

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100720\
 Data File : VW016796.D
 Acq On : 06 Oct 2020 15:12
 Operator : SY/VA
 Sample : VSTD05005
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

Quant Time: Oct 06 15:58:50 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	590433	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	547363	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	279953	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	269655	46.48	ug/L	0.00
7) Chloroethane-d5	2.89	69	222759	46.74	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	585265	45.63	ug/L	0.00
20) 2-Butanone-d5	7.09	46	129845	84.96	ug/L	0.00
24) Chloroform-d	7.65	84	578197	46.25	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	283577	44.63	ug/L	0.00
29) Benzene-d6	8.27	84	1126076	44.97	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	308607	45.79	ug/L	0.00
37) Toluene-d8	10.33	98	1072739	43.81	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	147648	44.35	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	113094	94.46	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	264066	46.45	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	406480	44.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	360835	49.139 ug/L	94
3) Chloromethane	2.21	50	321383	57.901 ug/L	98
5) Vinyl chloride	2.37	62	413126	51.646 ug/L	99
6) Bromomethane	2.78	94	299770	49.996 ug/L	99
8) Chloroethane	2.93	64	251216	52.794 ug/L	100
9) Trichlorofluoromethane	3.26	101	326215	42.798 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	397234	51.504 ug/L	99
12) 1,1-Dichloroethene	4.05	96	387508	51.124 ug/L	91
13) Acetone	4.14	43	95726	82.211 ug/L	100
14) Carbon disulfide	4.39	76	1120706	49.517 ug/L	100
15) Methyl Acetate	4.68	43	132777	49.315 ug/L	99
16) Methylene chloride	4.92	84	366445	40.341 ug/L	99
17) Methyl tert-butyl Ether	5.43	73	457252	46.219 ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	404311	51.539 ug/L	96
19) 1,1-Dichloroethane	6.22	63	626359	50.827 ug/L	98
21) 2-Butanone	7.18	43	169291	84.912 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	418883	51.878 ug/L	96
23) Bromochloromethane	7.52	128	199239	51.051 ug/L	90
25) Chloroform	7.68	83	679532	50.727 ug/L	98
27) 1,2-Dichloroethane	8.40	62	412360	48.709 ug/L	100
30) Cyclohexane	7.96	56	573741	47.767 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	576847	45.643 ug/L	99
32) Carbon tetrachloride	8.07	117	581589	46.990 ug/L	99
34) Benzene	8.32	78	1459599	49.215 ug/L	100
35) Trichloroethene	9.09	95	417054	48.793 ug/L	100
36) Methylcyclohexane	9.34	83	702383	48.506 ug/L	100
40) 1,2-Dichloropropane	9.37	63	334818	48.847 ug/L	100
41) Bromodichloromethane	9.65	83	485242	48.245 ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	566286	48.924 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	383577	91.555 ug/L	100

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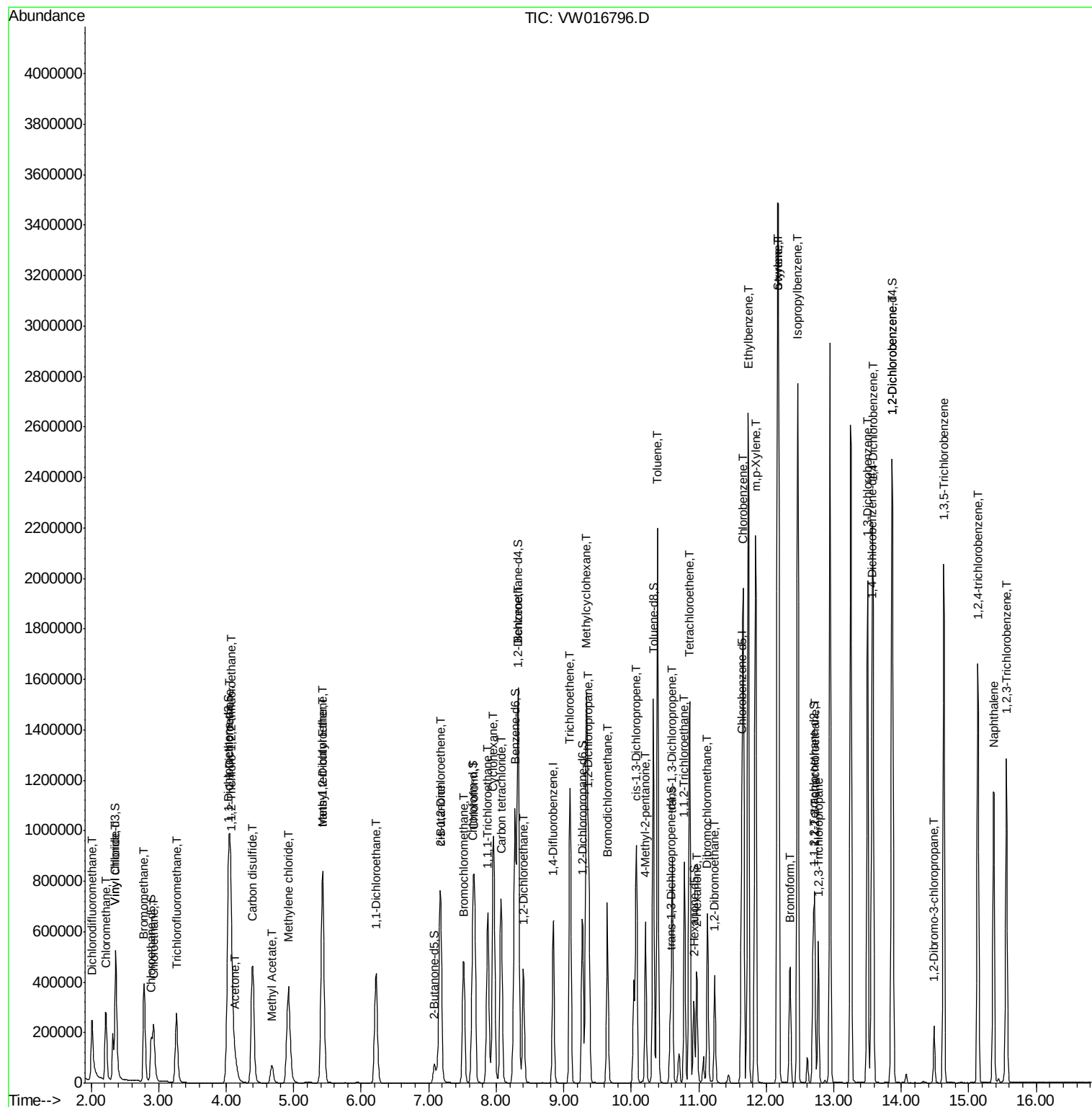
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1638639	49.300	ug/L	95
45) trans-1,3-Dichloropropene	10.61	75	497281	49.809	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	284775	49.849	ug/L	98
47) Tetrachloroethene	10.87	164	380043	49.279	ug/L	97
49) 2-Hexanone	10.97	43	260742	98.098	ug/L	98
50) Dibromochloromethane	11.13	129	370454	50.024	ug/L	98
51) 1,2-Dibromoethane	11.24	107	285434	50.010	ug/L	95
52) Chlorobenzene	11.66	112	1094712	49.081	ug/L	98
53) Ethylbenzene	11.73	91	1862643	49.490	ug/L	100
54) m,p-Xylene	11.84	106	730390	49.432	ug/L	99
55) o-xylene	12.16	106	698204	49.400	ug/L	98
56) Styrene	12.18	104	1184422	50.653	ug/L	100
57) Isopropylbenzene	12.46	105	1903094	49.227	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	324884	50.984	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	235294	49.977	ug/L	100
62) Bromoform	12.35	173	227314	49.809	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	879726	48.203	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	899803	50.502	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	804764	49.535	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	52828	47.155	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	665162	50.290	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	558743	52.125	ug/L	96
69) Naphthalene	15.37	128	1073981	57.259	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	487445	52.883	ug/L	98

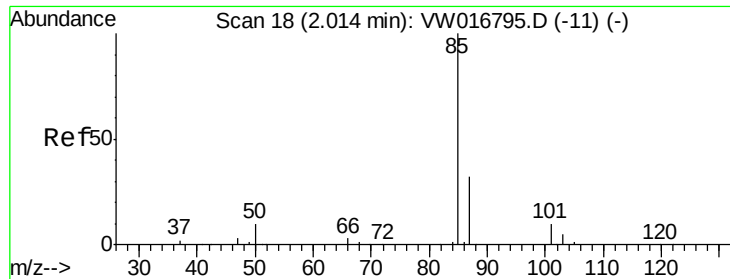
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW100720\
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#2

Dichlorodifluoromethane

Concen: 49.139 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

Instrument :

MSVOA_W

ClientSampled :

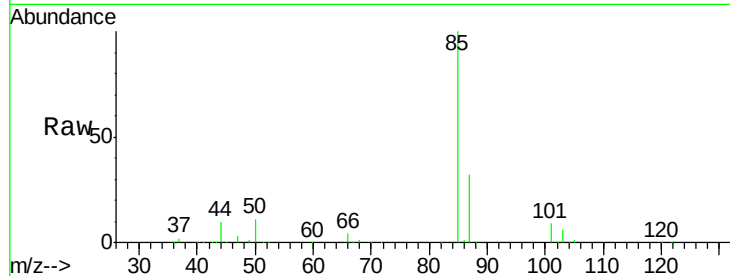
VSTD05005

Tgt Ion: 85 Resp: 360835

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

2.01

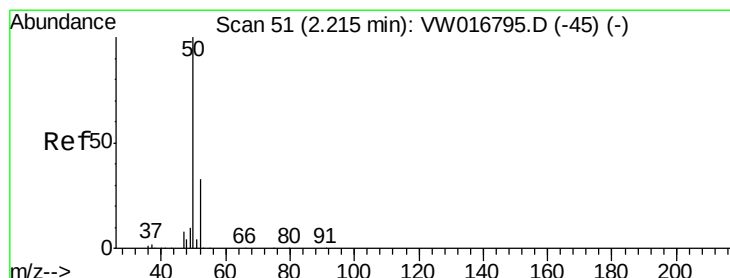
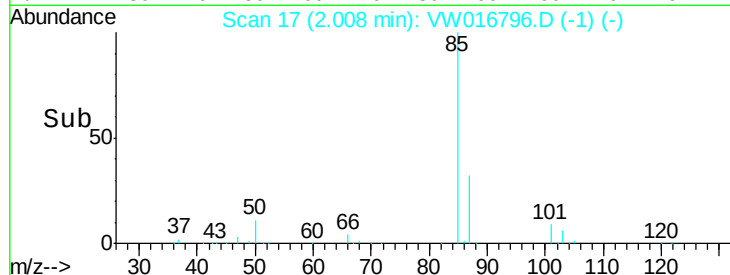
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 57.901 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016796.D

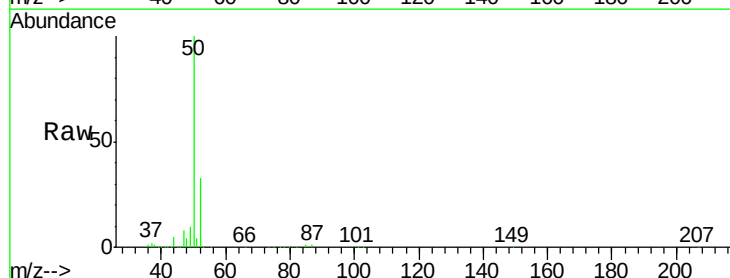
Acq: 06 Oct 2020 15:12

Tgt Ion: 50 Resp: 321383

Ion Ratio Lower Upper

50 100

52 33.4 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

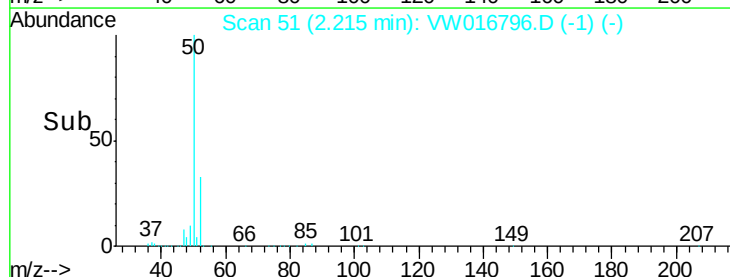
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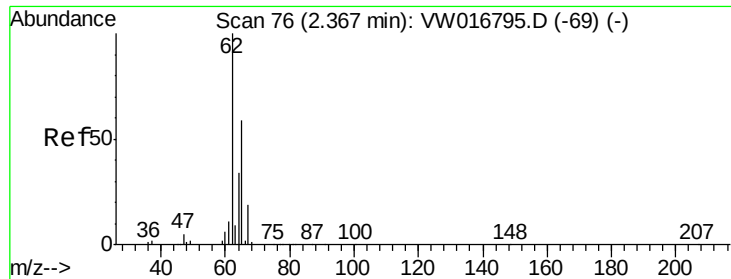
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 51.646 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

Instrument :

MSVOA_W

ClientSampleId :

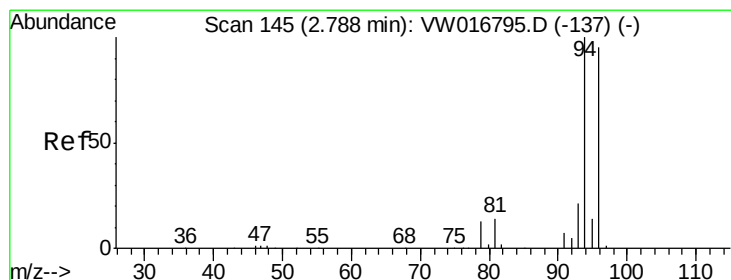
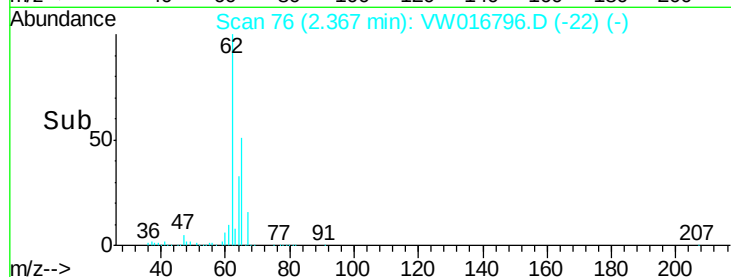
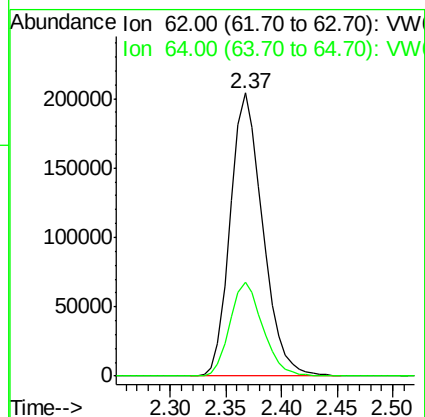
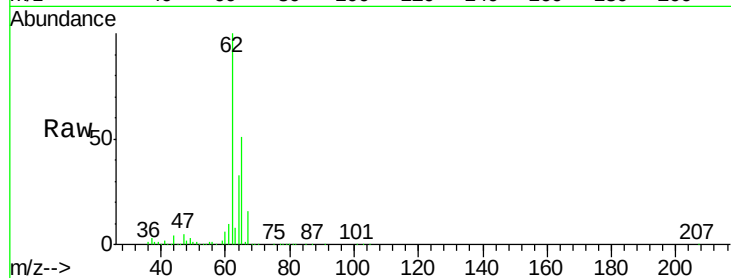
VSTD05005

Tgt Ion: 62 Resp: 413126

Ion Ratio Lower Upper

62 100

64 33.3 23.5 43.7



#6

Bromomethane

Concen: 49.996 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016796.D

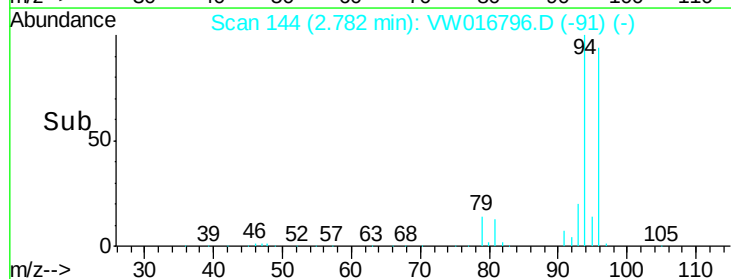
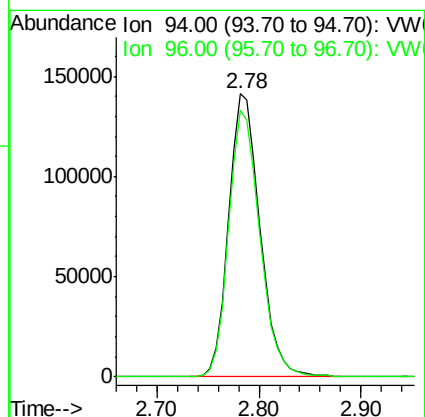
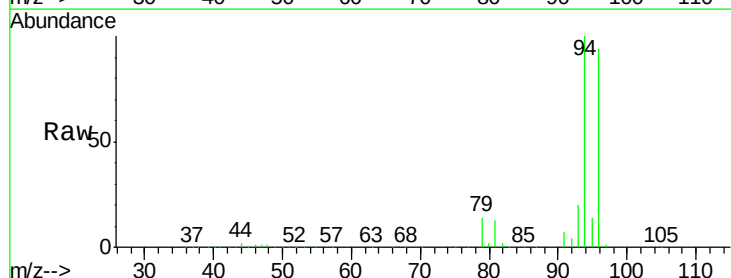
Acq: 06 Oct 2020 15:12

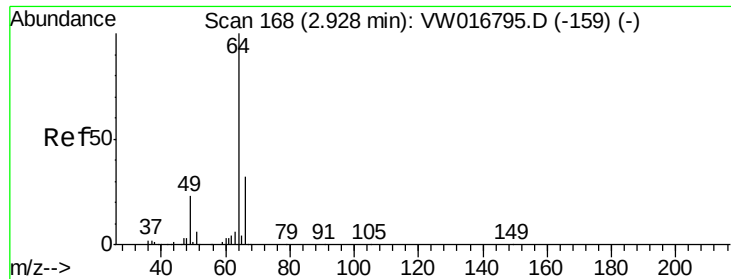
Tgt Ion: 94 Resp: 299770

Ion Ratio Lower Upper

94 100

96 94.2 9.5 180.7





#8

Chloroethane

Concen: 52.794 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

Instrument :

MSVOA_W

ClientSampleId :

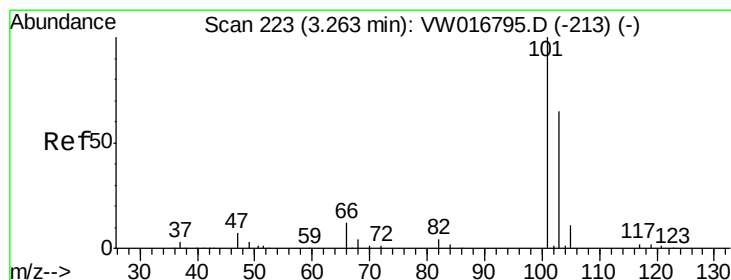
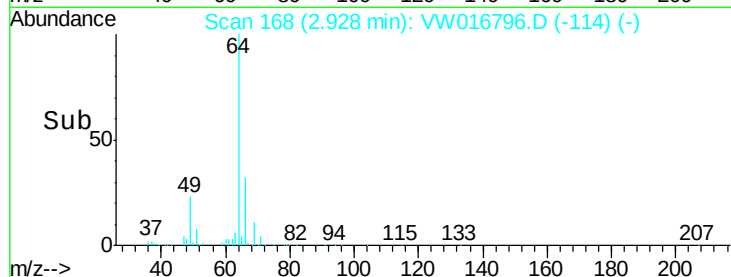
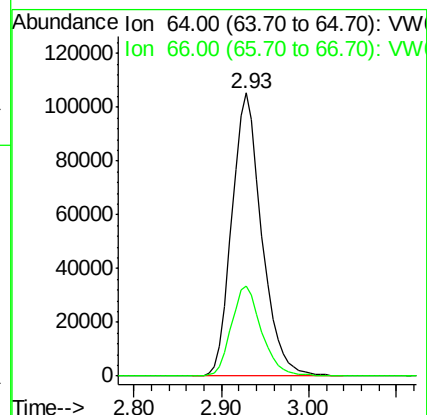
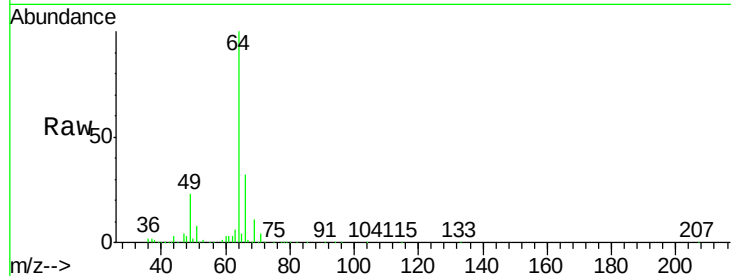
VSTD05005

Tgt Ion: 64 Resp: 251216

Ion Ratio Lower Upper

64 100

66 32.0 22.5 41.7



#9

Trichlorofluoromethane

Concen: 42.798 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW016796.D

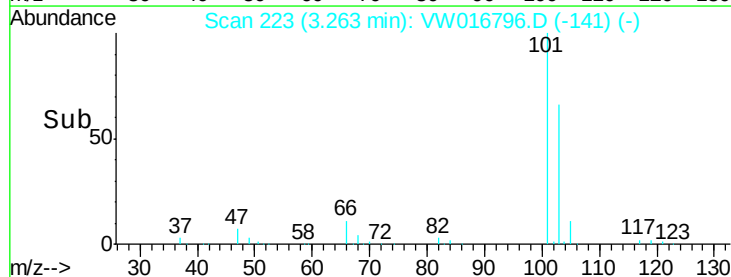
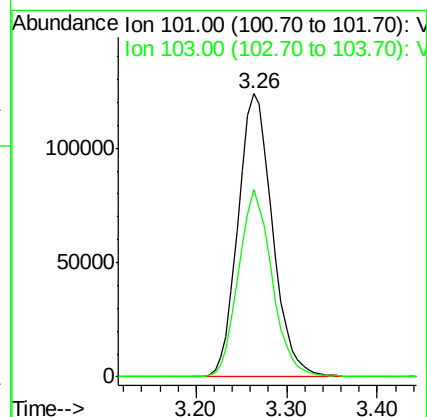
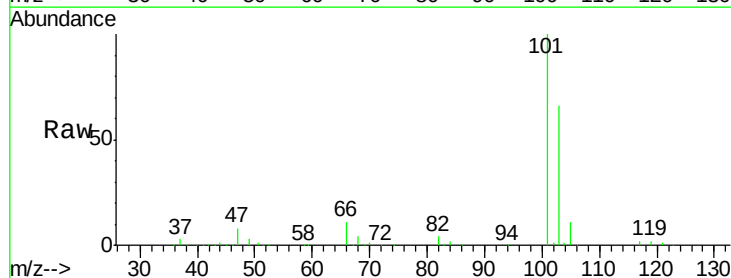
Acq: 06 Oct 2020 15:12

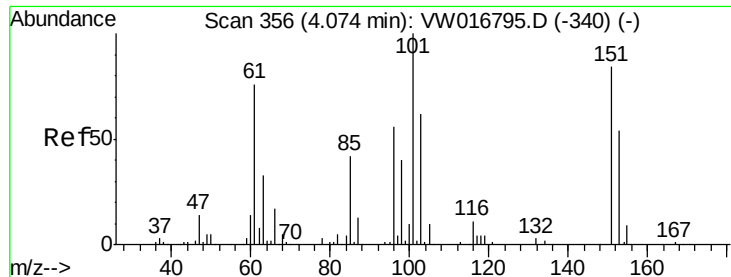
Tgt Ion: 101 Resp: 326215

Ion Ratio Lower Upper

101 100

103 64.6 45.2 84.0





#11

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

Concen: 51.504 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

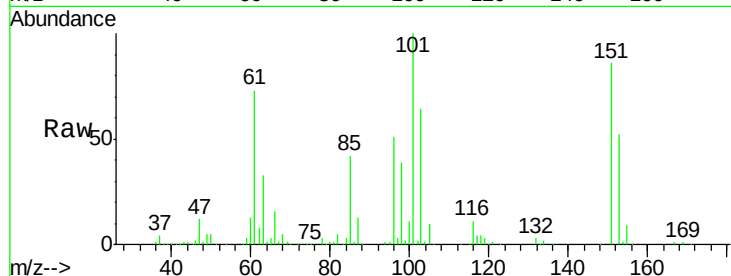
Tgt Ion: 101 Resp: 397234

Ion Ratio Lower Upper

101 100

85 41.3 31.7 47.5

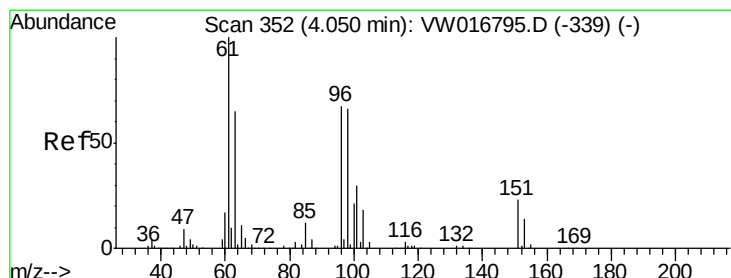
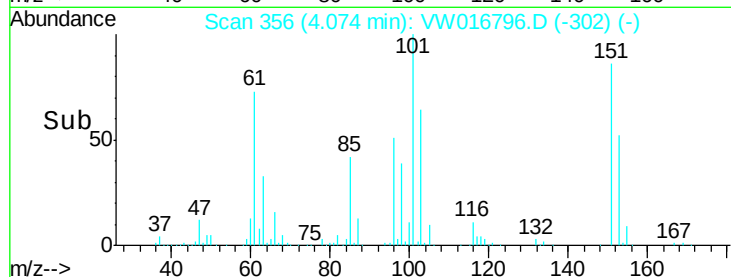
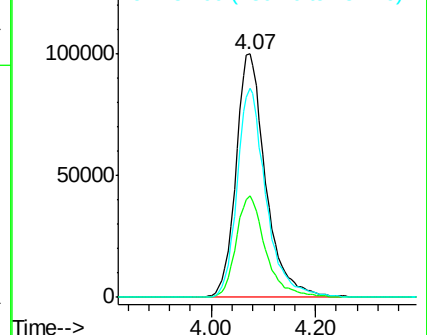
151 83.6 66.6 99.8



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: 51.124 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

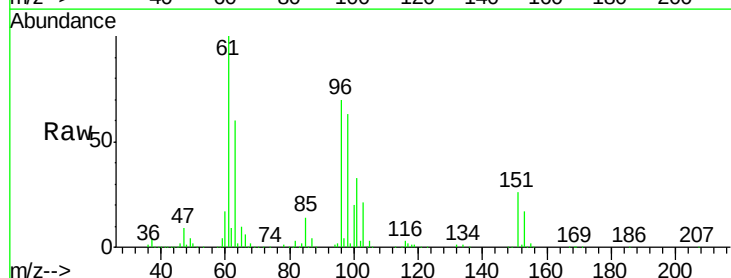
Tgt Ion: 96 Resp: 387508

Ion Ratio Lower Upper

96 100

61 143.7 105.1 195.1

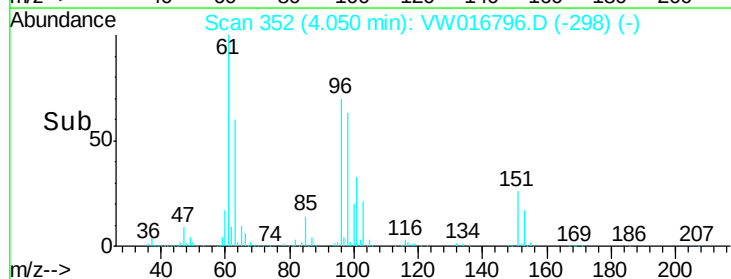
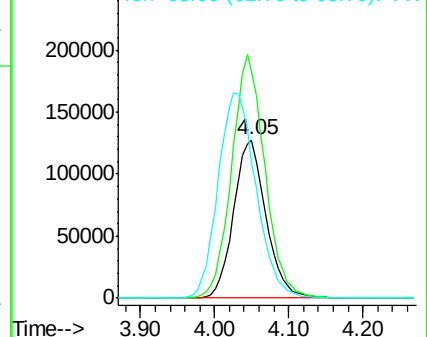
63 86.0 69.9 129.7

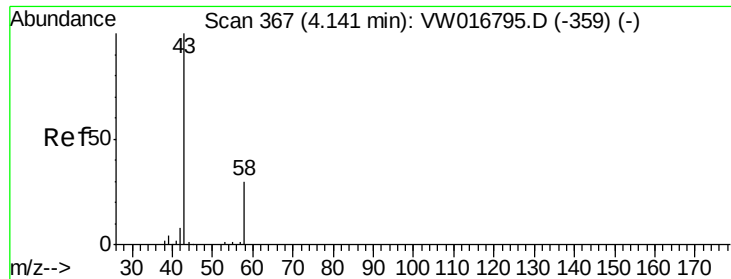


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 82.211 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

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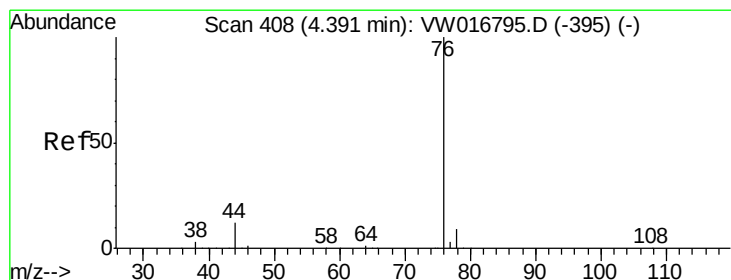
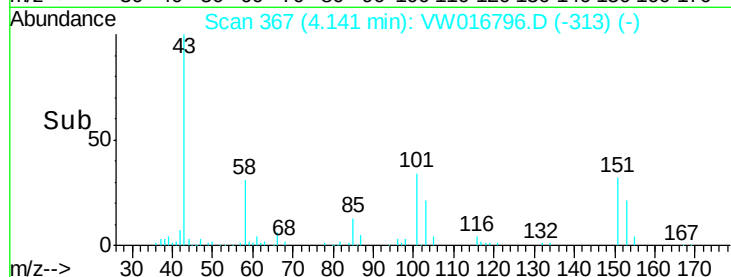
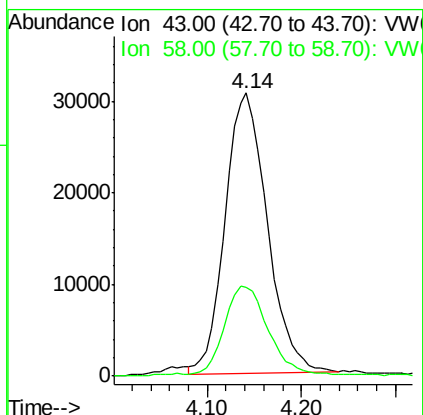
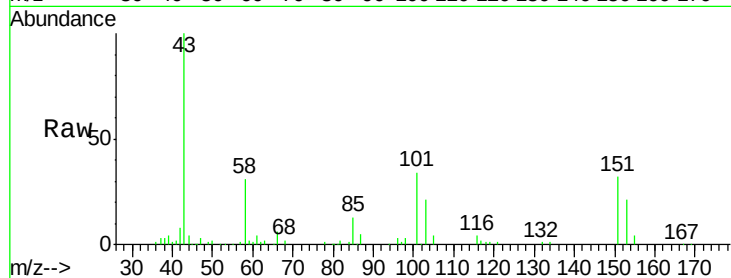
VSTD05005

Tgt Ion: 43 Resp: 95726

Ion Ratio Lower Upper

43 100

58 33.9 0.0 67.6



#14

Carbon disulfide

Concen: 49.517 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW016796.D

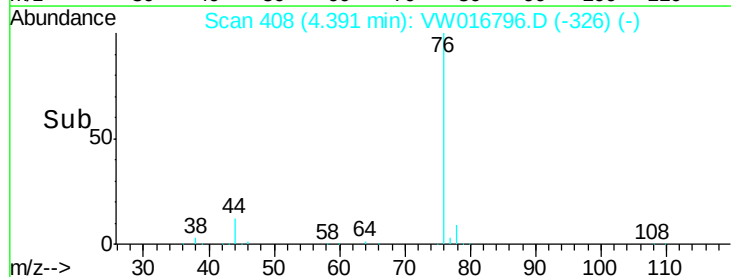
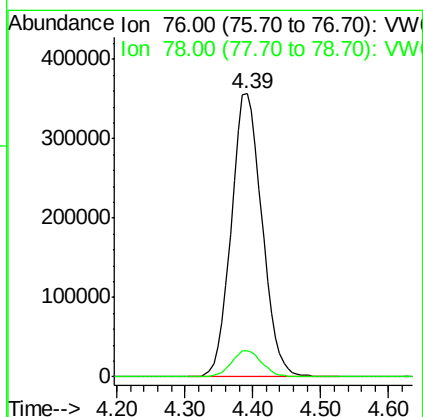
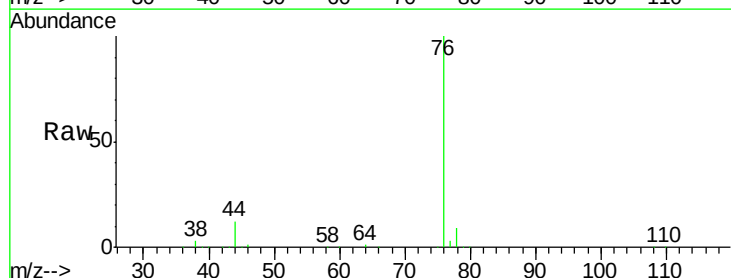
Acq: 06 Oct 2020 15:12

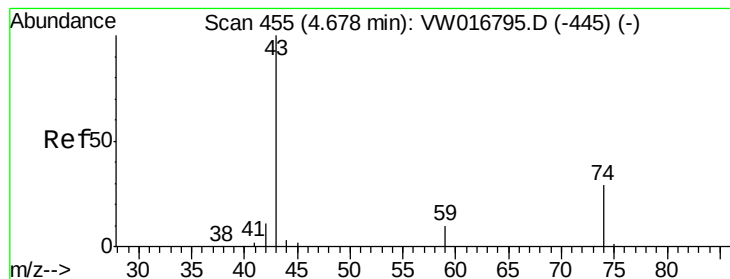
Tgt Ion: 76 Resp: 1120706

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methyl Acetate

Concen: 49.315 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

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ClientSampleId :

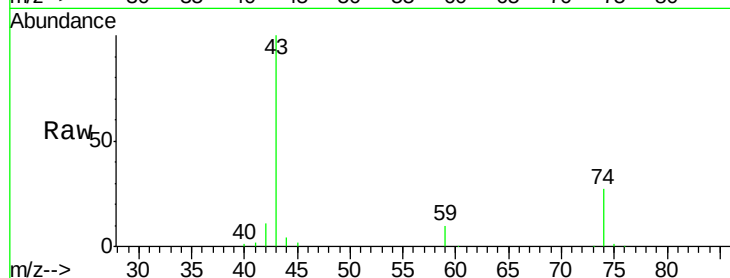
VSTD05005

Tgt Ion: 43 Resp: 132777

Ion Ratio Lower Upper

43 100

74 28.0 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

40000

30000

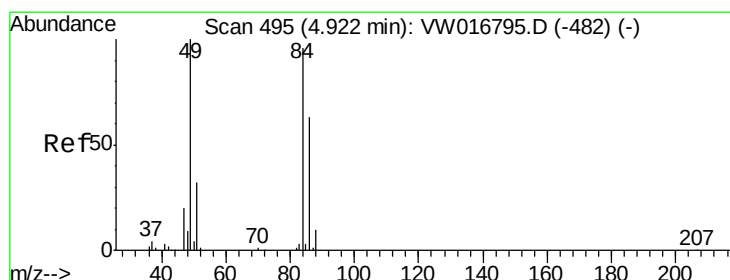
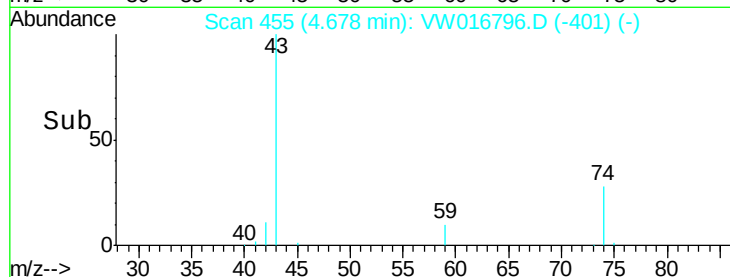
20000

10000

0

4.60 4.70 4.80

Time-->



#16

Methylene chloride

Concen: 40.341 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

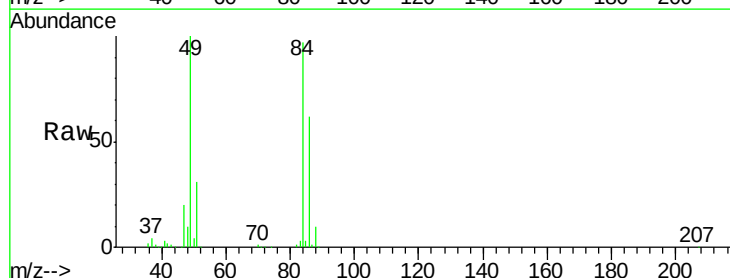
Tgt Ion: 84 Resp: 366445

Ion Ratio Lower Upper

84 100

49 103.6 73.1 135.8

86 64.4 46.0 85.4



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

150000

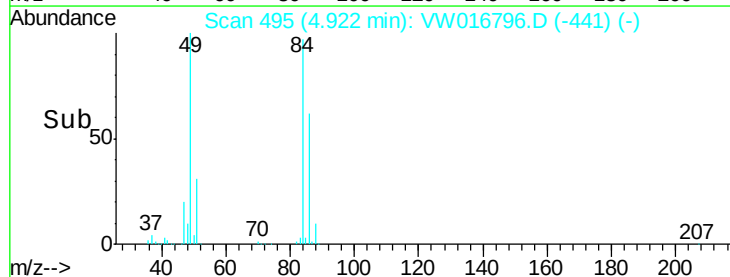
100000

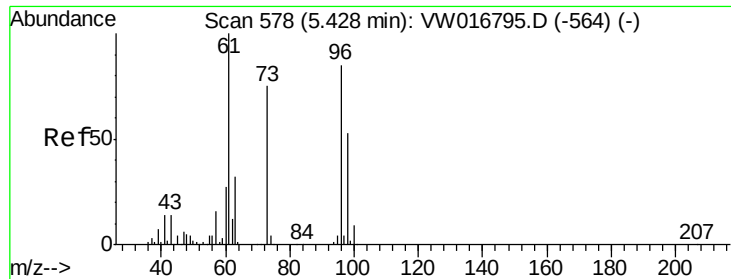
50000

0

4.80 4.90 5.00 5.10

Time-->

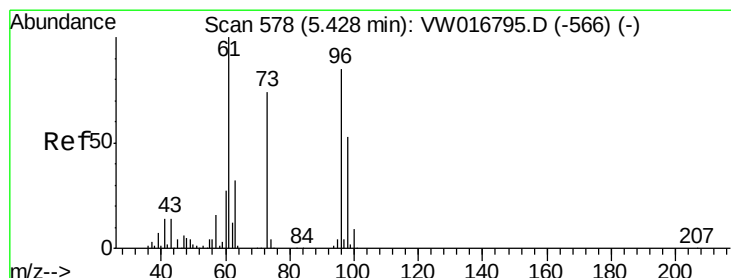
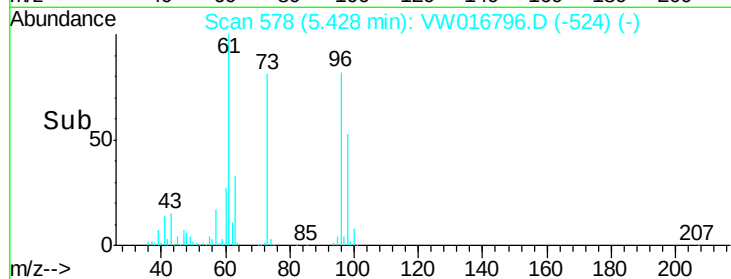
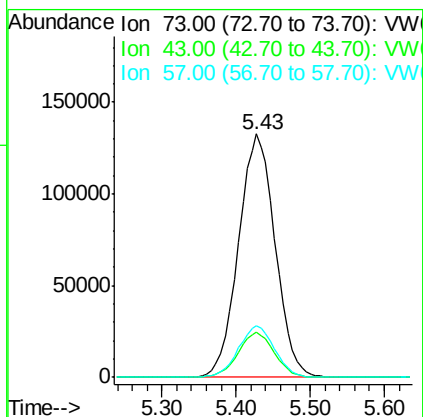
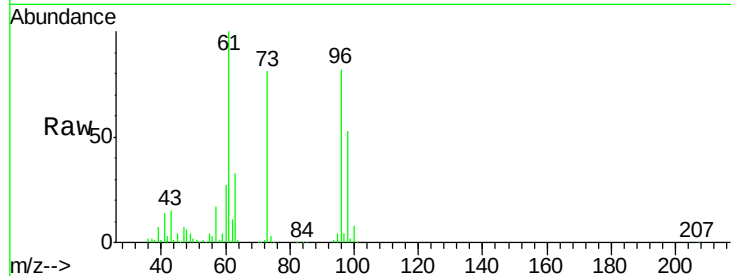




#17
Methyl tert-butyl Ether
Concen: 46.219 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016796.D
Acq: 06 Oct 2020 15:12

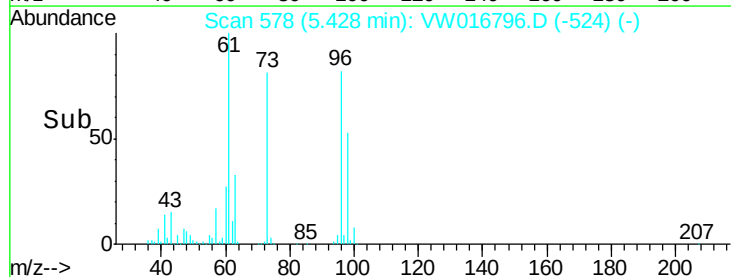
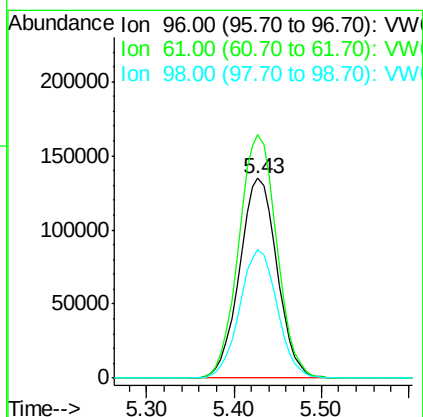
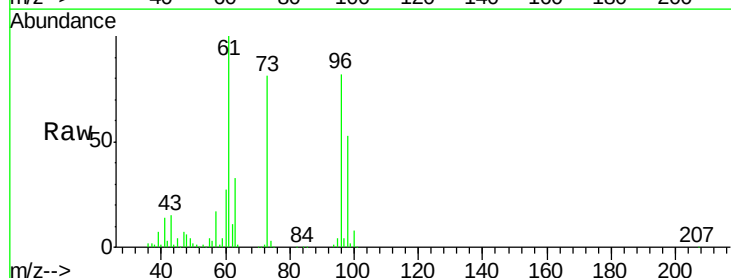
Instrument :
MSVOA_W
ClientSampleId :
VSTD05005

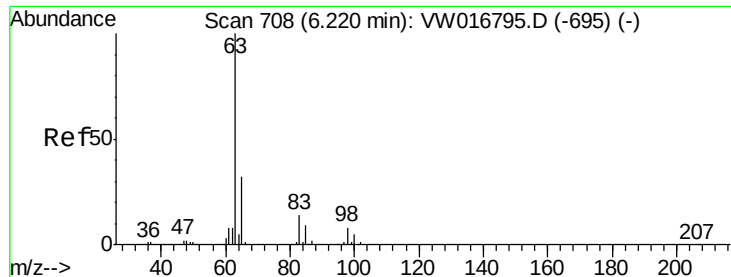
Tgt Ion: 73 Resp: 457252
Ion Ratio Lower Upper
73 100
43 18.5 15.0 22.4
57 20.8 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 51.539 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016796.D
Acq: 06 Oct 2020 15:12

Tgt Ion: 96 Resp: 404311
Ion Ratio Lower Upper
96 100
61 121.9 82.5 153.3
98 64.5 43.3 80.5

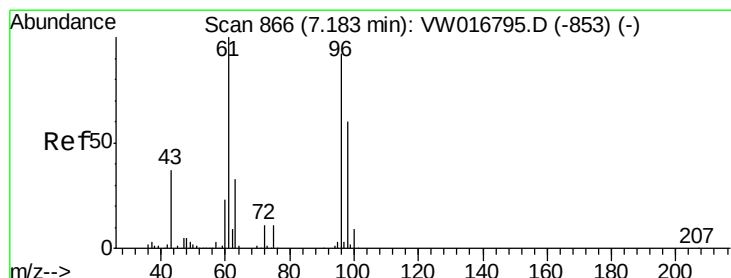
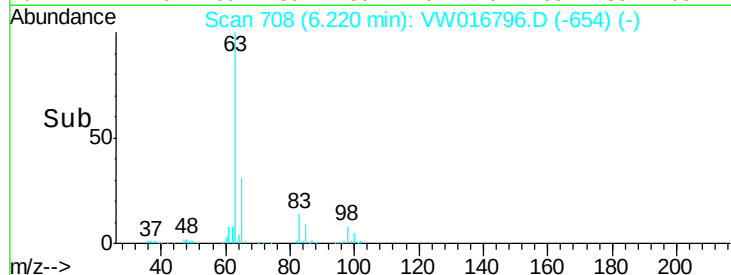
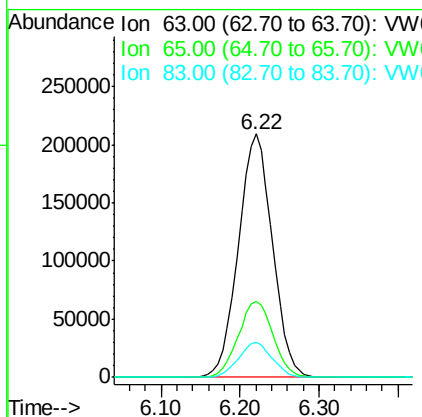
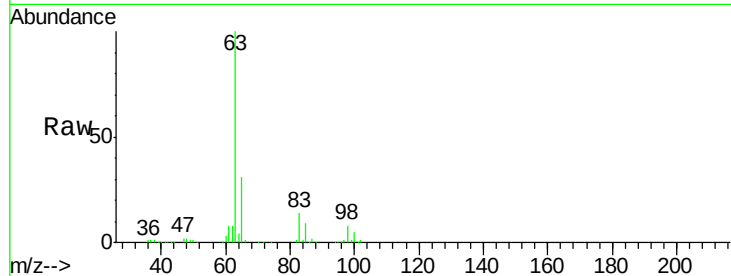




#19
 1,1-Dichloroethane
 Concen: 50.827 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW016796.D
 Acq: 06 Oct 2020 15:12

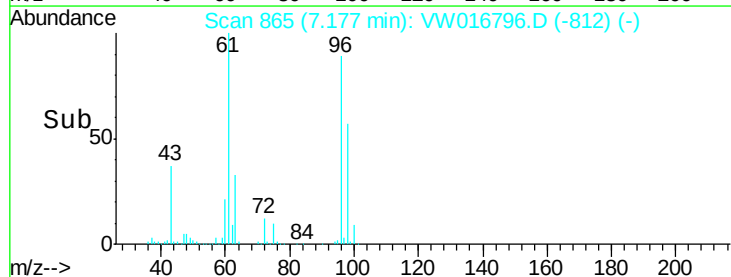
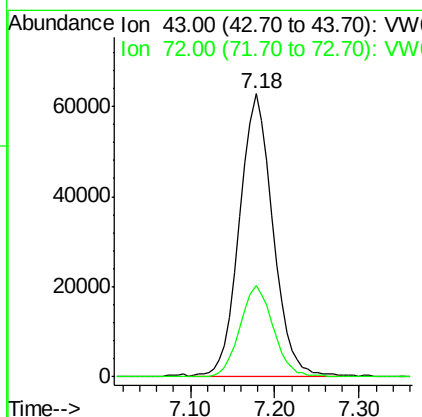
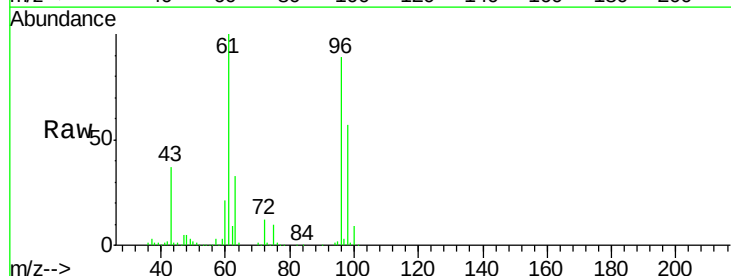
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05005

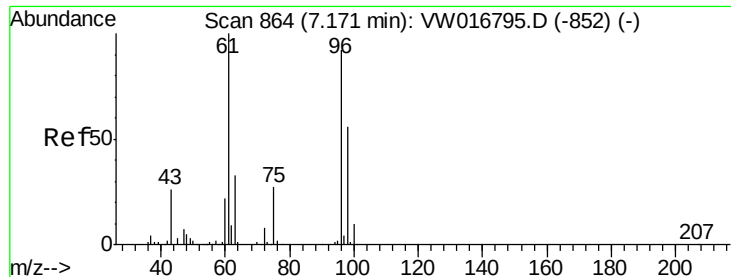
Tgt Ion: 63 Resp: 626359
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.7 42.1
 83 14.3 9.9 18.5



#21
 2-Butanone
 Concen: 84.912 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VW016796.D
 Acq: 06 Oct 2020 15:12

Tgt Ion: 43 Resp: 169291
 Ion Ratio Lower Upper
 43 100
 72 32.2 16.2 48.5



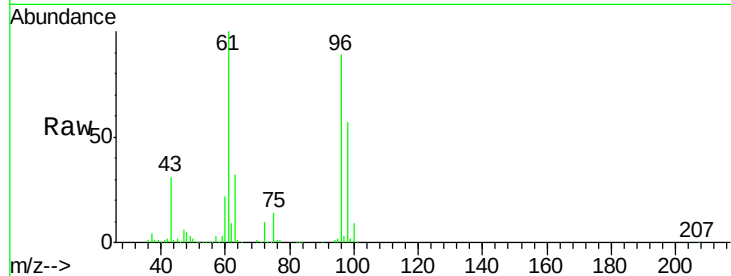


#22

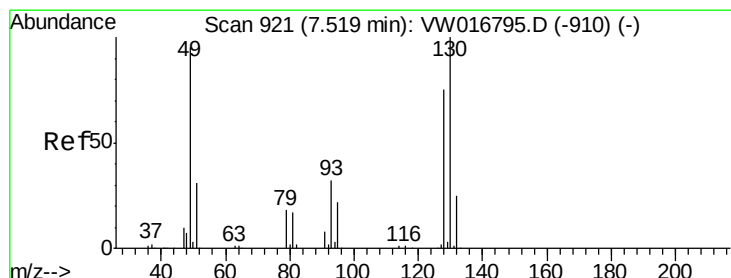
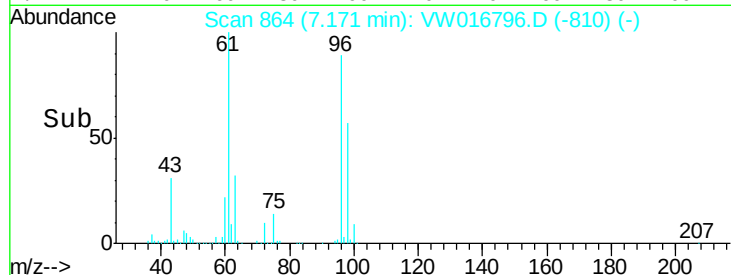
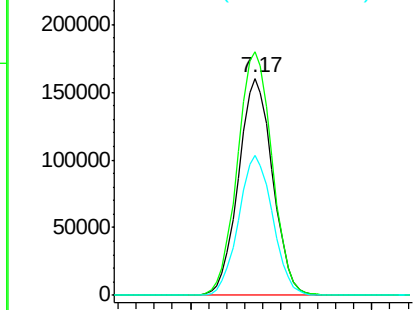
cis-1,2-Dichloroethene
Concen: 51.878 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW016796.D
Acq: 06 Oct 2020 15:12

Instrument :
MSVOA_W
ClientSampleId :
VSTD05005

Tgt Ion: 96 Resp: 418883
Ion Ratio Lower Upper
96 100
61 112.0 76.0 141.2
98 64.3 42.7 79.3



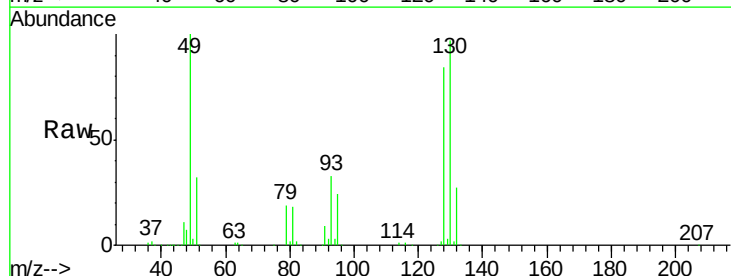
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



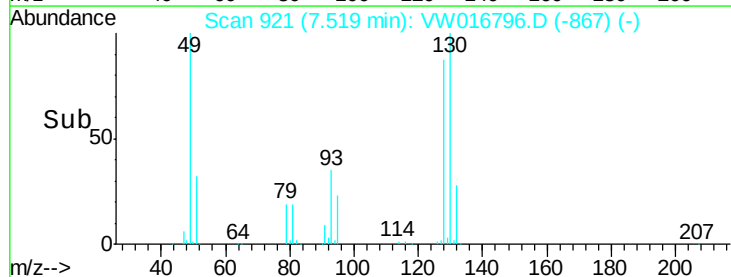
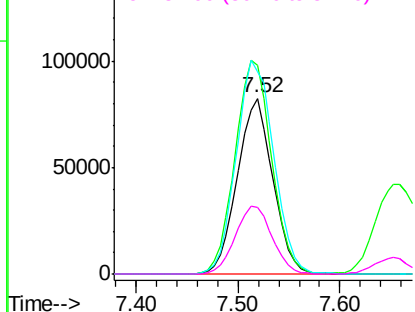
#23

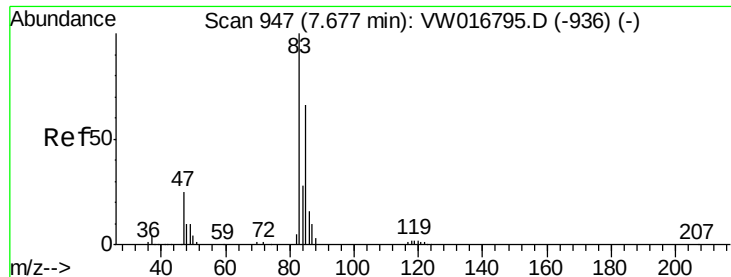
Bromochloromethane
Concen: 51.051 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW016796.D
Acq: 06 Oct 2020 15:12

Tgt Ion: 128 Resp: 199239
Ion Ratio Lower Upper
128 100
49 118.7 88.5 164.3
130 114.9 92.9 172.5
51 38.0 32.6 48.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 50.727 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

Instrument :

MSVOA_W

ClientSampled :

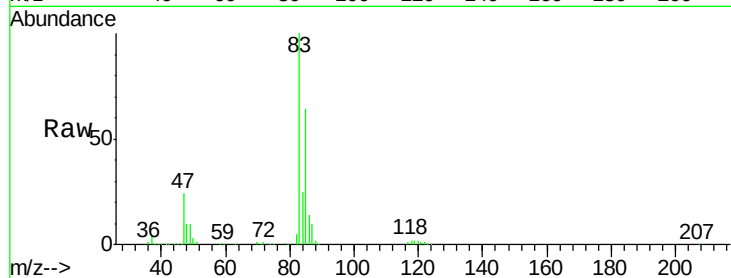
VSTD05005

Tgt Ion: 83 Resp: 679532

Ion Ratio Lower Upper

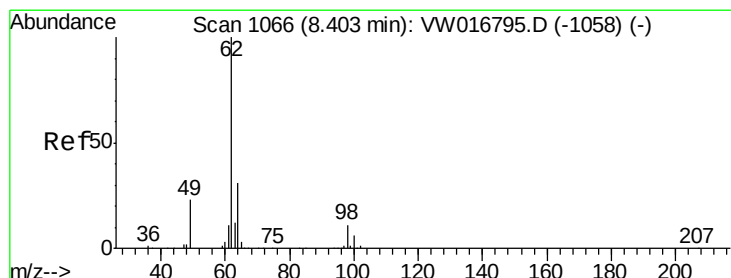
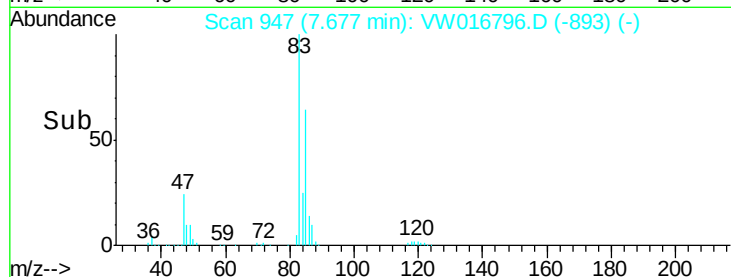
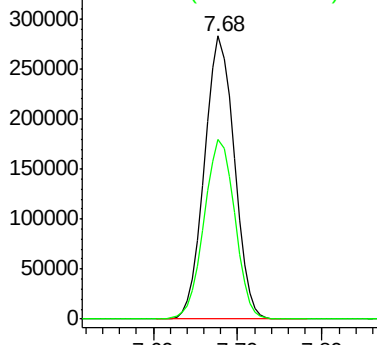
83 100

85 65.2 46.9 87.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 48.709 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016796.D

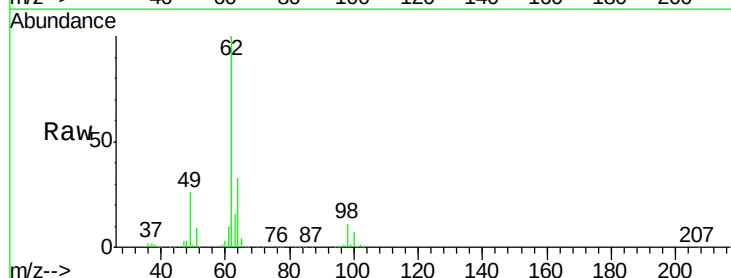
Acq: 06 Oct 2020 15:12

Tgt Ion: 62 Resp: 412360

Ion Ratio Lower Upper

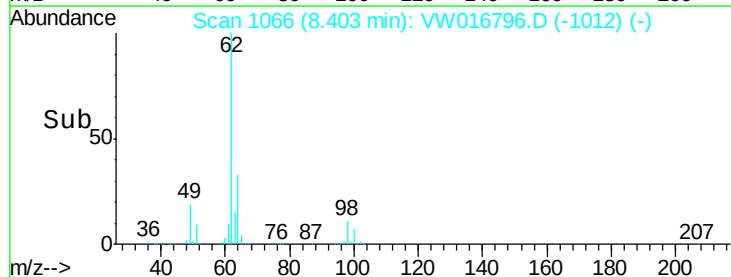
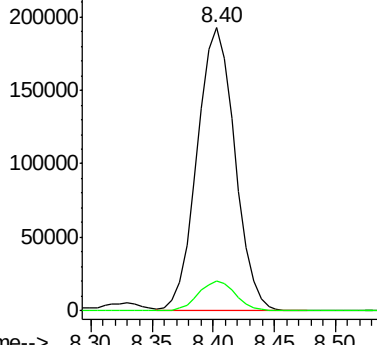
62 100

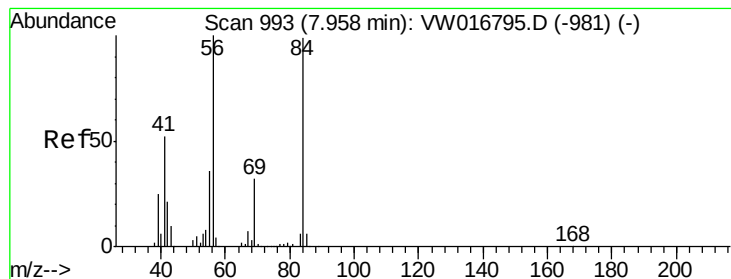
98 10.6 8.6 12.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 47.767 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

Instrument :

MSVOA_W

ClientSampled :

VSTD05005

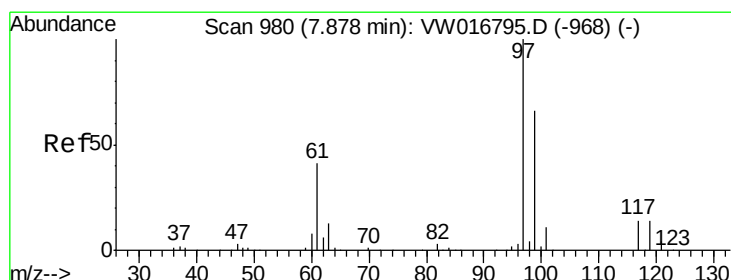
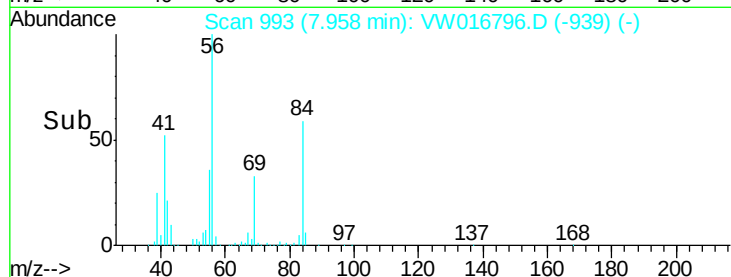
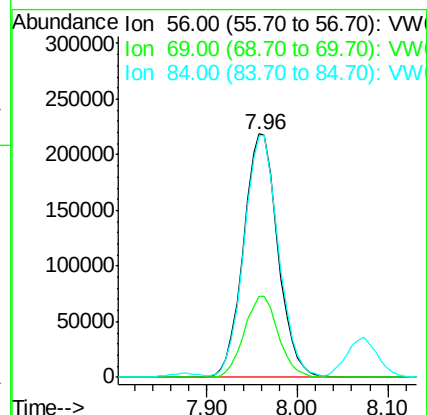
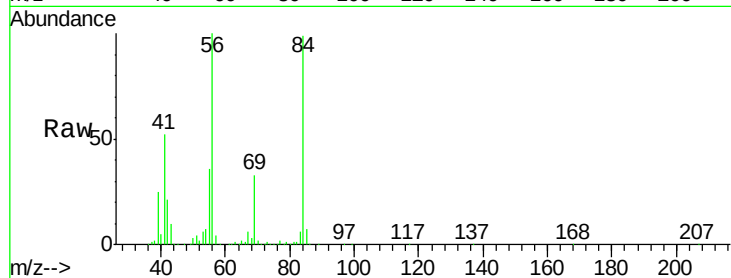
Tgt Ion: 56 Resp: 573741

Ion Ratio Lower Upper

56 100

69 33.2 26.1 39.1

84 99.8 79.3 118.9



#31

1,1,1-Trichloroethane

Concen: 45.643 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

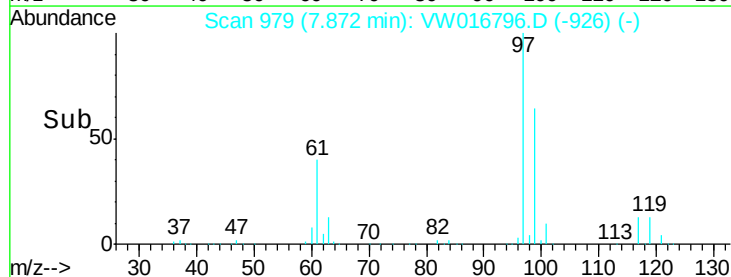
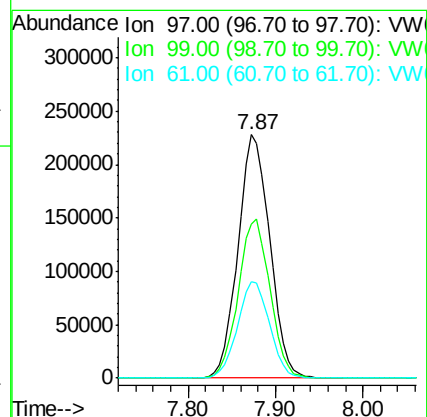
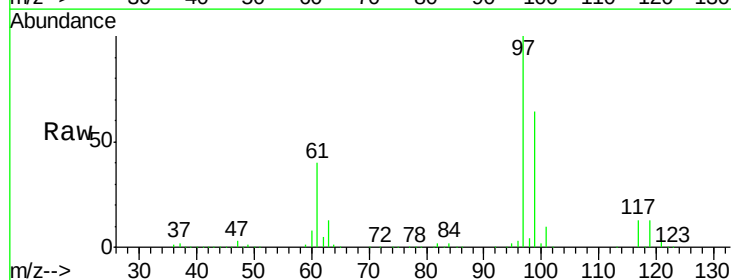
Tgt Ion: 97 Resp: 576847

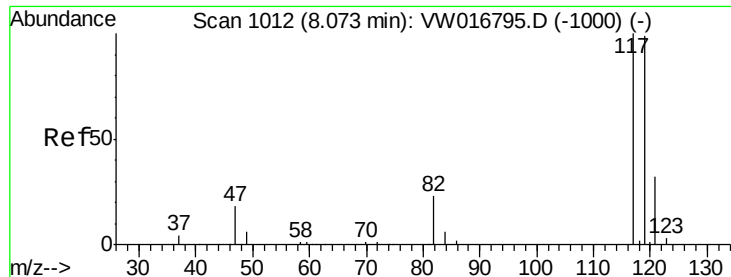
Ion Ratio Lower Upper

97 100

99 65.2 51.5 77.3

61 39.8 32.5 48.7





#32

Carbon tetrachloride

Concen: 46.990 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

Instrument :

MSVOA_W

ClientSampled :

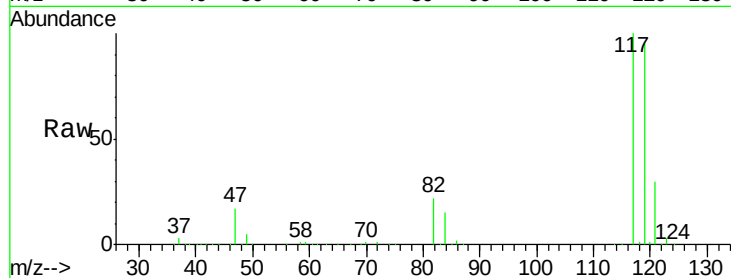
VSTD05005

Tgt Ion:117 Resp: 581589

Ion Ratio Lower Upper

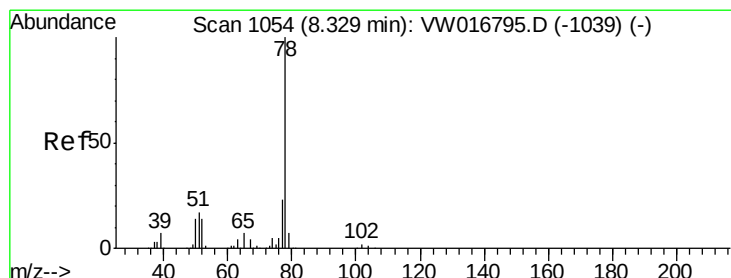
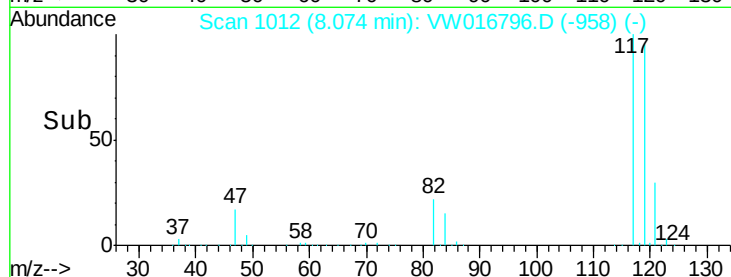
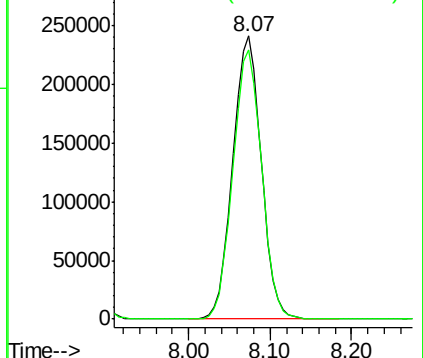
117 100

119 96.0 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 49.215 ug/L

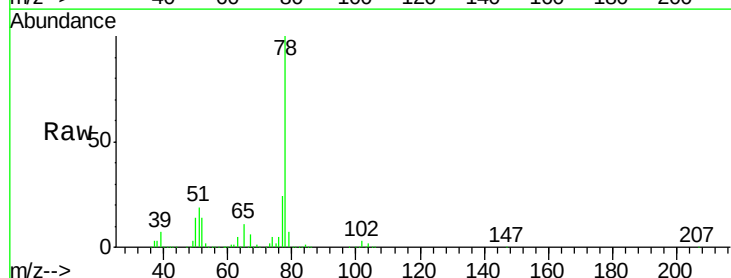
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

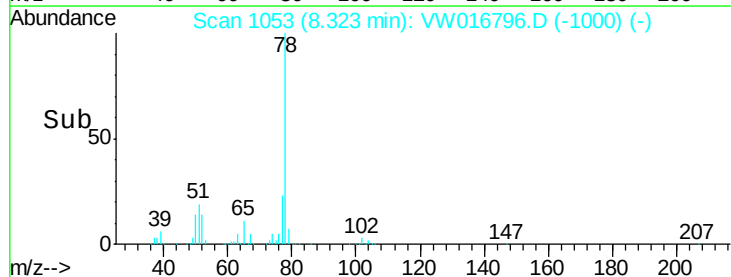
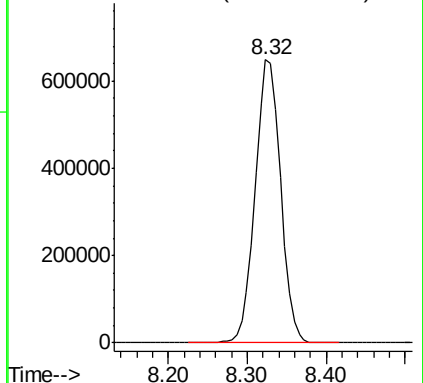
Lab File: VW016796.D

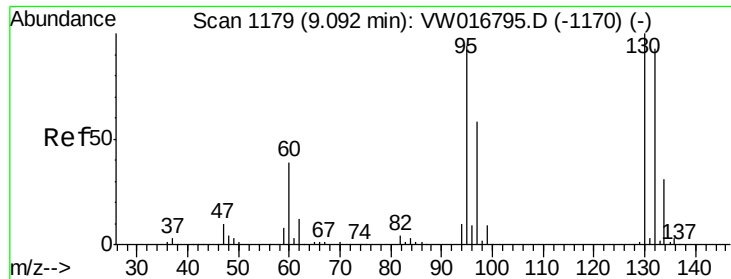
Acq: 06 Oct 2020 15:12

Tgt Ion: 78 Resp: 1459599



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 48.793 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

Tgt Ion: 95 Resp: 417054

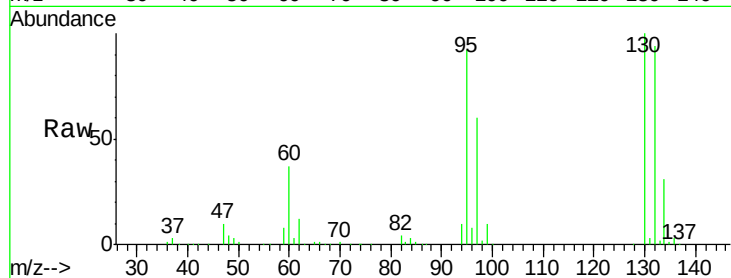
Ion Ratio Lower Upper

95 100

97 64.3 44.7 83.1

132 105.3 73.8 137.2

130 110.2 77.1 143.3

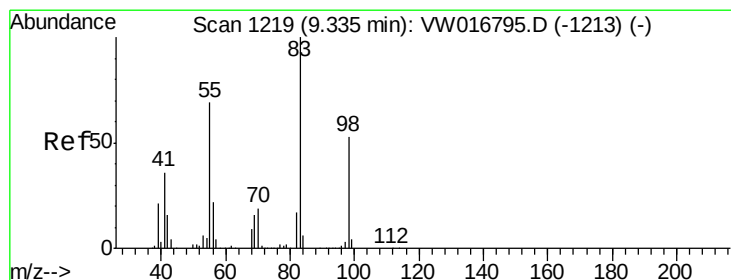
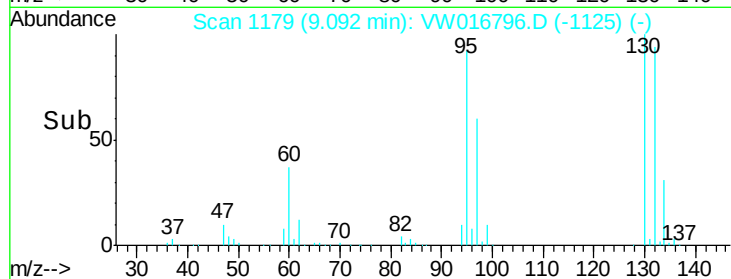
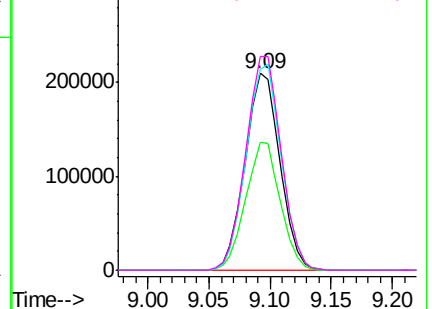


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 48.506 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

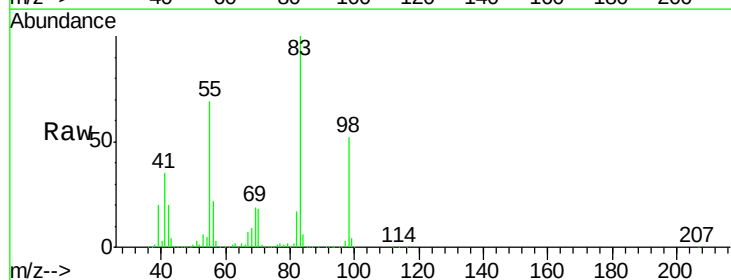
Tgt Ion: 83 Resp: 702383

Ion Ratio Lower Upper

83 100

55 67.7 54.2 81.4

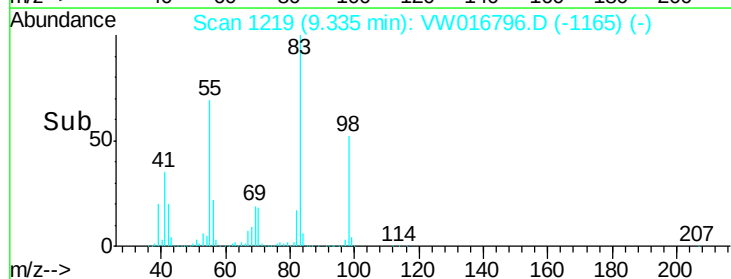
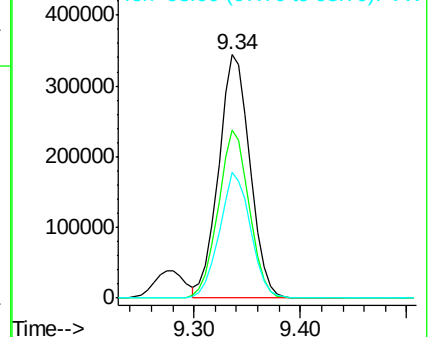
98 51.2 41.4 62.2

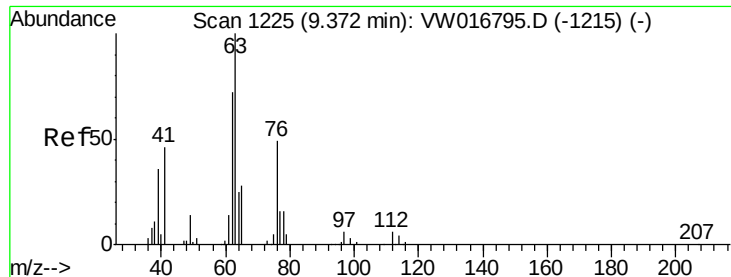


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 48.847 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

Instrument :

MSVOA_W

ClientSampleId :

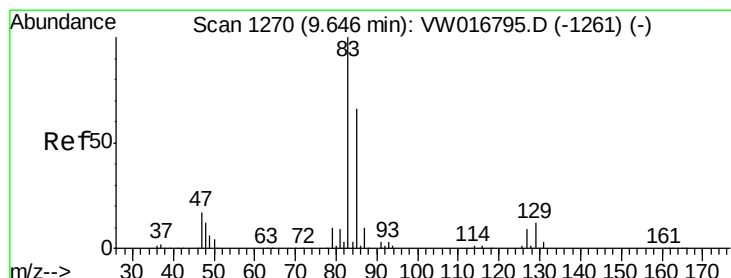
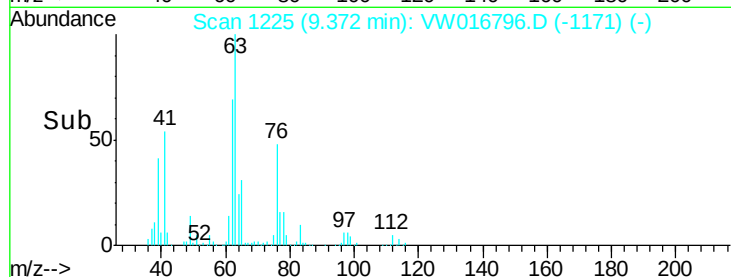
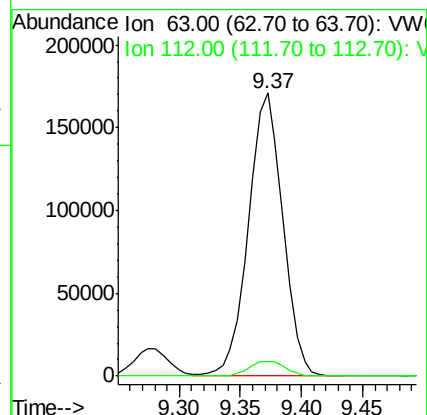
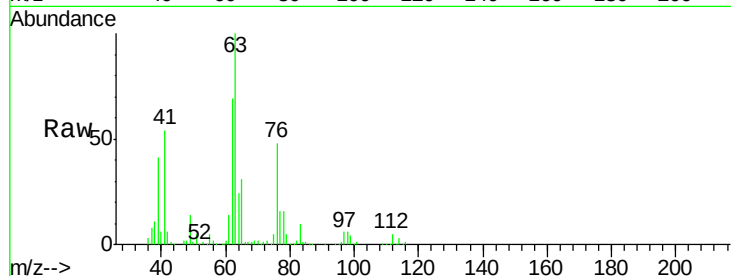
VSTD05005

Tgt Ion: 63 Resp: 334818

Ion Ratio Lower Upper

63 100

112 5.5 4.5 6.7



#41

Bromodichloromethane

Concen: 48.245 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

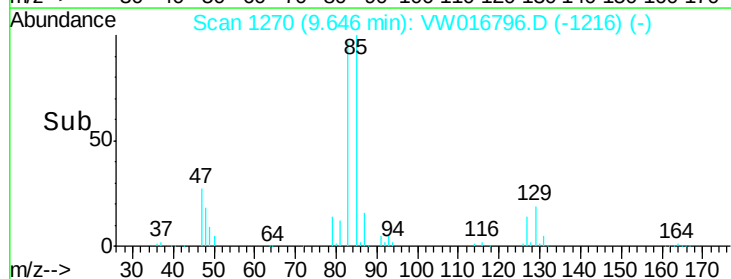
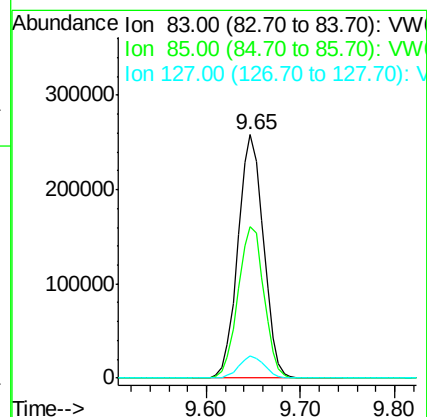
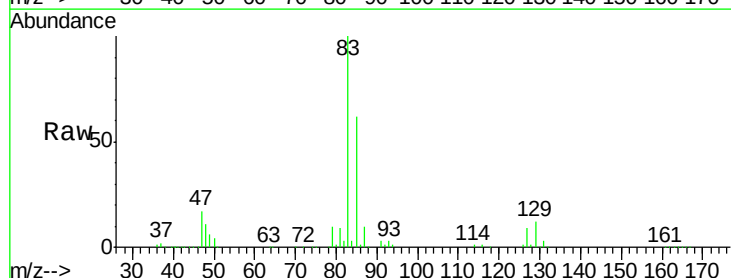
Tgt Ion: 83 Resp: 485242

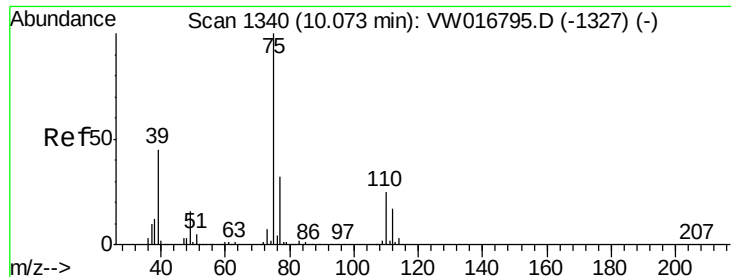
Ion Ratio Lower Upper

83 100

85 62.4 46.2 85.8

127 9.0 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 48.924 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

Instrument :

MSVOA_W

ClientSampled :

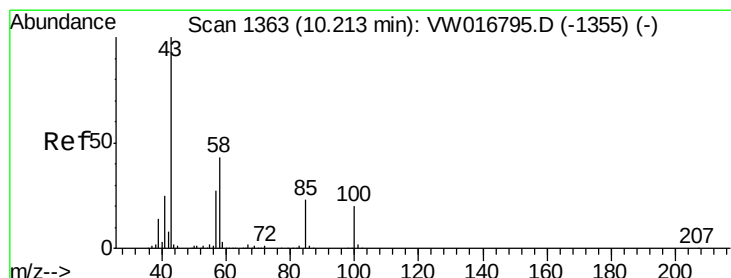
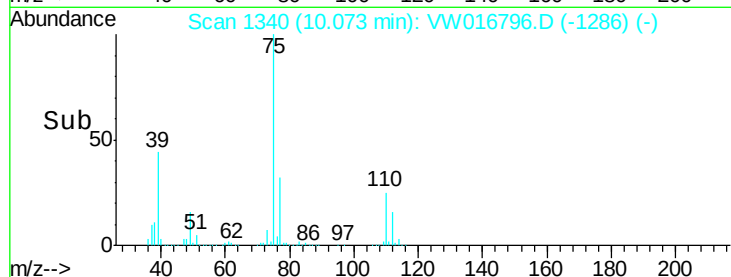
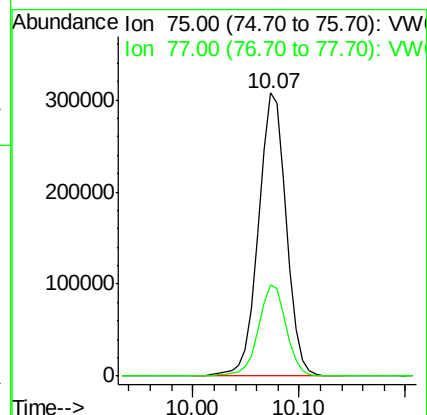
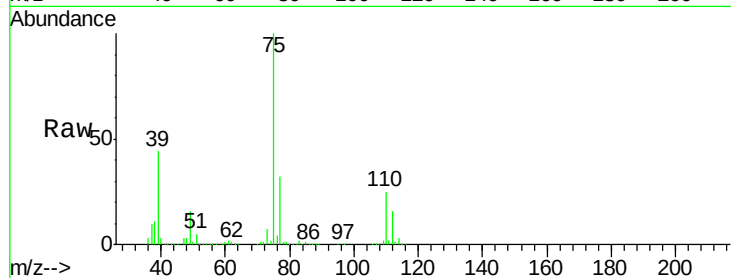
VSTD05005

Tgt Ion: 75 Resp: 566286

Ion Ratio Lower Upper

75 100

77 32.1 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 91.555 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

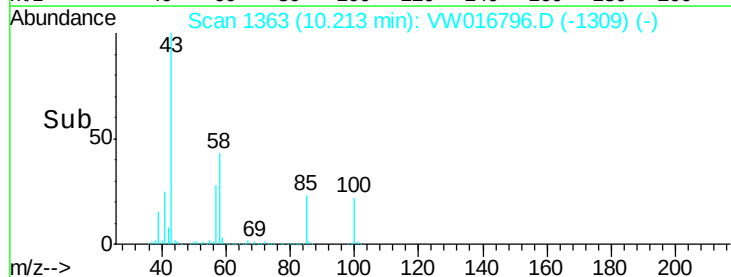
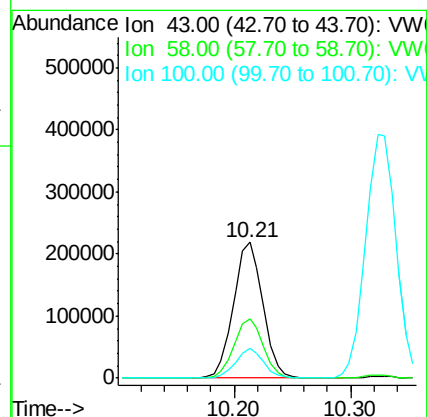
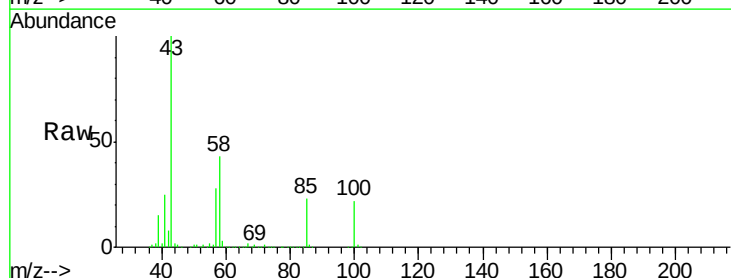
Tgt Ion: 43 Resp: 383577

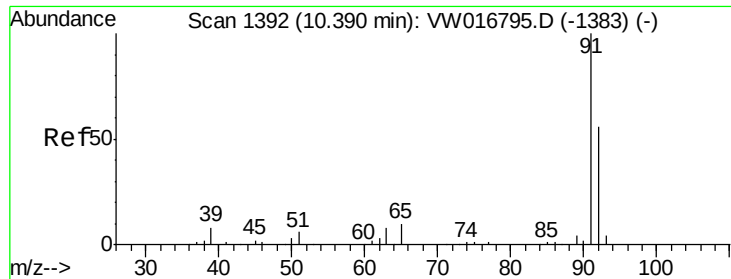
Ion Ratio Lower Upper

43 100

58 43.2 34.7 52.1

100 20.8 16.9 25.3





#44

Toluene

Concen: 49.300 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

Instrument :

MSVOA_W

ClientSampleId :

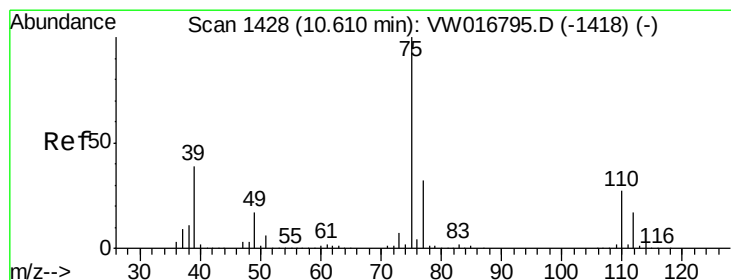
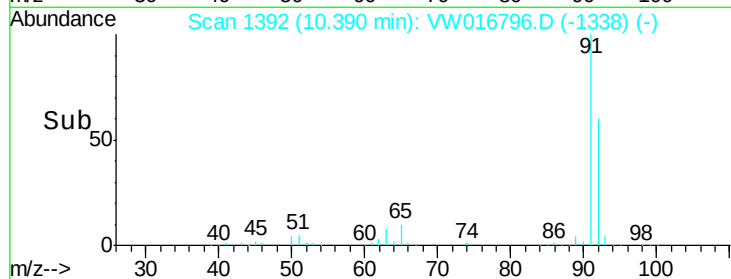
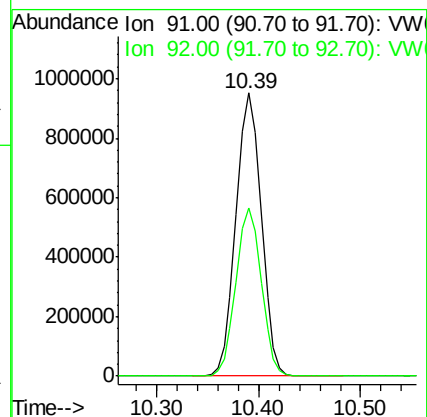
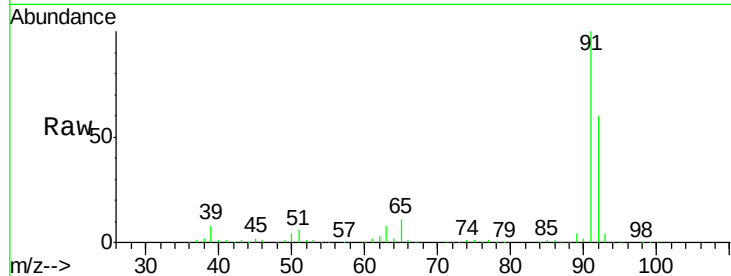
VSTD05005

Tgt Ion: 91 Resp: 1638639

Ion Ratio Lower Upper

91 100

92 59.6 39.4 73.2



#45

trans-1,3-Dichloropropene

Concen: 49.809 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016796.D

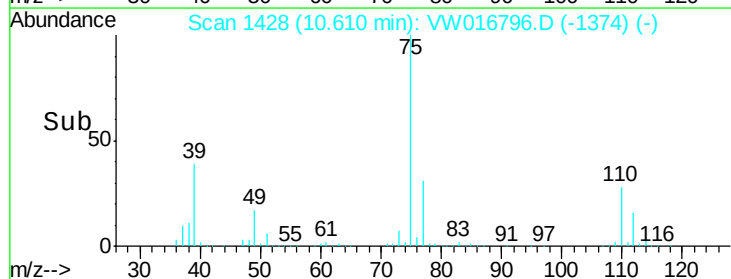
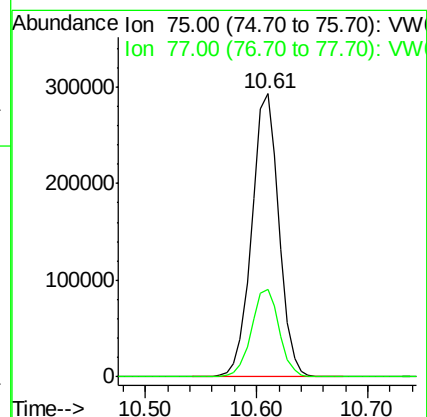
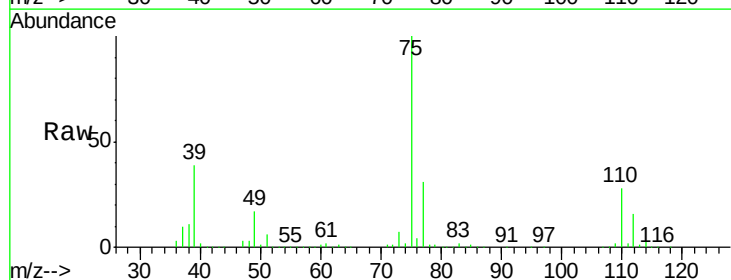
Acq: 06 Oct 2020 15:12

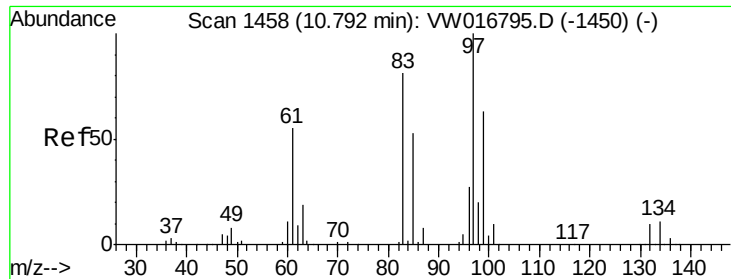
Tgt Ion: 75 Resp: 497281

Ion Ratio Lower Upper

75 100

77 31.0 22.2 41.2





#46

1,1,2-Trichloroethane

Concen: 49.849 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

Tgt Ion: 97 Resp: 284775

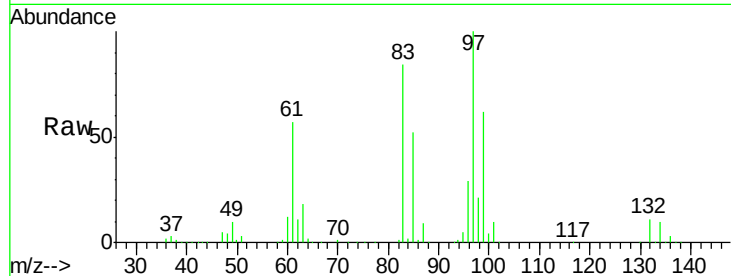
Ion Ratio Lower Upper

97 100

83 83.6 56.8 105.4

85 52.4 37.0 68.6

99 62.5 44.2 82.2



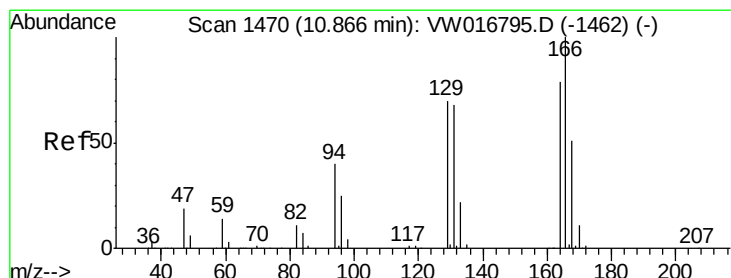
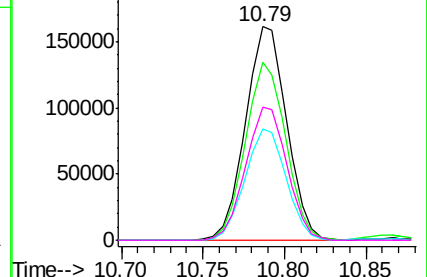
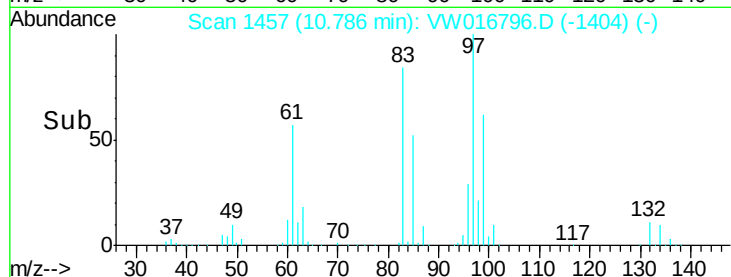
Abundance

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: 49.279 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

Tgt Ion: 164 Resp: 380043

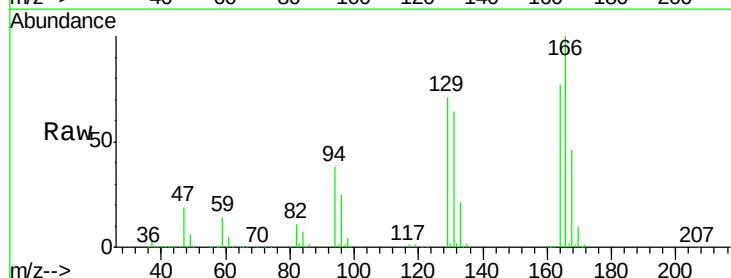
Ion Ratio Lower Upper

164 100

129 91.7 61.7 114.7

131 82.6 59.7 110.9

166 129.5 88.3 164.1



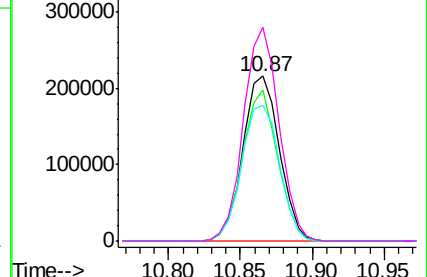
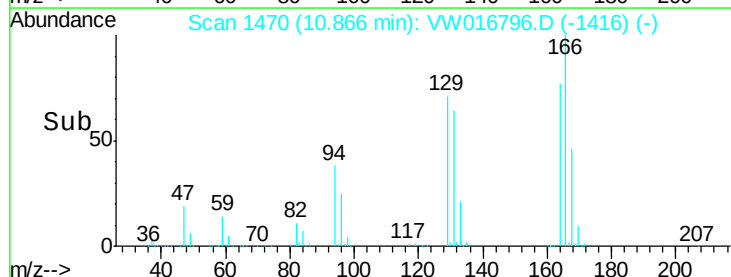
Abundance

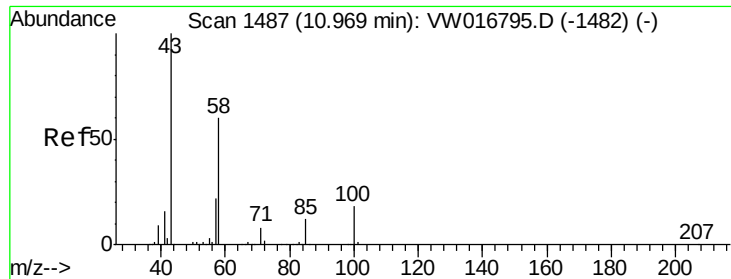
Ion 164.00 (163.70 to 164.70): V

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: 98.098 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

Instrument :

MSVOA_W

ClientSampled :

VSTD05005

Tgt Ion: 43 Resp: 260742

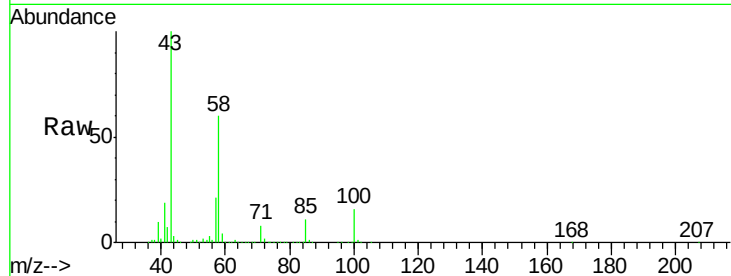
Ion Ratio Lower Upper

43 100

58 60.7 47.1 70.7

57 20.7 16.2 24.4

100 16.5 13.3 19.9

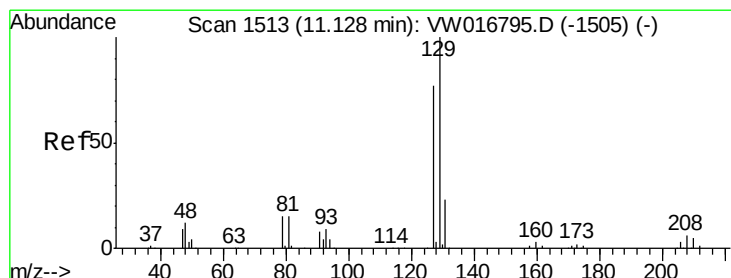
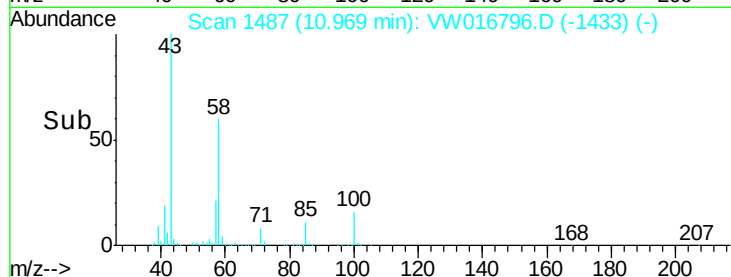
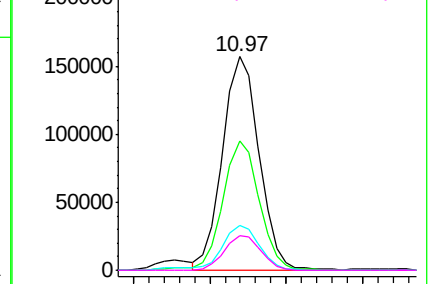


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 50.024 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW016796.D

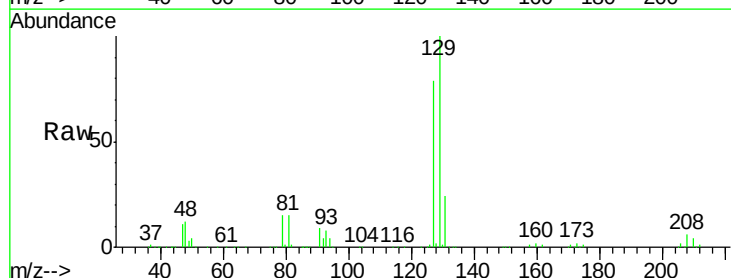
Acq: 06 Oct 2020 15:12

Tgt Ion: 129 Resp: 370454

Ion Ratio Lower Upper

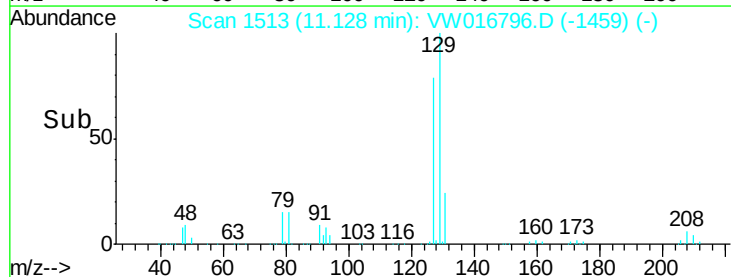
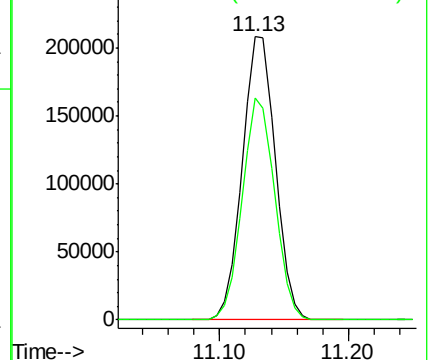
129 100

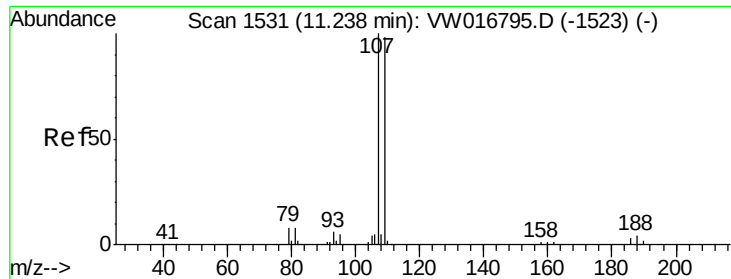
127 78.5 54.0 100.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

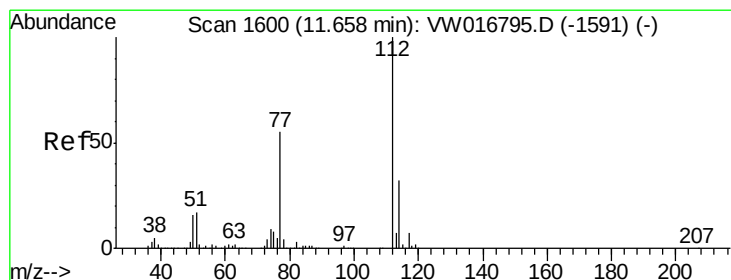
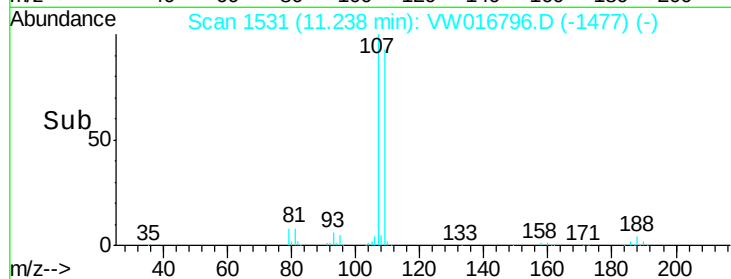
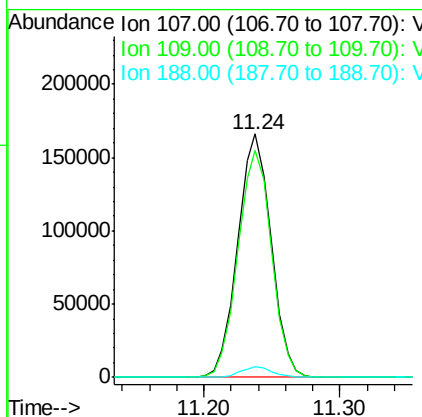
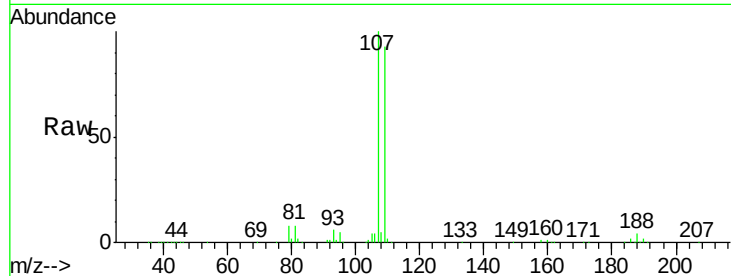




#51
 1,2-Dibromoethane
 Concen: 50.010 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016796.D
 Acq: 06 Oct 2020 15:12

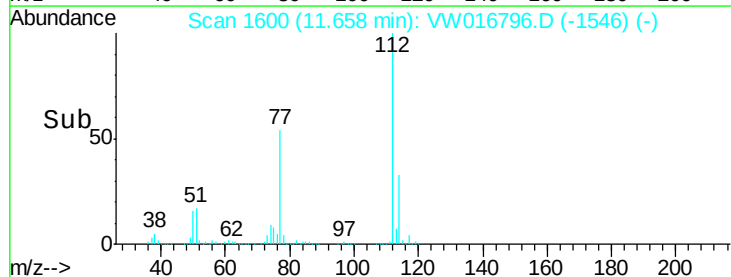
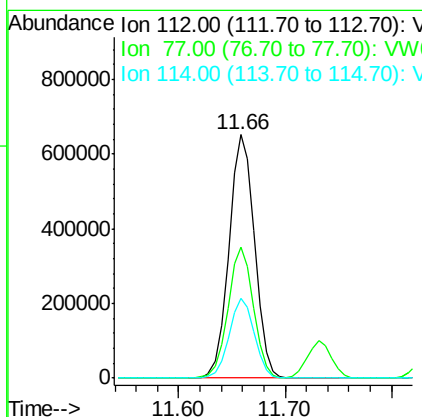
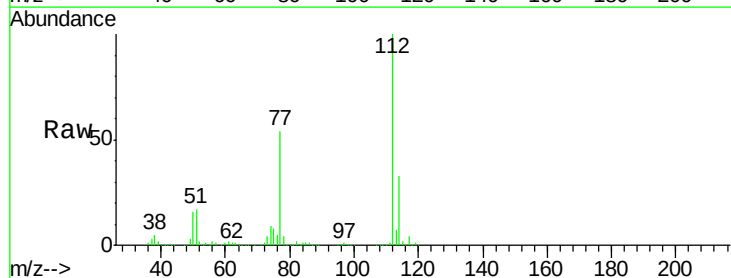
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

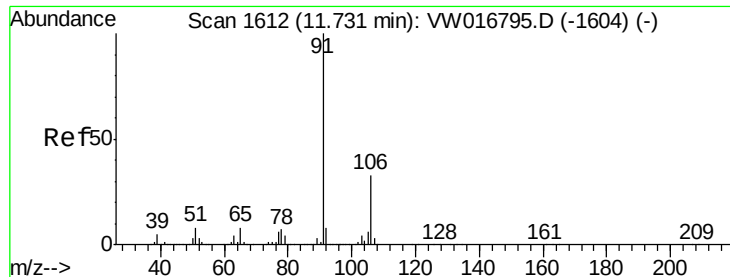
Tgt Ion:107 Resp: 285434
 Ion Ratio Lower Upper
 107 100
 109 93.1 68.4 127.0
 188 4.2 3.4 5.0



#52
 Chlorobenzene
 Concen: 49.081 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016796.D
 Acq: 06 Oct 2020 15:12

Tgt Ion:112 Resp: 1094712
 Ion Ratio Lower Upper
 112 100
 77 53.8 44.0 66.0
 114 32.6 22.3 41.3





#53

Ethylbenzene

Concen: 49.490 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

Instrument :

MSVOA_W

ClientSampled :

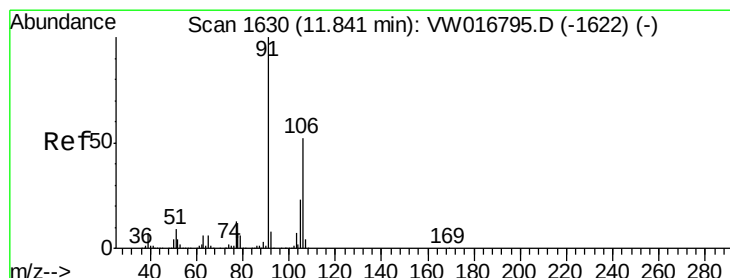
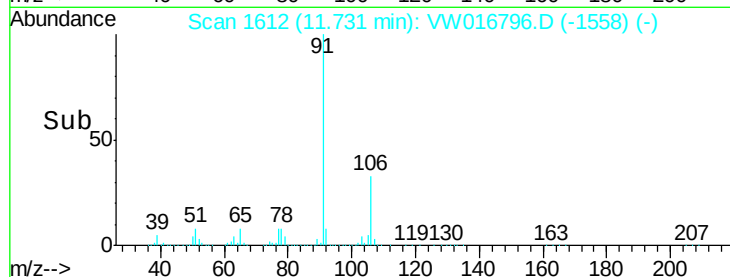
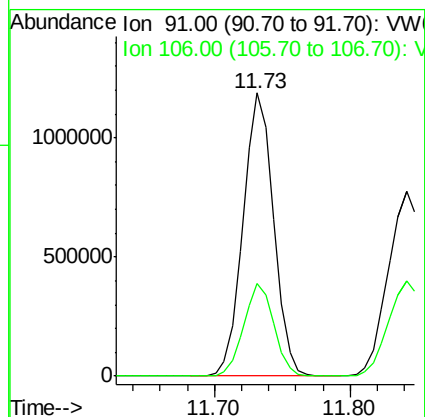
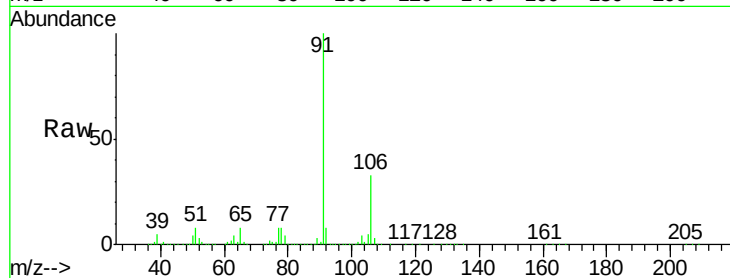
VSTD05005

Tgt Ion: 91 Resp: 1862643

Ion Ratio Lower Upper

91 100

106 32.6 22.8 42.4



#54

m,p-Xylene

Concen: 49.432 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016796.D

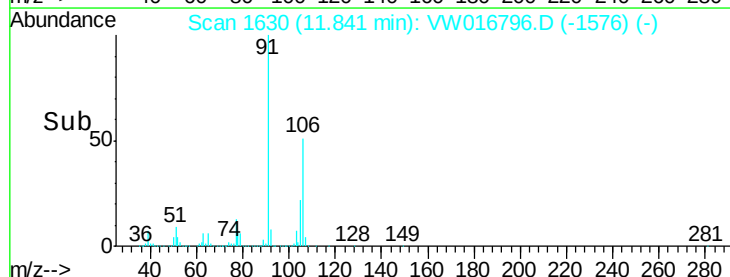
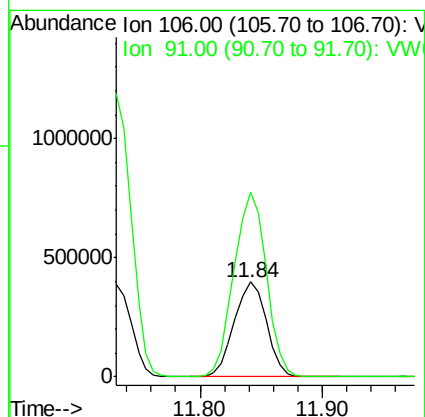
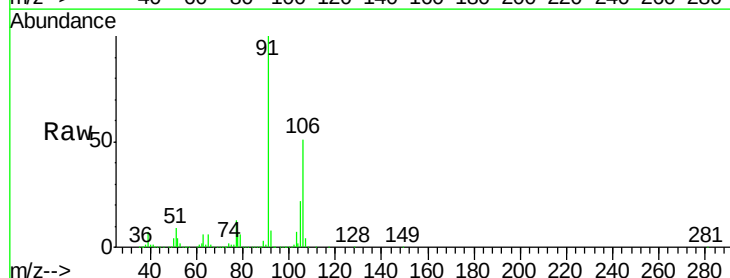
Acq: 06 Oct 2020 15:12

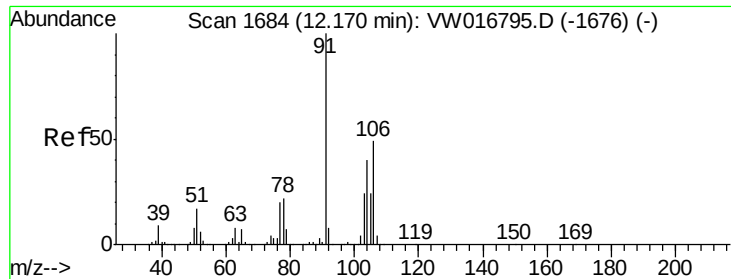
Tgt Ion: 106 Resp: 730390

Ion Ratio Lower Upper

106 100

91 195.4 135.6 251.8





#55

o-xylene

Concen: 49.400 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

Instrument :

MSVOA_W

ClientSampled :

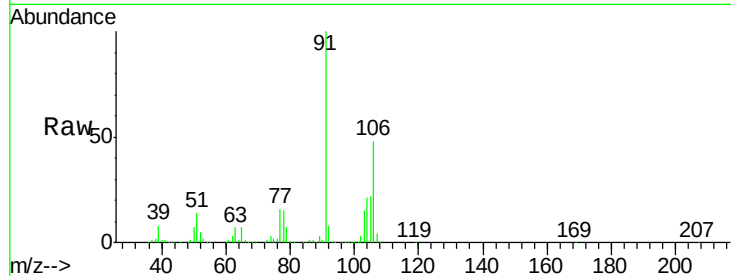
VSTD05005

Tgt Ion:106 Resp: 698204

Ion Ratio Lower Upper

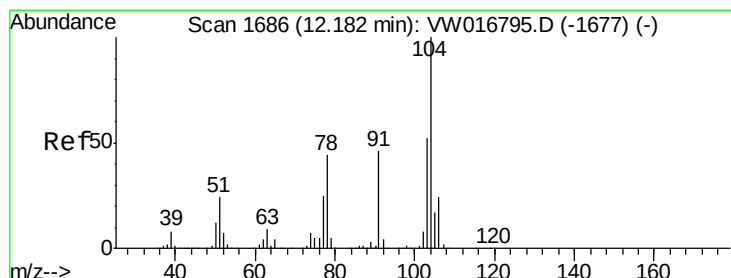
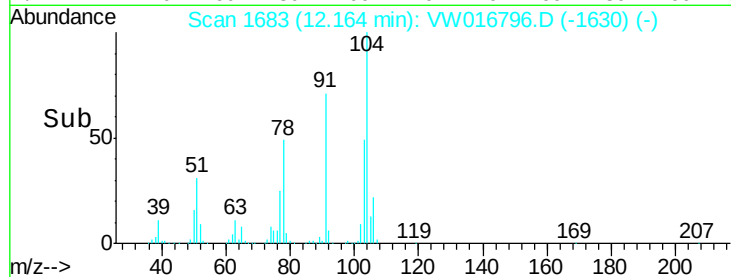
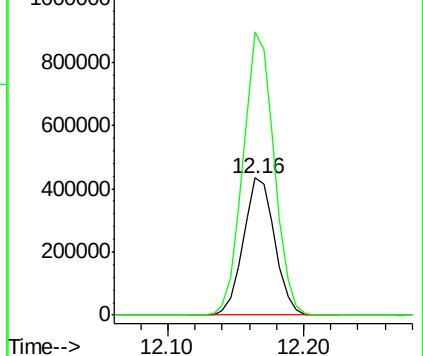
106 100

91 206.6 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 50.653 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016796.D

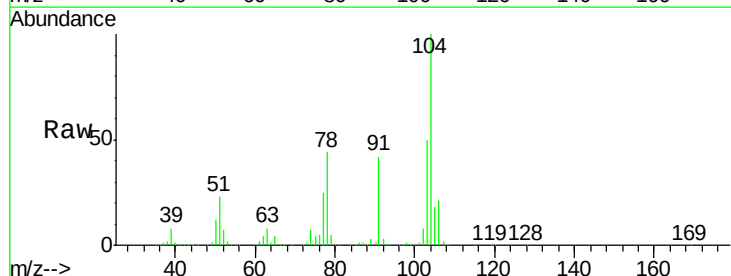
Acq: 06 Oct 2020 15:12

Tgt Ion:104 Resp: 1184422

Ion Ratio Lower Upper

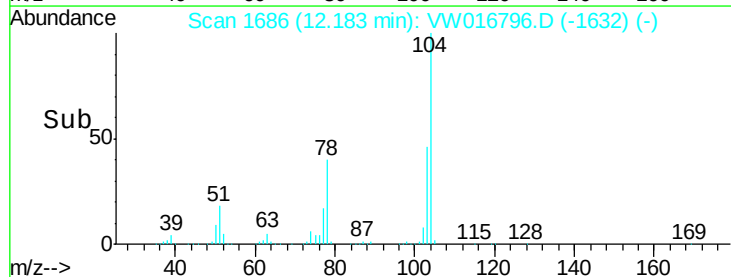
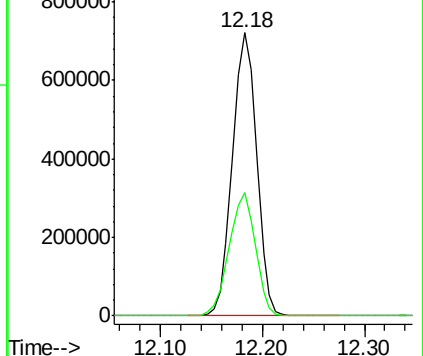
104 100

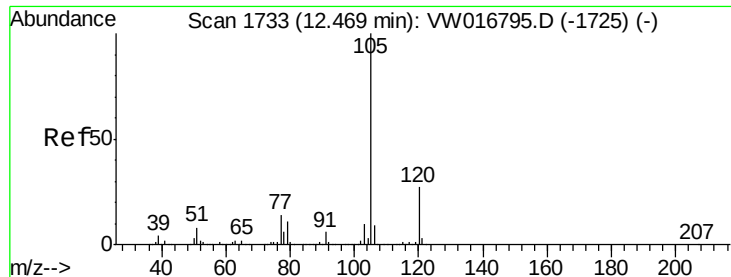
78 43.6 30.7 57.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 49.227 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

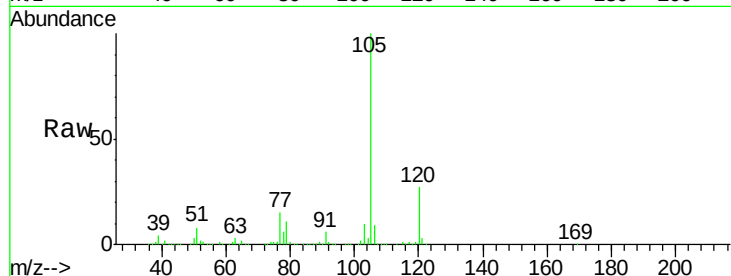
Tgt Ion: 105 Resp: 1903094

Ion Ratio Lower Upper

105 100

120 27.2 21.5 32.3

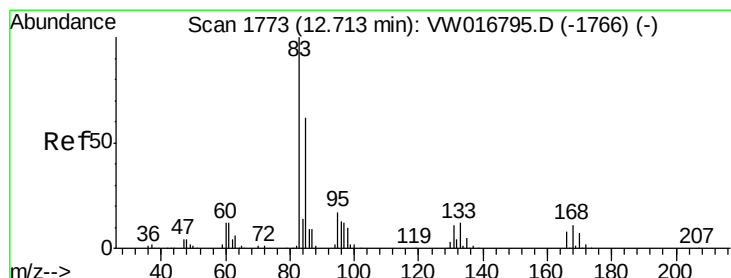
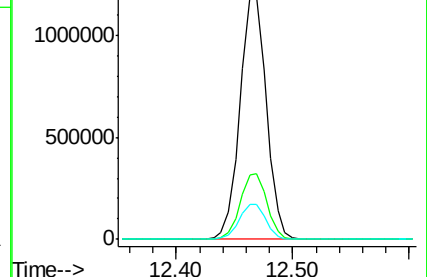
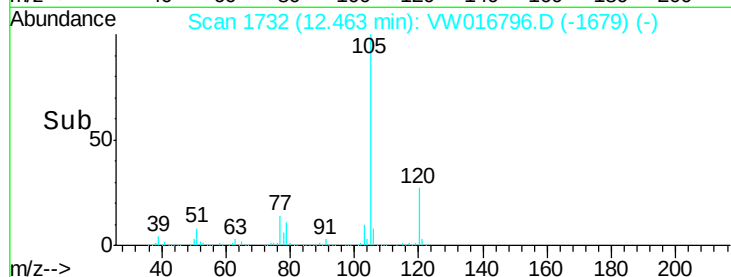
77 14.5 11.4 17.2



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: 50.984 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

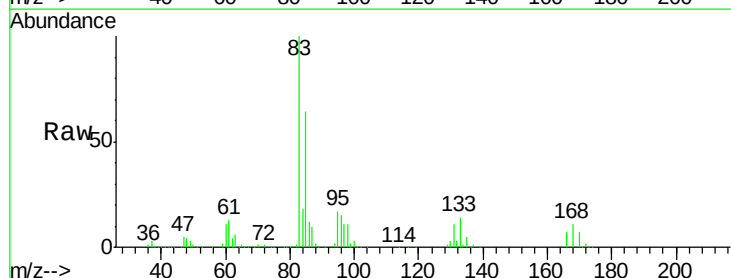
Tgt Ion: 83 Resp: 324884

Ion Ratio Lower Upper

83 100

85 63.9 43.3 80.5

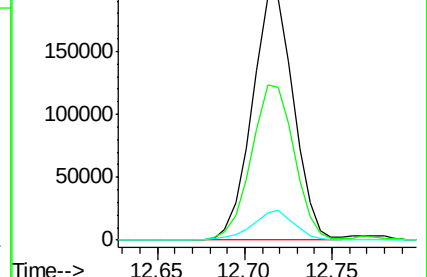
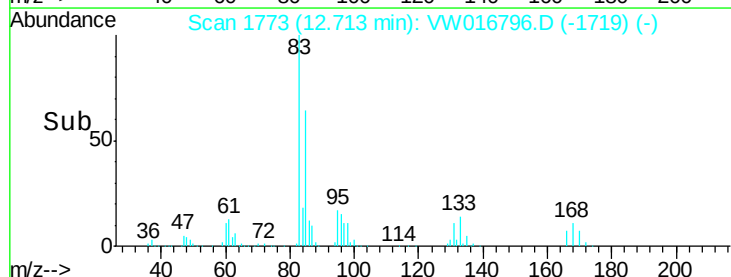
131 11.0 9.0 13.4

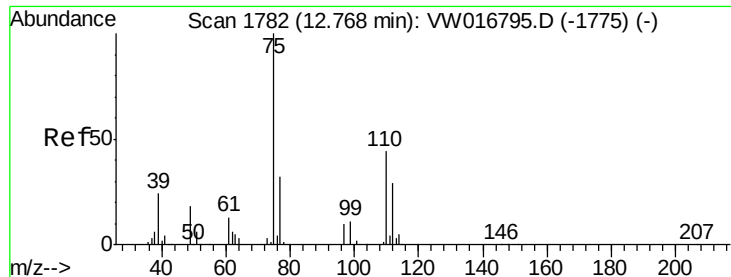


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

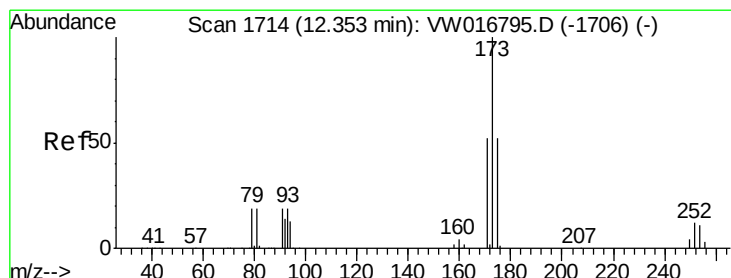
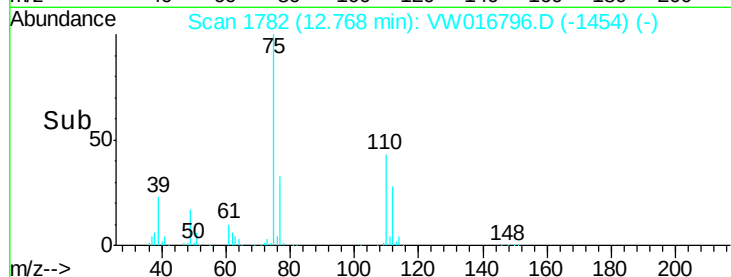
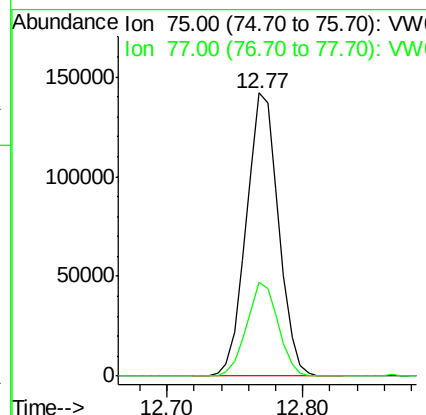
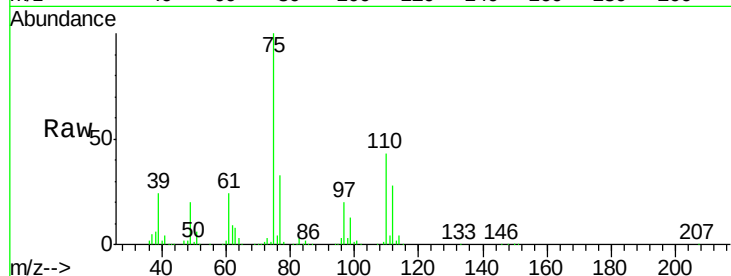




#59
 1,2,3-Trichloropropane
 Concen: 49.977 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW016796.D
 Acq: 06 Oct 2020 15:12

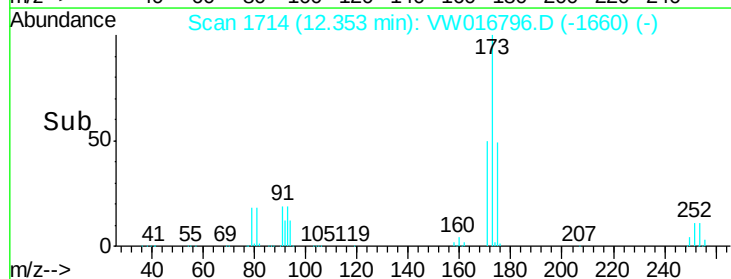
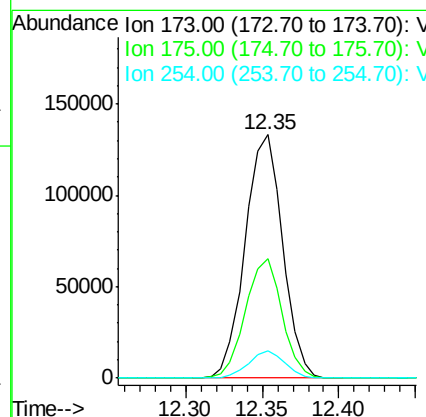
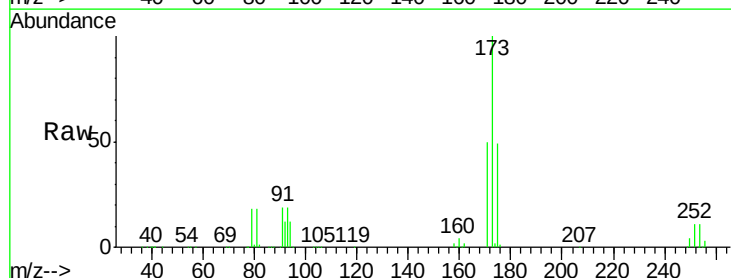
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

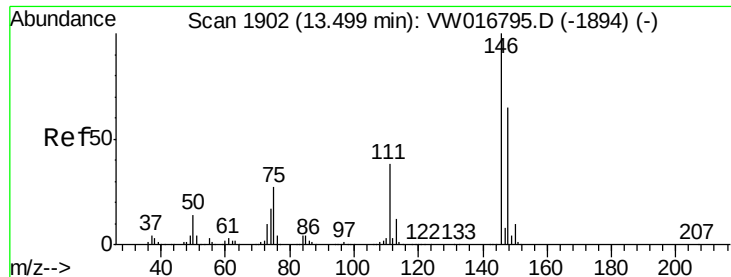
Tgt Ion: 75 Resp: 235294
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.2 39.2



#62
 Bromoform
 Concen: 49.809 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW016796.D
 Acq: 06 Oct 2020 15:12

Tgt Ion: 173 Resp: 227314
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.9 59.9
 254 10.7 8.7 13.1

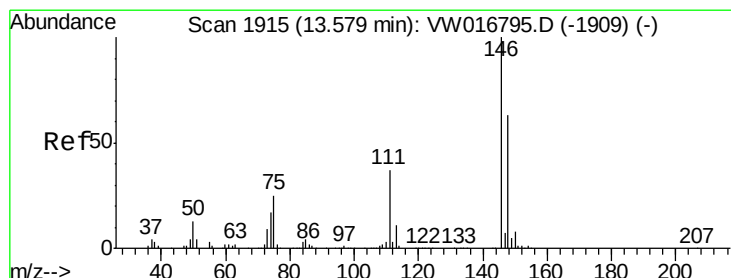
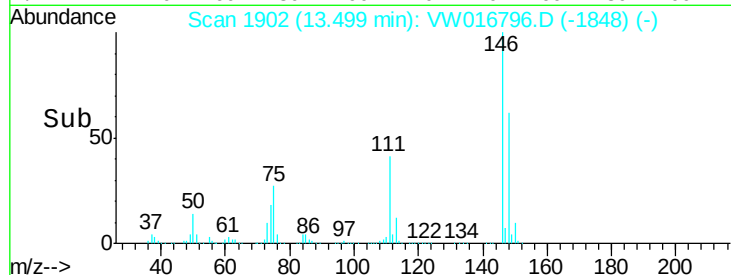
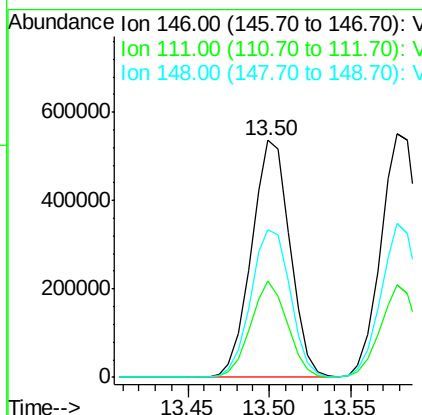
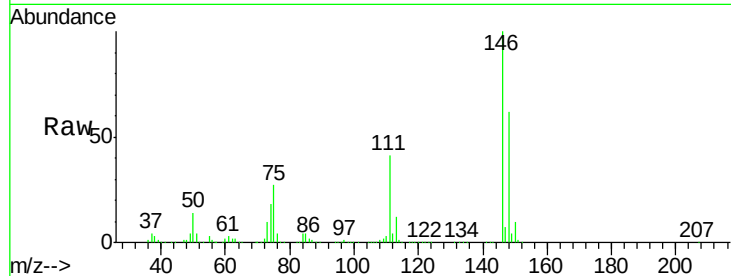




#63
 1,3-Dichlorobenzene
 Concen: 48.203 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016796.D
 Acq: 06 Oct 2020 15:12

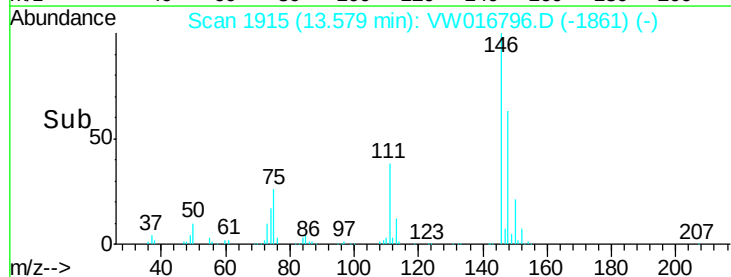
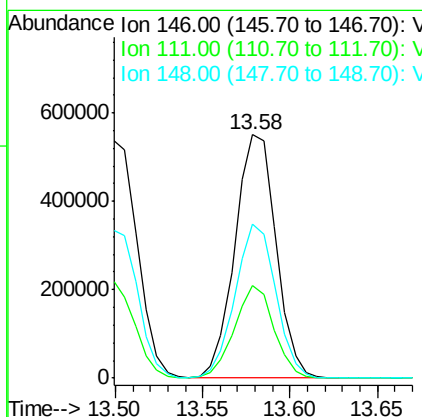
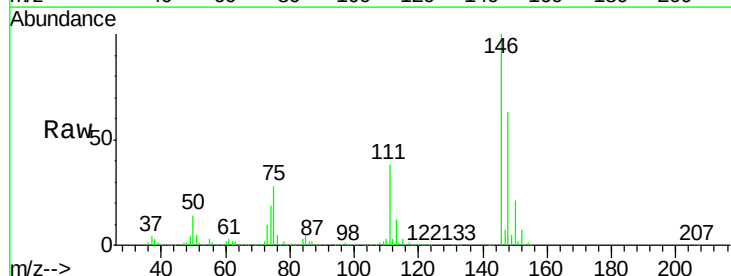
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

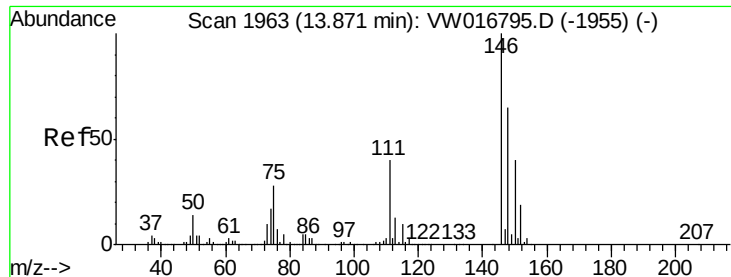
Tgt Ion:146 Resp: 879726
 Ion Ratio Lower Upper
 146 100
 111 40.9 26.9 49.9
 148 62.2 45.7 84.9



#64
 1,4-Dichlorobenzene
 Concen: 50.502 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016796.D
 Acq: 06 Oct 2020 15:12

Tgt Ion:146 Resp: 899803
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.0 48.4
 148 63.0 43.9 81.5

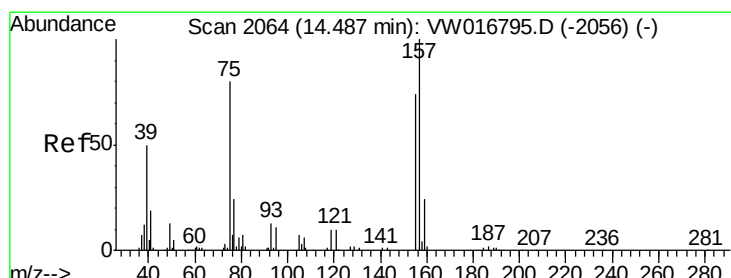
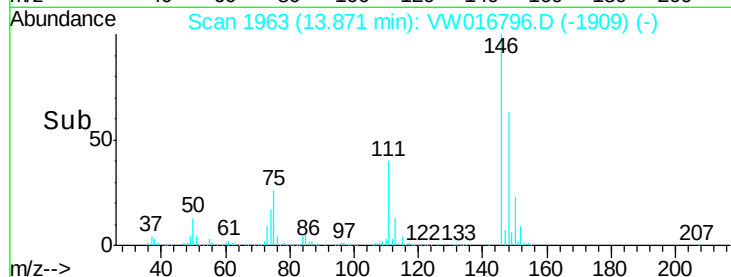
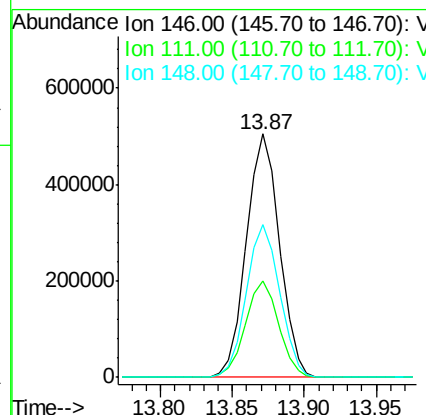
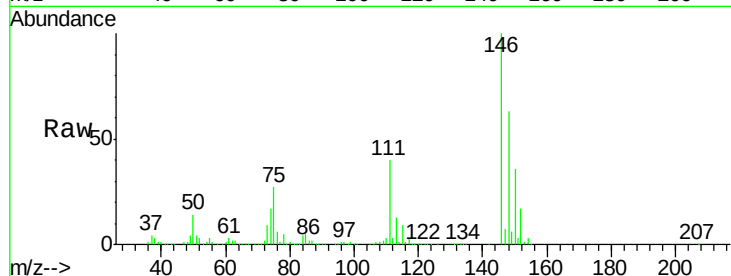




#65
 1,2-Dichlorobenzene
 Concen: 49.535 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016796.D
 Acq: 06 Oct 2020 15:12

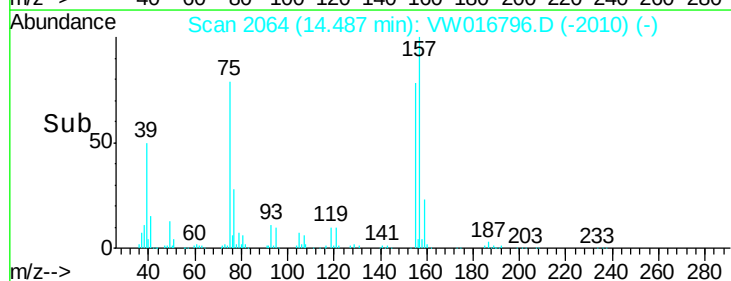
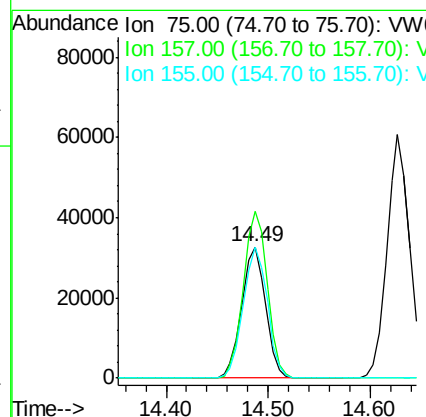
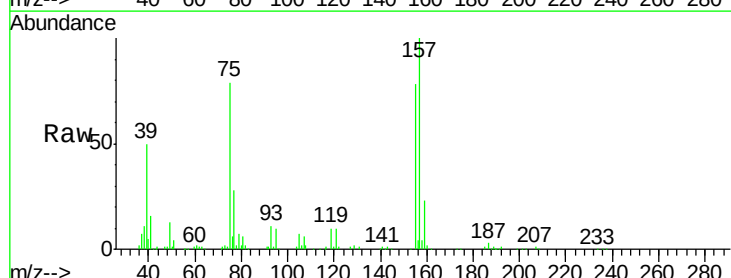
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

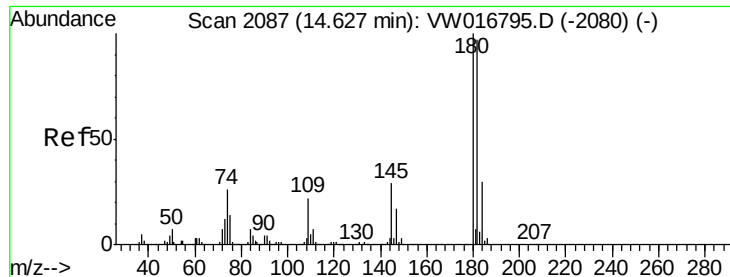
Tgt Ion: 146 Resp: 804764
 Ion Ratio Lower Upper
 146 100
 111 39.8 32.1 48.1
 148 62.9 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.155 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016796.D
 Acq: 06 Oct 2020 15:12

Tgt Ion: 75 Resp: 52828
 Ion Ratio Lower Upper
 75 100
 157 126.8 100.5 150.7
 155 99.4 74.7 112.1

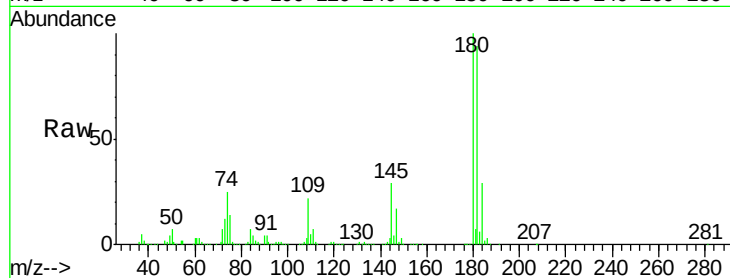




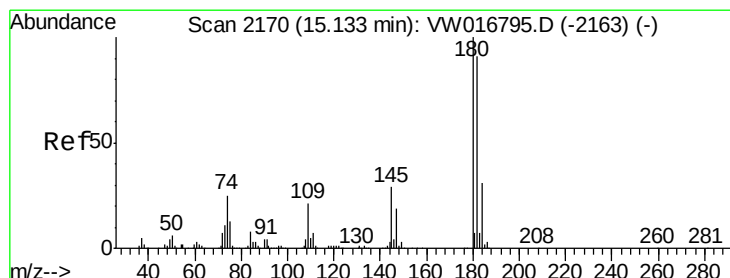
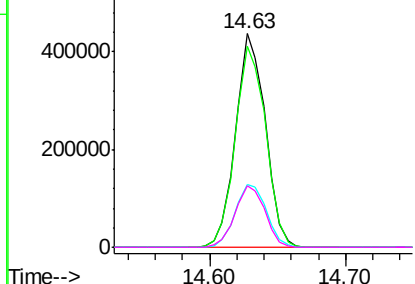
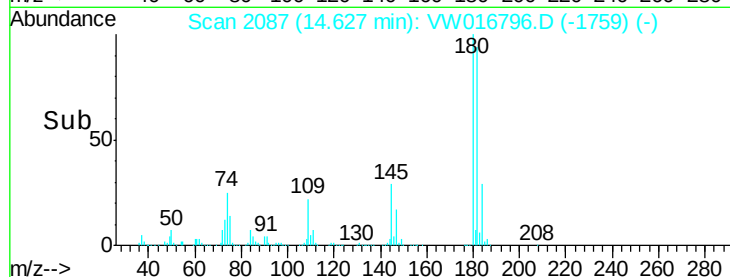
#67
 1,3,5-Trichlorobenzene
 Concen: 50.290 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016796.D
 Acq: 06 Oct 2020 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

Tgt Ion:	180	Resp:	665162
Ion	Ratio	Lower	Upper
180	100		
182	96.8	79.0	118.6
184	31.0	24.9	37.3
145	29.1	23.0	34.4

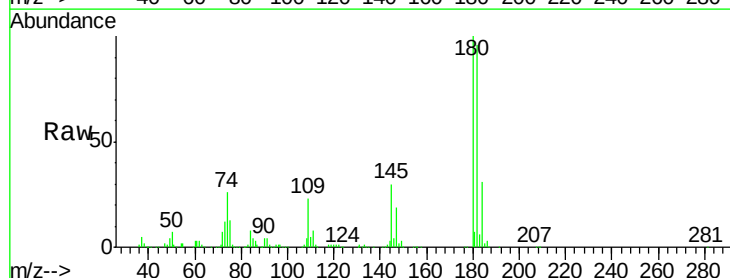


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

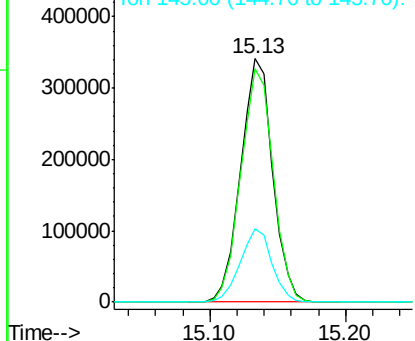
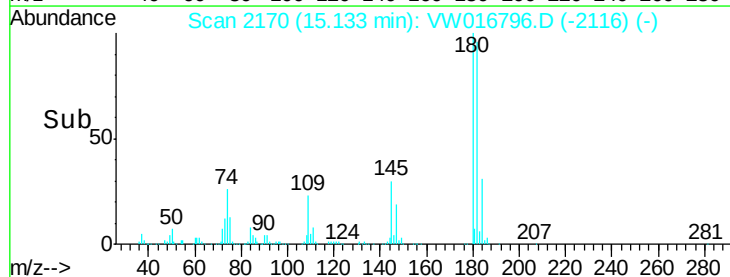


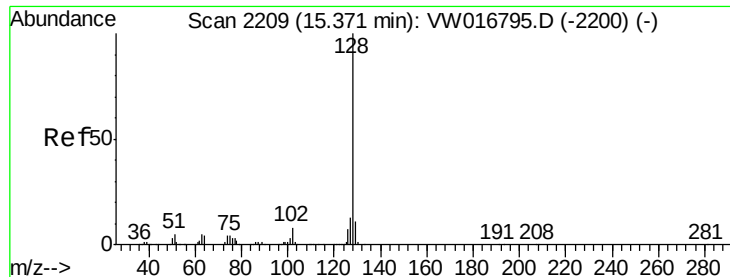
#68
 1,2,4-trichlorobenzene
 Concen: 52.125 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016796.D
 Acq: 06 Oct 2020 15:12

Tgt Ion:	180	Resp:	558743
Ion	Ratio	Lower	Upper
180	100		
182	97.4	74.2	111.2
145	29.8	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: 57.259 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

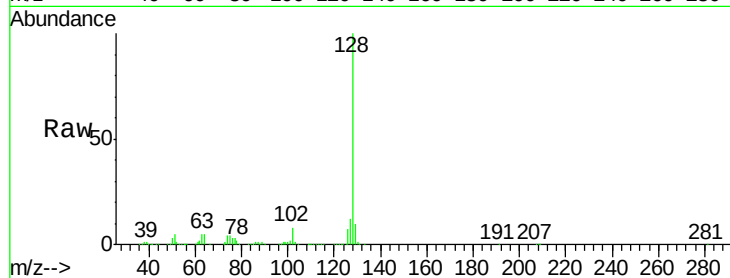
Tgt Ion:128 Resp: 1073981

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

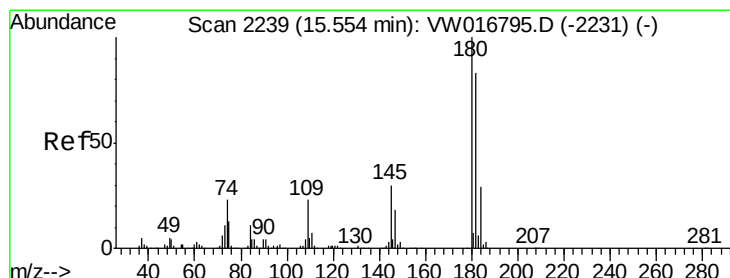
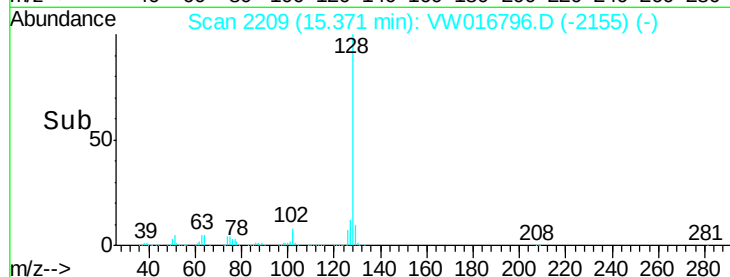
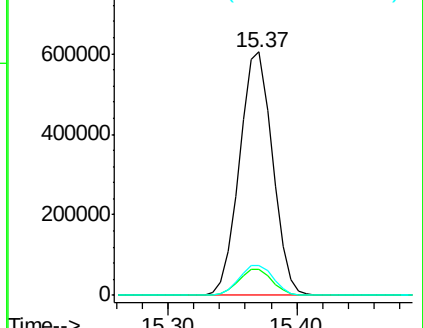
127 12.7 10.1 15.1



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: 52.883 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW016796.D

Acq: 06 Oct 2020 15:12

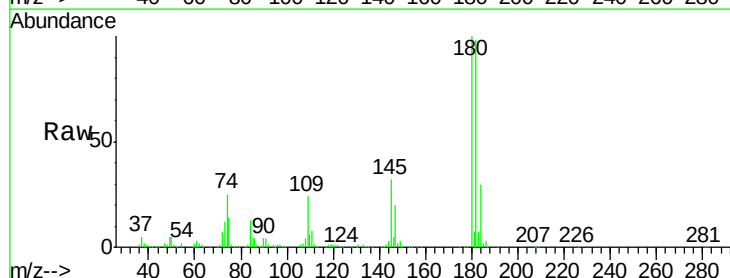
Tgt Ion:180 Resp: 487445

Ion Ratio Lower Upper

180 100

182 95.0 74.1 111.1

145 31.7 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

