

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW123020\
 Data File : VW017774.D
 Acq On : 30 Dec 2020 10:44
 Operator : SY/VA
 Sample : VSTD2.503
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

Quant Time: Dec 30 12:29:51 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	277635	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	252669	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	124827	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	12268	2.82	ug/L	0.00
7) Chloroethane-d5	2.89	69	10238	2.72	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.02	63	10800	1.39	ug/L	0.00
21) 2-Butanone-d5	7.09	46	4773	4.87	ug/L	0.00
24) Chloroform-d	7.65	84	20215	2.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	12383	2.87	ug/L	0.00
32) Benzene-d6	8.27	84	38512	2.67	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.27	67	11035	2.66	ug/L	0.00
41) Toluene-d8	10.32	98	34839	2.52	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.58	79	4717	2.34	ug/L	0.00
47) 2-Hexanone-d5	10.93	63	3941	5.75	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.69	84	10256	2.78	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.85	152	12667	2.86	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	9052	2.774 ug/L	91
3) Chloromethane	2.21	50	7580	2.651 ug/L	99
5) Vinyl chloride	2.36	62	12205	2.573 ug/L	90
6) Bromomethane	2.78	94	9410	2.305 ug/L	91
8) Chloroethane	2.93	64	7534	2.409 ug/L	95
9) Trichlorofluoromethane	3.26	101	7782	2.327 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	9583	2.618 ug/L #	75
12) 1,1-Dichloroethene	4.04	96	9101	2.610 ug/L	93
14) Carbon disulfide	4.39	76	22788	2.121 ug/L	99
15) Methyl Acetate	4.68	43	4361	2.634 ug/L	94
16) Methylene chloride	4.93	84	15811	3.615 ug/L	94
17) trans-1,2-Dichloroethene	5.43	96	9659	2.491 ug/L	98
18) Methyl tert-butyl Ether	5.43	73	12190	2.427 ug/L #	77
19) 1,1-Dichloroethane	6.21	63	16676	2.448 ug/L	93
20) cis-1,2-Dichloroethene	7.17	96	9731	2.340 ug/L	88
22) 2-Butanone	7.17	43	9261	8.466 ug/L #	55
23) Bromochloromethane	7.51	128	4796	2.546 ug/L	79
25) Chloroform	7.67	83	17584	2.446 ug/L	97
27) 1,2-Dichloroethane	8.40	62	12829	2.552 ug/L	97
29) Cyclohexane	7.95	56	14279	2.322 ug/L	99
30) 1,1,1-Trichloroethane	7.87	97	15219	2.577 ug/L	97
31) Carbon tetrachloride	8.07	117	13422	2.378 ug/L	97
33) Benzene	8.32	78	37394	2.481 ug/L	100
34) Trichloroethene	9.09	95	10249	2.506 ug/L	94
35) Methylcyclohexane	9.34	83	16500	2.352 ug/L	97
37) 1,2-Dichloropropane	9.37	63	8861	2.421 ug/L	98
38) Bromodichloromethane	9.65	83	12393	2.410 ug/L	95
39) cis-1,3-Dichloropropene	10.07	75	12545	2.103 ug/L	97
40) 4-Methyl-2-pentanone	10.21	43	13354	5.883 ug/L	98
42) Toluene	10.39	91	40043	2.354 ug/L	97

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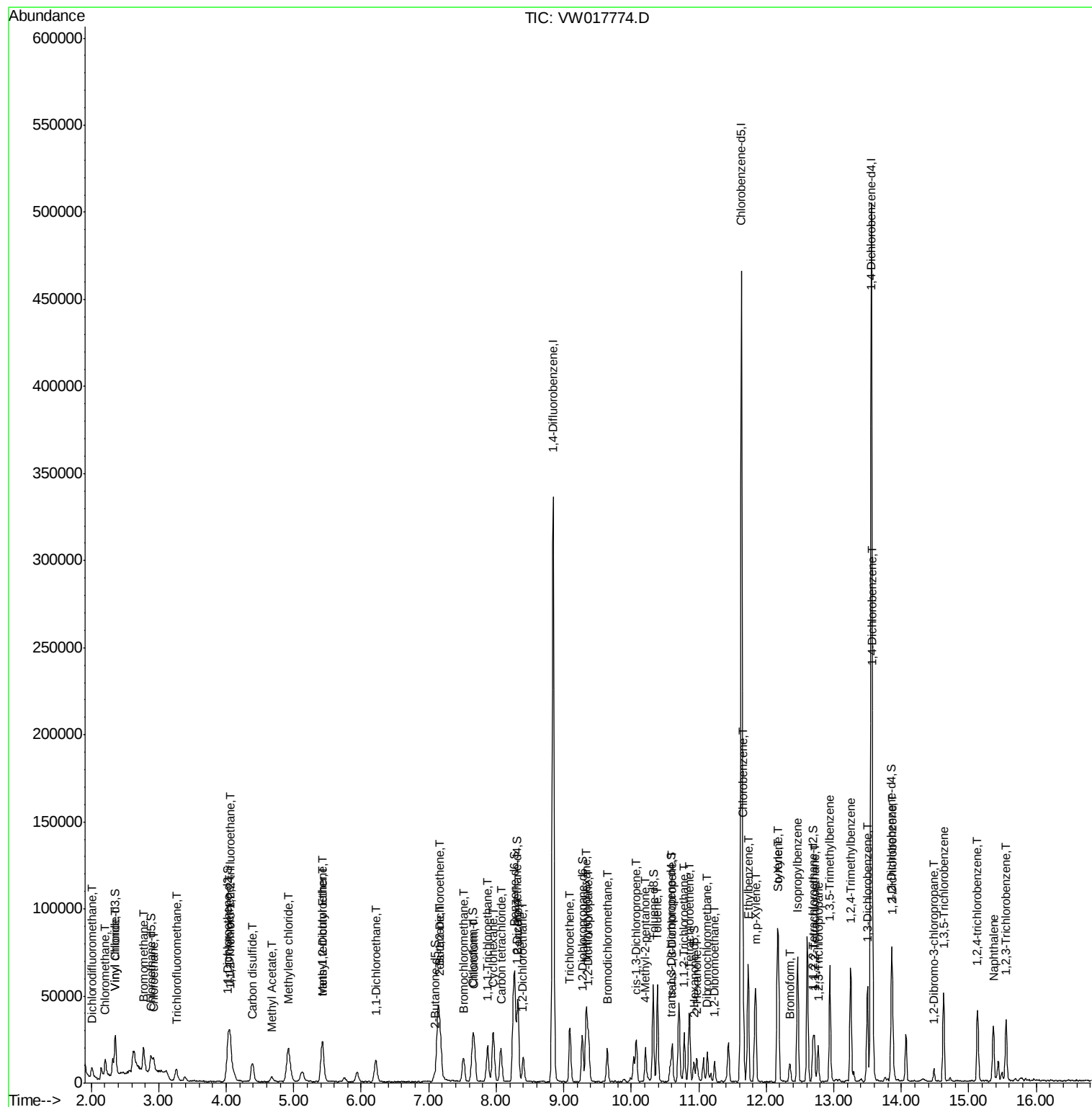
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	10.61	75	11099	2.058	ug/L	99
45) 1,1,2-Trichloroethane	10.79	97	7808	2.654	ug/L	95
46) Tetrachloroethene	10.86	164	7691	2.446	ug/L	96
48) 2-Hexanone	10.97	43	9751	6.210	ug/L #	88
49) Dibromochloromethane	11.13	129	7998	2.296	ug/L	82
50) 1,2-Dibromoethane	11.24	107	7385	2.562	ug/L	98
51) Chlorobenzene	11.66	112	25672	2.393	ug/L	95
52) Ethylbenzene	11.73	91	45012	2.330	ug/L	100
53) m,p-Xylene	11.84	106	16798	2.263	ug/L	99
54) o-Xylene	12.16	106	15599	2.199	ug/L	99
55) Styrene	12.18	104	25739	2.132	ug/L	86
57) 1,1,2,2-Tetrachloroethane	12.71	83	10029	2.799	ug/L	100
59) Bromoform	12.35	173	4382	2.419	ug/L #	86
60) Isopropylbenzene	12.46	105	43968	2.418	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	7665	2.998	ug/L #	94
62) 1,3,5-Trimethylbenzene	12.94	105	34390	2.324	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	34106	2.268	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	19605	2.485	ug/L	95
65) 1,4-Dichlorobenzene	13.58	146	19928	2.549	ug/L	98
67) 1,2-Dichlorobenzene	13.87	146	17546	2.451	ug/L	92
68) 1,2-Dibromo-3-chloropropan	14.49	75	1761	2.999	ug/L	96
69) 1,3,5-Trichlorobenzene	14.63	180	13499	2.513	ug/L	97
70) 1,2,4-trichlorobenzene	15.13	180	12409	2.678	ug/L	94
71) Naphthalene	15.36	128	26298	2.619	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	10945	2.700	ug/L	96

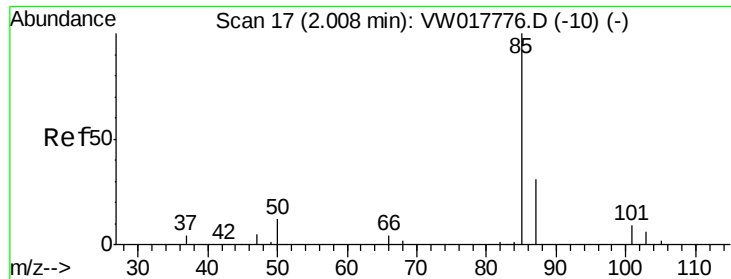
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.774 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

Instrument :

MSVOA_W

ClientSampleId :

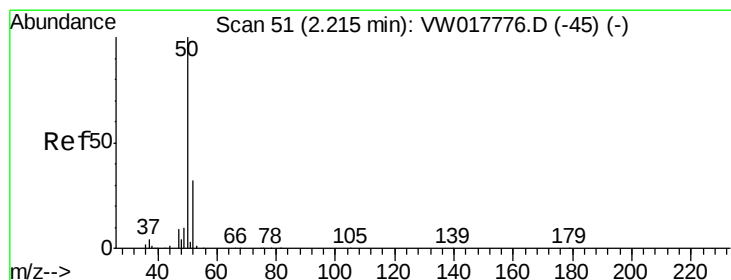
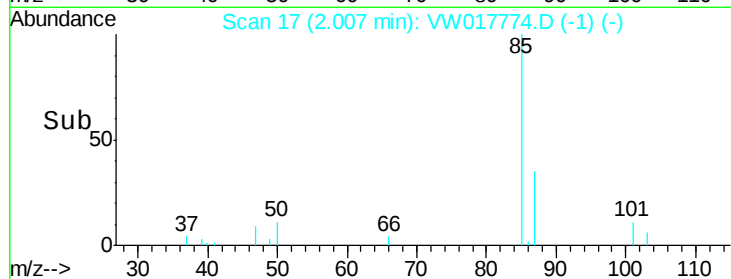
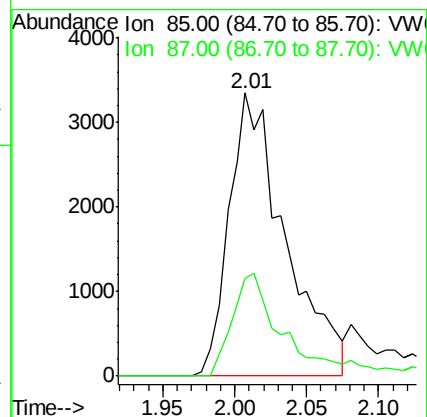
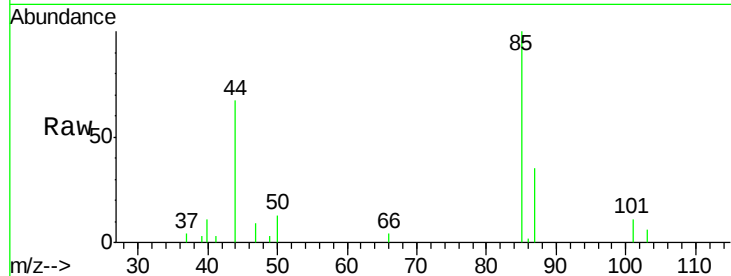
VSTD2.503

Tgt Ion: 85 Resp: 9052

Ion Ratio Lower Upper

85 100

87 24.1 23.3 34.9



#3

Chloromethane

Concen: 2.651 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW017774.D

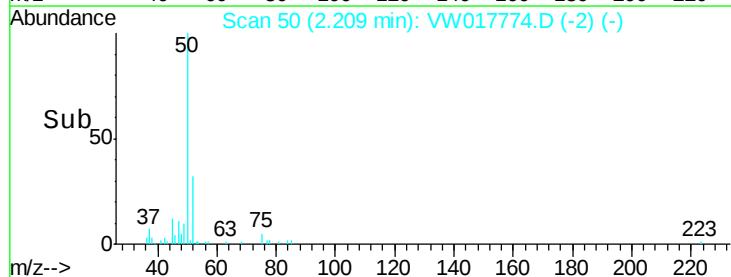
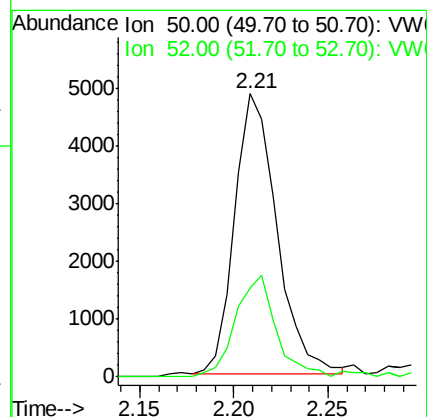
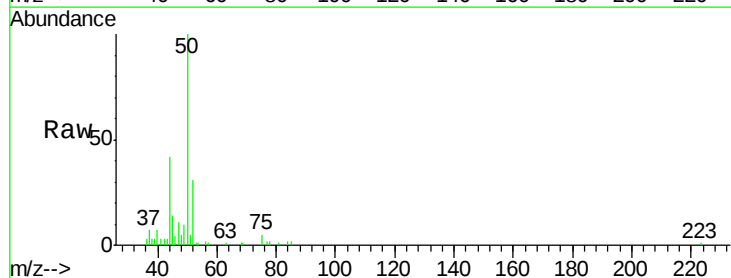
Acq: 30 Dec 2020 10:44

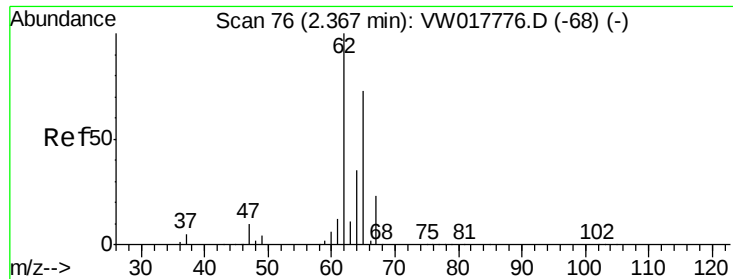
Tgt Ion: 50 Resp: 7580

Ion Ratio Lower Upper

50 100

52 31.5 22.5 41.9





#5

Vinyl chloride

Concen: 2.573 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

Instrument :

MSVOA_W

ClientSampleId :

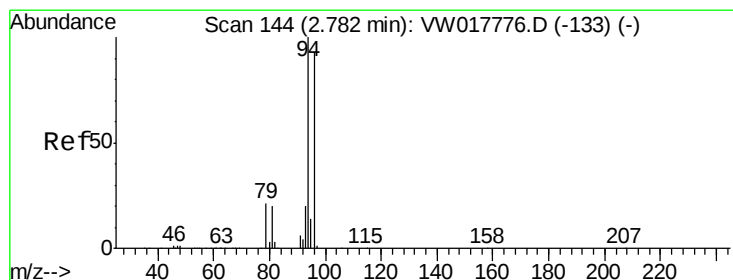
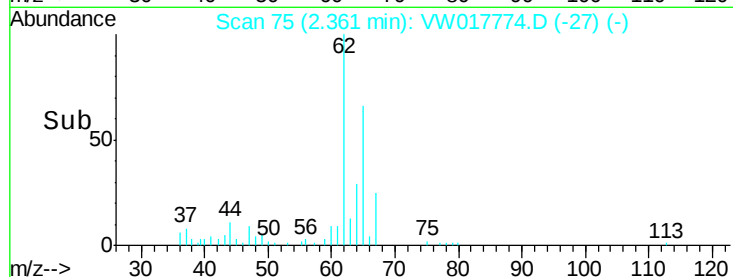
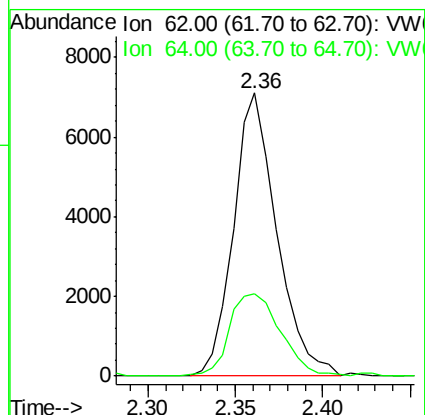
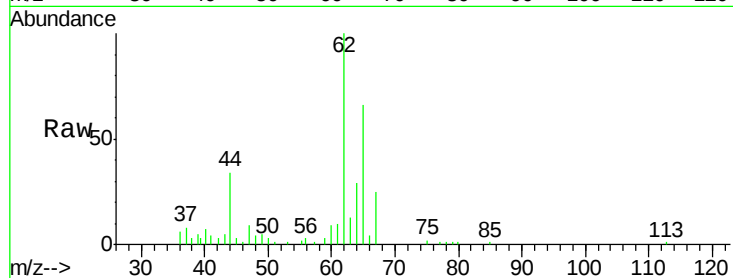
VSTD2.503

Tgt Ion: 62 Resp: 12205

Ion Ratio Lower Upper

62 100

64 29.0 24.2 45.0



#6

Bromomethane

Concen: 2.305 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW017774.D

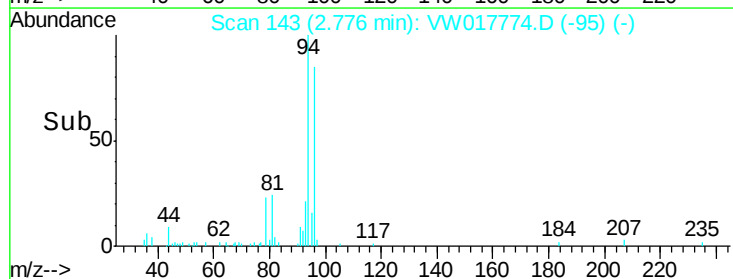
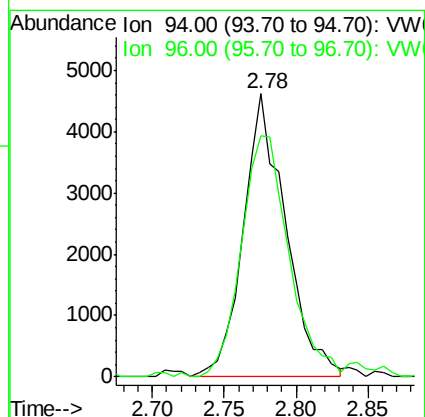
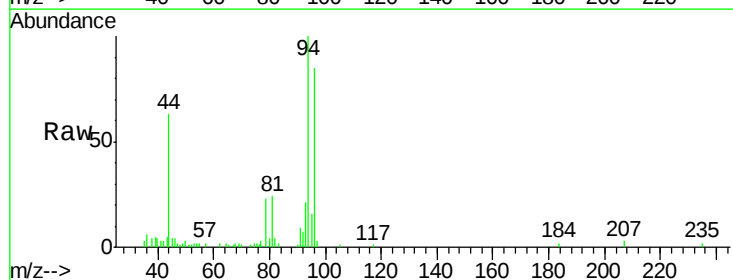
Acq: 30 Dec 2020 10:44

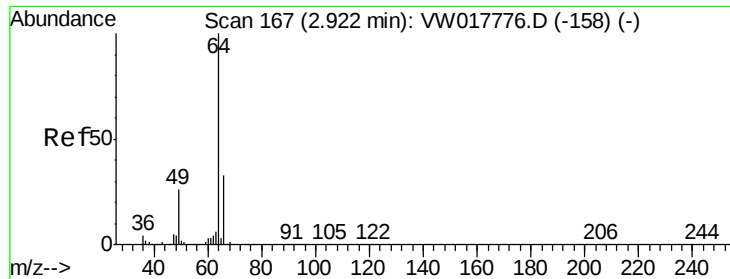
Tgt Ion: 94 Resp: 9410

Ion Ratio Lower Upper

94 100

96 85.1 65.3 121.3





#8

Chloroethane

Concen: 2.409 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

Instrument :

MSVOA_W

ClientSampleId :

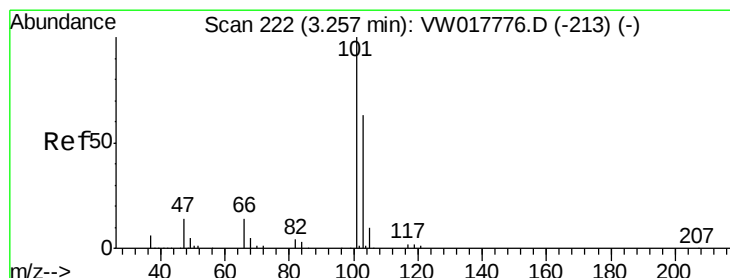
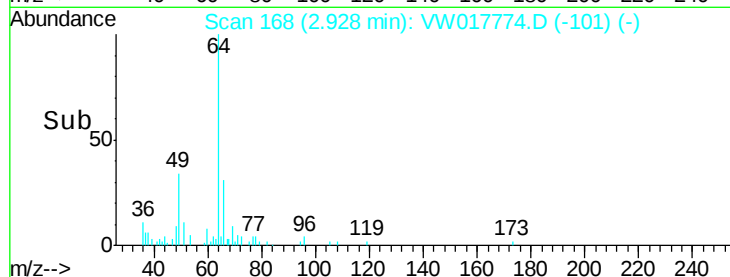
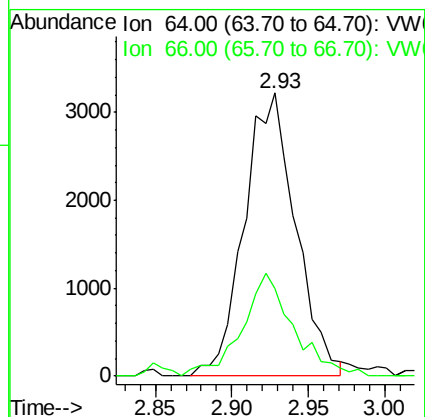
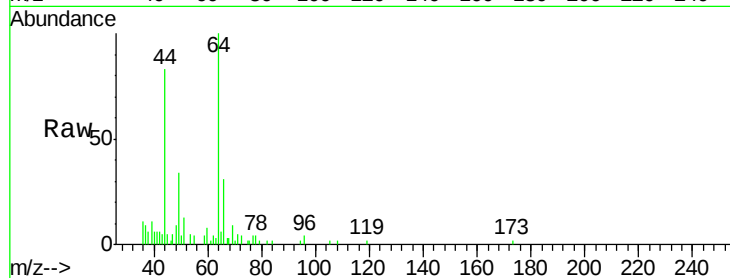
VSTD2.503

Tgt Ion: 64 Resp: 7534

Ion Ratio Lower Upper

64 100

66 30.8 23.4 43.6



#9

Trichlorofluoromethane

Concen: 2.327 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW017774.D

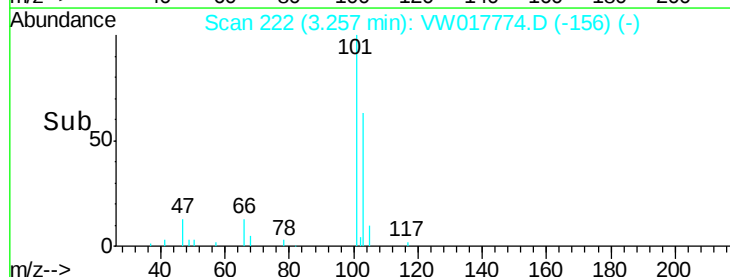
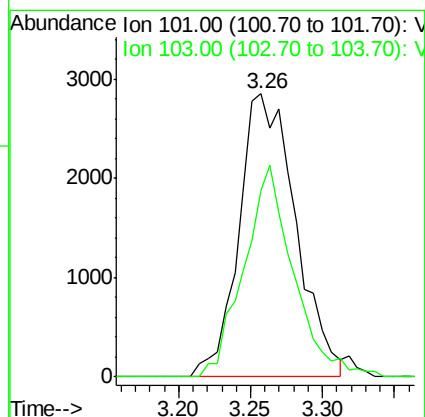
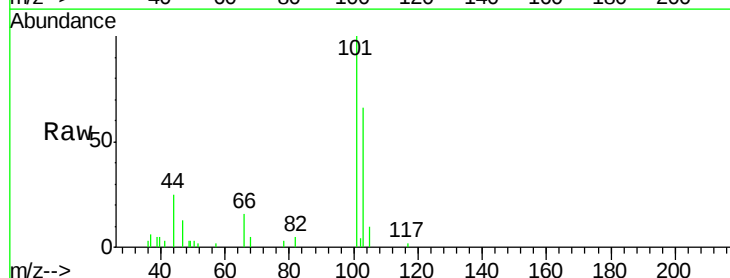
Acq: 30 Dec 2020 10:44

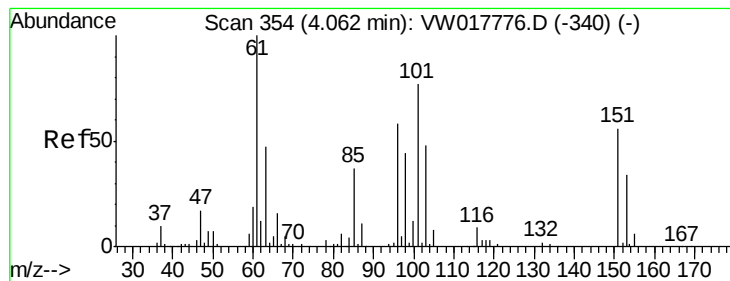
Tgt Ion: 101 Resp: 7782

Ion Ratio Lower Upper

101 100

103 64.3 51.0 76.4





#10

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

Concen: 2.618 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

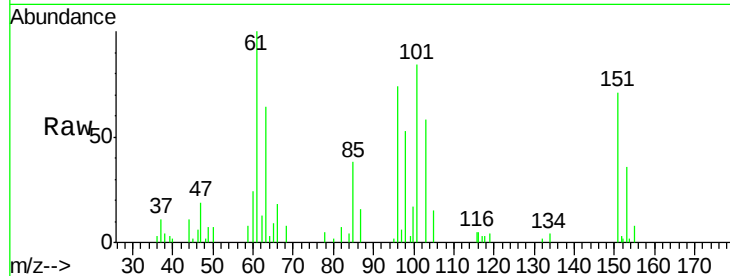
Tgt Ion: 101 Resp: 9583

Ion Ratio Lower Upper

101 100

85 5.6 38.2 57.2#

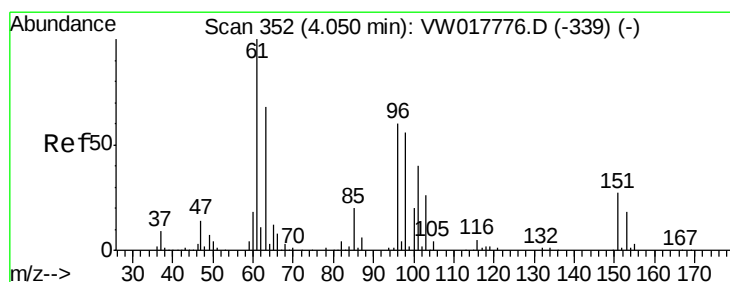
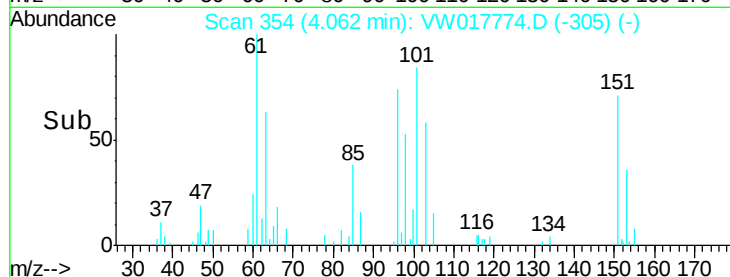
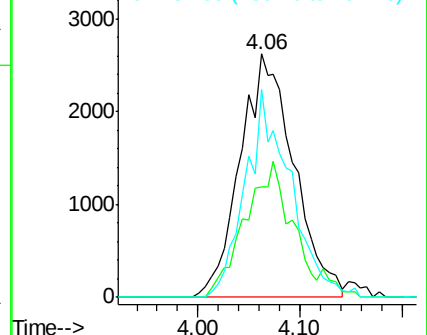
151 70.9 56.6 85.0



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: 2.610 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

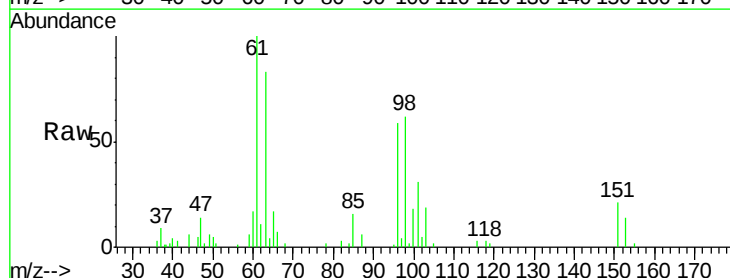
Tgt Ion: 96 Resp: 9101

Ion Ratio Lower Upper

96 100

61 168.8 118.1 219.3

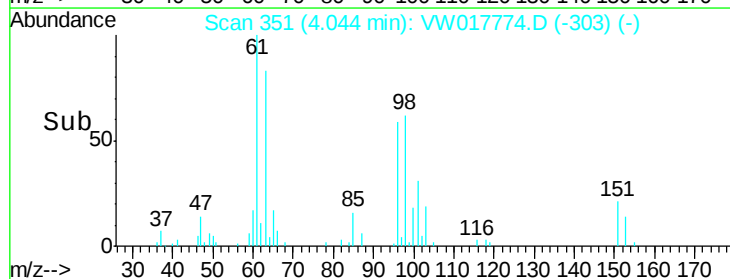
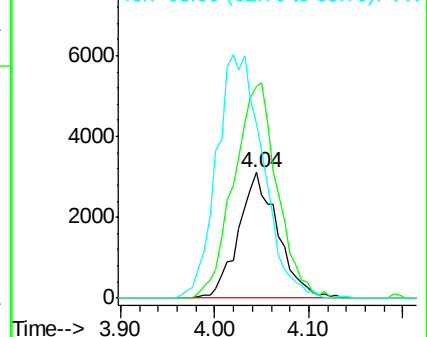
63 139.3 83.7 155.5

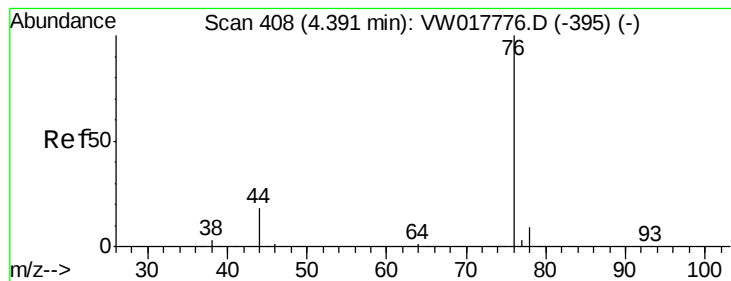


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#14

Carbon disulfide

Concen: 2.121 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

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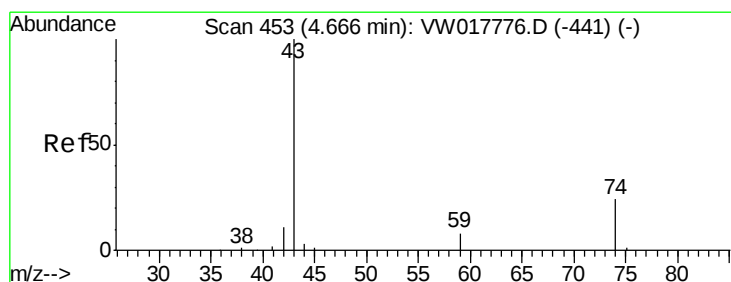
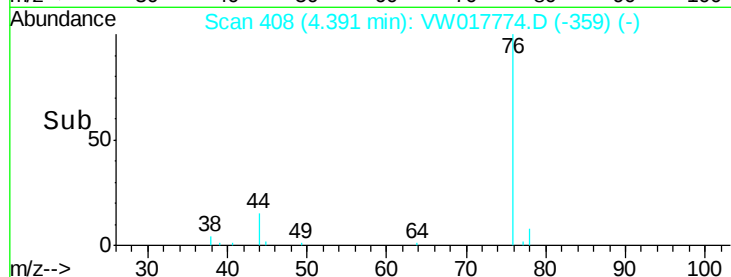
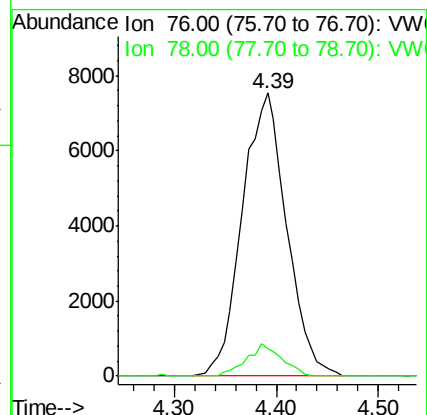
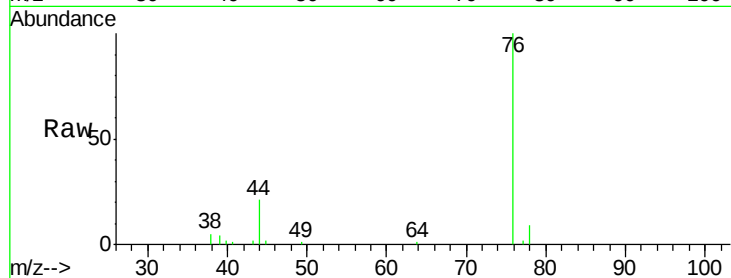
VSTD2.503

Tgt Ion: 76 Resp: 22788

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0



#15

Methyl Acetate

Concen: 2.634 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW017774.D

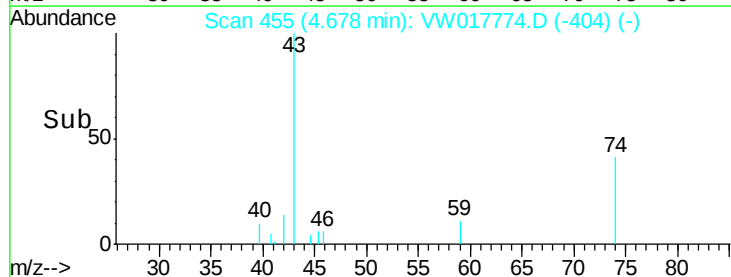
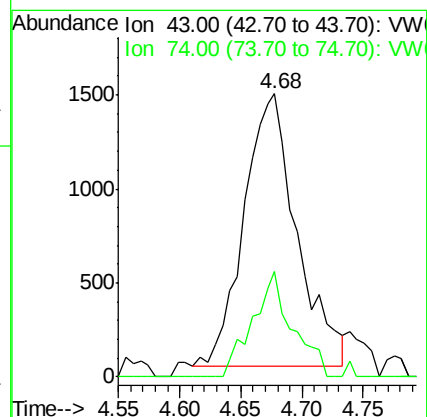
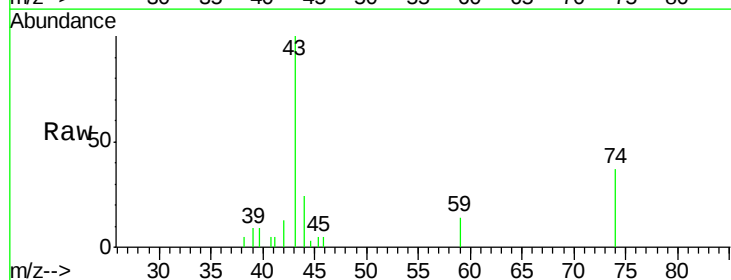
Acq: 30 Dec 2020 10:44

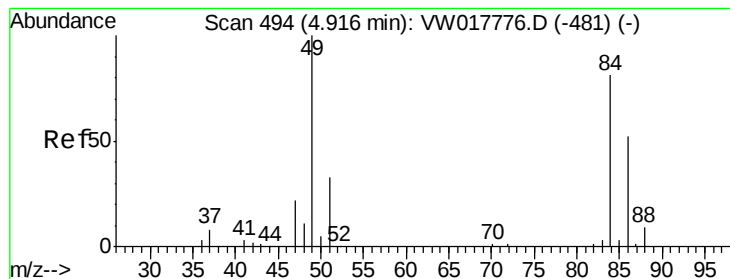
Tgt Ion: 43 Resp: 4361

Ion Ratio Lower Upper

43 100

74 27.9 20.0 30.0





#16

Methylene chloride

Concen: 3.615 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

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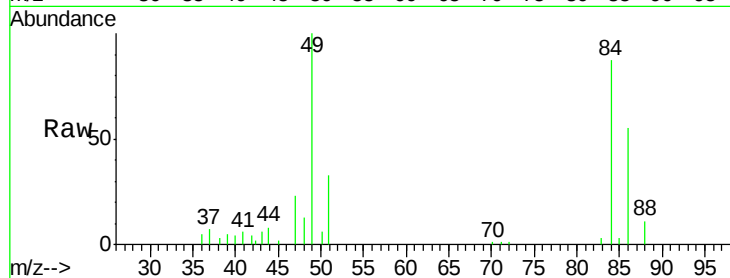
Tgt Ion: 84 Resp: 15811

Ion Ratio Lower Upper

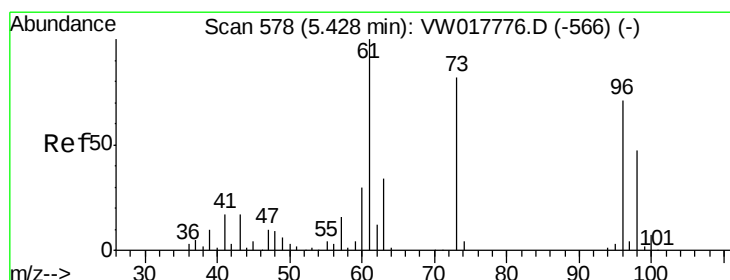
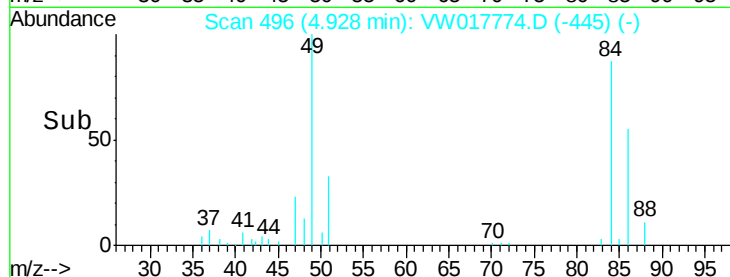
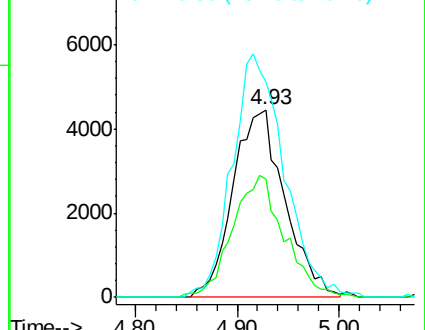
84 100

86 63.2 45.3 84.1

49 114.9 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: 2.491 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

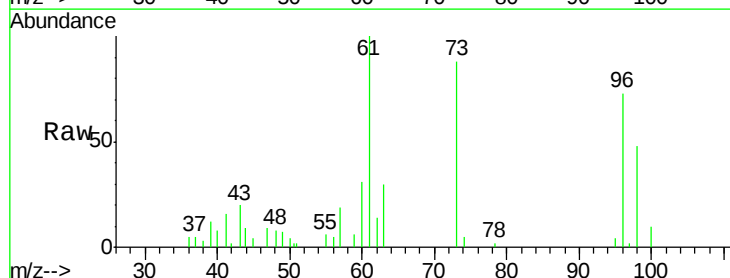
Tgt Ion: 96 Resp: 9659

Ion Ratio Lower Upper

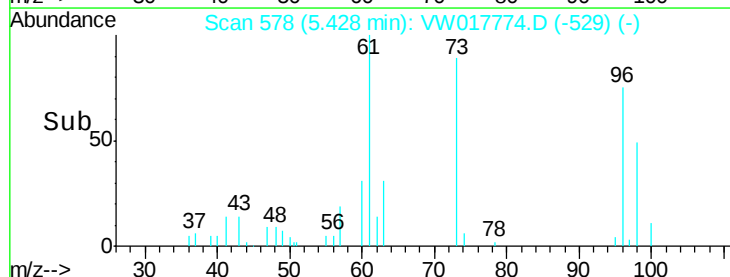
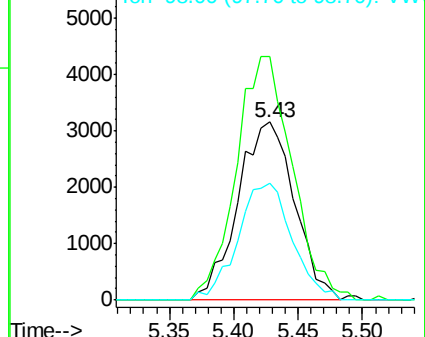
96 100

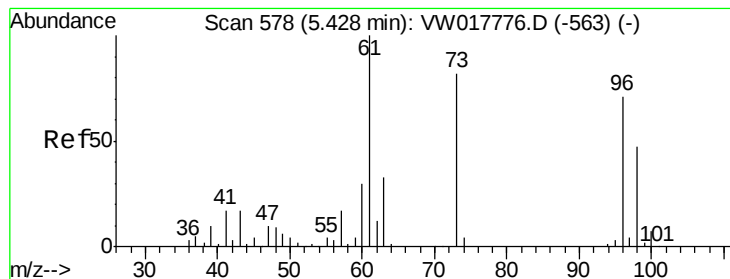
61 136.8 98.3 182.7

98 65.5 46.1 85.7



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: 2.427 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

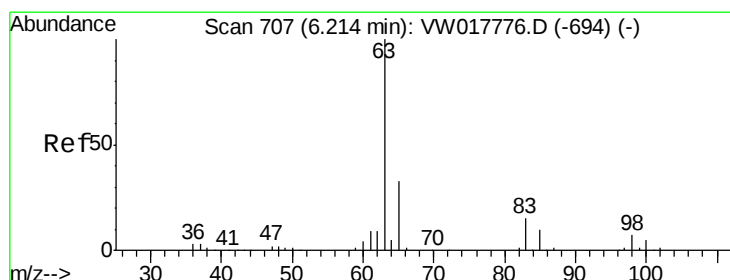
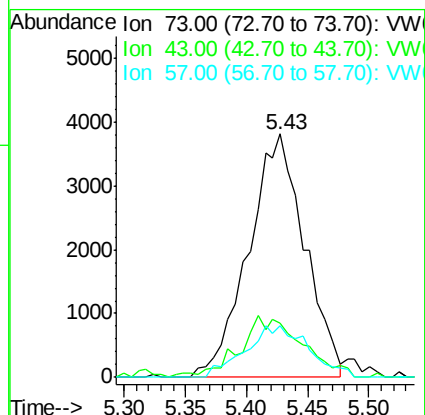
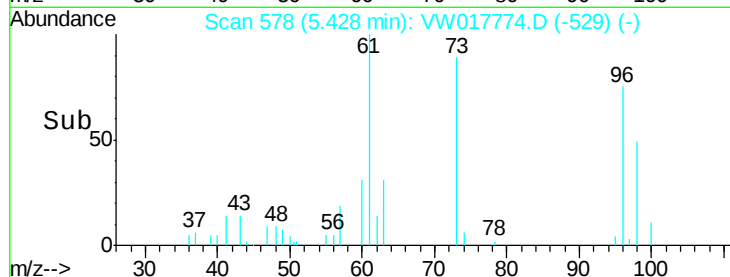
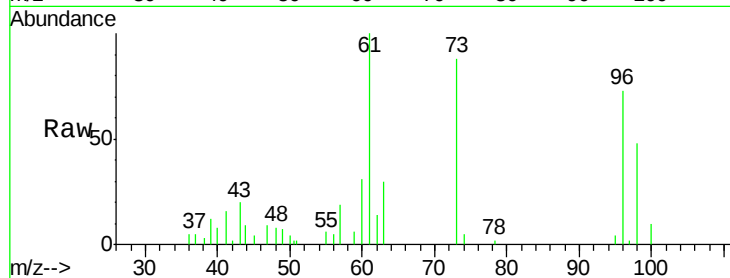
Tgt Ion: 73 Resp: 12190

Ion Ratio Lower Upper

73 100

43 4.3 17.7 26.5#

57 17.7 17.0 25.4



#19

1,1-Dichloroethane

Concen: 2.448 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

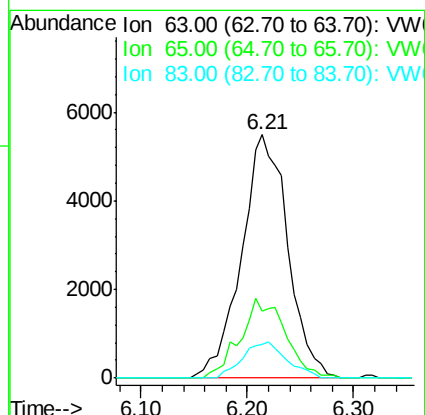
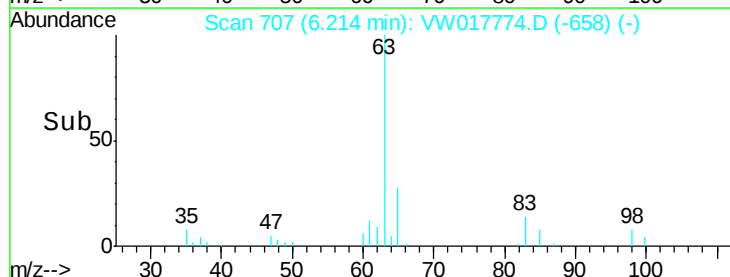
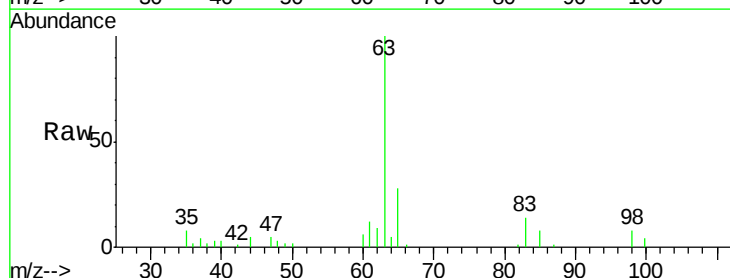
Tgt Ion: 63 Resp: 16676

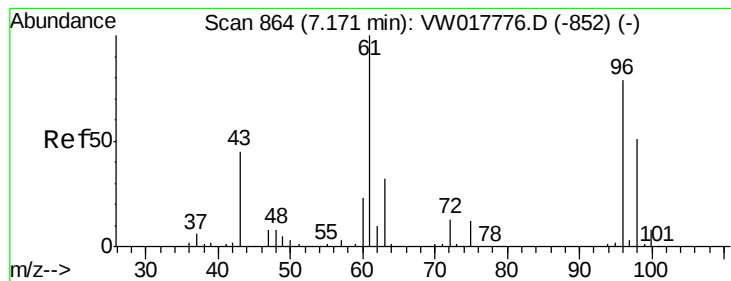
Ion Ratio Lower Upper

63 100

65 27.7 22.9 42.5

83 14.0 10.2 19.0



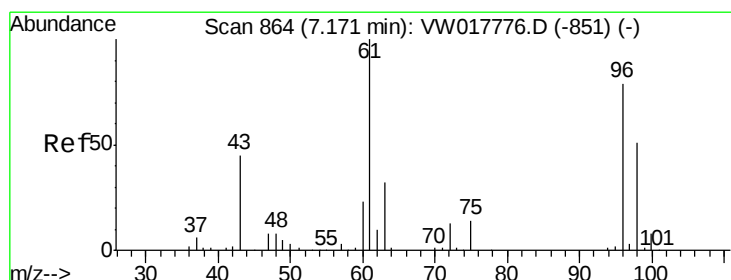
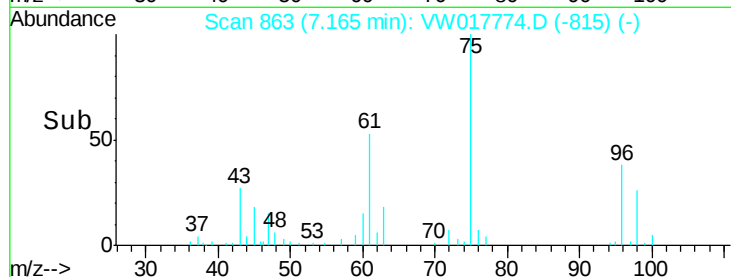
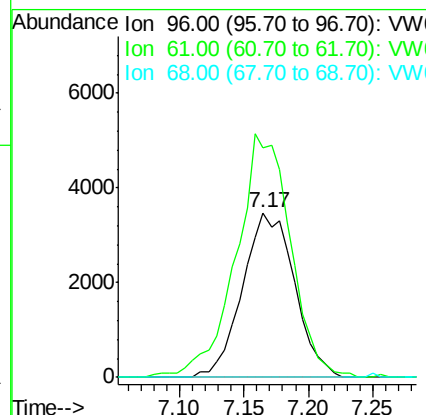
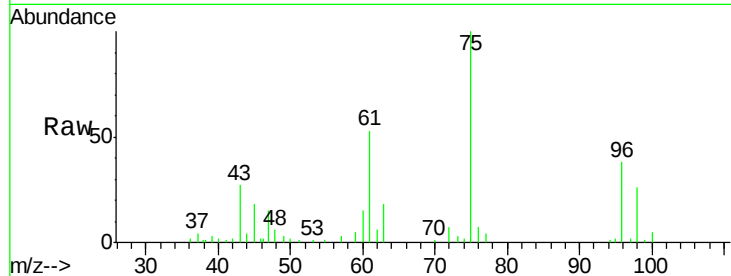


#20

cis-1,2-Dichloroethene
 Concen: 2.340 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW017774.D
 Acq: 30 Dec 2020 10:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

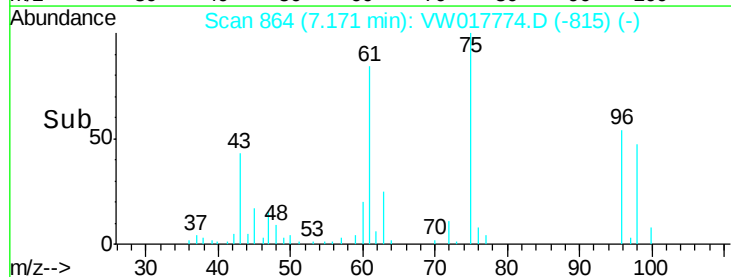
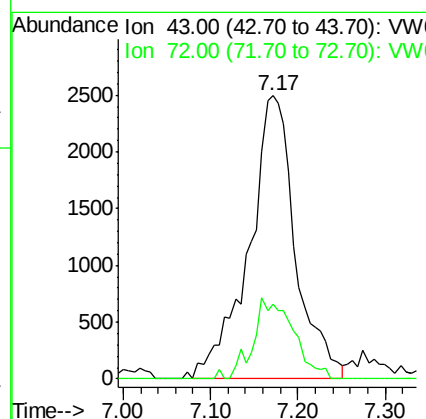
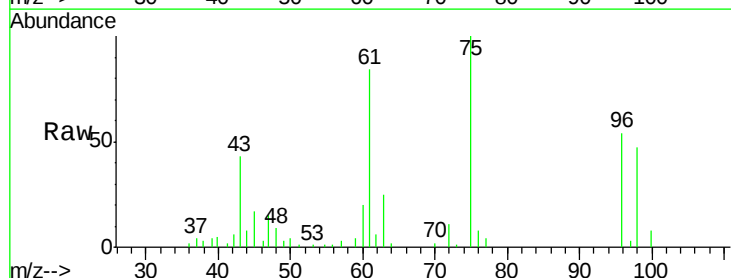
Tgt Ion: 96 Resp: 9731
 Ion Ratio Lower Upper
 96 100
 61 139.6 88.5 164.3
 68 0.0 0.0 0.0

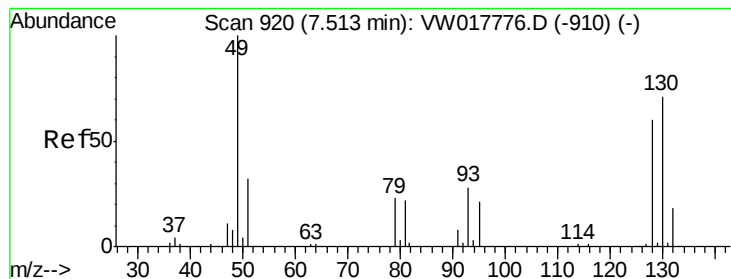


#22

2-Butanone
 Concen: 8.466 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW017774.D
 Acq: 30 Dec 2020 10:44

Tgt Ion: 43 Resp: 9261
 Ion Ratio Lower Upper
 43 100
 72 5.5 14.9 44.7#





#23

Bromochloromethane

Concen: 2.546 ug/L

RT: 7.51 min Scan# 919

Delta R.T. -0.01 min

Lab File: VW017774.D

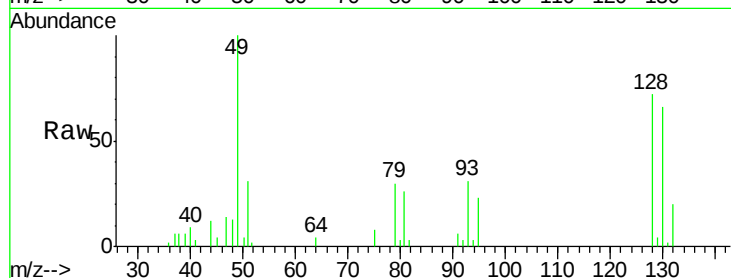
Acq: 30 Dec 2020 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503



Tgt Ion:128 Resp: 4796

Ion Ratio Lower Upper

128 100

49 138.7 116.3 215.9

130 91.4 82.4 153.0

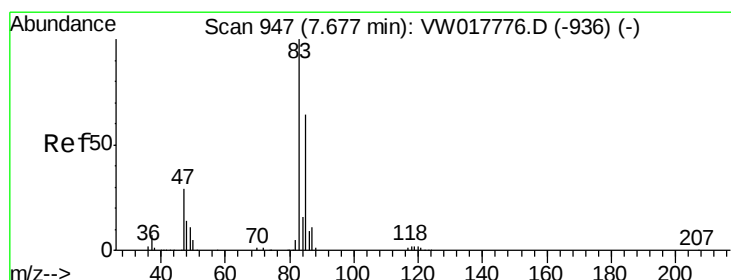
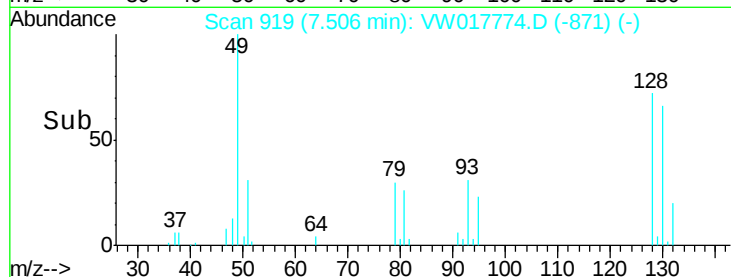
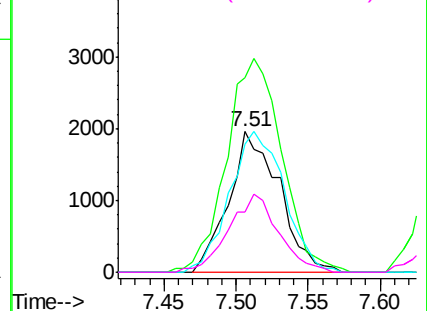
51 43.2 42.6 64.0

Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW



#25

Chloroform

Concen: 2.446 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW017774.D

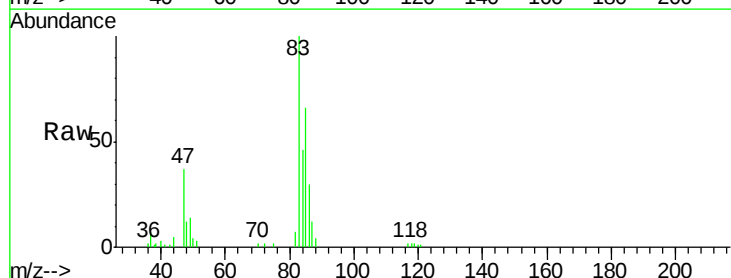
Acq: 30 Dec 2020 10:44

Tgt Ion: 83 Resp: 17584

Ion Ratio Lower Upper

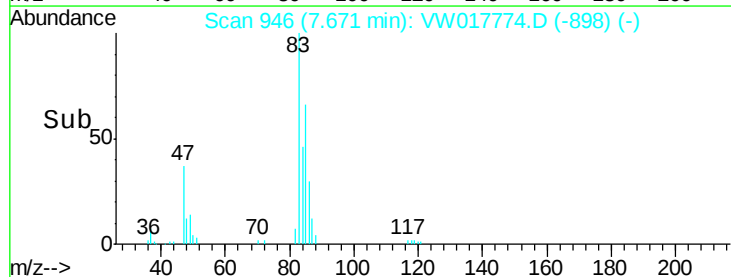
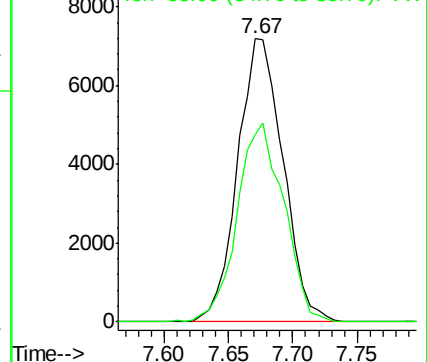
83 100

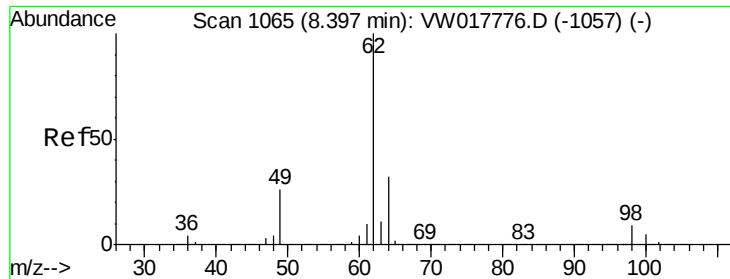
85 66.0 44.6 82.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

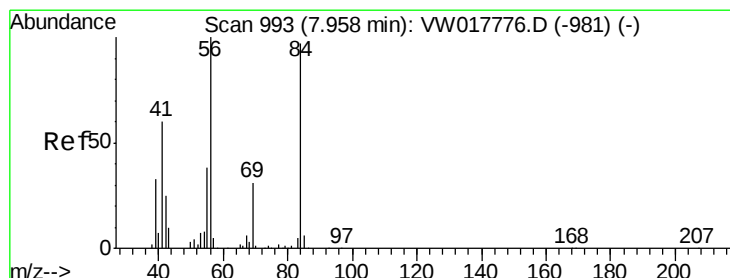
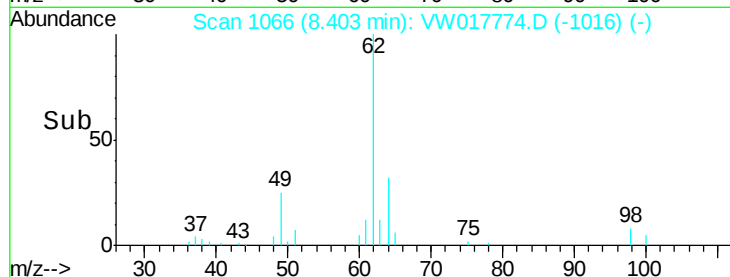
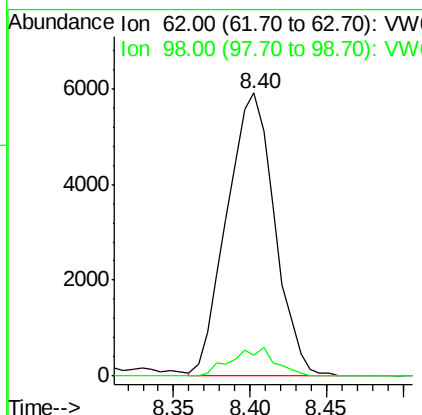
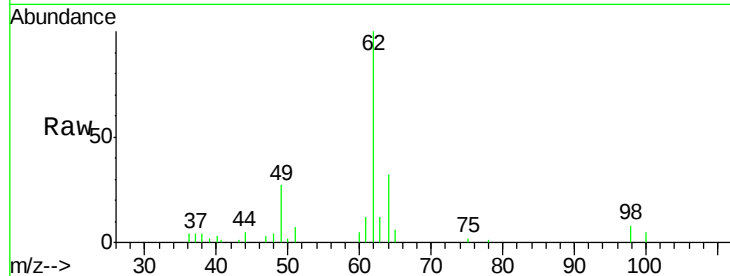




#27
 1,2-Dichloroethane
 Concen: 2.552 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW017774.D
 Acq: 30 Dec 2020 10:44

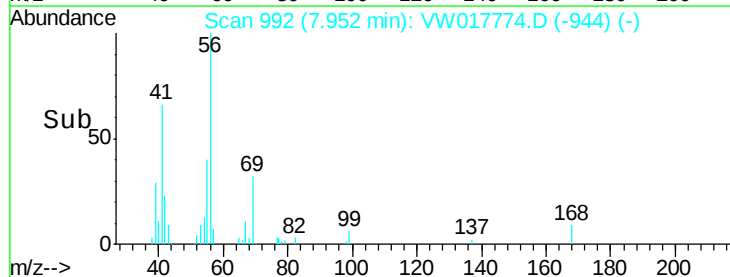
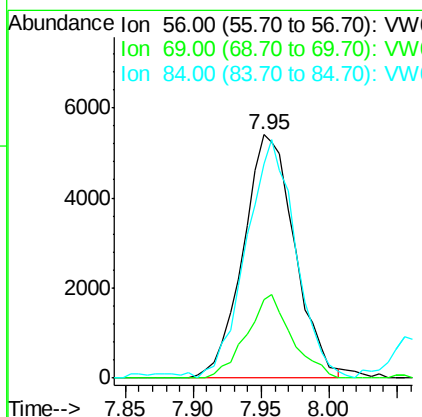
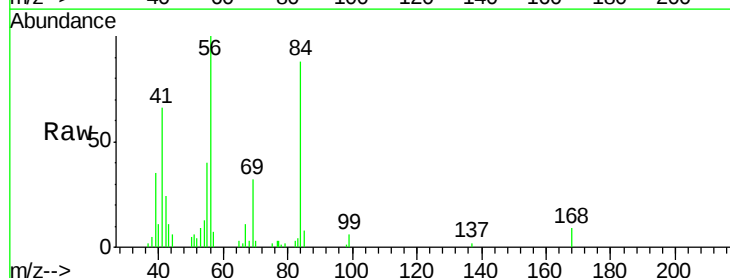
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

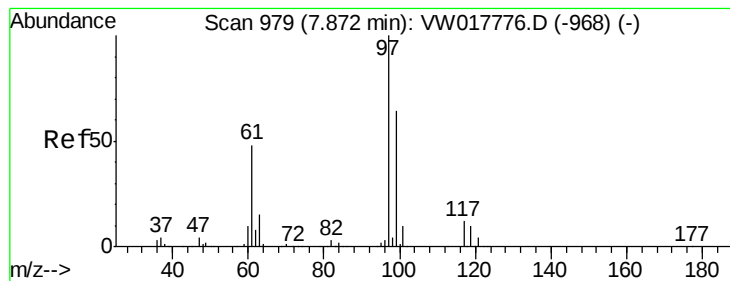
Tgt Ion: 62 Resp: 12829
 Ion Ratio Lower Upper
 62 100
 98 7.6 6.9 10.3



#29
 Cyclohexane
 Concen: 2.322 ug/L
 RT: 7.95 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VW017774.D
 Acq: 30 Dec 2020 10:44

Tgt Ion: 56 Resp: 14279
 Ion Ratio Lower Upper
 56 100
 69 30.1 24.5 36.7
 84 94.6 75.0 112.4





#30

1,1,1-Trichloroethane

Concen: 2.577 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

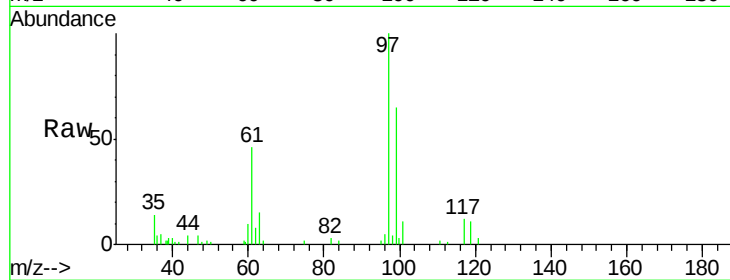
Tgt Ion: 97 Resp: 15219

Ion Ratio Lower Upper

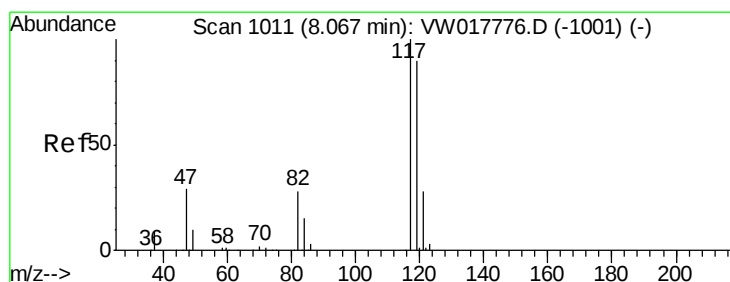
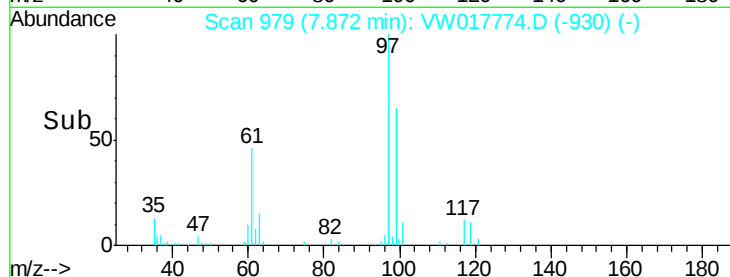
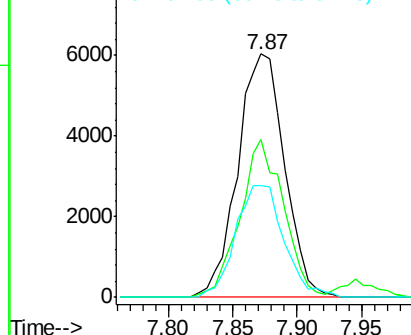
97 100

99 60.5 51.4 77.2

61 47.3 37.8 56.6



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.05 (60.75 to 61.75): VW



#31

Carbon tetrachloride

Concen: 2.378 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW017774.D

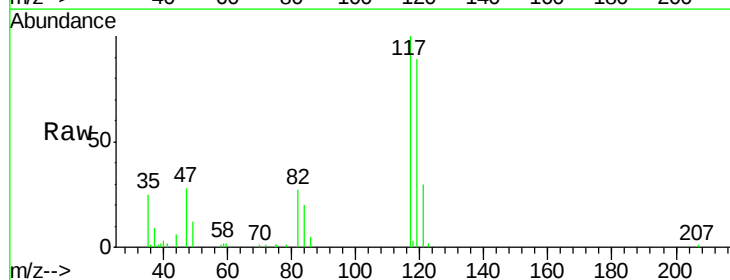
Acq: 30 Dec 2020 10:44

Tgt Ion: 117 Resp: 13422

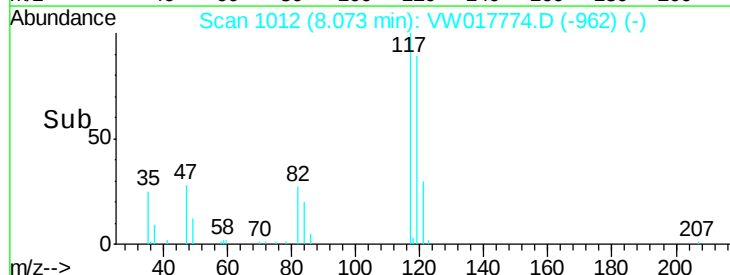
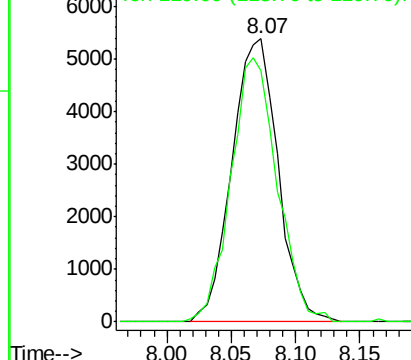
Ion Ratio Lower Upper

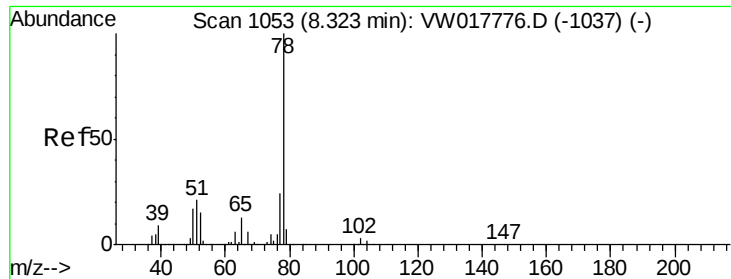
117 100

119 93.0 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

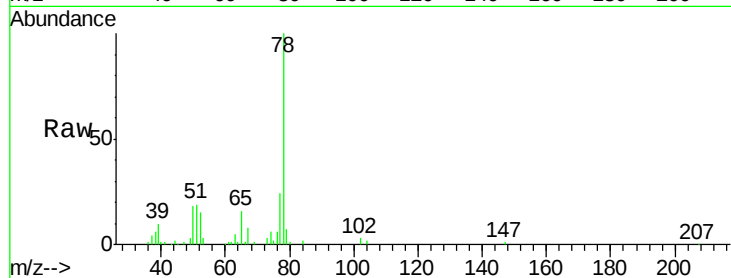




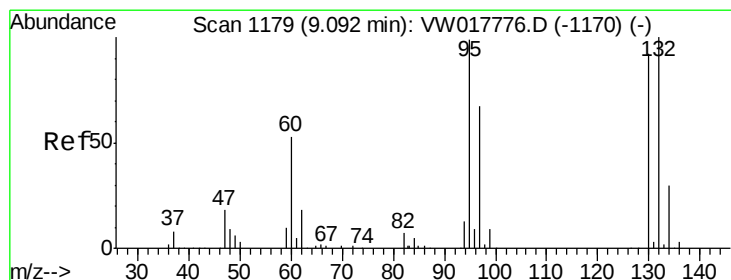
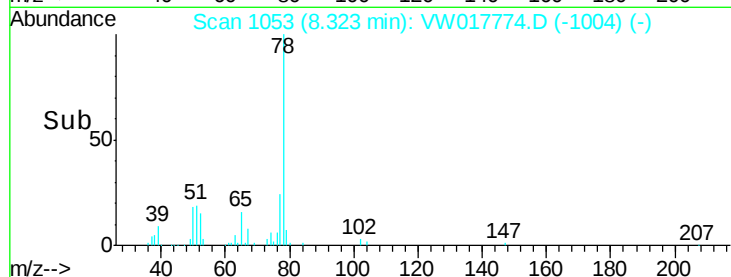
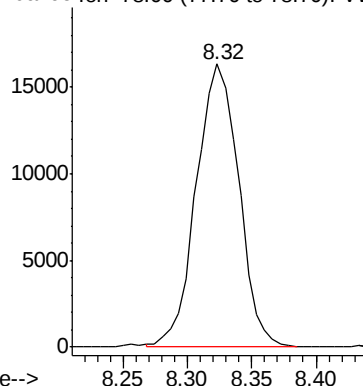
#33
Benzene
Concen: 2.481 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW017774.D
Acq: 30 Dec 2020 10:44

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

Tgt Ion: 78 Resp: 37394



Abundance Ion 78.00 (77.70 to 78.70): VW

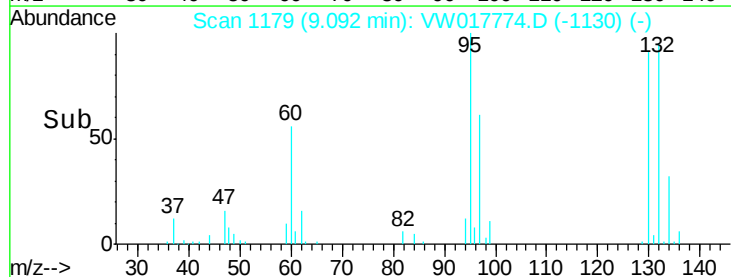
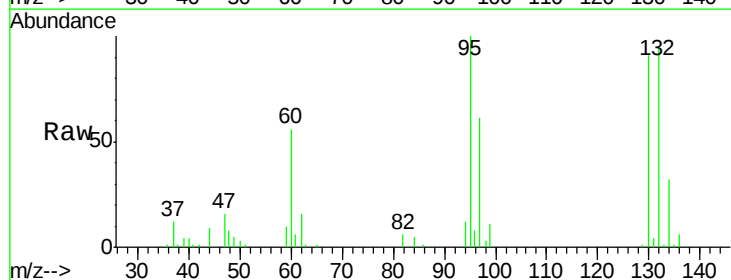
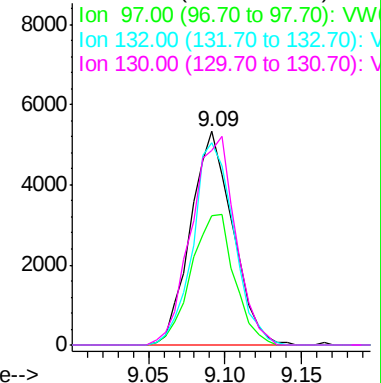


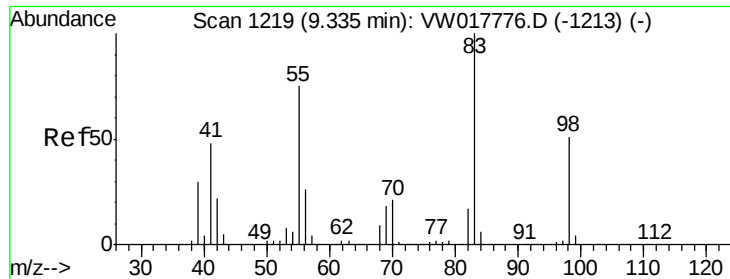
#34
Trichloroethene
Concen: 2.506 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW017774.D
Acq: 30 Dec 2020 10:44

Tgt Ion: 95 Resp: 10249

Ion	Ratio	Lower	Upper
95	100		
97	60.5	47.3	87.8
132	94.6	71.0	131.8
130	91.2	65.1	120.9

Abundance Ion 95.00 (94.70 to 95.70): VW

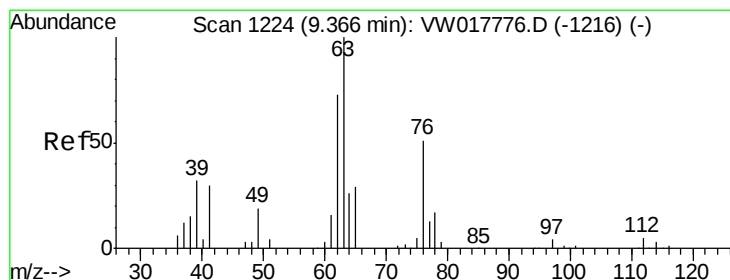
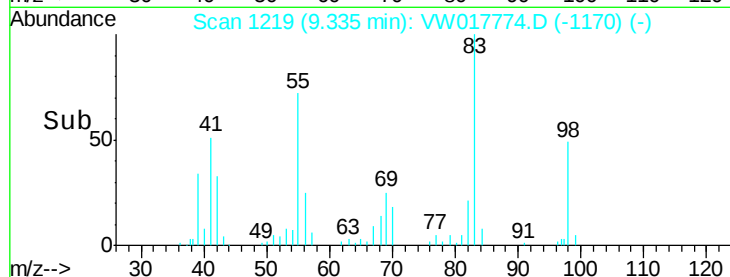
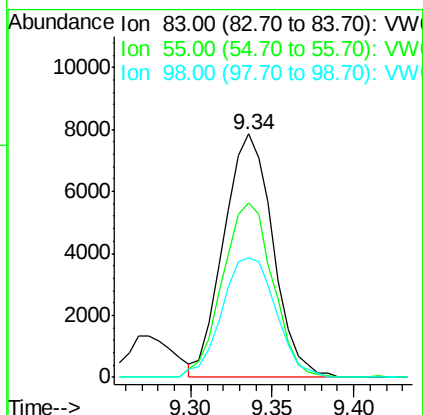
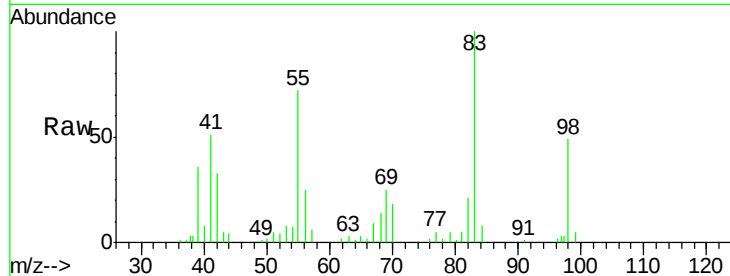




#35
Methylcyclohexane
Concen: 2.352 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW017774.D
Acq: 30 Dec 2020 10:44

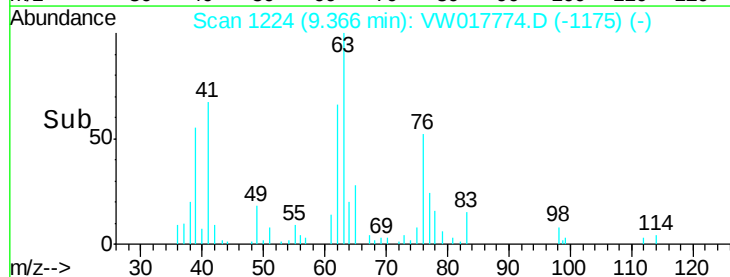
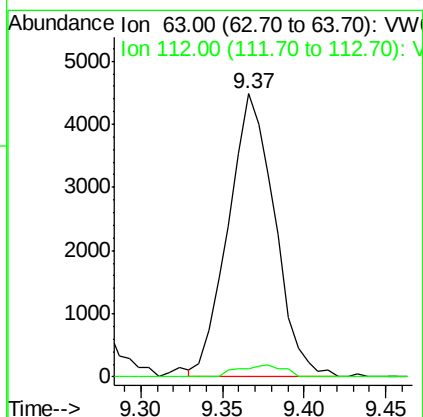
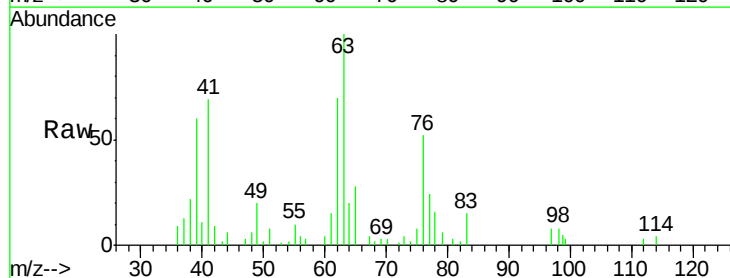
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

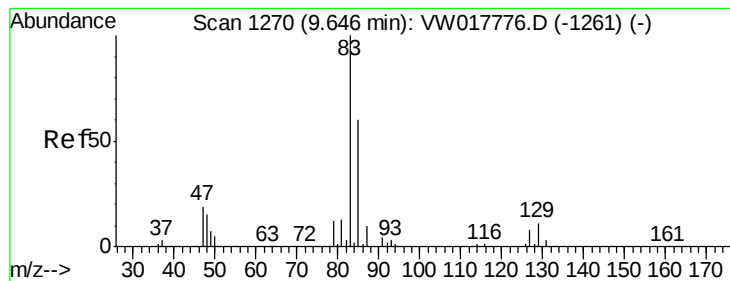
Tgt Ion: 83 Resp: 16500
Ion Ratio Lower Upper
83 100
55 73.1 58.9 88.3
98 53.9 40.1 60.1



#37
1,2-Dichloropropane
Concen: 2.421 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW017774.D
Acq: 30 Dec 2020 10:44

Tgt Ion: 63 Resp: 8861
Ion Ratio Lower Upper
63 100
112 4.1 3.9 5.9





#38

Bromodichloromethane

Concen: 2.410 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

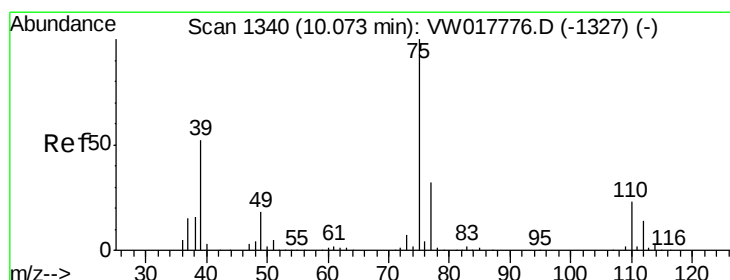
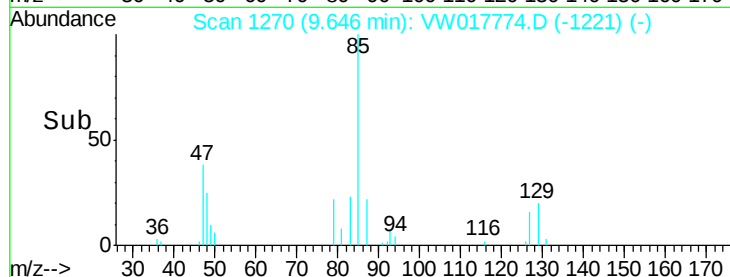
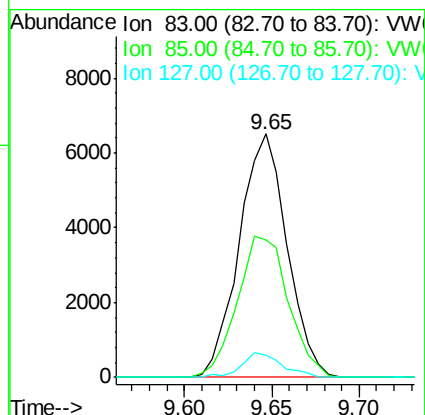
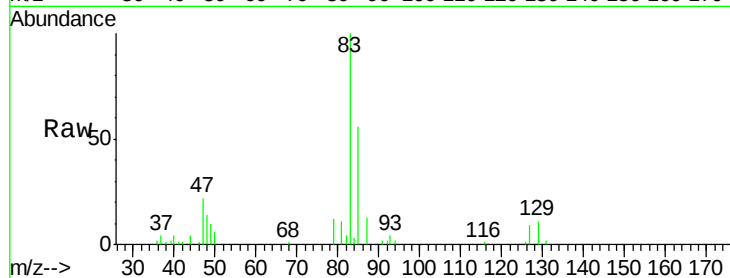
Tgt Ion: 83 Resp: 12393

Ion Ratio Lower Upper

83 100

85 56.4 42.3 78.5

127 9.3 6.6 9.8



#39

cis-1,3-Dichloropropene

Concen: 2.103 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW017774.D

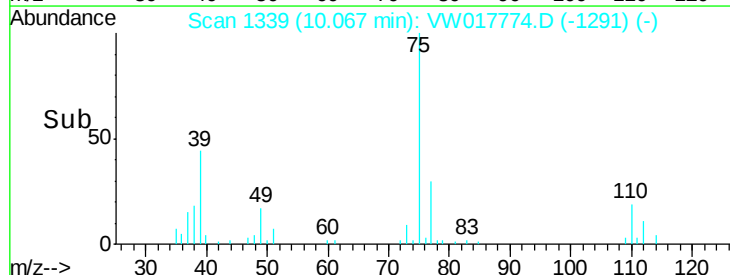
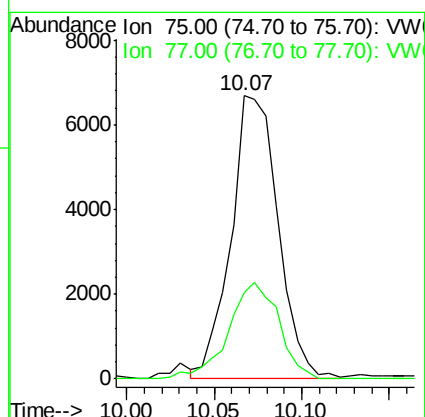
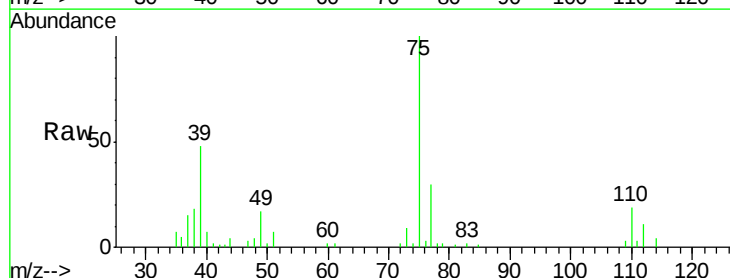
Acq: 30 Dec 2020 10:44

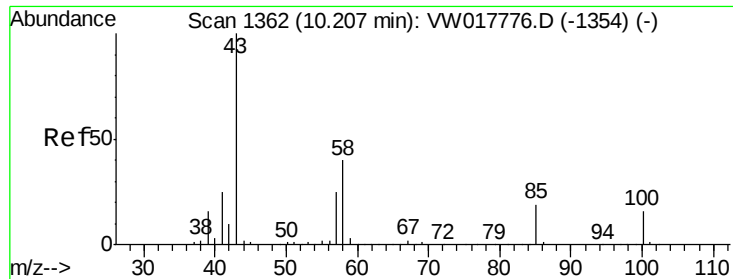
Tgt Ion: 75 Resp: 12545

Ion Ratio Lower Upper

75 100

77 30.5 22.6 42.0

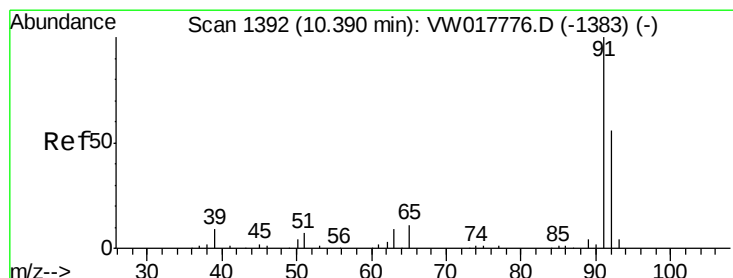
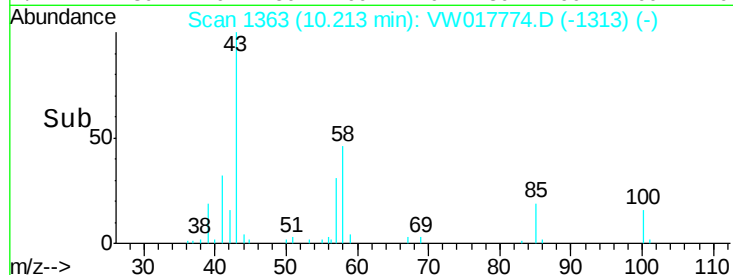
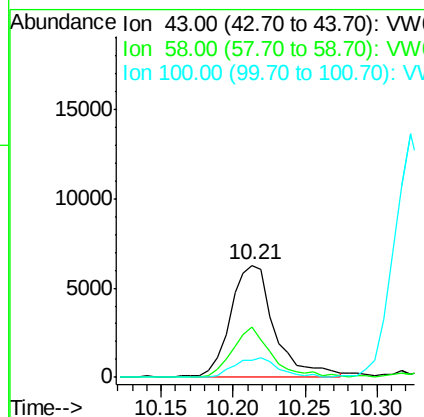
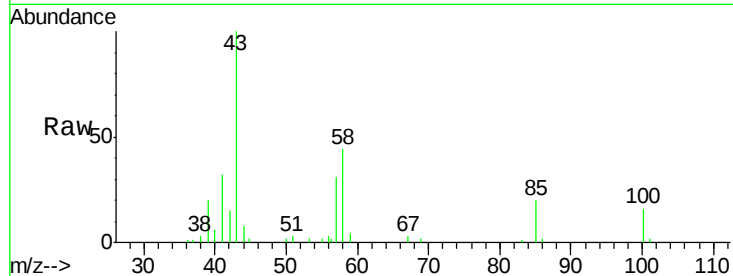




#40
4-Methyl-2-pentanone
Concen: 5.883 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW017774.D
Acq: 30 Dec 2020 10:44

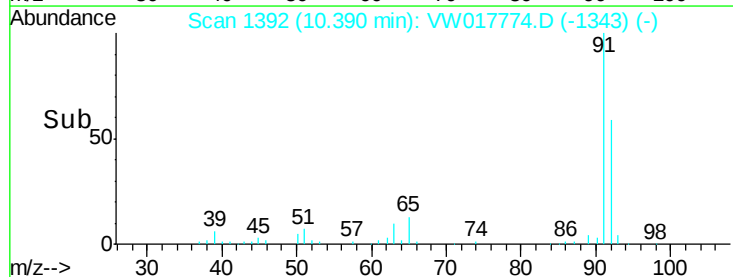
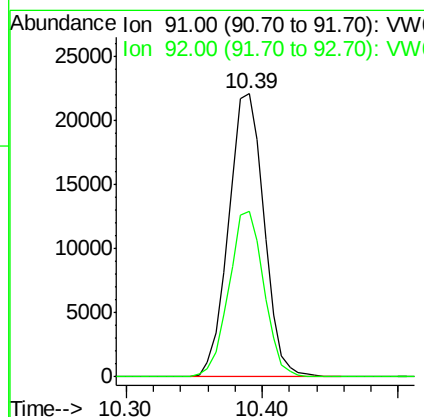
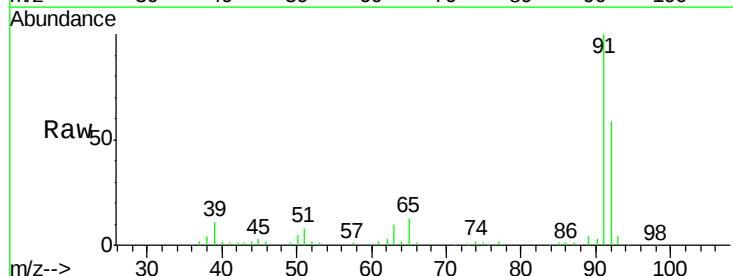
Instrument :
MSVOA_W
ClientSampled :
VSTD2.503

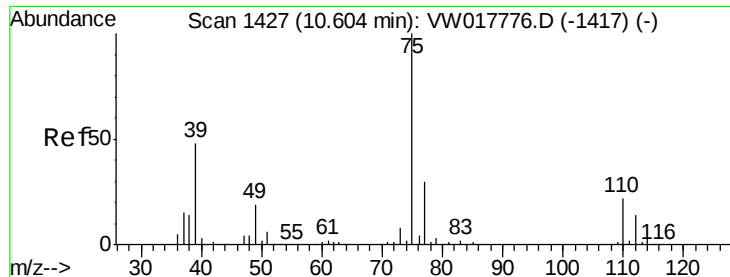
Tgt Ion: 43 Resp: 13354
Ion Ratio Lower Upper
43 100
58 37.6 31.0 46.4
100 17.6 13.0 19.6



#42
Toluene
Concen: 2.354 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW017774.D
Acq: 30 Dec 2020 10:44

Tgt Ion: 91 Resp: 40043
Ion Ratio Lower Upper
91 100
92 58.6 39.5 73.3





#44

trans-1,3-Dichloropropene

Concen: 2.058 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

Instrument :

MSVOA_W

ClientSampleId :

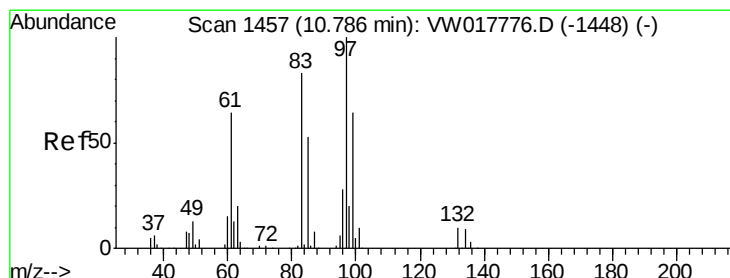
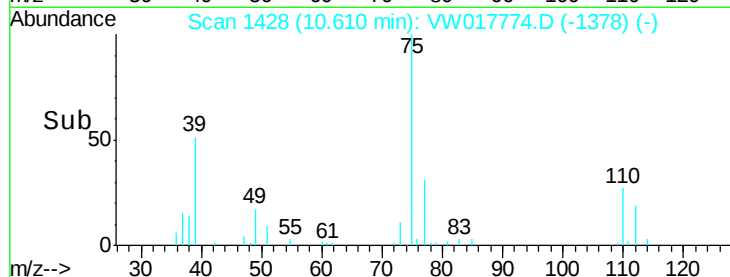
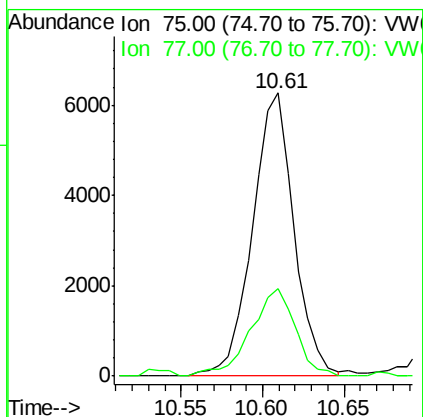
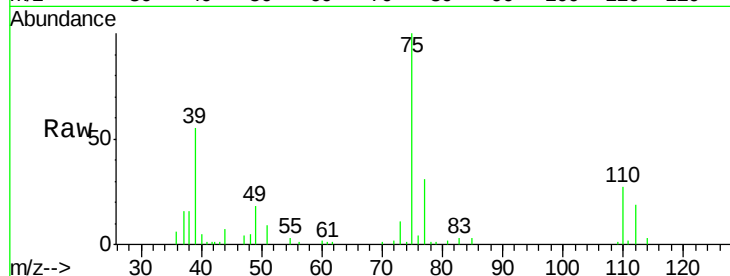
VSTD2.503

Tgt Ion: 75 Resp: 11099

Ion Ratio Lower Upper

75 100

77 30.7 21.1 39.1



#45

1,1,2-Trichloroethane

Concen: 2.654 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

Tgt Ion: 97 Resp: 7808

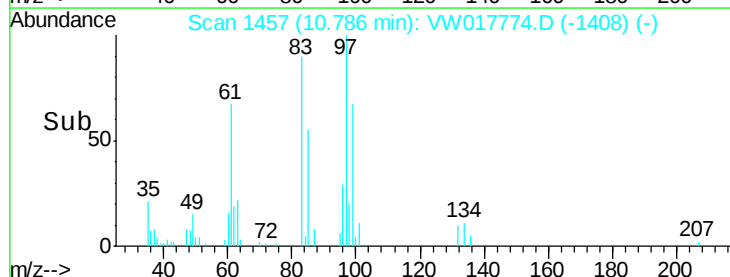
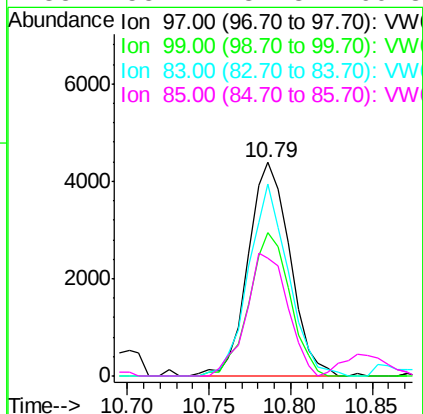
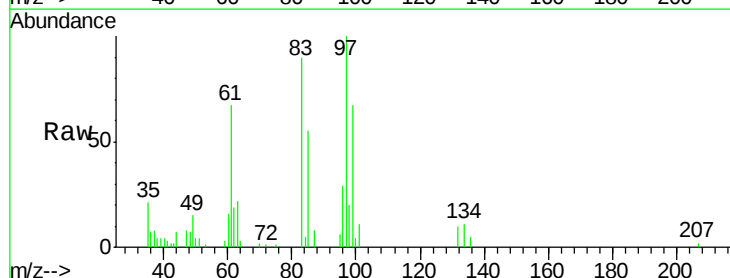
Ion Ratio Lower Upper

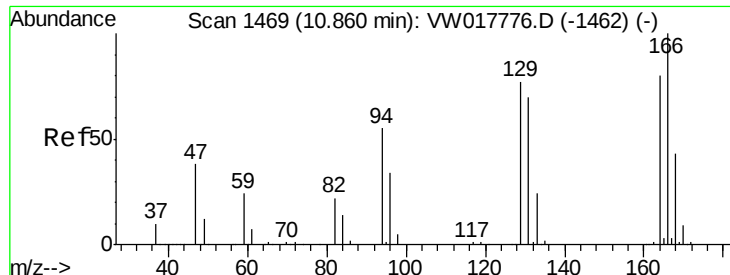
97 100

99 66.9 45.1 83.7

83 90.2 58.1 107.9

85 55.2 37.3 69.3





#46

Tetrachloroethene

Concen: 2.446 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

Instrument :

MSVOA_W

ClientSampled :

VSTD2.503

Tgt Ion:164 Resp: 7691

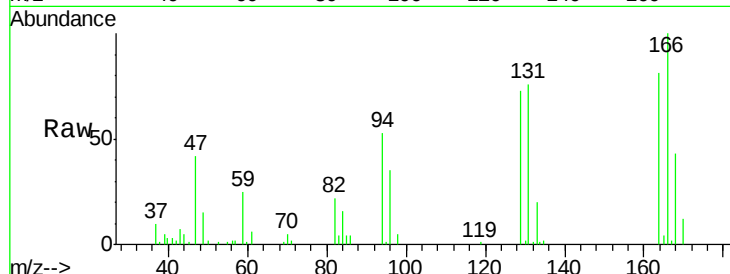
Ion Ratio Lower Upper

164 100

129 90.2 66.7 123.9

131 94.6 61.1 113.5

166 123.8 87.0 161.6

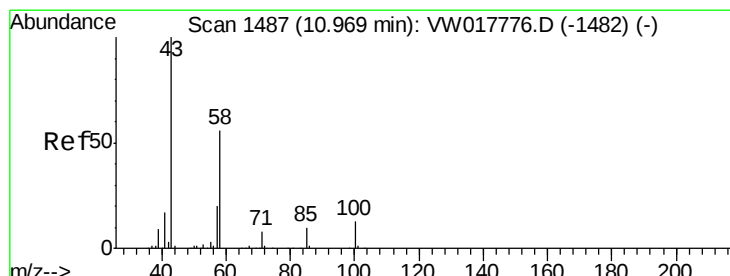
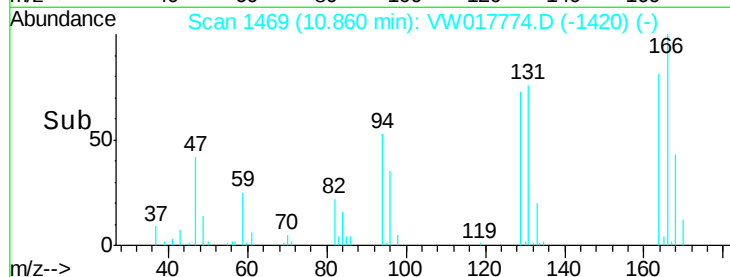
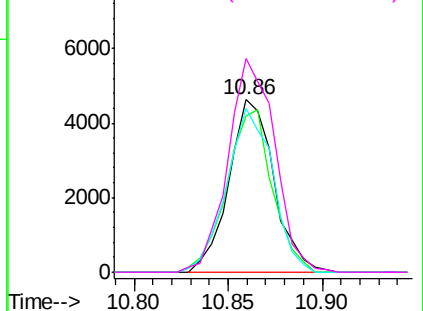


Abundance Ion 164.00 (163.70 to 164.70): V

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: 6.210 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

Tgt Ion: 43 Resp: 9751

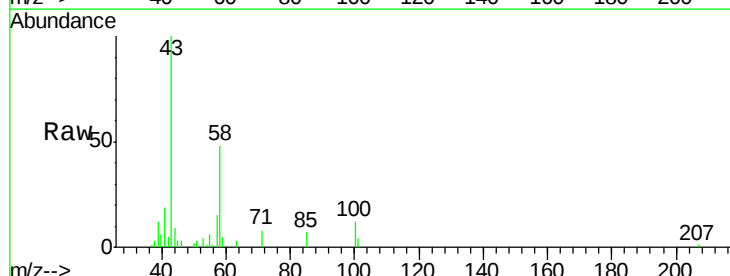
Ion Ratio Lower Upper

43 100

58 40.5 42.7 64.1#

57 19.1 15.8 23.8

100 13.0 10.0 15.0

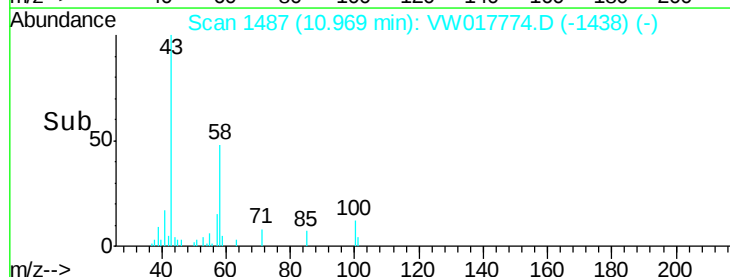
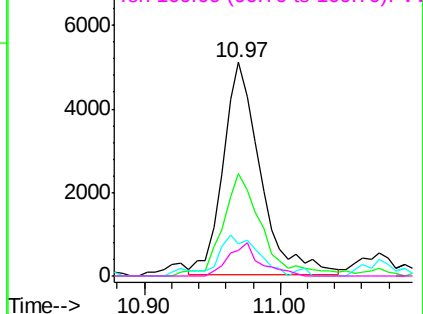


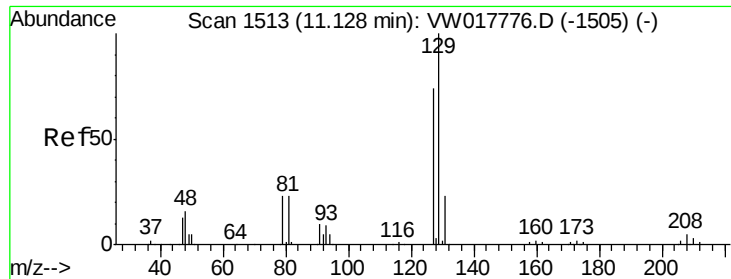
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV





#49

Dibromochloromethane

Concen: 2.296 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

Instrument :

MSVOA_W

ClientSampleId :

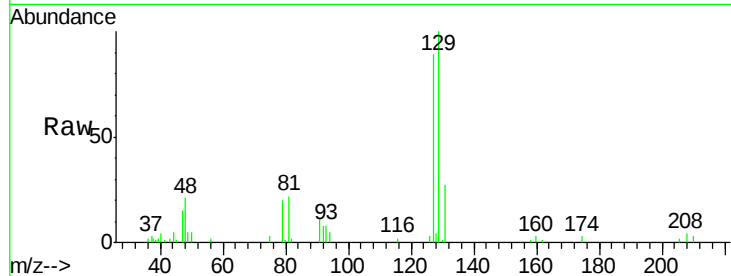
VSTD2.503

Tgt Ion:129 Resp: 7998

Ion Ratio Lower Upper

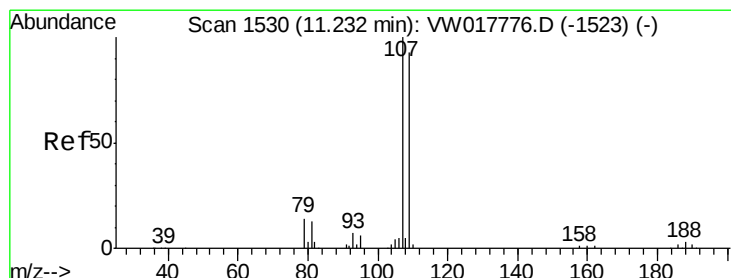
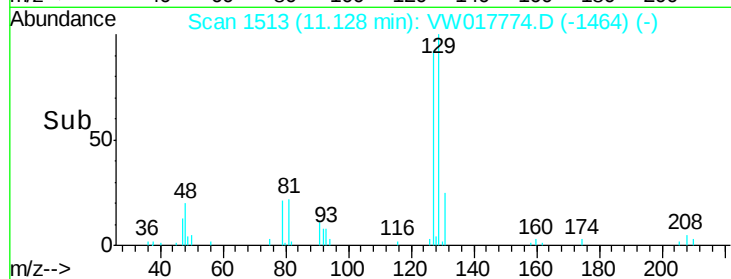
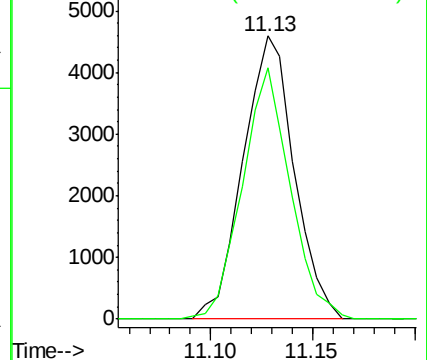
129 100

127 89.0 51.7 95.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.562 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

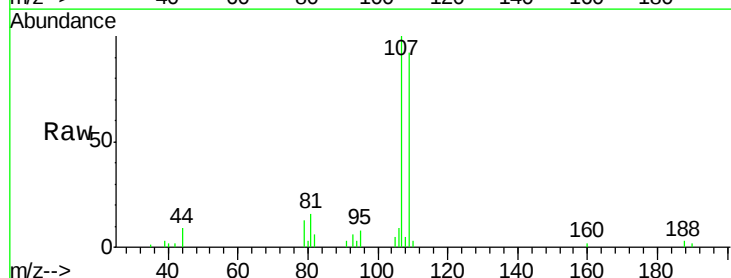
Tgt Ion:107 Resp: 7385

Ion Ratio Lower Upper

107 100

109 91.9 65.4 121.4

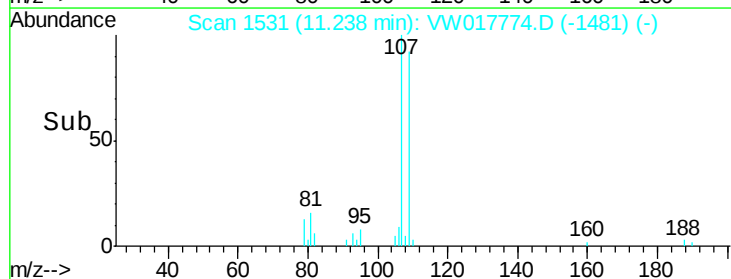
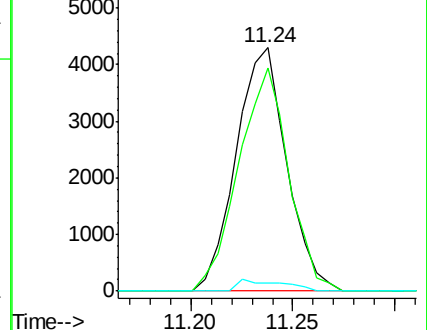
188 3.1 2.6 4.0

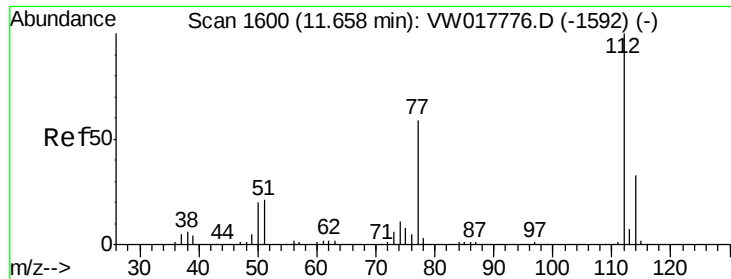


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 2.393 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

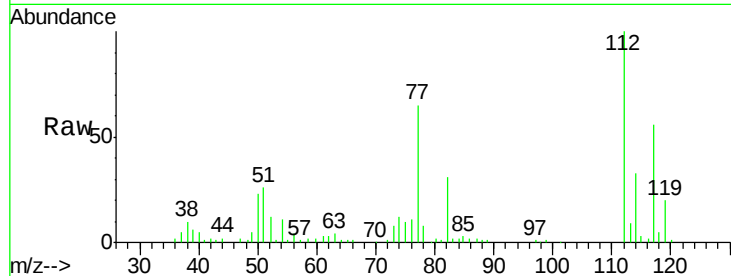
Tgt Ion: 112 Resp: 25672

Ion Ratio Lower Upper

112 100

114 33.1 23.4 43.6

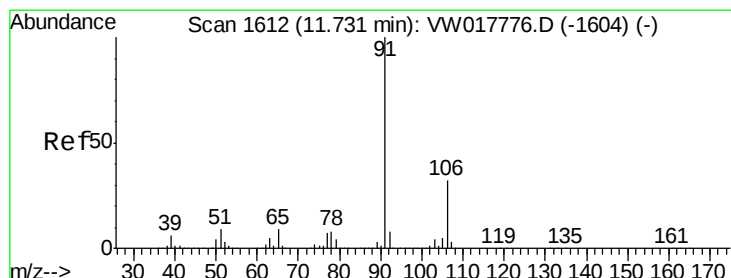
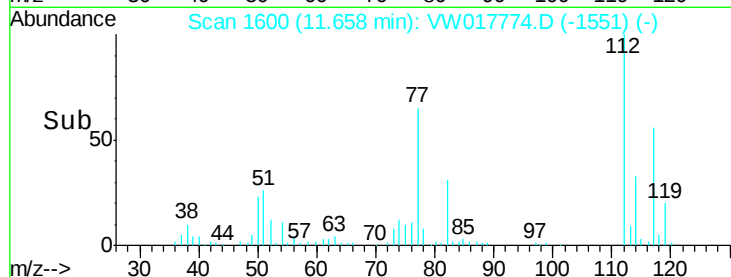
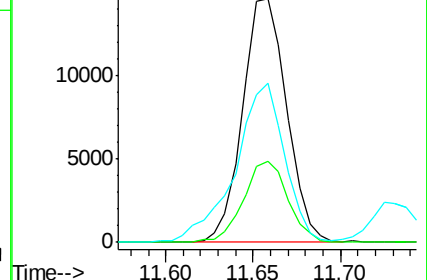
77 65.4 47.6 71.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 2.330 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017774.D

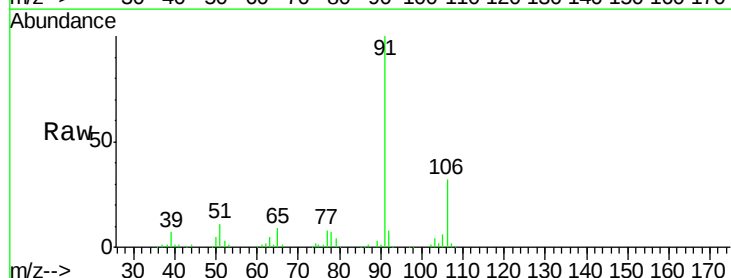
Acq: 30 Dec 2020 10:44

Tgt Ion: 91 Resp: 45012

Ion Ratio Lower Upper

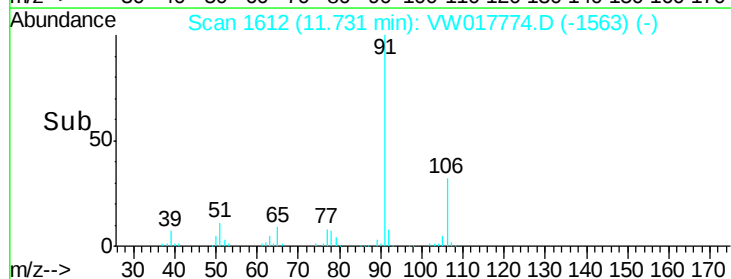
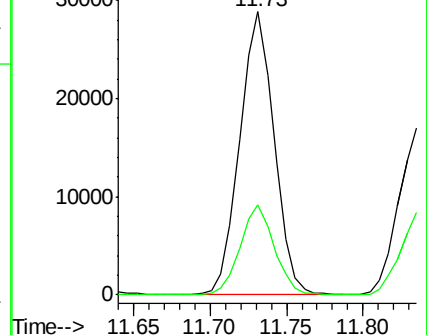
91 100

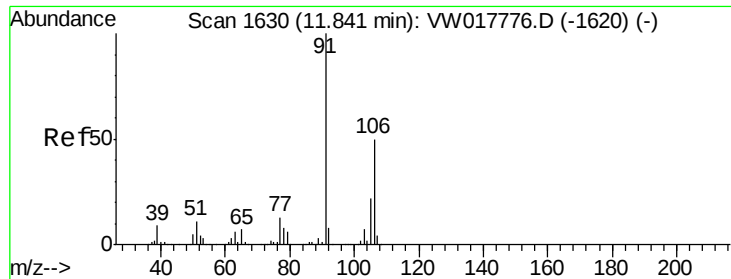
106 31.9 22.5 41.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

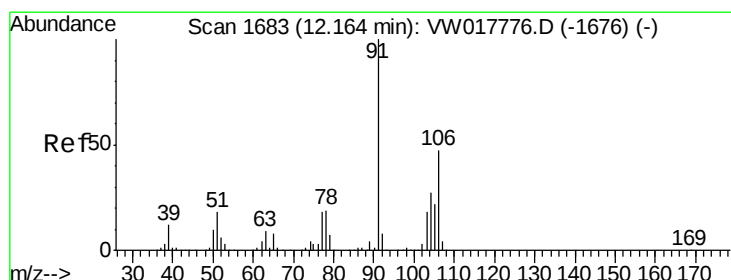
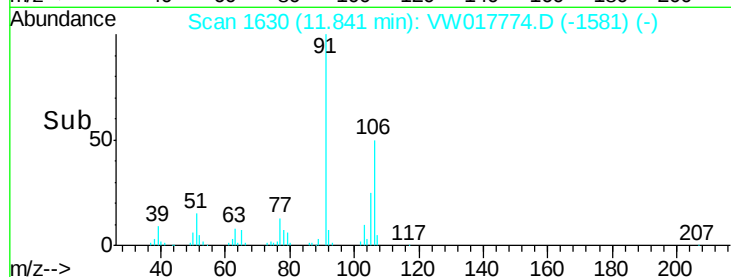
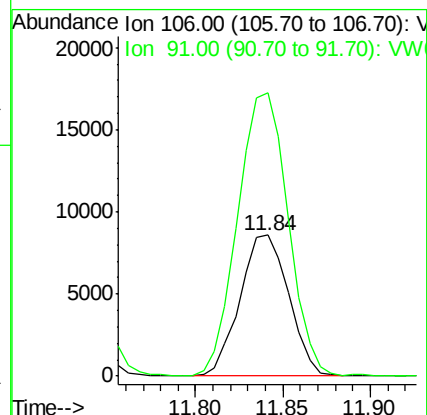
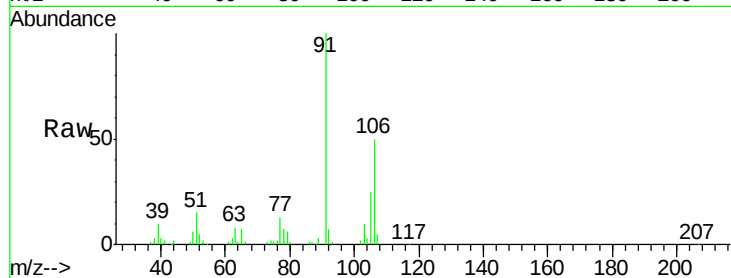




#53
m,p-Xylene
Concen: 2.263 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW017774.D
Acq: 30 Dec 2020 10:44

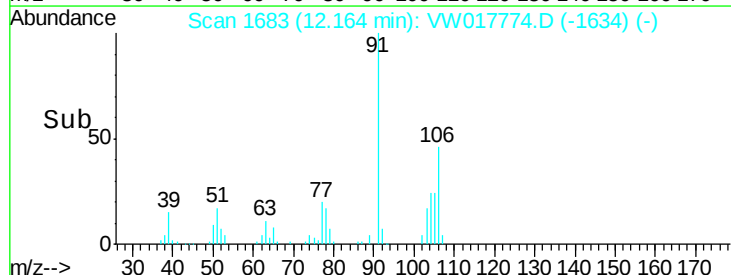
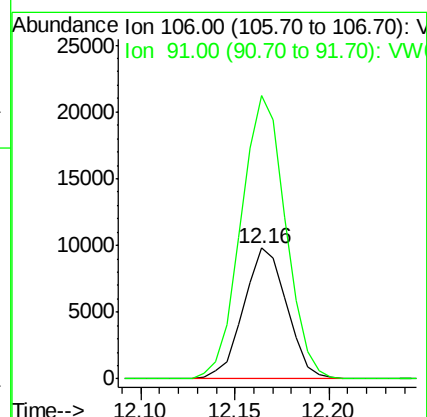
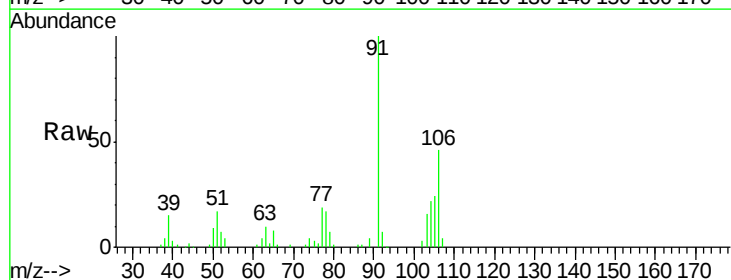
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

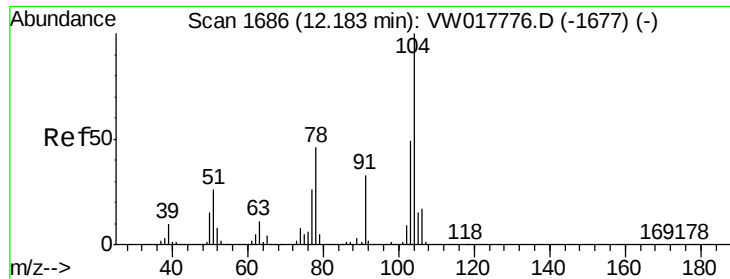
Tgt Ion:106 Resp: 16798
Ion Ratio Lower Upper
106 100
91 200.5 141.3 262.3



#54
o-Xylene
Concen: 2.199 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW017774.D
Acq: 30 Dec 2020 10:44

Tgt Ion:106 Resp: 15599
Ion Ratio Lower Upper
106 100
91 216.2 150.0 278.6





#55

Styrene

Concen: 2.132 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

Instrument :

MSVOA_W

ClientSampleId :

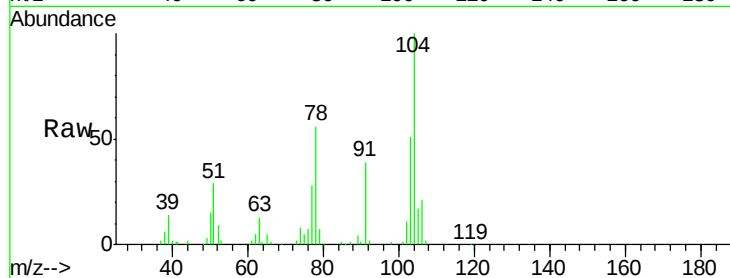
VSTD2.503

Tgt Ion: 104 Resp: 25739

Ion Ratio Lower Upper

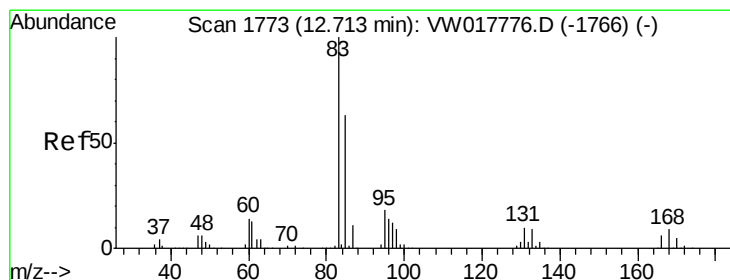
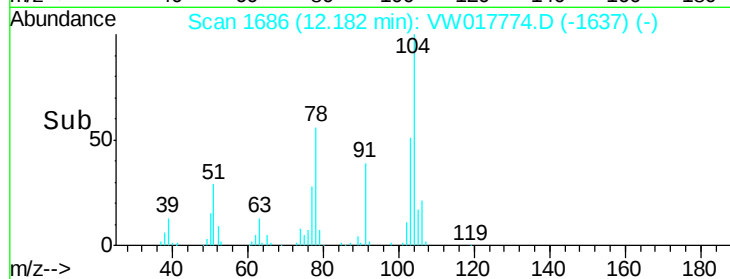
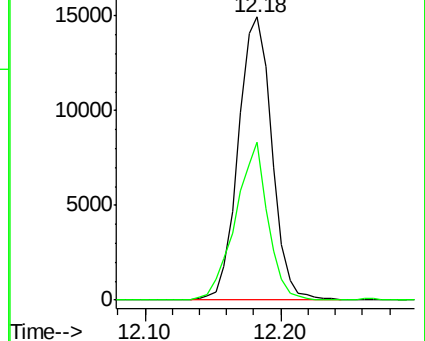
104 100

78 55.9 32.5 60.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

1,1,2,2-Tetrachloroethane

Concen: 2.799 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

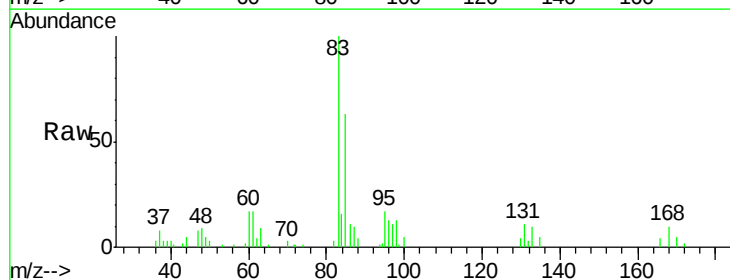
Tgt Ion: 83 Resp: 10029

Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.4

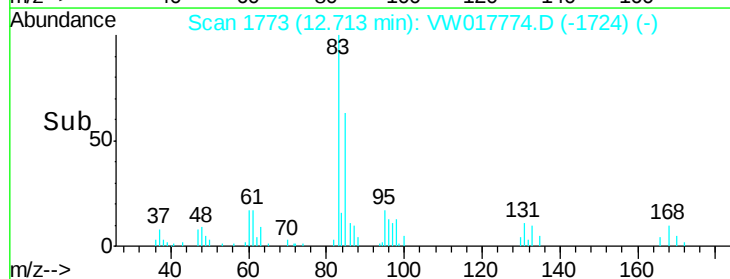
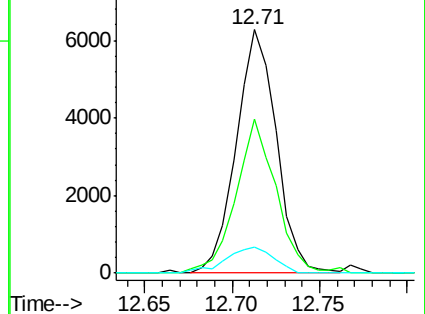
131 10.6 8.2 12.4

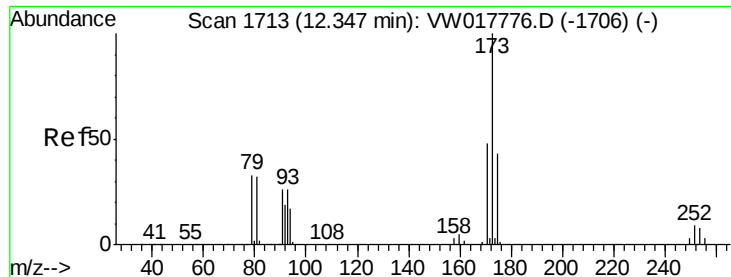


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

Bromoform

Concen: 2.419 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

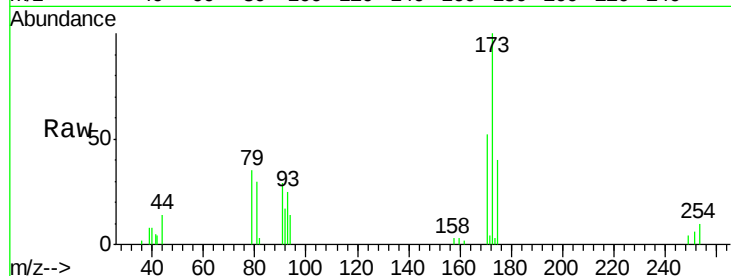
Tgt Ion:173 Resp: 4382

Ion Ratio Lower Upper

173 100

175 35.7 37.5 56.3#

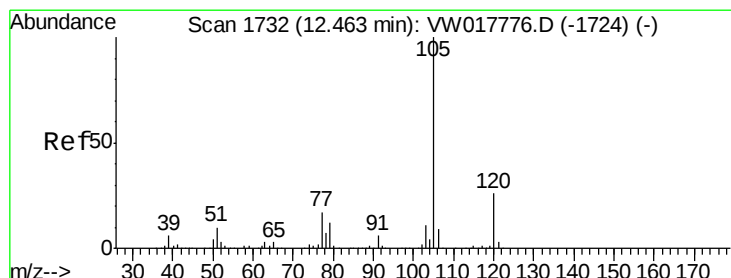
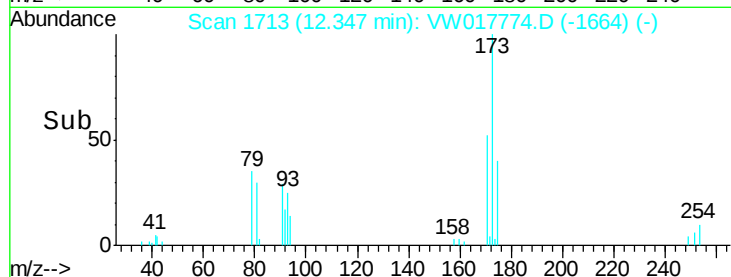
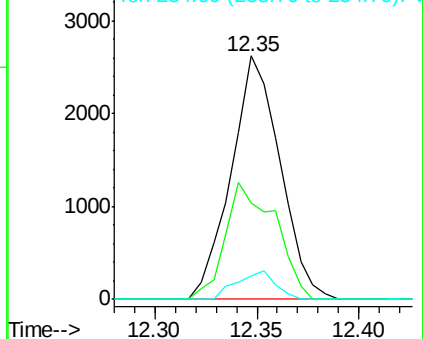
254 9.2 7.0 10.4



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 2.418 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

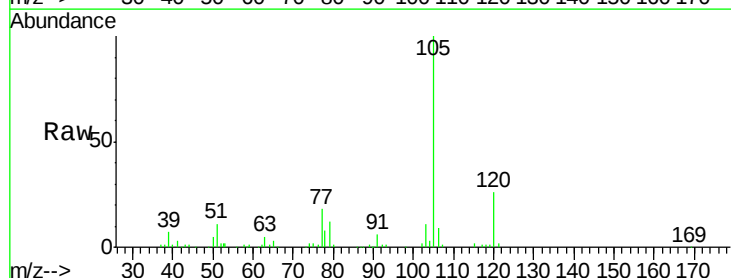
Tgt Ion:105 Resp: 43968

Ion Ratio Lower Upper

105 100

120 25.6 21.1 31.7

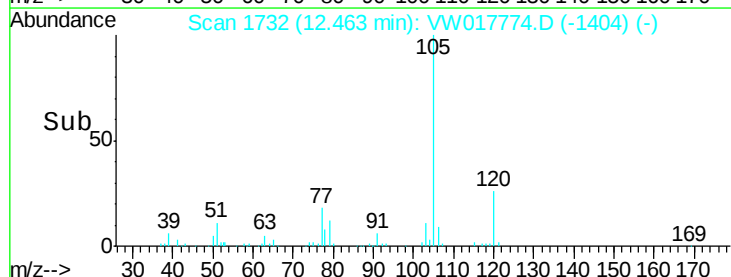
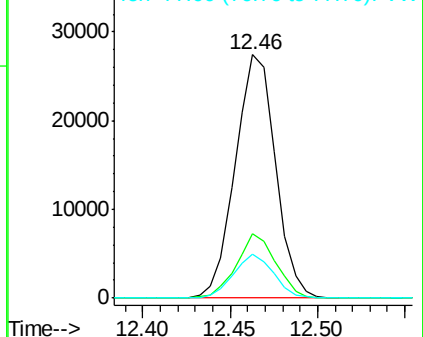
77 17.8 13.2 19.8

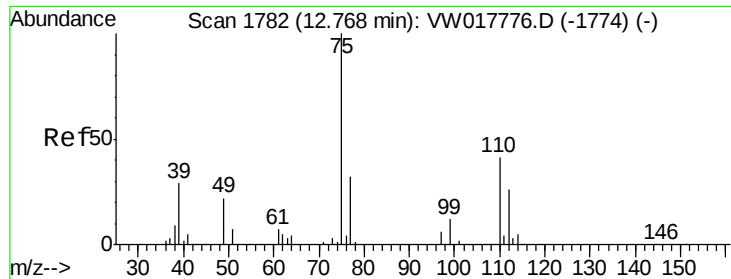


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

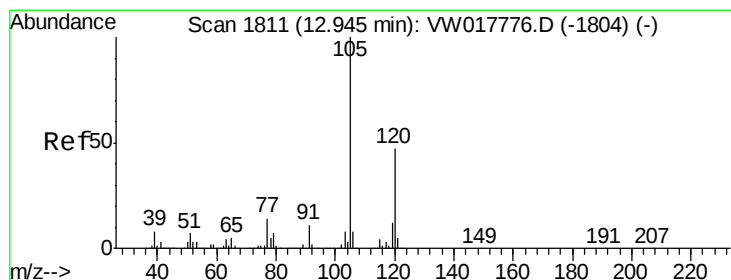
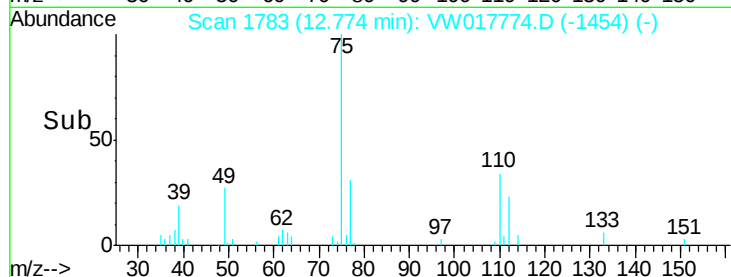
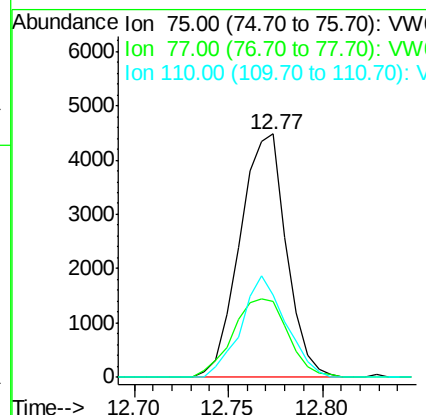
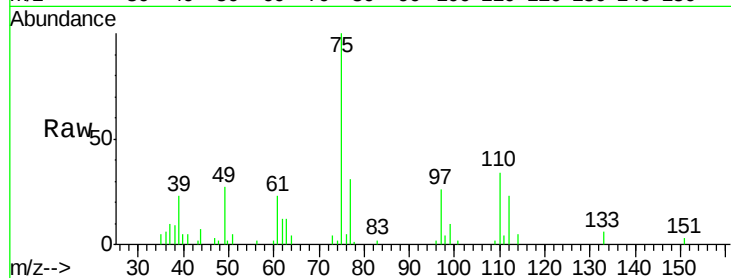




#61
 1,2,3-Trichloropropane
 Concen: 2.998 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW017774.D
 Acq: 30 Dec 2020 10:44

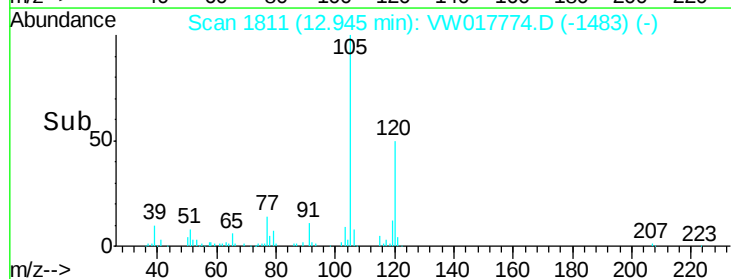
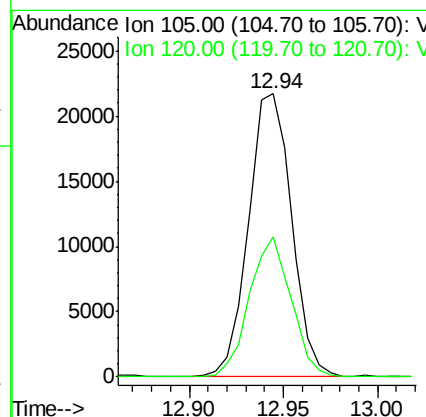
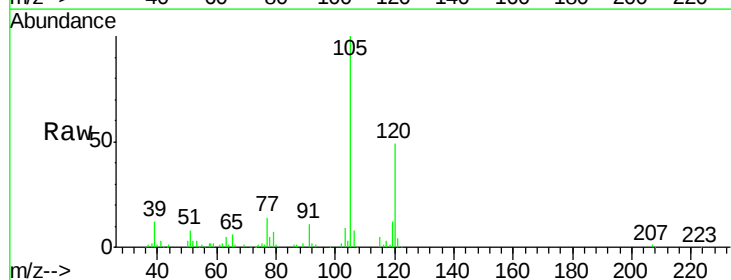
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

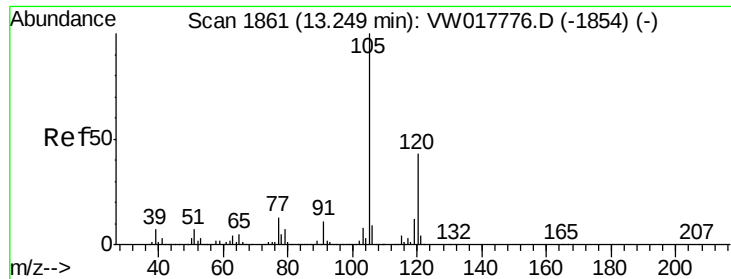
Tgt Ion: 75 Resp: 7665
 Ion Ratio Lower Upper
 75 100
 77 38.3 25.3 37.9#
 110 40.0 32.6 48.8



#62
 1,3,5-Trimethylbenzene
 Concen: 2.324 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW017774.D
 Acq: 30 Dec 2020 10:44

Tgt Ion: 105 Resp: 34390
 Ion Ratio Lower Upper
 105 100
 120 47.8 39.0 58.6

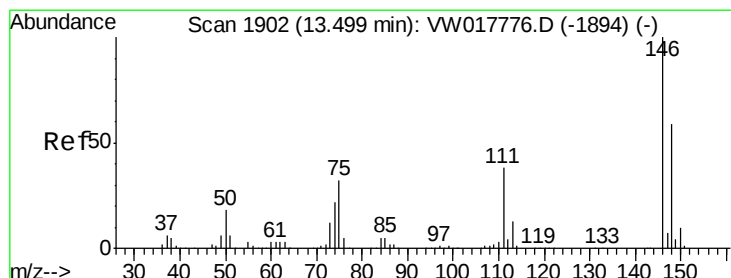
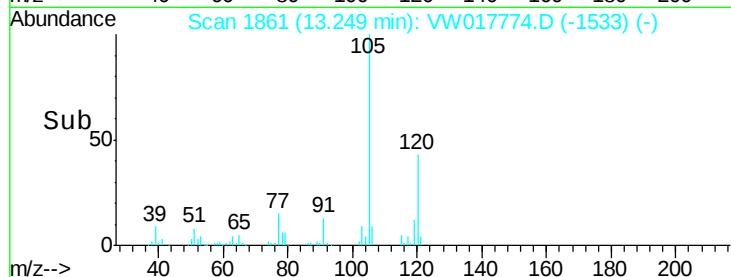
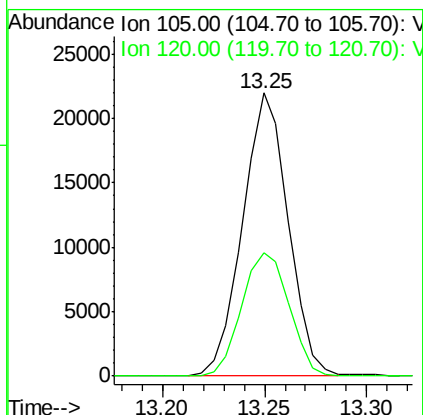
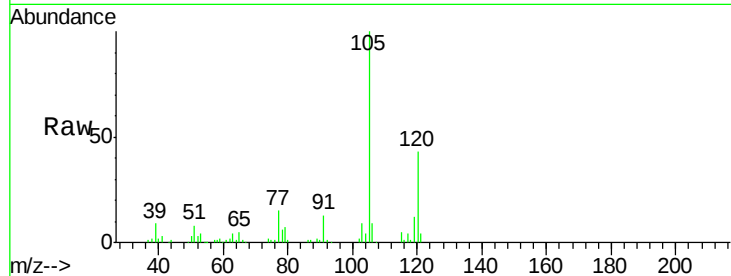




#63
 1,2,4-Trimethylbenzene
 Concen: 2.268 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW017774.D
 Acq: 30 Dec 2020 10:44

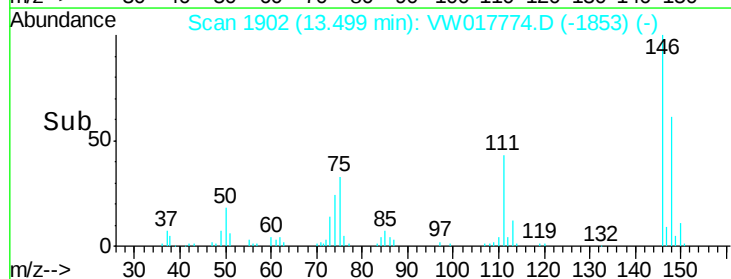
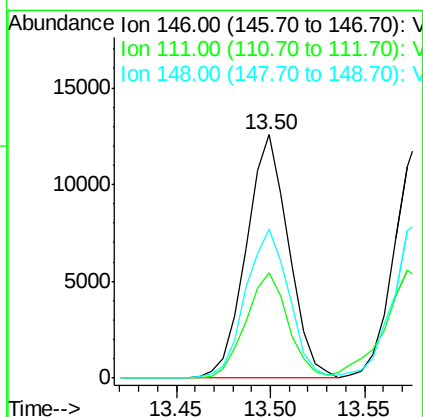
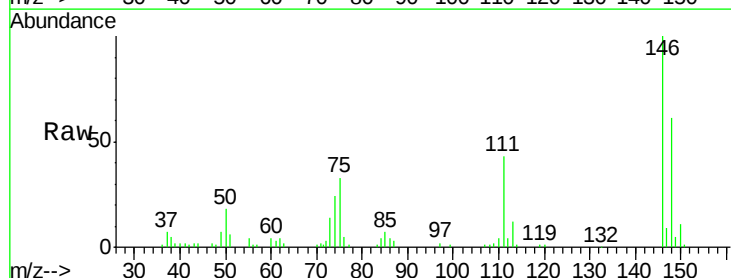
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

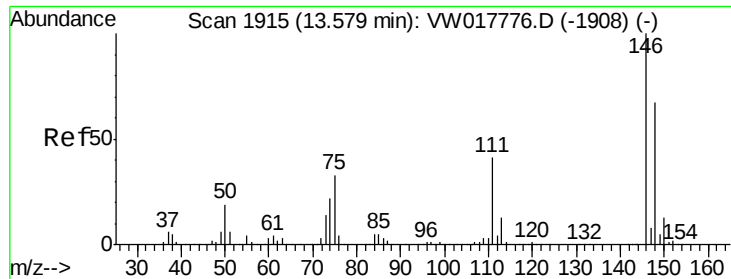
Tgt Ion:105 Resp: 34106
 Ion Ratio Lower Upper
 105 100
 120 45.2 35.6 53.4



#64
 1,3-Dichlorobenzene
 Concen: 2.485 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017774.D
 Acq: 30 Dec 2020 10:44

Tgt Ion:146 Resp: 19605
 Ion Ratio Lower Upper
 146 100
 111 43.1 26.7 49.7
 148 61.2 41.1 76.3

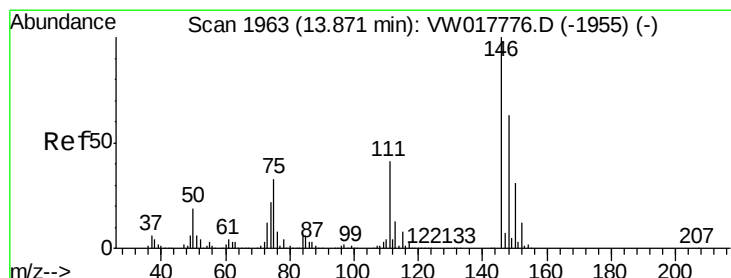
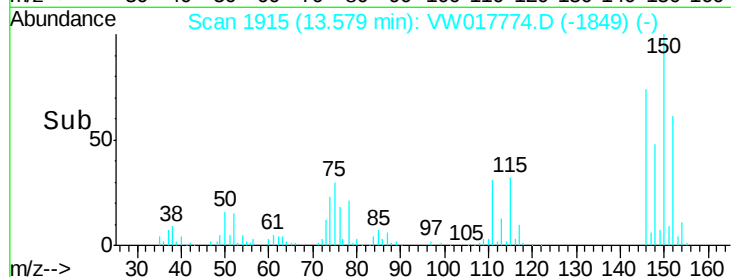
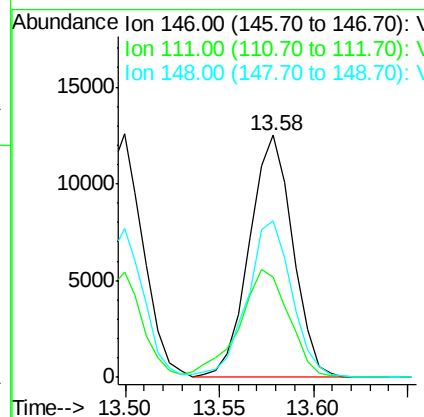
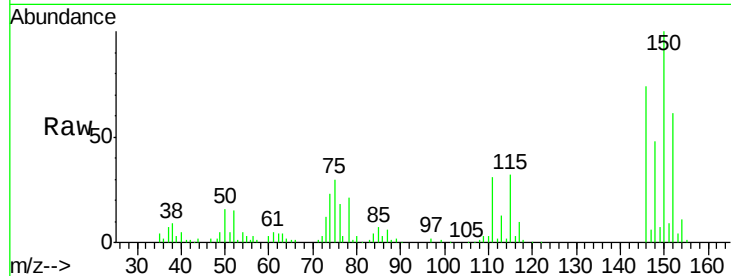




#65
 1,4-Dichlorobenzene
 Concen: 2.549 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017774.D
 Acq: 30 Dec 2020 10:44

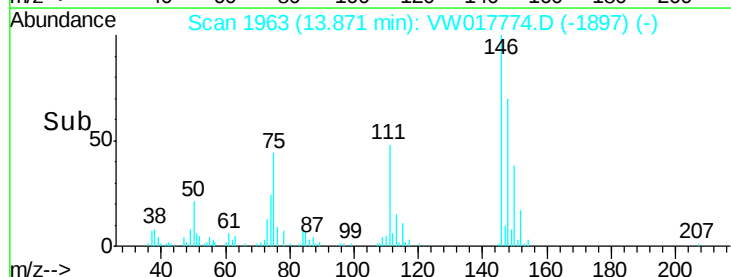
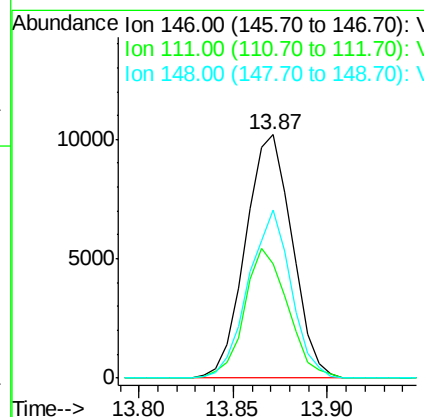
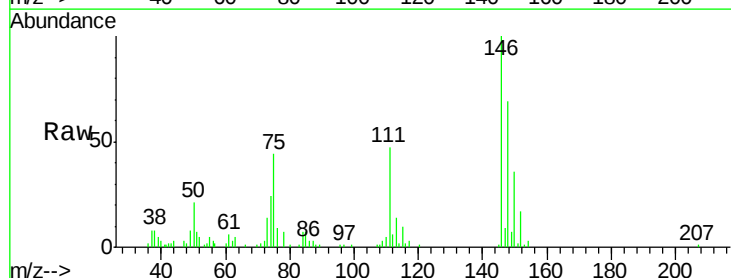
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

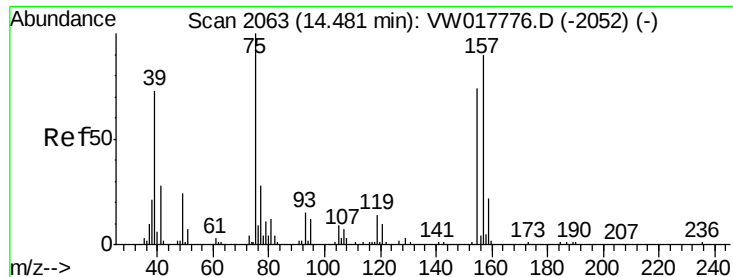
Tgt Ion:146 Resp: 19928
 Ion Ratio Lower Upper
 146 100
 111 41.3 28.8 53.4
 148 64.5 46.8 87.0



#67
 1,2-Dichlorobenzene
 Concen: 2.451 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017774.D
 Acq: 30 Dec 2020 10:44

Tgt Ion:146 Resp: 17546
 Ion Ratio Lower Upper
 146 100
 111 46.8 33.2 49.8
 148 69.1 50.4 75.6





#68

1,2-Dibromo-3-chloropropane

Concen: 2.999 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

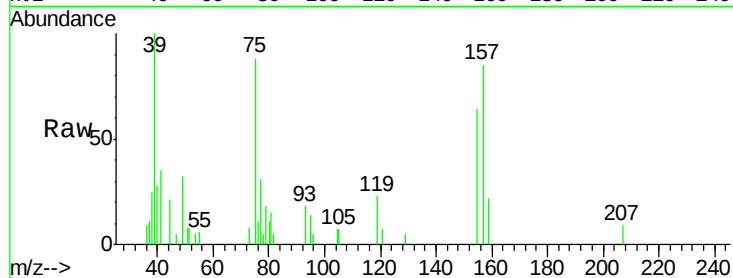
Tgt Ion: 75 Resp: 1761

Ion Ratio Lower Upper

75 100

155 72.8 59.4 89.0

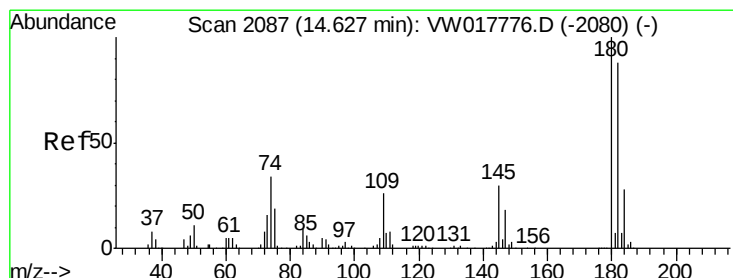
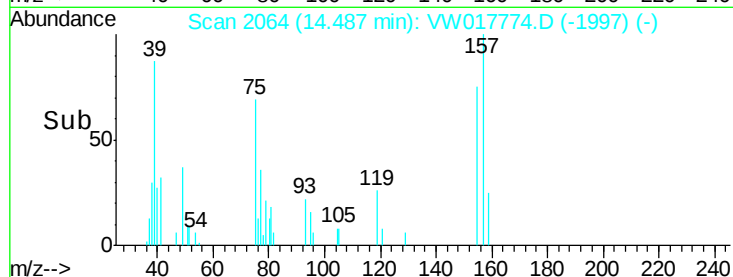
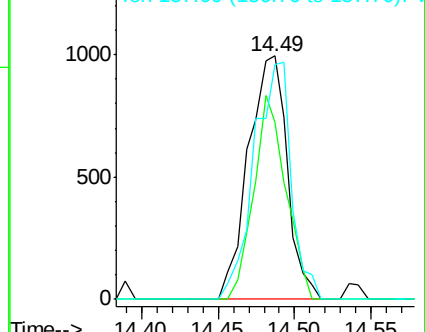
157 96.6 72.2 108.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#69

1,3,5-Trichlorobenzene

Concen: 2.513 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

Tgt Ion: 180 Resp: 13499

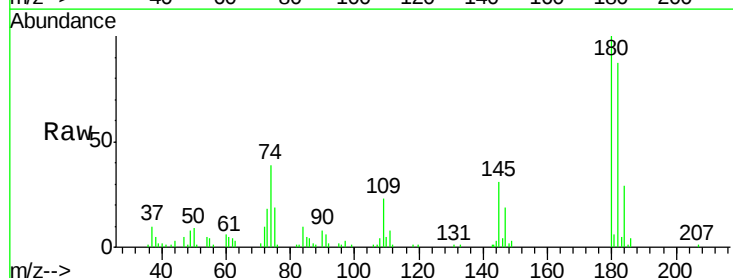
Ion Ratio Lower Upper

180 100

182 95.1 73.4 110.2

184 31.4 23.6 35.4

145 31.8 24.9 37.3

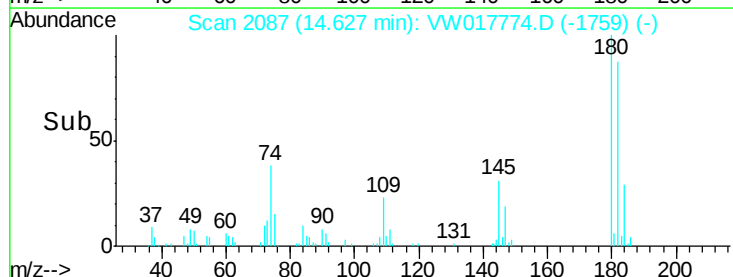
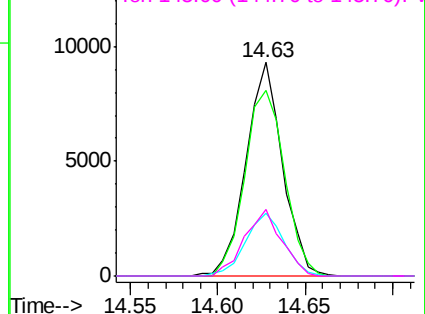


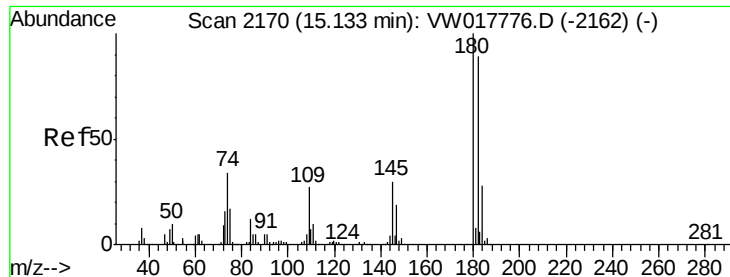
Abundance Ion 180.00 (179.70 to 180.70): V

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: 2.678 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

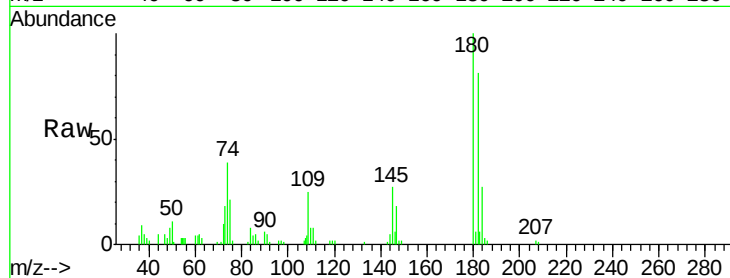
Tgt Ion:180 Resp: 12409

Ion Ratio Lower Upper

180 100

182 86.5 74.7 112.1

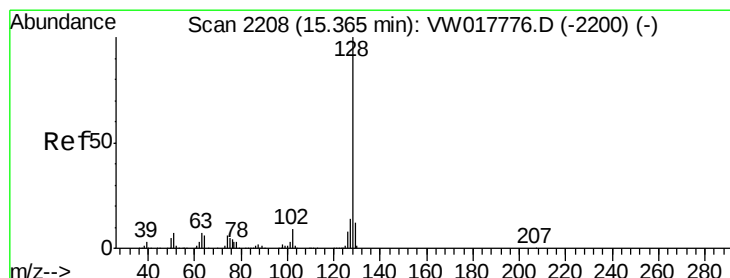
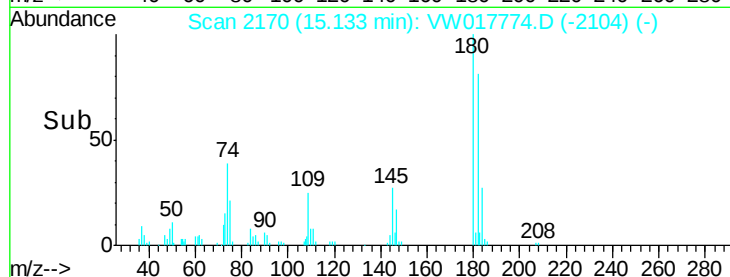
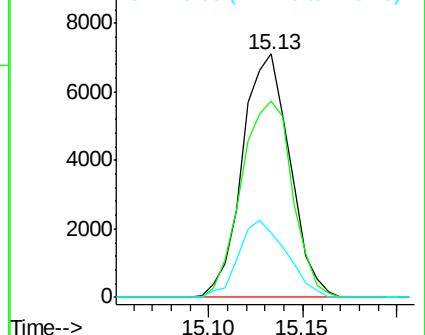
145 31.9 25.0 37.4



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: 2.619 ug/L

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW017774.D

Acq: 30 Dec 2020 10:44

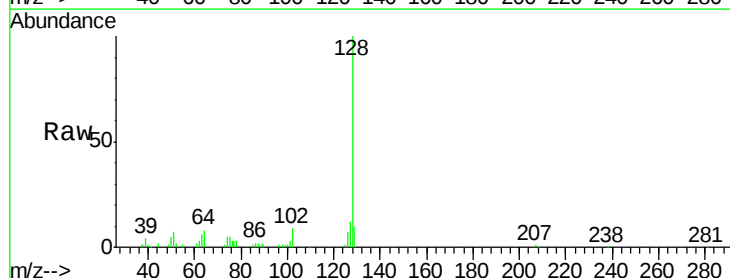
Tgt Ion:128 Resp: 26298

Ion Ratio Lower Upper

128 100

127 13.8 10.6 15.8

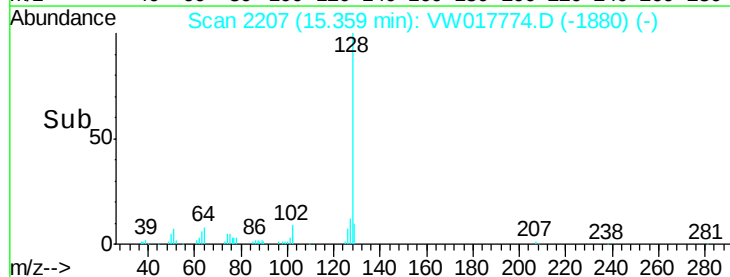
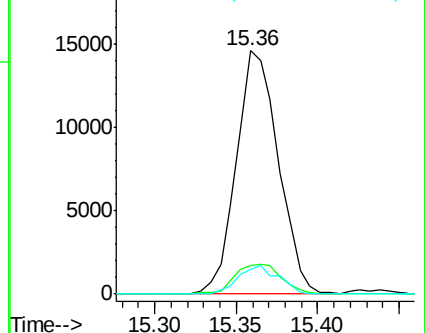
129 11.1 9.0 13.6

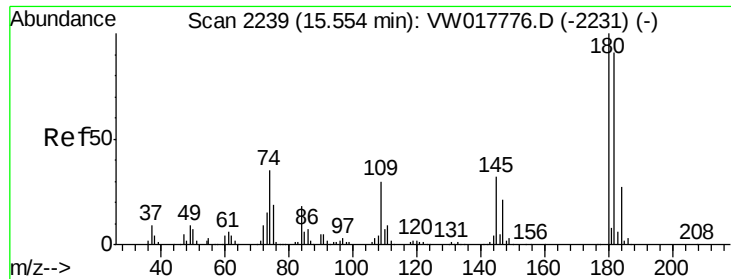


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

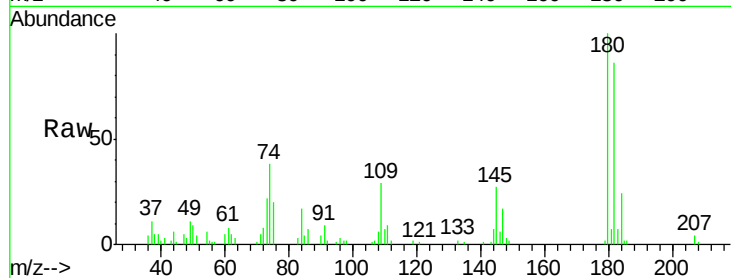




#72
 1,2,3-Trichlorobenzene
 Concen: 2.700 ug/L
 RT: 15.55 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: VW017774.D
 Acq: 30 Dec 2020 10:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.1	76.7	115.1
145	32.7	28.9	43.3



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

