

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110420\
 Data File : VW017084.D
 Acq On : 04 Nov 2020 20:47
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Quant Time: Nov 05 06:32:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 16:12:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	488406	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	459239	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	232654	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	170119	27.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.60%
7) Chloroethane-d5	2.89	69	130730	27.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.32%
10) 1,1-Dichloroethene-d2	4.02	63	289868	26.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.36%
20) 2-Butanone-d5	7.08	46	78548	57.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.20%
24) Chloroform-d	7.65	84	320086	28.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.28%
26) 1,2-Dichloroethane-d4	8.31	65	160865	28.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.52%
29) Benzene-d6	8.27	84	635056	27.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.60%
33) 1,2-Dichloropropane-d6	9.27	67	175835	27.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.72%
37) Toluene-d8	10.32	98	607653	27.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.24%
38) trans-1,3-Dichloropropene-	10.58	79	79244	27.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.68%
39) 2-Hexanone-d5	10.93	63	65157	57.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.44%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	159722	28.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.40%
61) 1,2-Dichlorobenzene-d4	13.85	152	232385	28.35	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	113.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	117349	23.948	ug/L 99
3) Chloromethane	2.21	50	104263	23.444	ug/L 100
5) Vinyl chloride	2.37	62	164118	25.161	ug/L 99
6) Bromomethane	2.78	94	114466	25.375	ug/L 98
8) Chloroethane	2.92	64	99827	25.365	ug/L 99
9) Trichlorofluoromethane	3.26	101	124695	23.505	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	163212	25.890	ug/L 100
12) 1,1-Dichloroethene	4.04	96	153283	25.287	ug/L 97
13) Acetone	4.12	43	50421	54.738	ug/L 99
14) Carbon disulfide	4.39	76	408094	24.738	ug/L 100
15) Methyl Acetate	4.67	43	62613	27.425	ug/L 97
16) Methylene chloride	4.92	84	162597	24.693	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	197987	26.748	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	160203	25.531	ug/L 99
19) 1,1-Dichloroethane	6.22	63	261772	26.331	ug/L 99
21) 2-Butanone	7.17	43	79802	53.955	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	173390	26.135	ug/L 98

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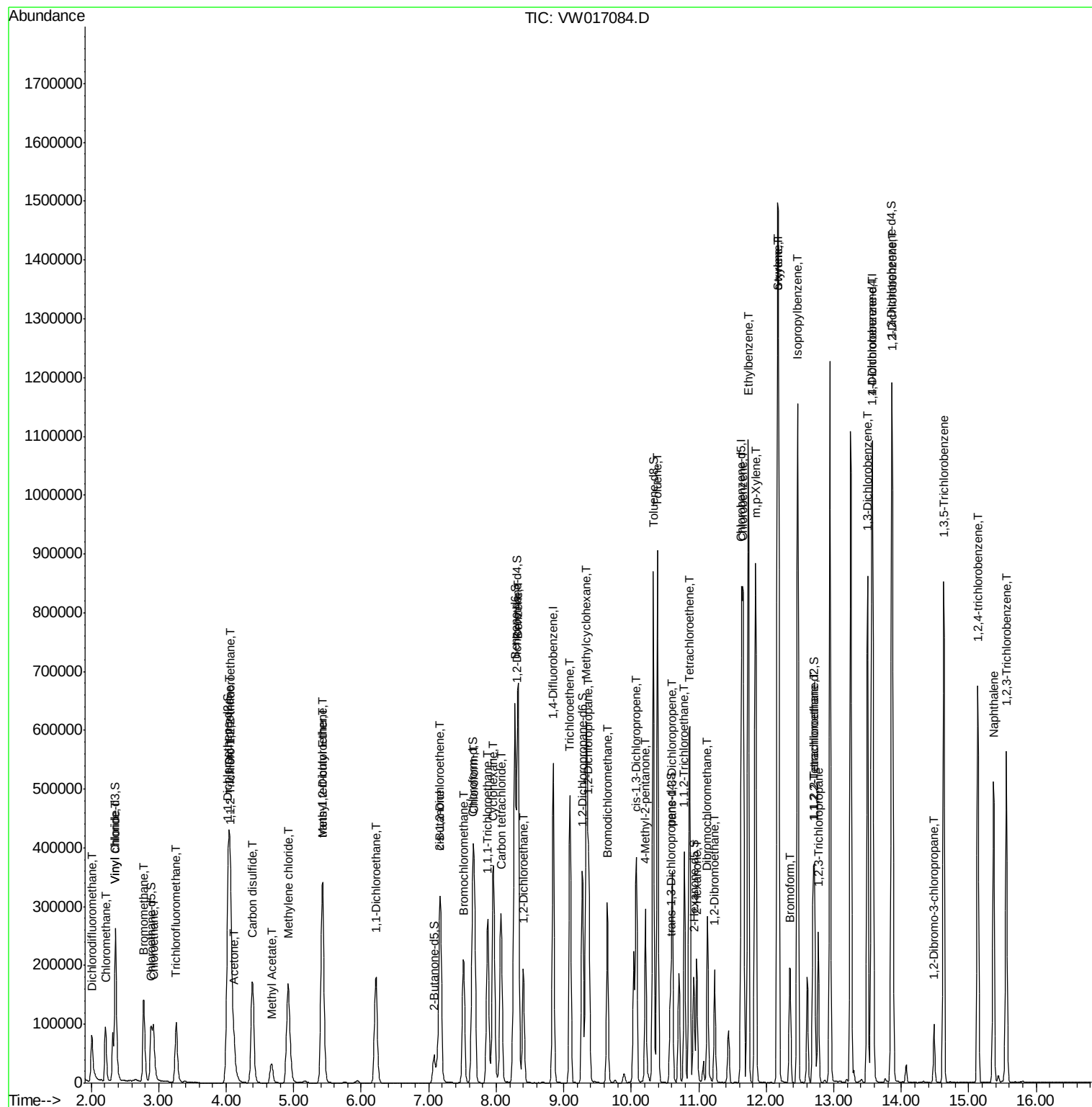
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	86008	26.925	ug/L	95
25) Chloroform	7.68	83	290966	26.883	ug/L	100
27) 1,2-Dichloroethane	8.40	62	177012	27.291	ug/L	98
30) Cyclohexane	7.96	56	214174	24.769	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	240182	25.539	ug/L	99
32) Carbon tetrachloride	8.07	117	229694	25.311	ug/L	99
34) Benzene	8.32	78	621179	25.760	ug/L	100
35) Trichloroethene	9.09	95	166932	24.712	ug/L	99
36) Methylcyclohexane	9.34	83	269807	24.822	ug/L	99
40) 1,2-Dichloropropane	9.37	63	146419	25.974	ug/L	99
41) Bromodichloromethane	9.65	83	207818	26.656	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	237849	26.639	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	181053	52.059	ug/L	100
44) Toluene	10.39	91	687788	25.912	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	206780	26.967	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	129461	26.637	ug/L	98
47) Tetrachloroethene	10.87	164	150892	24.758	ug/L	95
49) 2-Hexanone	10.97	43	119908	57.189	ug/L	97
50) Dibromochloromethane	11.13	129	156765	26.475	ug/L	98
51) 1,2-Dibromoethane	11.24	107	126994	26.896	ug/L	100
52) Chlorobenzene	11.66	112	458258	25.526	ug/L	99
53) Ethylbenzene	11.73	91	769564	25.957	ug/L	97
54) m,p-Xylene	11.84	106	303910	26.205	ug/L	95
55) o-xylene	12.16	106	288696	26.226	ug/L	95
56) Styrene	12.18	104	500513	27.081	ug/L	98
57) Isopropylbenzene	12.46	105	768844	25.735	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	150912	26.879	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	108380	26.855	ug/L	100
62) Bromoform	12.35	173	95355	26.700	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	378602	26.160	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	375176	25.803	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	351581	26.938	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	24175	28.016	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	280850	26.334	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	227269	26.704	ug/L	98
69) Naphthalene	15.36	128	455177	29.063	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	211809	27.238	ug/L	97

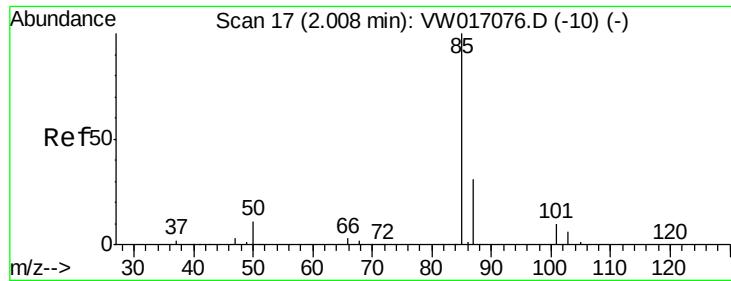
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.948 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW017084.D

Acq: 04 Nov 2020 20:47

Instrument :

MSVOA_W

ClientSampleId :

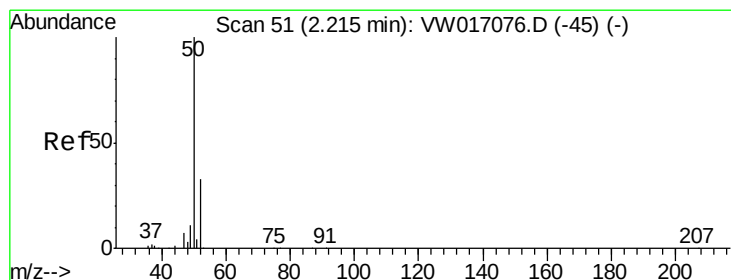
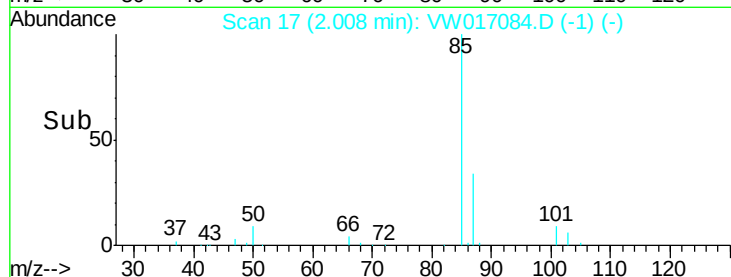
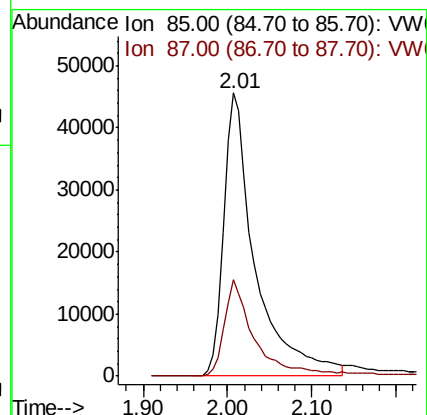
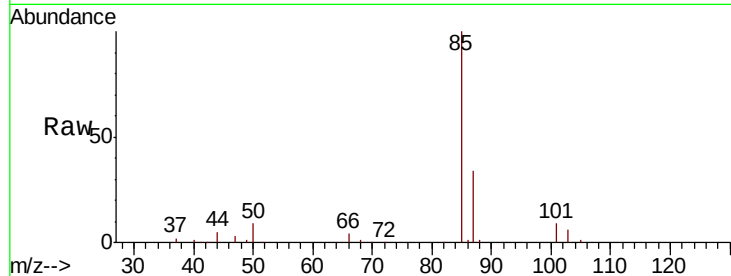
VSTD02513

Tot Ion: 85 Resp: 117349

Ion Ratio Lower Upper

85 100

87 31.5 21.5 39.9



#3

Chloromethane

Concen: 23.444 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017084.D

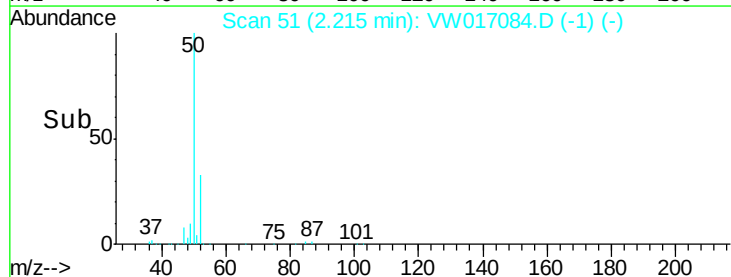
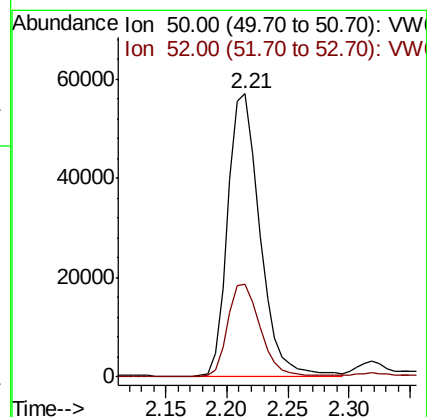
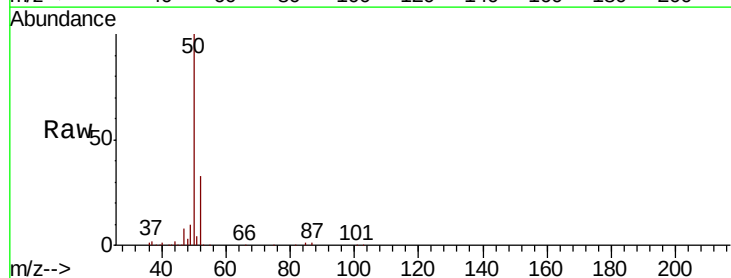
Acq: 04 Nov 2020 20:47

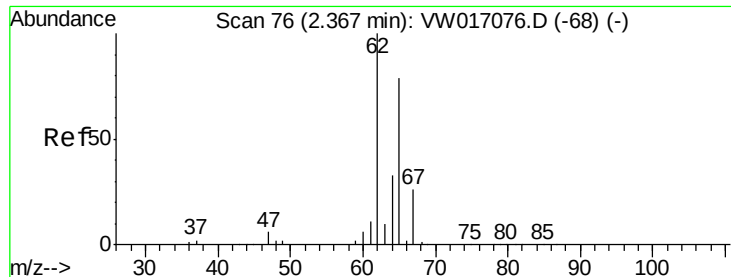
Tgt Ion: 50 Resp: 104263

Ion Ratio Lower Upper

50 100

52 32.7 23.1 42.9





#5

Vinyl chloride

Concen: 25.161 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017084.D

Acq: 04 Nov 2020 20:47

Instrument :

MSVOA_W

ClientSampleId :

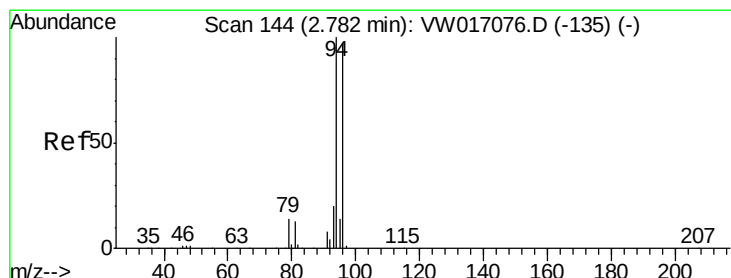
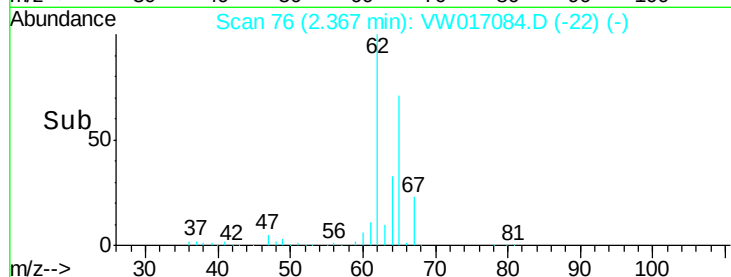
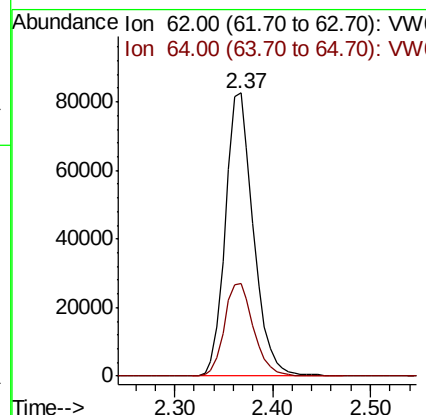
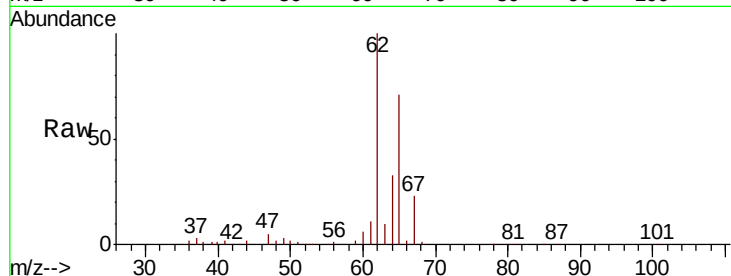
VSTD02513

Tot Ion: 62 Resp: 164118

Ion Ratio Lower Upper

62 100

64 32.8 23.3 43.3



#6

Bromomethane

Concen: 25.375 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW017084.D

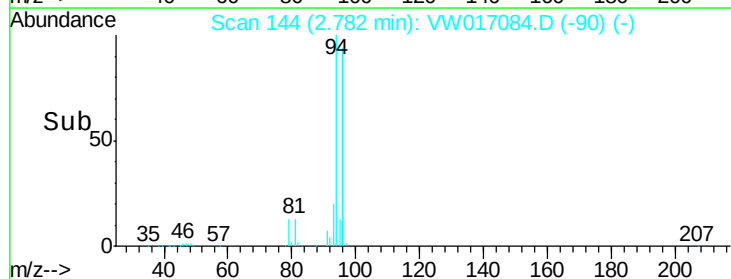
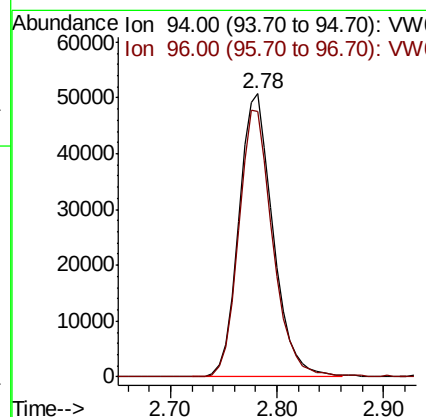
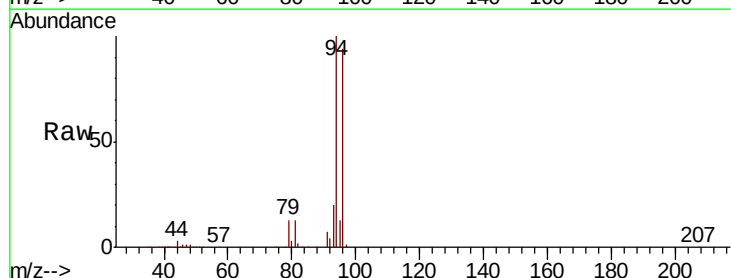
Acq: 04 Nov 2020 20:47

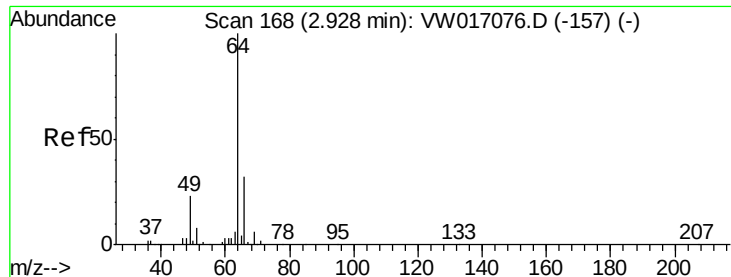
Tgt Ion: 94 Resp: 114466

Ion Ratio Lower Upper

94 100

96 93.9 9.6 181.8





#8

Chloroethane

Concen: 25.365 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW017084.D

Acq: 04 Nov 2020 20:47

Instrument :

MSVOA_W

ClientSampleId :

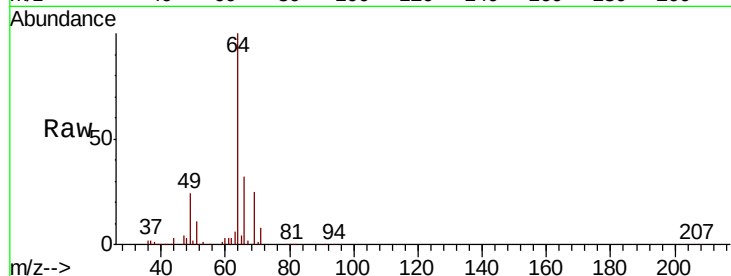
VSTD02513

Tot Ion: 64 Resp: 99827

Ion Ratio Lower Upper

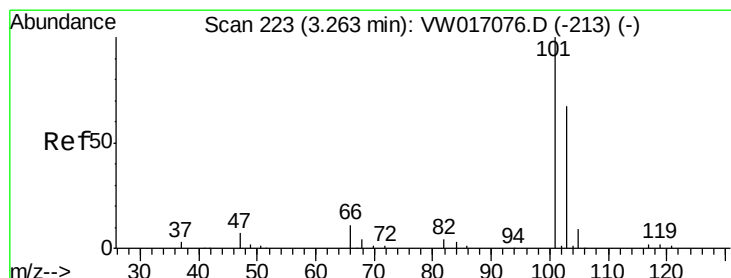
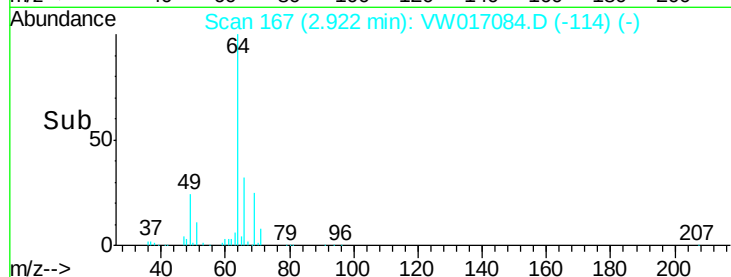
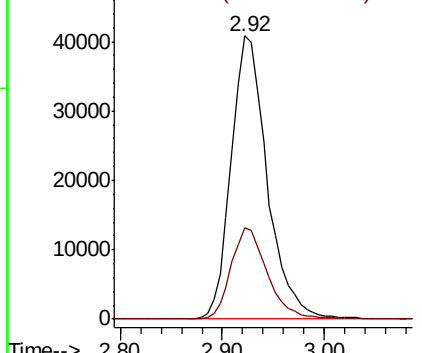
64 100

66 32.3 22.3 41.5



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 23.505 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW017084.D

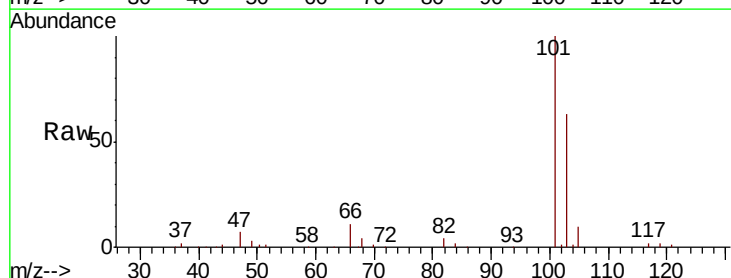
Acq: 04 Nov 2020 20:47

Tgt Ion:101 Resp: 124695

Ion Ratio Lower Upper

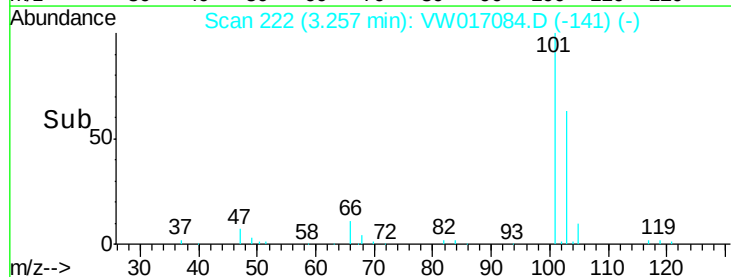
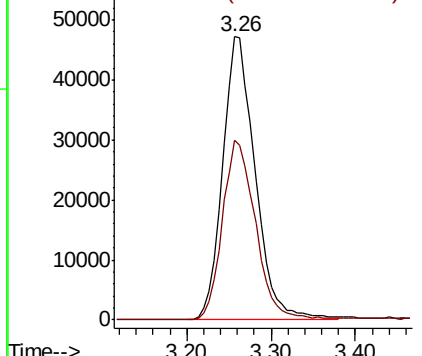
101 100

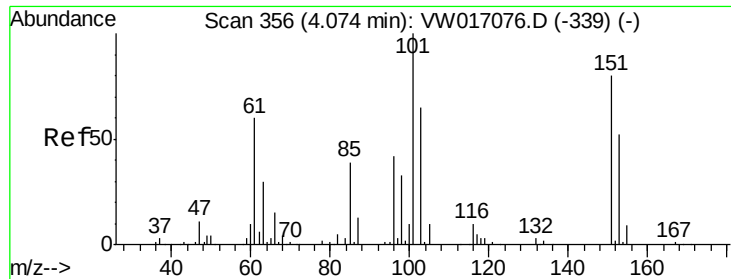
103 63.9 45.4 84.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 25.890 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

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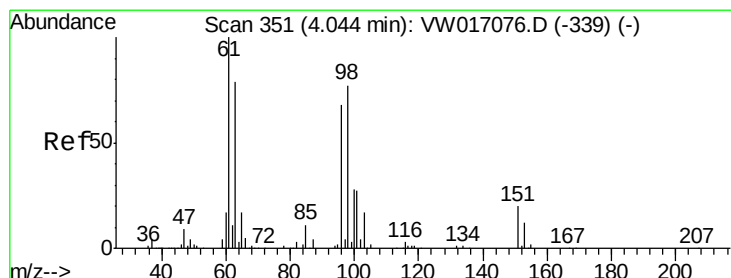
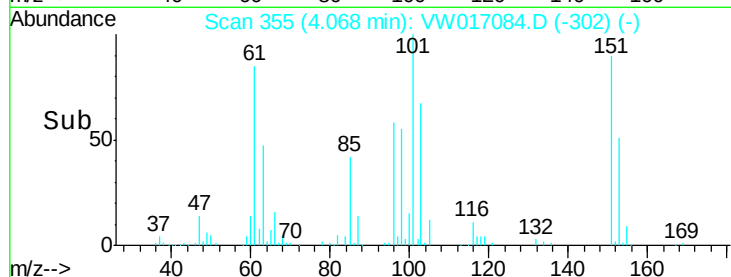
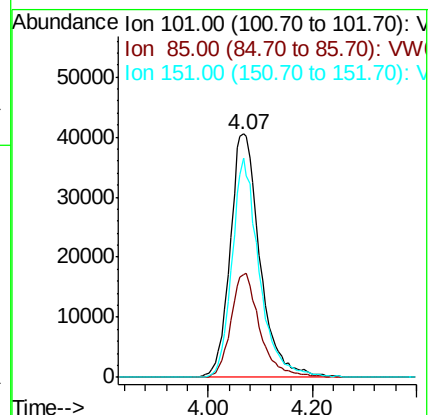
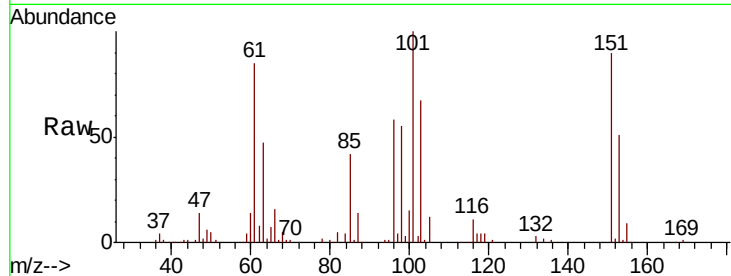
Tot Ion:101 Resp: 163212

Ion Ratio Lower Upper

101 100

85 41.1 32.8 49.2

151 81.8 65.4 98.2



#12

1,1-Dichloroethene

Concen: 25.287 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017084.D

Acq: 04 Nov 2020 20:47

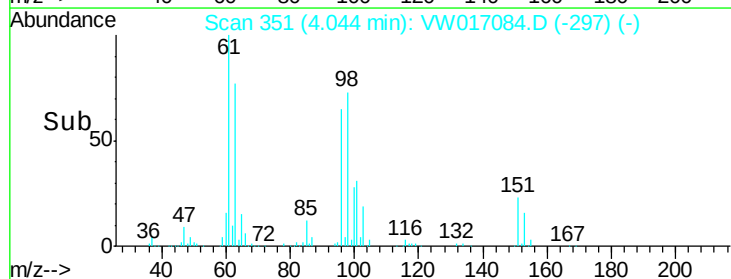
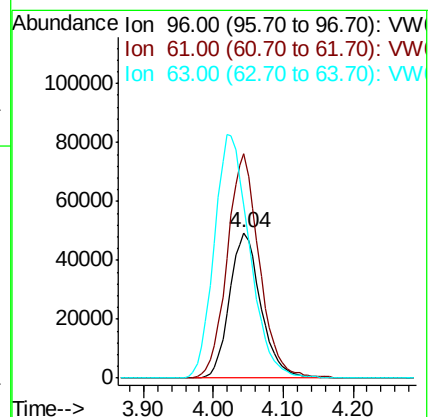
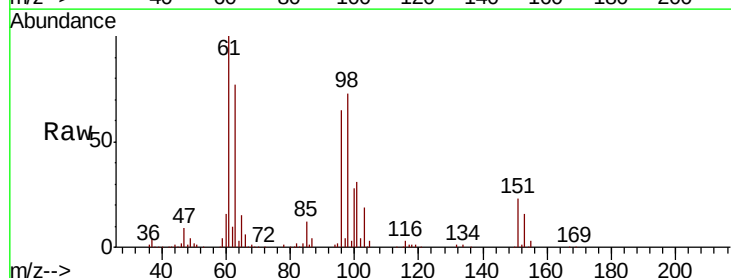
Tgt Ion: 96 Resp: 153283

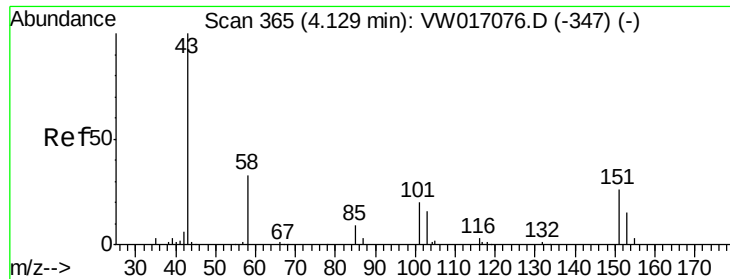
Ion Ratio Lower Upper

96 100

61 154.6 103.8 192.8

63 119.1 84.4 156.7





#13

Acetone

Concen: 54.738 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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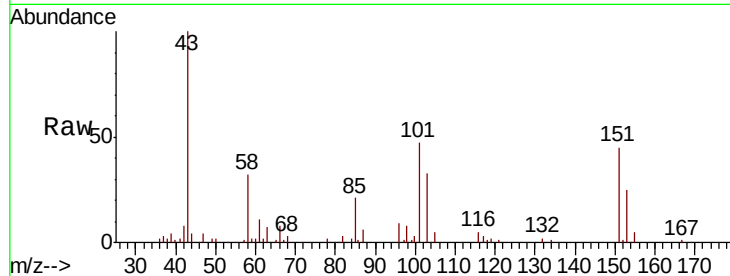
VSTD02513

Tot Ion: 43 Resp: 50421

Ion Ratio Lower Upper

43 100

58 34.0 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

20000

15000

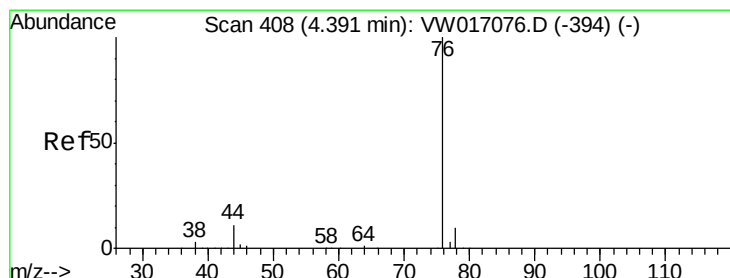
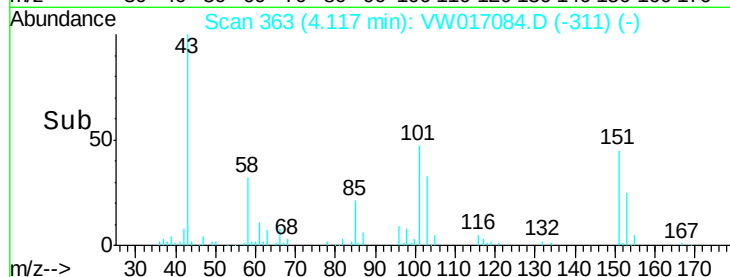
10000

5000

0

Time-->

4.00 4.10 4.20



#14

Carbon disulfide

Concen: 24.738 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017084.D

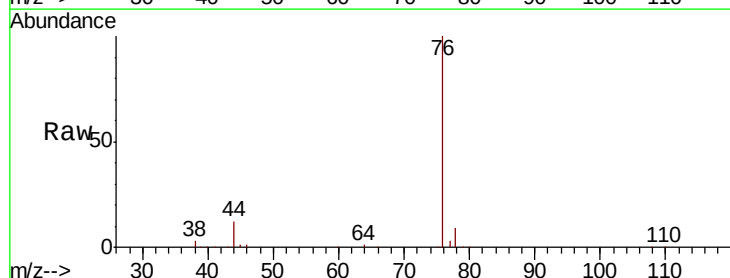
Acq: 04 Nov 2020 20:47

Tgt Ion: 76 Resp: 408094

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

150000

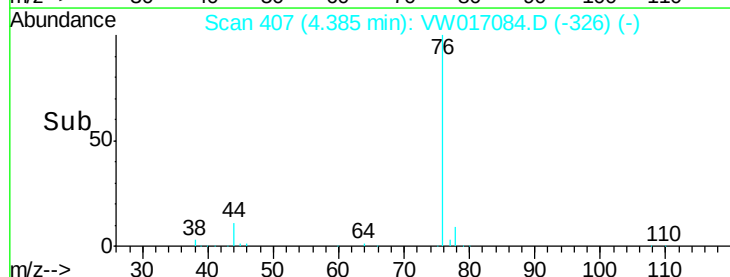
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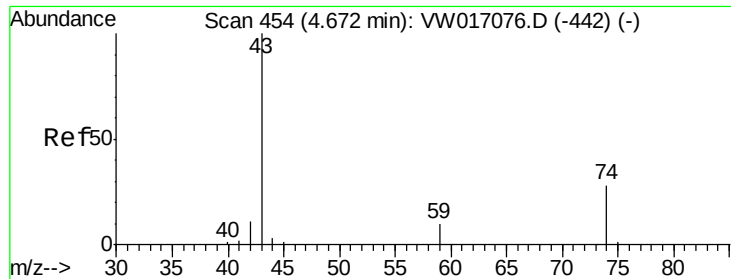
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0

Time-->

4.20 4.30 4.40 4.50 4.60

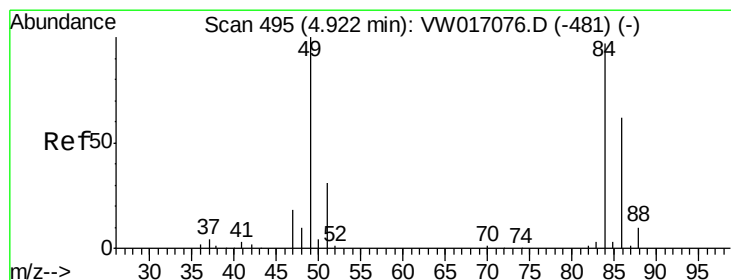
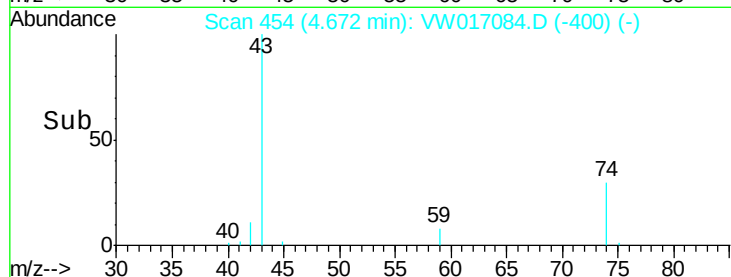
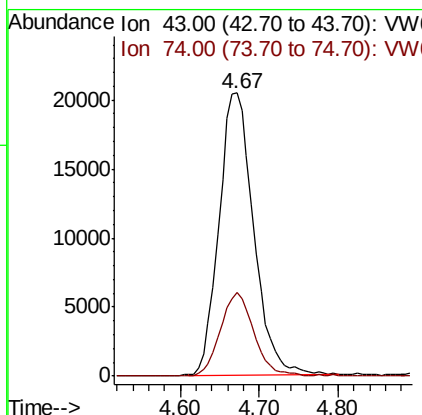
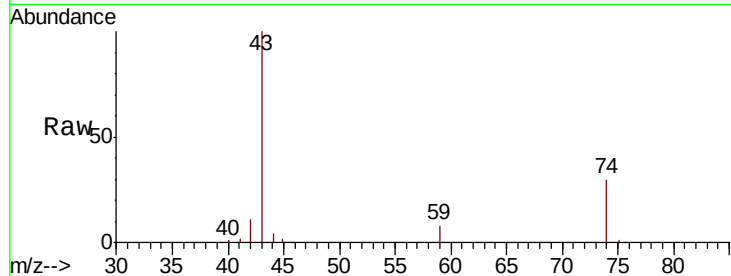




#15
Methvl Acetate
Concen: 27.425 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW017084.D
Acq: 04 Nov 2020 20:47

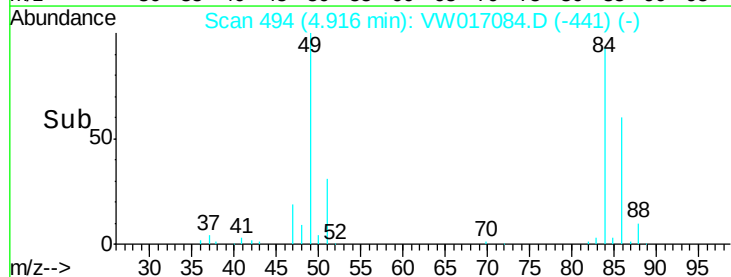
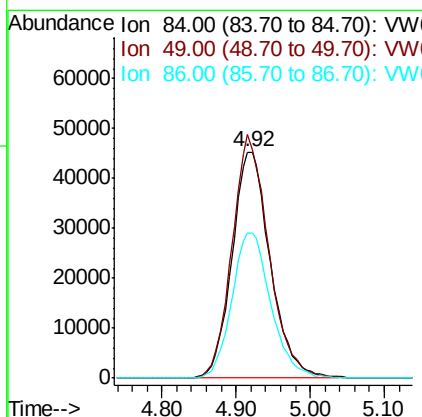
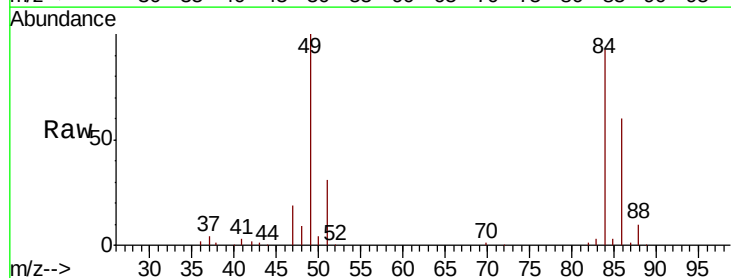
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

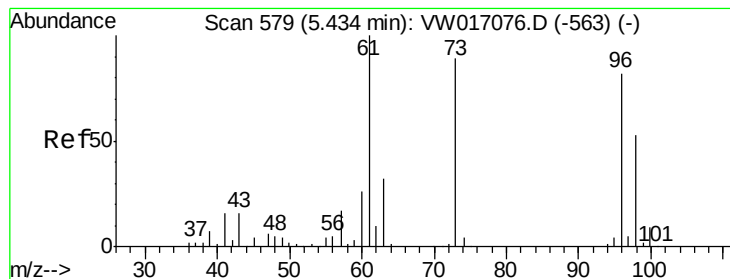
Tot Ion: 43 Resp: 62613
Ion Ratio Lower Upper
43 100
74 28.5 21.5 32.3



#16
Methylene chloride
Concen: 24.693 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW017084.D
Acq: 04 Nov 2020 20:47

Tgt Ion: 84 Resp: 162597
Ion Ratio Lower Upper
84 100
49 107.6 72.3 134.3
86 64.1 45.1 83.7





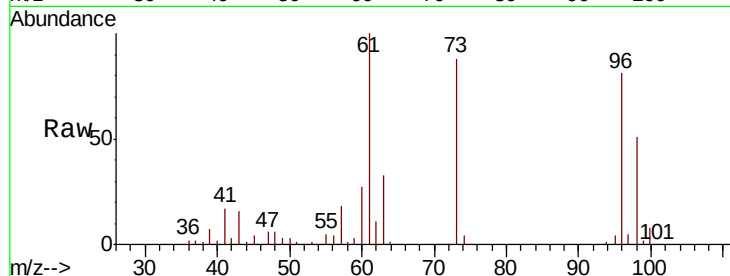
#17

Methyl tert-butyl Ether
 Concen: 26.748 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW017084.D
 Acq: 04 Nov 2020 20:47

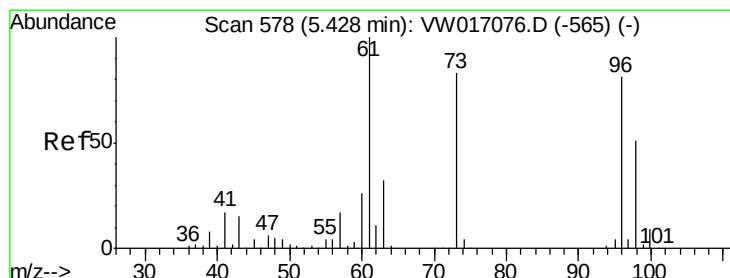
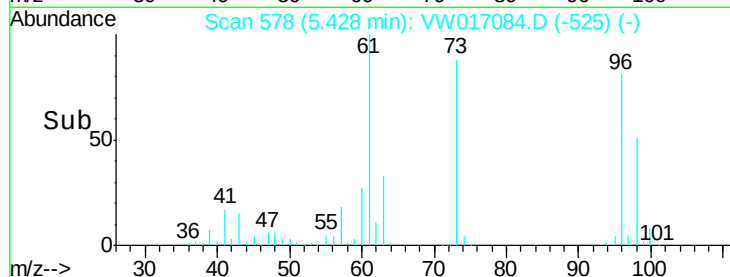
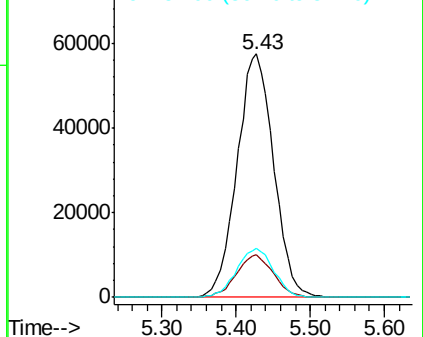
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Tot Ion: 73 Resp: 197987

Ion	Ratio	Lower	Upper
73	100		
43	17.7	14.5	21.7
57	20.3	16.3	24.5



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

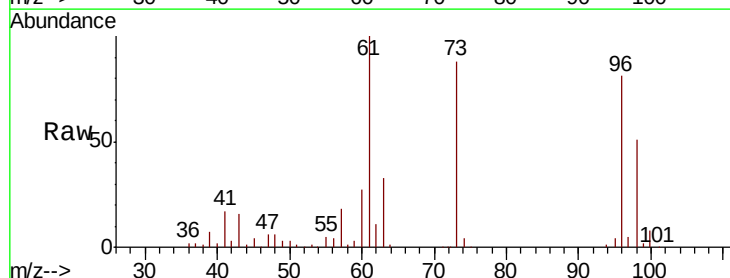


#18

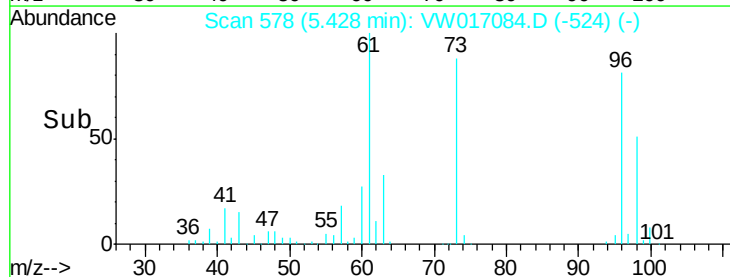
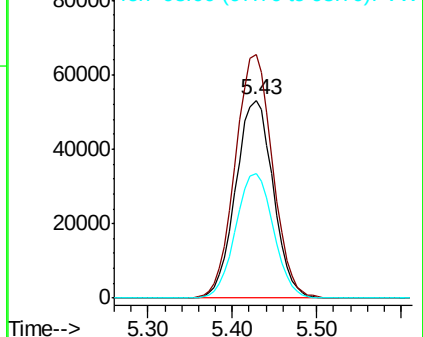
trans-1,2-Dichloroethene
 Concen: 25.531 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW017084.D
 Acq: 04 Nov 2020 20:47

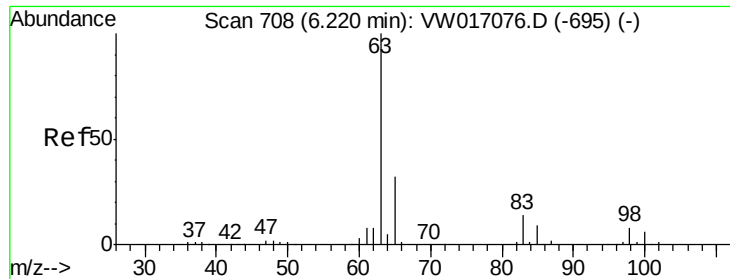
Tgt Ion: 96 Resp: 160203

Ion	Ratio	Lower	Upper
96	100		
61	123.1	86.8	161.2
98	63.1	44.4	82.4



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

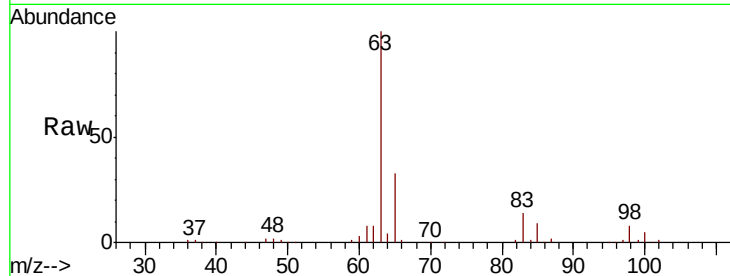




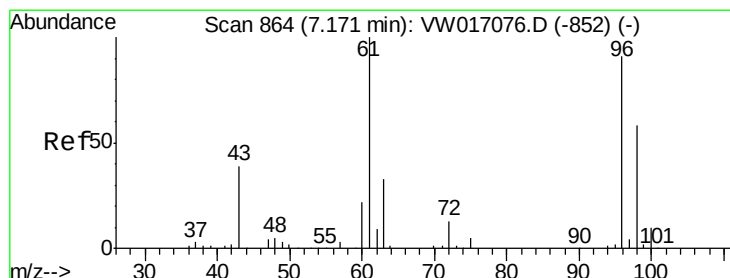
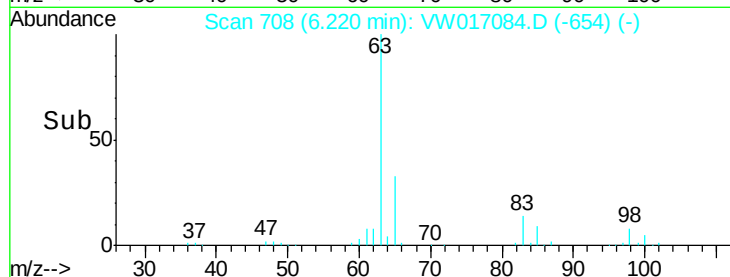
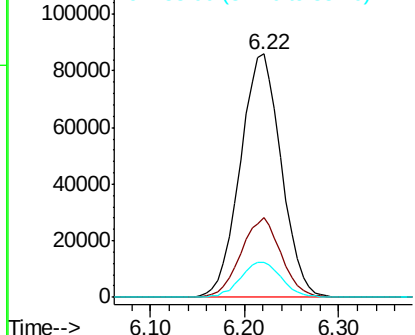
#19
 1,1-Dichloroethane
 Concen: 26.331 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW017084.D
 Acq: 04 Nov 2020 20:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Tot Ion: 63 Resp: 261772
 Ion Ratio Lower Upper
 63 100
 65 32.8 22.1 41.1
 83 14.2 10.0 18.6

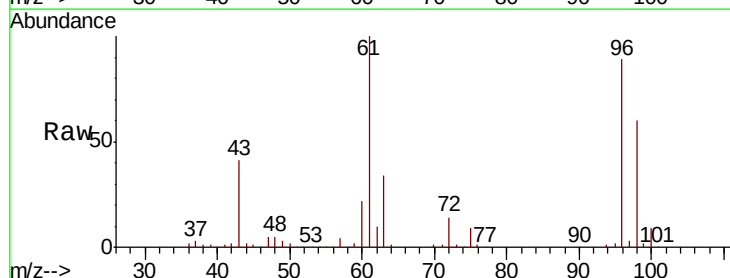


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

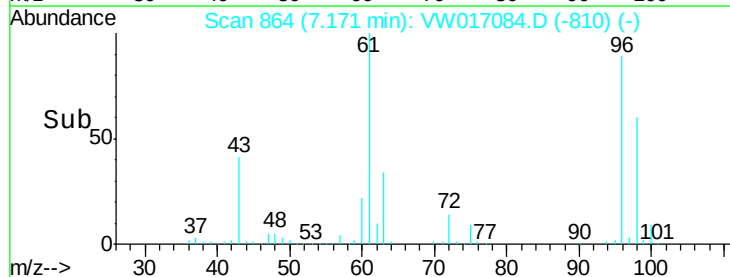
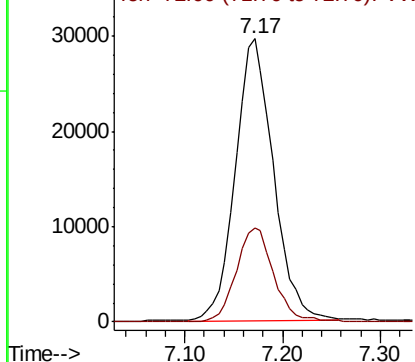


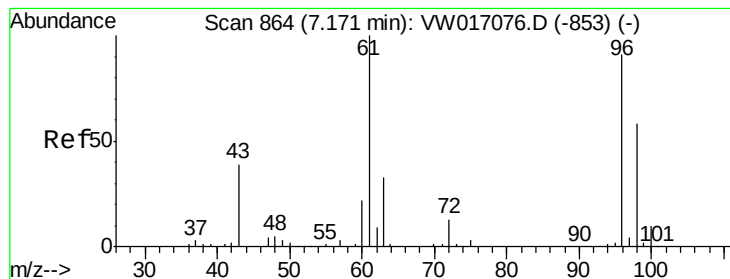
#21
 2-Butanone
 Concen: 53.955 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW017084.D
 Acq: 04 Nov 2020 20:47

Tgt Ion: 43 Resp: 79802
 Ion Ratio Lower Upper
 43 100
 72 32.1 16.1 48.3



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 72.00 (71.70 to 72.70): VW



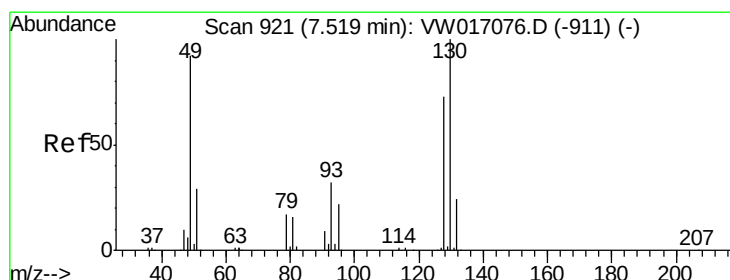
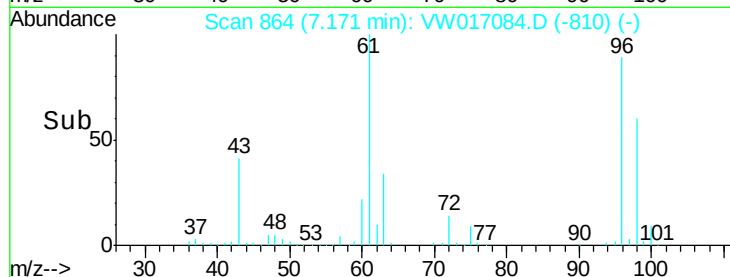
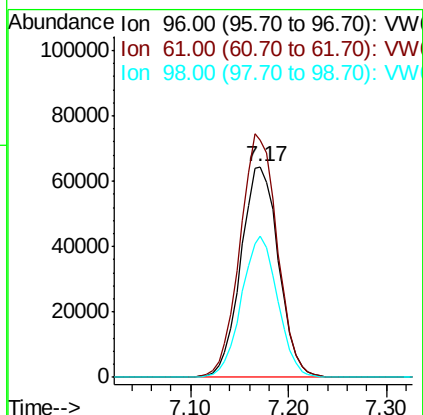
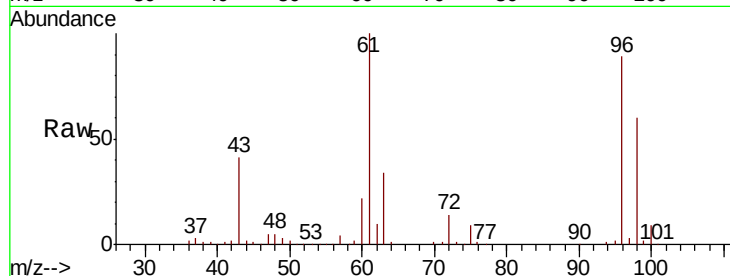


#22

cis-1,2-Dichloroethene
Concen: 26.135 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017084.D
Acq: 04 Nov 2020 20:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

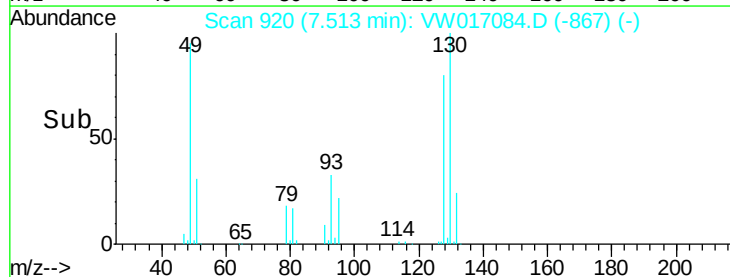
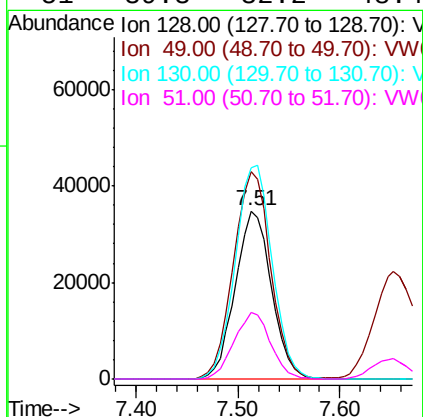
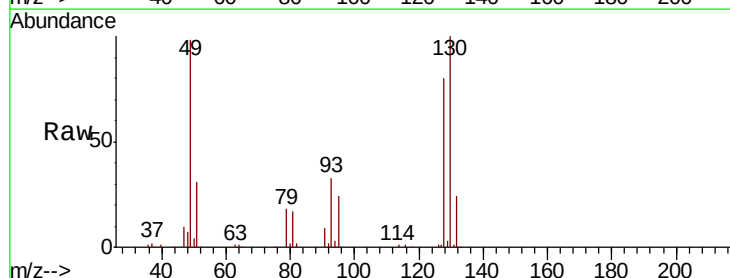
Tot Ion: 96 Resp: 173390
Ion Ratio Lower Upper
96 100
61 112.5 77.4 143.8
98 67.1 45.1 83.7

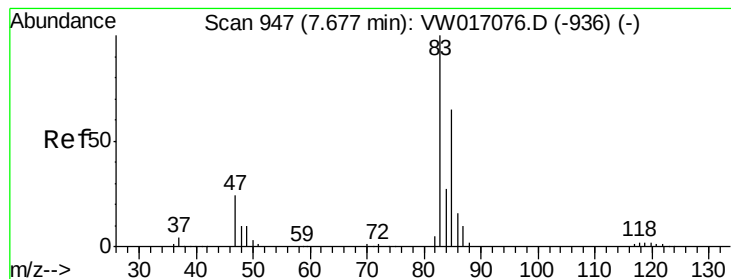


#23

Bromochloromethane
Concen: 26.925 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW017084.D
Acq: 04 Nov 2020 20:47

Tgt Ion: 128 Resp: 86008
Ion Ratio Lower Upper
128 100
49 123.4 88.3 163.9
130 125.3 95.6 177.6
51 39.3 32.2 48.4





#25

Chloroform

Concen: 26.883 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW017084.D

Acq: 04 Nov 2020 20:47

Instrument :

MSVOA_W

ClientSampled :

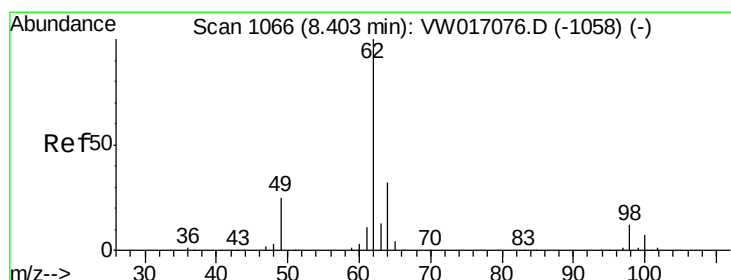
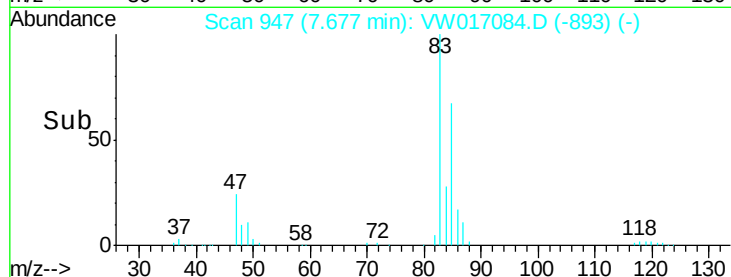
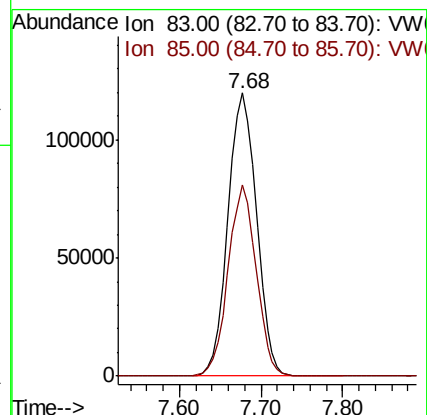
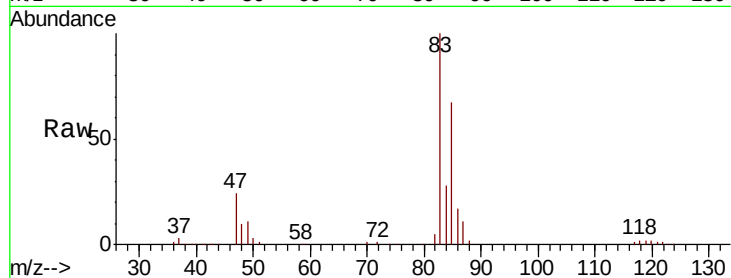
VSTD02513

Tot Ion: 83 Resp: 290966

Ion Ratio Lower Upper

83 100

85 66.3 46.4 86.2



#27

1,2-Dichloroethane

Concen: 27.291 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW017084.D

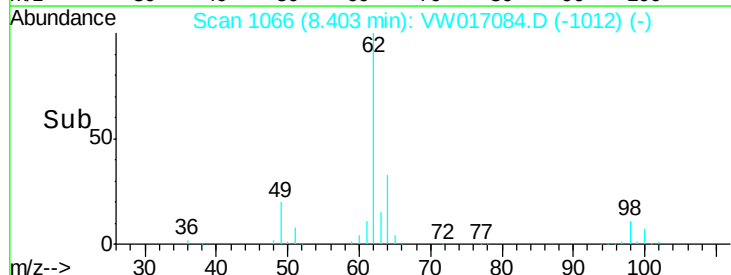
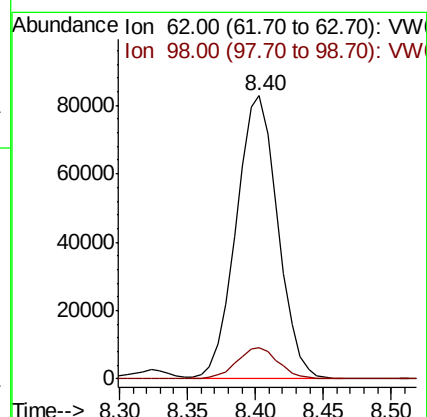
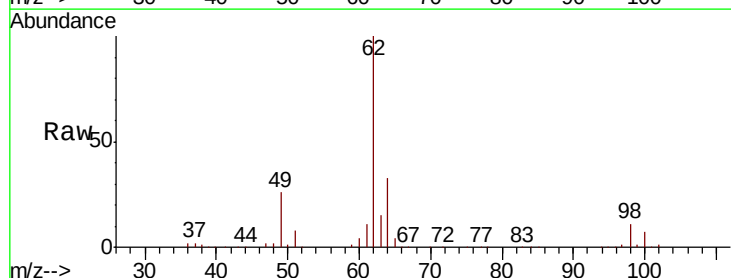
Acq: 04 Nov 2020 20:47

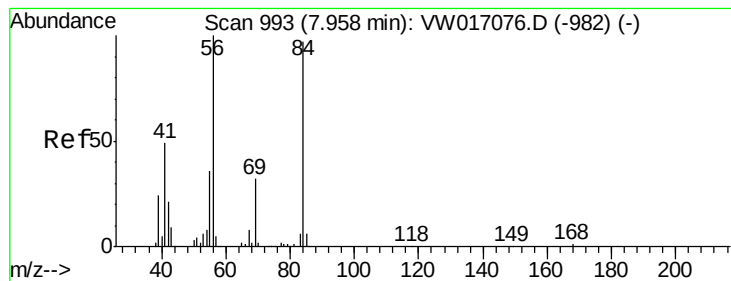
Tgt Ion: 62 Resp: 177012

Ion Ratio Lower Upper

62 100

98 10.8 9.4 14.0





#30

Cyclohexane

Concen: 24.769 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017084.D

Acq: 04 Nov 2020 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

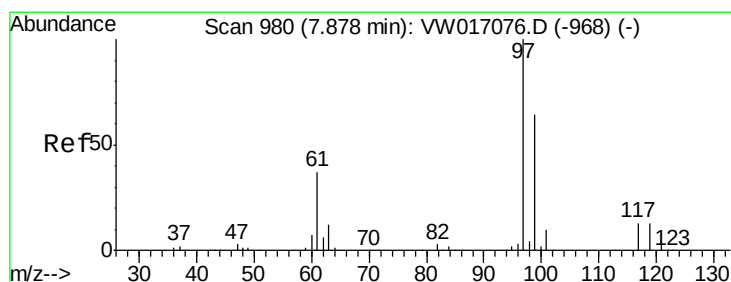
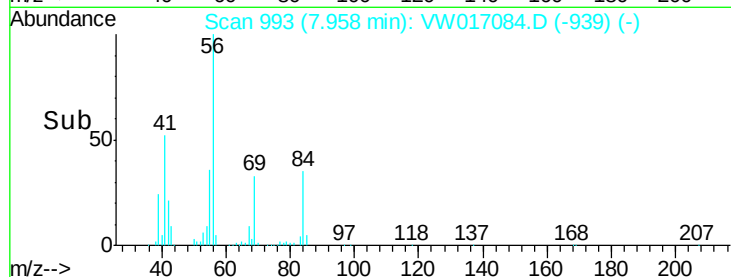
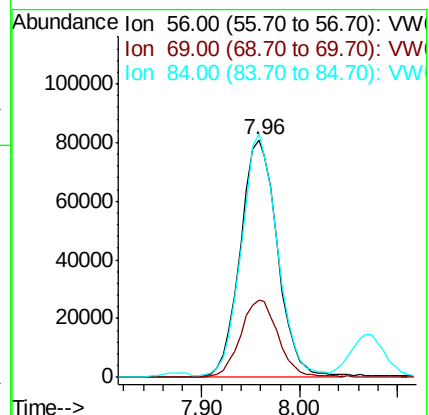
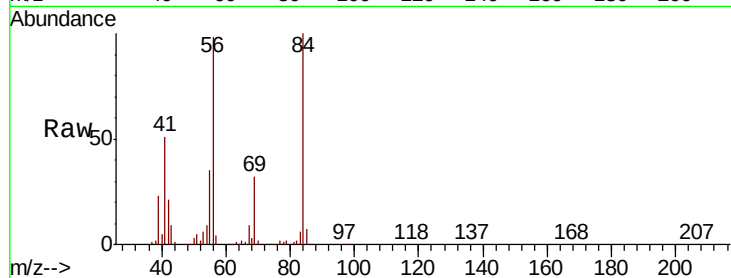
Tot Ion: 56 Resp: 214174

Ion Ratio Lower Upper

56 100

69 32.9 26.1 39.1

84 99.1 79.1 118.7



#31

1,1,1-Trichloroethane

Concen: 25.539 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW017084.D

Acq: 04 Nov 2020 20:47

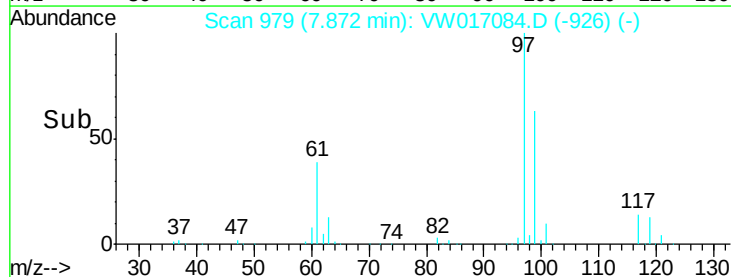
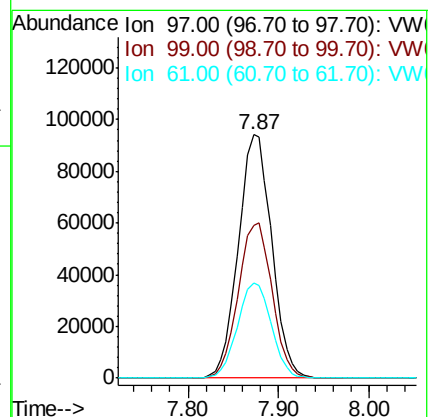
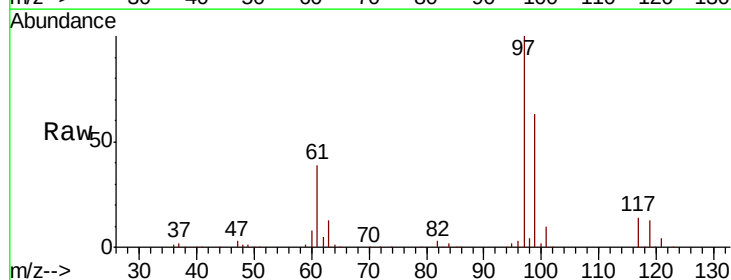
Tgt Ion: 97 Resp: 240182

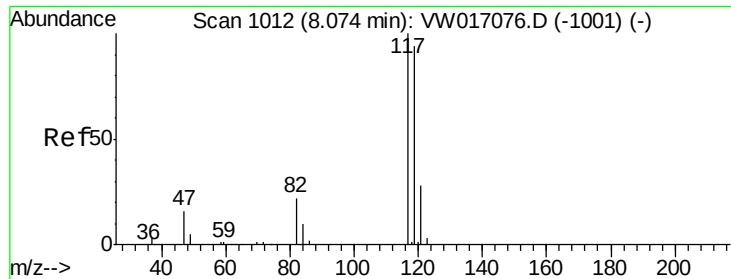
Ion Ratio Lower Upper

97 100

99 64.7 51.4 77.0

61 39.6 31.6 47.4





#32

Carbon tetrachloride

Concen: 25.311 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW017084.D

Acq: 04 Nov 2020 20:47

Instrument :

MSVOA_W

ClientSampled :

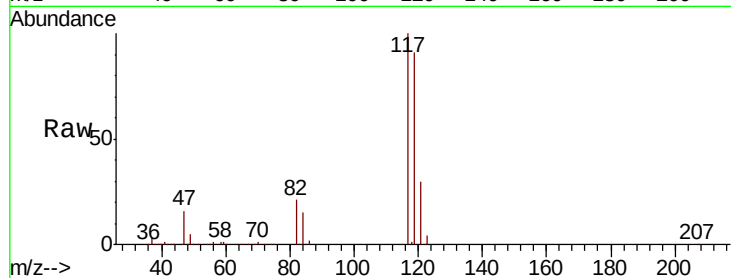
VSTD02513

Tot Ion:117 Resp: 229694

Ion Ratio Lower Upper

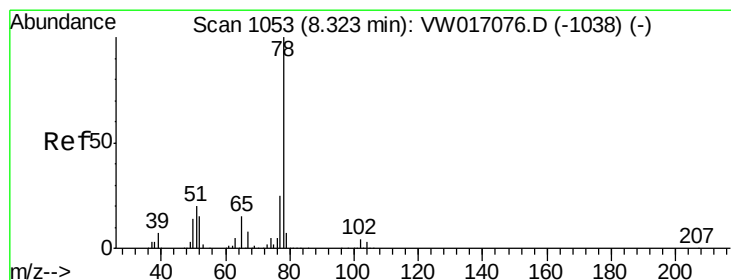
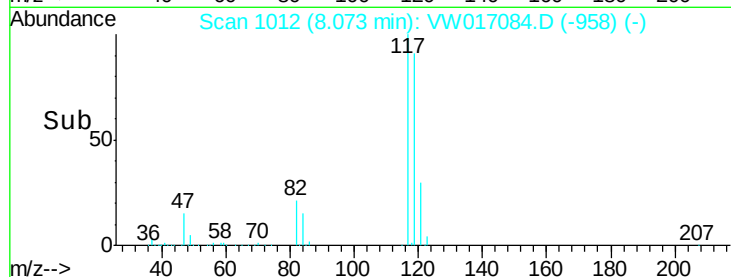
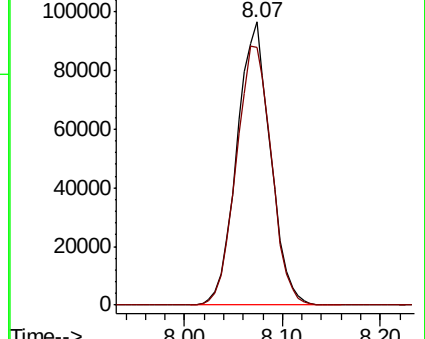
117 100

119 95.7 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.760 ug/L

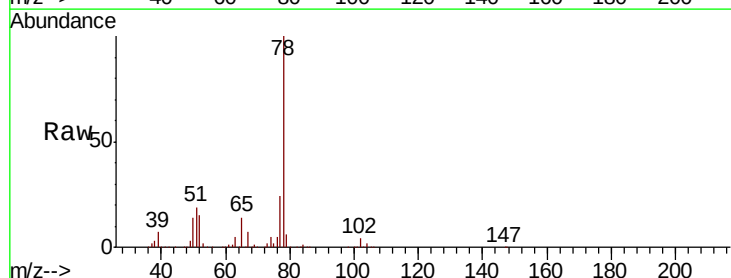
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

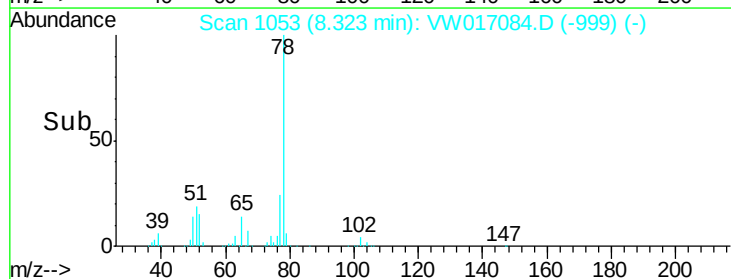
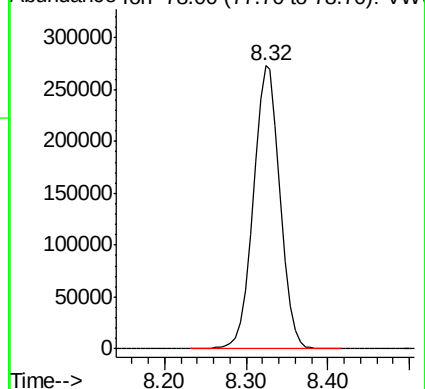
Lab File: VW017084.D

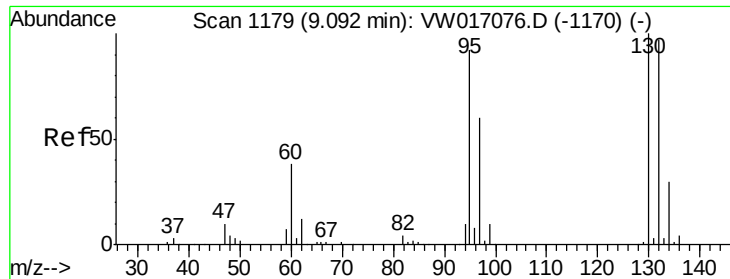
Acq: 04 Nov 2020 20:47

Tgt Ion: 78 Resp: 621179



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.712 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017084.D

Acq: 04 Nov 2020 20:47

Instrument :

MSVOA_W

ClientSampled :

VSTD02513

Tot Ion: 95 Resp: 166932

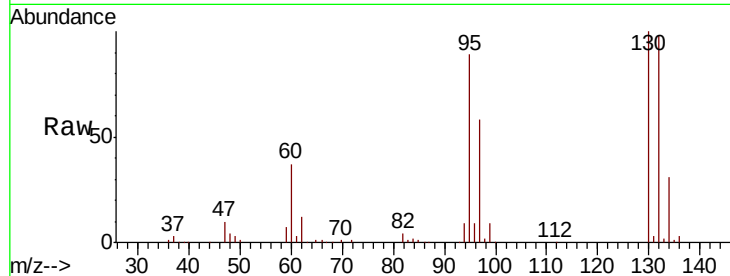
Ion Ratio Lower Upper

95 100

97 65.4 45.0 83.6

132 105.1 73.7 136.9

130 110.8 77.1 143.1

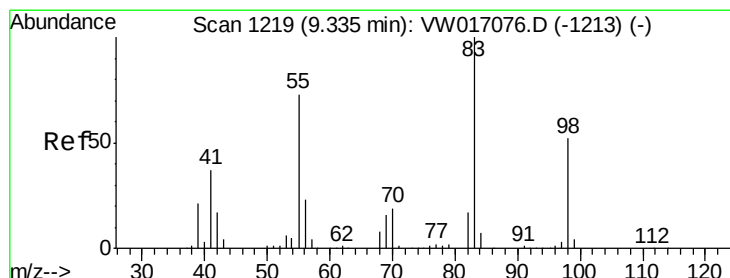
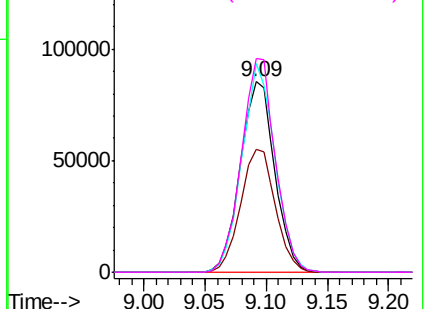
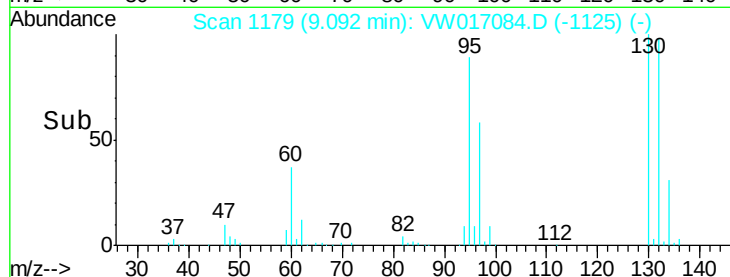


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 24.822 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW017084.D

Acq: 04 Nov 2020 20:47

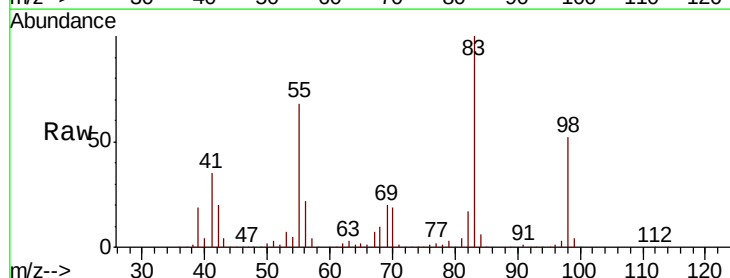
Tgt Ion: 83 Resp: 269807

Ion Ratio Lower Upper

83 100

55 67.7 54.4 81.6

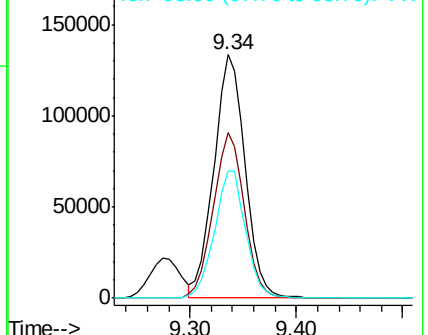
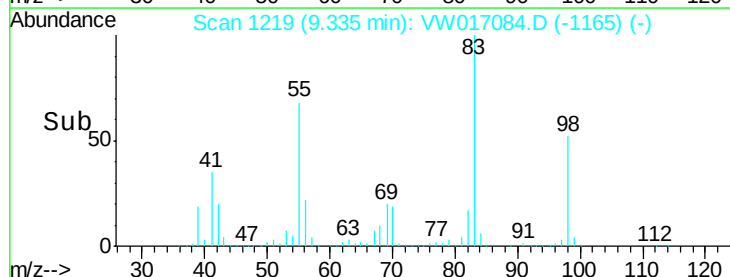
98 52.6 40.5 60.7

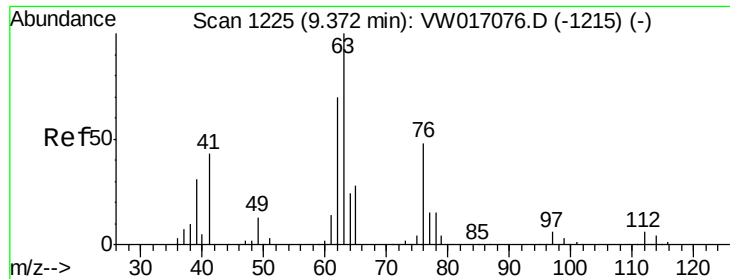


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 25.974 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW017084.D

Acq: 04 Nov 2020 20:47

Instrument :

MSVOA_W

ClientSampleId :

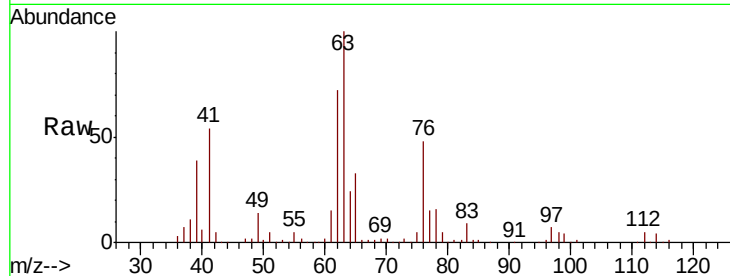
VSTD02513

Tot Ion: 63 Resp: 146419

Ion Ratio Lower Upper

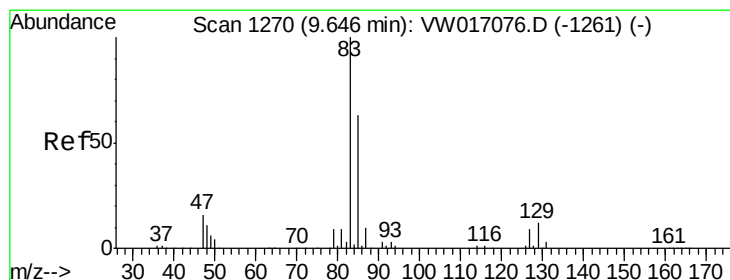
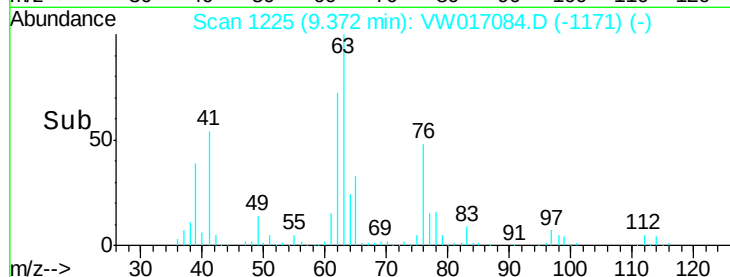
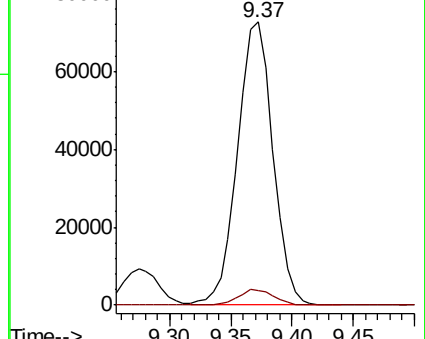
63 100

112 5.5 4.2 6.2



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 26.656 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW017084.D

Acq: 04 Nov 2020 20:47

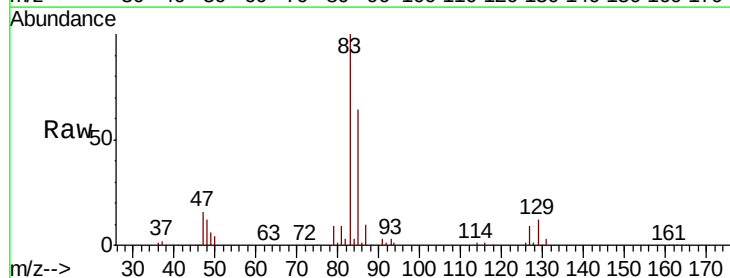
Tgt Ion: 83 Resp: 207818

Ion Ratio Lower Upper

83 100

85 63.5 44.4 82.4

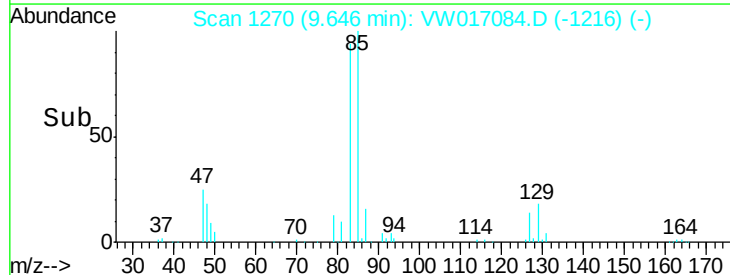
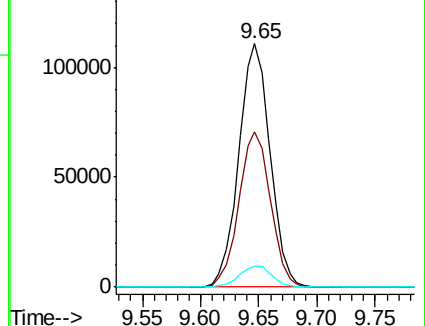
127 8.8 7.3 10.9

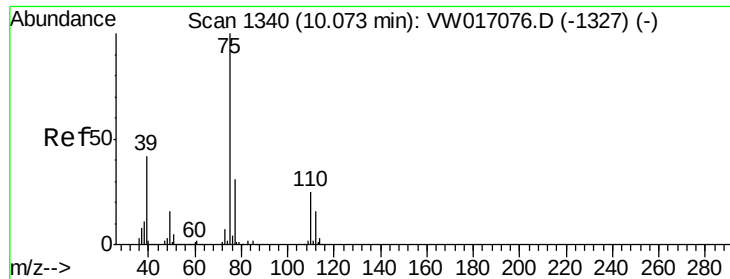


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 26.639 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW017084.D

Acq: 04 Nov 2020 20:47

Instrument :

MSVOA_W

ClientSampled :

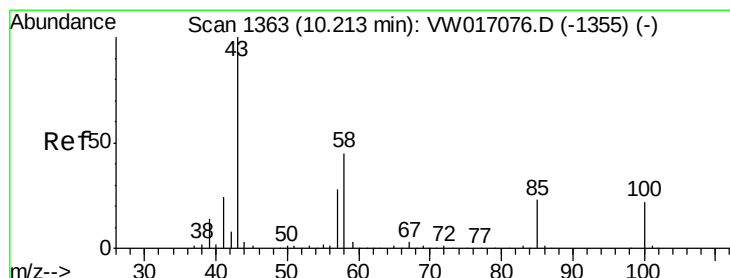
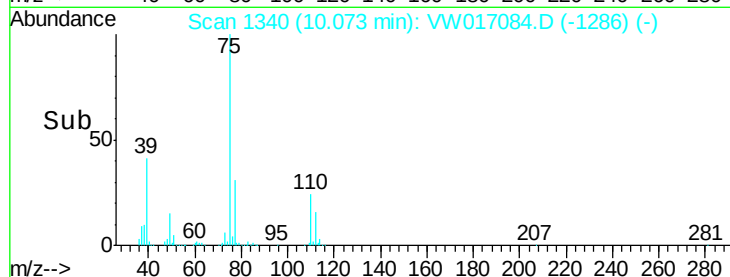
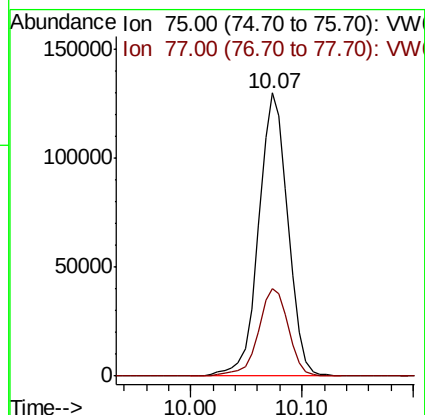
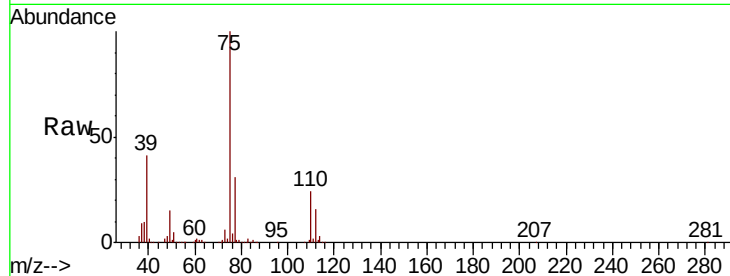
VSTD02513

Tot Ion: 75 Resp: 237849

Ion Ratio Lower Upper

75 100

77 31.0 22.0 41.0



#43

4-Methyl-2-pentanone

Concen: 52.059 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW017084.D

Acq: 04 Nov 2020 20:47

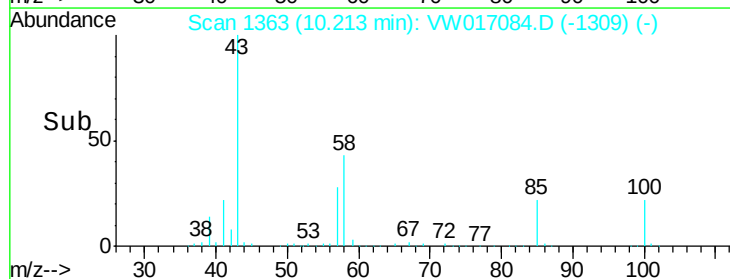
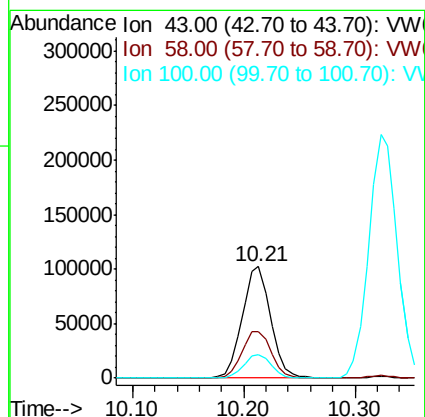
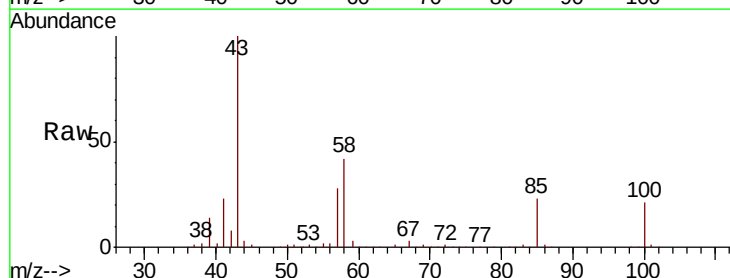
Tgt Ion: 43 Resp: 181053

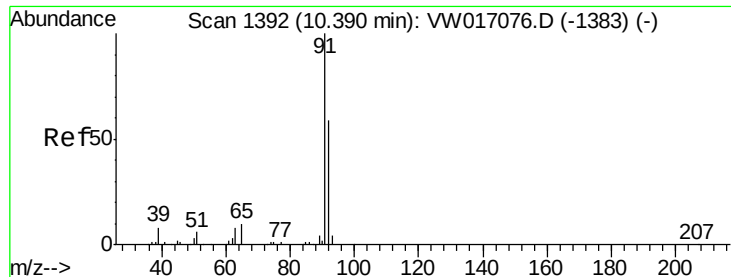
Ion Ratio Lower Upper

43 100

58 43.6 35.0 52.6

100 20.7 16.6 24.8





#44

Toluene

Concen: 25.912 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017084.D

Acq: 04 Nov 2020 20:47

Instrument :

MSVOA_W

ClientSampleId :

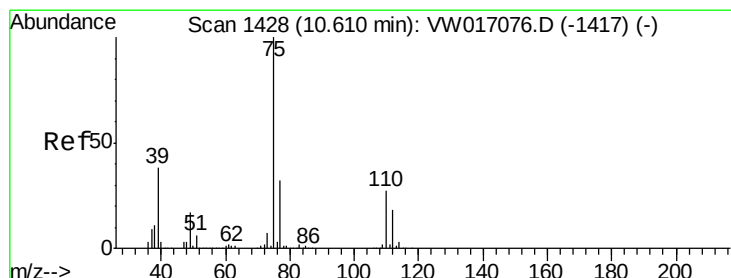
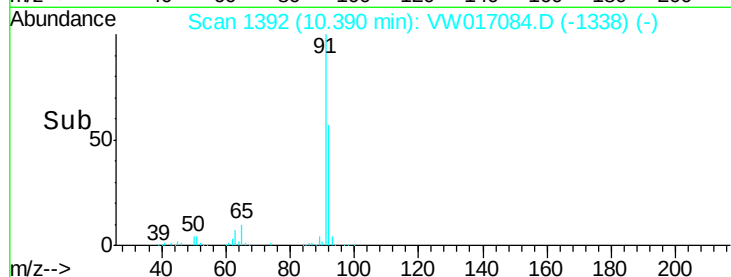
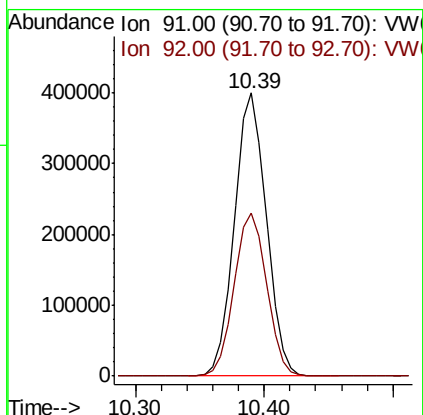
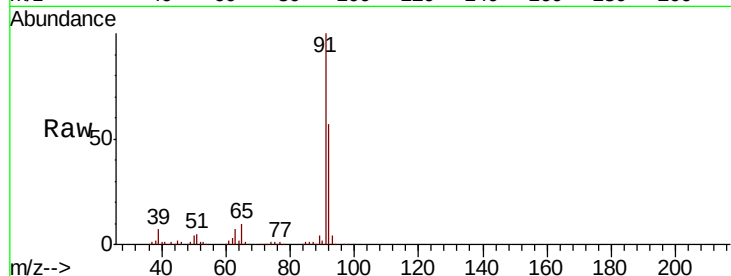
VSTD02513

Tot Ion: 91 Resp: 687788

Ion Ratio Lower Upper

91 100

92 57.4 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 26.967 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017084.D

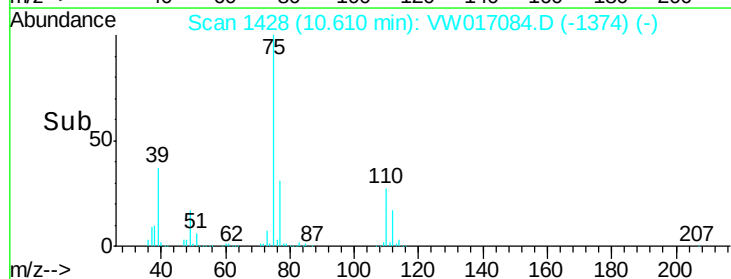
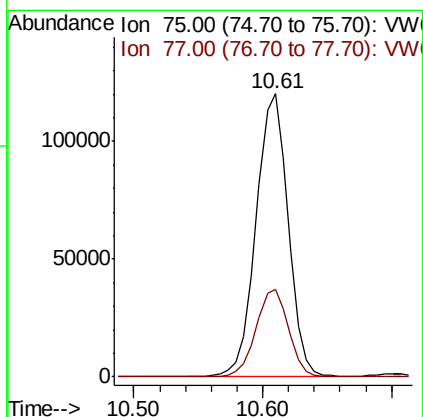
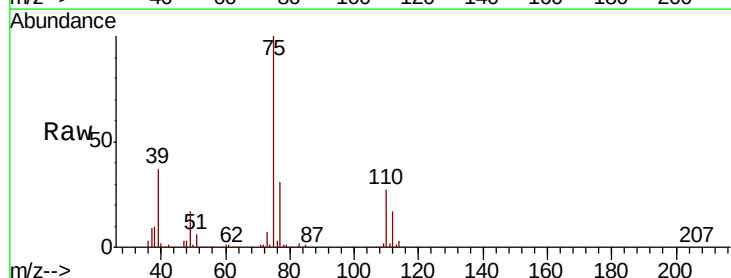
Acq: 04 Nov 2020 20:47

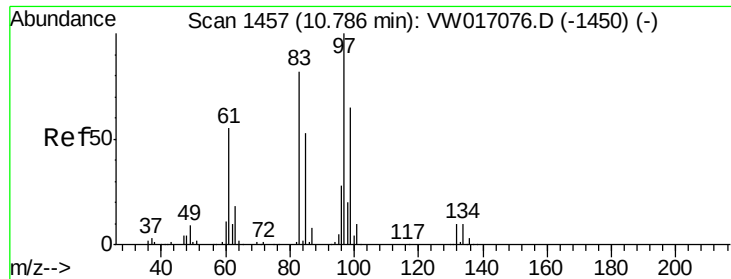
Tgt Ion: 75 Resp: 206780

Ion Ratio Lower Upper

75 100

77 31.0 22.1 41.1

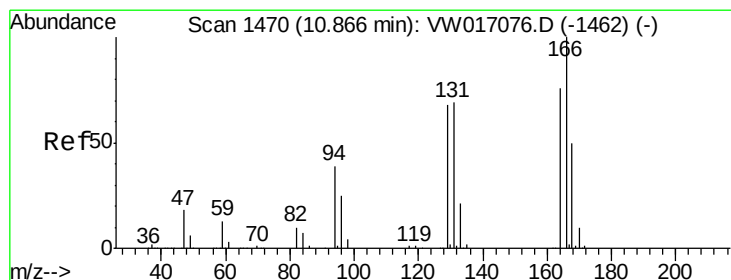
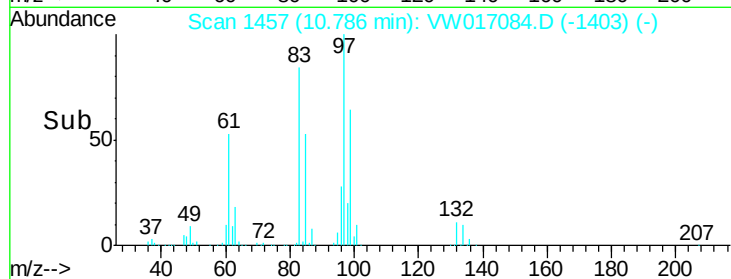
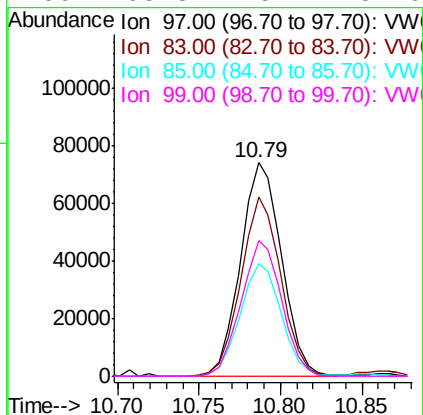
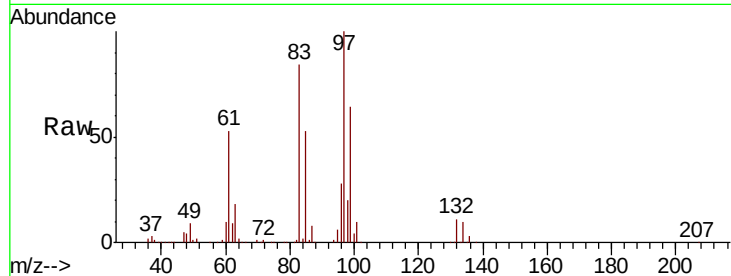




#46
 1,1,2-Trichloroethane
 Concen: 26.637 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW017084.D
 Acq: 04 Nov 2020 20:47

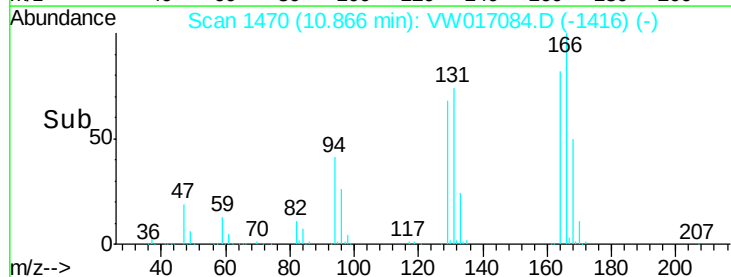
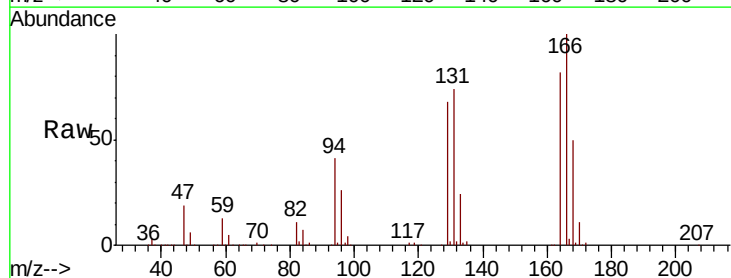
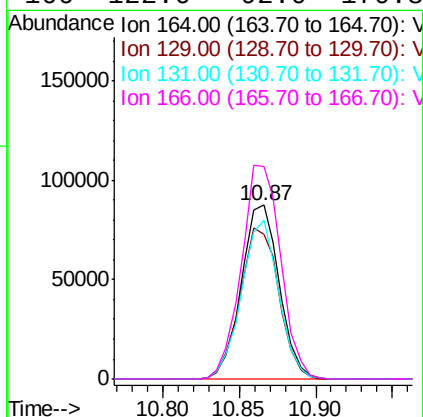
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

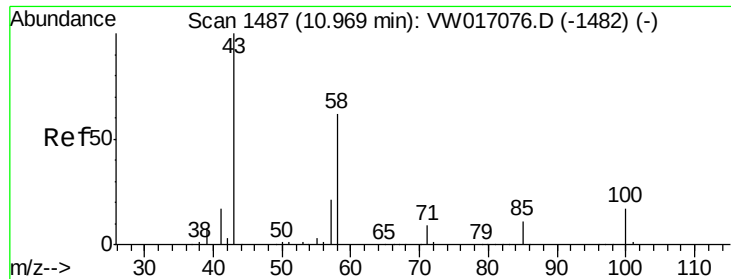
Tot Ion	Ratio	Lower	Upper
97	100		
83	84.0	57.3	106.5
85	52.5	37.2	69.0
99	63.8	45.7	84.9



#47
 Tetrachloroethene
 Concen: 24.758 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW017084.D
 Acq: 04 Nov 2020 20:47

Tgt Ion	Ratio	Lower	Upper
164	100		
129	83.2	62.9	116.7
131	91.1	63.3	117.5
166	122.6	92.0	170.8





#49

2-Hexanone

Concen: 57.189 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017084.D

Acq: 04 Nov 2020 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

Tot Ion: 43 Resp: 119908

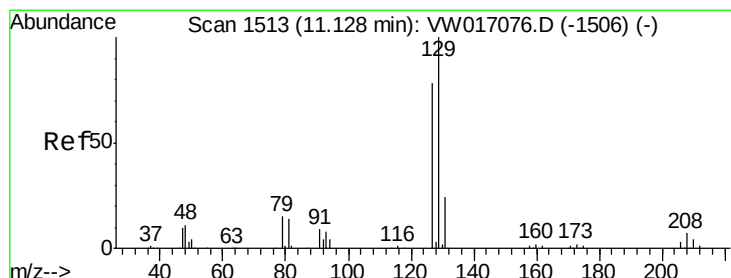
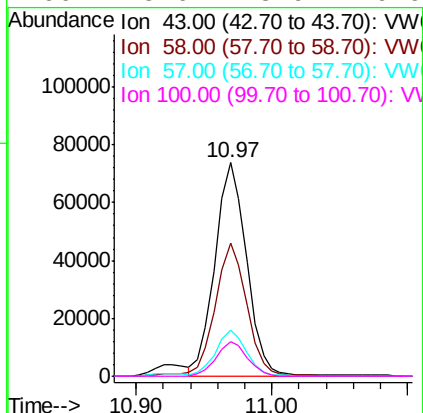
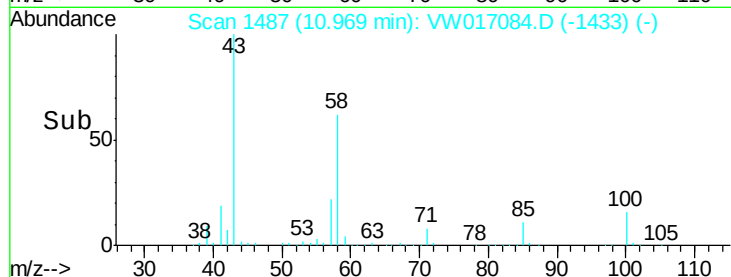
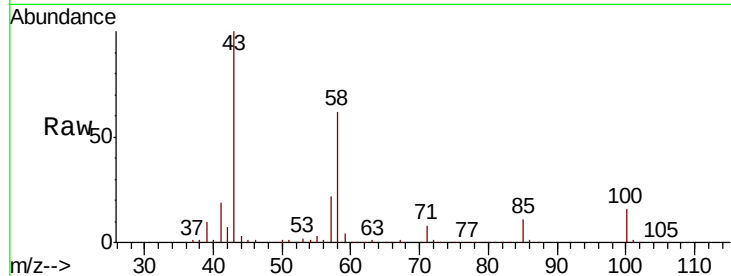
Ion Ratio Lower Upper

43 100

58 61.7 50.6 75.8

57 20.8 17.8 26.6

100 15.6 13.9 20.9



#50

Dibromochloromethane

Concen: 26.475 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW017084.D

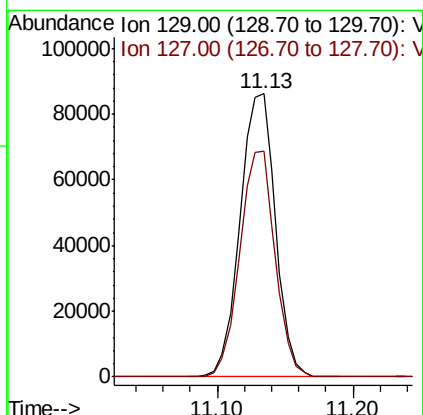
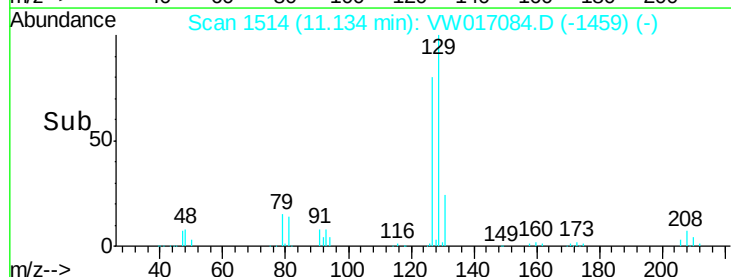
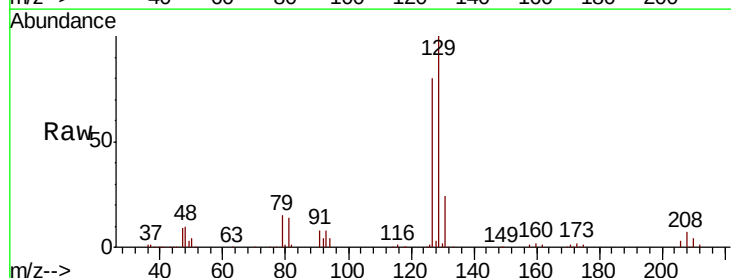
Acq: 04 Nov 2020 20:47

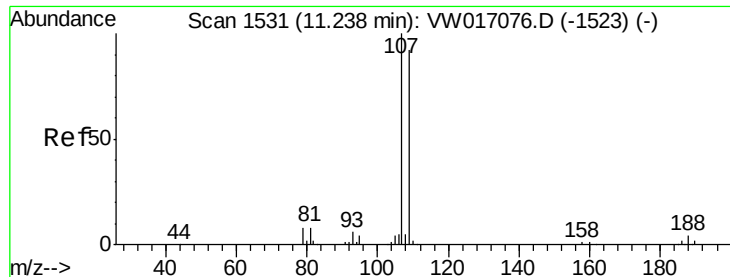
Tgt Ion: 129 Resp: 156765

Ion Ratio Lower Upper

129 100

127 79.6 54.3 100.9

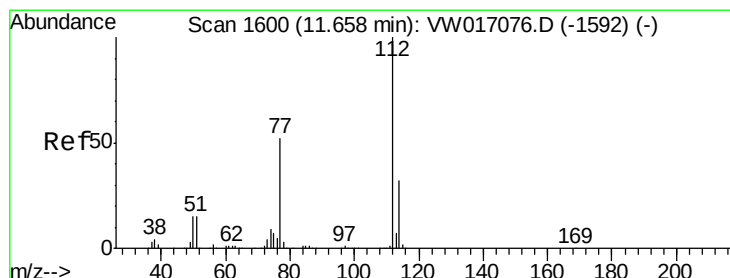
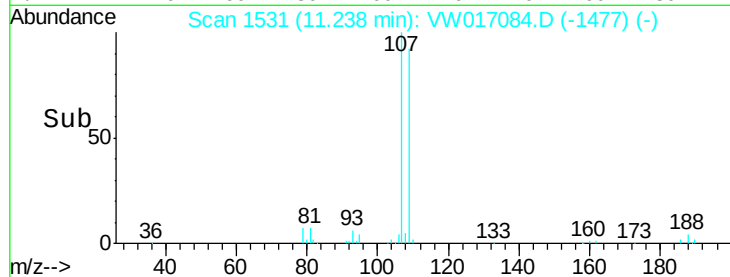
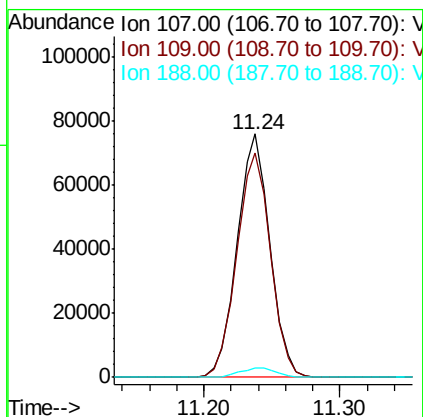
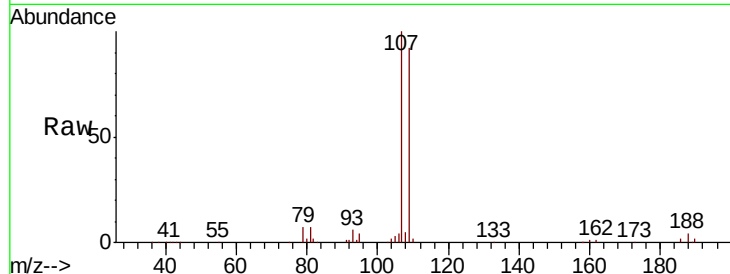




#51
 1,2-Dibromoethane
 Concen: 26.896 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW017084.D
 Acq: 04 Nov 2020 20:47

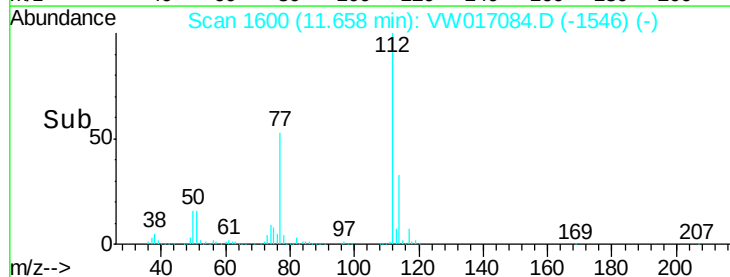
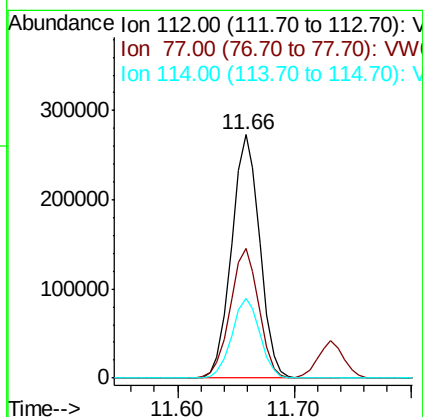
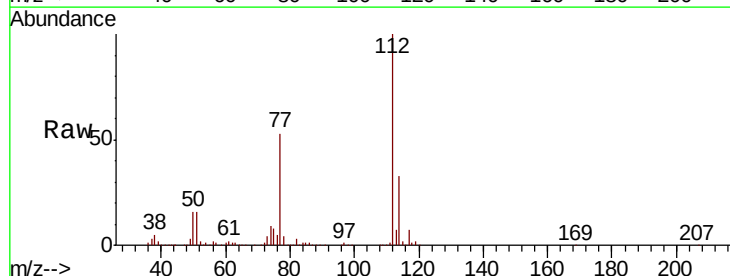
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

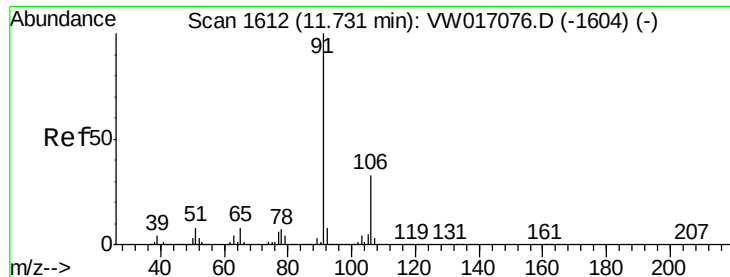
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	64.3	119.5
188	4.1	3.3	4.9



#52
 Chlorobenzene
 Concen: 25.526 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW017084.D
 Acq: 04 Nov 2020 20:47

Tgt Ion	Ratio	Lower	Upper
112	100		
77	53.0	41.7	62.5
114	32.6	22.3	41.3

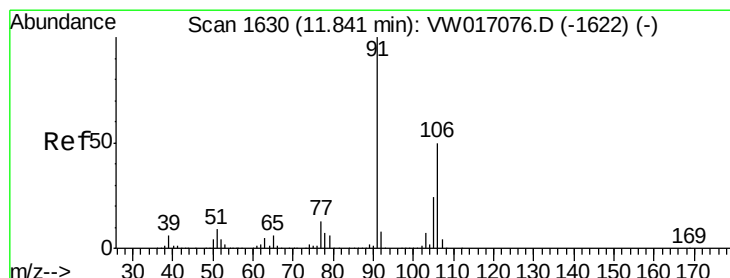
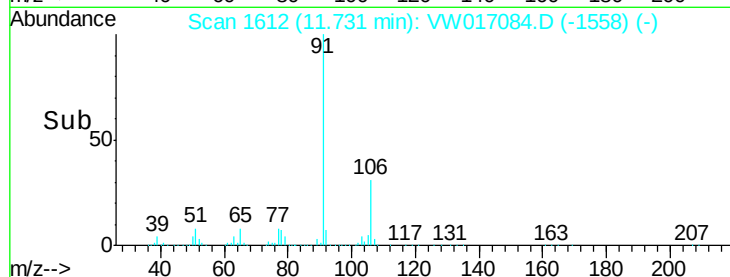
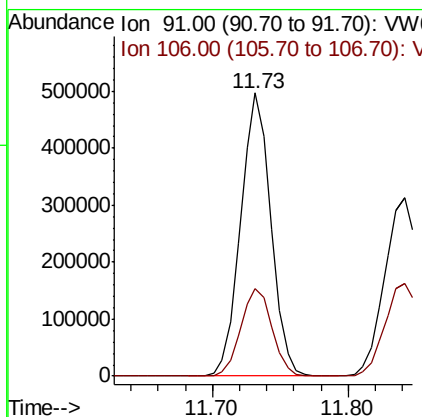
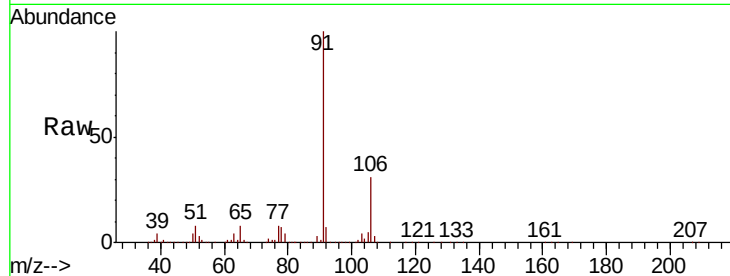




#53
Ethylbenzene
Concen: 25.957 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017084.D
Acq: 04 Nov 2020 20:47

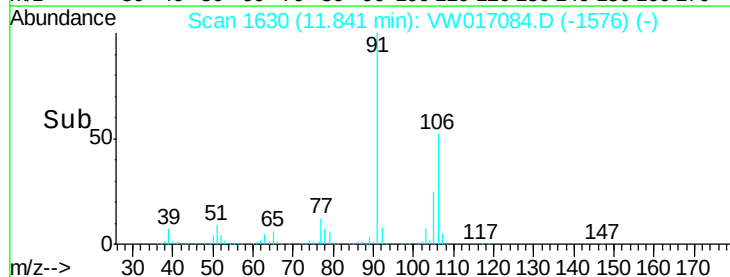
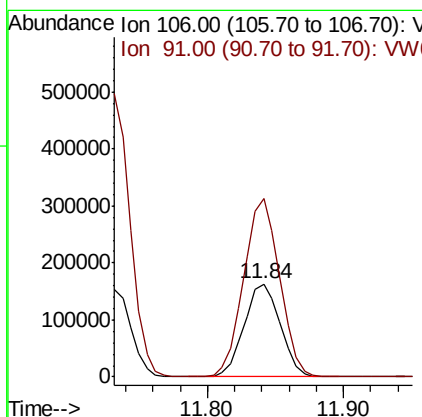
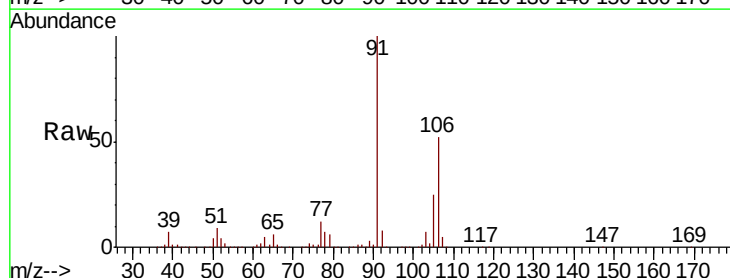
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

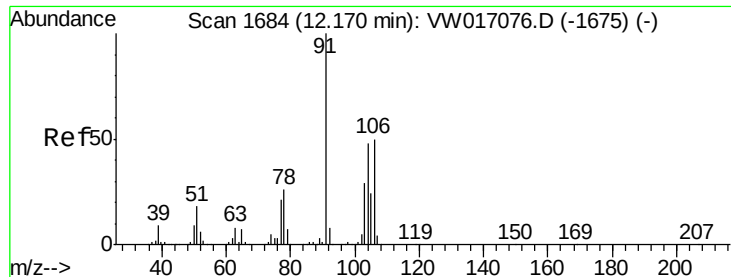
Tot Ion: 91 Resp: 769564
Ion Ratio Lower Upper
91 100
106 30.8 22.9 42.5



#54
m,p-Xylene
Concen: 26.205 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW017084.D
Acq: 04 Nov 2020 20:47

Tgt Ion: 106 Resp: 303910
Ion Ratio Lower Upper
106 100
91 191.0 138.7 257.5





#55

o-xylene

Concen: 26.226 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW017084.D

Acq: 04 Nov 2020 20:47

Instrument :

MSVOA_W

ClientSampled :

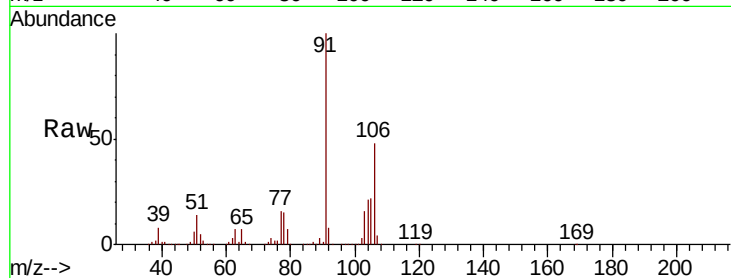
VSTD02513

Tot Ion:106 Resp: 288696

Ion Ratio Lower Upper

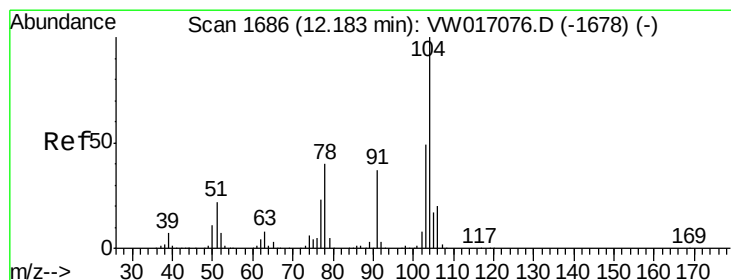
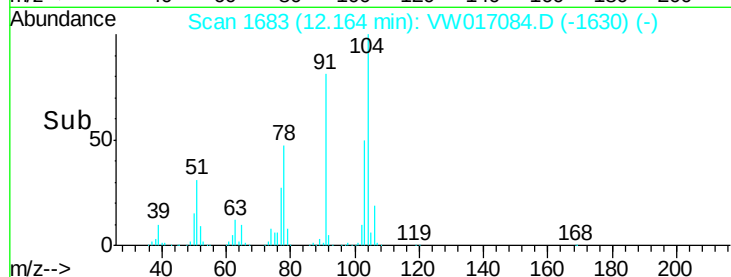
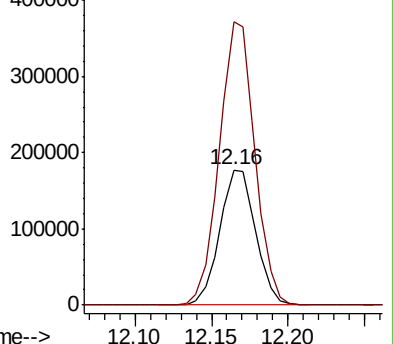
106 100

91 209.4 140.8 261.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.081 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017084.D

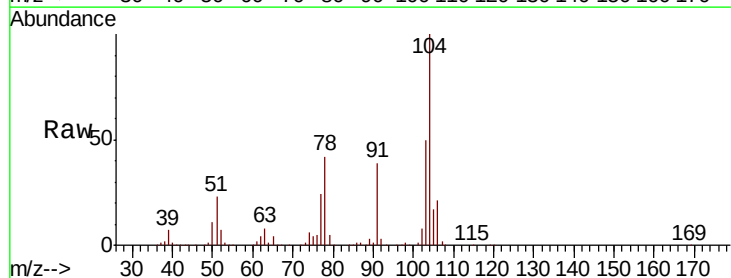
Acq: 04 Nov 2020 20:47

Tgt Ion:104 Resp: 500513

Ion Ratio Lower Upper

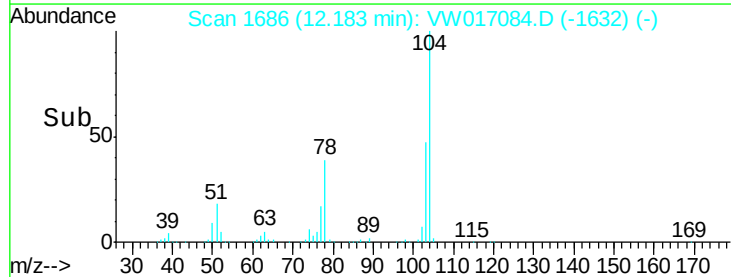
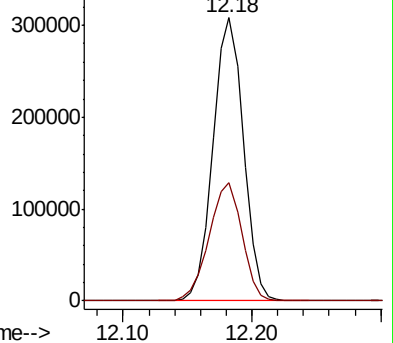
104 100

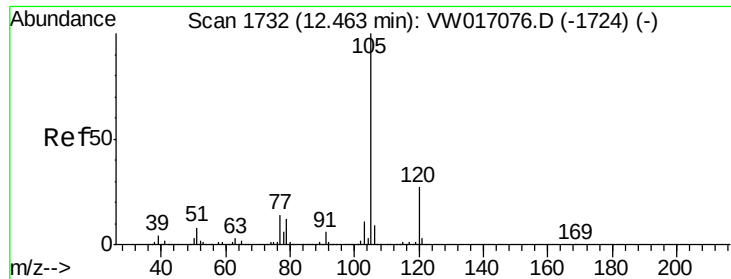
78 41.7 28.2 52.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.735 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017084.D

Acq: 04 Nov 2020 20:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

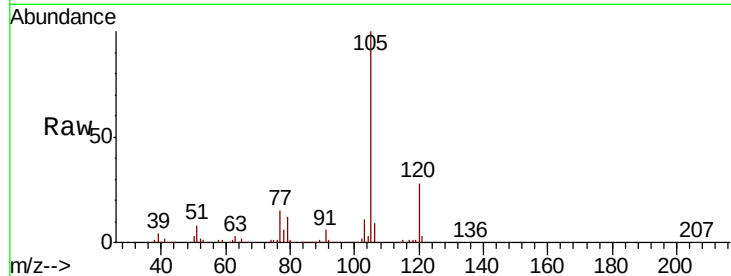
Tot Ion:105 Resp: 768844

Ion Ratio Lower Upper

105 100

120 27.7 21.8 32.6

77 14.7 11.4 17.0

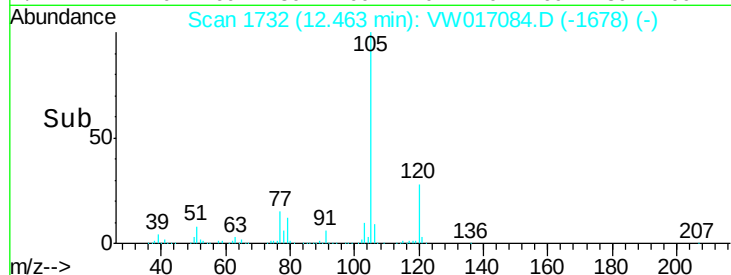


Abundance Ion 105.00 (104.70 to 105.70): V

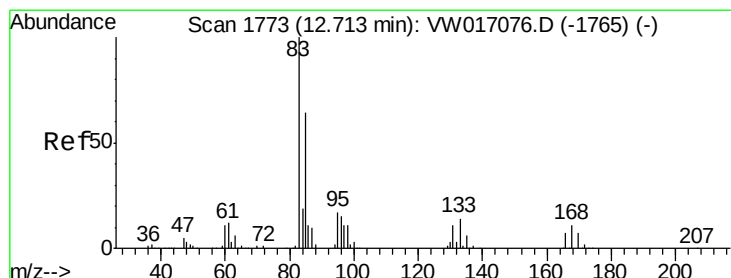
Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

Time-->



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 26.879 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017084.D

Acq: 04 Nov 2020 20:47

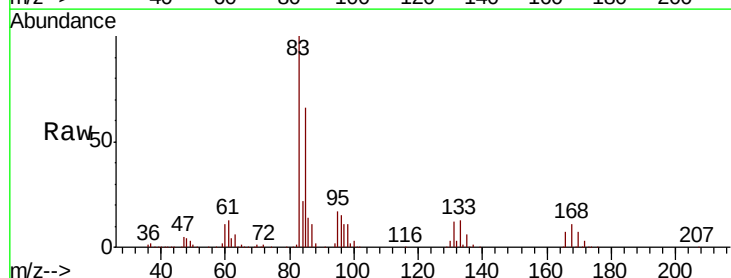
Tgt Ion: 83 Resp: 150912

Ion Ratio Lower Upper

83 100

85 65.5 44.9 83.5

131 11.6 8.8 13.2

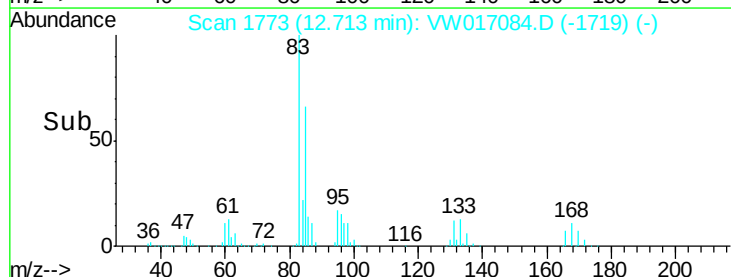


Abundance Ion 83.00 (82.70 to 83.70): VW

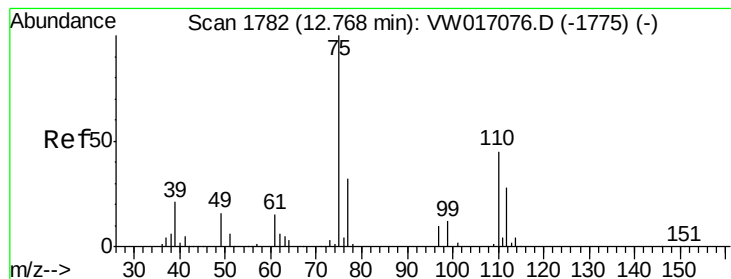
Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

Time-->



Time-->



#59

1,2,3-Trichloropropane

Concen: 26.855 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017084.D

Acq: 04 Nov 2020 20:47

Instrument :

MSVOA_W

ClientSampleId :

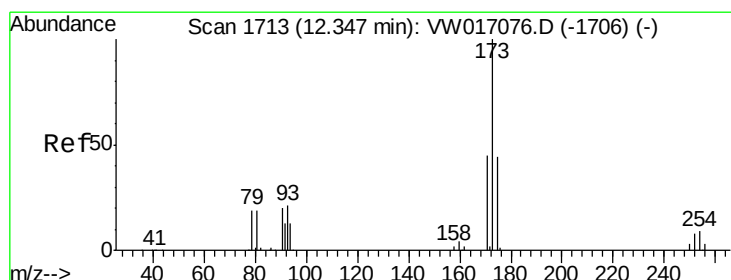
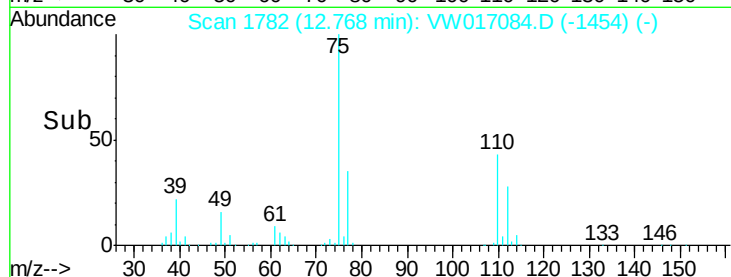
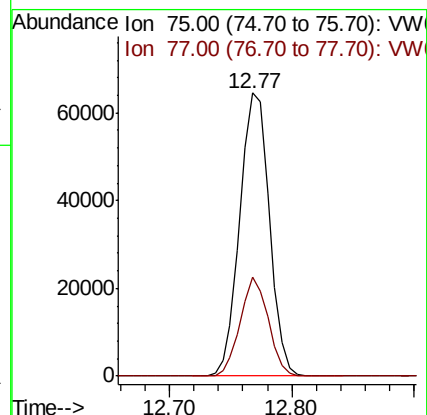
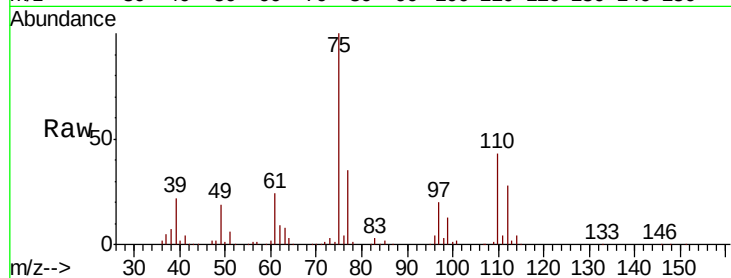
VSTD02513

Tot Ion: 75 Resp: 108380

Ion Ratio Lower Upper

75 100

77 33.1 26.4 39.6



#62

Bromoform

Concen: 26.700 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW017084.D

Acq: 04 Nov 2020 20:47

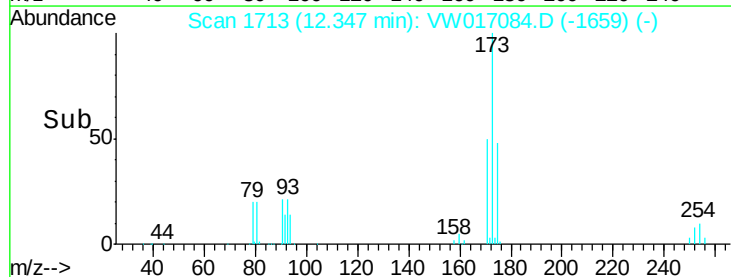
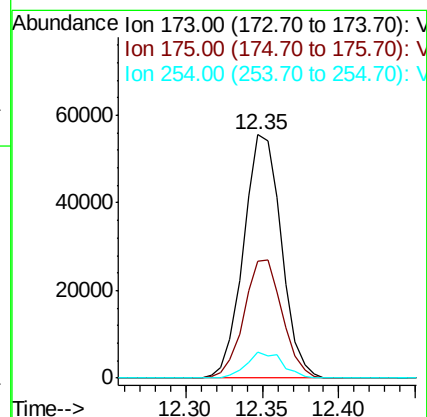
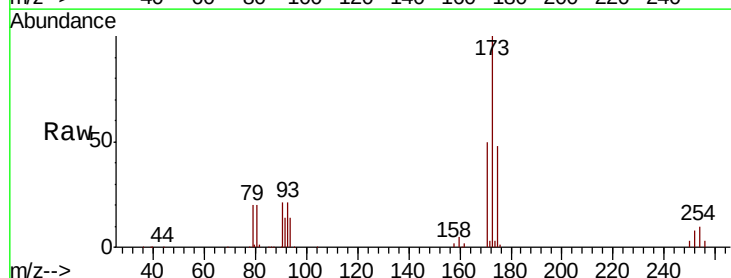
Tgt Ion: 173 Resp: 95355

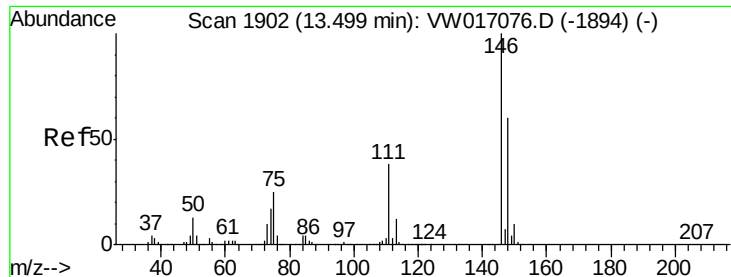
Ion Ratio Lower Upper

173 100

175 49.2 38.3 57.5

254 10.2 8.1 12.1

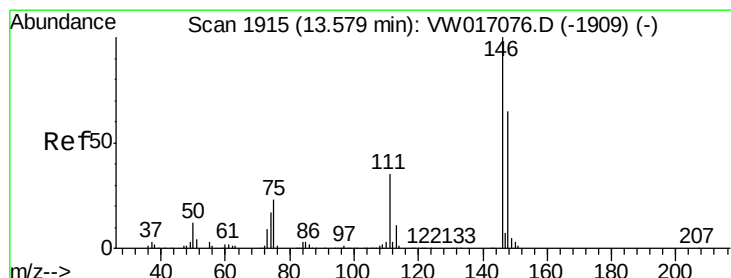
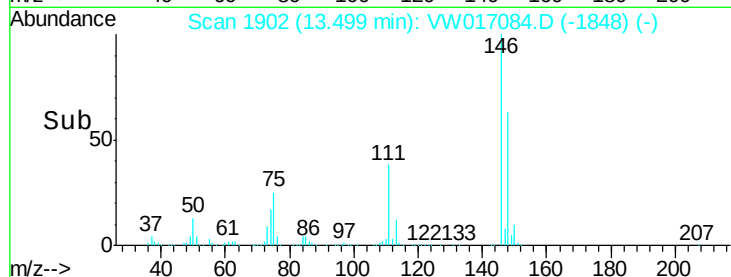
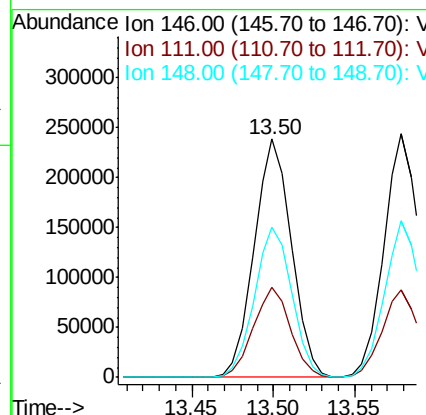
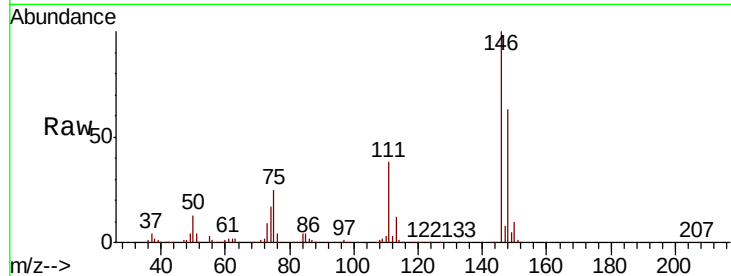




#63
 1,3-Dichlorobenzene
 Concen: 26.160 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017084.D
 Acq: 04 Nov 2020 20:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Tot Ion:146 Resp: 378602
 Ion Ratio Lower Upper
 146 100
 111 37.8 26.4 49.0
 148 63.1 42.1 78.1



#64
 1,4-Dichlorobenzene
 Concen: 25.803 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017084.D
 Acq: 04 Nov 2020 20:47

Tgt Ion:146 Resp: 375176
 Ion Ratio Lower Upper
 146 100
 111 35.8 24.5 45.5
 148 64.4 45.5 84.5

