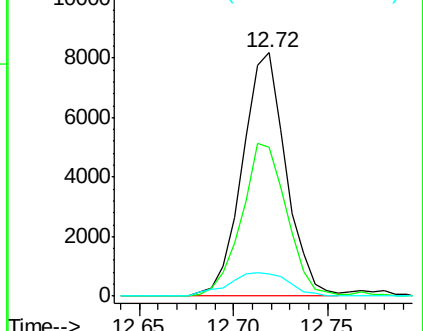
131 9.3 9.0 13.4

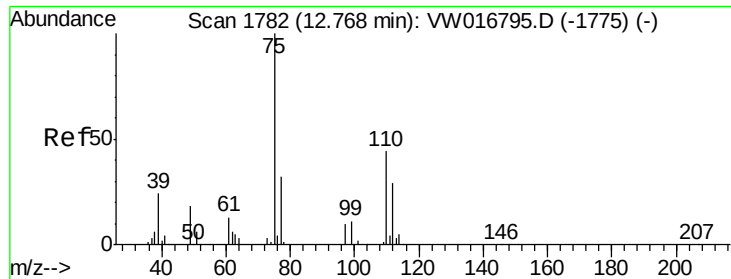


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.210 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

Instrument :

MSVOA_W

ClientSampleId :

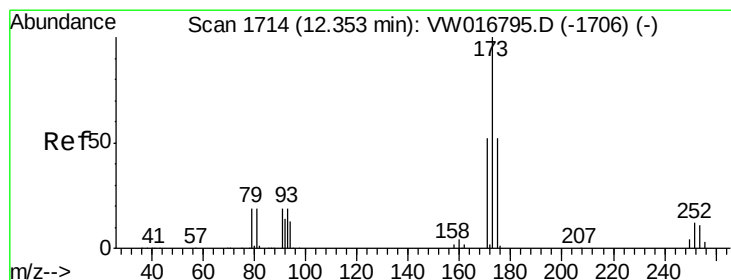
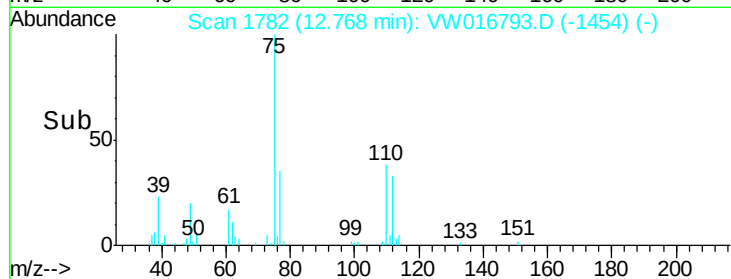
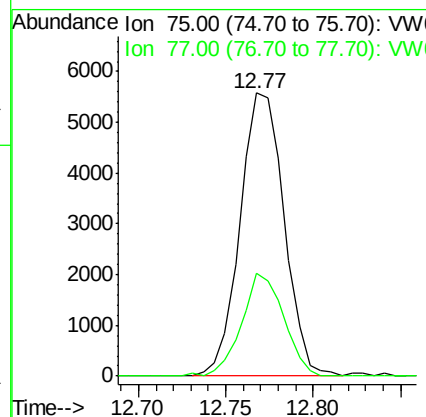
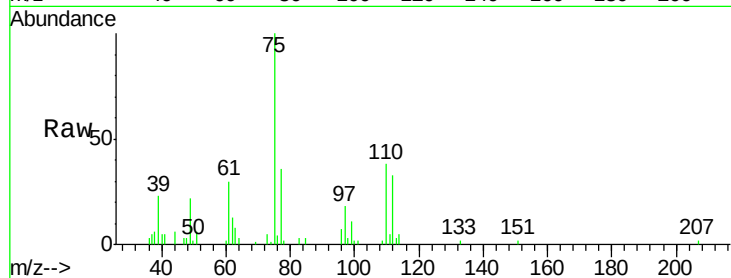
VSTD2.502

Tgt Ion: 75 Resp: 9780

Ion Ratio Lower Upper

75 100

77 34.4 26.2 39.2



#62

Bromoform

Concen: 1.835 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

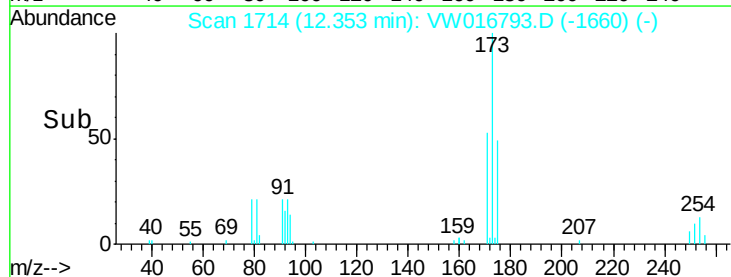
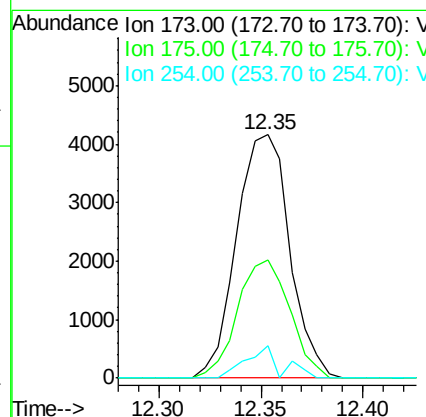
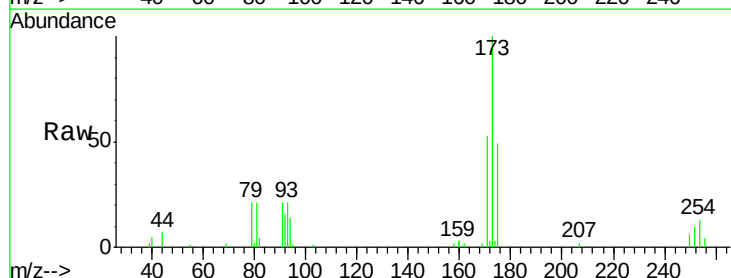
Tgt Ion: 173 Resp: 7549

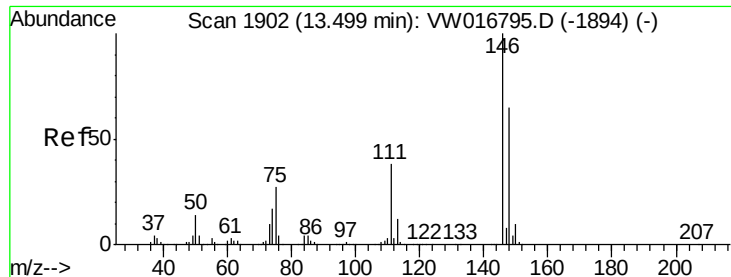
Ion Ratio Lower Upper

173 100

175 47.5 39.9 59.9

254 6.5 8.7 13.1#

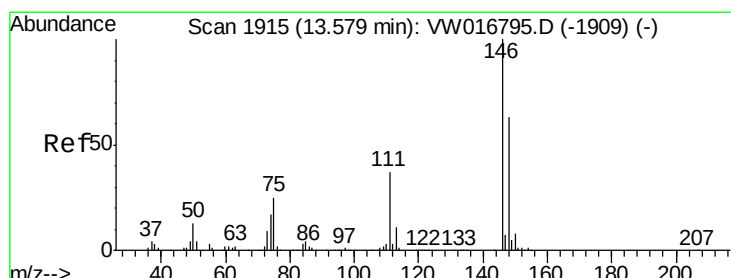
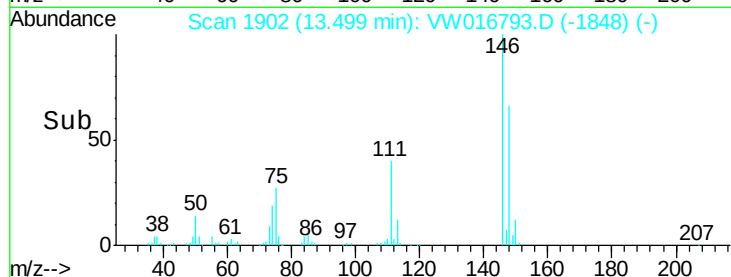
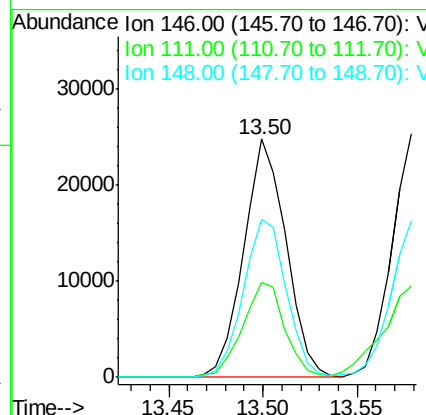
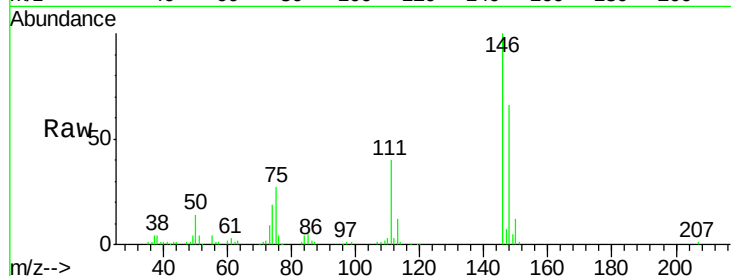




#63
 1,3-Dichlorobenzene
 Concen: 2.342 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016793.D
 Acq: 06 Oct 2020 14:01

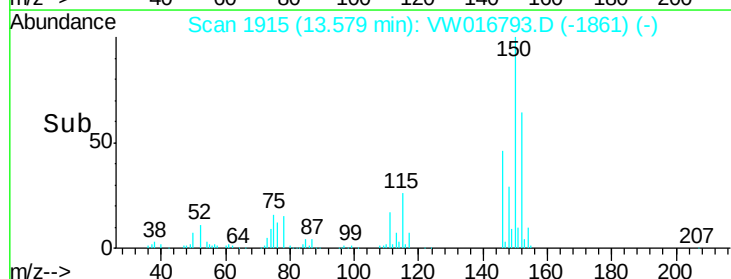
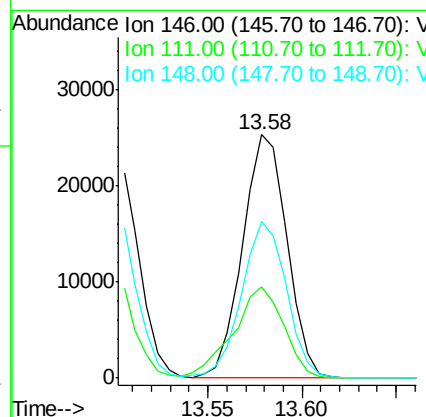
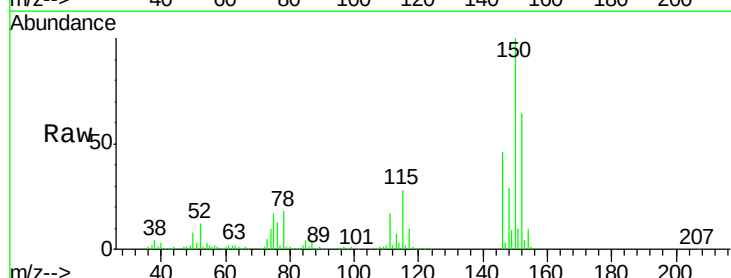
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

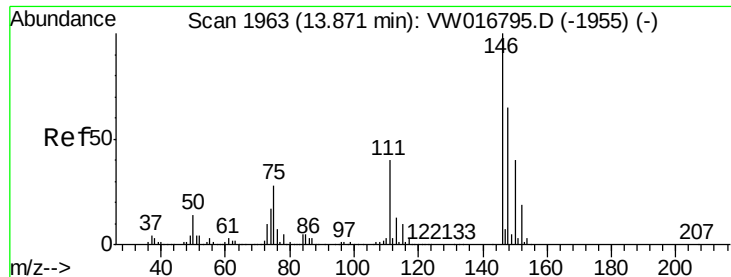
Tgt Ion:146 Resp: 38525
 Ion Ratio Lower Upper
 146 100
 111 40.1 26.9 49.9
 148 66.4 45.7 84.9



#64
 1,4-Dichlorobenzene
 Concen: 2.579 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016793.D
 Acq: 06 Oct 2020 14:01

Tgt Ion:146 Resp: 41411
 Ion Ratio Lower Upper
 146 100
 111 37.5 26.0 48.4
 148 64.1 43.9 81.5





#65

1,2-Dichlorobenzene

Concen: 2.511 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

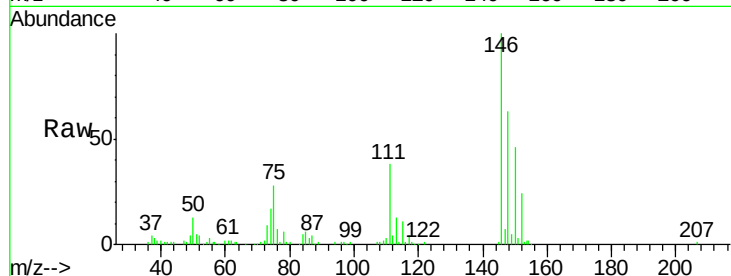
Tgt Ion:146 Resp: 36773

Ion Ratio Lower Upper

146 100

111 38.3 32.1 48.1

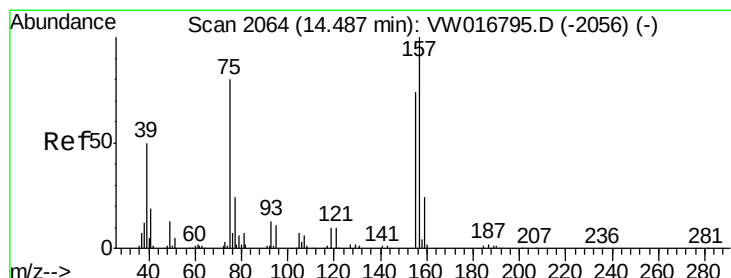
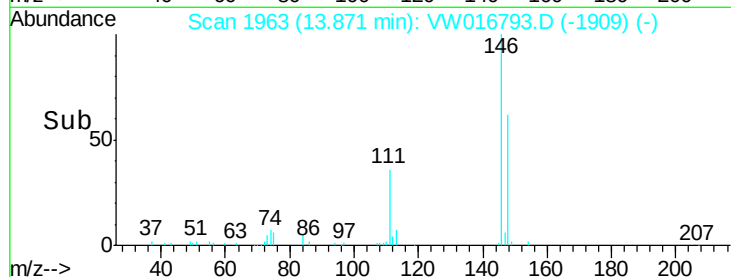
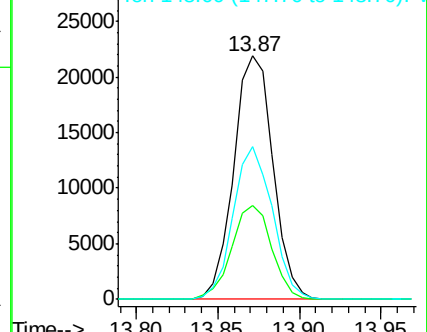
148 63.0 51.8 77.6



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: 2.144 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

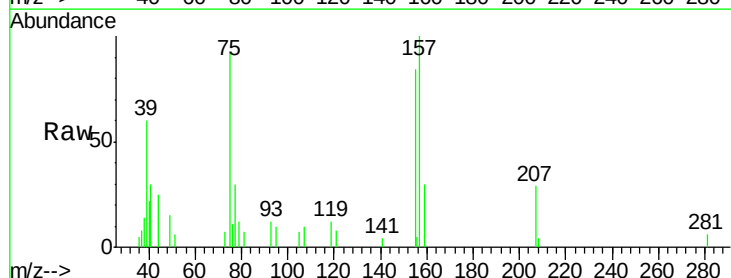
Tgt Ion: 75 Resp: 2165

Ion Ratio Lower Upper

75 100

157 107.9 100.5 150.7

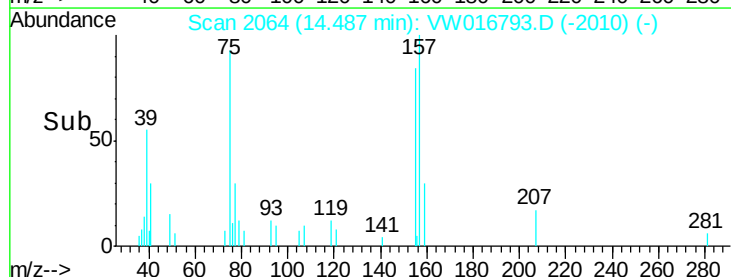
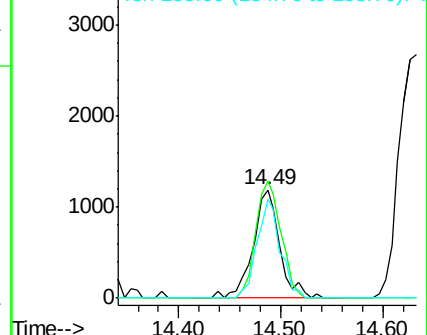
155 90.7 74.7 112.1

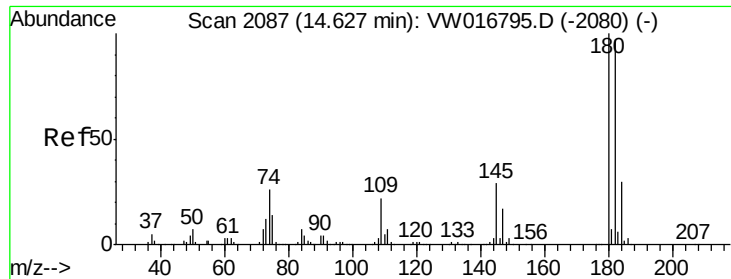


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

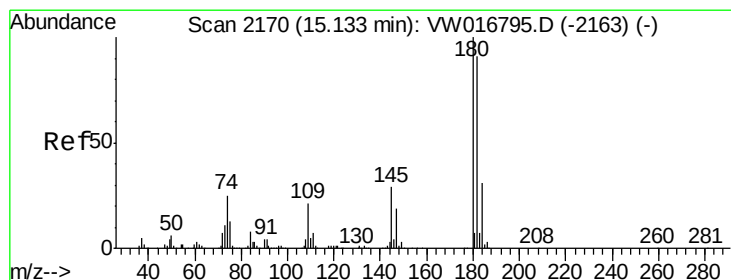
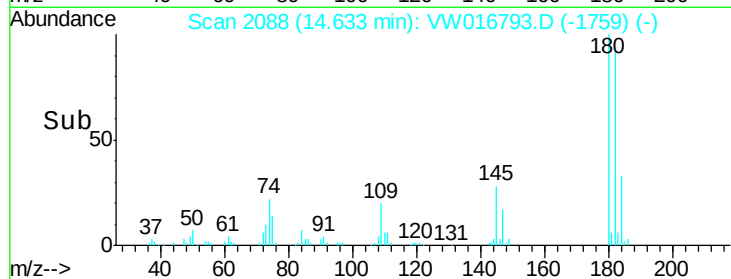
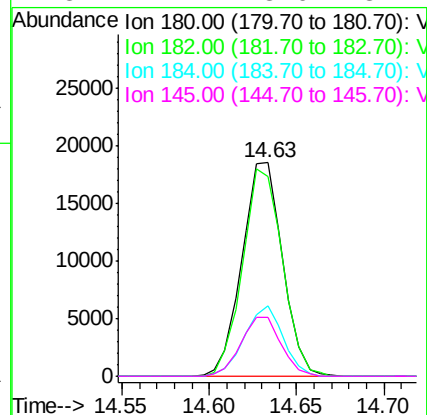
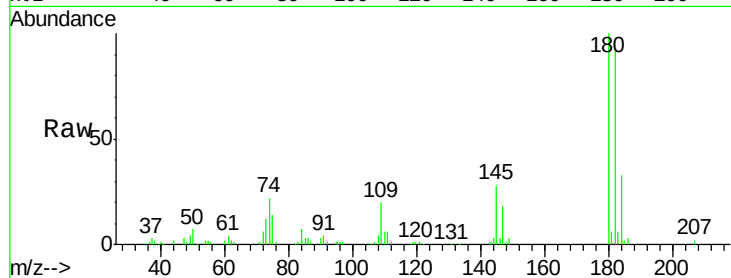




#67
 1,3,5-Trichlorobenzene
 Concen: 2.520 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016793.D
 Acq: 06 Oct 2020 14:01

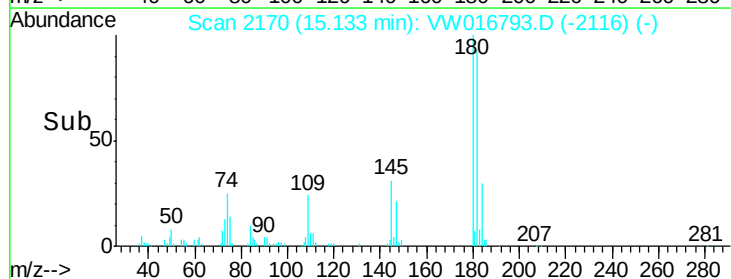
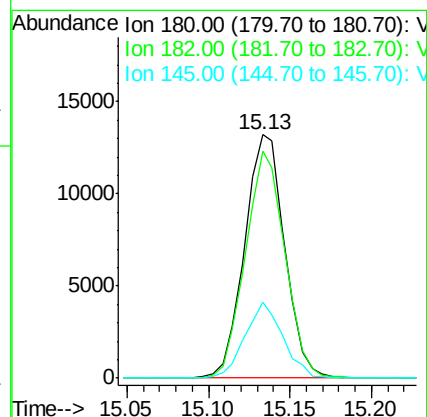
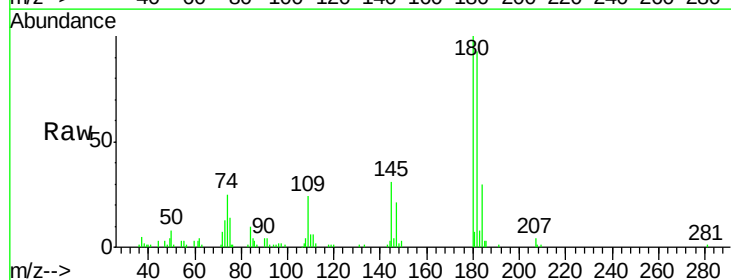
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

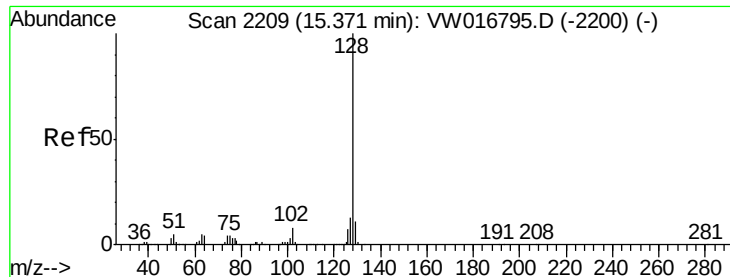
Tgt Ion:	180	Resp:	30047
Ion	Ratio	Lower	Upper
180	100		
182	95.2	79.0	118.6
184	31.3	24.9	37.3
145	27.4	23.0	34.4



#68
 1,2,4-trichlorobenzene
 Concen: 2.333 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016793.D
 Acq: 06 Oct 2020 14:01

Tgt Ion:	180	Resp:	22540
Ion	Ratio	Lower	Upper
180	100		
182	92.2	74.2	111.2
145	29.4	23.4	35.0





#69

Naphthalene

Concen: 1.930 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

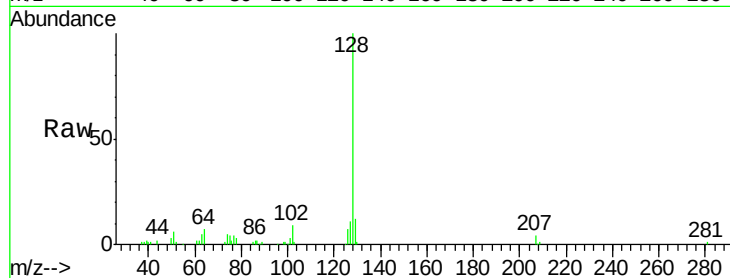
Tgt Ion:128 Resp: 32631

Ion Ratio Lower Upper

128 100

129 10.1 8.7 13.1

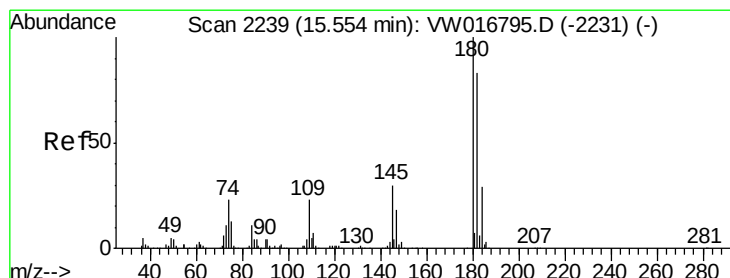
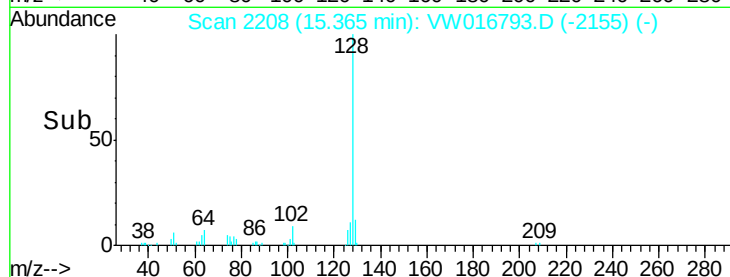
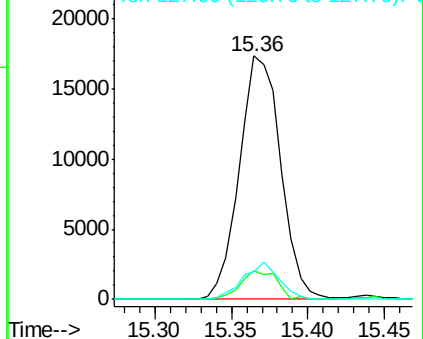
127 13.2 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 2.390 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW016793.D

Acq: 06 Oct 2020 14:01

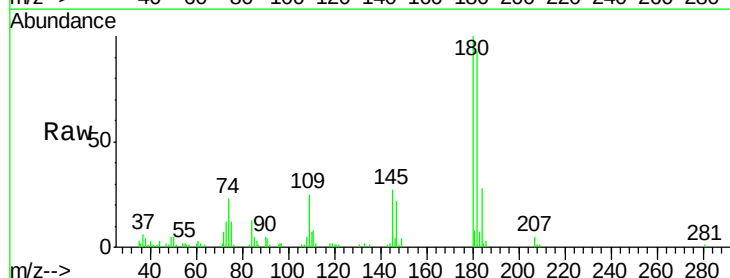
Tgt Ion:180 Resp: 19857

Ion Ratio Lower Upper

180 100

182 94.1 74.1 111.1

145 29.9 24.8 37.2



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

