

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091820\
 Data File : VW016579.D
 Acq On : 18 Sep 2020 11:22
 Operator : SY/VA
 Sample : VSTD05002
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050102

Quant Time: Sep 18 12:53:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM091820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 18 12:48:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	591854	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	526566	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	261311	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	329119	49.78	ug/L	0.00
7) Chloroethane-d5	2.90	69	267909	49.36	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.03	63	690893	49.52	ug/L	0.00
21) 2-Butanone-d5	7.09	46	137349	91.87	ug/L	0.00
24) Chloroform-d	7.65	84	696830	49.97	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	347240	48.76	ug/L	0.00
32) Benzene-d6	8.28	84	1309829	48.70	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.28	67	361826	48.92	ug/L	0.00
41) Toluene-d8	10.33	98	1294099	49.33	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.59	79	181922	50.71	ug/L	0.00
47) 2-Hexanone-d5	10.93	63	115479	99.21	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.69	84	279406	48.53	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.86	152	459100	48.51	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.02	85	353064	49.473 ug/L	91
3) Chloromethane	2.23	50	281332	49.744 ug/L	96
5) Vinyl chloride	2.37	62	394676	48.683 ug/L	99
6) Bromomethane	2.79	94	307613	49.392 ug/L	98
8) Chloroethane	2.94	64	238514	49.493 ug/L	97
9) Trichlorofluoromethane	3.28	101	410248	53.353 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	385329	50.484 ug/L	99
12) 1,1-Dichloroethene	4.05	96	383833	50.268 ug/L	93
13) Acetone	4.14	43	87976	85.194 ug/L	98
14) Carbon disulfide	4.39	76	1136883	50.148 ug/L	100
15) Methyl Acetate	4.68	43	119856	48.412 ug/L	99
16) Methylene chloride	4.93	84	363469	41.904 ug/L	97
17) trans-1,2-Dichloroethene	5.44	96	397907	50.238 ug/L	95
18) Methyl tert-butyl Ether	5.43	73	476382	48.966 ug/L	100
19) 1,1-Dichloroethane	6.23	63	631991	50.373 ug/L	99
20) cis-1,2-Dichloroethene	7.18	96	413842	50.267 ug/L	97
22) 2-Butanone	7.18	43	145363	84.766 ug/L	100
23) Bromochloromethane	7.52	128	193883	50.089 ug/L	98
25) Chloroform	7.68	83	685905	49.973 ug/L	98
27) 1,2-Dichloroethane	8.40	62	420419	49.332 ug/L	99
29) Cyclohexane	7.96	56	578785	49.233 ug/L	100
30) 1,1,1-Trichloroethane	7.88	97	625262	49.835 ug/L	99
31) Carbon tetrachloride	8.07	117	619805	50.728 ug/L	100
33) Benzene	8.33	78	1429024	48.989 ug/L	100
34) Trichloroethene	9.10	95	417685	49.918 ug/L	97
35) Methylcyclohexane	9.34	83	705378	50.467 ug/L	100
37) 1,2-Dichloropropane	9.37	63	330918	49.752 ug/L	99
38) Bromodichloromethane	9.65	83	499411	50.631 ug/L	99
39) cis-1,3-Dichloropropene	10.08	75	577491	50.863 ug/L	98
40) 4-Methyl-2-pentanone	10.21	43	356836	95.750 ug/L	99

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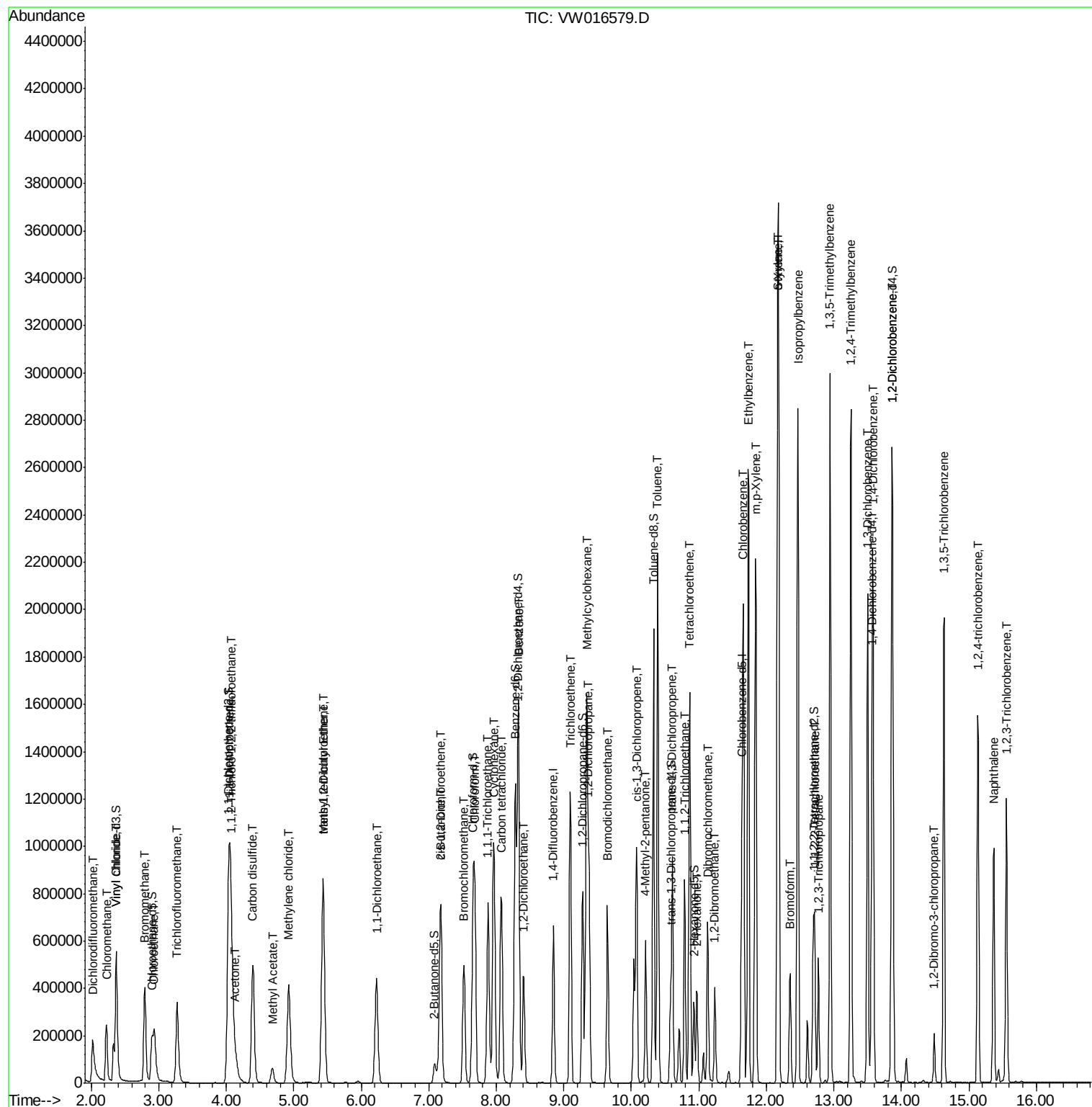
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.39	91	1647332	50.127	ug/L	98
44) trans-1,3-Dichloropropene	10.61	75	495952	50.930	ug/L	100
45) 1,1,2-Trichloroethane	10.79	97	268138	49.634	ug/L	98
46) Tetrachloroethene	10.87	164	374701	49.644	ug/L	95
48) 2-Hexanone	10.97	43	236051	100.359	ug/L	99
49) Dibromochloromethane	11.13	129	360465	50.833	ug/L	97
50) 1,2-Dibromoethane	11.24	107	264237	49.386	ug/L	98
51) Chlorobenzene	11.66	112	1087051	49.883	ug/L	98
52) Ethylbenzene	11.73	91	1860414	50.280	ug/L	99
53) m,p-Xylene	11.84	106	736507	51.095	ug/L	98
54) o-Xylene	12.17	106	687205	50.370	ug/L	94
55) Styrene	12.18	104	1177627	51.840	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.72	83	288440	49.590	ug/L	99
59) Bromoform	12.35	173	214364	50.817	ug/L	99
60) Isopropylbenzene	12.47	105	1913135	50.146	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	209238	48.590	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	1587713	50.571	ug/L	98
63) 1,2,4-Trimethylbenzene	13.26	105	1565417	50.166	ug/L	97
64) 1,3-Dichlorobenzene	13.50	146	863036	49.292	ug/L	98
65) 1,4-Dichlorobenzene	13.58	146	866973	50.487	ug/L	99
67) 1,2-Dichlorobenzene	13.87	146	775758	50.079	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.49	75	48565	47.979	ug/L	99
69) 1,3,5-Trichlorobenzene	14.63	180	650156	50.309	ug/L	97
70) 1,2,4-trichlorobenzene	15.14	180	536272	51.381	ug/L	98
71) Naphthalene	15.37	128	899713	51.367	ug/L	99
72) 1,2,3-Trichlorobenzene	15.56	180	428348	48.879	ug/L	95

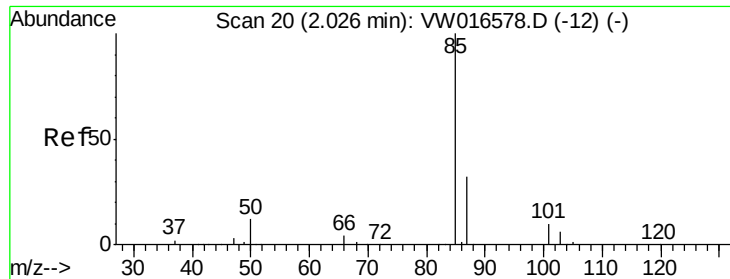
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.473 ug/L

RT: 2.02 min Scan# 19

Delta R.T. -0.01 min

Lab File: VW016579.D

Acq: 18 Sep 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

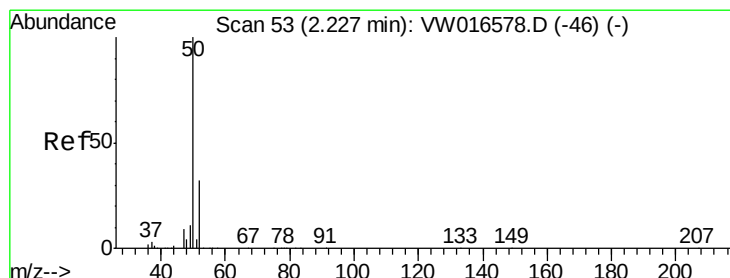
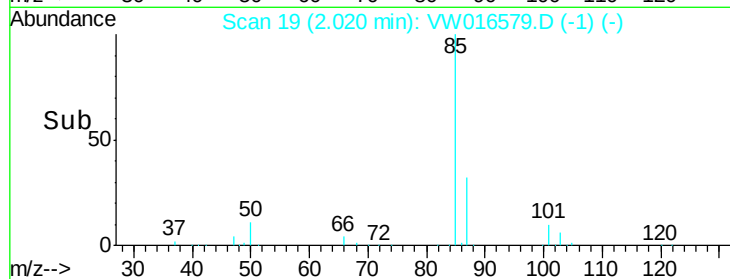
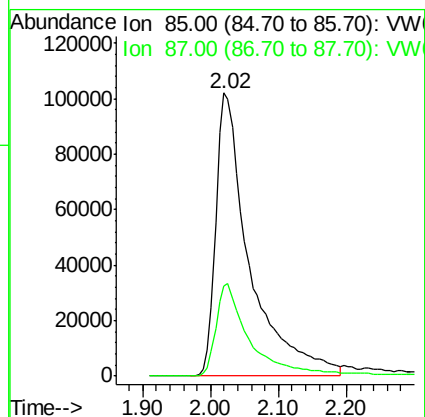
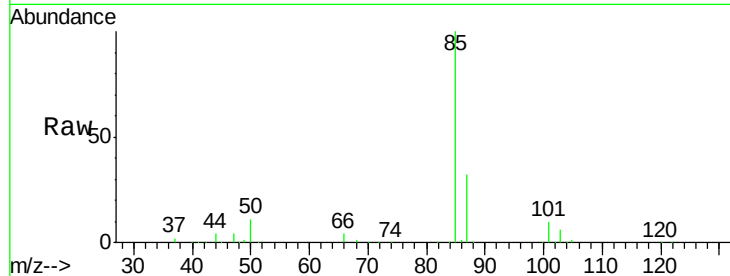
VSTD050102

Tgt Ion: 85 Resp: 353064

Ion Ratio Lower Upper

85 100

87 31.3 21.4 32.0



#3

Chloromethane

Concen: 49.744 ug/L

RT: 2.23 min Scan# 53

Delta R.T. 0.00 min

Lab File: VW016579.D

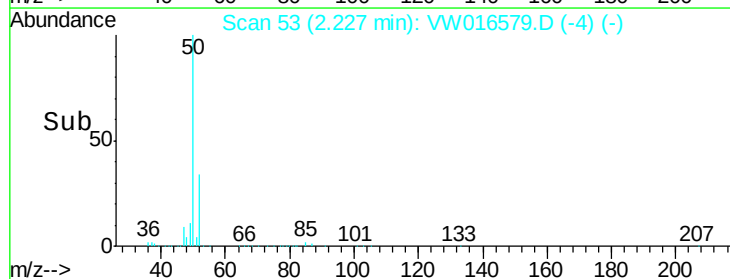
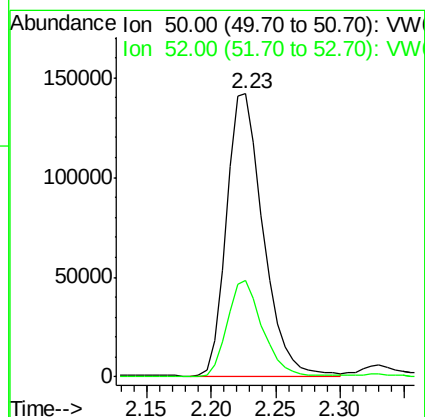
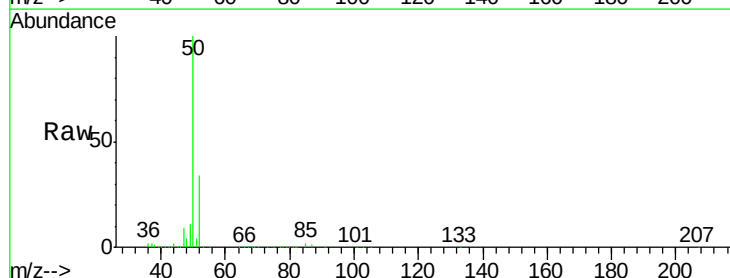
Acq: 18 Sep 2020 11:22

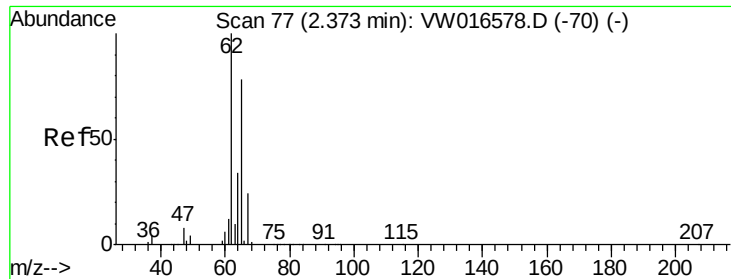
Tgt Ion: 50 Resp: 281332

Ion Ratio Lower Upper

50 100

52 33.9 22.1 41.1





#5

Vinyl chloride

Concen: 48.683 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW016579.D

Acq: 18 Sep 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

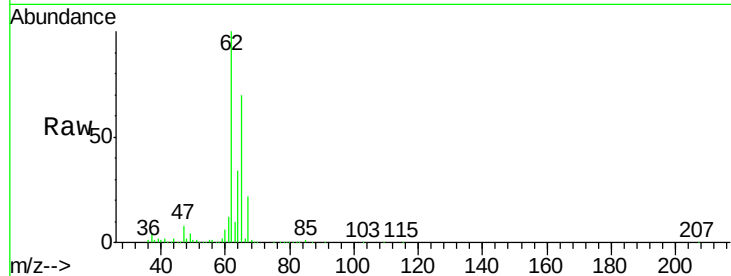
VSTD050102

Tgt Ion: 62 Resp: 394676

Ion Ratio Lower Upper

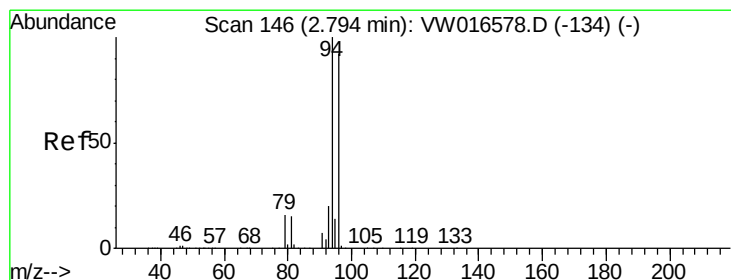
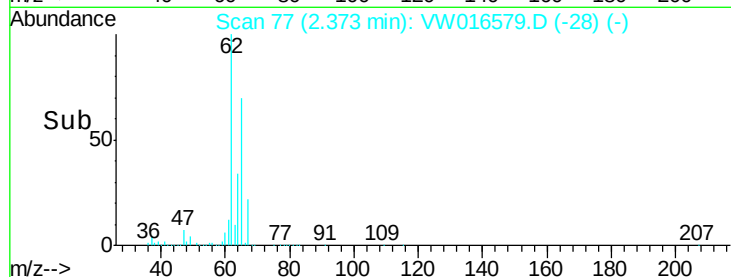
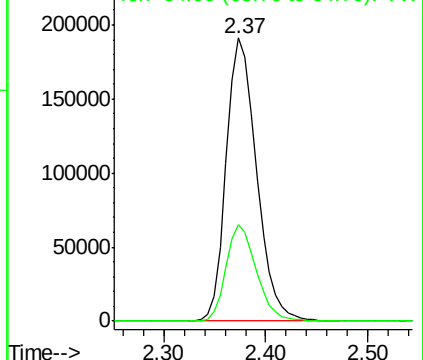
62 100

64 33.9 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 49.392 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.00 min

Lab File: VW016579.D

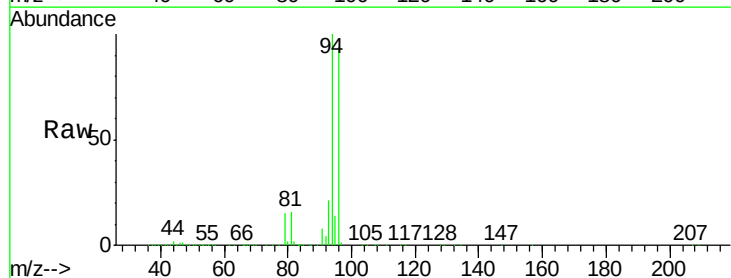
Acq: 18 Sep 2020 11:22

Tgt Ion: 94 Resp: 307613

Ion Ratio Lower Upper

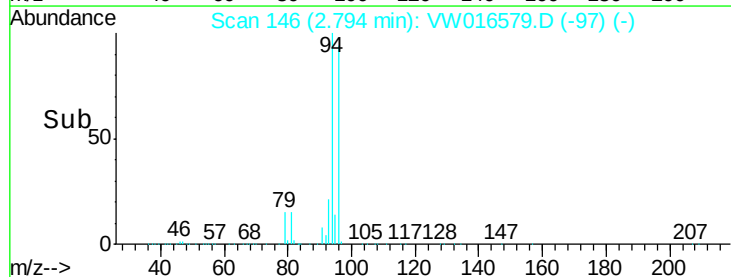
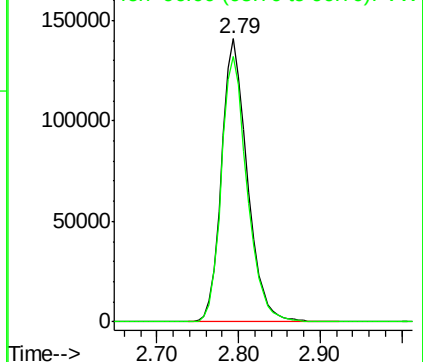
94 100

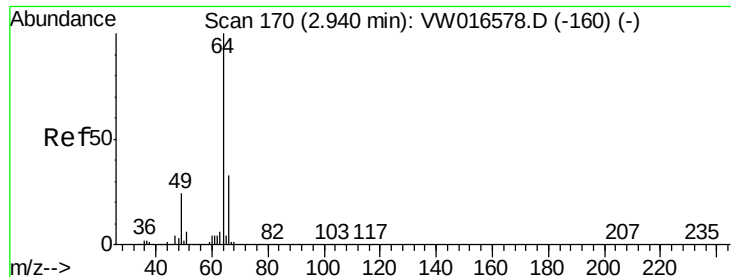
96 93.8 64.2 119.2



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 49.493 ug/L

RT: 2.94 min Scan# 170

Delta R.T. 0.00 min

Lab File: VW016579.D

Acq: 18 Sep 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

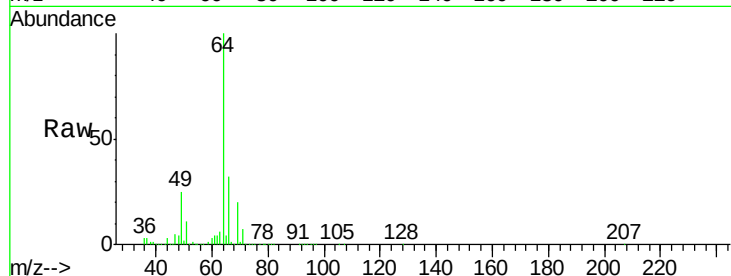
VSTD050102

Tgt Ion: 64 Resp: 238514

Ion Ratio Lower Upper

64 100

66 32.0 23.5 43.7



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

2.94

100000

80000

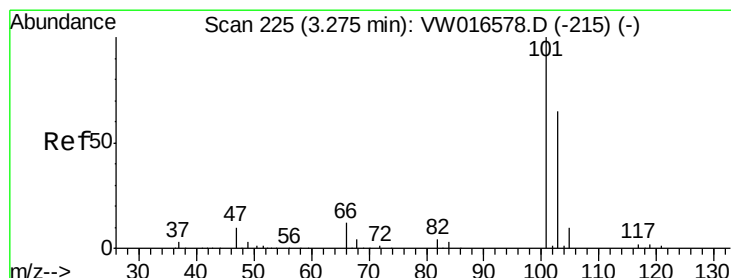
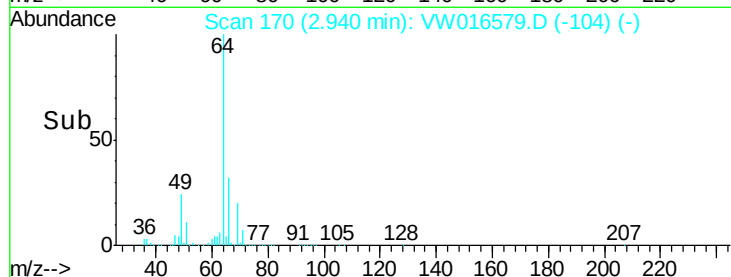
60000

40000

20000

0

Time--> 2.80 2.90 3.00 3.10



#9

Trichlorofluoromethane

Concen: 53.353 ug/L

RT: 3.28 min Scan# 225

Delta R.T. 0.00 min

Lab File: VW016579.D

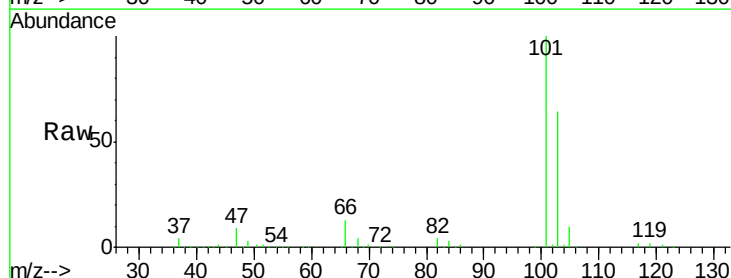
Acq: 18 Sep 2020 11:22

Tgt Ion: 101 Resp: 410248

Ion Ratio Lower Upper

101 100

103 64.5 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.28

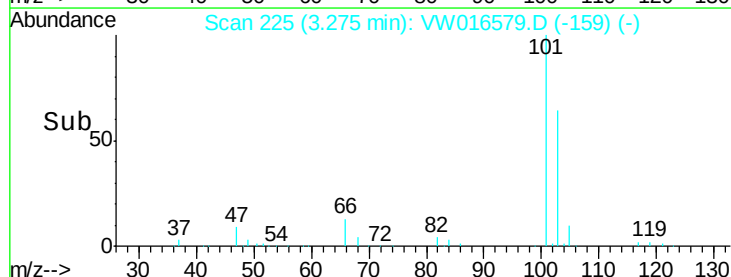
150000

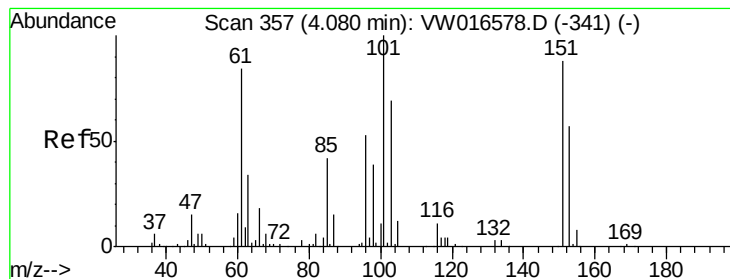
100000

50000

0

Time--> 3.20 3.30 3.40





#10

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

Concen: 50.484 ug/L

RT: 4.07 min Scan# 356

Delta R.T. -0.01 min

Lab File: VW016579.D

Acq: 18 Sep 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD050102

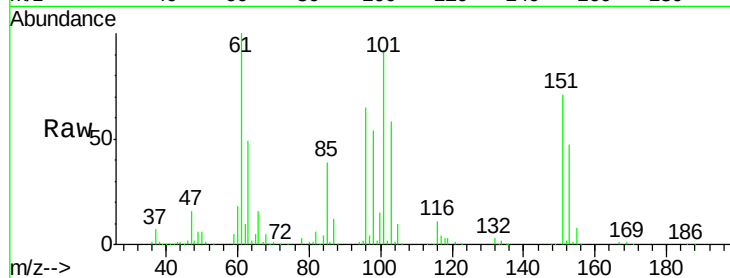
Tgt Ion: 101 Resp: 385329

Ion Ratio Lower Upper

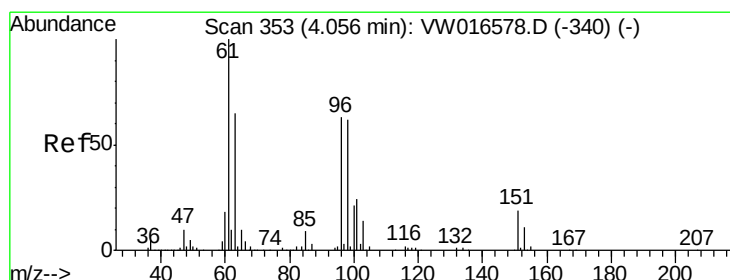
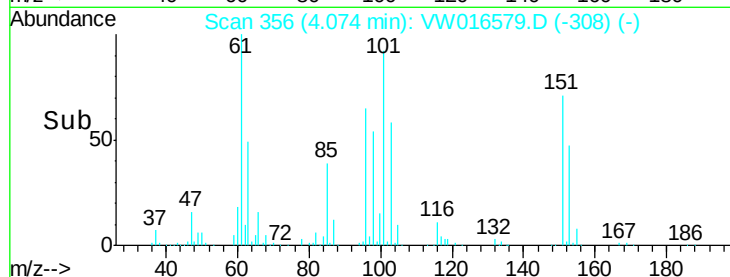
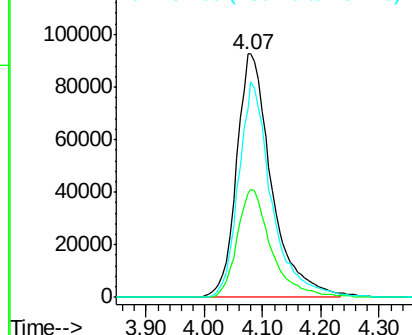
101 100

85 42.8 32.2 48.2

151 83.4 66.8 100.2



Abundance Ion 101.00 (100.70 to 101.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 151.00 (150.70 to 151.70): VW



#12

1,1-Dichloroethene

Concen: 50.268 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW016579.D

Acq: 18 Sep 2020 11:22

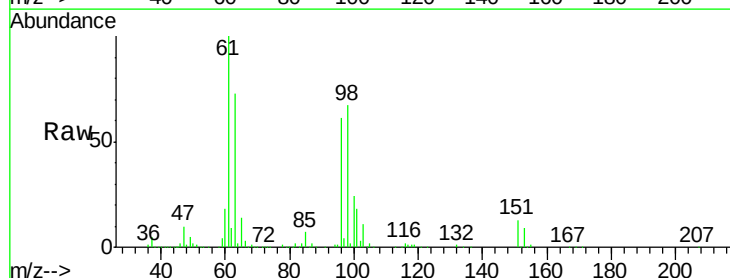
Tgt Ion: 96 Resp: 383833

Ion Ratio Lower Upper

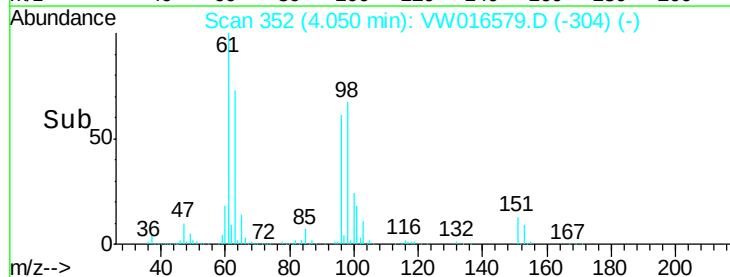
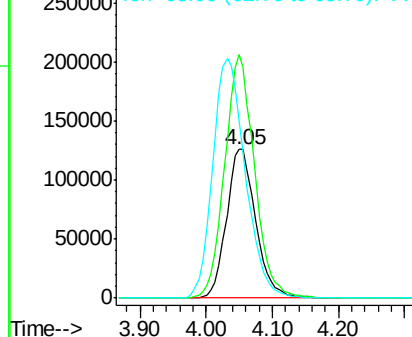
96 100

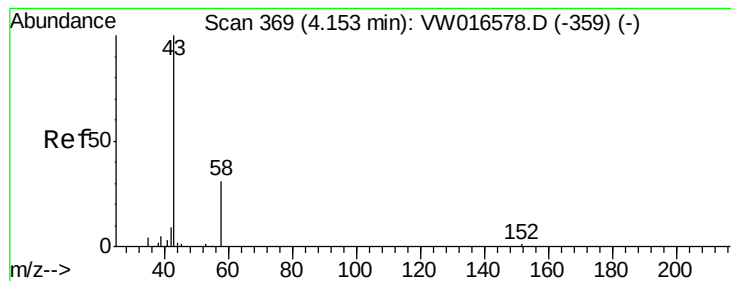
61 163.8 112.1 208.3

63 119.1 74.2 137.8



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: 85.194 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

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ClientSampleId :

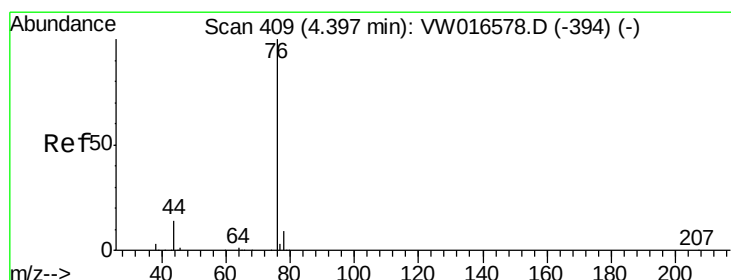
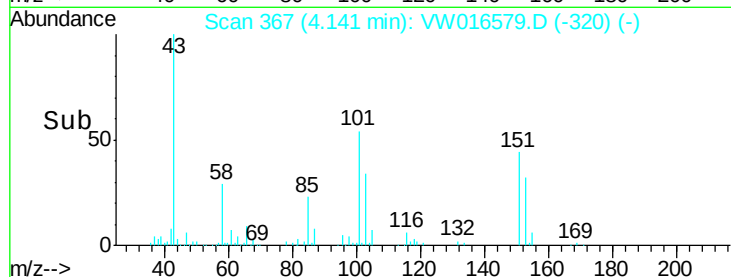
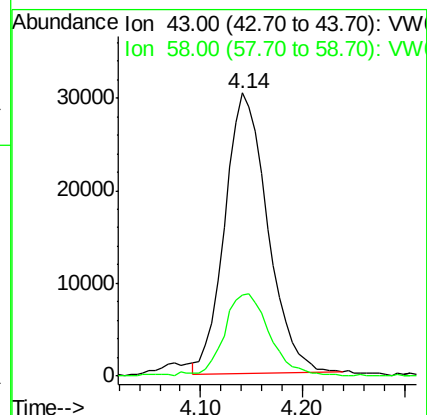
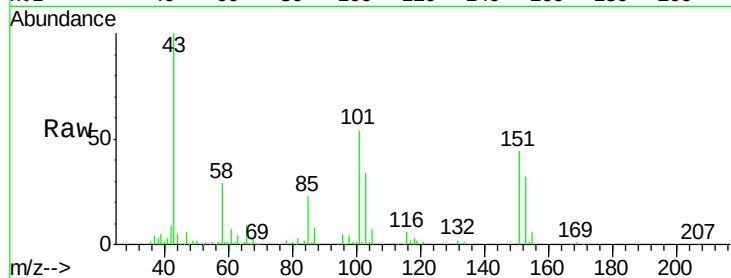
VSTD050102

Tgt Ion: 43 Resp: 87976

Ion Ratio Lower Upper

43 100

58 30.7 0.0 59.4



#14

Carbon disulfide

Concen: 50.148 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.01 min

Lab File: VW016579.D

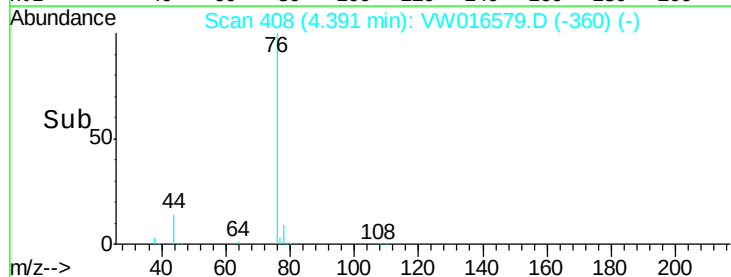
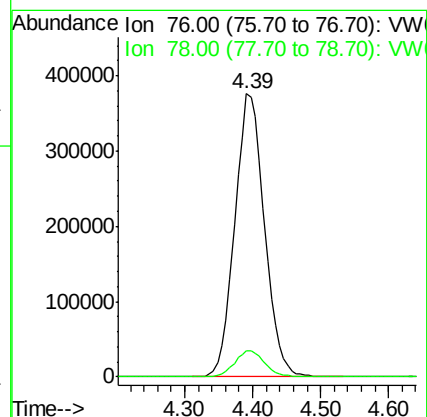
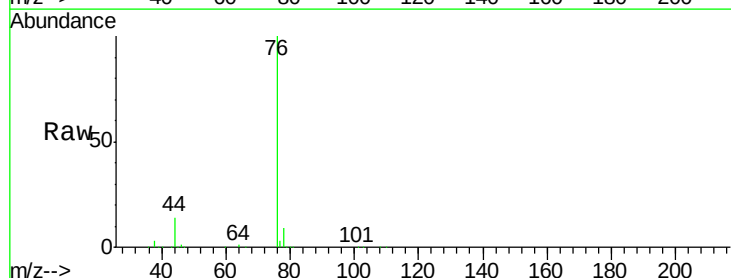
Acq: 18 Sep 2020 11:22

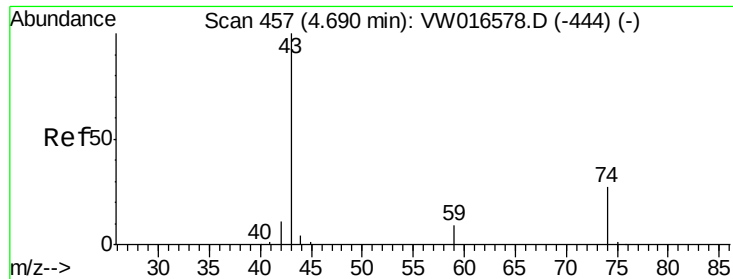
Tgt Ion: 76 Resp: 1136883

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

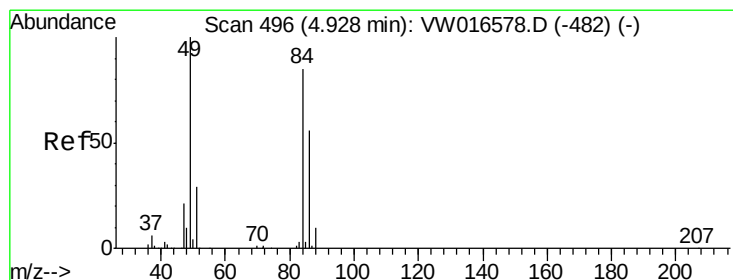
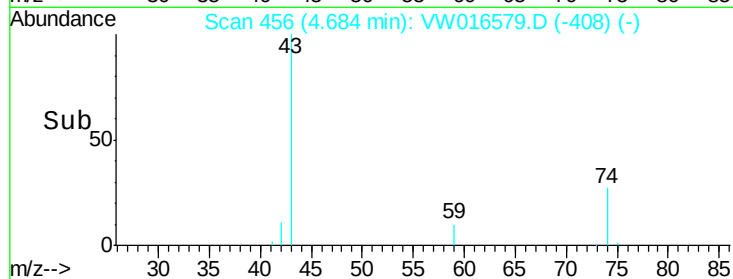
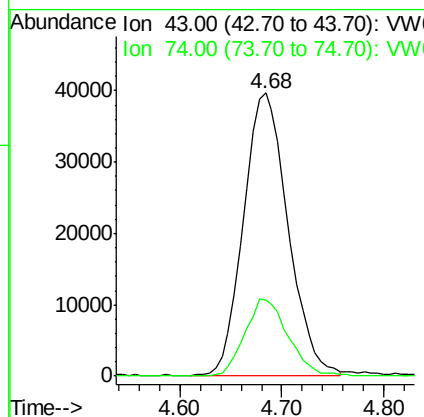
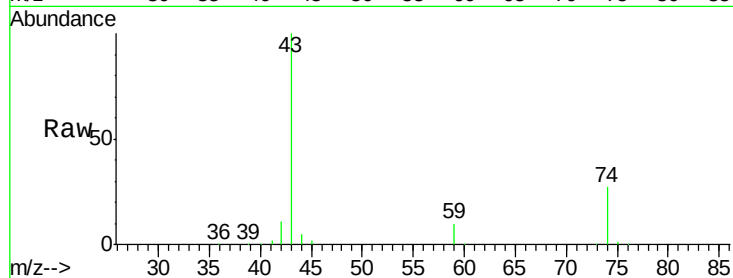




#15
Methyl Acetate
Concen: 48.412 ug/L
RT: 4.68 min Scan# 456
Delta R.T. -0.01 min
Lab File: VW016579.D
Acq: 18 Sep 2020 11:22

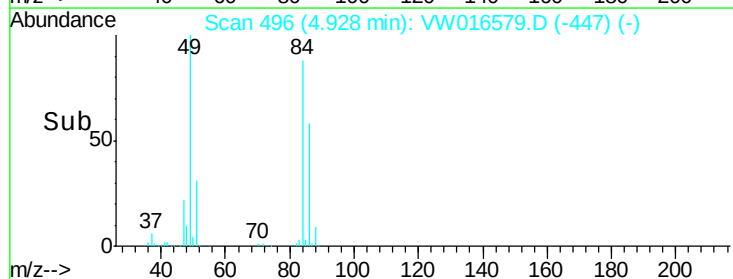
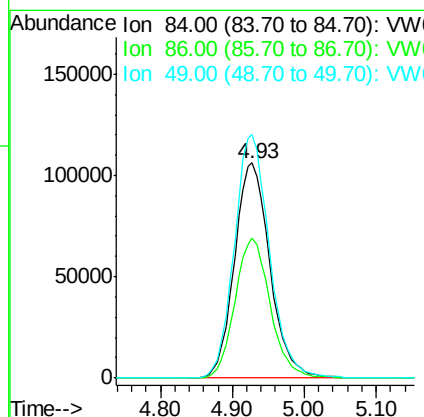
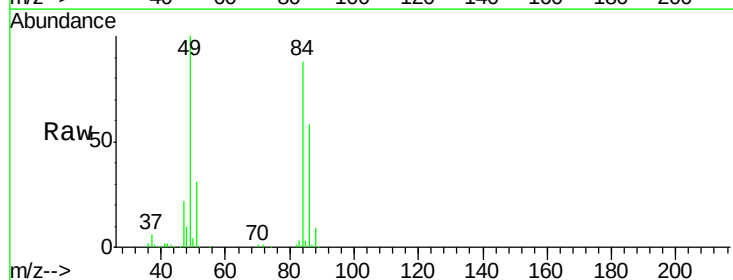
Instrument :
MSVOA_W
ClientSampled :
VSTD050102

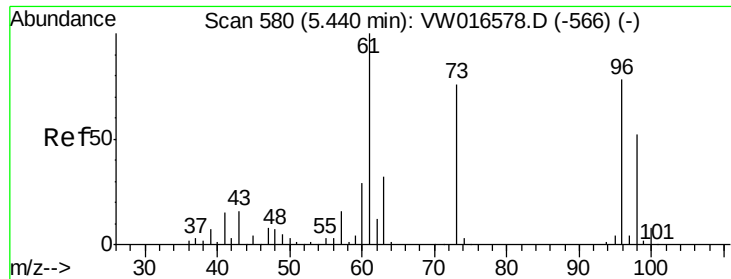
Tgt Ion: 43 Resp: 119856
Ion Ratio Lower Upper
43 100
74 26.6 21.9 32.9



#16
Methylene chloride
Concen: 41.904 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.00 min
Lab File: VW016579.D
Acq: 18 Sep 2020 11:22

Tgt Ion: 84 Resp: 363469
Ion Ratio Lower Upper
84 100
86 65.3 46.2 85.8
49 113.2 82.8 153.8

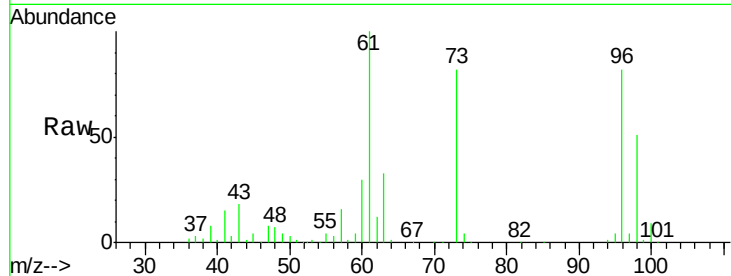




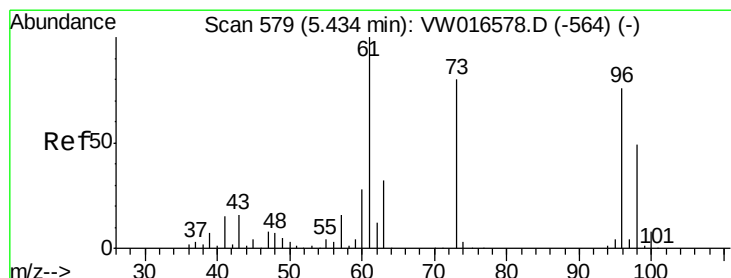
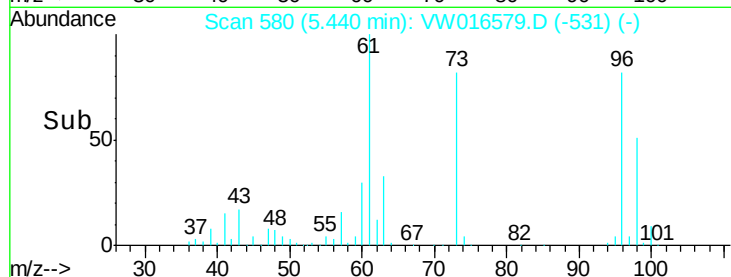
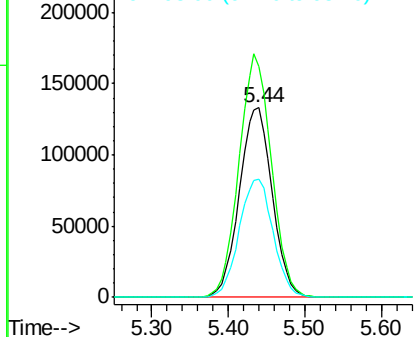
#17
trans-1,2-Dichloroethene
Concen: 50.238 ug/L
RT: 5.44 min Scan# 580
Delta R.T. 0.00 min
Lab File: VW016579.D
Acq: 18 Sep 2020 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD050102

Tgt Ion: 96 Resp: 397907
Ion Ratio Lower Upper
96 100
61 122.1 89.7 166.7
98 62.6 46.4 86.2

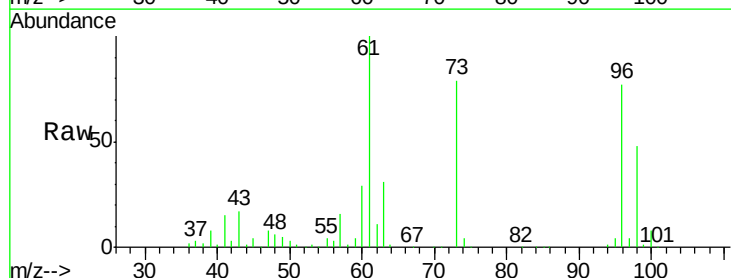


Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

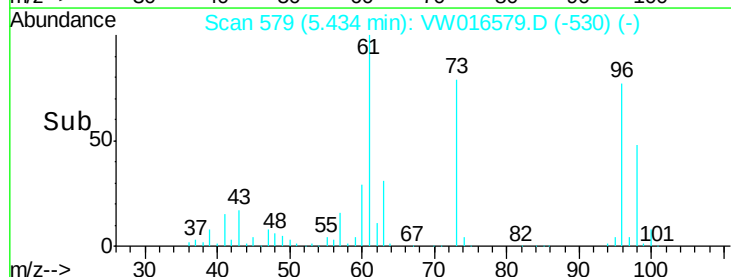
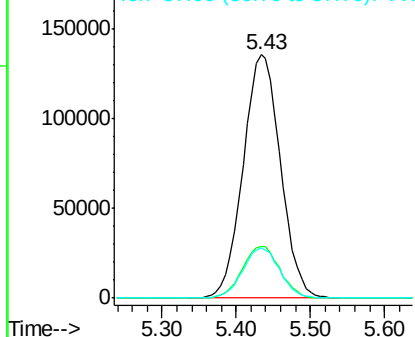


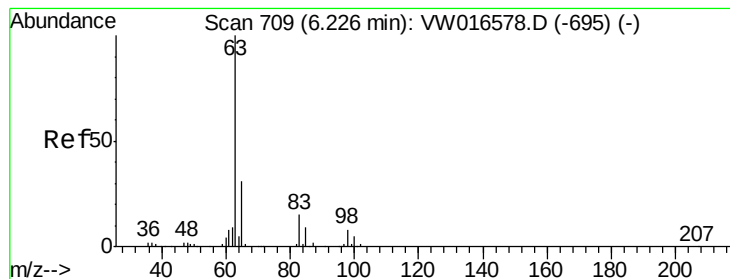
#18
Methyl tert-butyl Ether
Concen: 48.966 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW016579.D
Acq: 18 Sep 2020 11:22

Tgt Ion: 73 Resp: 476382
Ion Ratio Lower Upper
73 100
43 21.3 17.0 25.6
57 20.5 16.3 24.5



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





#19

1,1-Dichloroethane

Concen: 50.373 ug/L

RT: 6.23 min Scan# 709

Delta R.T. 0.00 min

Lab File: VW016579.D

Acq: 18 Sep 2020 11:22

Instrument :

MSVOA_W

ClientSampled :

VSTD050102

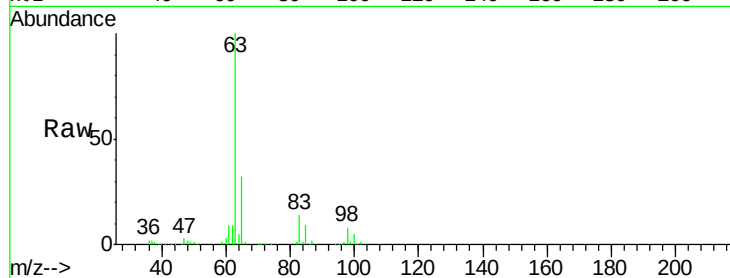
Tgt Ion: 63 Resp: 631991

Ion Ratio Lower Upper

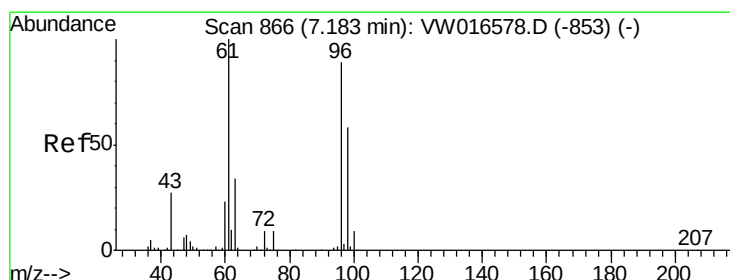
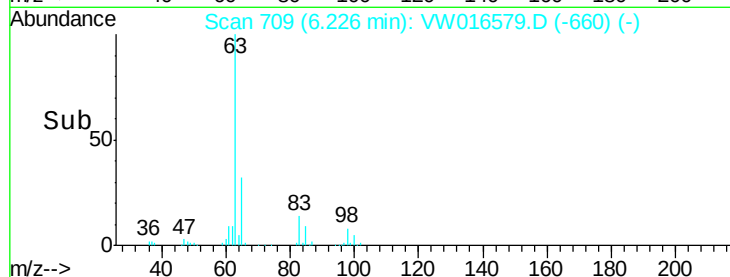
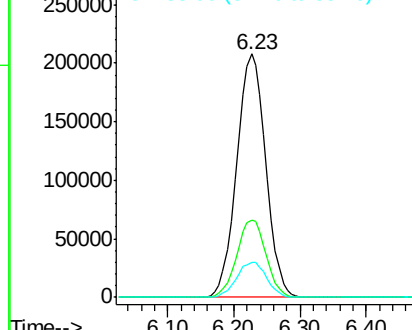
63 100

65 31.7 21.8 40.6

83 14.4 10.2 19.0



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#20

cis-1,2-Dichloroethene

Concen: 50.267 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW016579.D

Acq: 18 Sep 2020 11:22

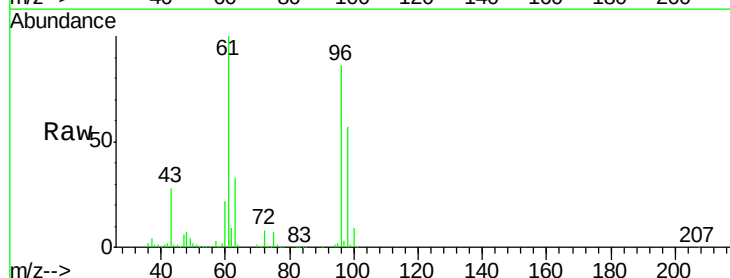
Tgt Ion: 96 Resp: 413842

Ion Ratio Lower Upper

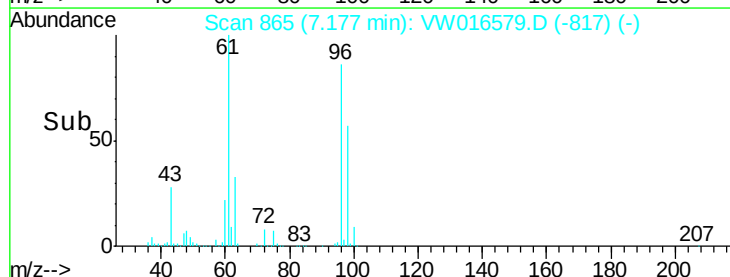
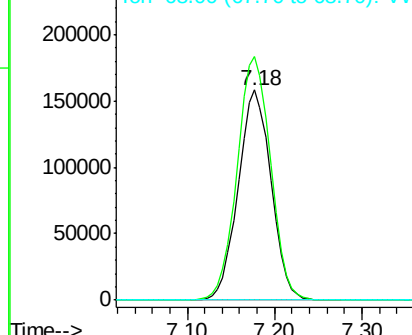
96 100

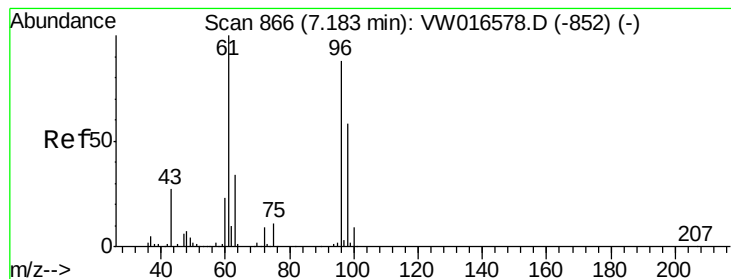
61 116.0 79.2 147.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 68.00 (67.70 to 68.70): VW





#22

2-Butanone

Concen: 84.766 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW016579.D

Acq: 18 Sep 2020 11:22

Instrument :

MSVOA_W

ClientSampled :

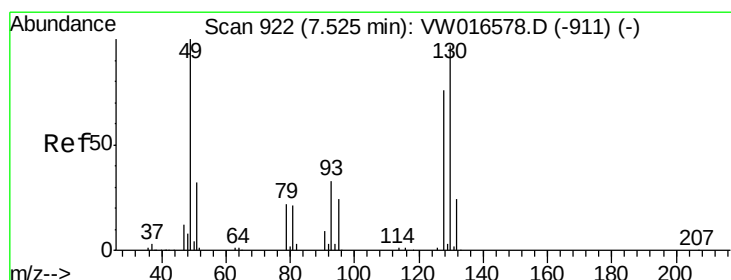
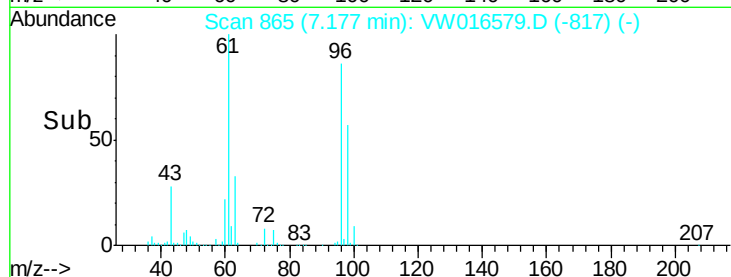
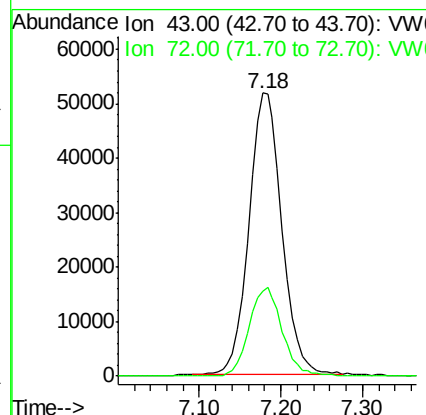
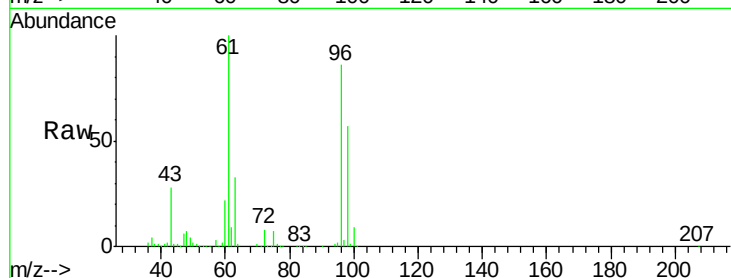
VSTD050102

Tgt Ion: 43 Resp: 145363

Ion Ratio Lower Upper

43 100

72 31.5 15.7 47.0



#23

Bromochloromethane

Concen: 50.089 ug/L

RT: 7.52 min Scan# 921

Delta R.T. -0.01 min

Lab File: VW016579.D

Acq: 18 Sep 2020 11:22

Tgt Ion: 128 Resp: 193883

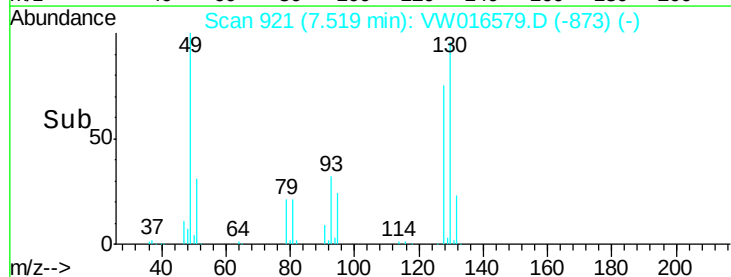
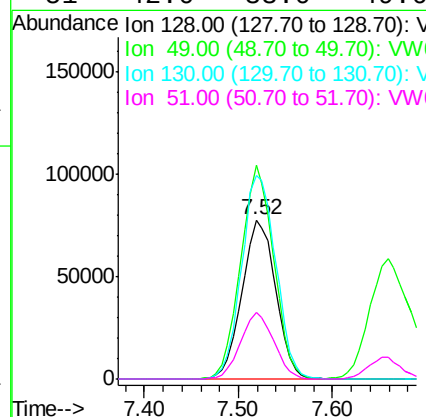
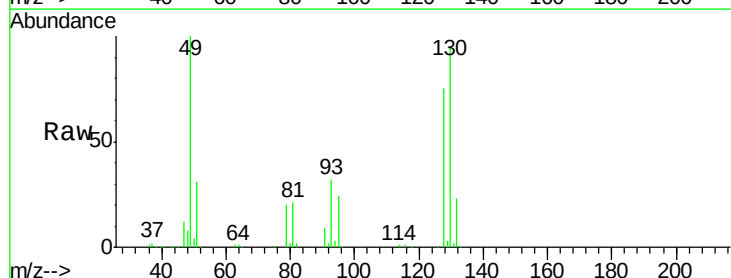
Ion Ratio Lower Upper

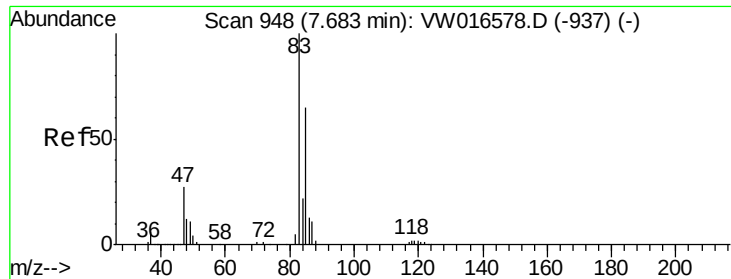
128 100

49 134.1 91.5 169.9

130 127.9 89.0 165.4

51 42.0 33.0 49.6

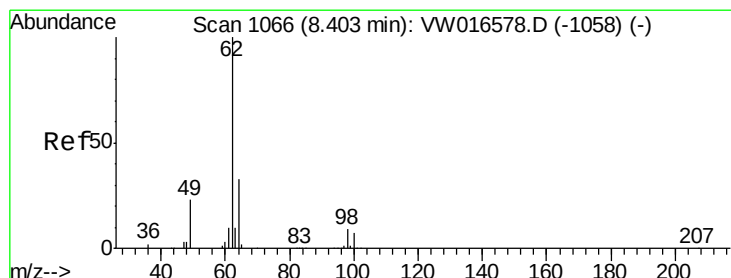
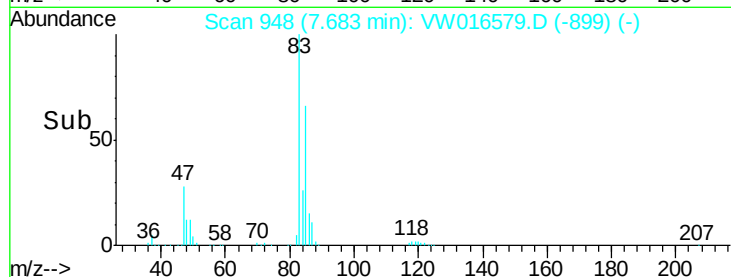
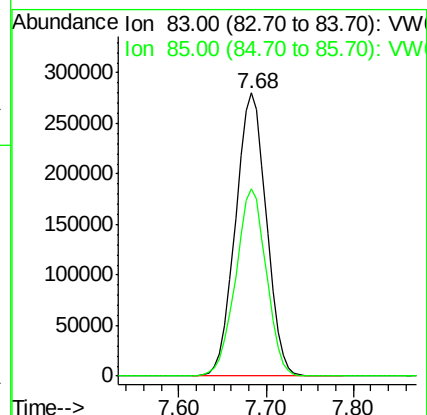
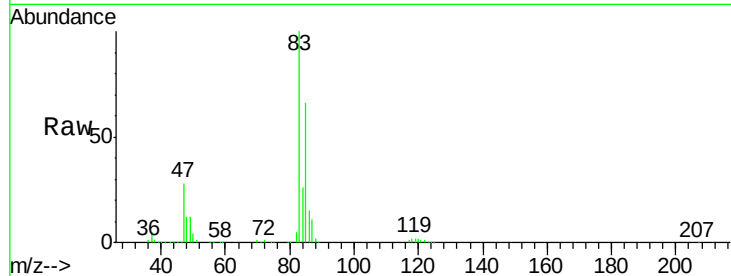




#25
Chloroform
Concen: 49.973 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.00 min
Lab File: VW016579.D
Acq: 18 Sep 2020 11:22

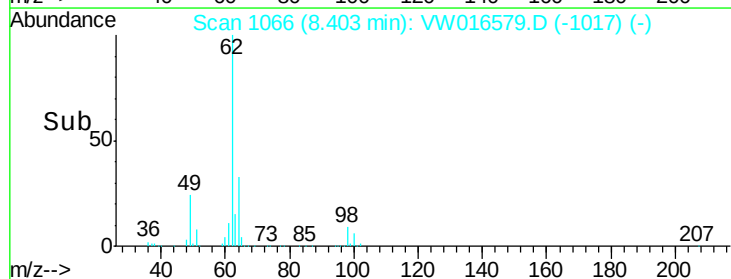
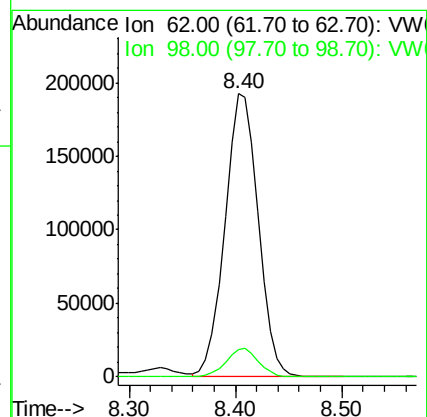
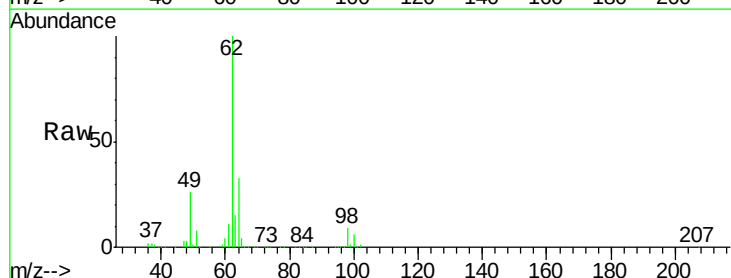
Instrument :
MSVOA_W
ClientSampleId :
VSTD050102

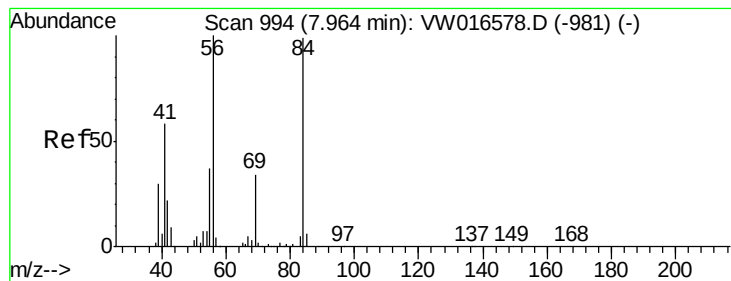
Tgt Ion: 83 Resp: 685905
Ion Ratio Lower Upper
83 100
85 66.3 45.4 84.4



#27
1,2-Dichloroethane
Concen: 49.332 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016579.D
Acq: 18 Sep 2020 11:22

Tgt Ion: 62 Resp: 420419
Ion Ratio Lower Upper
62 100
98 9.5 7.3 10.9





#29

Cyclohexane

Concen: 49.233 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.00 min

Lab File: VW016579.D

Acq: 18 Sep 2020 11:22

Instrument :

MSVOA_W

ClientSampled :

VSTD050102

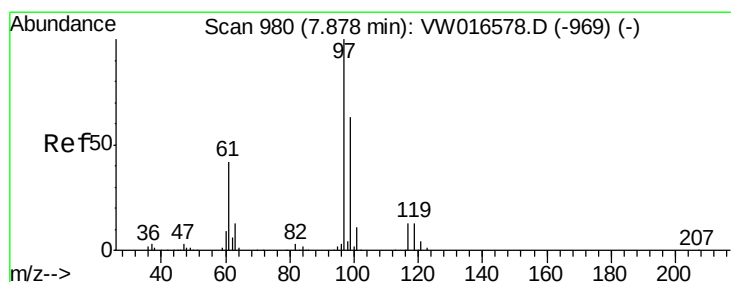
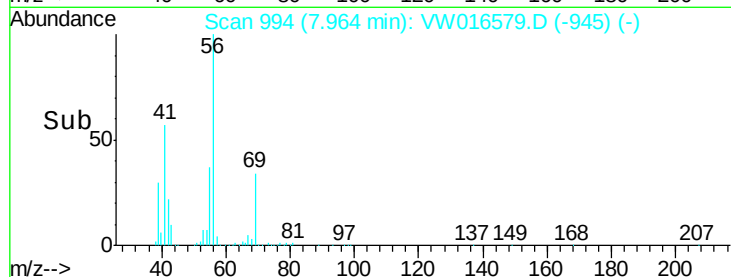
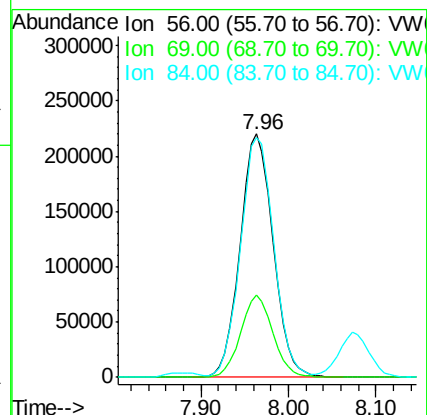
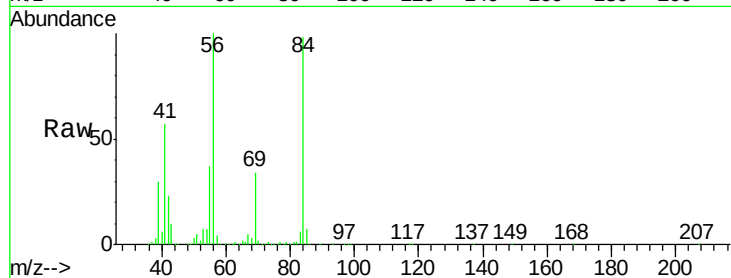
Tgt Ion: 56 Resp: 578785

Ion Ratio Lower Upper

56 100

69 33.0 26.4 39.6

84 99.5 79.9 119.9



#30

1,1,1-Trichloroethane

Concen: 49.835 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016579.D

Acq: 18 Sep 2020 11:22

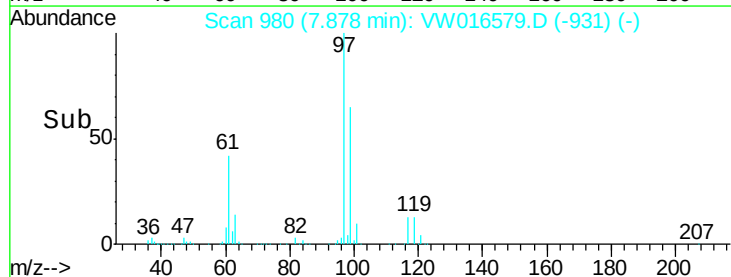
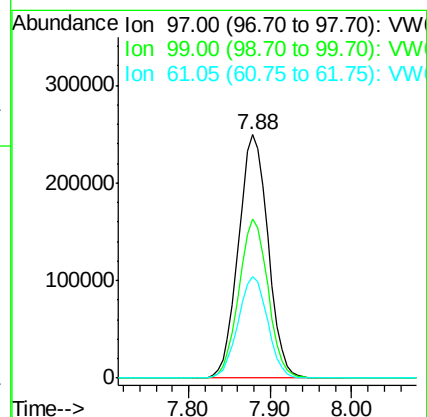
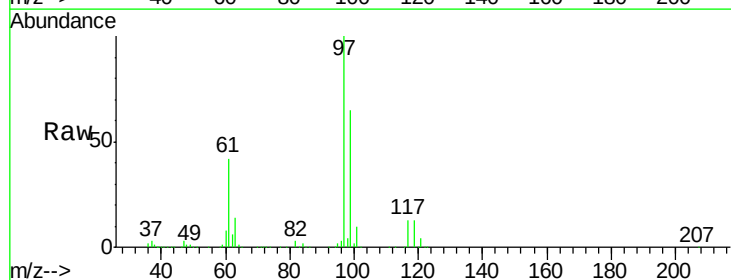
Tgt Ion: 97 Resp: 625262

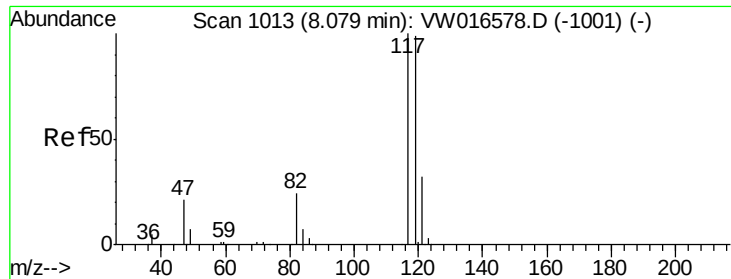
Ion Ratio Lower Upper

97 100

99 64.5 50.9 76.3

61 41.6 33.2 49.8

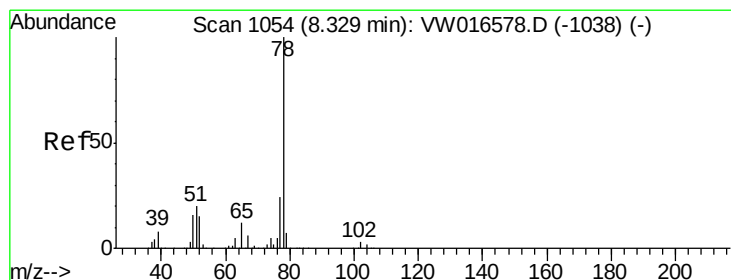
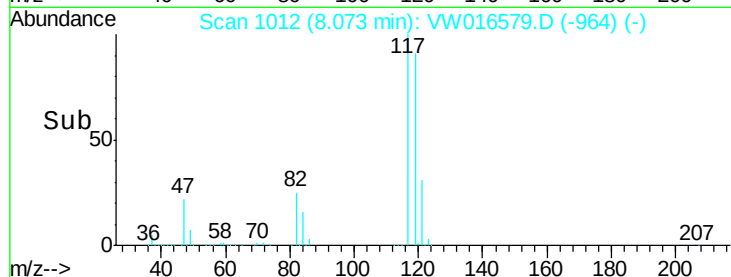
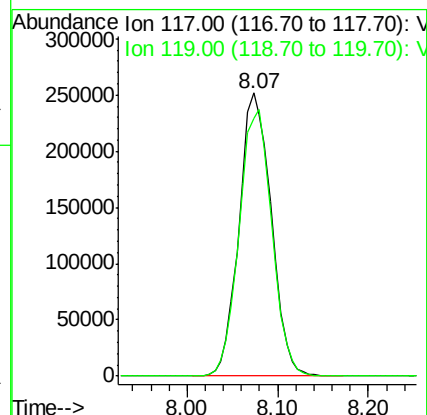
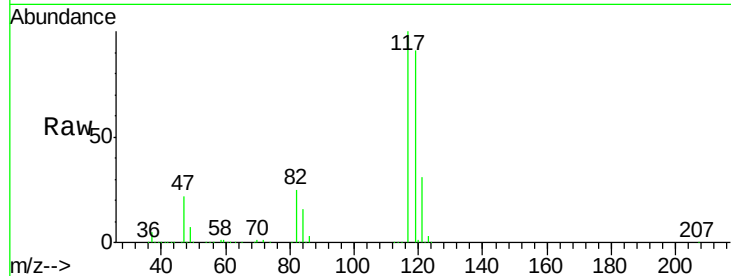




#31
Carbon tetrachloride
Concen: 50.728 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VW016579.D
Acq: 18 Sep 2020 11:22

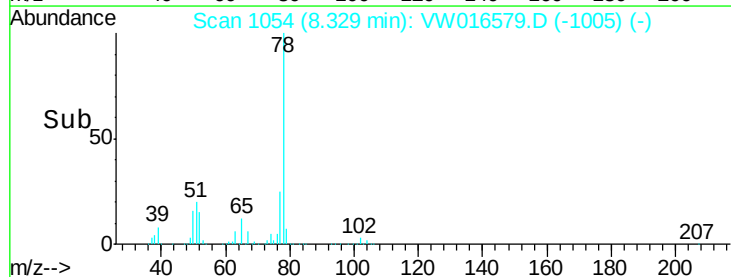
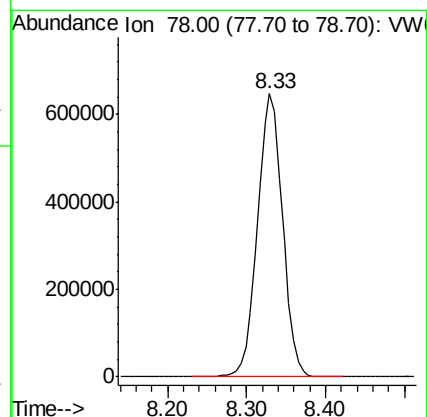
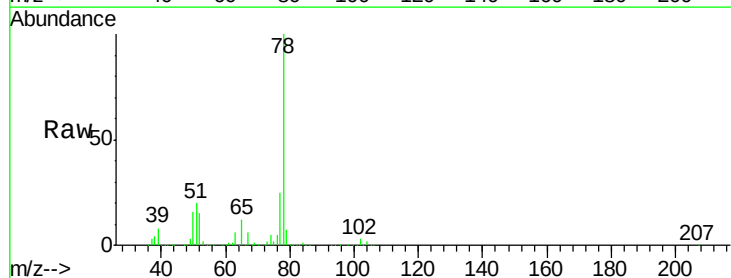
Instrument :
MSVOA_W
ClientSampleId :
VSTD050102

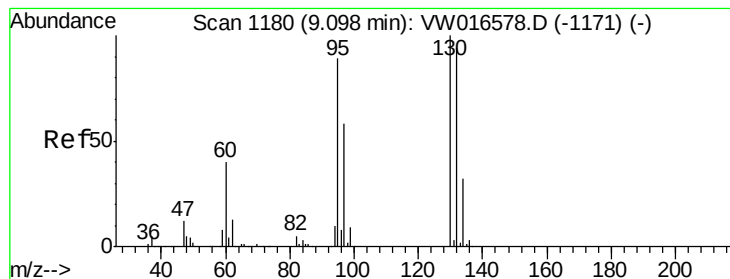
Tgt Ion:117 Resp: 619805
Ion Ratio Lower Upper
117 100
119 96.0 76.7 115.1



#33
Benzene
Concen: 48.989 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW016579.D
Acq: 18 Sep 2020 11:22

Tgt Ion: 78 Resp: 1429024





#34

Trichloroethene

Concen: 49.918 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW016579.D

Acq: 18 Sep 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD050102

Tgt Ion: 95 Resp: 417685

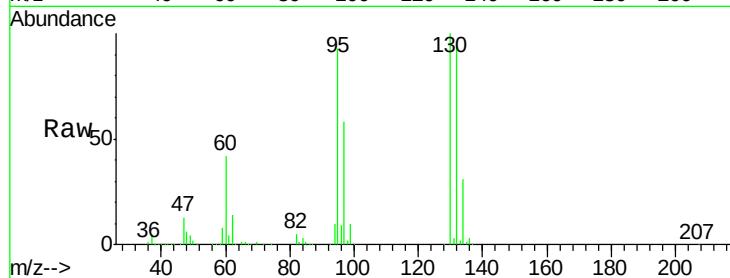
Ion Ratio Lower Upper

95 100

97 62.9 45.1 83.9

132 101.3 73.8 137.2

130 107.8 78.3 145.5

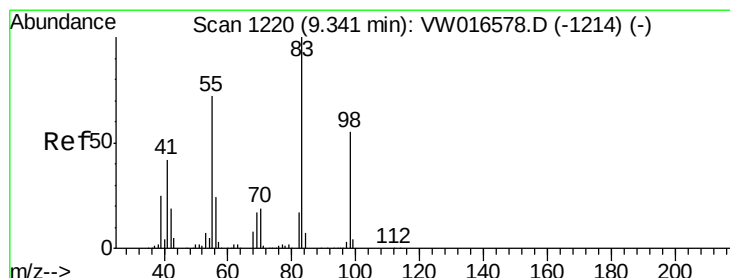
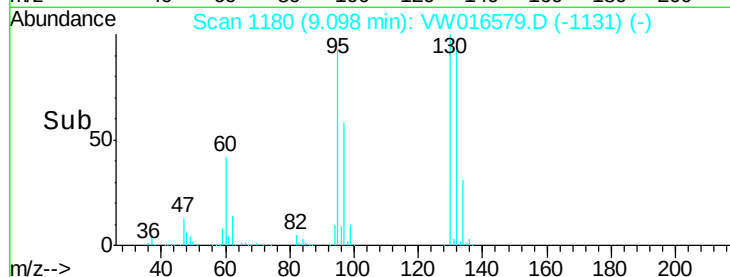
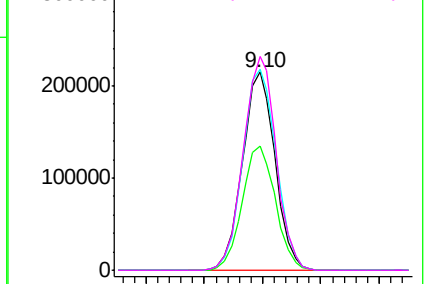


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#35

Methylcyclohexane

Concen: 50.467 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW016579.D

Acq: 18 Sep 2020 11:22

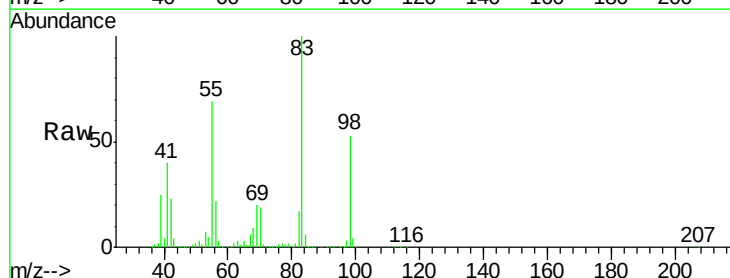
Tgt Ion: 83 Resp: 705378

Ion Ratio Lower Upper

83 100

55 69.4 55.9 83.9

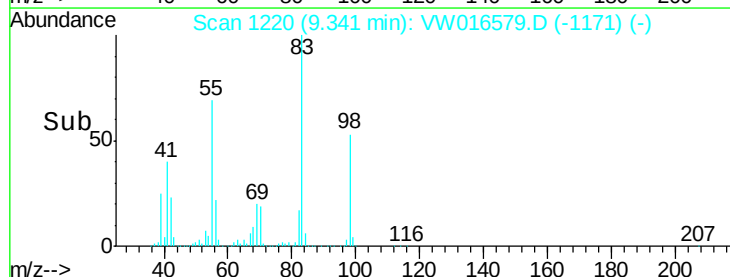
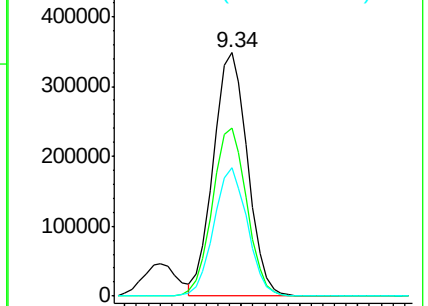
98 51.9 41.5 62.3

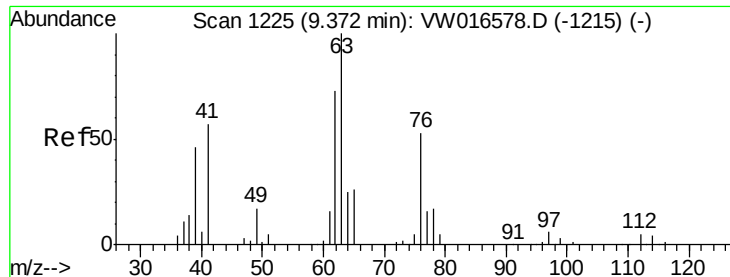


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

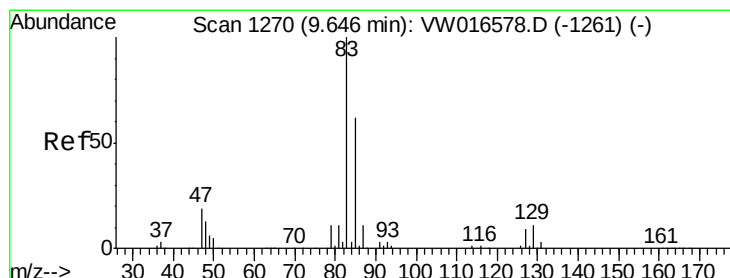
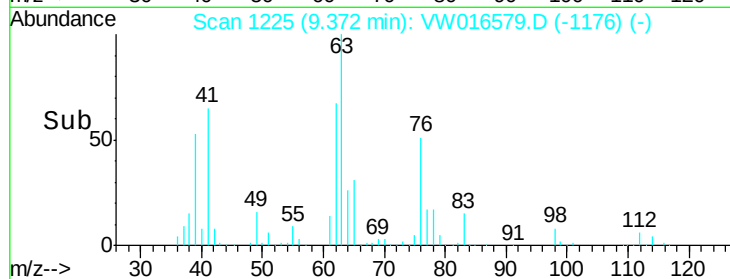
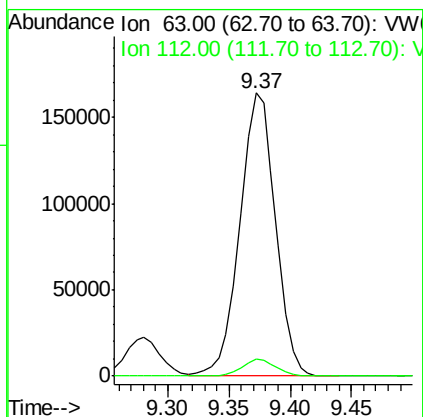
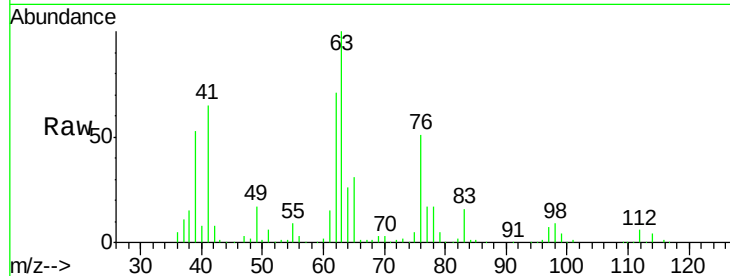




#37
 1,2-Dichloropropane
 Concen: 49.752 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016579.D
 Acq: 18 Sep 2020 11:22

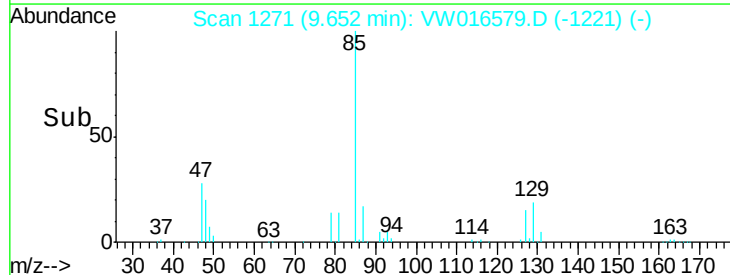
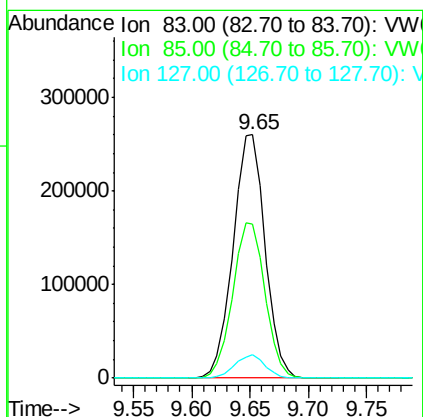
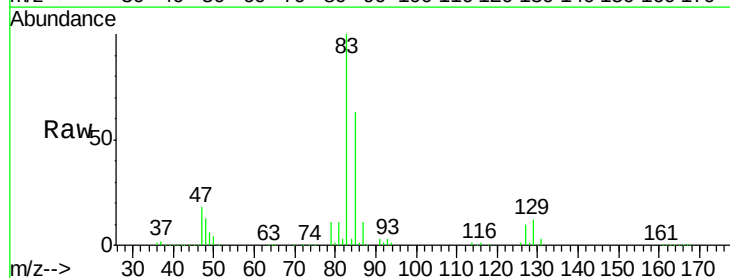
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD050102

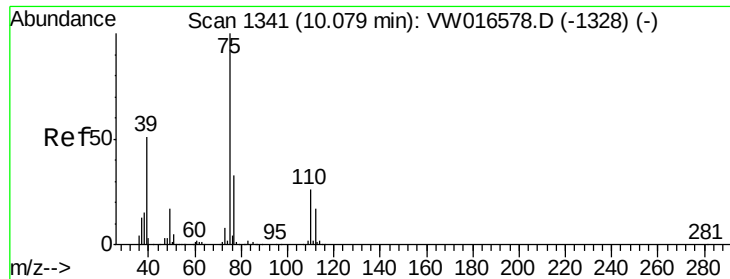
Tgt Ion: 63 Resp: 330918
 Ion Ratio Lower Upper
 63 100
 112 5.6 4.2 6.4



#38
 Bromodichloromethane
 Concen: 50.631 ug/L
 RT: 9.65 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VW016579.D
 Acq: 18 Sep 2020 11:22

Tgt Ion: 83 Resp: 499411
 Ion Ratio Lower Upper
 83 100
 85 63.4 43.7 81.1
 127 9.5 7.4 11.2

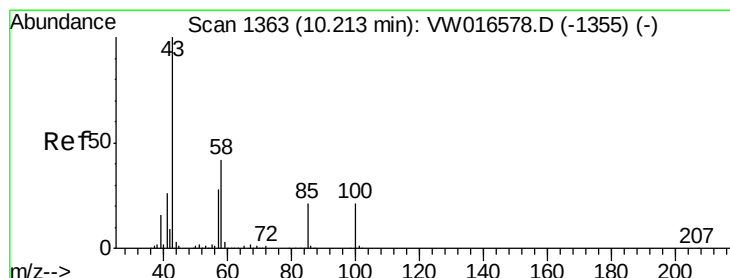
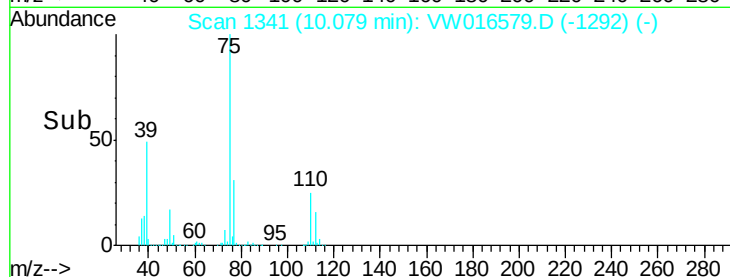
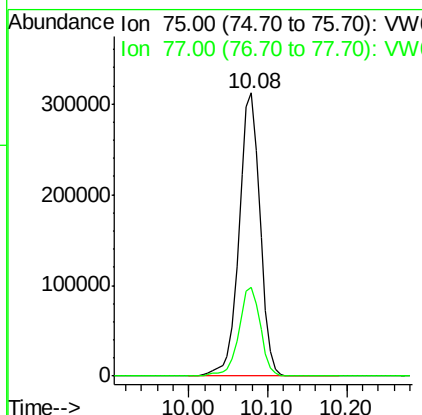
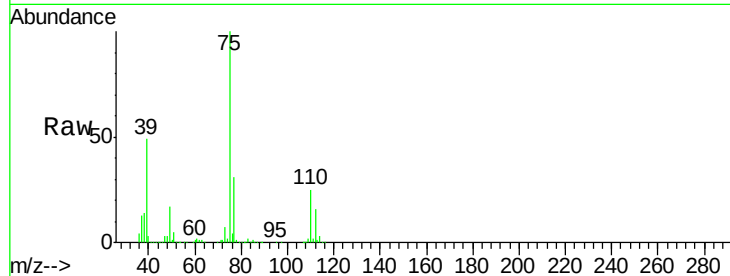




#39
 cis-1,3-Dichloropropene
 Concen: 50.863 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VW016579.D
 Acq: 18 Sep 2020 11:22

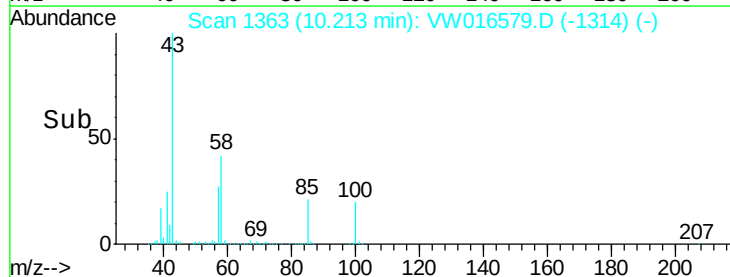
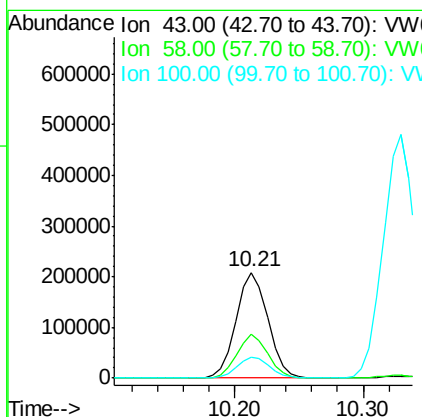
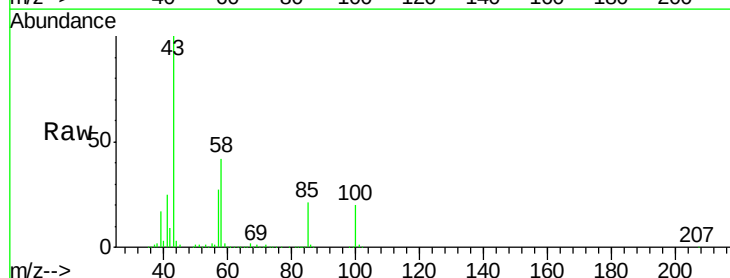
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050102

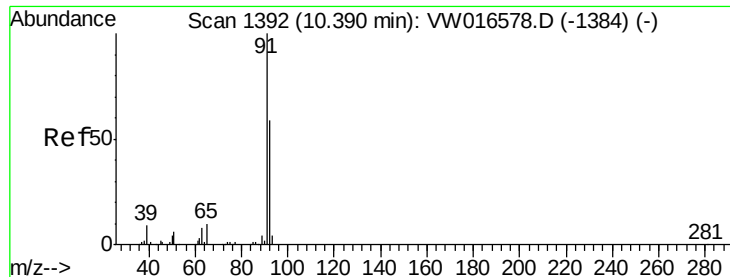
Tgt Ion: 75 Resp: 577491
 Ion Ratio Lower Upper
 75 100
 77 31.4 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 95.750 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016579.D
 Acq: 18 Sep 2020 11:22

Tgt Ion: 43 Resp: 356836
 Ion Ratio Lower Upper
 43 100
 58 40.7 33.0 49.4
 100 19.9 16.0 24.0





#42

Toluene

Concen: 50.127 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016579.D

Acq: 18 Sep 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

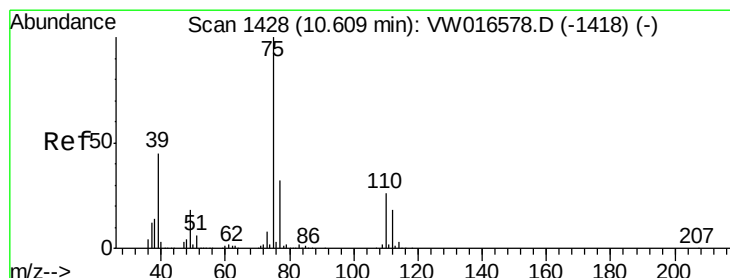
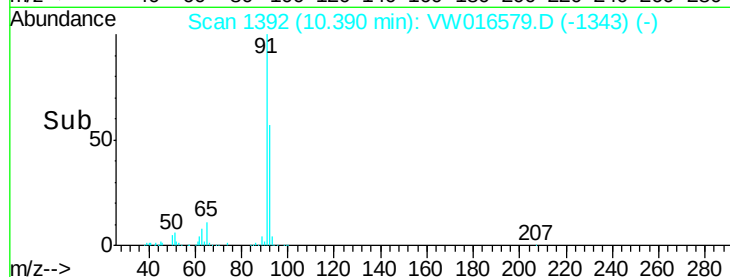
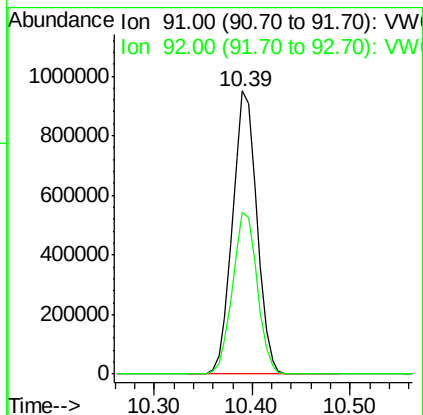
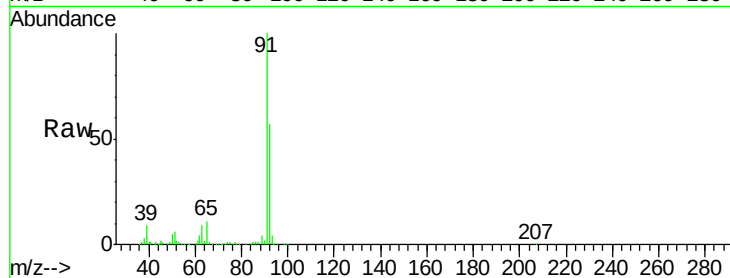
VSTD050102

Tgt Ion: 91 Resp: 1647332

Ion Ratio Lower Upper

91 100

92 57.3 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 50.930 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016579.D

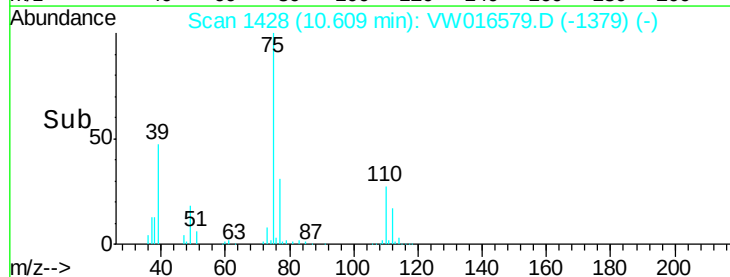
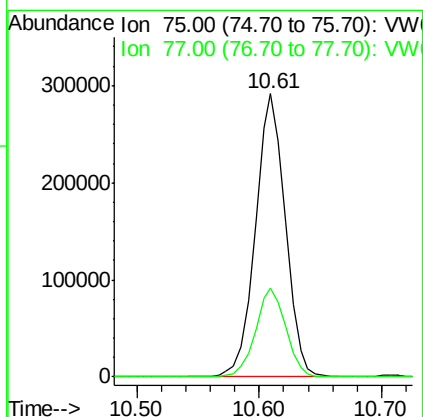
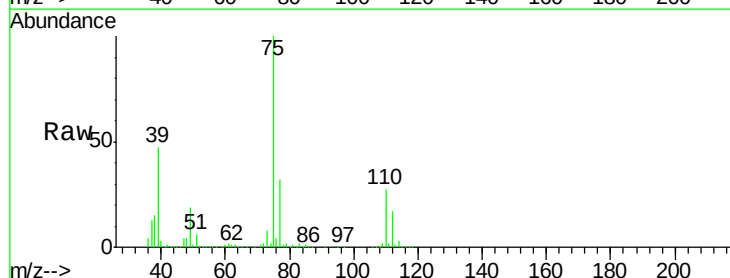
Acq: 18 Sep 2020 11:22

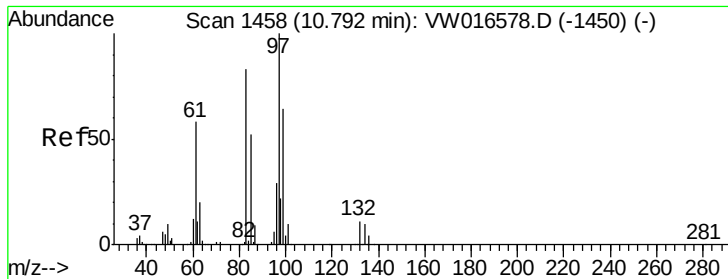
Tgt Ion: 75 Resp: 495952

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 49.634 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW016579.D

Acq: 18 Sep 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD050102

Tgt Ion: 97 Resp: 268138

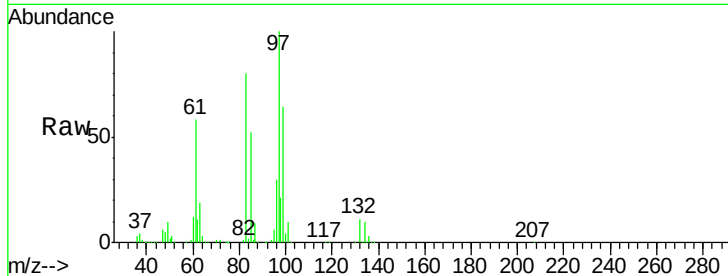
Ion Ratio Lower Upper

97 100

99 64.0 44.5 82.7

83 80.3 58.4 108.4

85 52.3 36.8 68.3

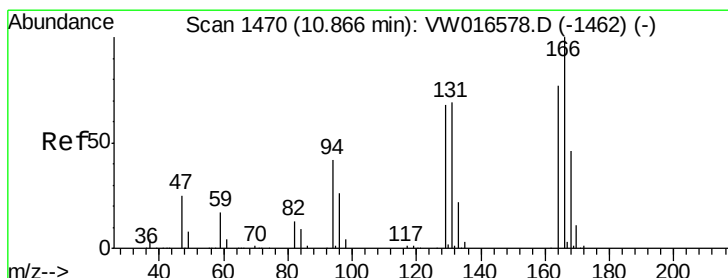
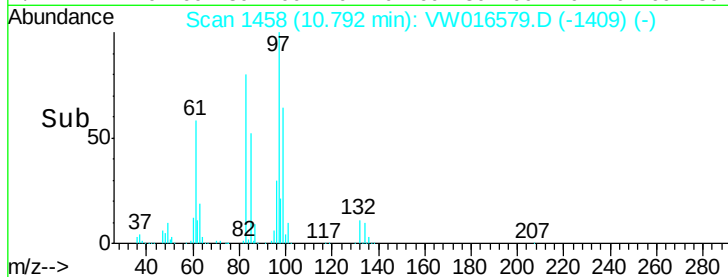
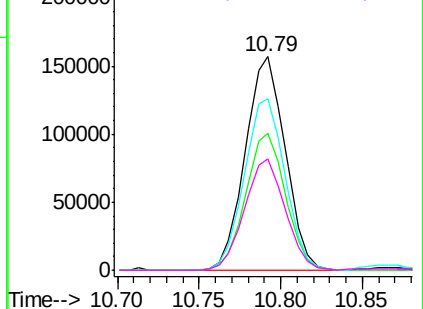


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#46

Tetrachloroethene

Concen: 49.644 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016579.D

Acq: 18 Sep 2020 11:22

Tgt Ion: 164 Resp: 374701

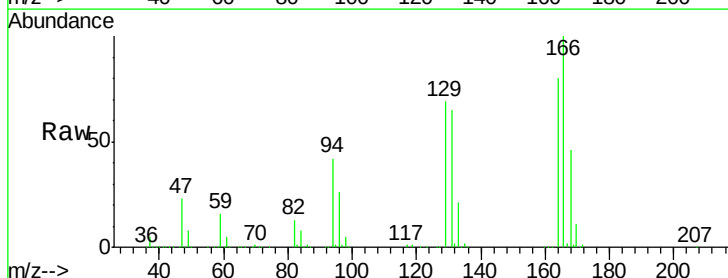
Ion Ratio Lower Upper

164 100

129 86.6 61.4 114.0

131 81.4 62.8 116.6

166 124.9 90.8 168.6

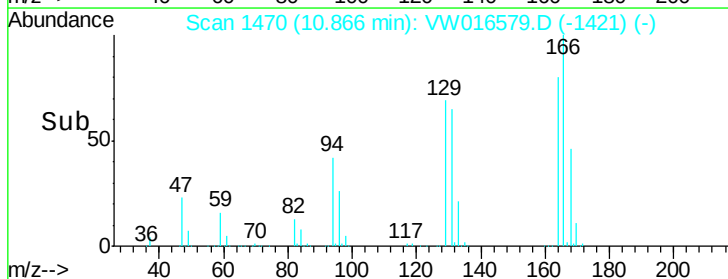
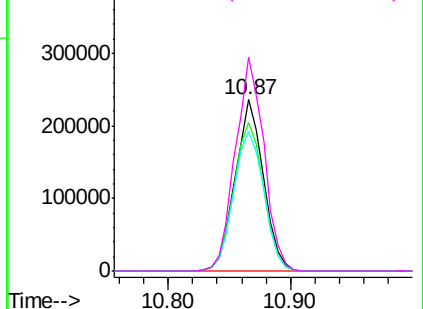


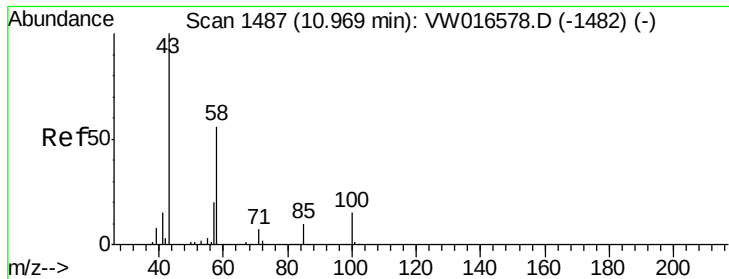
Abundance Ion 164.00 (163.70 to 164.70): V

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

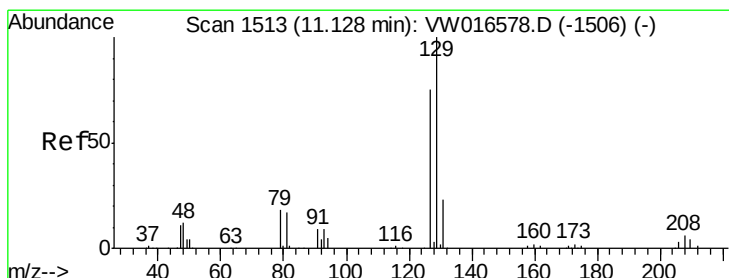
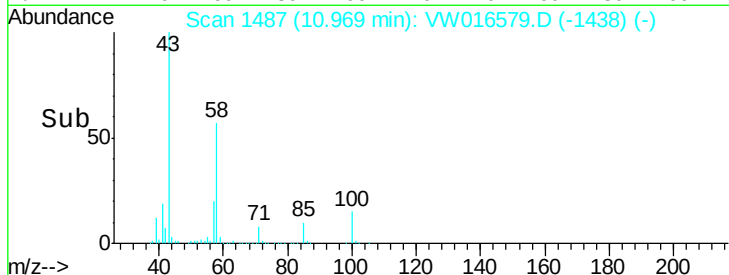
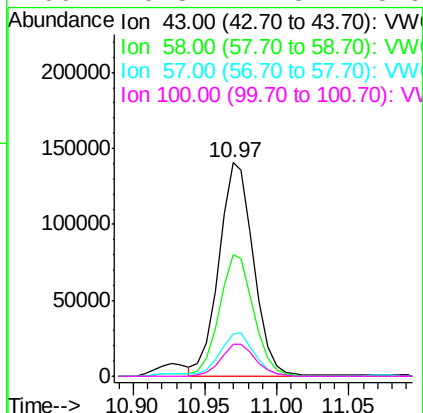
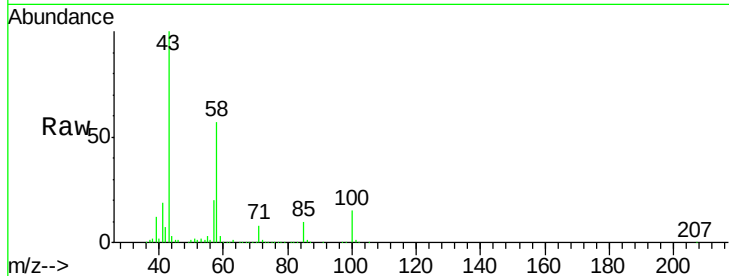




#48
2-Hexanone
Concen: 100.359 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016579.D
Acq: 18 Sep 2020 11:22

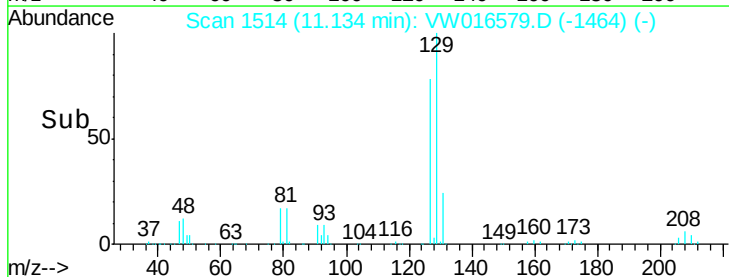
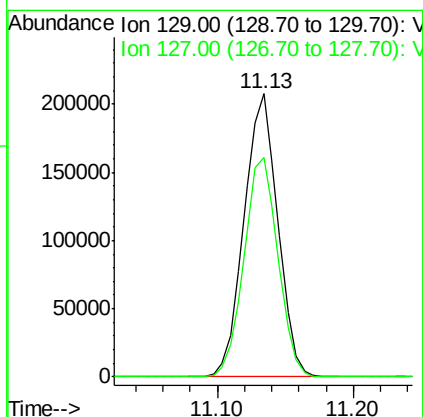
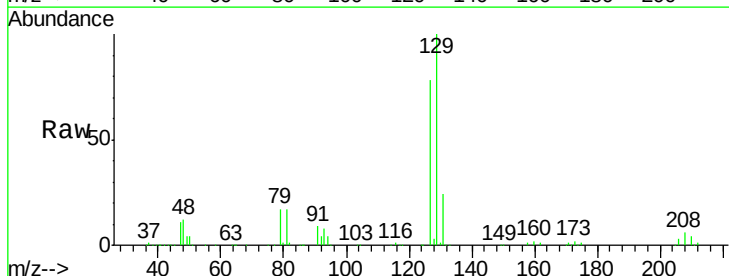
Instrument :
MSVOA_W
ClientSampleId :
VSTD050102

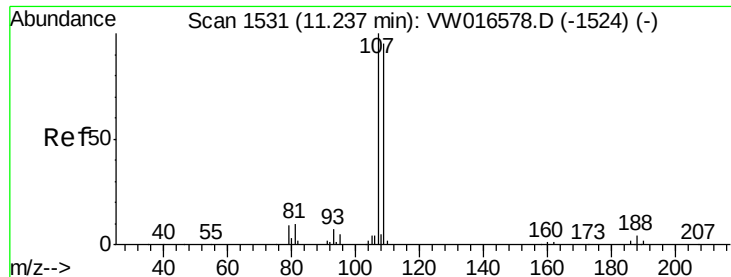
Tgt Ion:	43	Resp:	236051
Ion	Ratio	Lower	Upper
43	100		
58	56.4	45.9	68.9
57	20.3	16.6	24.8
100	15.3	12.3	18.5



#49
Dibromochloromethane
Concen: 50.833 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW016579.D
Acq: 18 Sep 2020 11:22

Tgt Ion:	129	Resp:	360465
Ion	Ratio	Lower	Upper
129	100		
127	77.6	52.5	97.5

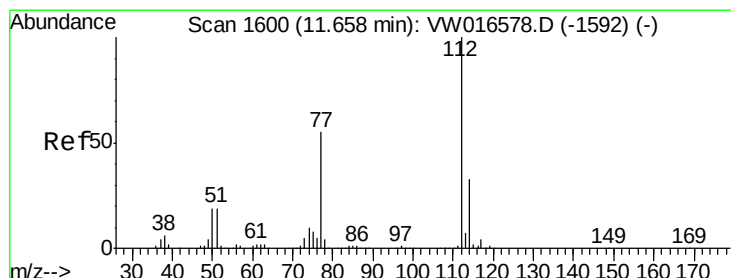
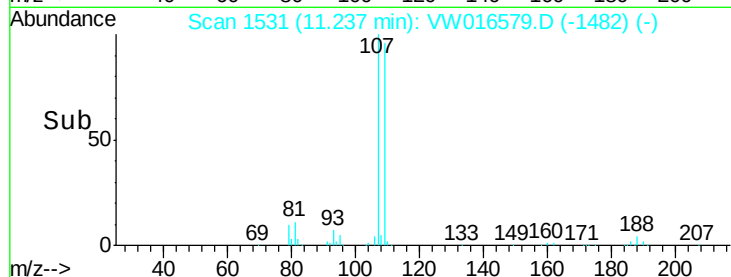
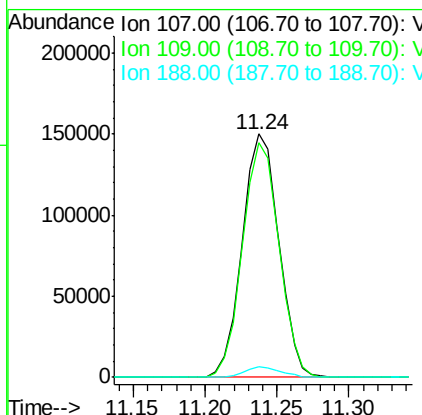
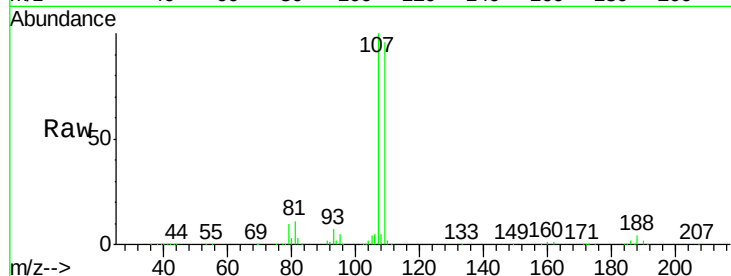




#50
1,2-Dibromoethane
Concen: 49.386 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016579.D
Acq: 18 Sep 2020 11:22

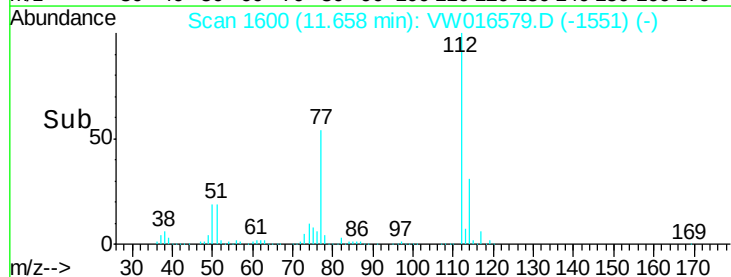
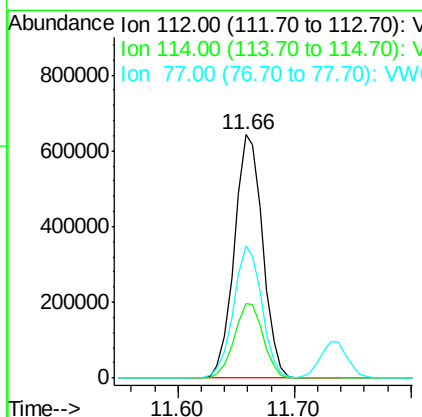
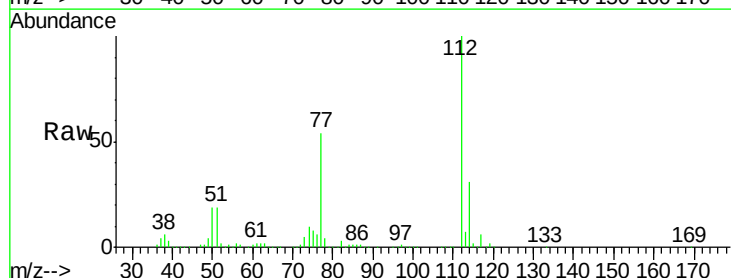
Instrument :
MSVOA_W
ClientSampleId :
VSTD050102

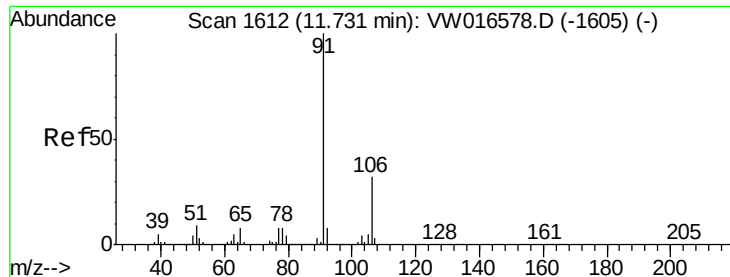
Tgt Ion:107 Resp: 264237
Ion Ratio Lower Upper
107 100
109 96.1 66.2 123.0
188 4.4 3.3 4.9



#51
Chlorobenzene
Concen: 49.883 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016579.D
Acq: 18 Sep 2020 11:22

Tgt Ion:112 Resp: 1087051
Ion Ratio Lower Upper
112 100
114 30.6 22.9 42.5
77 54.3 43.8 65.8





#52

Ethylbenzene

Concen: 50.280 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016579.D

Acq: 18 Sep 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

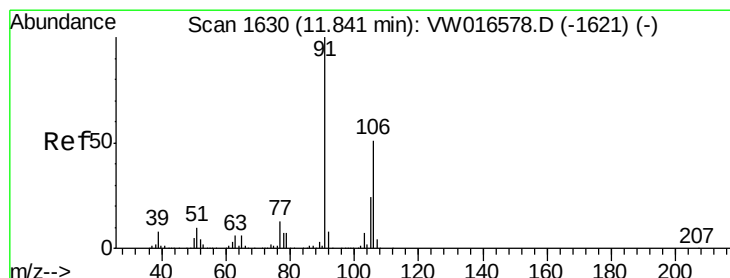
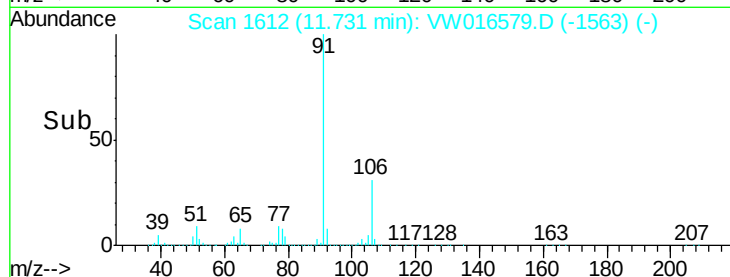
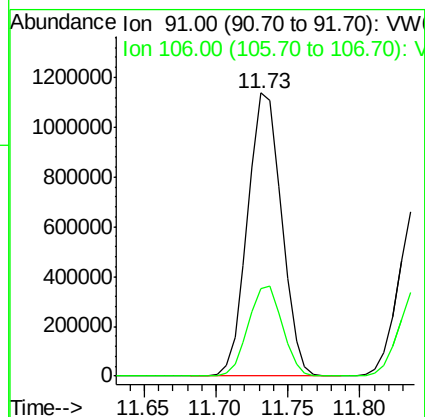
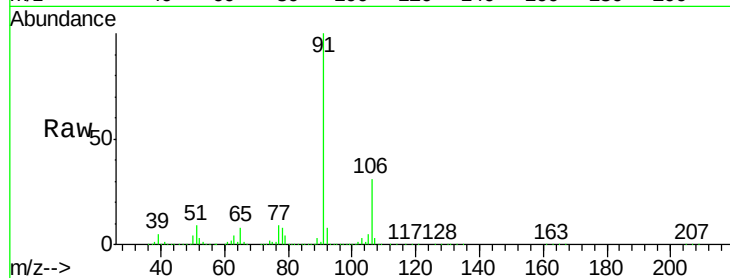
VSTD050102

Tgt Ion: 91 Resp: 1860414

Ion Ratio Lower Upper

91 100

106 31.1 22.0 41.0



#53

m,p-Xylene

Concen: 51.095 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016579.D

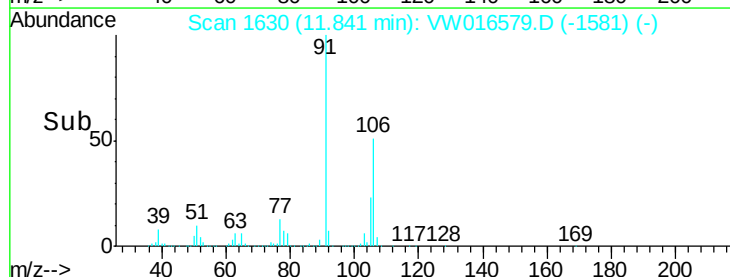
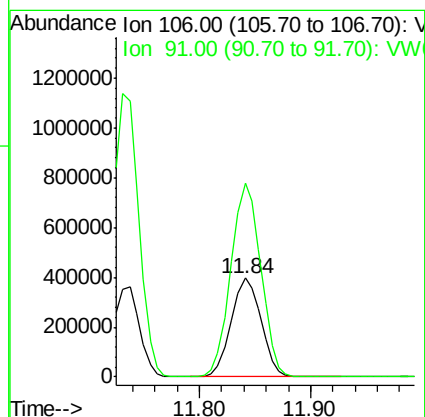
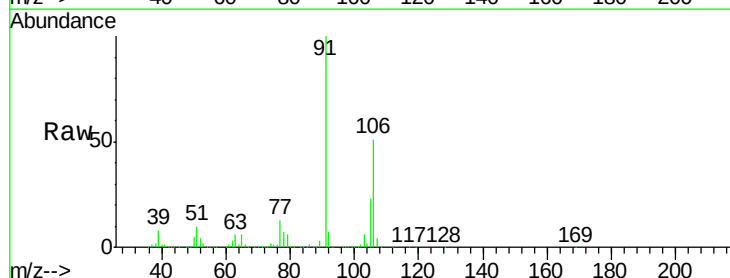
Acq: 18 Sep 2020 11:22

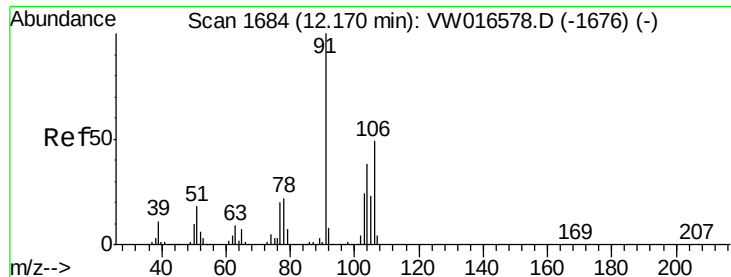
Tgt Ion: 106 Resp: 736507

Ion Ratio Lower Upper

106 100

91 196.9 136.2 252.9

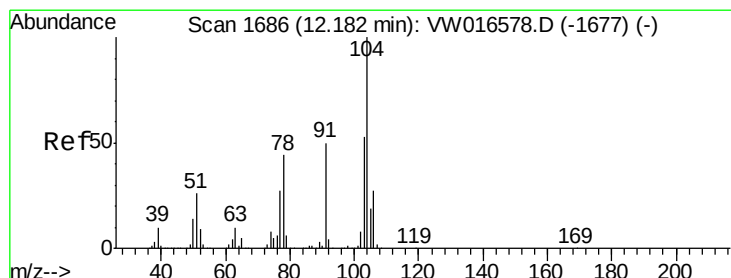
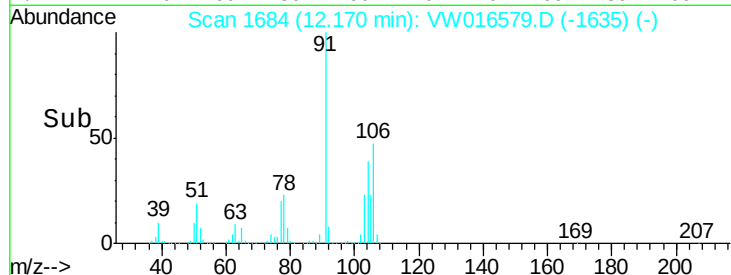
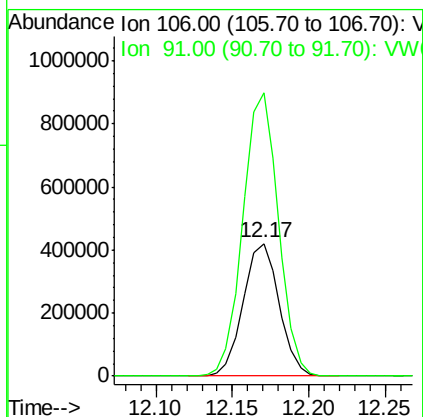
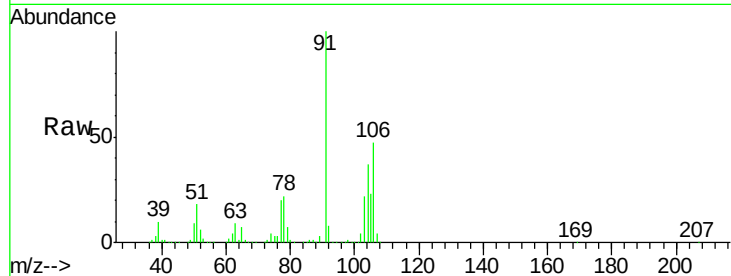




#54
o-Xylene
Concen: 50.370 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016579.D
Acq: 18 Sep 2020 11:22

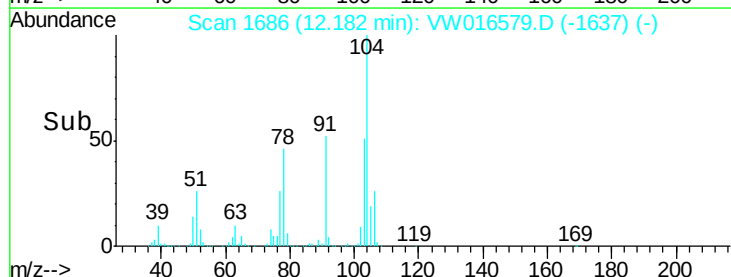
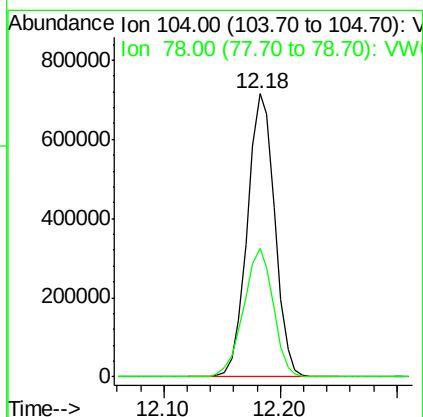
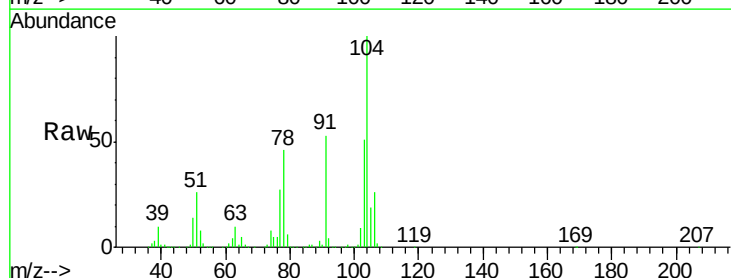
Instrument :
MSVOA_W
ClientSampled :
VSTD050102

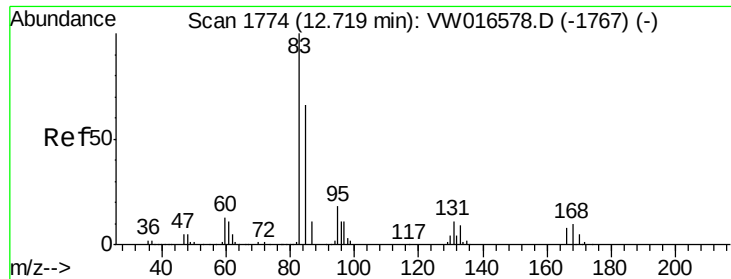
Tgt Ion:106 Resp: 687205
Ion Ratio Lower Upper
106 100
91 213.6 143.4 266.2



#55
Styrene
Concen: 51.840 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016579.D
Acq: 18 Sep 2020 11:22

Tgt Ion:104 Resp: 1177627
Ion Ratio Lower Upper
104 100
78 45.6 31.1 57.9

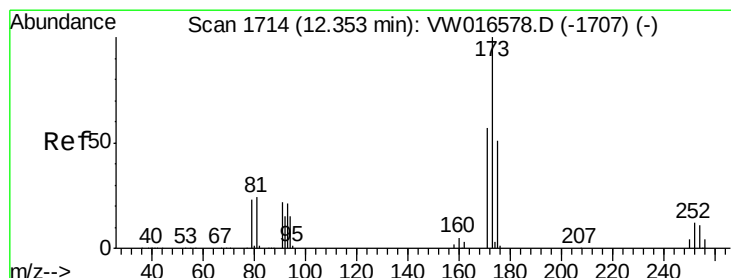
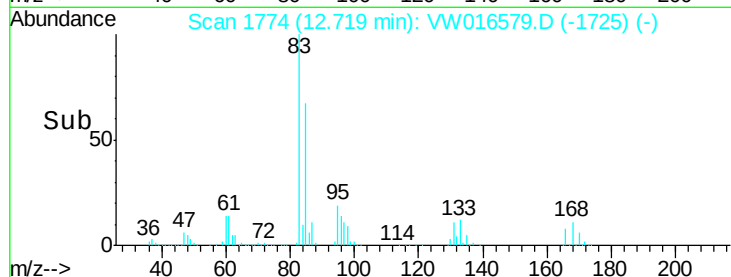
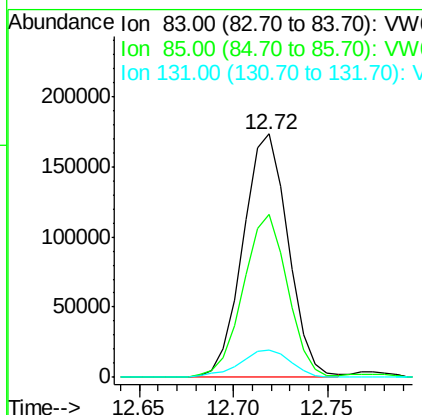
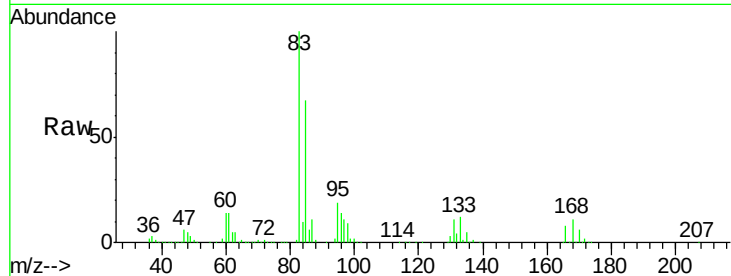




#57
 1,1,2,2-Tetrachloroethane
 Concen: 49.590 ug/L
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW016579.D
 Acq: 18 Sep 2020 11:22

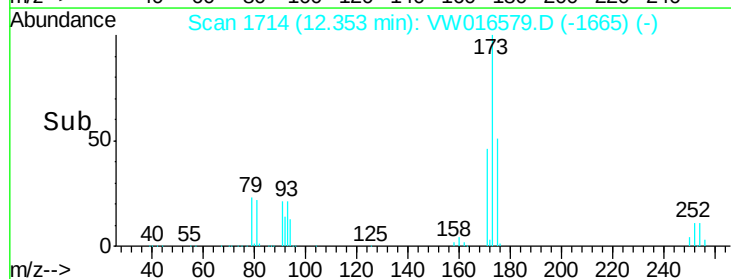
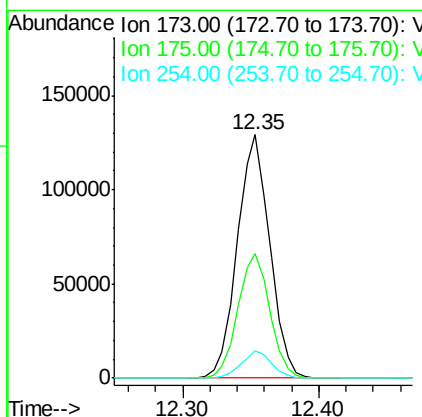
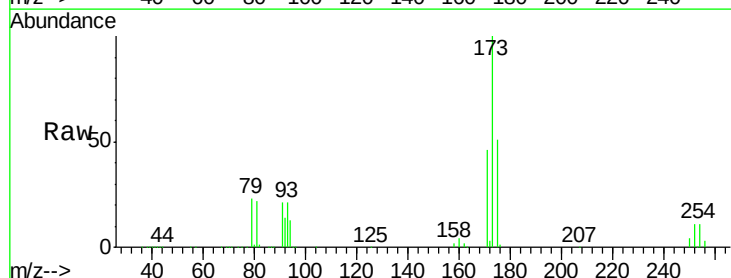
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050102

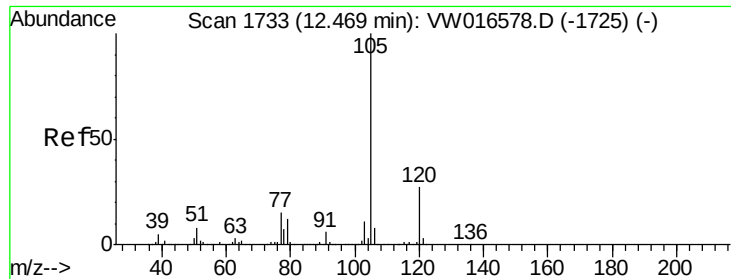
Tgt Ion: 83 Resp: 288440
 Ion Ratio Lower Upper
 83 100
 85 67.0 46.3 85.9
 131 11.0 9.3 13.9



#59
 Bromoform
 Concen: 50.817 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW016579.D
 Acq: 18 Sep 2020 11:22

Tgt Ion: 173 Resp: 214364
 Ion Ratio Lower Upper
 173 100
 175 50.5 39.7 59.5
 254 10.7 8.2 12.2





#60

Isopropylbenzene

Concen: 50.146 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016579.D

Acq: 18 Sep 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD050102

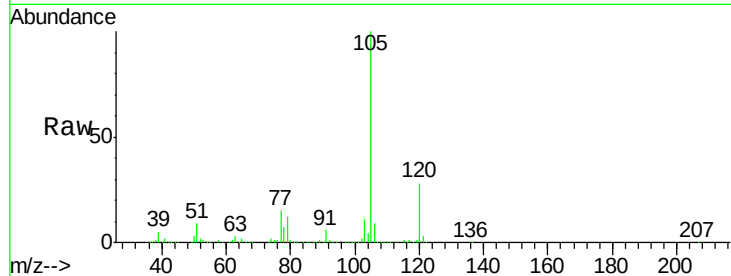
Tgt Ion: 105 Resp: 1913135

Ion Ratio Lower Upper

105 100

120 26.9 21.8 32.8

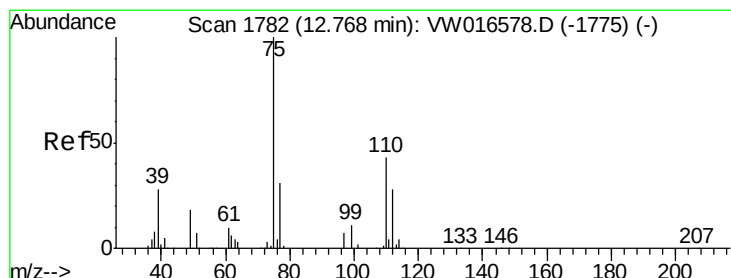
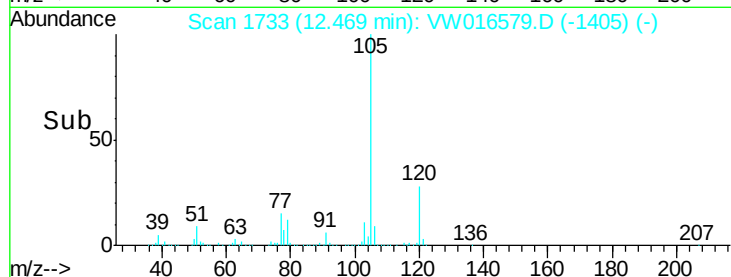
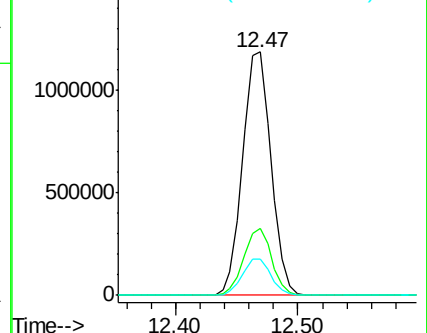
77 15.0 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 48.590 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW016579.D

Acq: 18 Sep 2020 11:22

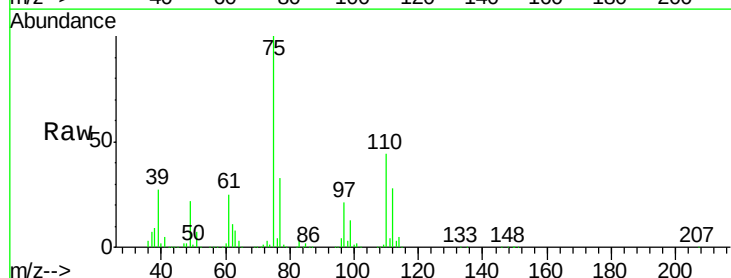
Tgt Ion: 75 Resp: 209238

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.8

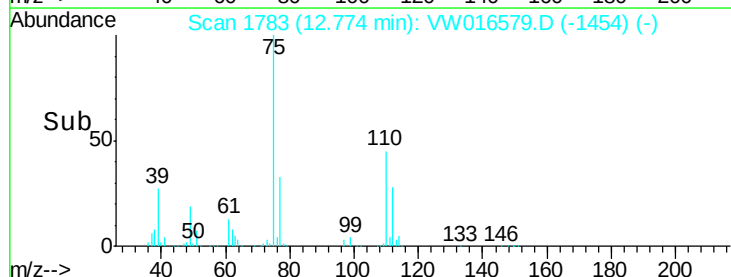
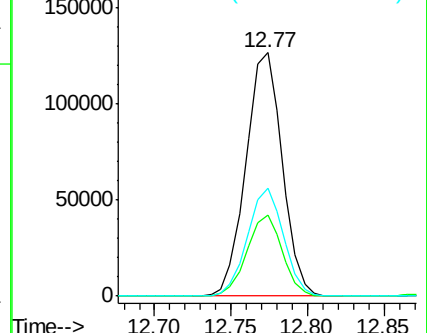
110 44.0 35.8 53.8

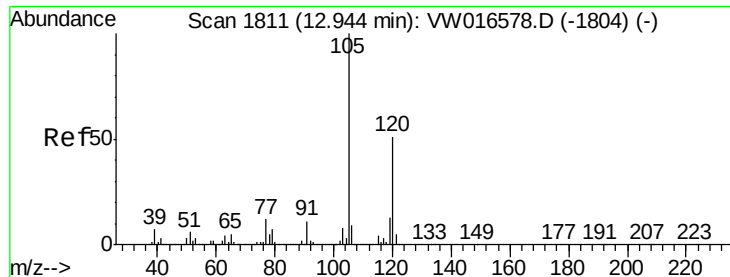


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 110.00 (109.70 to 110.70): V

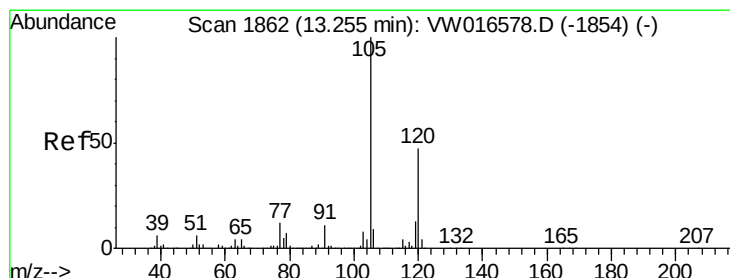
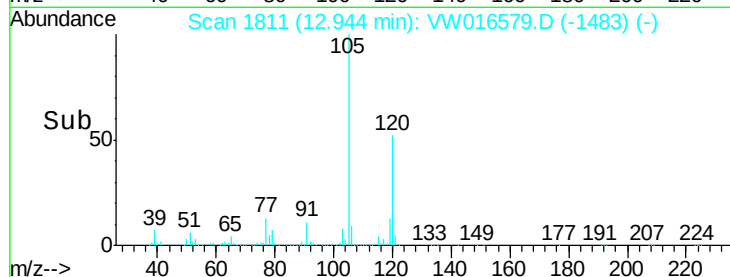
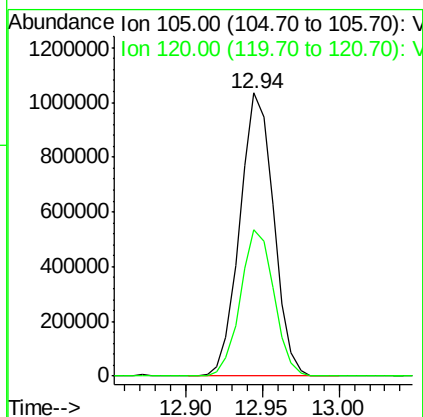
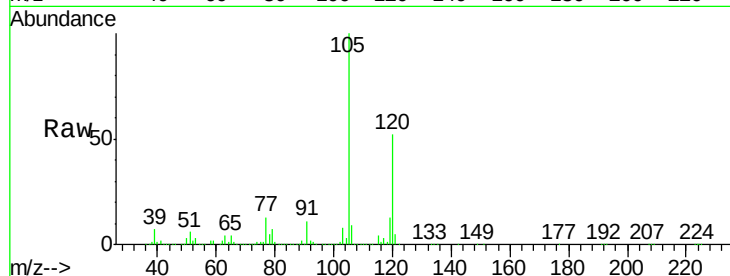




#62
 1,3,5-Trimethylbenzene
 Concen: 50.571 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW016579.D
 Acq: 18 Sep 2020 11:22

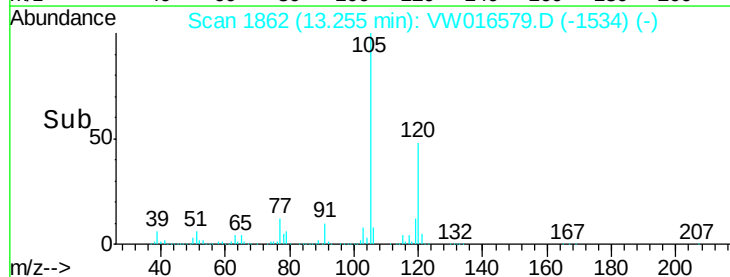
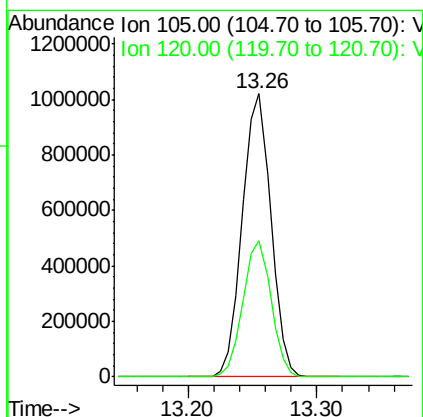
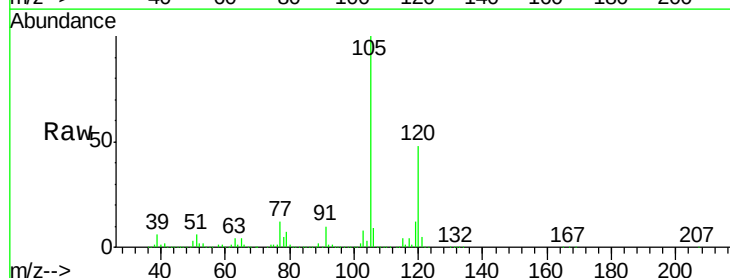
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050102

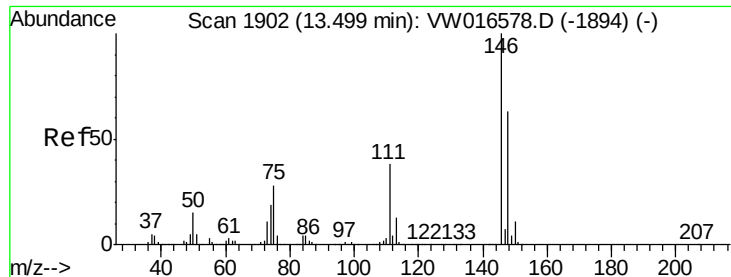
Tgt Ion:105 Resp: 1587713
 Ion Ratio Lower Upper
 105 100
 120 51.3 39.8 59.8



#63
 1,2,4-Trimethylbenzene
 Concen: 50.166 ug/L
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW016579.D
 Acq: 18 Sep 2020 11:22

Tgt Ion:105 Resp: 1565417
 Ion Ratio Lower Upper
 105 100
 120 47.5 36.4 54.6

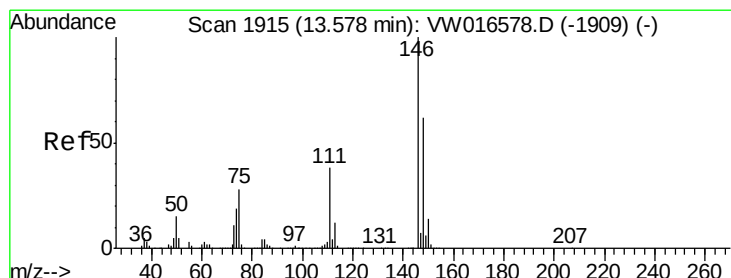
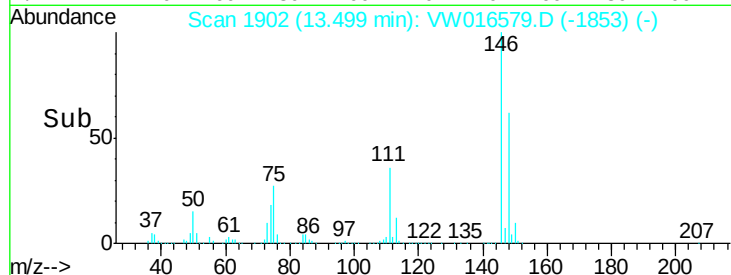
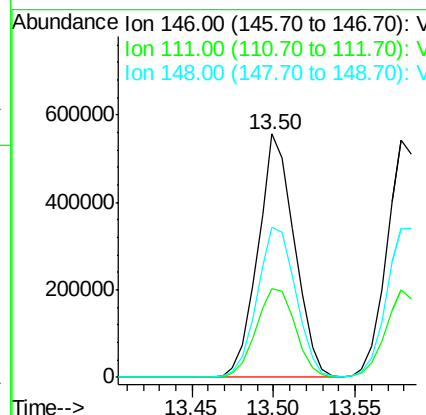
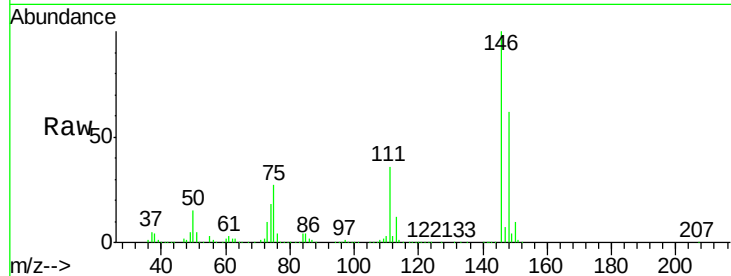




#64
 1,3-Dichlorobenzene
 Concen: 49.292 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016579.D
 Acq: 18 Sep 2020 11:22

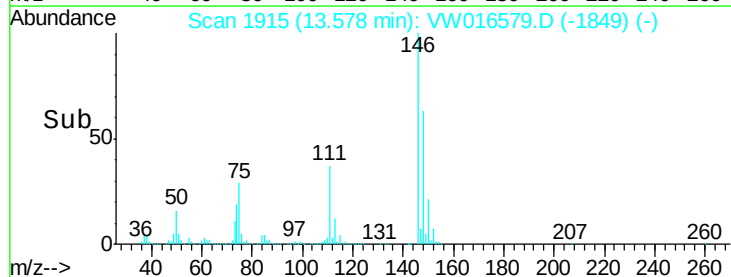
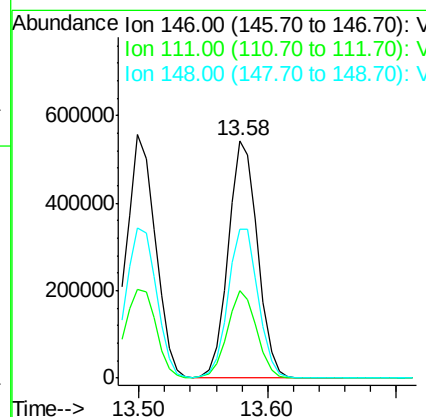
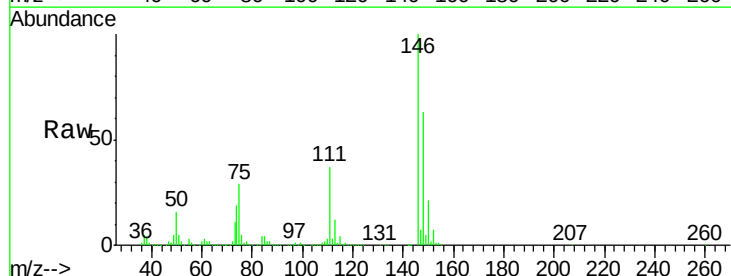
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050102

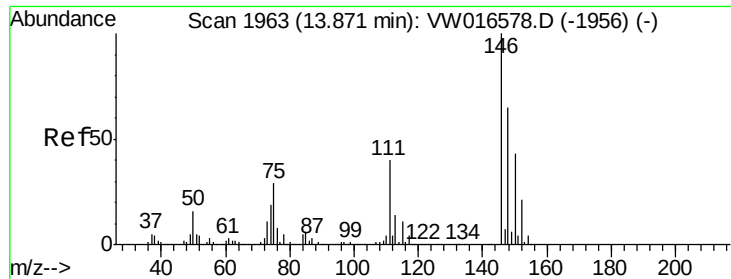
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	26.5	49.3
148	61.9	44.0	81.8



#65
 1,4-Dichlorobenzene
 Concen: 50.487 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016579.D
 Acq: 18 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	26.5	49.3
148	62.9	43.8	81.4

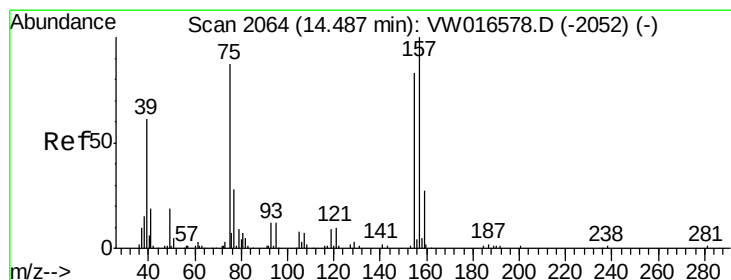
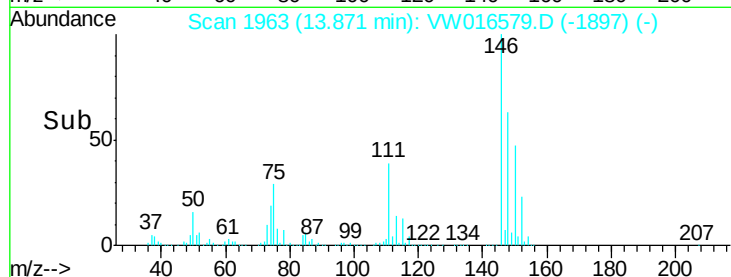
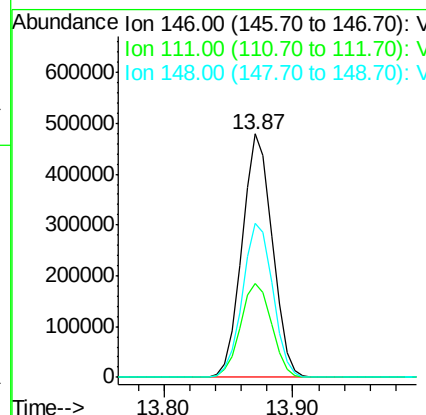
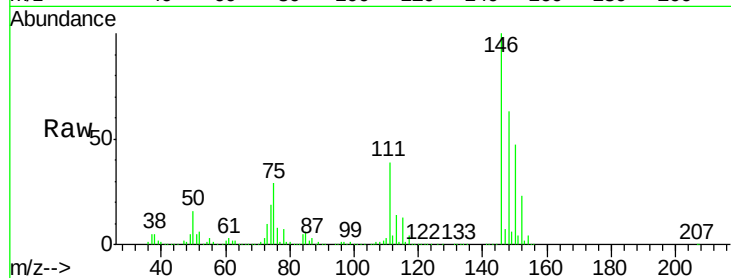




#67
 1,2-Dichlorobenzene
 Concen: 50.079 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016579.D
 Acq: 18 Sep 2020 11:22

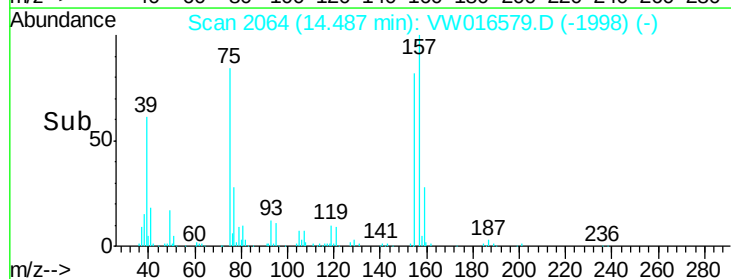
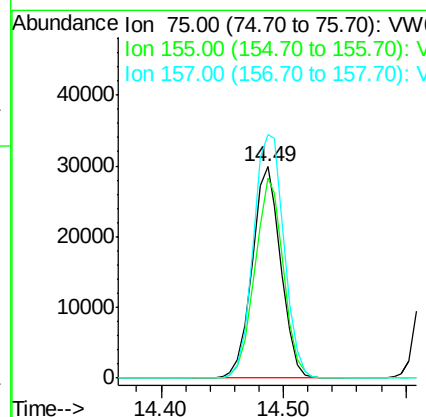
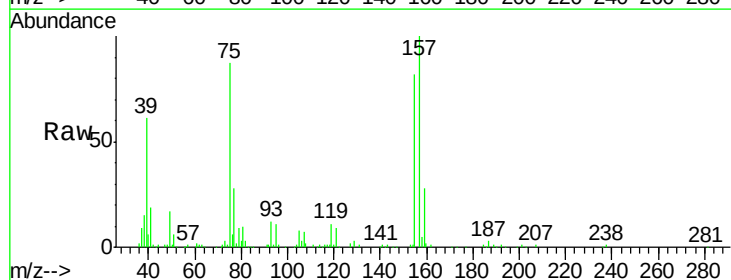
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050102

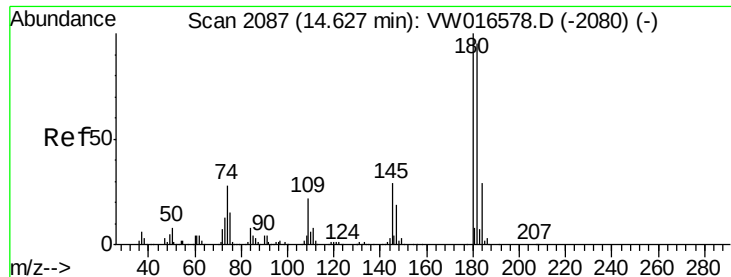
Tgt Ion: 146 Resp: 775758
 Ion Ratio Lower Upper
 146 100
 111 38.8 32.4 48.6
 148 63.3 52.2 78.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 47.979 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016579.D
 Acq: 18 Sep 2020 11:22

Tgt Ion: 75 Resp: 48565
 Ion Ratio Lower Upper
 75 100
 155 94.8 76.6 115.0
 157 115.3 92.0 138.0

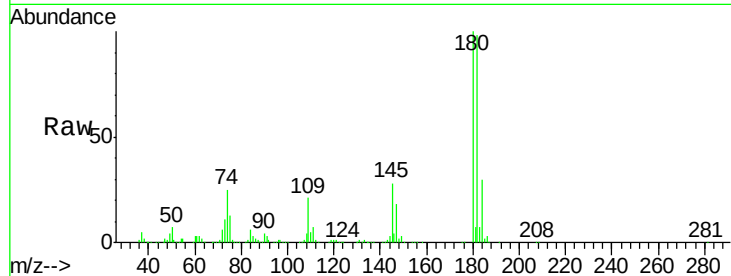




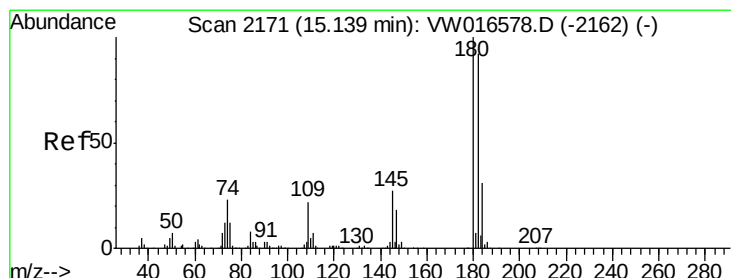
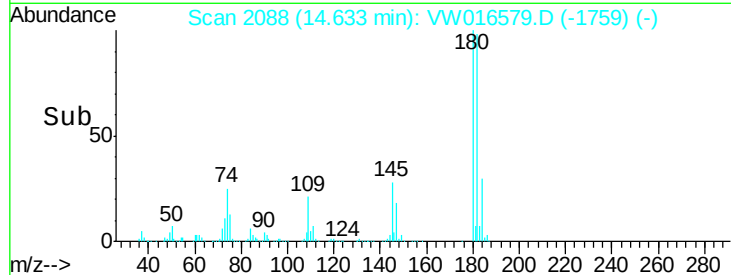
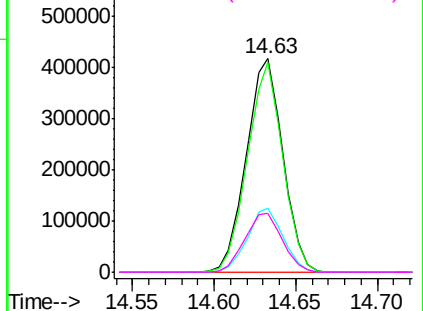
#69
 1,3,5-Trichlorobenzene
 Concen: 50.309 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016579.D
 Acq: 18 Sep 2020 11:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050102

Tgt Ion:	180	Resp:	650156
Ion	Ratio	Lower	Upper
180	100		
182	94.8	79.0	118.4
184	29.6	24.6	36.8
145	28.3	23.2	34.8

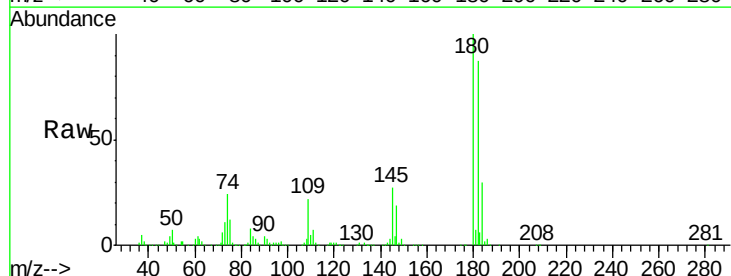


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

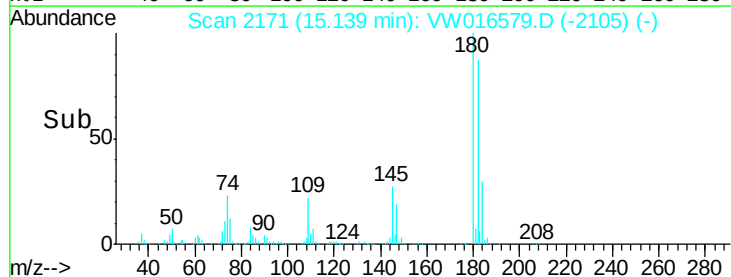
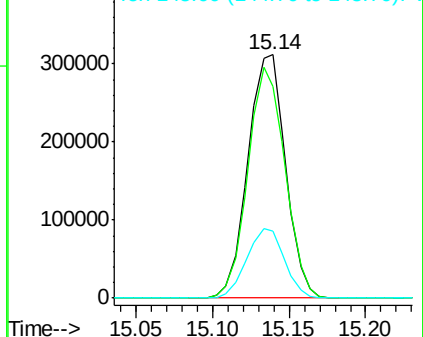


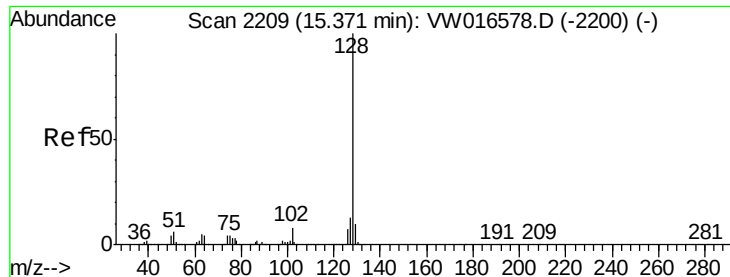
#70
 1,2,4-trichlorobenzene
 Concen: 51.381 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW016579.D
 Acq: 18 Sep 2020 11:22

Tgt Ion:	180	Resp:	536272
Ion	Ratio	Lower	Upper
180	100		
182	93.4	76.1	114.1
145	28.6	24.1	36.1



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

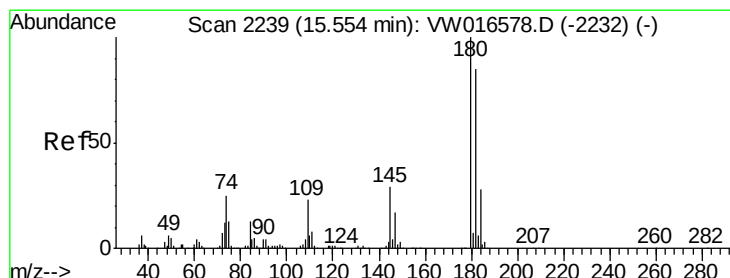
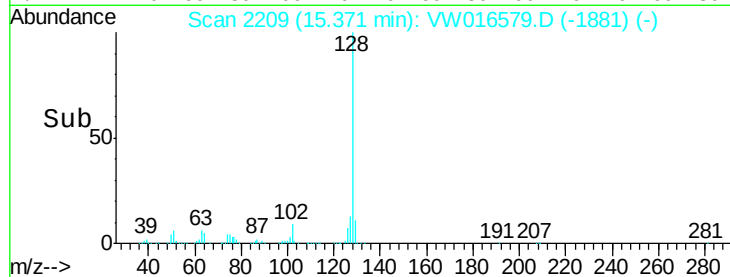
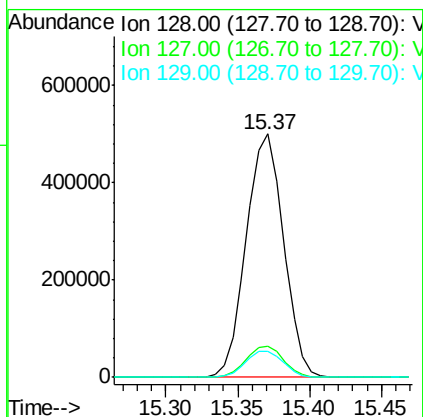
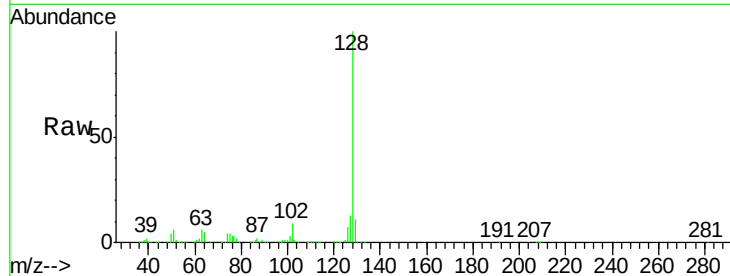




#71
Naphthalene
Concen: 51.367 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW016579.D
Acq: 18 Sep 2020 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD050102

Tgt Ion:128 Resp: 899713
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.9 9.0 13.4



#72
1,2,3-Trichlorobenzene
Concen: 48.879 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW016579.D
Acq: 18 Sep 2020 11:22

Tgt Ion:180 Resp: 428348
Ion Ratio Lower Upper
180 100
182 99.9 75.5 113.3
145 32.2 24.3 36.5

