

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW123020\
 Data File : VW017778.D
 Acq On : 30 Dec 2020 12:29
 Operator : SY/VA
 Sample : VSTD10001
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

Quant Time: Dec 30 13:01:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM123020SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 30 12:27:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	314505	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	299362	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	165008	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	505952	102.52	ug/L	0.00
7) Chloroethane-d5	2.88	69	448396	105.08	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.03	63	847354	96.27	ug/L	0.00
21) 2-Butanone-d5	7.07	46	257876	232.15	ug/L	0.00
24) Chloroform-d	7.65	84	842991	96.25	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	476841	97.57	ug/L	0.00
32) Benzene-d6	8.27	84	1647809	96.57	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.27	67	462487	94.24	ug/L	0.00
41) Toluene-d8	10.32	98	1639381	100.21	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.58	79	245580	102.99	ug/L	0.00
47) 2-Hexanone-d5	10.93	63	199844	245.92	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.69	84	479327	109.64	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.85	152	574134	98.15	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	373746	101.104	ug/L	97
3) Chloromethane	2.21	50	344513	106.381	ug/L	98
5) Vinyl chloride	2.37	62	524386	97.605	ug/L	99
6) Bromomethane	2.77	94	524388	113.388	ug/L	96
8) Chloroethane	2.92	64	362245	102.252	ug/L	97
9) Trichlorofluoromethane	3.26	101	372398	98.306	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	403111	97.202	ug/L	99
12) 1,1-Dichloroethene	4.04	96	390026	98.751	ug/L	89
13) Acetone	4.12	43	162475	205.248	ug/L	97
14) Carbon disulfide	4.38	76	1176105	96.622	ug/L	99
15) Methyl Acetate	4.67	43	203686	108.619	ug/L	99
16) Methylene chloride	4.92	84	392813	79.273	ug/L	98
17) trans-1,2-Dichloroethene	5.42	96	424283	96.589	ug/L	96
18) Methyl tert-butyl Ether	5.43	73	516221	90.742	ug/L	98
19) 1,1-Dichloroethane	6.21	63	734035	95.116	ug/L	100
20) cis-1,2-Dichloroethene	7.17	96	453671	96.303	ug/L	96
22) 2-Butanone	7.16	43	274754	221.724	ug/L	99
23) Bromochloromethane	7.51	128	206185	96.631	ug/L	96
25) Chloroform	7.67	83	783156	96.179	ug/L	100
27) 1,2-Dichloroethane	8.40	62	548429	96.305	ug/L	99
29) Cyclohexane	7.96	56	703559	96.567	ug/L	99
30) 1,1,1-Trichloroethane	7.87	97	674732	96.430	ug/L	98
31) Carbon tetrachloride	8.07	117	657798	98.365	ug/L	99
33) Benzene	8.32	78	1687259	94.494	ug/L	100
34) Trichloroethene	9.09	95	465146	96.009	ug/L	93
35) Methylcyclohexane	9.34	83	822329	98.929	ug/L	98
37) 1,2-Dichloropropane	9.37	63	406507	93.755	ug/L	99
38) Bromodichloromethane	9.65	83	601083	98.639	ug/L	95
39) cis-1,3-Dichloropropene	10.07	75	715957	101.279	ug/L	98
40) 4-Methyl-2-pentanone	10.21	43	618848	230.099	ug/L	99

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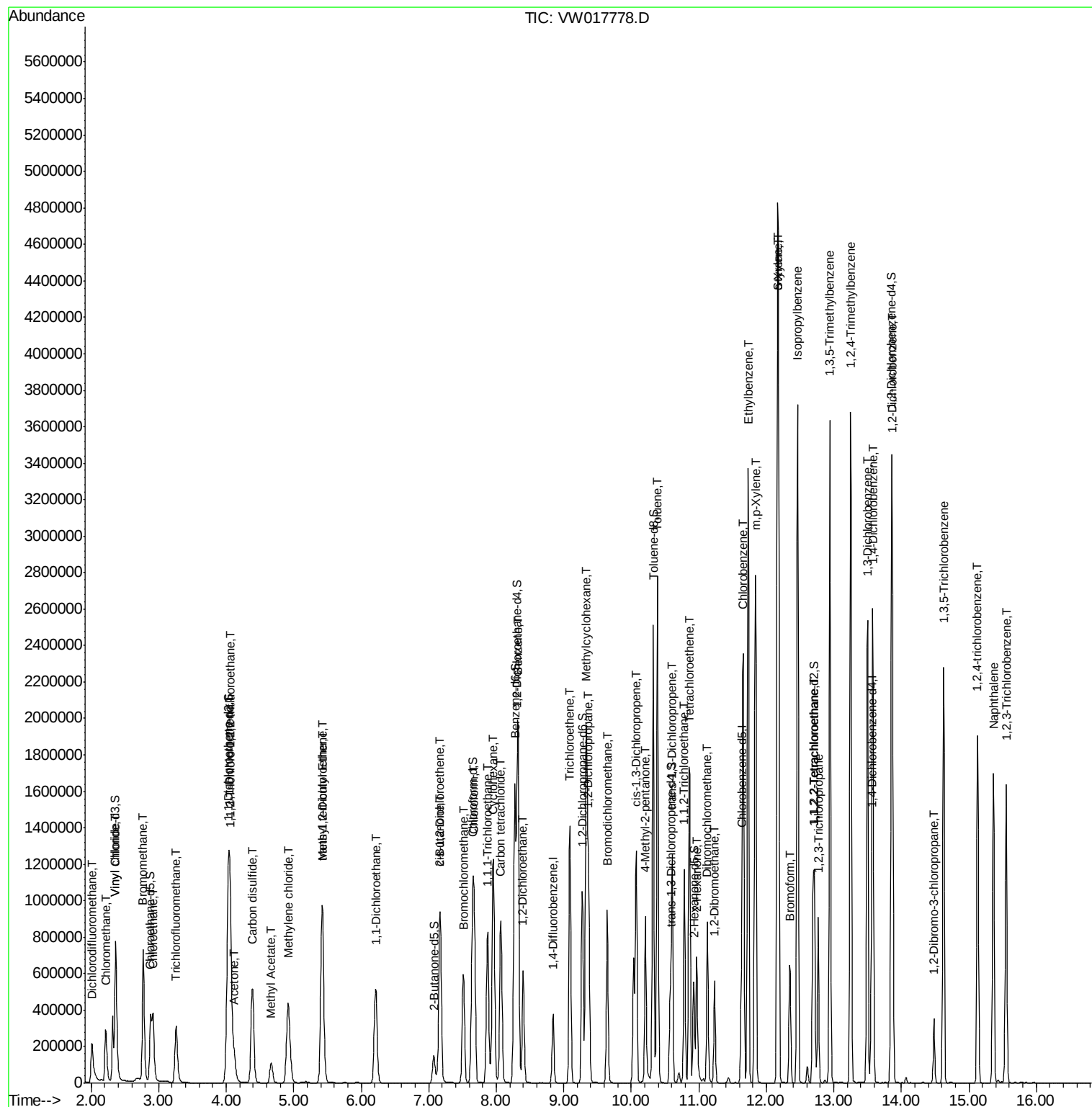
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.39	91	2028125	100.634	ug/L	96
44) trans-1,3-Dichloropropene	10.60	75	662425	103.665	ug/L	98
45) 1,1,2-Trichloroethane	10.79	97	351305	100.777	ug/L	99
46) Tetrachloroethene	10.87	164	364365	97.823	ug/L	94
48) 2-Hexanone	10.97	43	442449	237.825	ug/L	97
49) Dibromochloromethane	11.13	129	437030	105.881	ug/L	96
50) 1,2-Dibromoethane	11.24	107	360097	105.424	ug/L	98
51) Chlorobenzene	11.66	112	1265237	99.525	ug/L	96
52) Ethylbenzene	11.73	91	2302170	100.587	ug/L	98
53) m,p-Xylene	11.84	106	923866	105.043	ug/L	95
54) o-Xylene	12.16	106	865911	103.041	ug/L	96
55) Styrene	12.18	104	1520709	106.310	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.71	83	456432	107.509	ug/L	98
59) Bromoform	12.35	173	282634	118.009	ug/L	98
60) Isopropylbenzene	12.46	105	2414738	100.459	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	341787	101.113	ug/L	97
62) 1,3,5-Trimethylbenzene	12.94	105	1945687	99.450	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	1980532	99.622	ug/L	97
64) 1,3-Dichlorobenzene	13.50	146	1030744	98.836	ug/L	96
65) 1,4-Dichlorobenzene	13.58	146	995862	96.352	ug/L	99
67) 1,2-Dichlorobenzene	13.87	146	906070	95.751	ug/L	96
68) 1,2-Dibromo-3-chloropropan	14.49	75	86911	111.961	ug/L #	83
69) 1,3,5-Trichlorobenzene	14.63	180	653105	91.994	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	573394	93.604	ug/L	98
71) Naphthalene	15.36	128	1442365	108.666	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	517216	96.526	ug/L	98

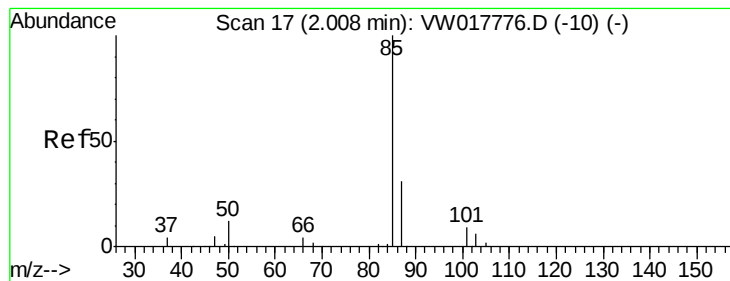
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 101.104 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA_W

ClientSampled :

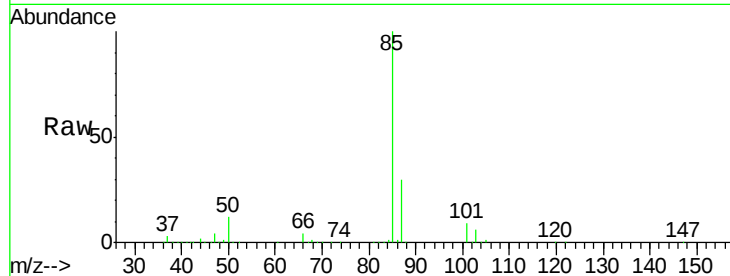
VSTD10001

Tgt Ion: 85 Resp: 373746

Ion Ratio Lower Upper

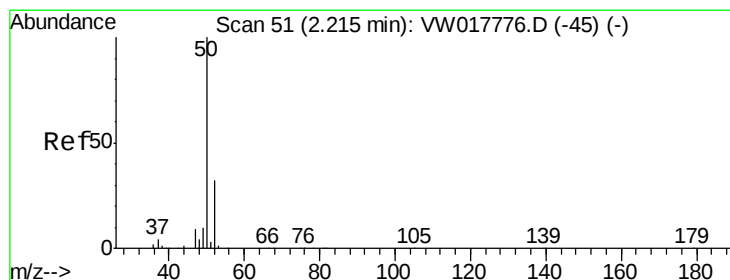
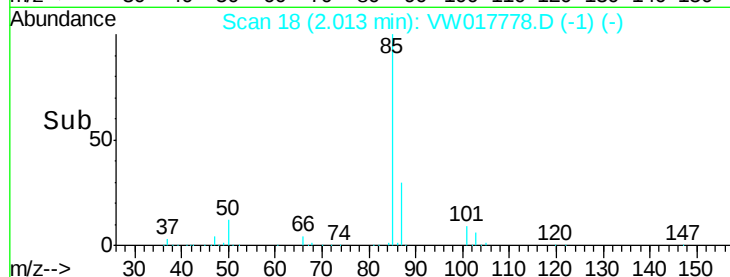
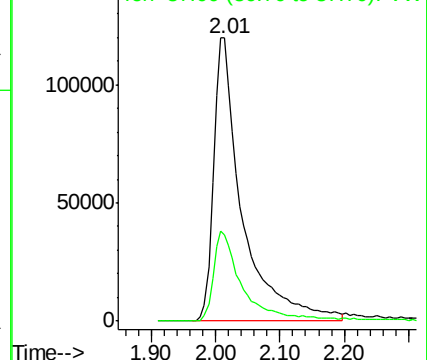
85 100

87 30.6 23.3 34.9



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 106.381 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW017778.D

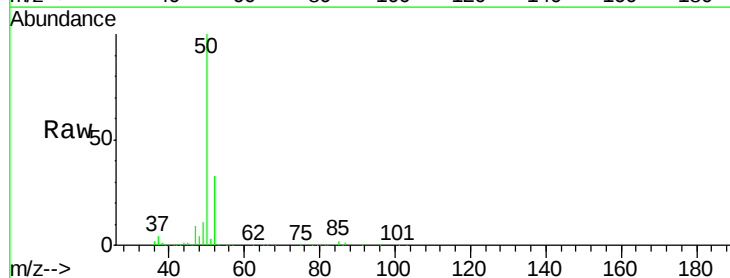
Acq: 30 Dec 2020 12:29

Tgt Ion: 50 Resp: 344513

Ion Ratio Lower Upper

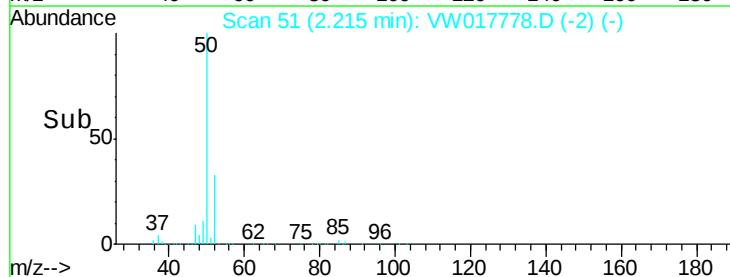
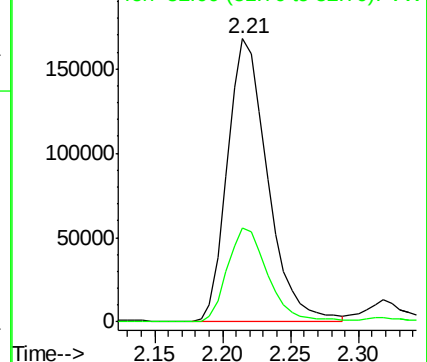
50 100

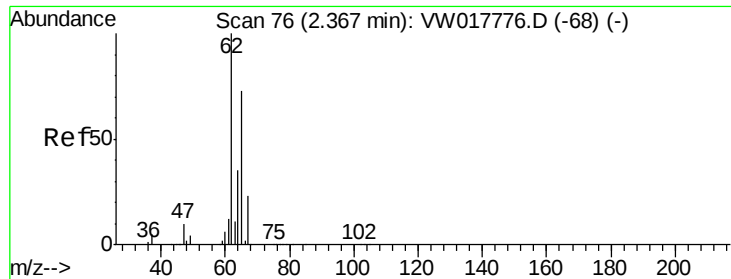
52 33.3 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 97.605 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA_W

ClientSampleId :

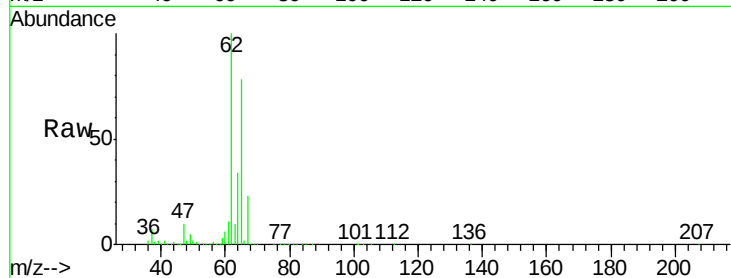
VSTD10001

Tgt Ion: 62 Resp: 524386

Ion Ratio Lower Upper

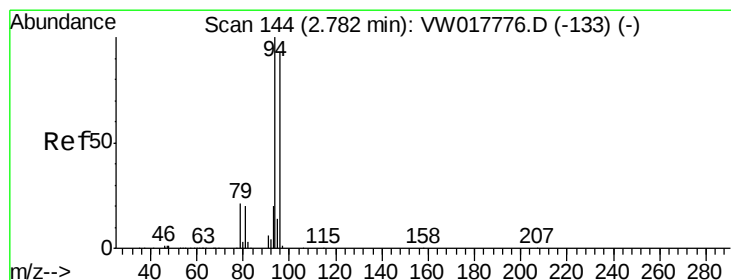
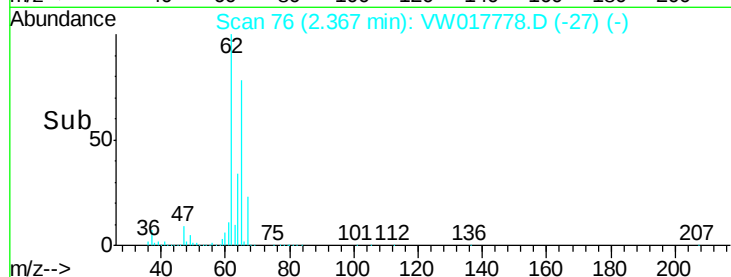
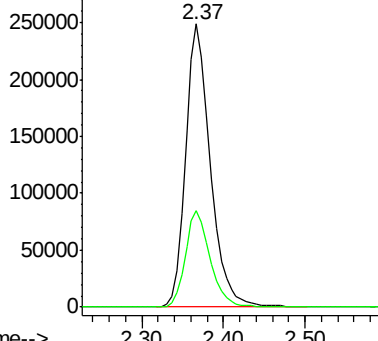
62 100

64 33.9 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 113.388 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW017778.D

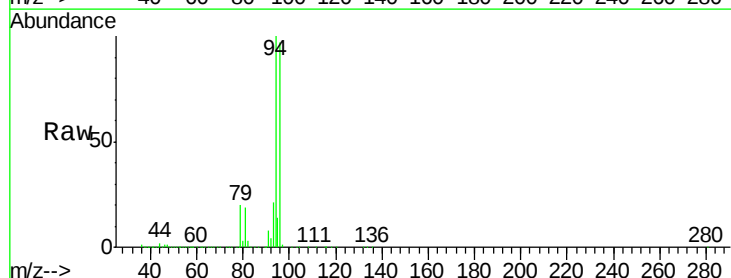
Acq: 30 Dec 2020 12:29

Tgt Ion: 94 Resp: 524388

Ion Ratio Lower Upper

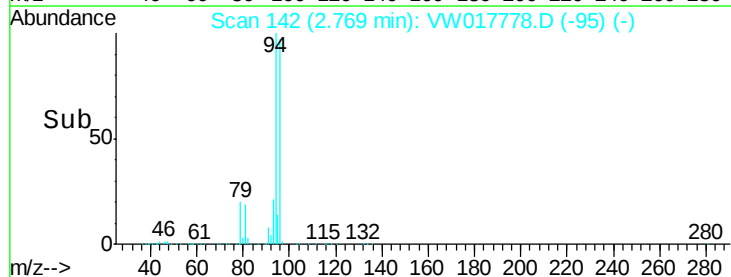
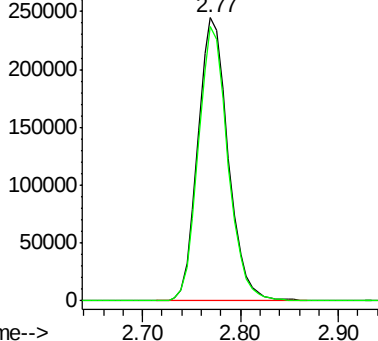
94 100

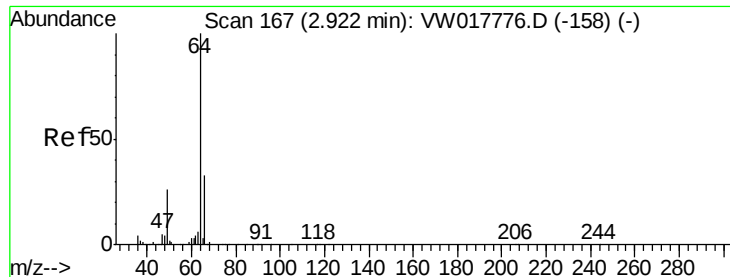
96 97.1 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 102.252 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA_W

ClientSampleId :

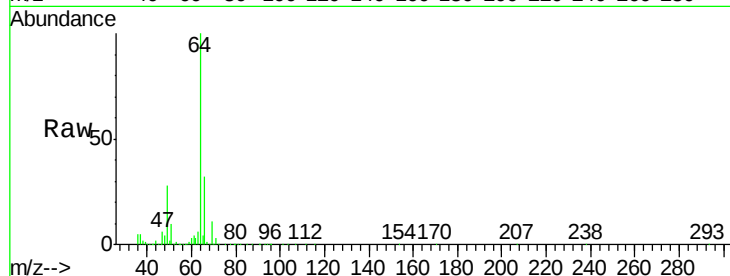
VSTD10001

Tgt Ion: 64 Resp: 362245

Ion Ratio Lower Upper

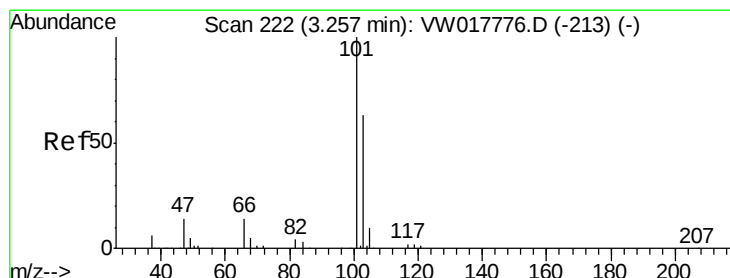
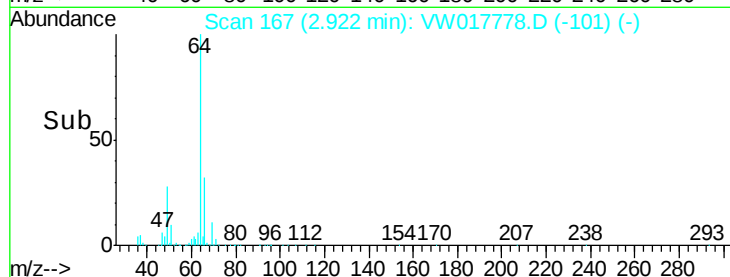
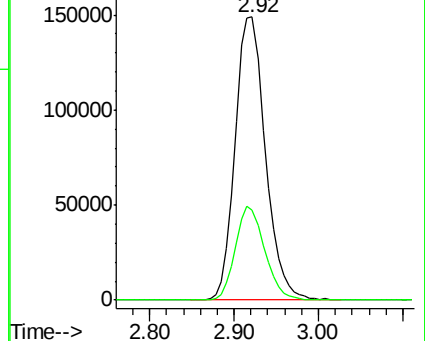
64 100

66 32.0 23.4 43.6



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 98.306 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW017778.D

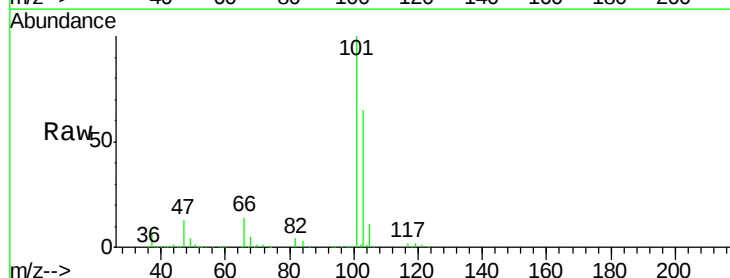
Acq: 30 Dec 2020 12:29

Tgt Ion: 101 Resp: 372398

Ion Ratio Lower Upper

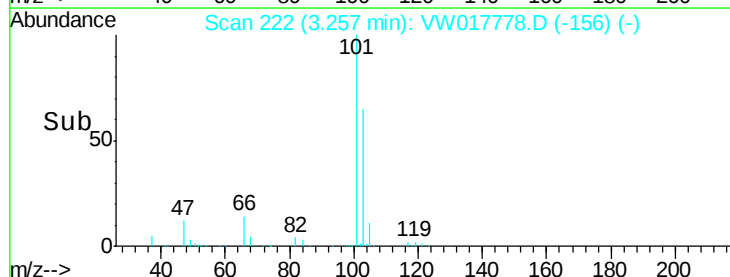
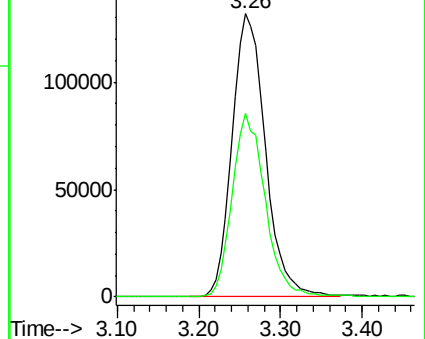
101 100

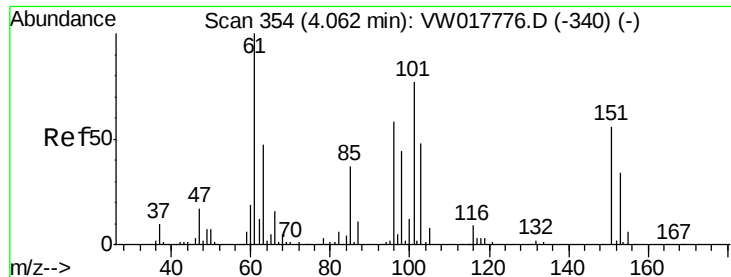
103 63.9 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 97.202 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD10001

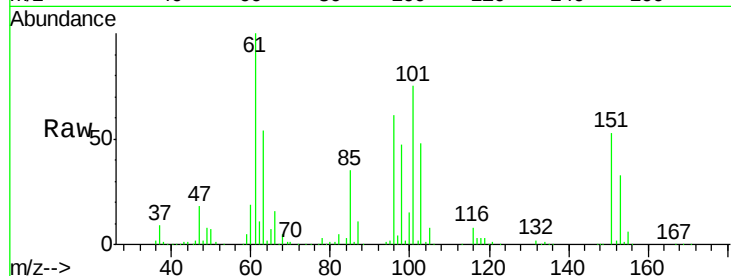
Tgt Ion: 101 Resp: 403111

Ion Ratio Lower Upper

101 100

85 46.8 38.2 57.2

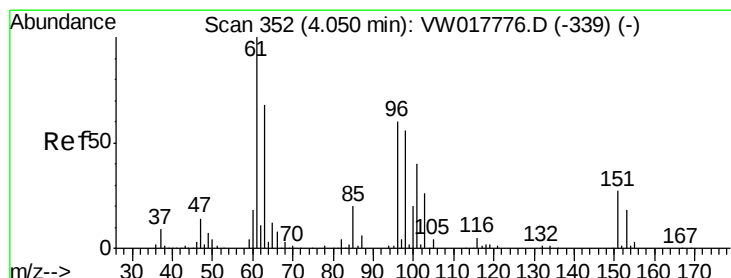
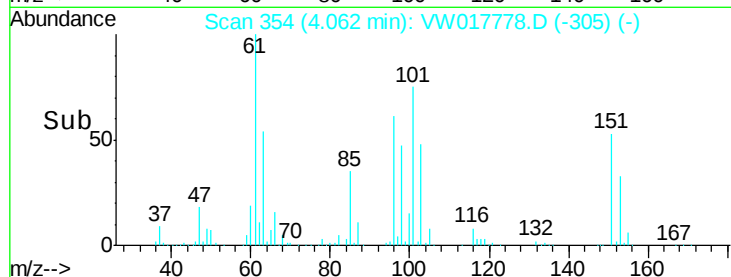
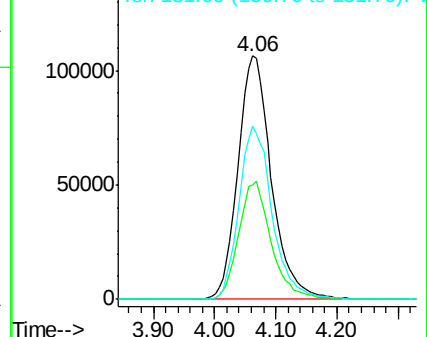
151 70.2 56.6 85.0



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: 98.751 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

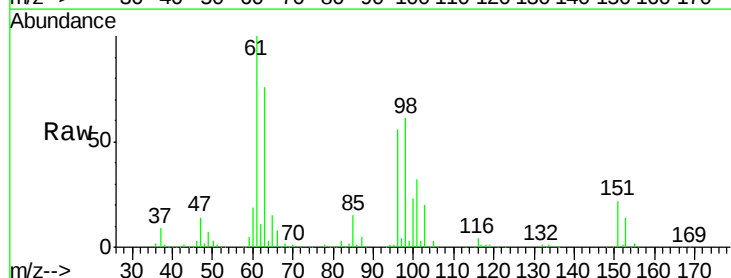
Tgt Ion: 96 Resp: 390026

Ion Ratio Lower Upper

96 100

61 178.7 118.1 219.3

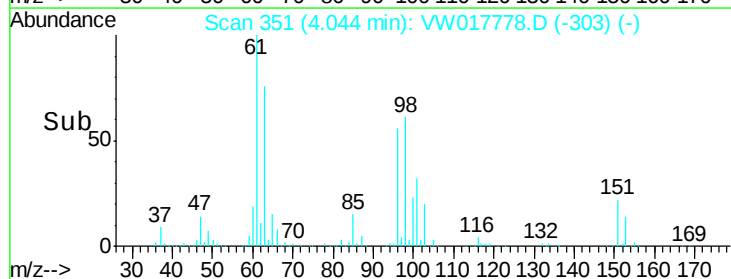
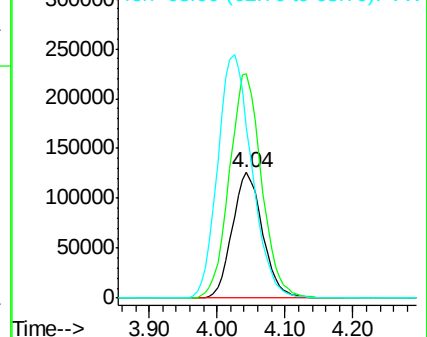
63 136.4 83.7 155.5

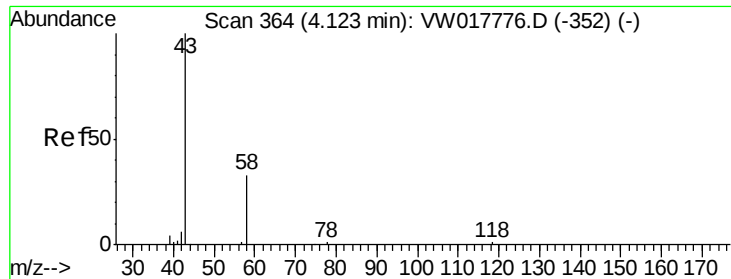


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 205.248 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

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Acq: 30 Dec 2020 12:29

Instrument :

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ClientSampleId :

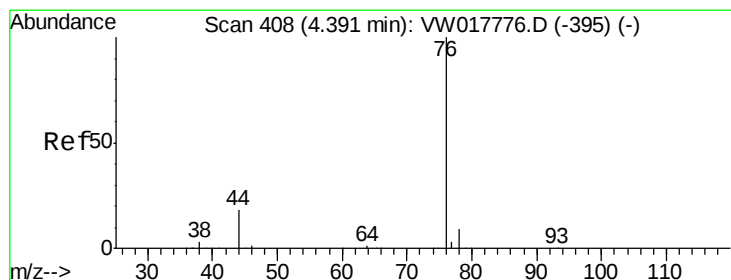
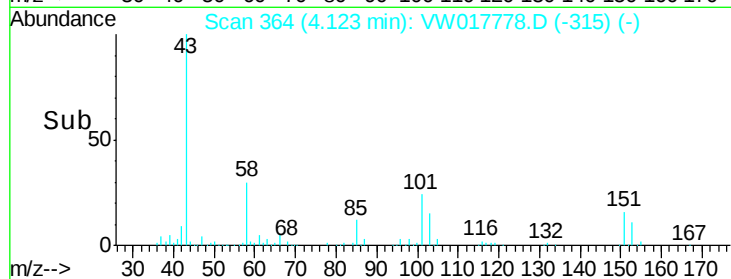
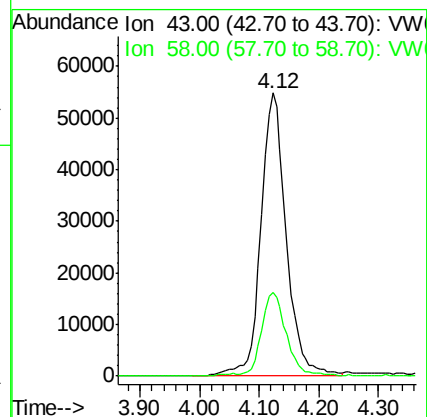
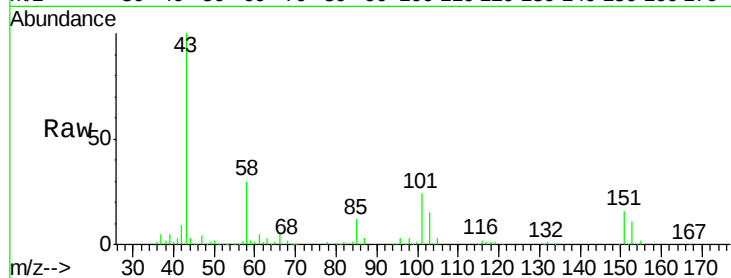
VSTD10001

Tgt Ion: 43 Resp: 162475

Ion Ratio Lower Upper

43 100

58 28.6 0.0 53.8



#14

Carbon disulfide

Concen: 96.622 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017778.D

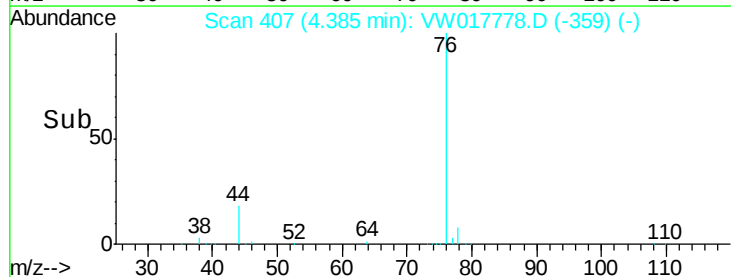
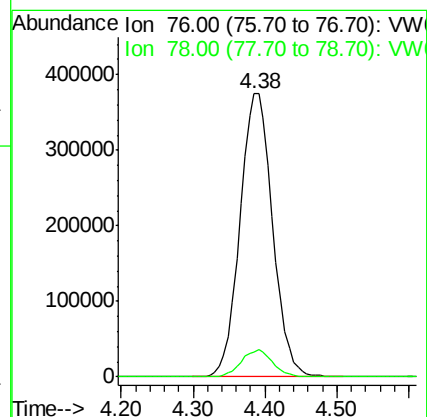
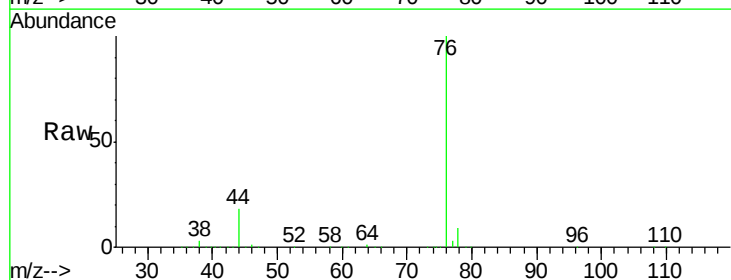
Acq: 30 Dec 2020 12:29

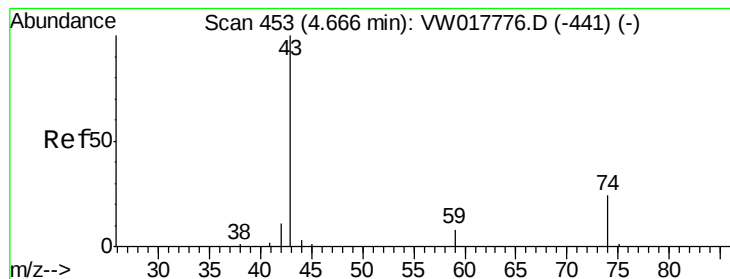
Tgt Ion: 76 Resp: 1176105

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0





#15

Methyl Acetate

Concen: 108.619 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA_W

ClientSampleId :

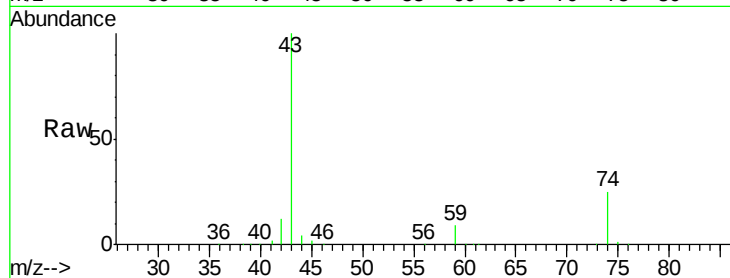
VSTD10001

Tgt Ion: 43 Resp: 203686

Ion Ratio Lower Upper

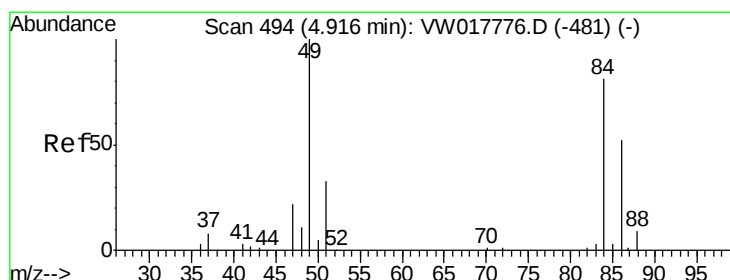
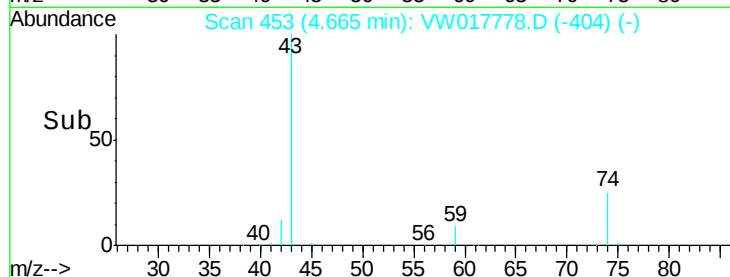
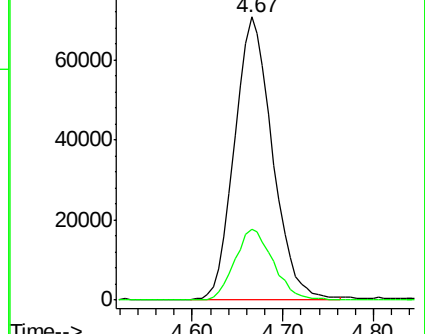
43 100

74 25.6 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 79.273 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

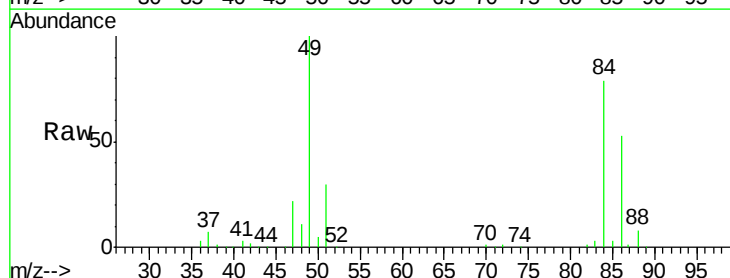
Tgt Ion: 84 Resp: 392813

Ion Ratio Lower Upper

84 100

86 66.7 45.3 84.1

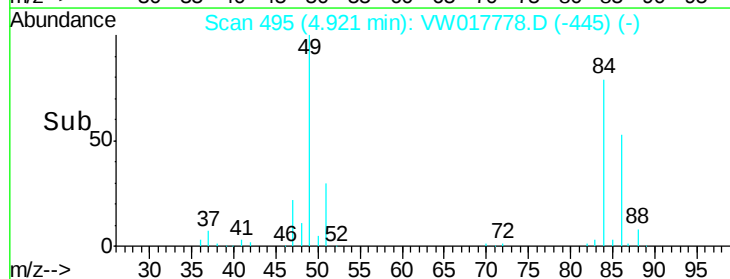
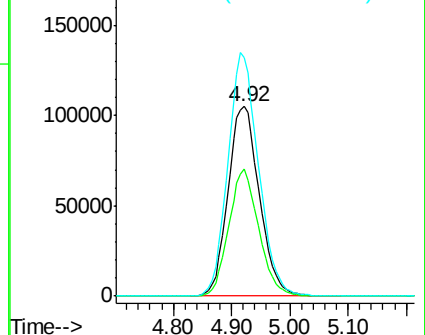
49 125.8 86.6 160.8

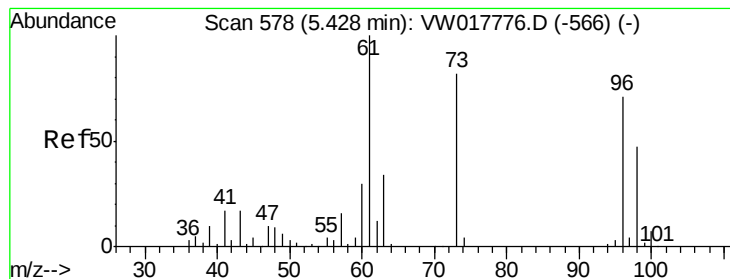


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 86.00 (85.70 to 86.70): VW

Ion 49.00 (48.70 to 49.70): VW





#17

trans-1,2-Dichloroethene

Concen: 96.589 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD10001

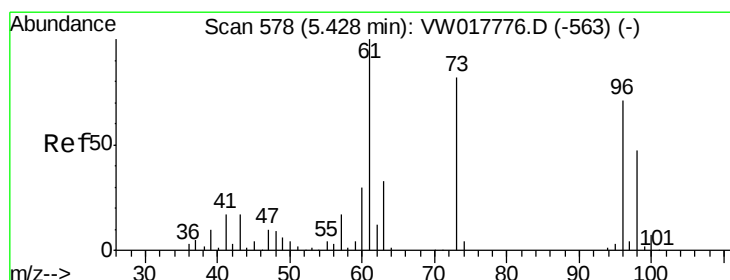
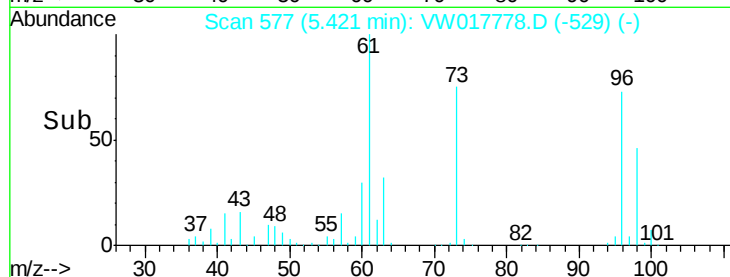
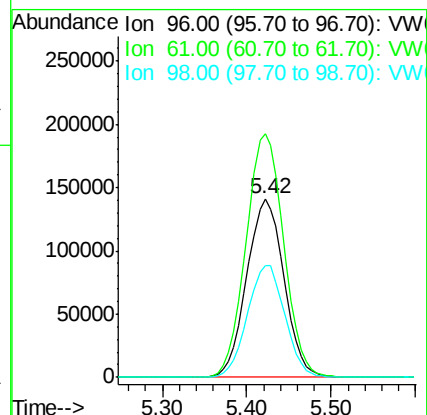
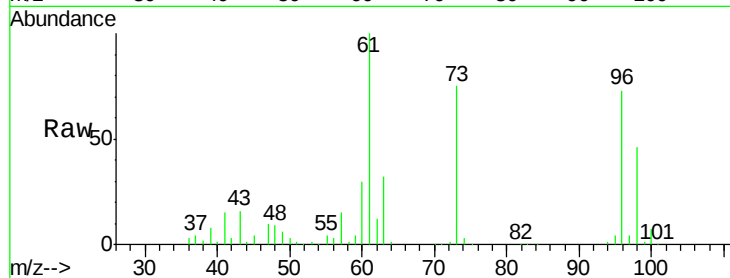
Tgt Ion: 96 Resp: 424283

Ion Ratio Lower Upper

96 100

61 136.2 98.3 182.7

98 62.3 46.1 85.7



#18

Methyl tert-butyl Ether

Concen: 90.742 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

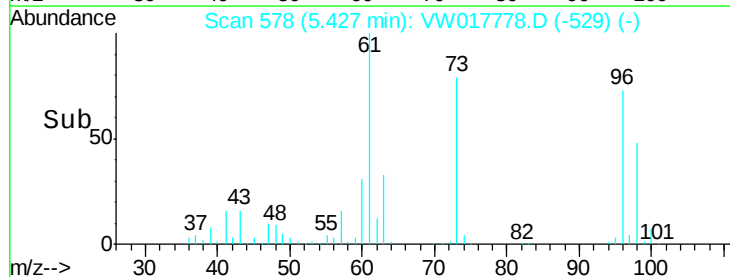
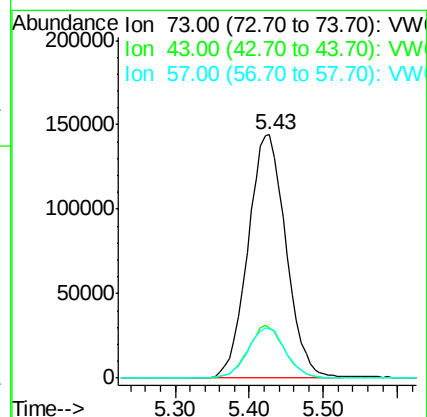
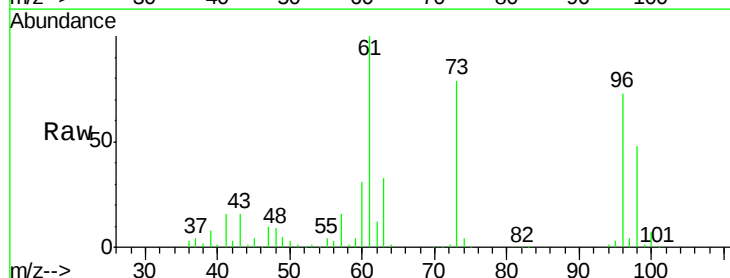
Tgt Ion: 73 Resp: 516221

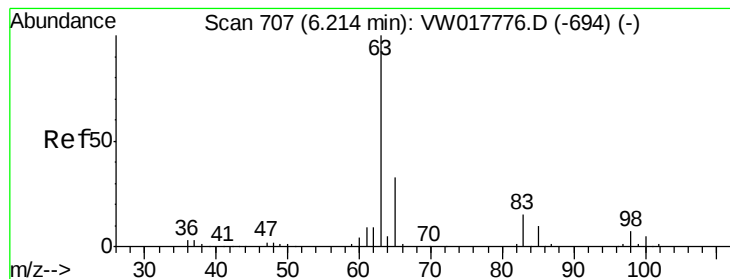
Ion Ratio Lower Upper

73 100

43 20.6 17.7 26.5

57 20.6 17.0 25.4





#19

1,1-Dichloroethane

Concen: 95.116 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD10001

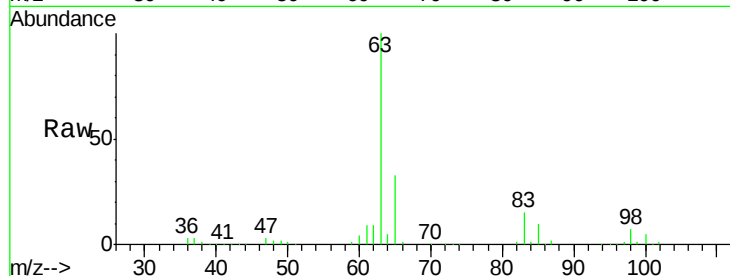
Tgt Ion: 63 Resp: 734035

Ion Ratio Lower Upper

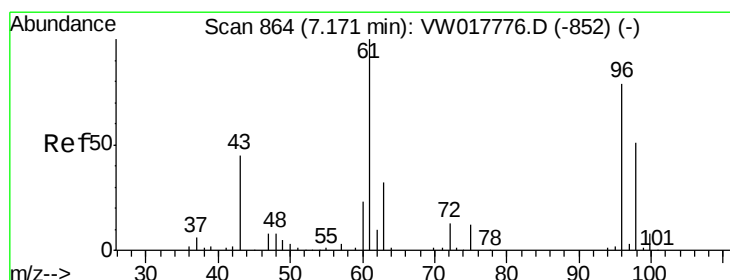
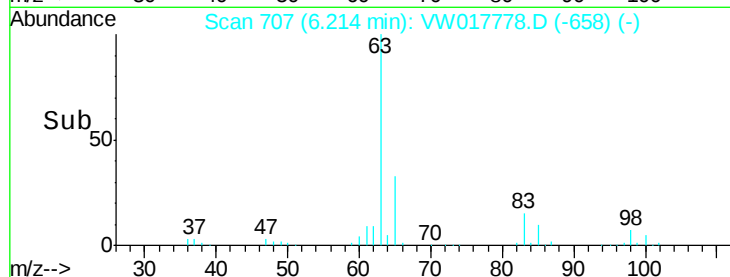
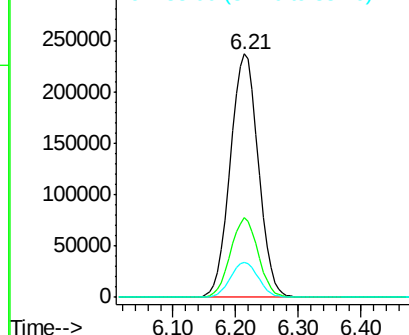
63 100

65 32.7 22.9 42.5

83 14.6 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: 96.303 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

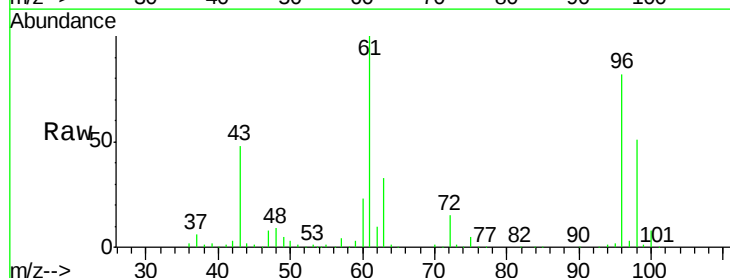
Tgt Ion: 96 Resp: 453671

Ion Ratio Lower Upper

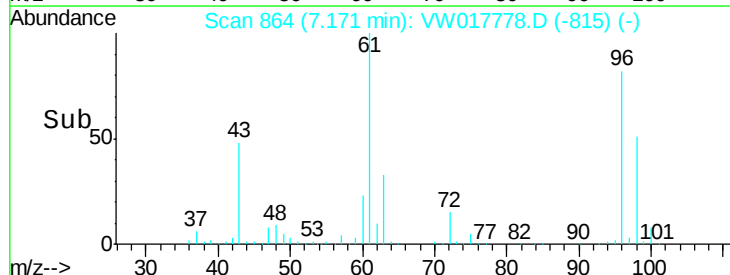
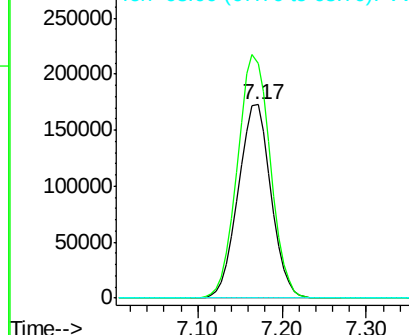
96 100

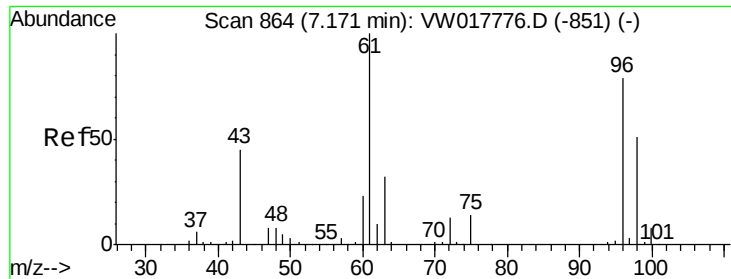
61 121.6 88.5 164.3

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

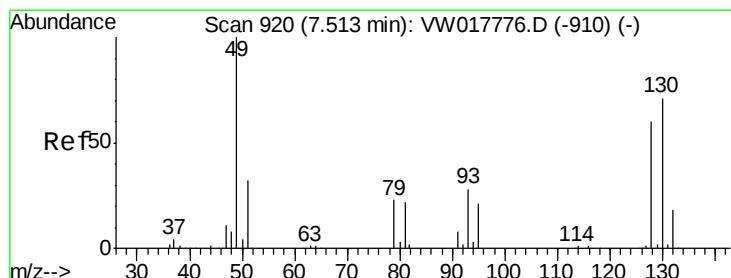
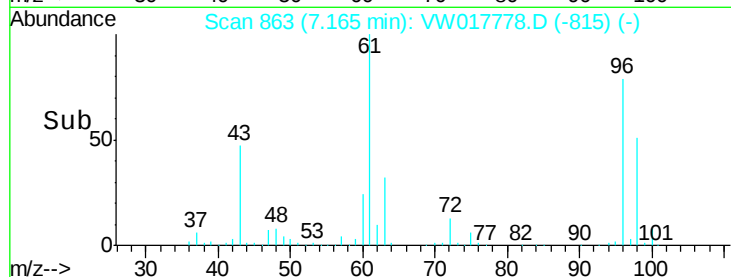
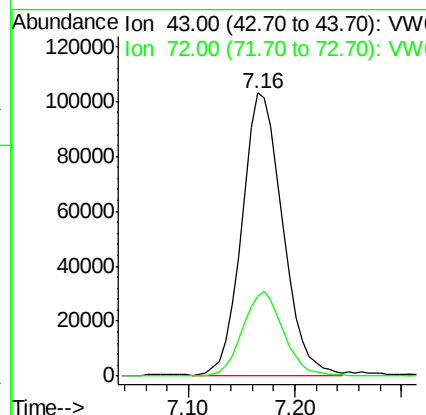
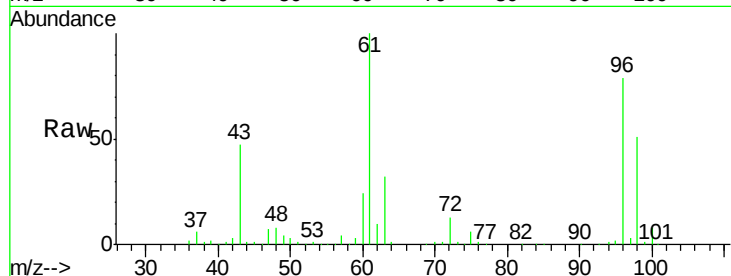




#22
 2-Butanone
 Concen: 221.724 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW017778.D
 Acq: 30 Dec 2020 12:29

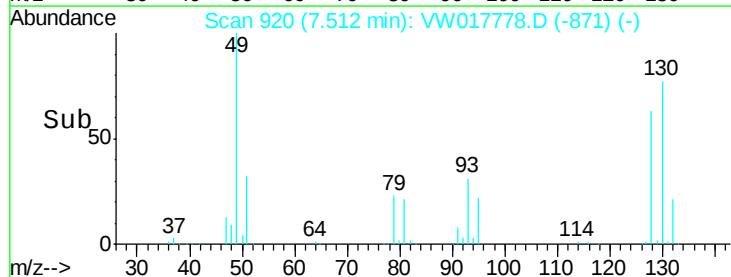
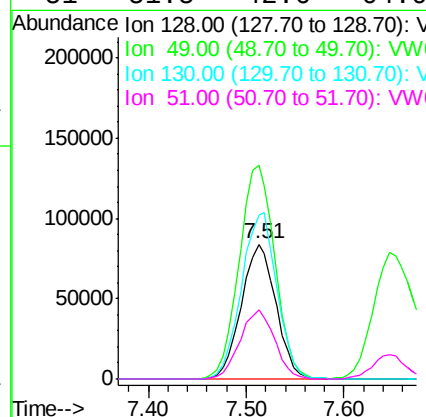
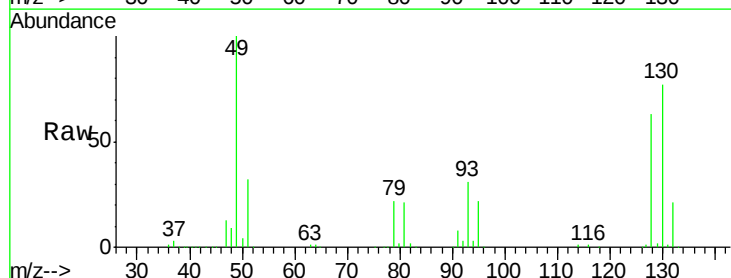
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD10001

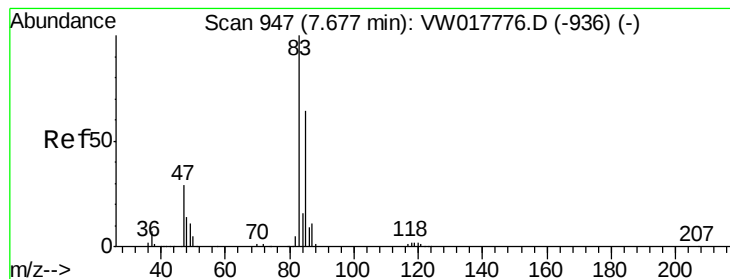
Tgt Ion: 43 Resp: 274754
 Ion Ratio Lower Upper
 43 100
 72 30.1 14.9 44.7



#23
 Bromochloromethane
 Concen: 96.631 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW017778.D
 Acq: 30 Dec 2020 12:29

Tgt Ion: 128 Resp: 206185
 Ion Ratio Lower Upper
 128 100
 49 158.8 116.3 215.9
 130 121.6 82.4 153.0
 51 51.5 42.6 64.0





#25

Chloroform

Concen: 96.179 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA_W

ClientSampleId :

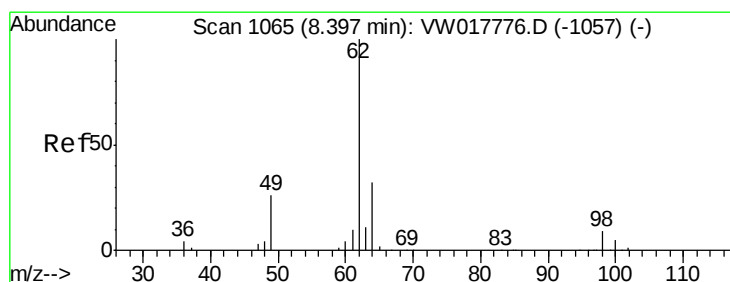
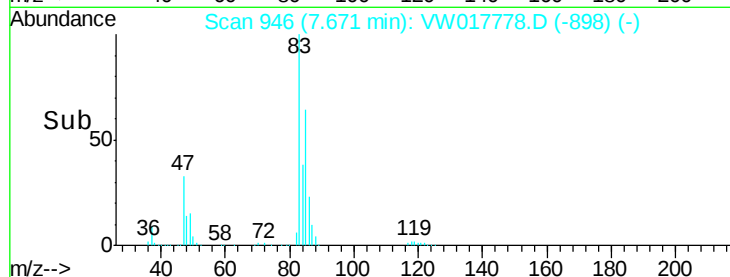
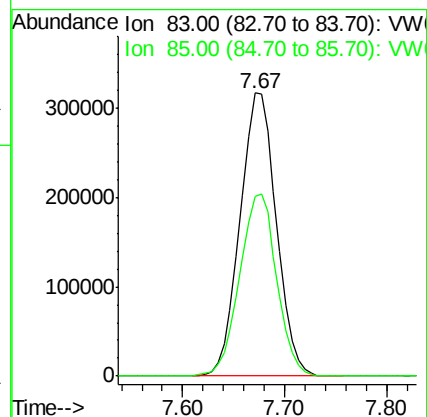
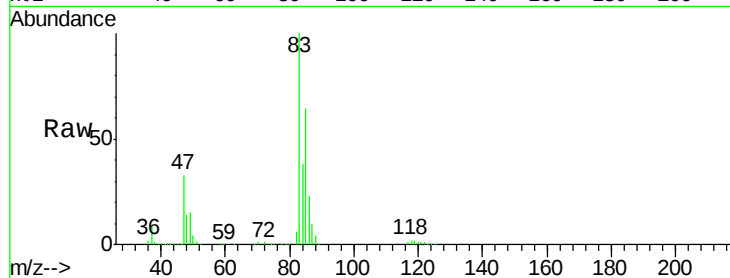
VSTD10001

Tgt Ion: 83 Resp: 783156

Ion Ratio Lower Upper

83 100

85 63.7 44.6 82.8



#27

1,2-Dichloroethane

Concen: 96.305 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW017778.D

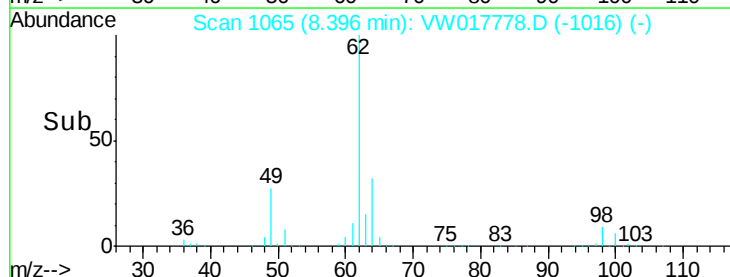
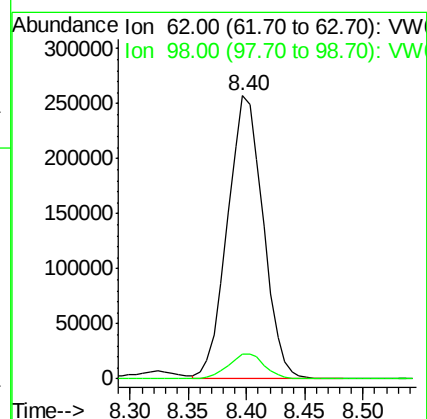
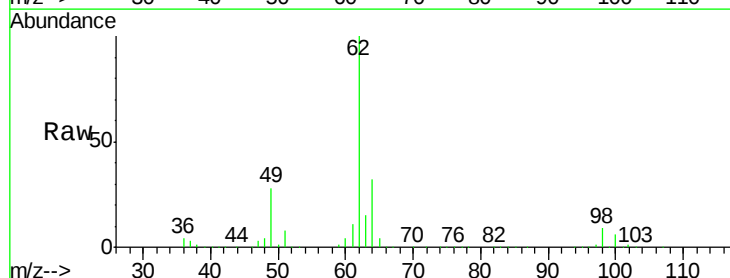
Acq: 30 Dec 2020 12:29

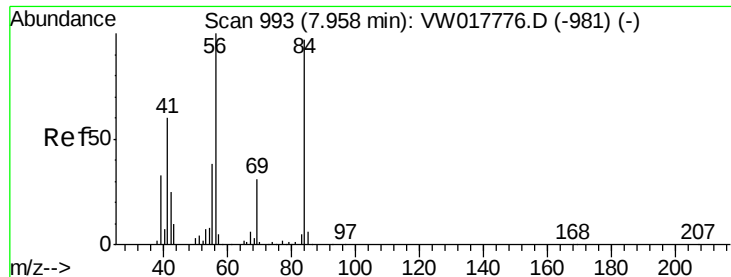
Tgt Ion: 62 Resp: 548429

Ion Ratio Lower Upper

62 100

98 8.8 6.9 10.3

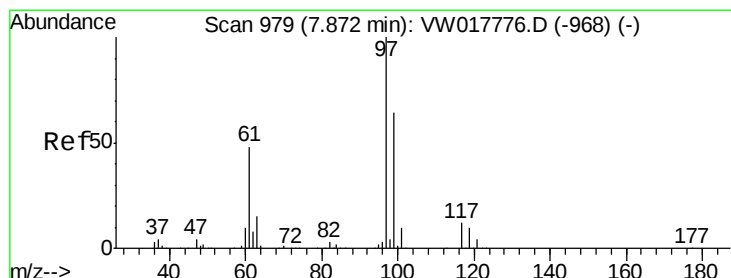
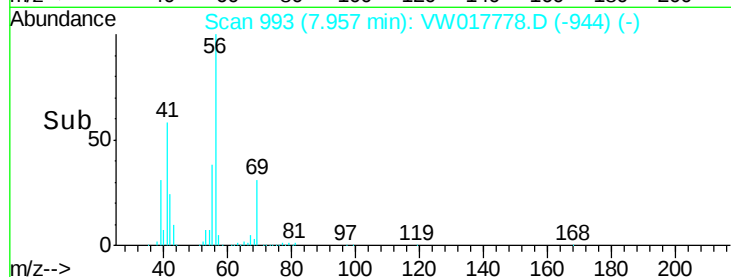
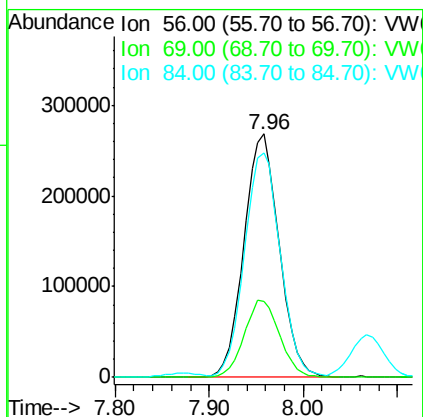
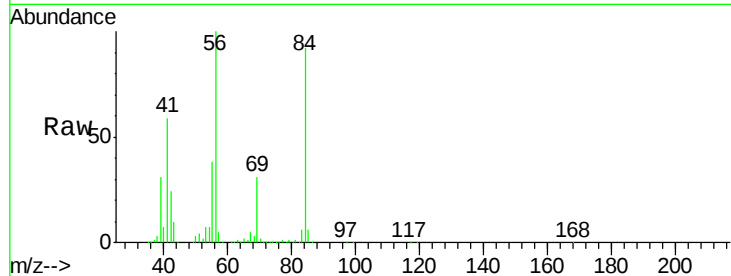




#29
Cyclohexane
Concen: 96.567 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW017778.D
Acq: 30 Dec 2020 12:29

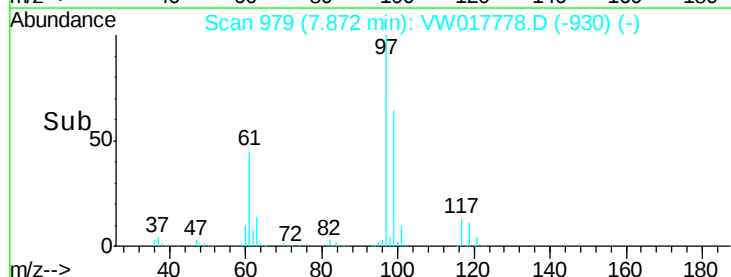
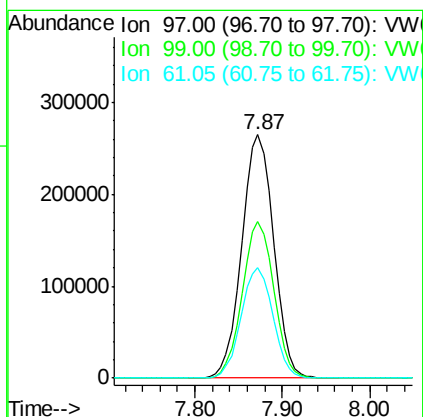
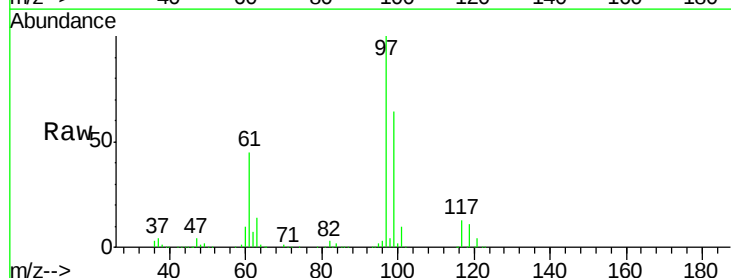
Instrument :
MSVOA_W
ClientSampled :
VSTD10001

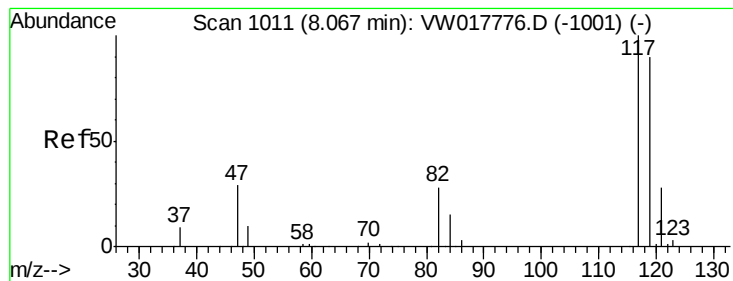
Tgt Ion: 56 Resp: 703559
Ion Ratio Lower Upper
56 100
69 31.9 24.5 36.7
84 94.3 75.0 112.4



#30
1,1,1-Trichloroethane
Concen: 96.430 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW017778.D
Acq: 30 Dec 2020 12:29

Tgt Ion: 97 Resp: 674732
Ion Ratio Lower Upper
97 100
99 63.7 51.4 77.2
61 45.2 37.8 56.6





#31

Carbon tetrachloride

Concen: 98.365 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA_W

ClientSampleId :

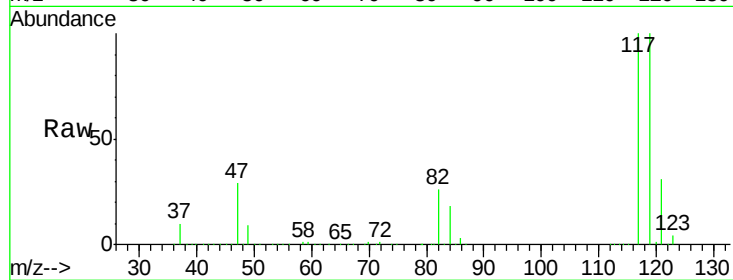
VSTD10001

Tgt Ion:117 Resp: 657798

Ion Ratio Lower Upper

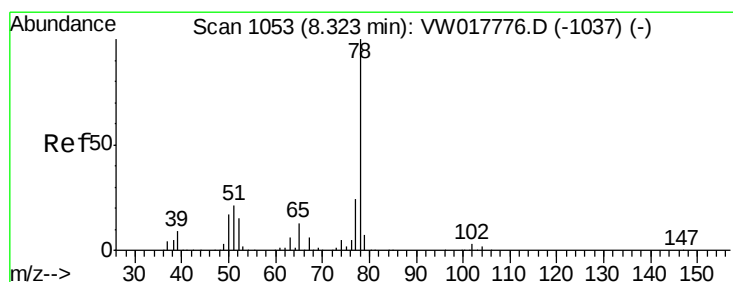
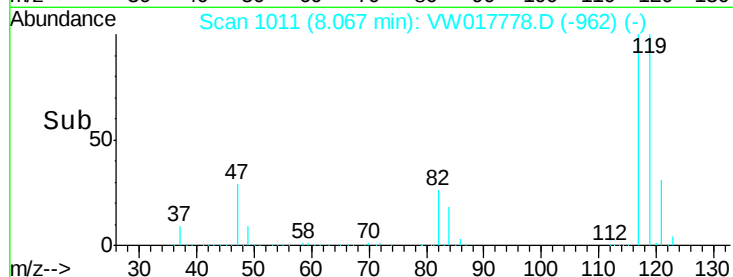
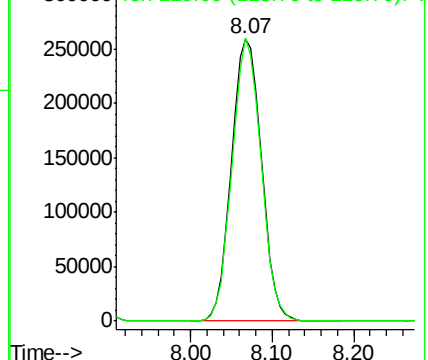
117 100

119 96.7 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 94.494 ug/L

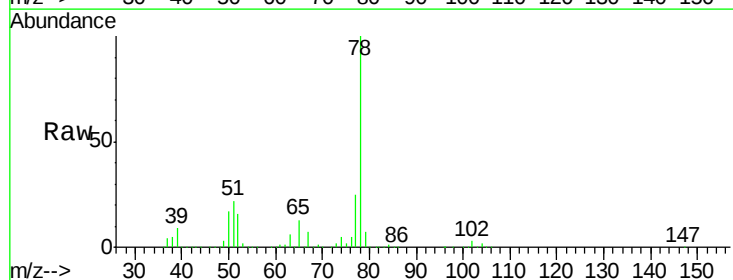
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

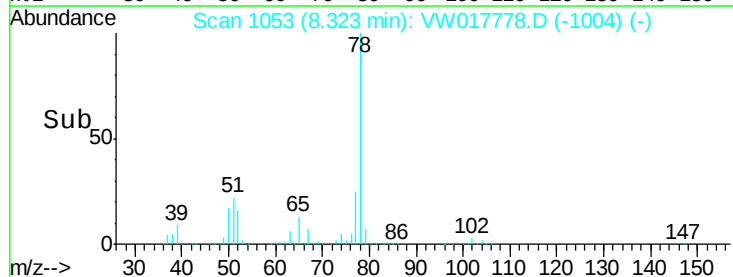
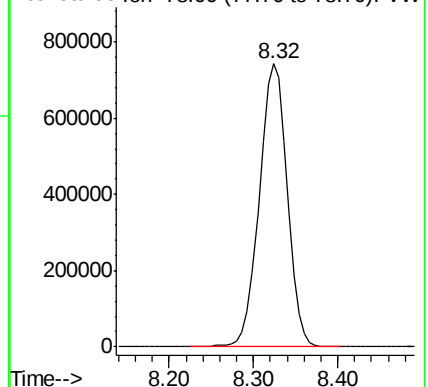
Lab File: VW017778.D

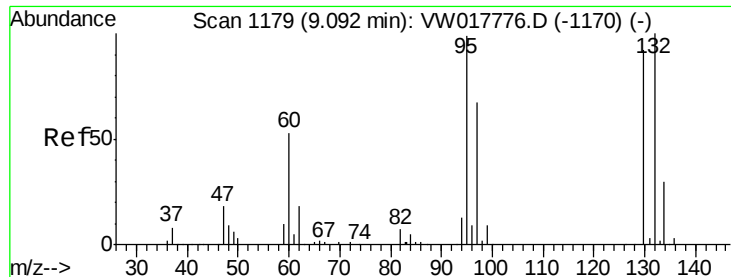
Acq: 30 Dec 2020 12:29

Tgt Ion: 78 Resp: 1687259



Abundance Ion 78.00 (77.70 to 78.70): VW

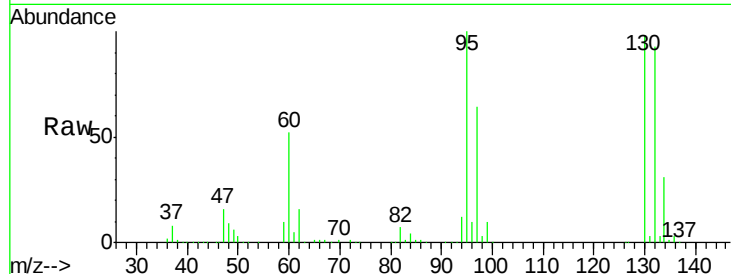




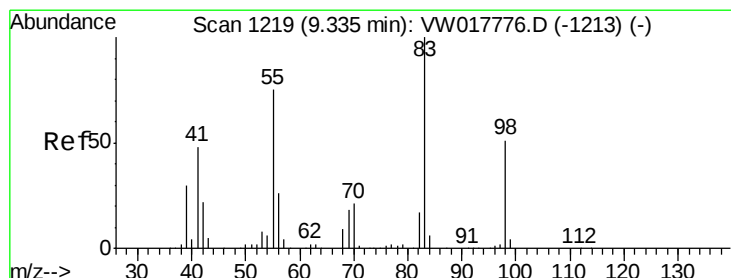
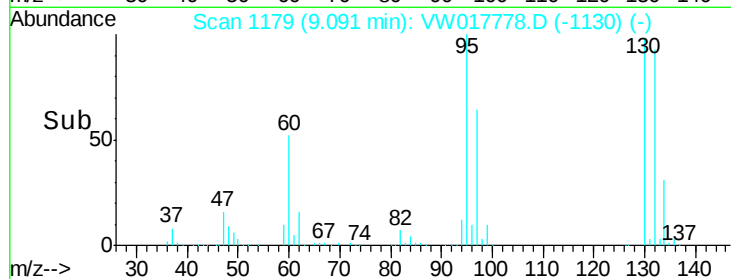
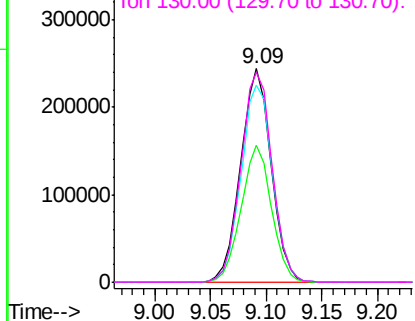
#34
 Trichloroethene
 Concen: 96.009 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW017778.D
 Acq: 30 Dec 2020 12:29

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD10001

Tgt Ion: 95 Resp: 465146
 Ion Ratio Lower Upper
 95 100
 97 63.9 47.3 87.8
 132 92.5 71.0 131.8
 130 98.4 65.1 120.9

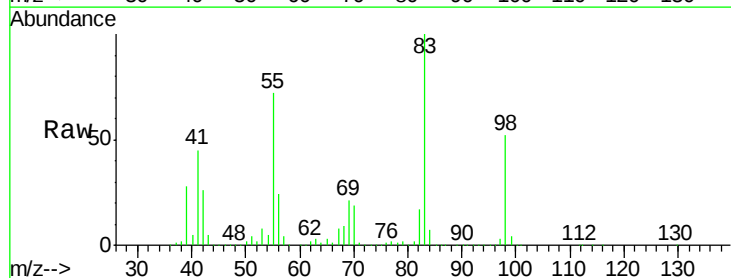


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

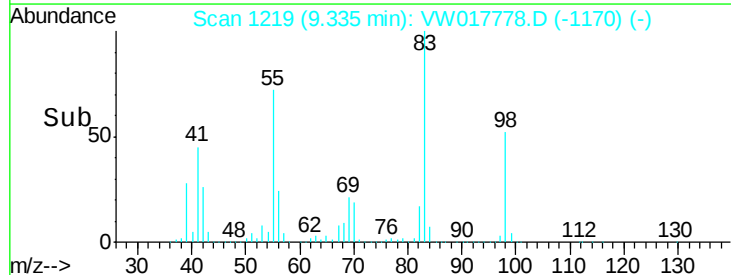
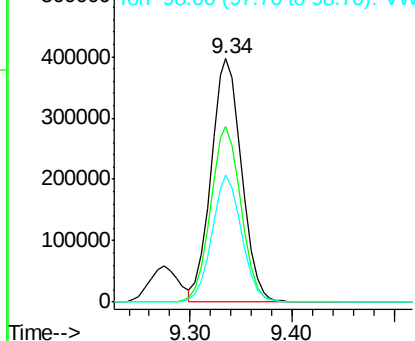


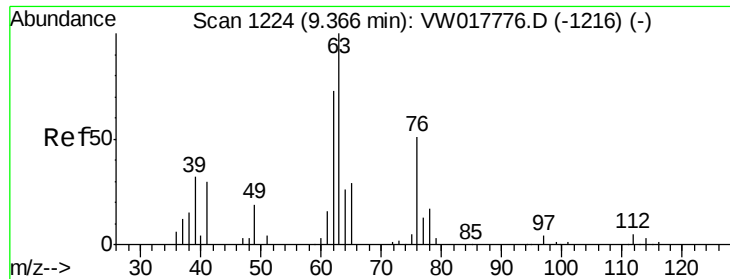
#35
 Methylcyclohexane
 Concen: 98.929 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW017778.D
 Acq: 30 Dec 2020 12:29

Tgt Ion: 83 Resp: 822329
 Ion Ratio Lower Upper
 83 100
 55 72.1 58.9 88.3
 98 51.1 40.1 60.1



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

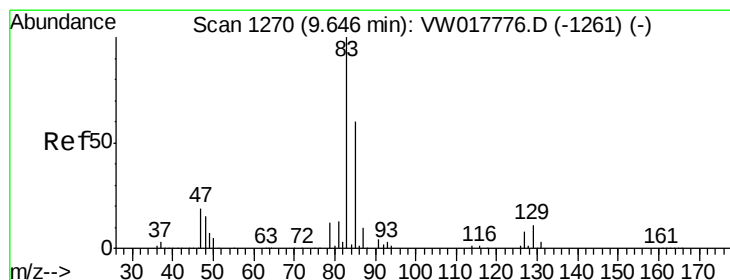
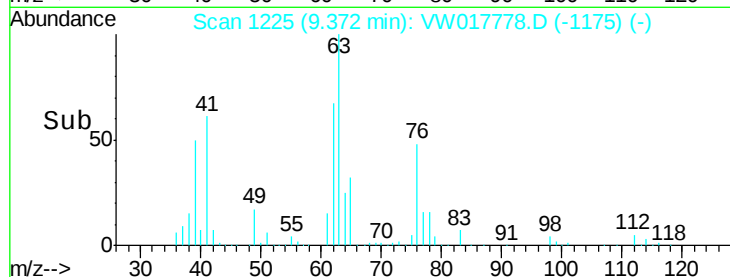
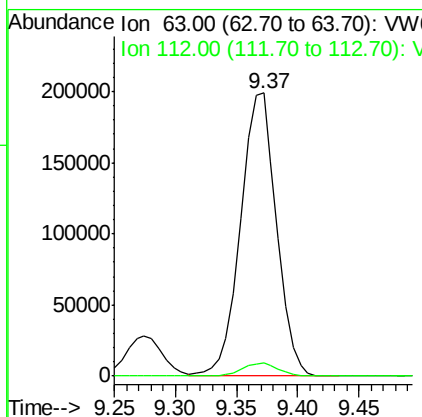
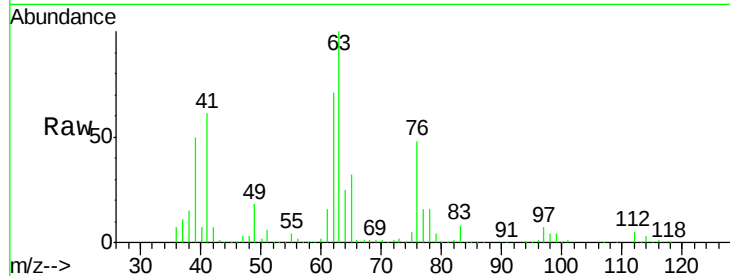




#37
 1,2-Dichloropropane
 Concen: 93.755 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW017778.D
 Acq: 30 Dec 2020 12:29

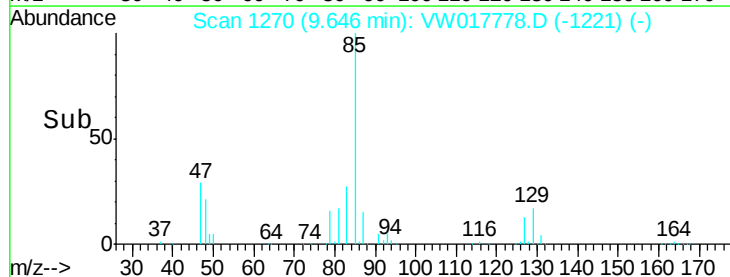
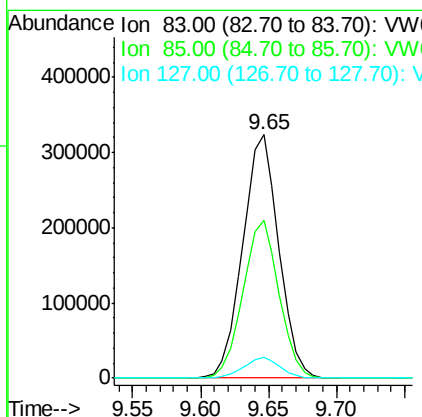
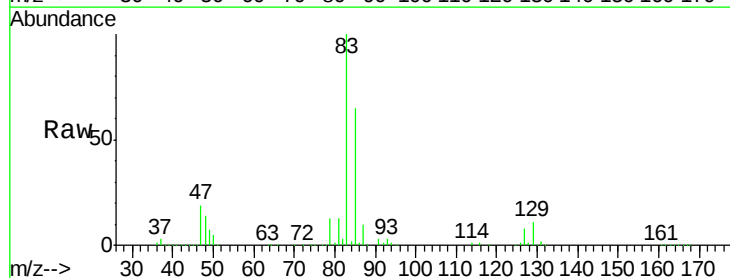
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

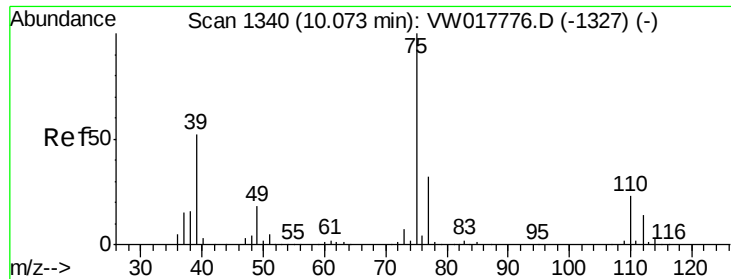
Tgt Ion: 63 Resp: 406507
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.9 5.9



#38
 Bromodichloromethane
 Concen: 98.639 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017778.D
 Acq: 30 Dec 2020 12:29

Tgt Ion: 83 Resp: 601083
 Ion Ratio Lower Upper
 83 100
 85 64.8 42.3 78.5
 127 8.4 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 101.279 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA_W

ClientSampled :

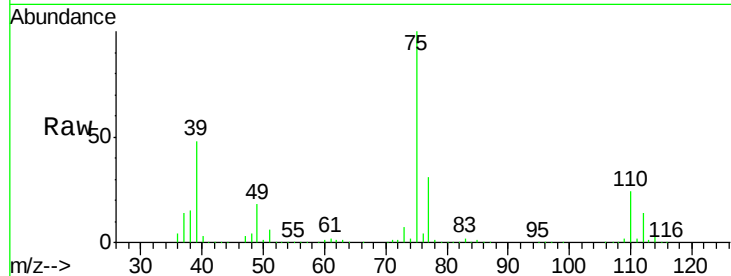
VSTD10001

Tgt Ion: 75 Resp: 715957

Ion Ratio Lower Upper

75 100

77 31.1 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

400000

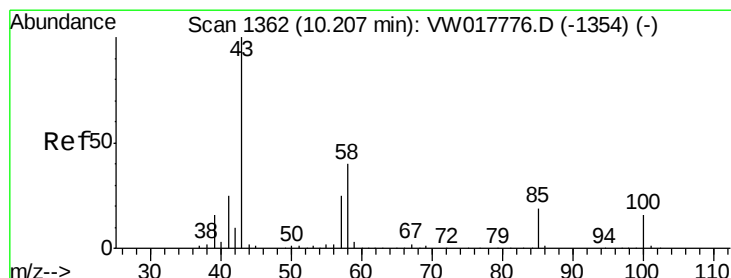
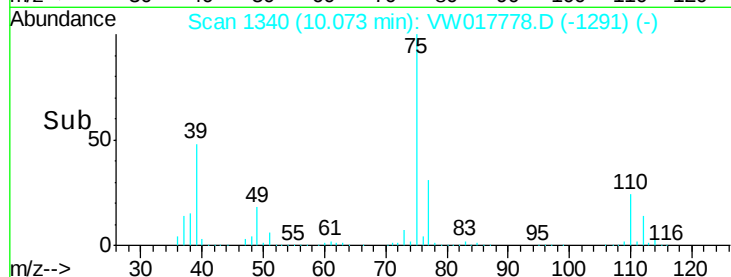
300000

200000

100000

0

Time--> 9.90 10.00 10.10 10.20



#40

4-Methyl-2-pentanone

Concen: 230.099 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

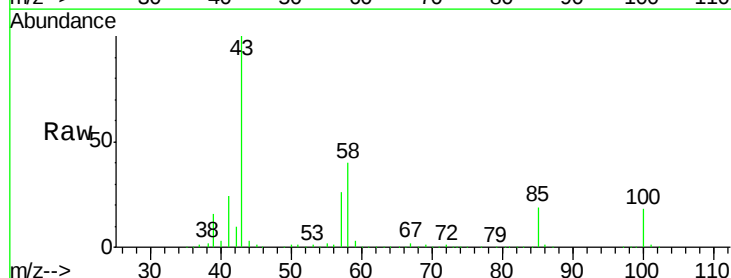
Tgt Ion: 43 Resp: 618848

Ion Ratio Lower Upper

43 100

58 39.4 31.0 46.4

100 17.0 13.0 19.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

800000

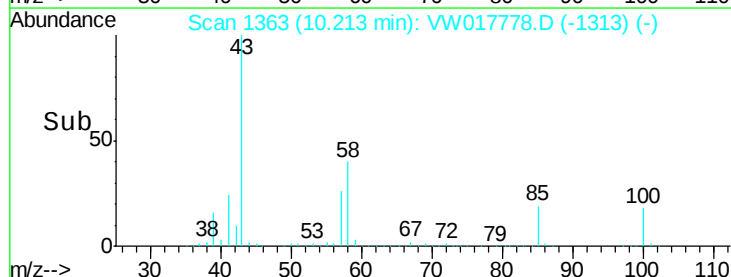
600000

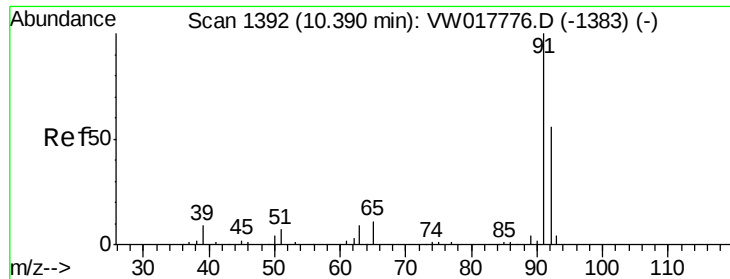
400000

200000

0

Time--> 10.10 10.20 10.30





#42

Toluene

Concen: 100.634 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA_W

ClientSampleId :

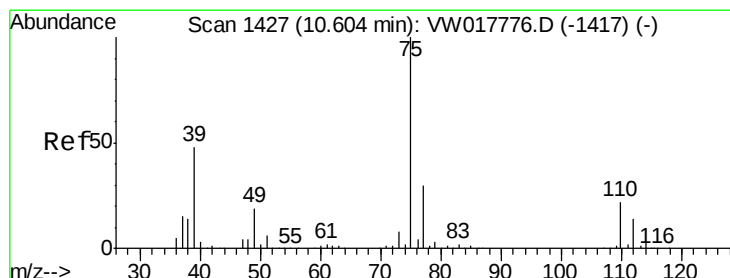
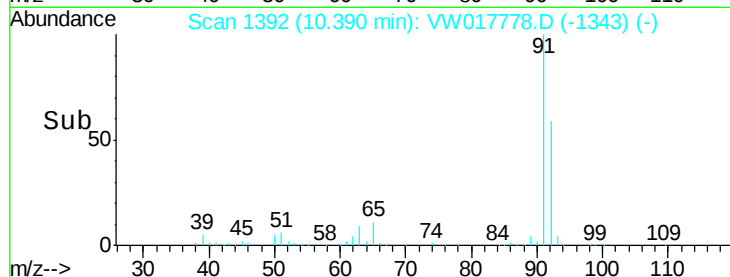
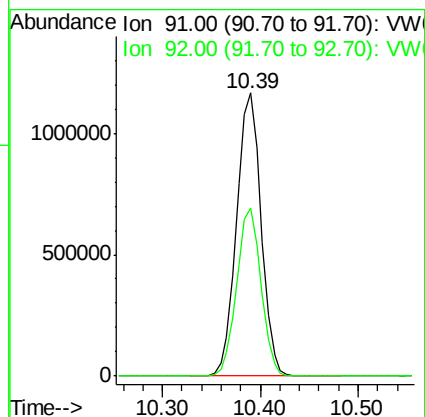
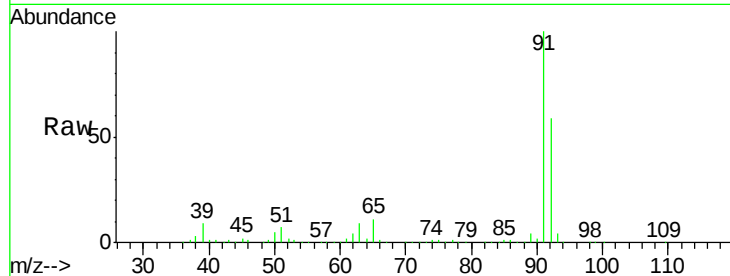
VSTD10001

Tgt Ion: 91 Resp: 2028125

Ion Ratio Lower Upper

91 100

92 59.2 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 103.665 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW017778.D

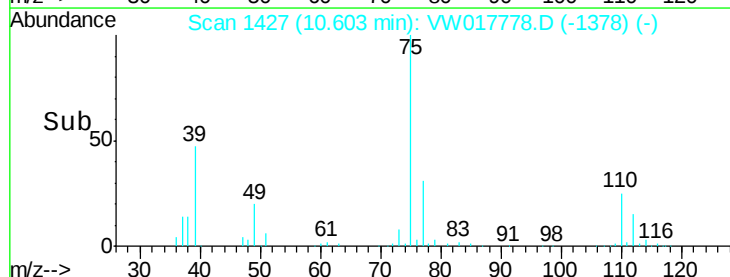
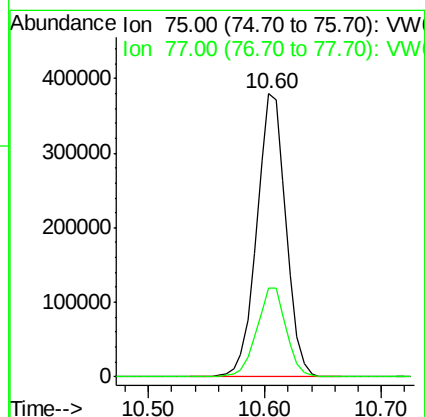
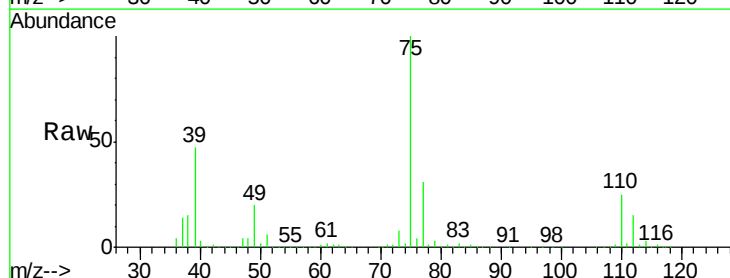
Acq: 30 Dec 2020 12:29

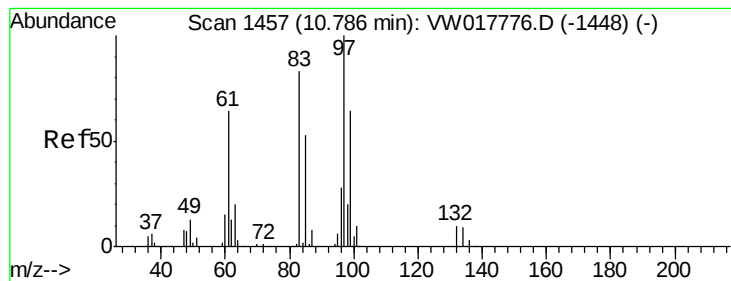
Tgt Ion: 75 Resp: 662425

Ion Ratio Lower Upper

75 100

77 31.2 21.1 39.1





#45

1,1,2-Trichloroethane

Concen: 100.777 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD10001

Tgt Ion: 97 Resp: 351305

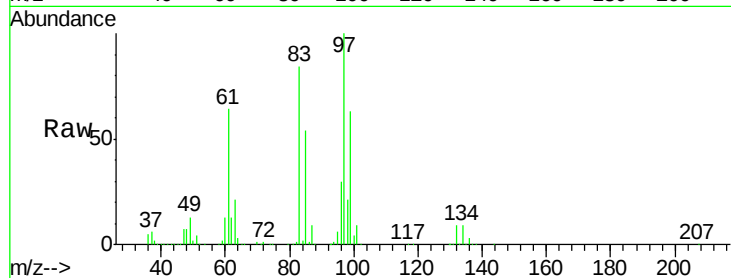
Ion Ratio Lower Upper

97 100

99 63.1 45.1 83.7

83 83.9 58.1 107.9

85 54.3 37.3 69.3

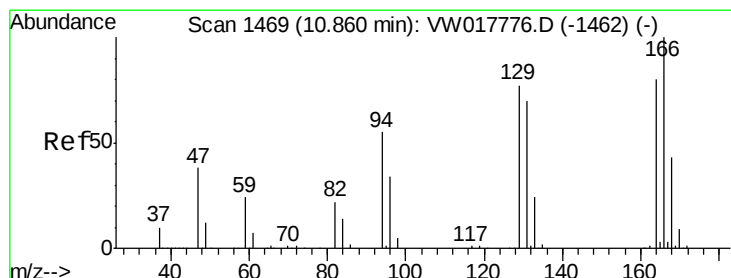
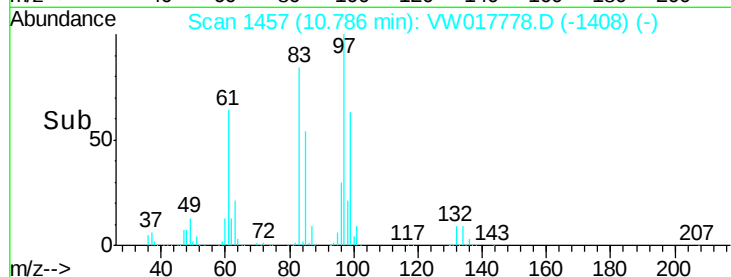
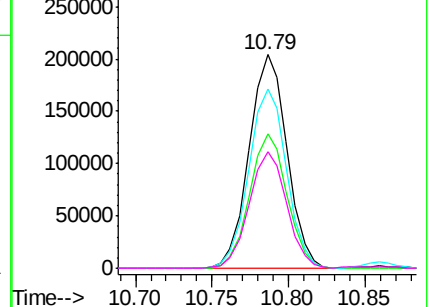


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 97.823 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

Tgt Ion: 164 Resp: 364365

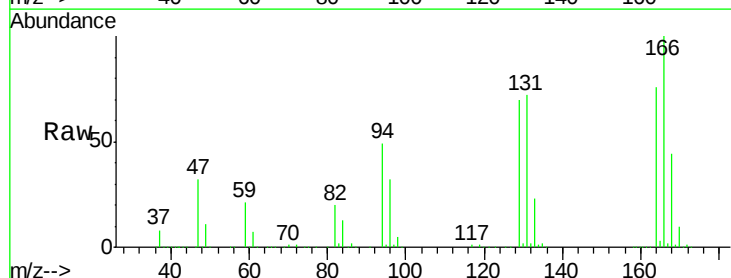
Ion Ratio Lower Upper

164 100

129 92.0 66.7 123.9

131 95.2 61.1 113.5

166 132.2 87.0 161.6

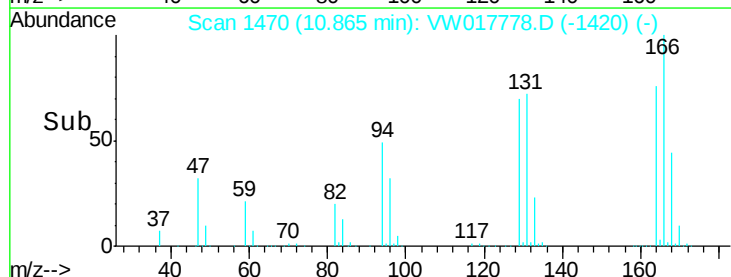
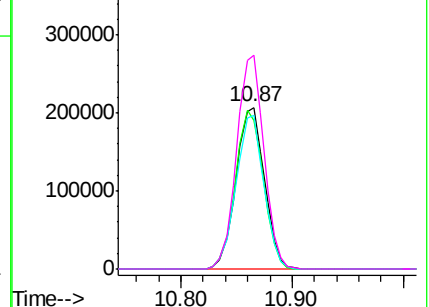


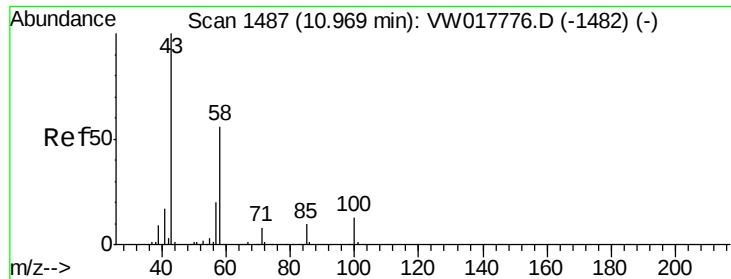
Abundance Ion 164.00 (163.70 to 164.70): V

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

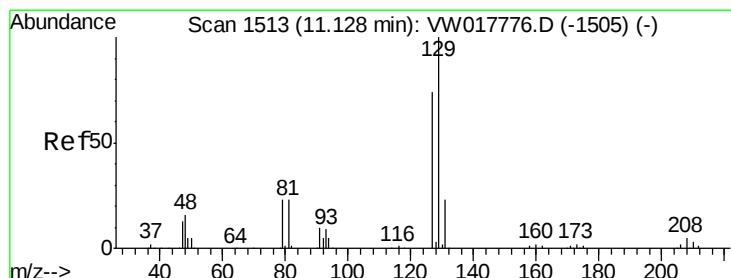
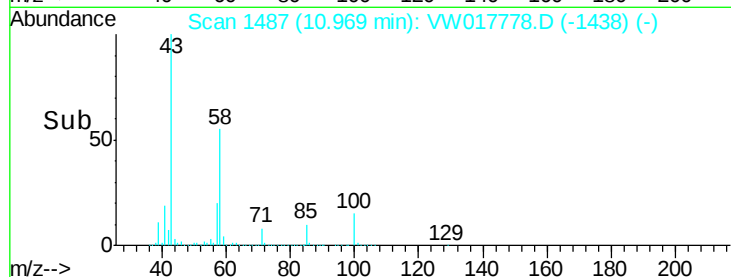
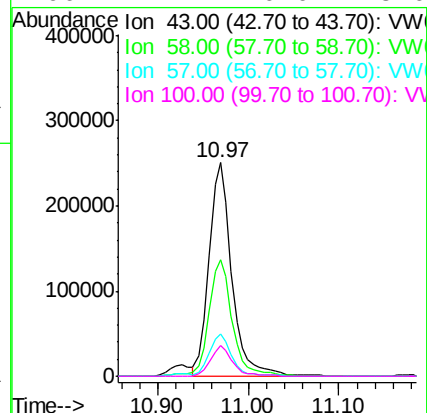
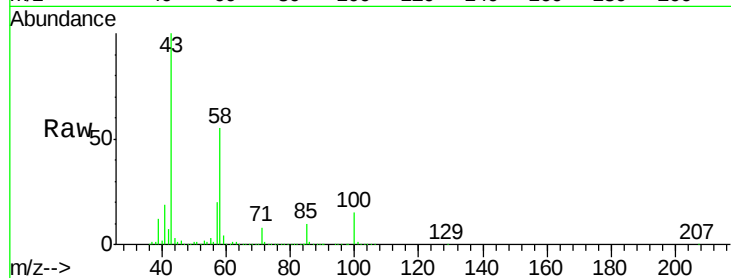




#48
2-Hexanone
Concen: 237.825 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017778.D
Acq: 30 Dec 2020 12:29

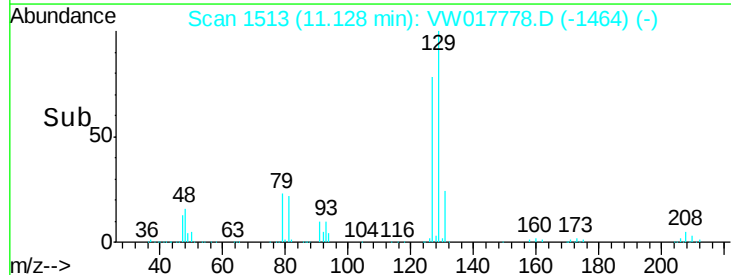
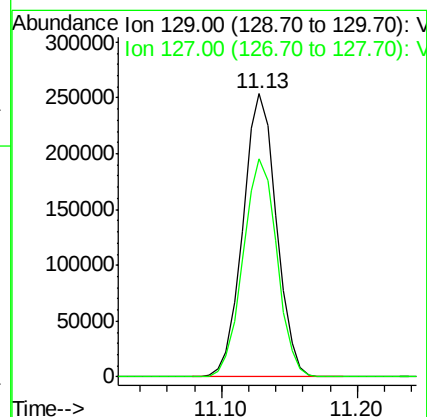
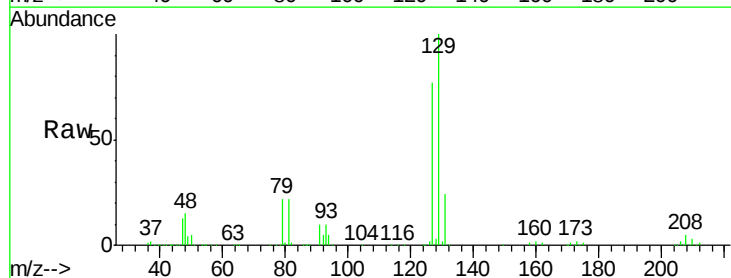
Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

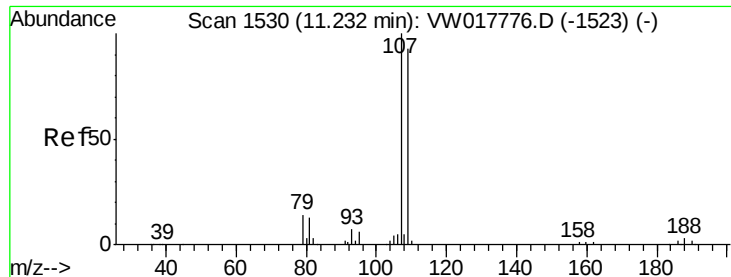
Tgt Ion: 43 Resp: 442449
Ion Ratio Lower Upper
43 100
58 55.6 42.7 64.1
57 19.9 15.8 23.8
100 14.1 10.0 15.0



#49
Dibromochloromethane
Concen: 105.881 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW017778.D
Acq: 30 Dec 2020 12:29

Tgt Ion: 129 Resp: 437030
Ion Ratio Lower Upper
129 100
127 76.9 51.7 95.9

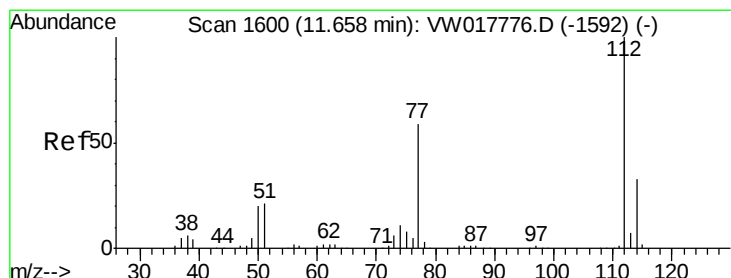
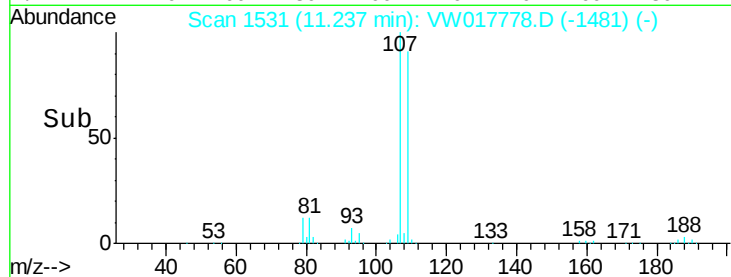
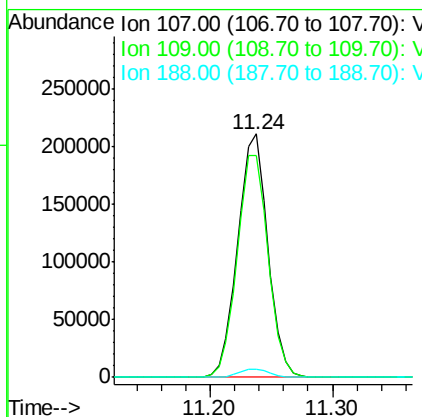
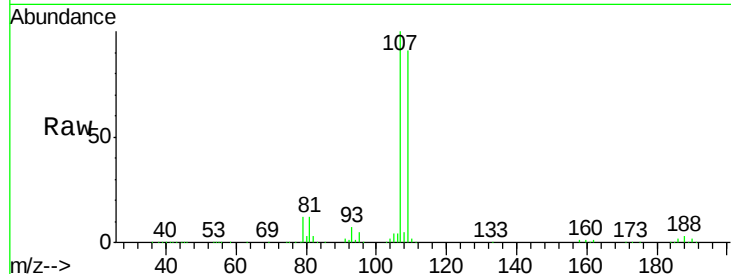




#50
1,2-Dibromoethane
Concen: 105.424 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW017778.D
Acq: 30 Dec 2020 12:29

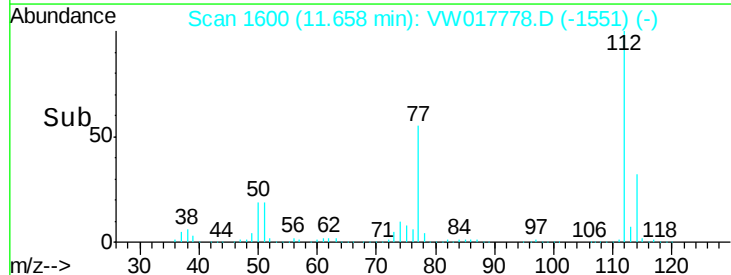
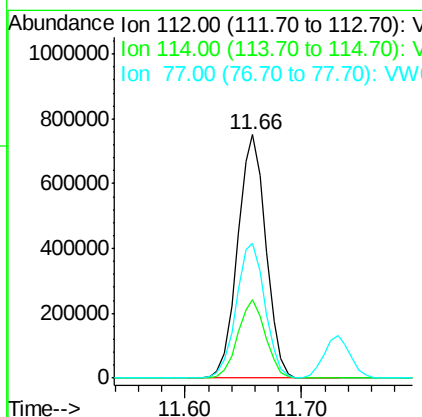
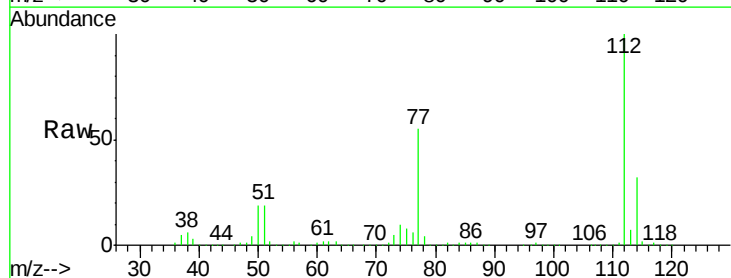
Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

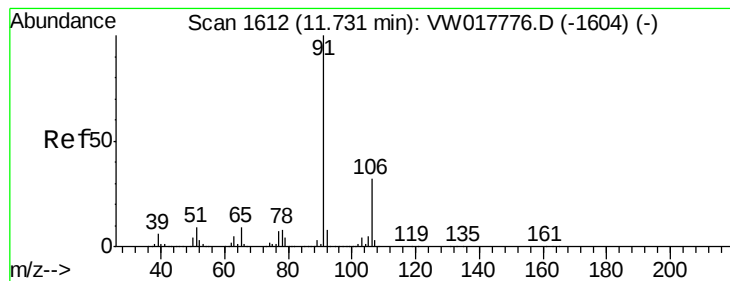
Tgt Ion:107 Resp: 360097
Ion Ratio Lower Upper
107 100
109 91.2 65.4 121.4
188 3.2 2.6 4.0



#51
Chlorobenzene
Concen: 99.525 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017778.D
Acq: 30 Dec 2020 12:29

Tgt Ion:112 Resp: 1265237
Ion Ratio Lower Upper
112 100
114 32.2 23.4 43.6
77 55.4 47.6 71.4





#52

Ethylbenzene

Concen: 100.587 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA_W

ClientSampleId :

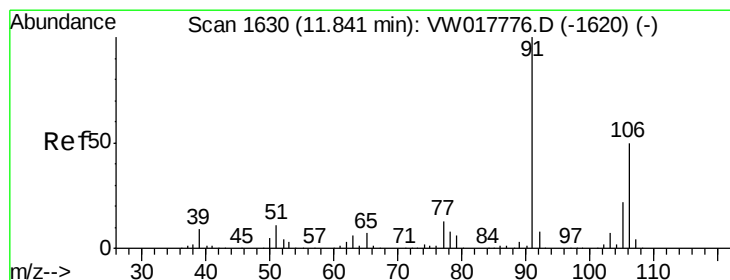
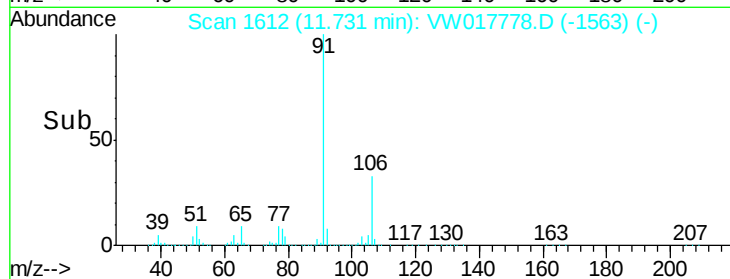
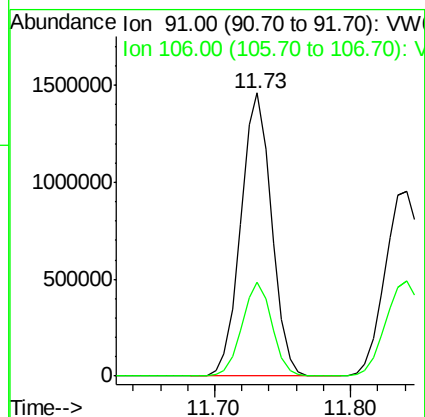
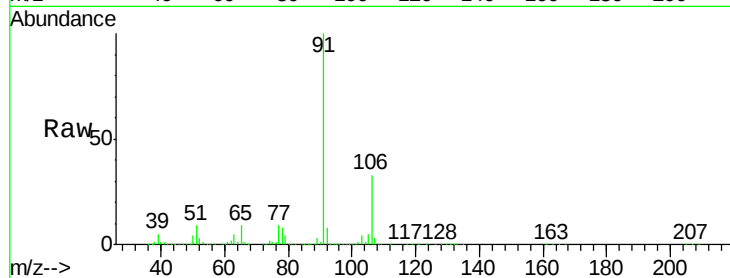
VSTD10001

Tgt Ion: 91 Resp: 2302170

Ion Ratio Lower Upper

91 100

106 33.1 22.5 41.7



#53

m,p-Xylene

Concen: 105.043 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017778.D

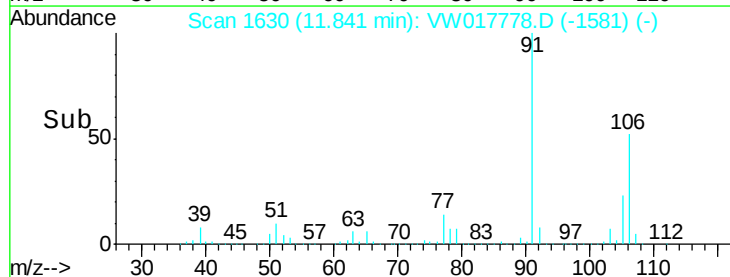
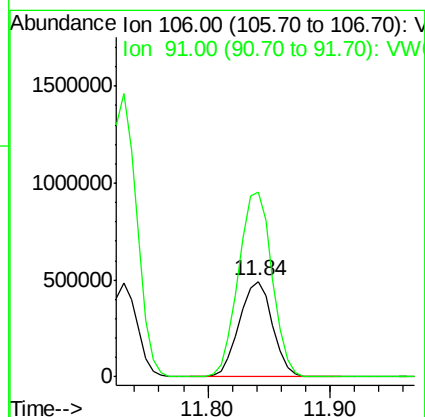
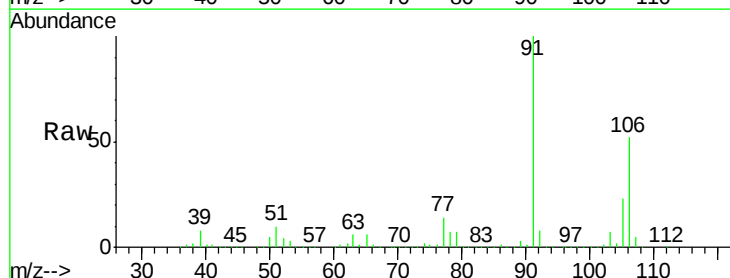
Acq: 30 Dec 2020 12:29

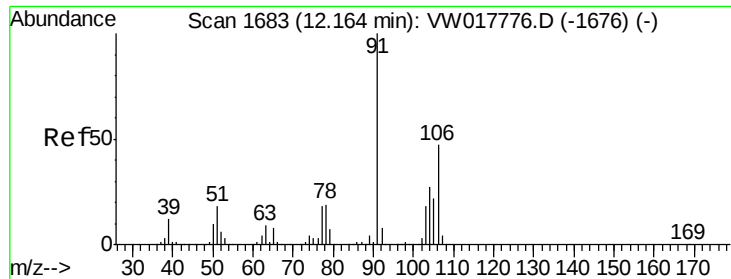
Tgt Ion: 106 Resp: 923866

Ion Ratio Lower Upper

106 100

91 193.5 141.3 262.3

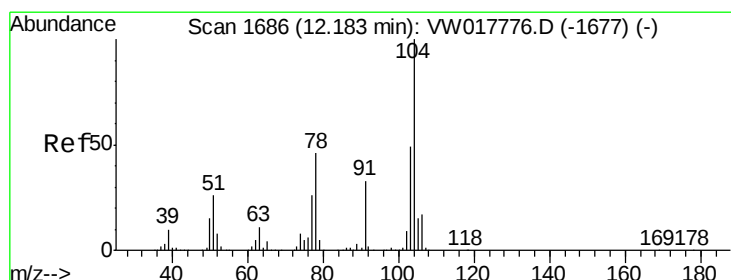
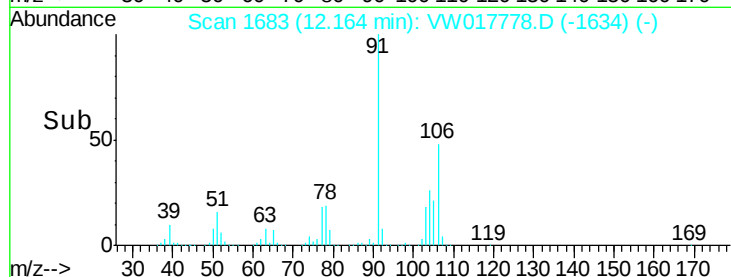
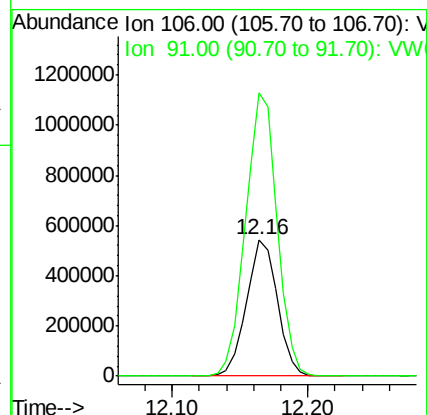
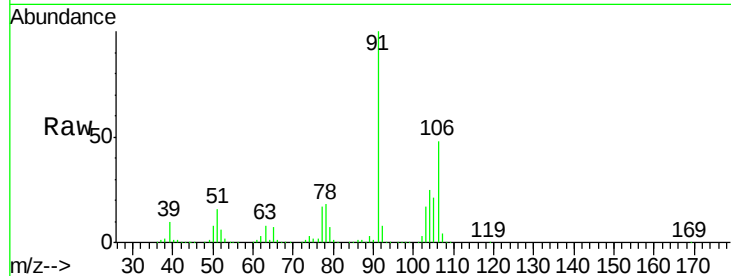




#54
o-Xylene
Concen: 103.041 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW017778.D
Acq: 30 Dec 2020 12:29

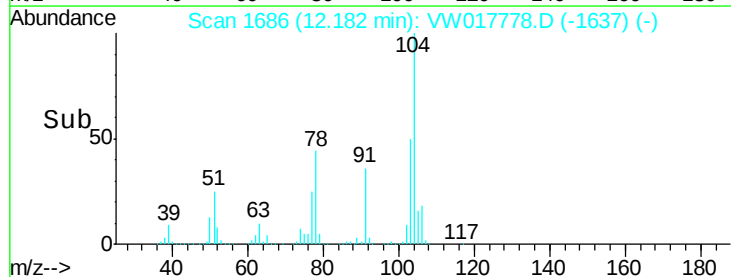
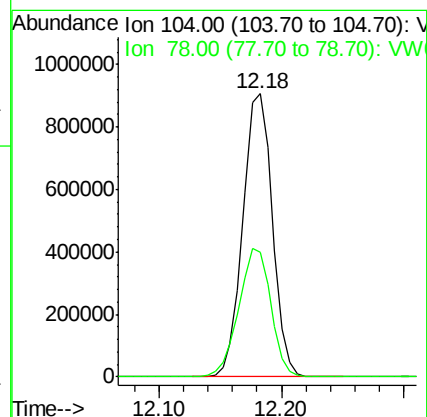
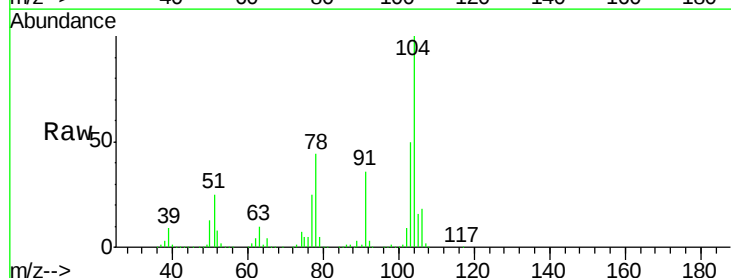
Instrument :
MSVOA_W
ClientSampled :
VSTD10001

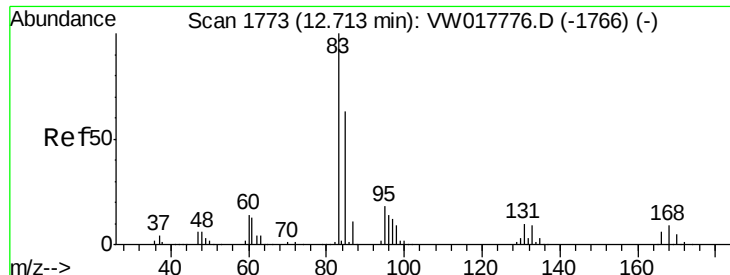
Tgt Ion:106 Resp: 865911
Ion Ratio Lower Upper
106 100
91 207.8 150.0 278.6



#55
Styrene
Concen: 106.310 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017778.D
Acq: 30 Dec 2020 12:29

Tgt Ion:104 Resp: 1520709
Ion Ratio Lower Upper
104 100
78 44.2 32.5 60.3

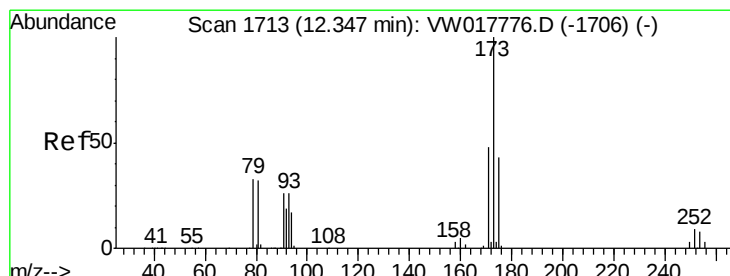
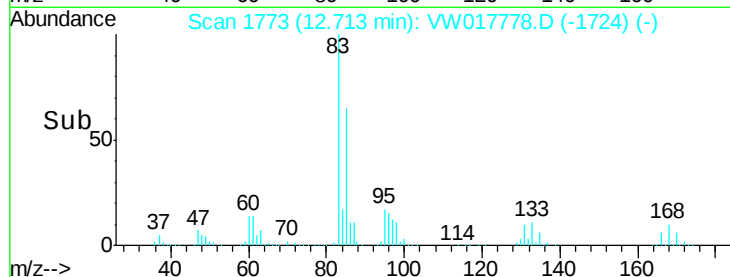
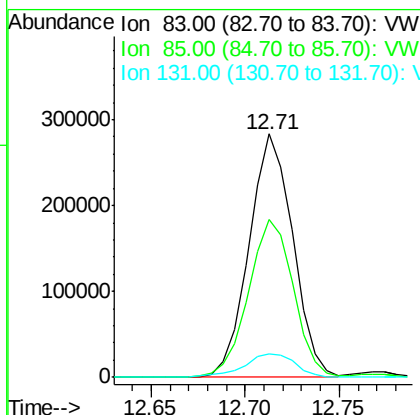
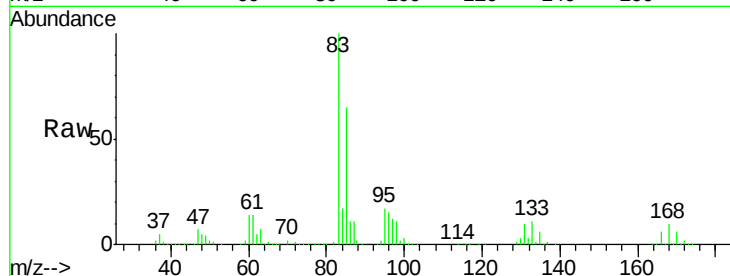




#57
 1,1,2,2-Tetrachloroethane
 Concen: 107.509 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW017778.D
 Acq: 30 Dec 2020 12:29

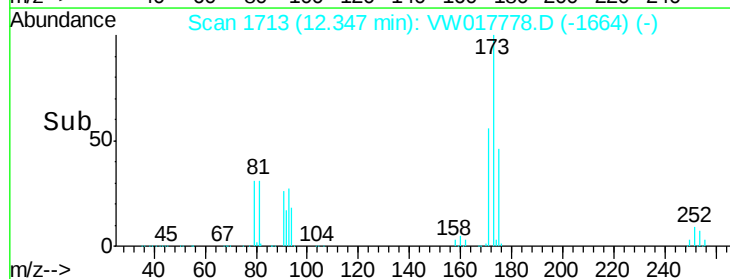
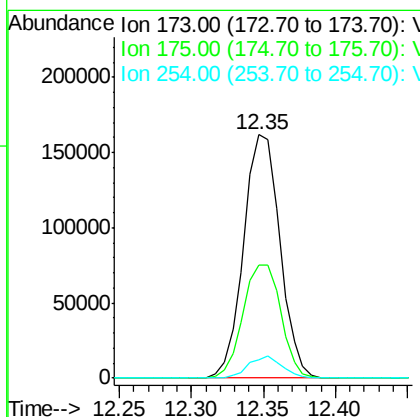
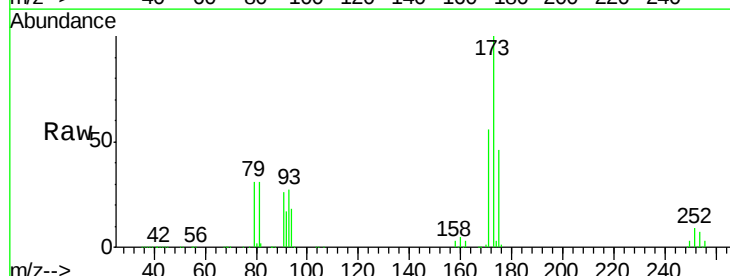
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

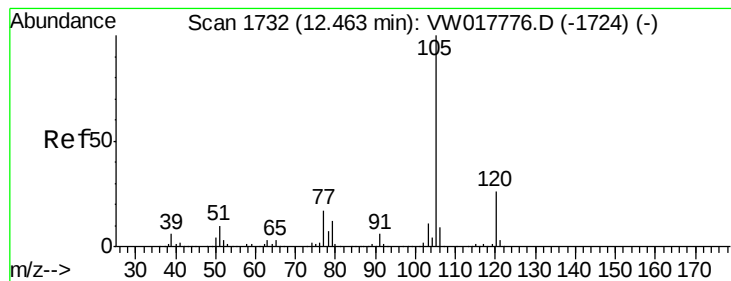
Tgt Ion: 83 Resp: 456432
 Ion Ratio Lower Upper
 83 100
 85 65.1 44.4 82.4
 131 9.8 8.2 12.4



#59
 Bromoform
 Concen: 118.009 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW017778.D
 Acq: 30 Dec 2020 12:29

Tgt Ion: 173 Resp: 282634
 Ion Ratio Lower Upper
 173 100
 175 48.6 37.5 56.3
 254 8.2 7.0 10.4





#60

Isopropylbenzene

Concen: 100.459 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD10001

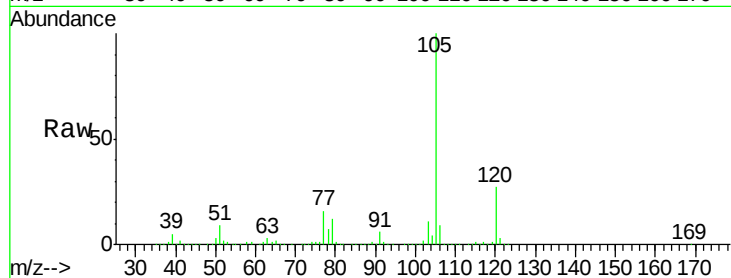
Tgt Ion:105 Resp: 2414738

Ion Ratio Lower Upper

105 100

120 26.9 21.1 31.7

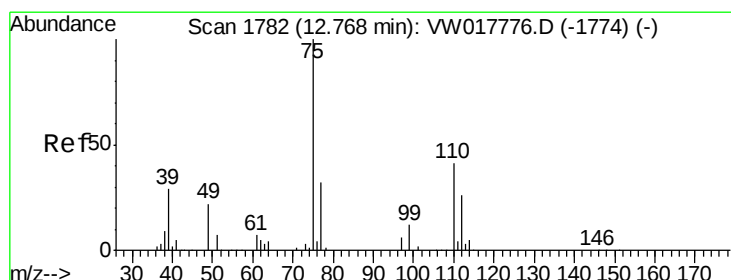
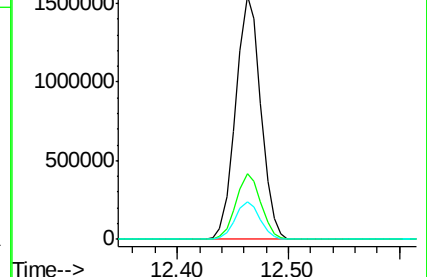
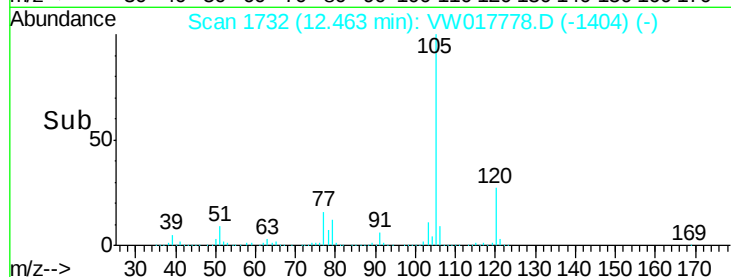
77 15.4 13.2 19.8



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: 101.113 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

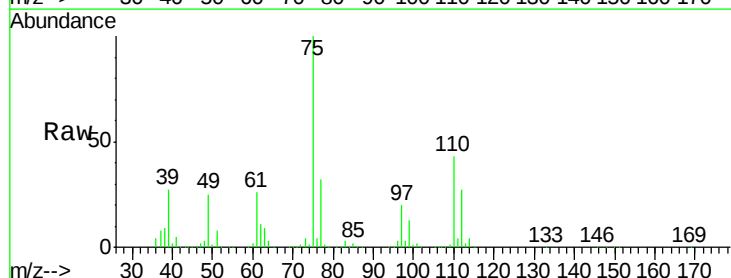
Tgt Ion: 75 Resp: 341787

Ion Ratio Lower Upper

75 100

77 32.4 25.3 37.9

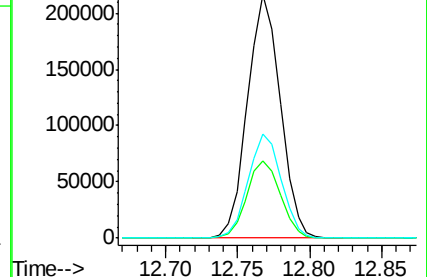
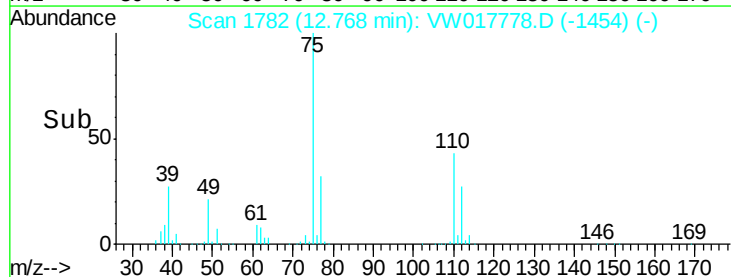
110 43.1 32.6 48.8

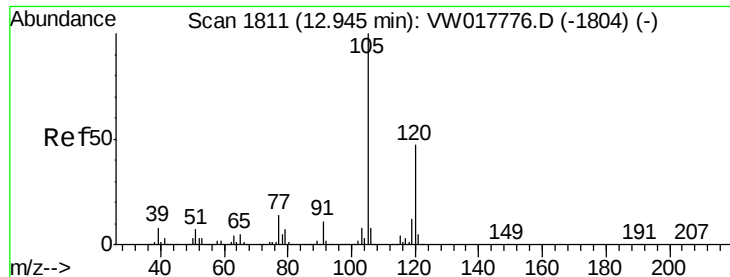


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 99.450 ug/L

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA_W

ClientSampleId :

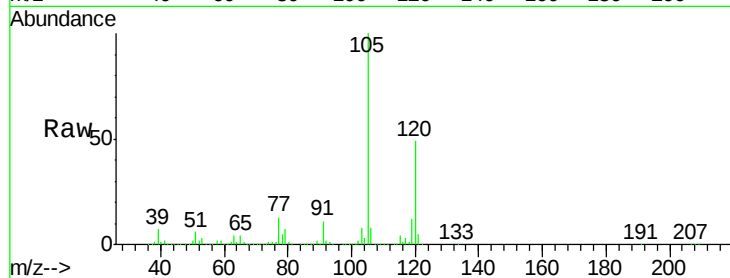
VSTD10001

Tgt Ion:105 Resp: 1945687

Ion Ratio Lower Upper

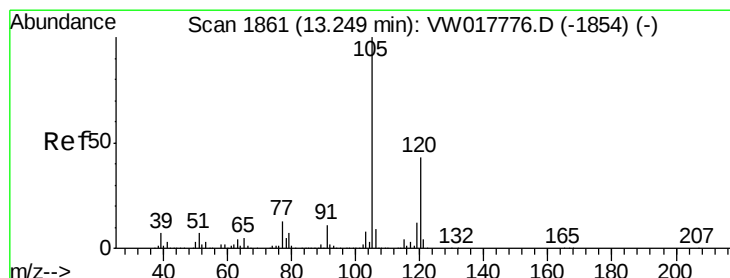
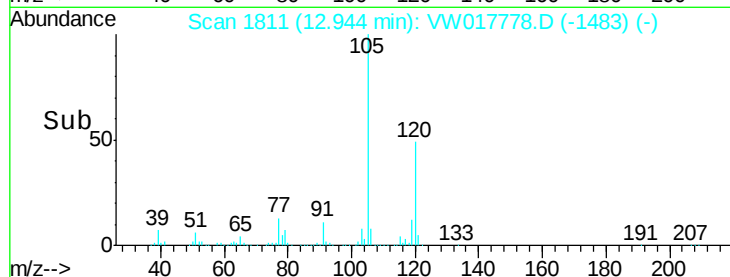
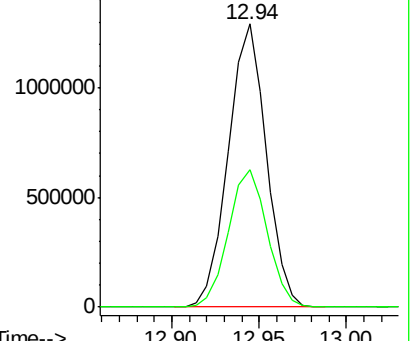
105 100

120 49.6 39.0 58.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 99.622 ug/L

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW017778.D

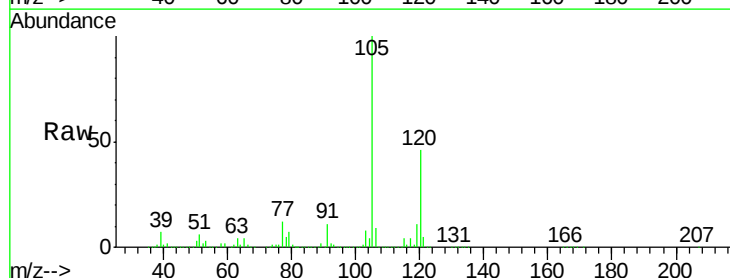
Acq: 30 Dec 2020 12:29

Tgt Ion:105 Resp: 1980532

Ion Ratio Lower Upper

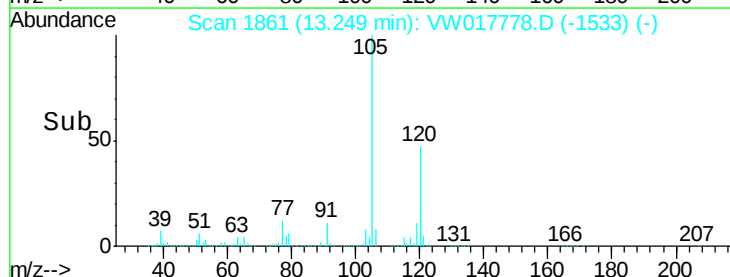
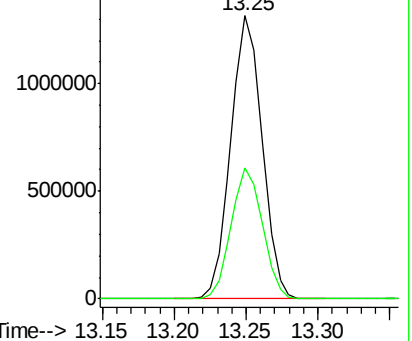
105 100

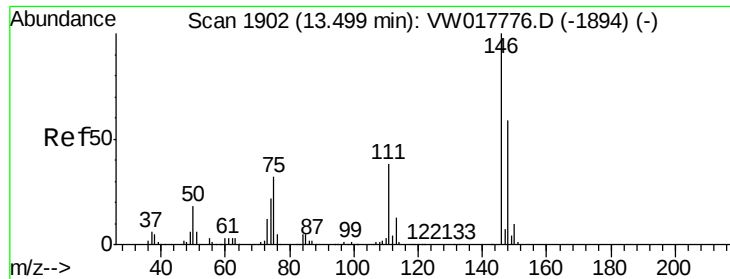
120 46.2 35.6 53.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 98.836 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD10001

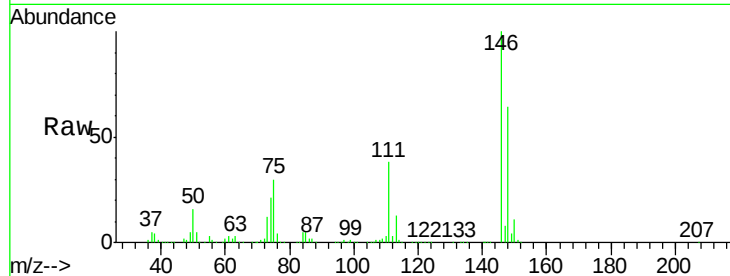
Tgt Ion:146 Resp: 1030744

Ion Ratio Lower Upper

146 100

111 38.4 26.7 49.7

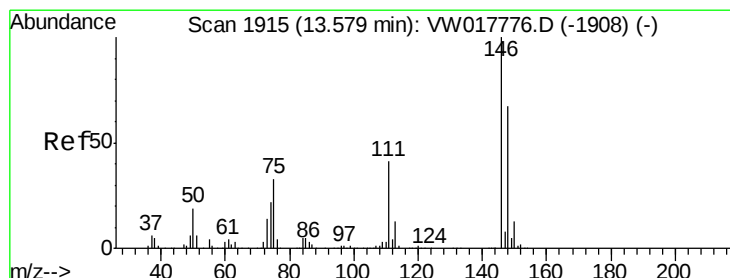
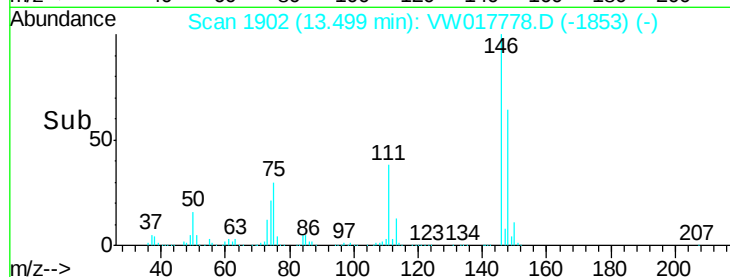
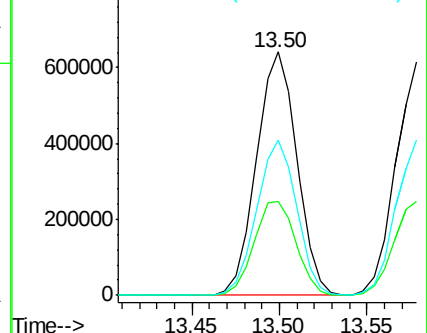
148 64.0 41.1 76.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 96.352 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW017778.D

Acq: 30 Dec 2020 12:29

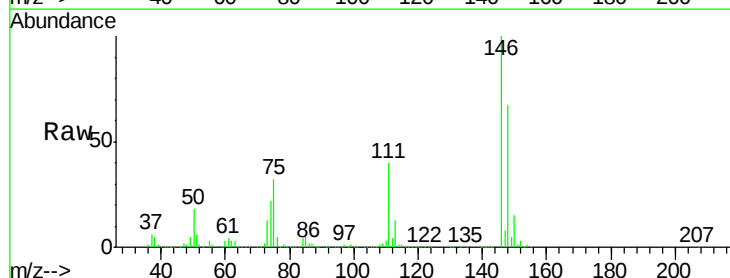
Tgt Ion:146 Resp: 995862

Ion Ratio Lower Upper

146 100

111 40.4 28.8 53.4

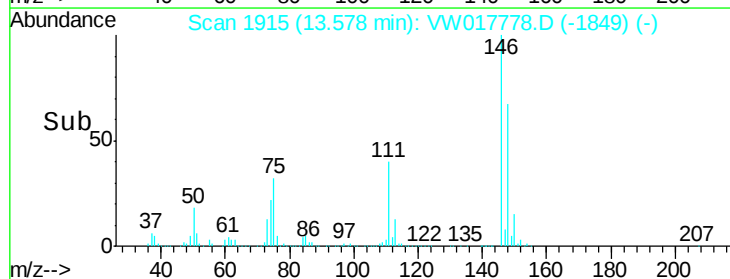
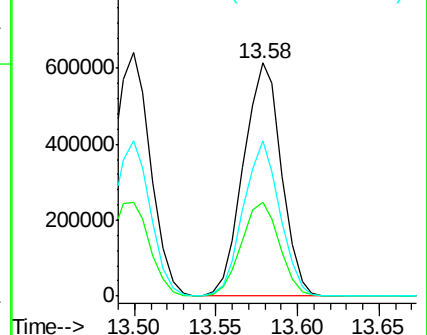
148 66.7 46.8 87.0

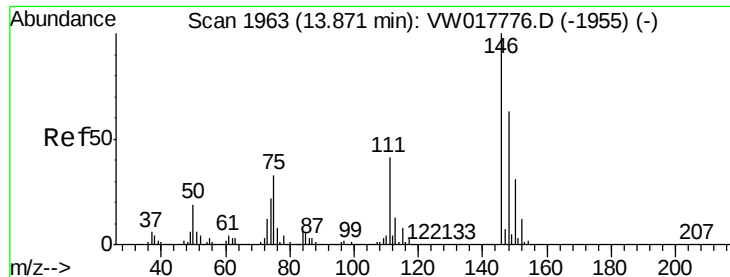


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

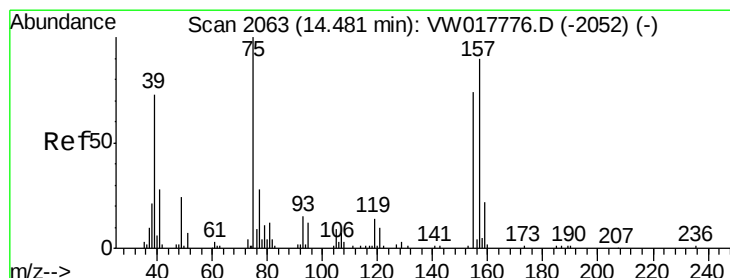
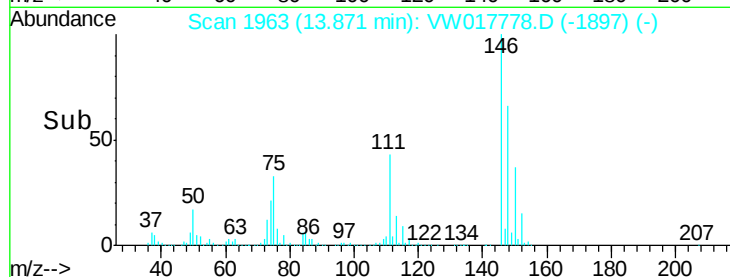
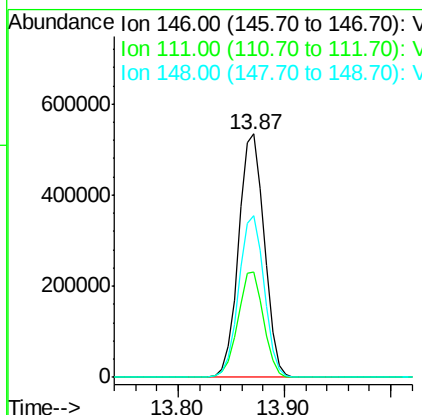
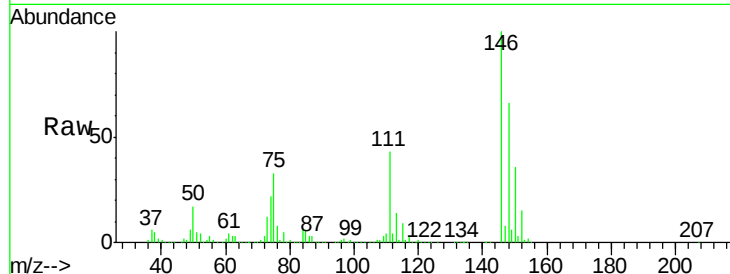




#67
 1,2-Dichlorobenzene
 Concen: 95.751 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017778.D
 Acq: 30 Dec 2020 12:29

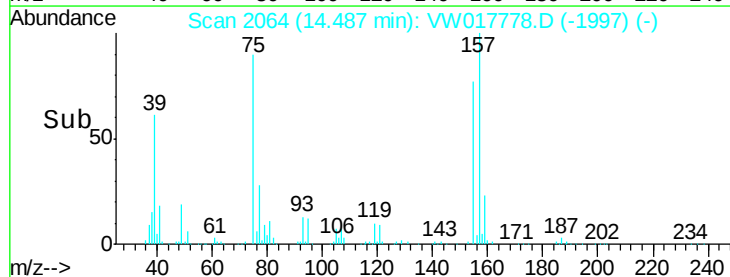
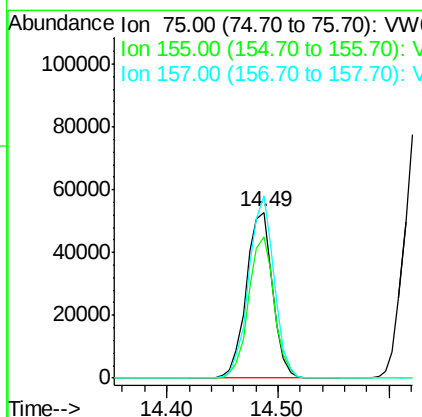
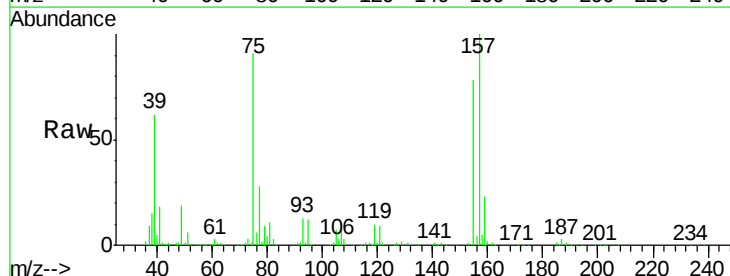
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

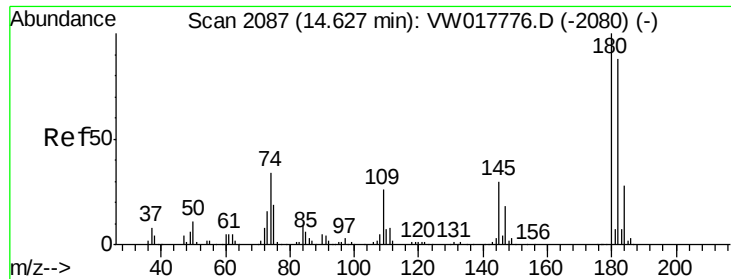
Tgt Ion: 146 Resp: 906070
 Ion Ratio Lower Upper
 146 100
 111 43.3 33.2 49.8
 148 66.4 50.4 75.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 111.961 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW017778.D
 Acq: 30 Dec 2020 12:29

Tgt Ion: 75 Resp: 86911
 Ion Ratio Lower Upper
 75 100
 155 85.3 59.4 89.0
 157 110.0 72.2 108.2#

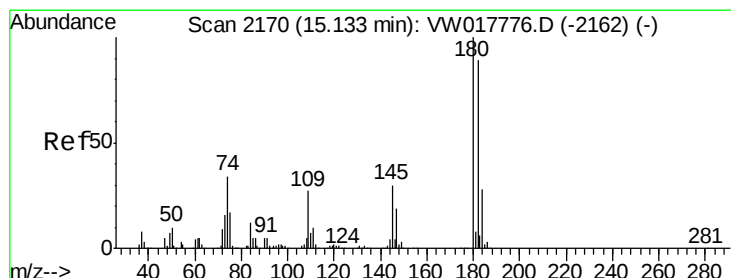
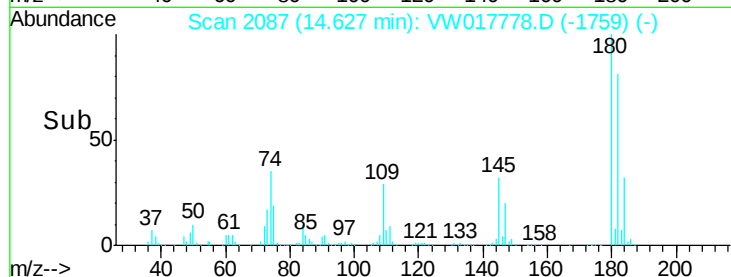
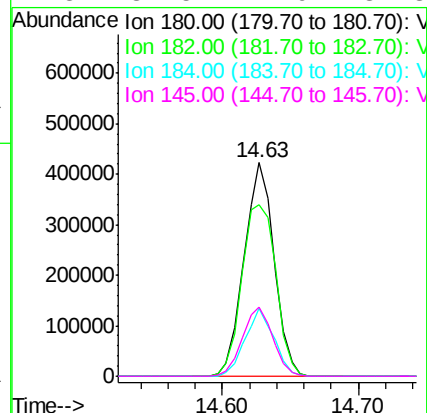
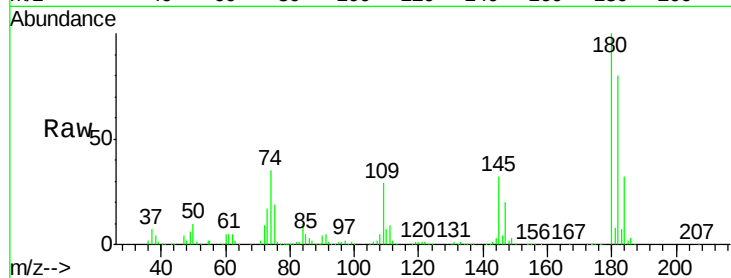




#69
 1,3,5-Trichlorobenzene
 Concen: 91.994 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017778.D
 Acq: 30 Dec 2020 12:29

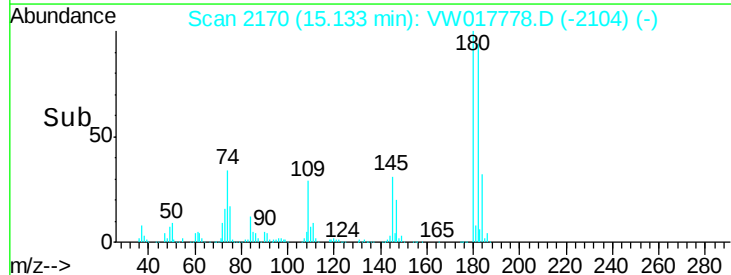
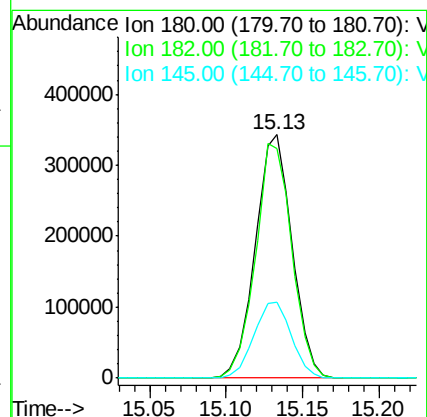
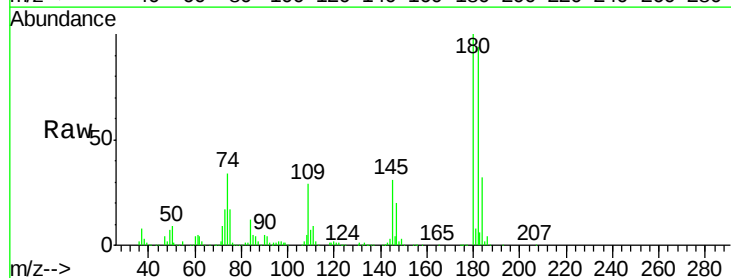
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

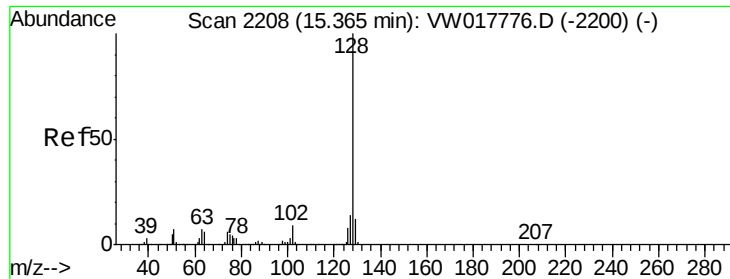
Tgt Ion:180 Resp: 653105
 Ion Ratio Lower Upper
 180 100
 182 91.5 73.4 110.2
 184 30.3 23.6 35.4
 145 32.5 24.9 37.3



#70
 1,2,4-trichlorobenzene
 Concen: 93.604 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017778.D
 Acq: 30 Dec 2020 12:29

Tgt Ion:180 Resp: 573394
 Ion Ratio Lower Upper
 180 100
 182 95.3 74.7 112.1
 145 32.1 25.0 37.4

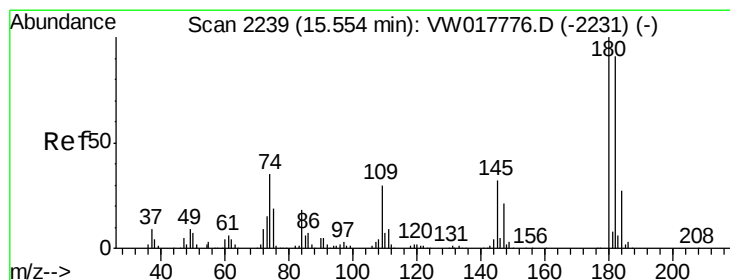
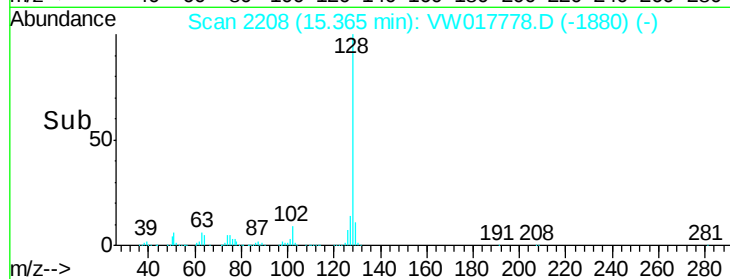
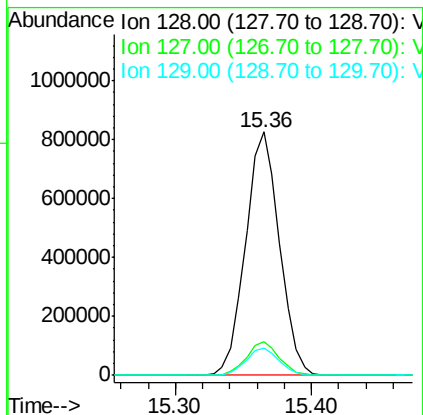
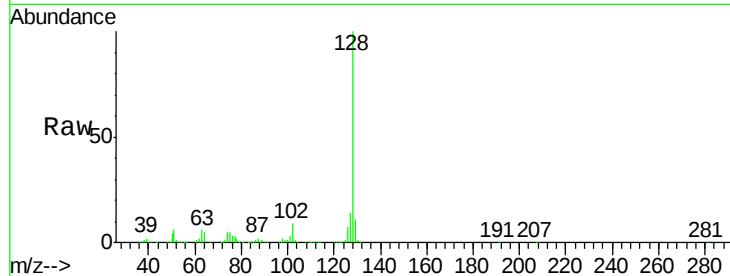




#71
Naphthalene
Concen: 108.666 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW017778.D
Acq: 30 Dec 2020 12:29

Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

Tgt Ion:128 Resp: 1442365
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 11.0 9.0 13.6



#72
1,2,3-Trichlorobenzene
Concen: 96.526 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW017778.D
Acq: 30 Dec 2020 12:29

Tgt Ion:180 Resp: 517216
Ion Ratio Lower Upper
180 100
182 96.9 76.7 115.1
145 34.3 28.9 43.3

