

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010521\
 Data File : VW017793.D
 Acq On : 05 Jan 2021 14:28
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025111

Quant Time: Jan 06 00:37:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM123020SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jan 06 00:35:50 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	254521	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	236078	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	125687	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	101366	23.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.72%
7) Chloroethane-d5	2.89	69	85123	22.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.56%
11) 1,1-Dichloroethene-d2	4.03	63	181508	24.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.72%
21) 2-Butanone-d5	7.07	46	56105	51.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.68%
24) Chloroform-d	7.65	84	180534	25.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.08%
26) 1,2-Dichloroethane-d4	8.31	65	107462	25.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.76%
32) Benzene-d6	8.27	84	342317	25.02	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.08%
36) 1,2-Dichloropropane-d6	9.27	67	100768	25.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.00%
41) Toluene-d8	10.32	98	333546	25.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.68%
43) trans-1,3-Dichloropropene-	10.58	79	47851	25.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.80%
47) 2-Hexanone-d5	10.93	63	39956	54.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.30%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	102353	27.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.12%
66) 1,2-Dichlorobenzene-d4	13.85	152	115623	24.80	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	65701	21.421	ug/L	90
3) Chloromethane	2.21	50	62398	23.388	ug/L	96
5) Vinyl chloride	2.37	62	116901	26.574	ug/L	97
6) Bromomethane	2.78	94	87794	22.554	ug/L	98
8) Chloroethane	2.93	64	76392	26.260	ug/L	99
9) Trichlorofluoromethane	3.26	101	83766	28.002	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	93090	27.151	ug/L	99
12) 1,1-Dichloroethene	4.05	96	87810	27.006	ug/L	90
13) Acetone	4.12	43	40420	54.491	ug/L	93
14) Carbon disulfide	4.39	76	261136	28.015	ug/L	100
15) Methyl Acetate	4.67	43	48964	30.557	ug/L	99
16) Methylene chloride	4.92	84	94347	22.994	ug/L	99
17) trans-1,2-Dichloroethene	5.43	96	94552	27.137	ug/L	98
18) Methyl tert-butyl Ether	5.43	73	128761	29.008	ug/L	100
19) 1,1-Dichloroethane	6.22	63	169787	27.505	ug/L	99
20) cis-1,2-Dichloroethene	7.17	96	103059	27.642	ug/L	100
22) 2-Butanone	7.17	43	64839	52.604	ug/L	99

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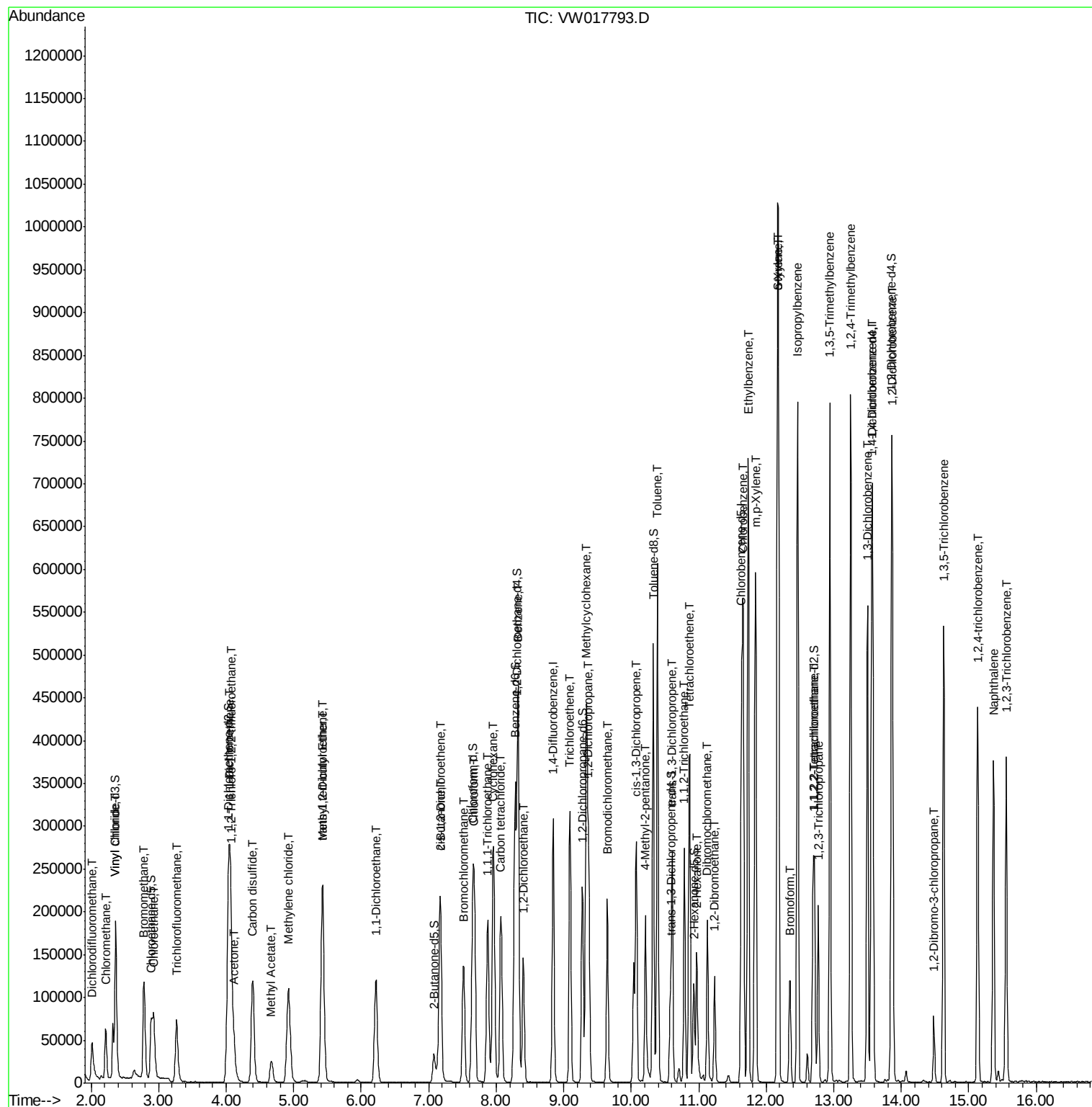
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	46435	27.216	ug/L	96
25) Chloroform	7.68	83	179381	27.396	ug/L	100
27) 1,2-Dichloroethane	8.40	62	130255	27.857	ug/L	99
29) Cyclohexane	7.96	56	157138	28.361	ug/L	100
30) 1,1,1-Trichloroethane	7.87	97	150525	27.730	ug/L	99
31) Carbon tetrachloride	8.07	117	140150	27.487	ug/L	100
33) Benzene	8.32	78	390156	28.301	ug/L	100
34) Trichloroethene	9.09	95	104820	27.840	ug/L	93
35) Methylcyclohexane	9.34	83	184441	28.609	ug/L	99
37) 1,2-Dichloropropane	9.37	63	94381	28.285	ug/L	100
38) Bromodichloromethane	9.65	83	136069	28.871	ug/L	95
39) cis-1,3-Dichloropropene	10.07	75	156504	29.377	ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	136324	57.558	ug/L	99
42) Toluene	10.39	91	437081	27.993	ug/L	98
44) trans-1,3-Dichloropropene	10.60	75	142490	29.332	ug/L	98
45) 1,1,2-Trichloroethane	10.79	97	80248	28.652	ug/L	99
46) Tetrachloroethene	10.87	164	79448	27.537	ug/L	91
48) 2-Hexanone	10.97	43	96950	58.429	ug/L	95
49) Dibromochloromethane	11.13	129	93852	29.200	ug/L	98
50) 1,2-Dibromoethane	11.24	107	79819	28.843	ug/L	96
51) Chlorobenzene	11.66	112	274225	27.679	ug/L	98
52) Ethylbenzene	11.73	91	501213	28.108	ug/L	99
53) m,p-Xylene	11.84	106	190762	27.651	ug/L	98
54) o-Xylene	12.16	106	180838	27.773	ug/L	98
55) Styrene	12.18	104	318066	28.550	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.71	83	107356	29.480	ug/L	99
59) Bromoform	12.35	173	51709	27.485	ug/L	97
60) Isopropylbenzene	12.46	105	504029	27.476	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	79314	28.721	ug/L	98
62) 1,3,5-Trimethylbenzene	12.94	105	416411	28.534	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	425583	28.656	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	214039	27.027	ug/L	94
65) 1,4-Dichlorobenzene	13.58	146	217280	27.620	ug/L	98
67) 1,2-Dichlorobenzene	13.87	146	201028	28.288	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.48	75	18613	28.166	ug/L	96
69) 1,3,5-Trichlorobenzene	14.63	180	143897	26.856	ug/L	96
70) 1,2,4-trichlorobenzene	15.13	180	125743	27.105	ug/L	98
71) Naphthalene	15.36	128	306660	28.686	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	114070	27.975	ug/L	97

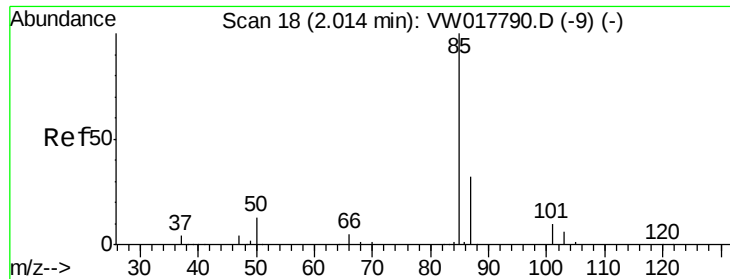
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#2

Dichlorodifluoromethane

Concen: 21.421 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017793.D

Acq: 05 Jan 2021 14:28

Instrument :

MSVOA_W

ClientSampleId :

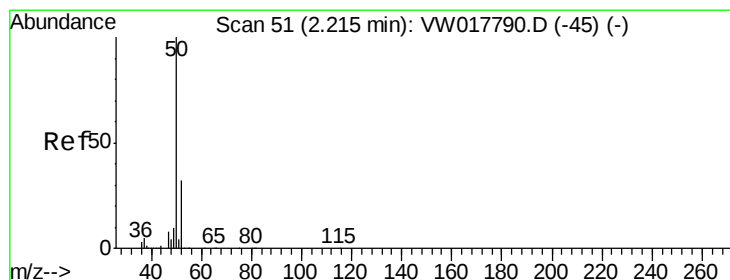
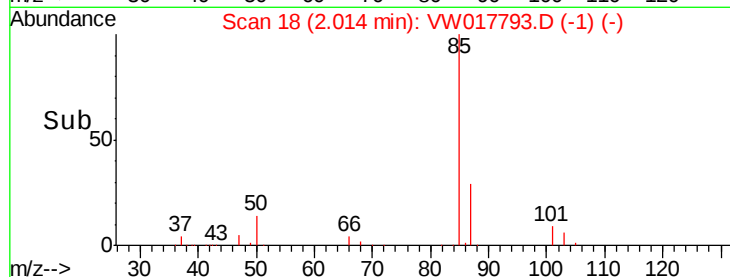
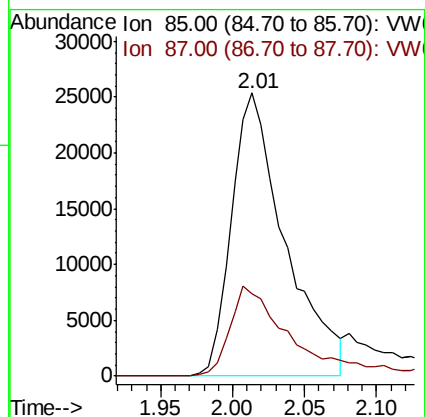
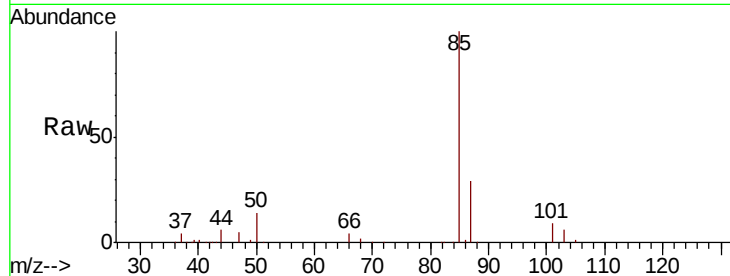
VSTD025111

Tot Ion: 85 Resp: 65701

Ion Ratio Lower Upper

85 100

87 34.6 23.3 34.9



#3

Chloromethane

Concen: 23.388 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW017793.D

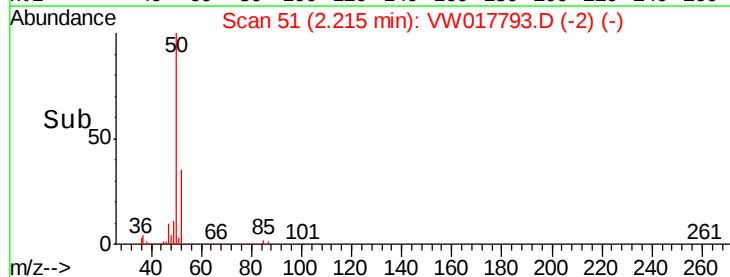
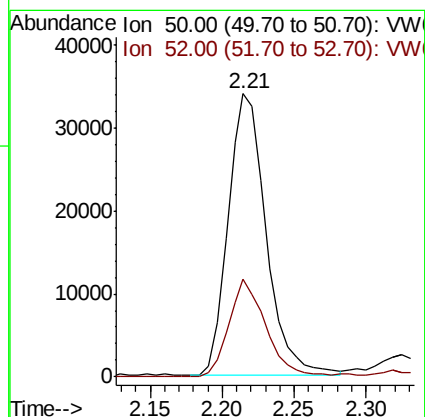
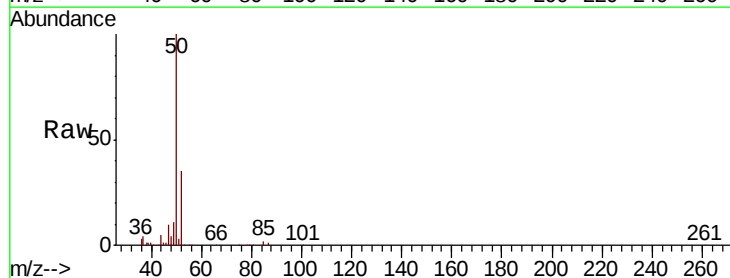
Acq: 05 Jan 2021 14:28

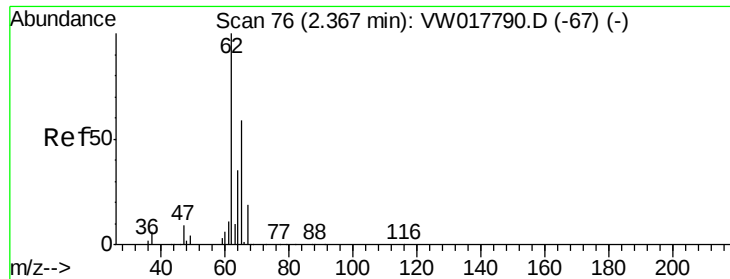
Tgt Ion: 50 Resp: 62398

Ion Ratio Lower Upper

50 100

52 34.6 22.5 41.9





#5

Vinyl chloride

Concen: 26.574 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017793.D

Acq: 05 Jan 2021 14:28

Instrument :

MSVOA_W

ClientSampleId :

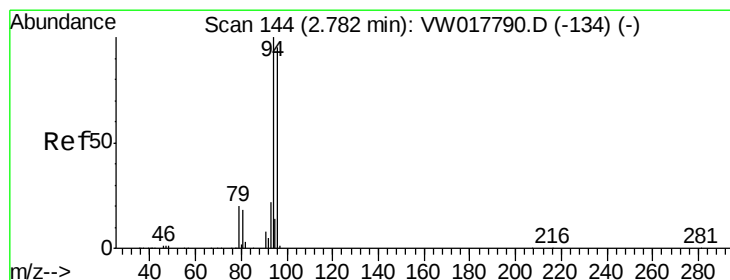
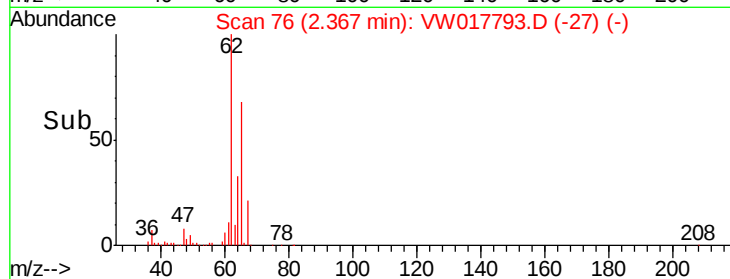
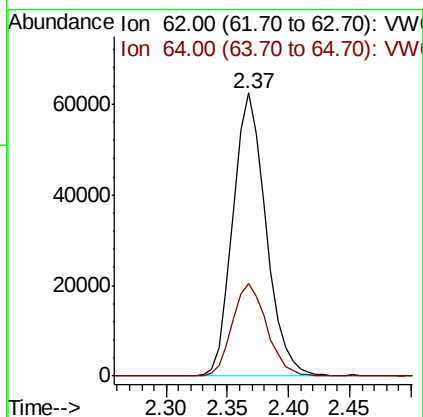
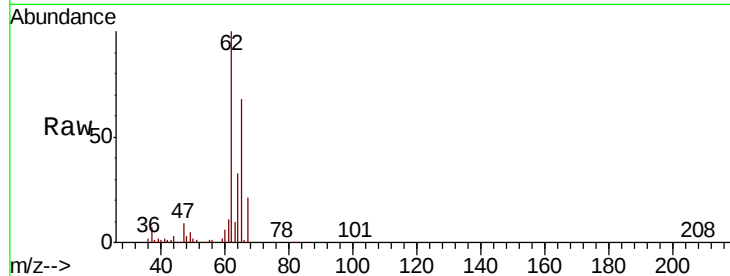
VSTD025111

Tot Ion: 62 Resp: 116901

Ion Ratio Lower Upper

62 100

64 32.6 24.2 45.0



#6

Bromomethane

Concen: 22.554 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW017793.D

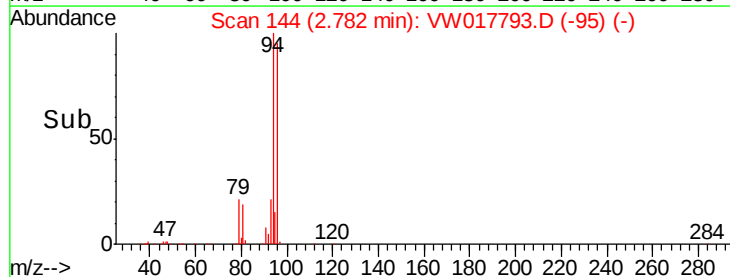
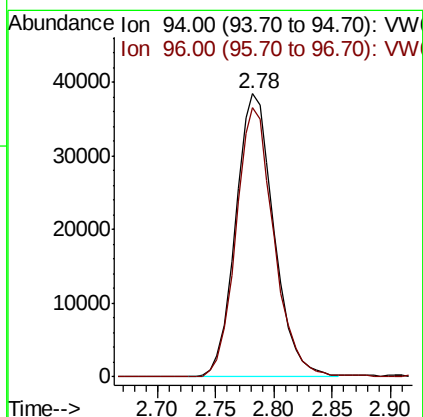
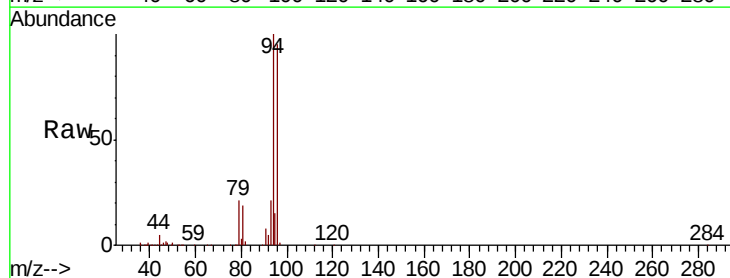
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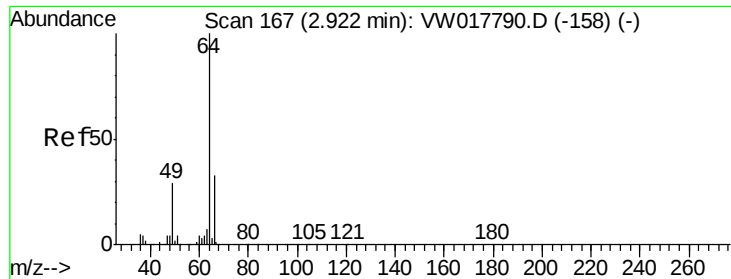
Tgt Ion: 94 Resp: 87794

Ion Ratio Lower Upper

94 100

96 95.1 65.3 121.3

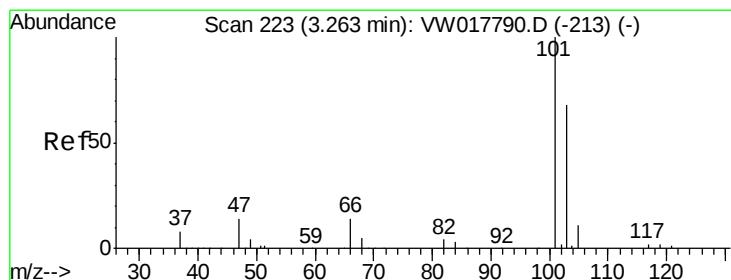
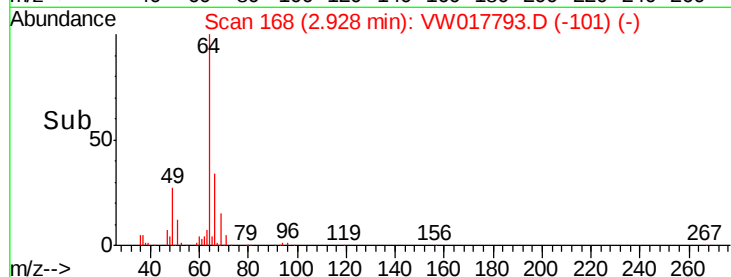
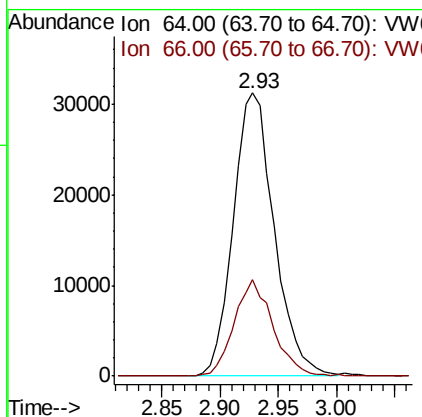
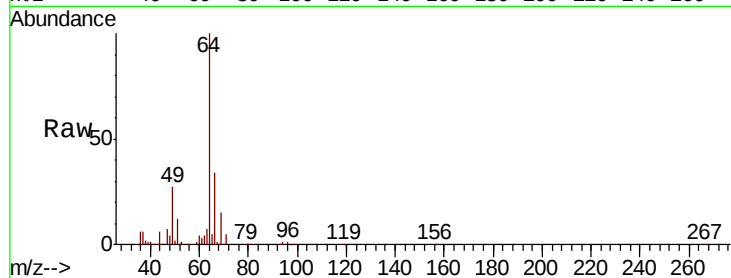




#8
Chloroethane
Concen: 26.260 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.01 min
Lab File: VW017793.D
Acq: 05 Jan 2021 14:28

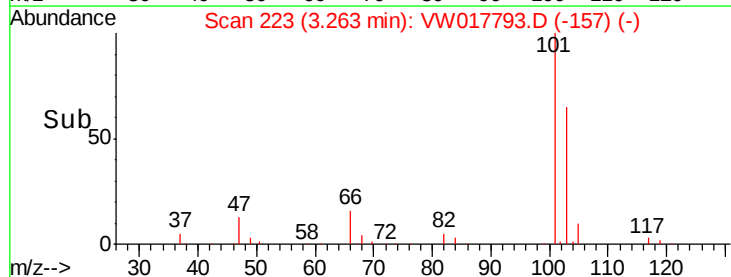
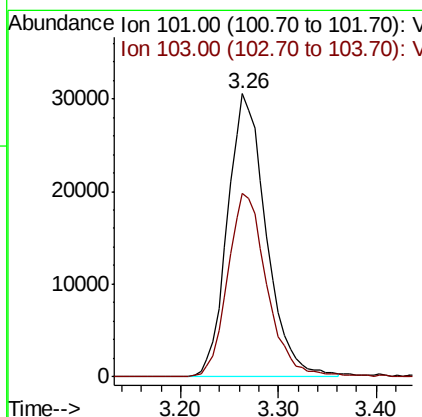
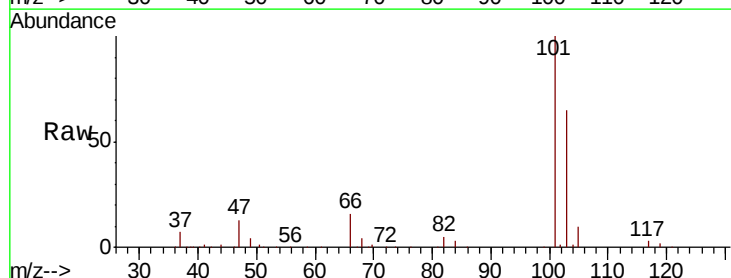
Instrument :
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VSTD025111

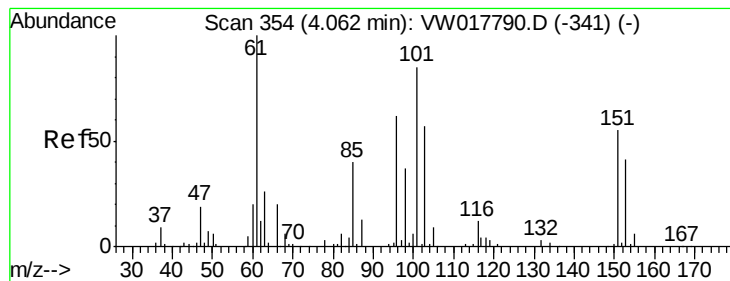
Tot Ion: 64 Resp: 76392
Ion Ratio Lower Upper
64 100
66 33.9 23.4 43.6



#9
Trichlorofluoromethane
Concen: 28.002 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW017793.D
Acq: 05 Jan 2021 14:28

Tgt Ion: 101 Resp: 83766
Ion Ratio Lower Upper
101 100
103 65.2 51.0 76.4





#10

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

Concen: 27.151 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW017793.D

Acq: 05 Jan 2021 14:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD025111

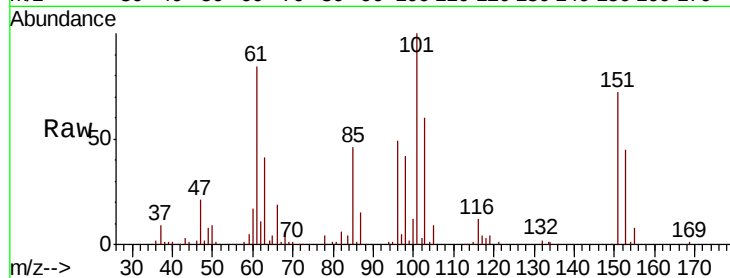
Tot Ion:101 Resp: 93090

Ion Ratio Lower Upper

101 100

85 47.3 38.2 57.2

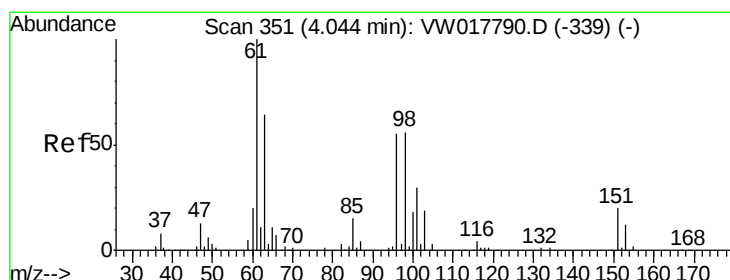
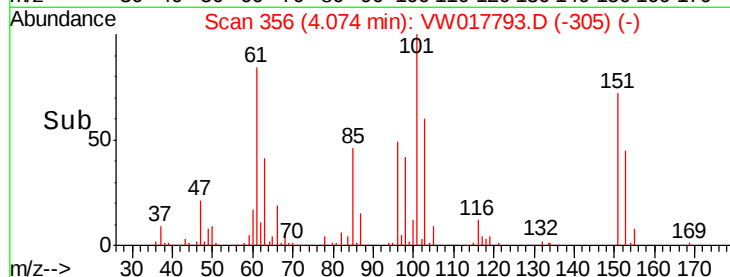
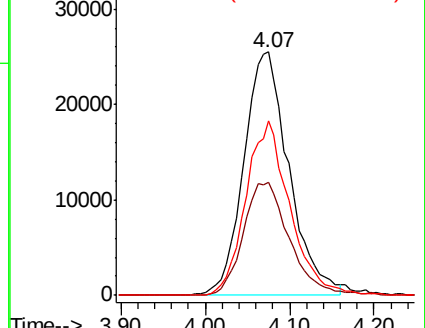
151 69.7 56.6 85.0



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: 27.006 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017793.D

Acq: 05 Jan 2021 14:28

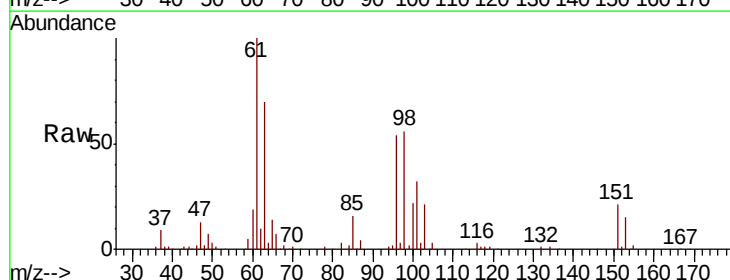
Tgt Ion: 96 Resp: 87810

Ion Ratio Lower Upper

96 100

61 184.3 118.1 219.3

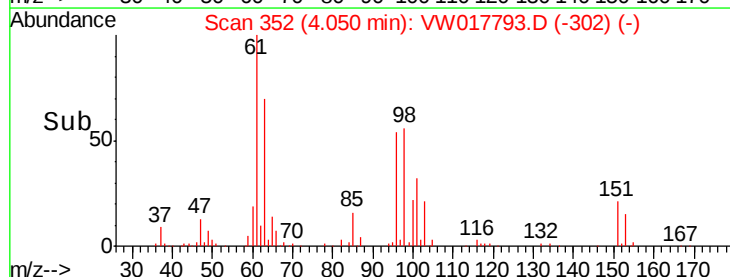
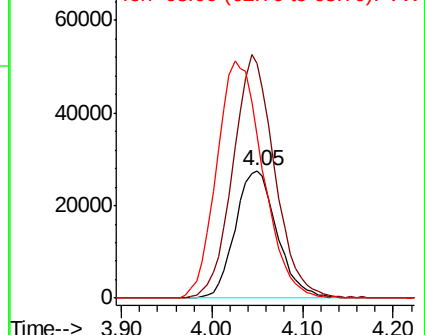
63 128.2 83.7 155.5

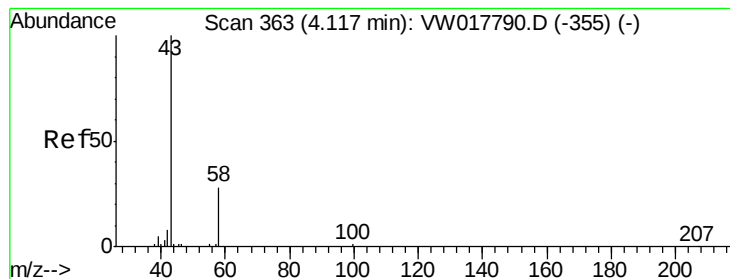


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 54.491 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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Acq: 05 Jan 2021 14:28

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ClientSampleId :

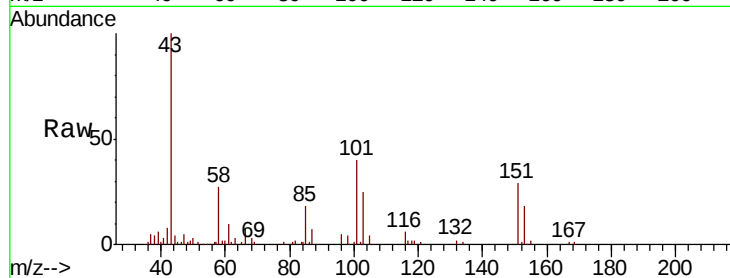
VSTD025111

Tot Ion: 43 Resp: 40420

Ion Ratio Lower Upper

43 100

58 30.4 0.0 53.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

15000

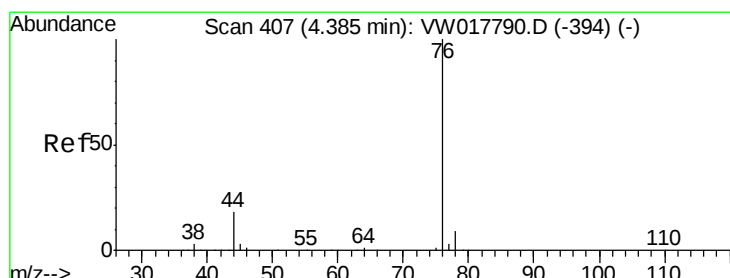
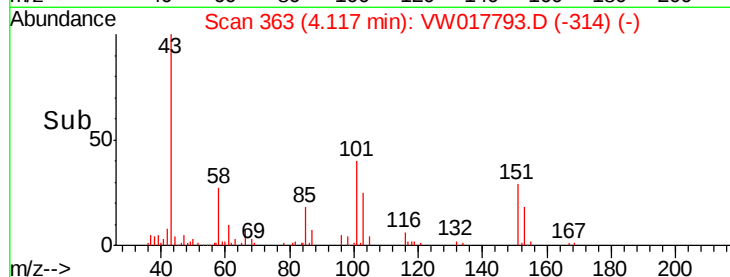
10000

5000

0

4.00 4.10 4.20

Time-->



#14

Carbon disulfide

Concen: 28.015 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017793.D

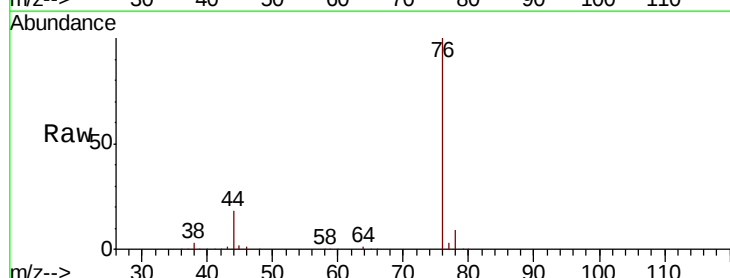
Acq: 05 Jan 2021 14:28

Tgt Ion: 76 Resp: 261136

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

100000

80000

60000

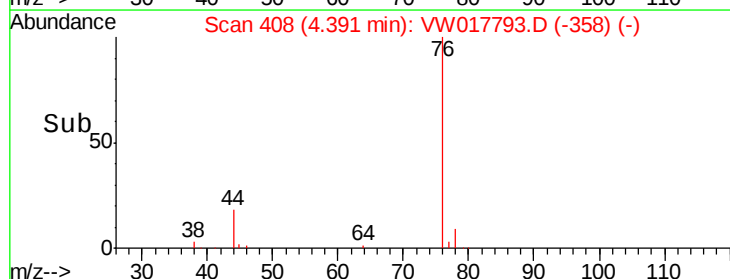
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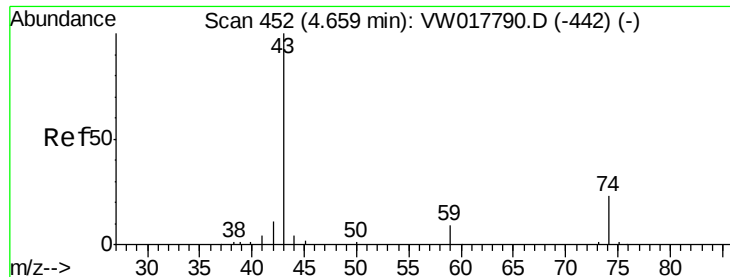
20000

0

4.30 4.40 4.50

Time-->





#15

Methyl Acetate

Concen: 30.557 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW017793.D

Acq: 05 Jan 2021 14:28

Instrument :

MSVOA_W

ClientSampleId :

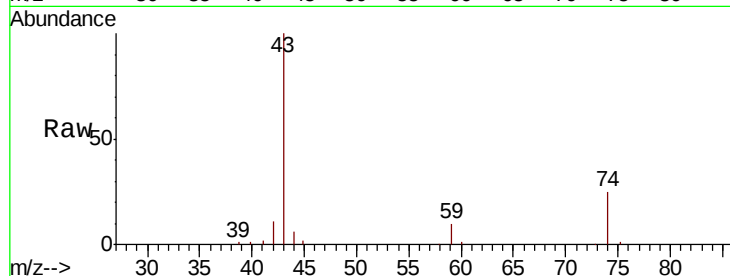
VSTD025111

Tot Ion: 43 Resp: 48964

Ion Ratio Lower Upper

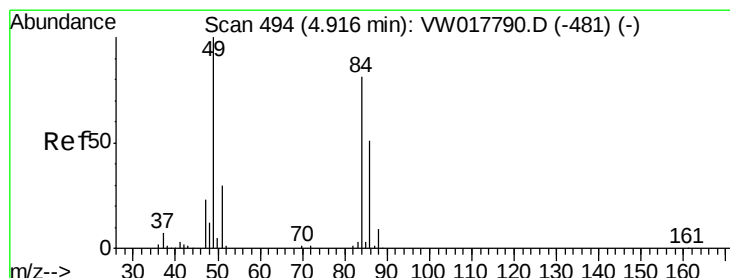
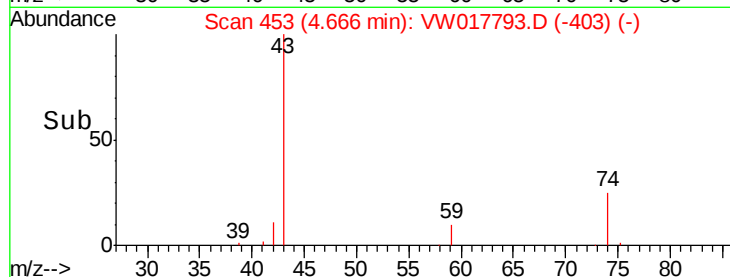
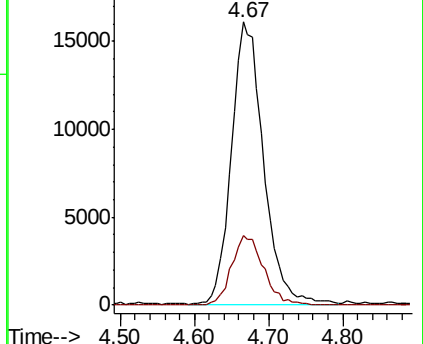
43 100

74 24.3 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 22.994 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017793.D

Acq: 05 Jan 2021 14:28

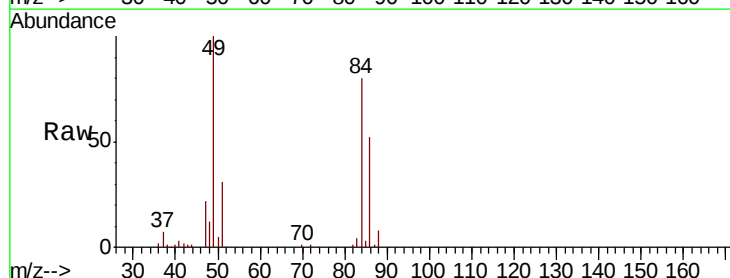
Tgt Ion: 84 Resp: 94347

Ion Ratio Lower Upper

84 100

86 64.9 45.3 84.1

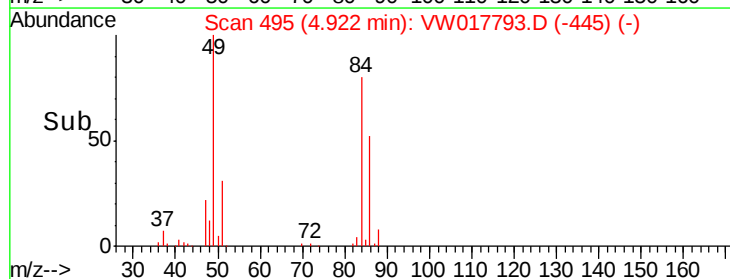
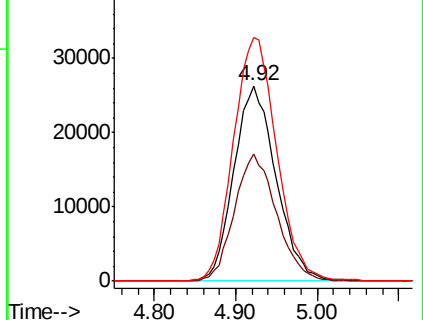
49 124.7 86.6 160.8

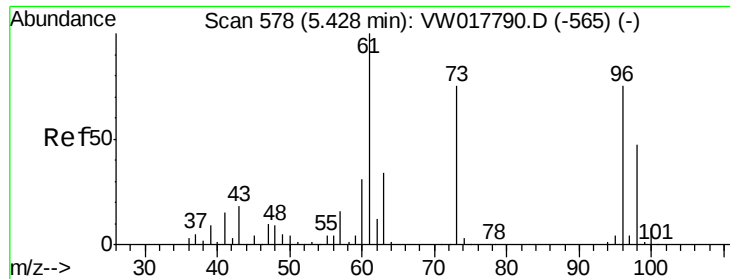


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 86.00 (85.70 to 86.70): VW

Ion 49.00 (48.70 to 49.70): VW

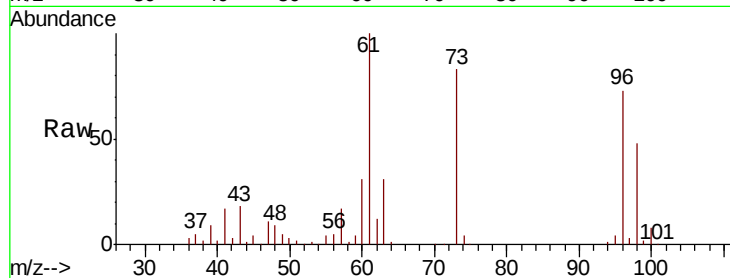




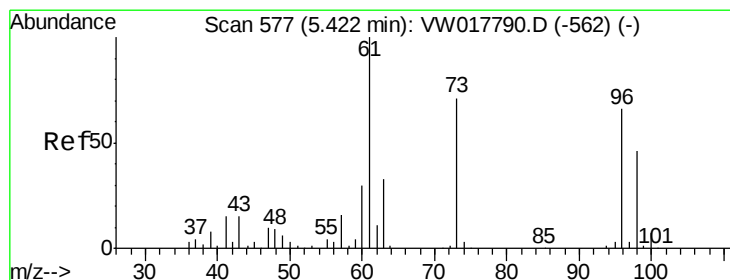
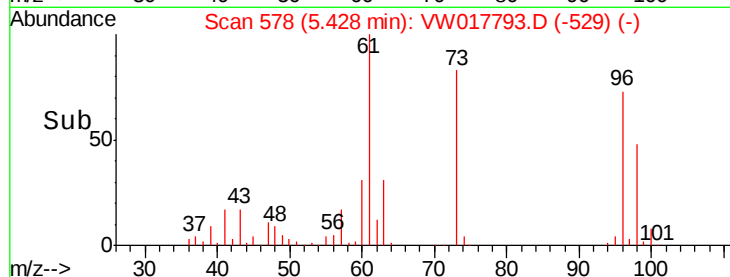
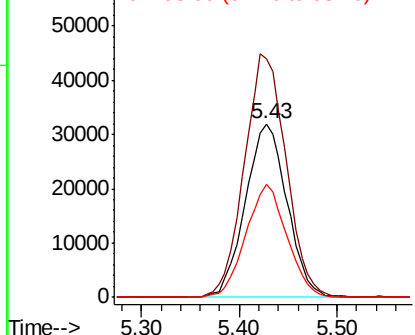
#17
trans-1,2-Dichloroethene
Concen: 27.137 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW017793.D
Acq: 05 Jan 2021 14:28

Instrument :
MSVOA_W
ClientSampleId :
VSTD025111

Tot Ion: 96 Resp: 94552
Ion Ratio Lower Upper
96 100
61 137.3 98.3 182.7
98 65.5 46.1 85.7

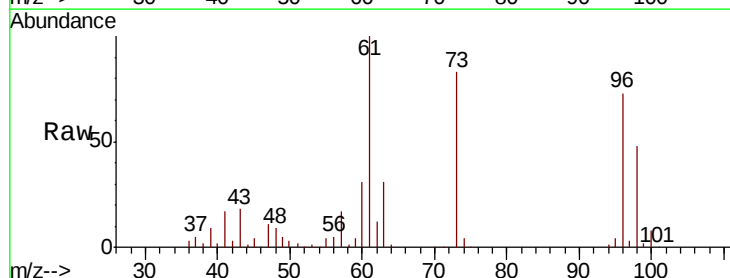


Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

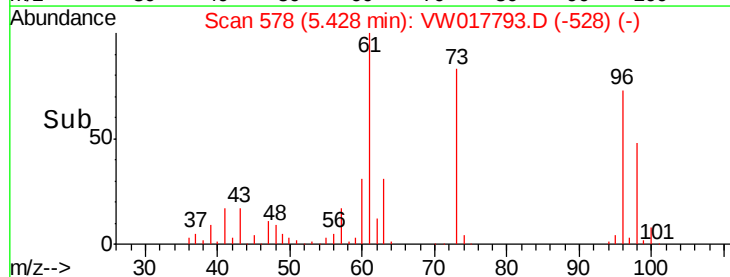
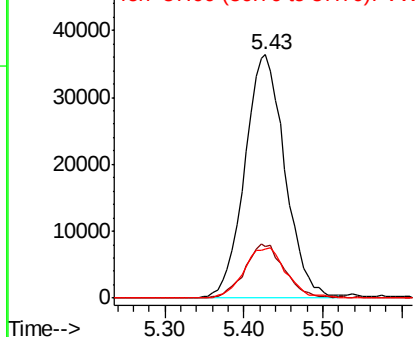


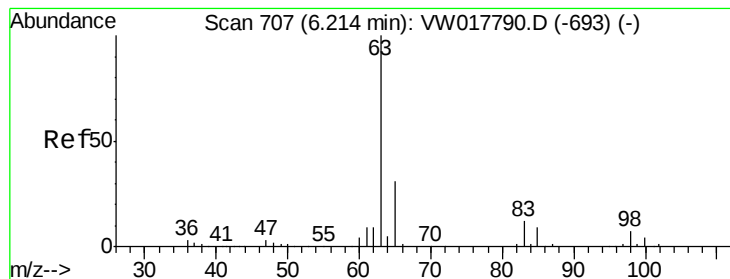
#18
Methyl tert-butyl Ether
Concen: 29.008 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW017793.D
Acq: 05 Jan 2021 14:28

Tgt Ion: 73 Resp: 128761
Ion Ratio Lower Upper
73 100
43 22.0 17.7 26.5
57 21.3 17.0 25.4



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





#19

1,1-Dichloroethane

Concen: 27.505 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW017793.D

Acq: 05 Jan 2021 14:28

Instrument :

MSVOA_W

ClientSampled :

VSTD025111

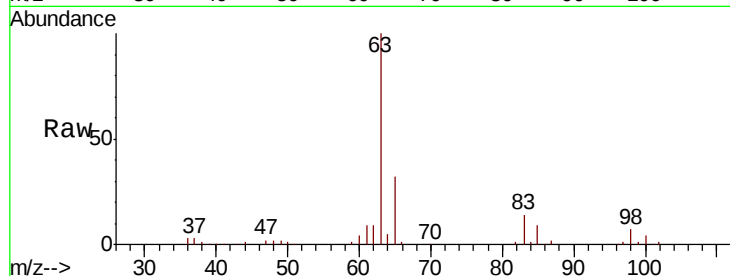
Tot Ion: 63 Resp: 169787

Ion Ratio Lower Upper

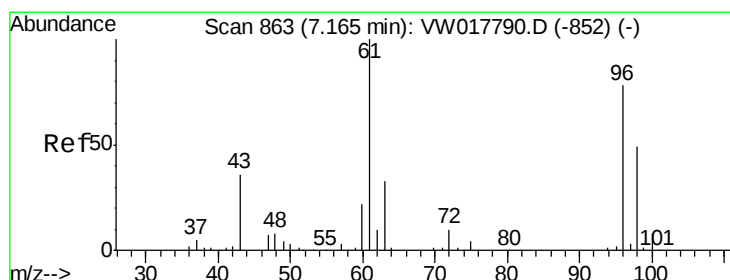
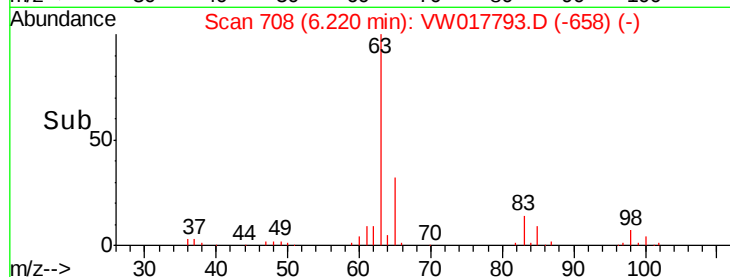
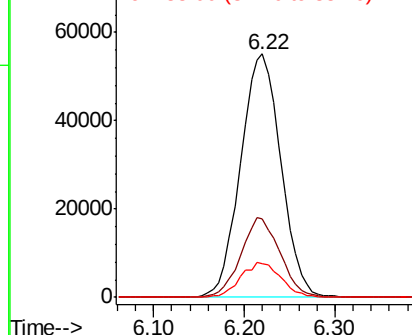
63 100

65 32.0 22.9 42.5

83 14.0 10.2 19.0



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



#20

cis-1,2-Dichloroethene

Concen: 27.642 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW017793.D

Acq: 05 Jan 2021 14:28

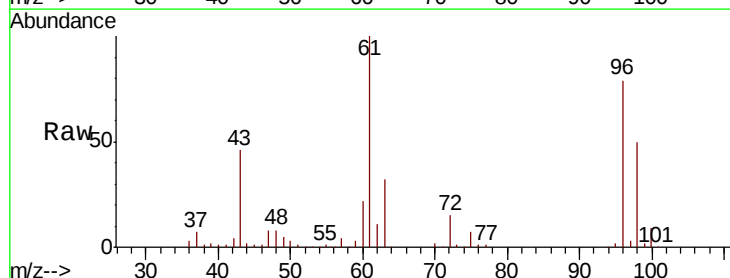
Tgt Ion: 96 Resp: 103059

Ion Ratio Lower Upper

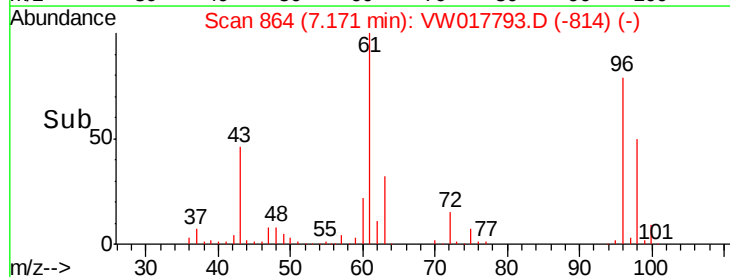
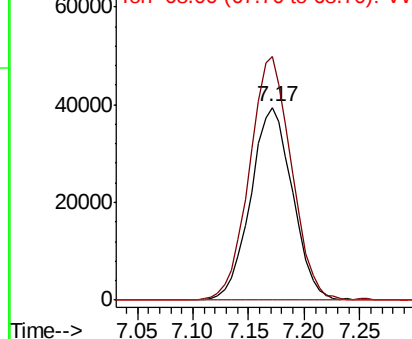
96 100

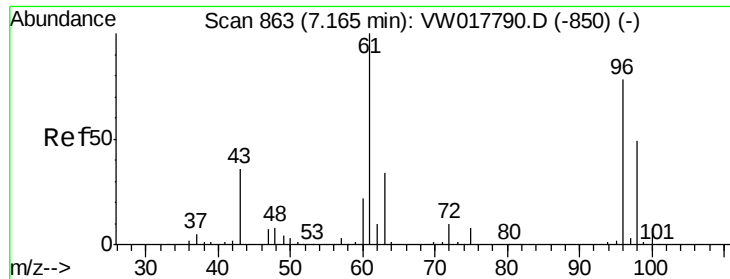
61 126.4 88.5 164.3

68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 52.604 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW017793.D

Acq: 05 Jan 2021 14:28

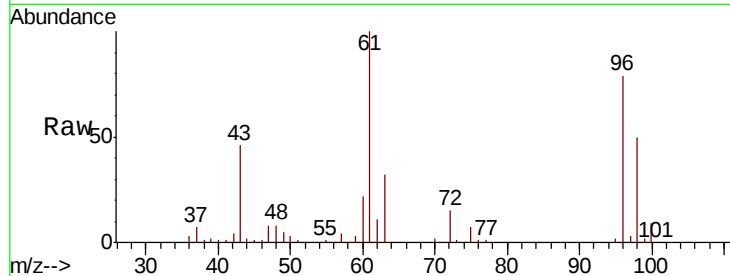
Instrument :
MSVOA_W
ClientSampled :
VSTD025111

Tot Ion: 43 Resp: 64839

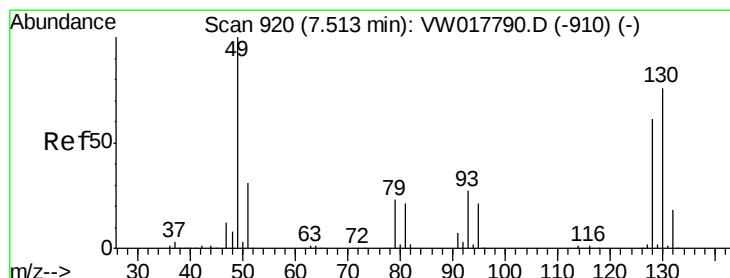
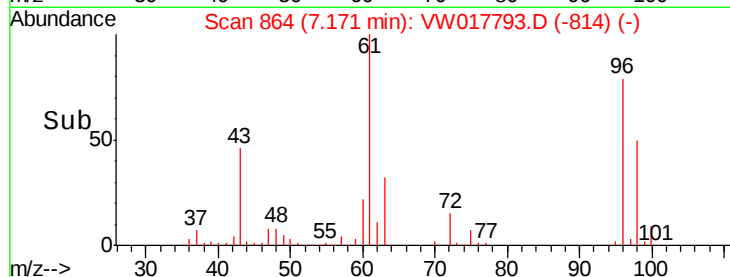
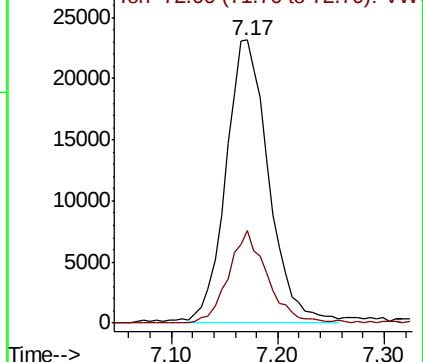
Ion Ratio Lower Upper

43 100

72 29.5 14.9 44.7



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



#23

Bromochloromethane

Concen: 27.216 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW017793.D

Acq: 05 Jan 2021 14:28

Tgt Ion:128 Resp: 46435

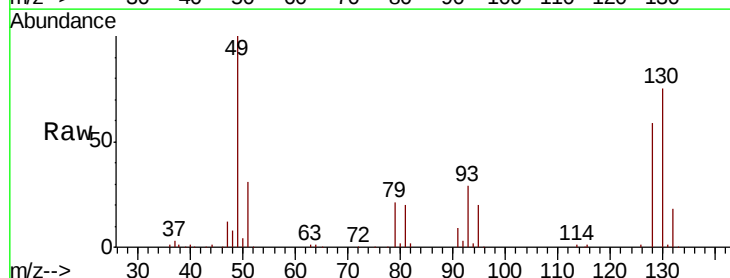
Ion Ratio Lower Upper

128 100

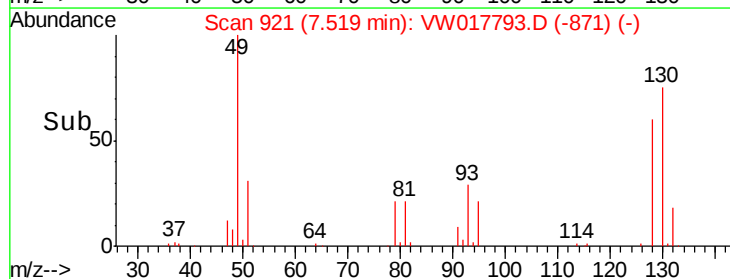
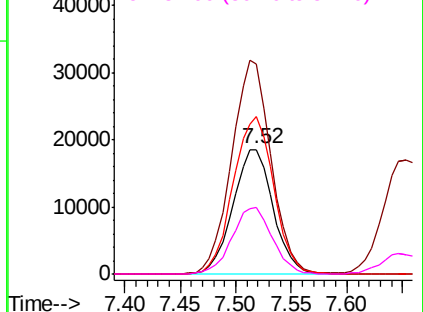
49 168.6 116.3 215.9

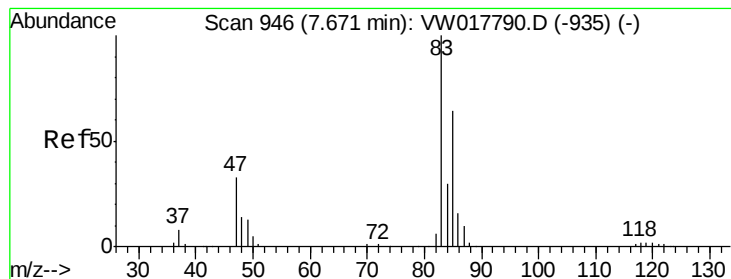
130 126.5 82.4 153.0

51 53.1 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: 27.396 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW017793.D

Acq: 05 Jan 2021 14:28

Instrument :

MSVOA_W

ClientSampled :

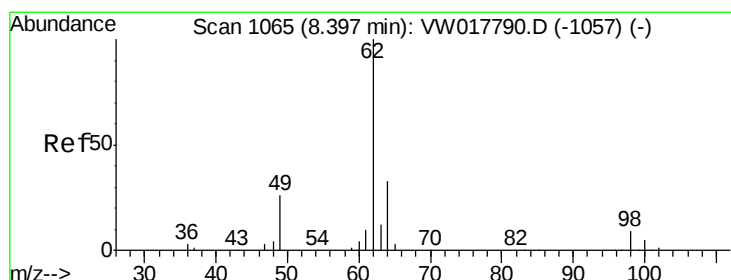
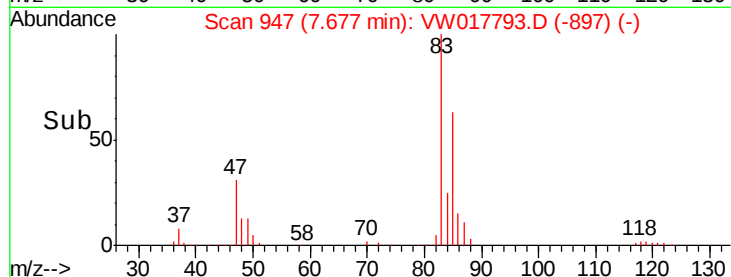
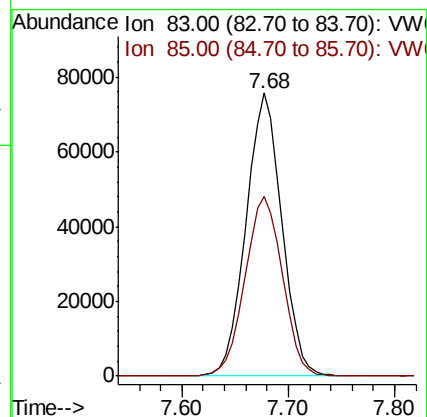
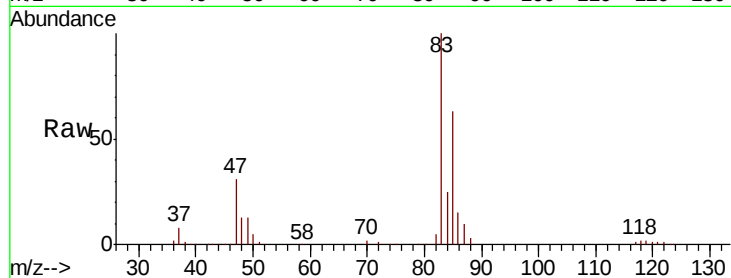
VSTD025111

Tot Ion: 83 Resp: 179381

Ion Ratio Lower Upper

83 100

85 63.4 44.6 82.8



#27

1,2-Dichloroethane

Concen: 27.857 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW017793.D

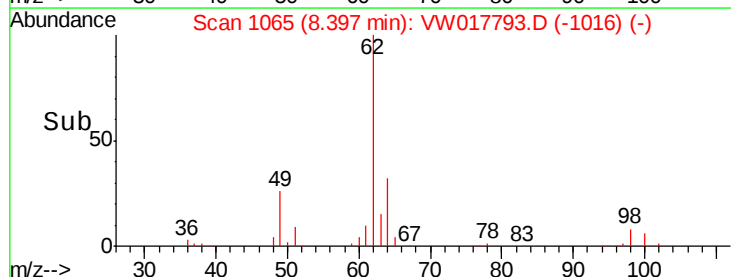
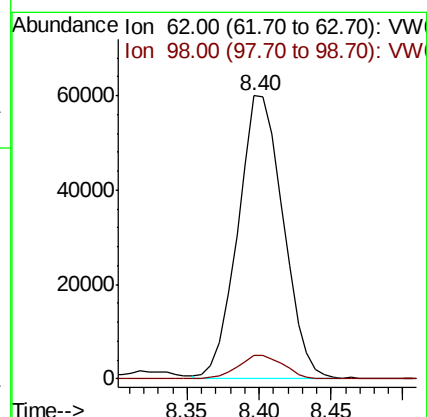
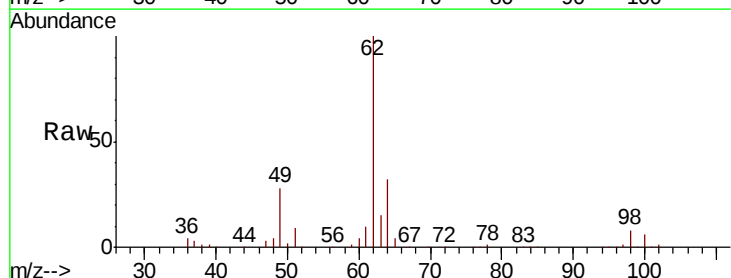
Acq: 05 Jan 2021 14:28

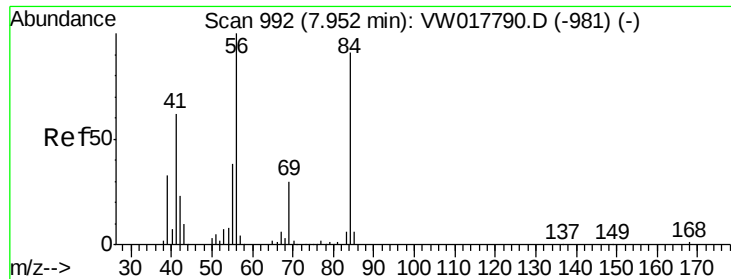
Tgt Ion: 62 Resp: 130255

Ion Ratio Lower Upper

62 100

98 8.3 6.9 10.3

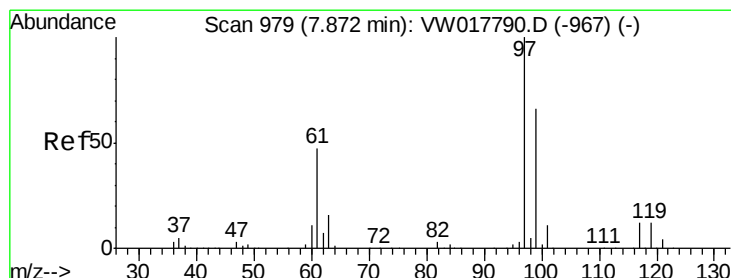
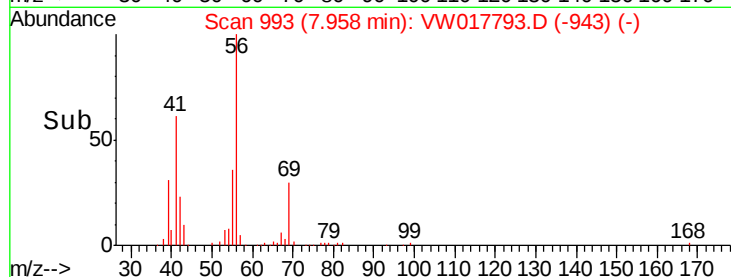
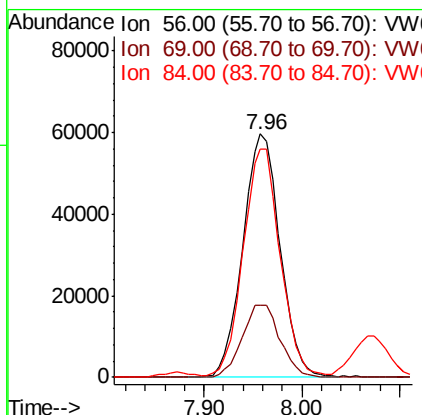
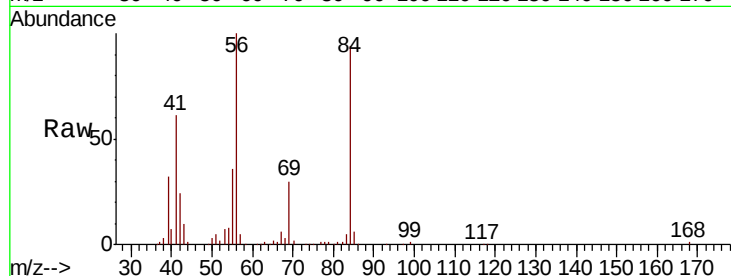




#29
Cyclohexane
Concen: 28.361 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW017793.D
Acq: 05 Jan 2021 14:28

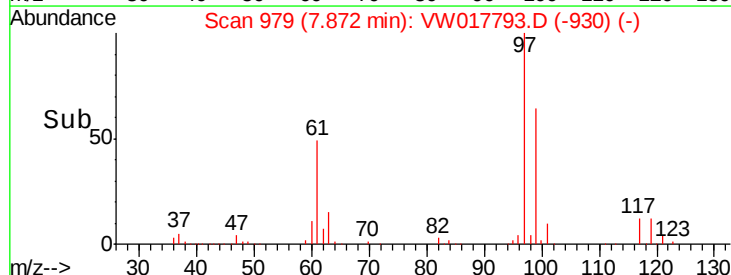
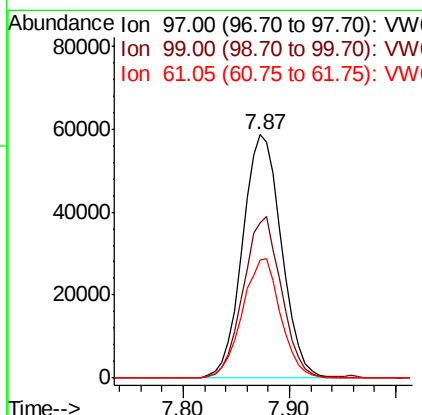
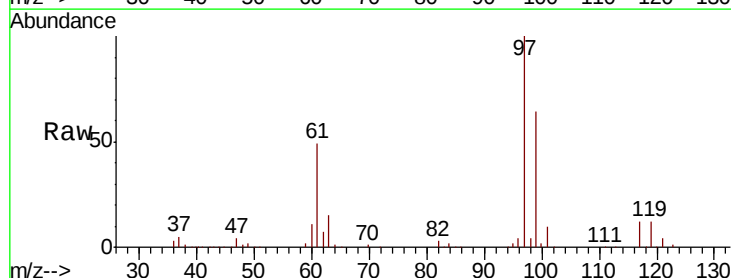
Instrument :
MSVOA_W
ClientSampleId :
VSTD025111

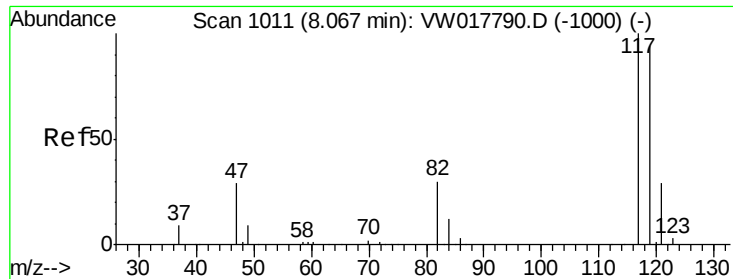
Tot Ion: 56 Resp: 157138
Ion Ratio Lower Upper
56 100
69 30.2 24.5 36.7
84 93.4 75.0 112.4



#30
1,1,1-Trichloroethane
Concen: 27.730 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW017793.D
Acq: 05 Jan 2021 14:28

Tgt Ion: 97 Resp: 150525
Ion Ratio Lower Upper
97 100
99 64.9 51.4 77.2
61 48.3 37.8 56.6





#31

Carbon tetrachloride

Concen: 27.487 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW017793.D

Acq: 05 Jan 2021 14:28

Instrument :

MSVOA_W

ClientSampleId :

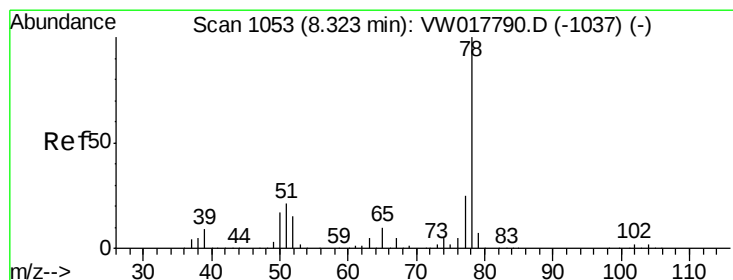
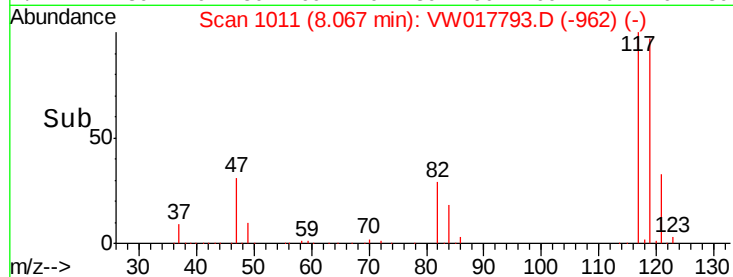
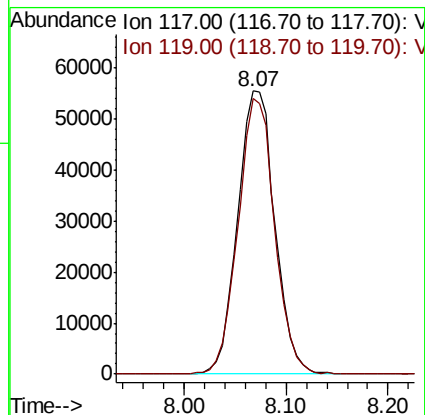
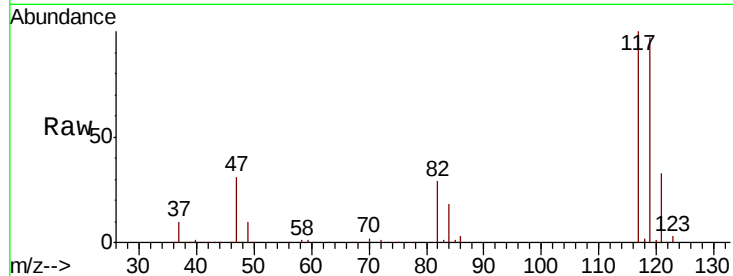
VSTD025111

Tot Ion:117 Resp: 140150

Ion Ratio Lower Upper

117 100

119 95.8 76.5 114.7



#33

Benzene

Concen: 28.301 ug/L

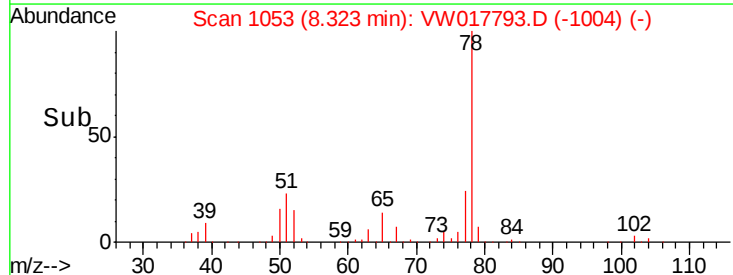
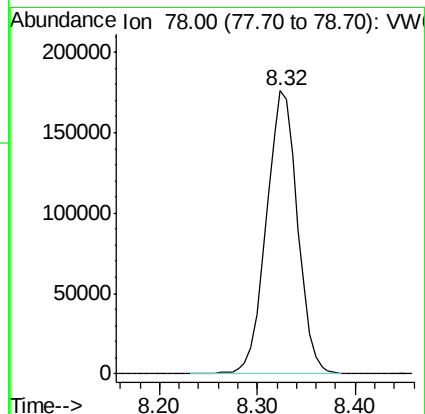
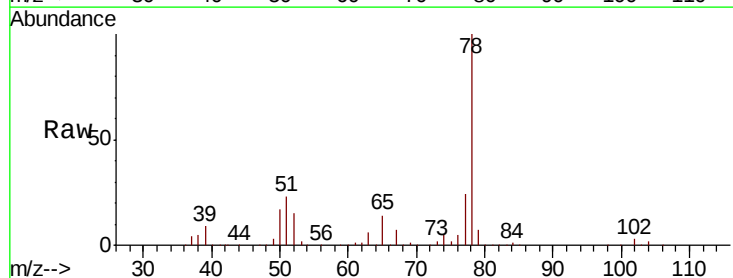
RT: 8.32 min Scan# 1053

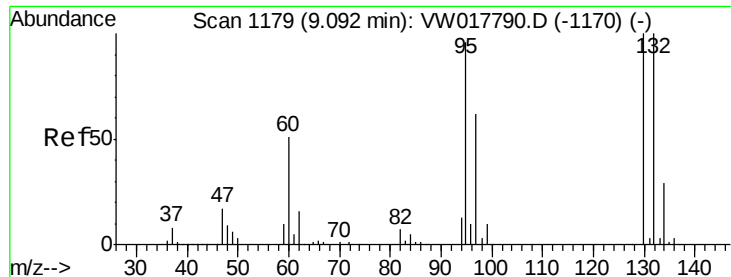
Delta R.T. -0.00 min

Lab File: VW017793.D

Acq: 05 Jan 2021 14:28

Tgt Ion: 78 Resp: 390156

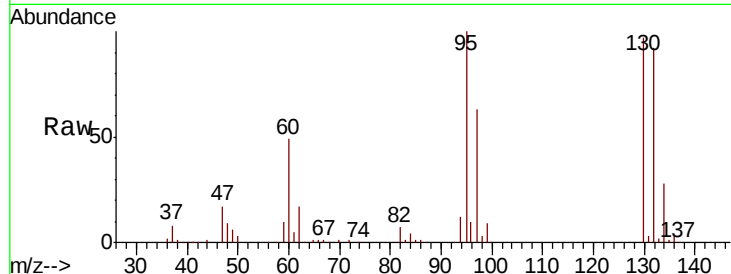




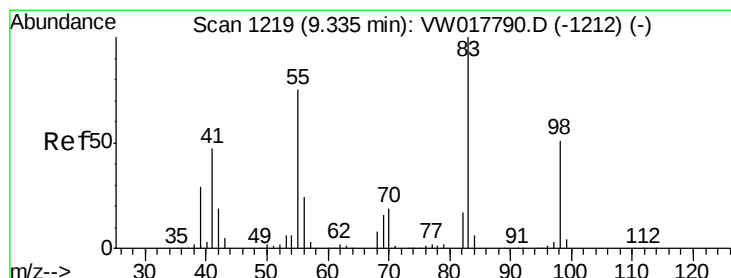
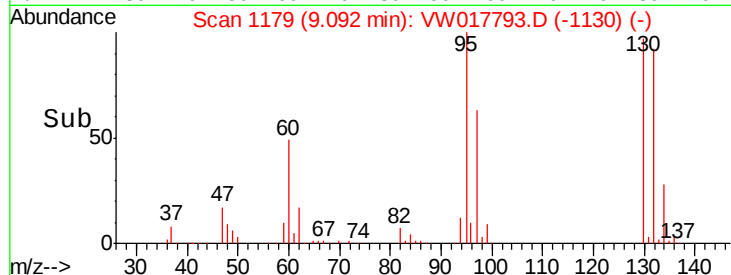
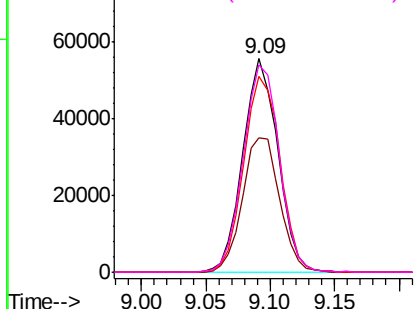
#34
 Trichloroethene
 Concen: 27.840 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW017793.D
 Acq: 05 Jan 2021 14:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025111

Tot Ion: 95 Resp: 104820
 Ion Ratio Lower Upper
 95 100
 97 63.0 47.3 87.8
 132 91.7 71.0 131.8
 130 96.9 65.1 120.9

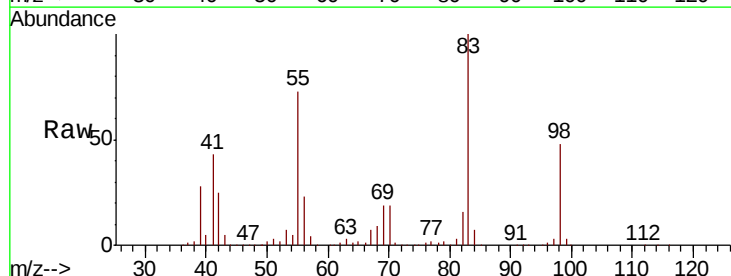


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

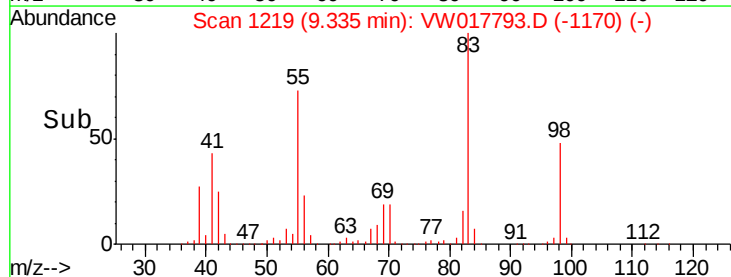
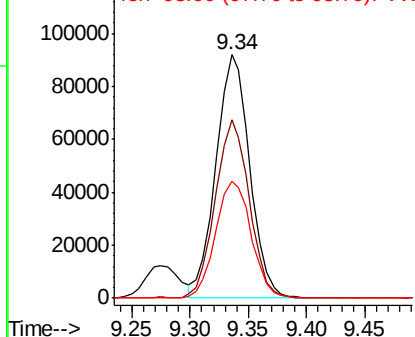


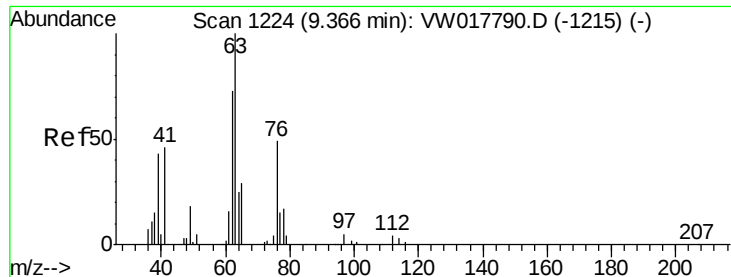
#35
 Methylcyclohexane
 Concen: 28.609 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW017793.D
 Acq: 05 Jan 2021 14:28

Tgt Ion: 83 Resp: 184441
 Ion Ratio Lower Upper
 83 100
 55 72.9 58.9 88.3
 98 49.9 40.1 60.1



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

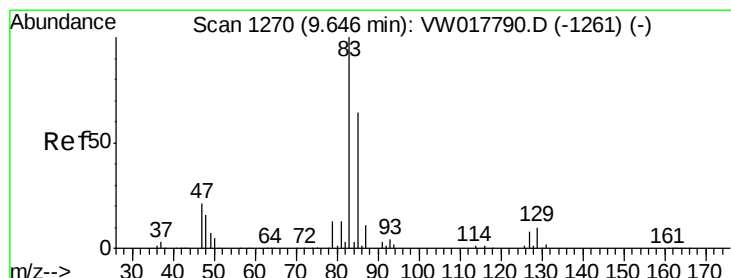
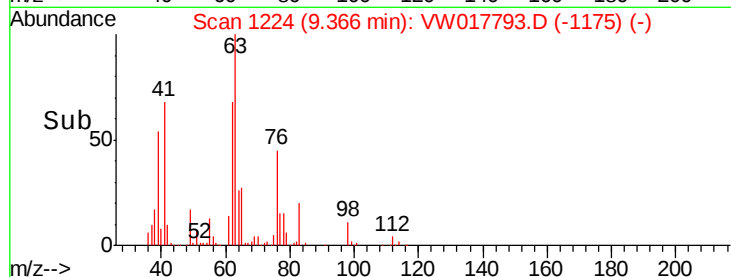
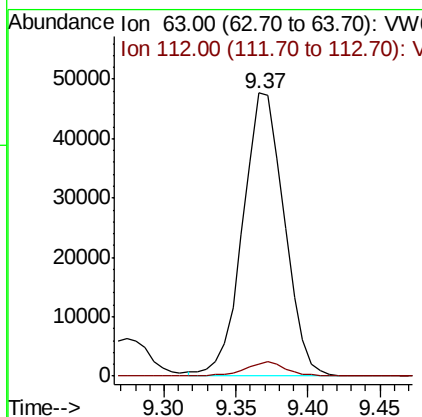
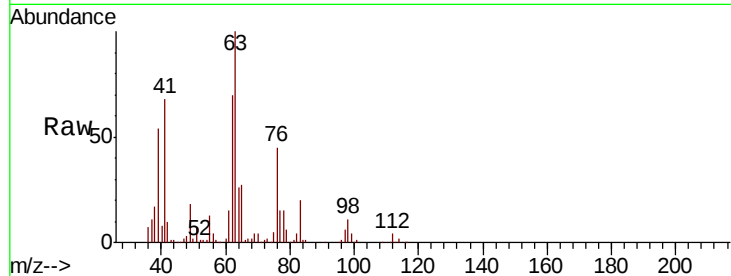




#37
 1,2-Dichloropropane
 Concen: 28.285 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW017793.D
 Acq: 05 Jan 2021 14:28

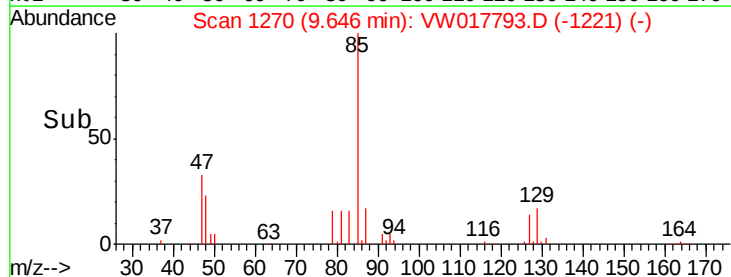
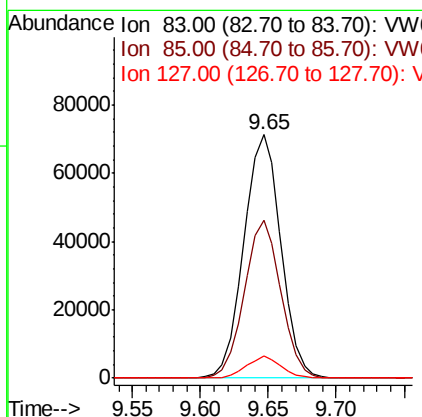
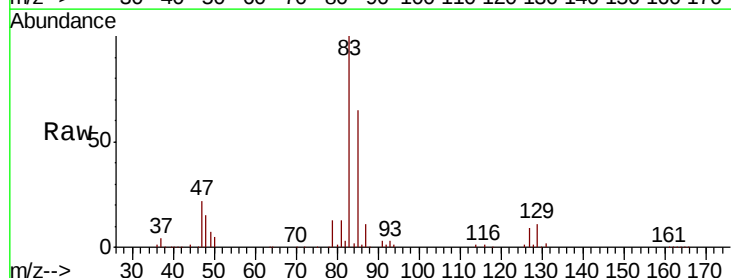
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD025111

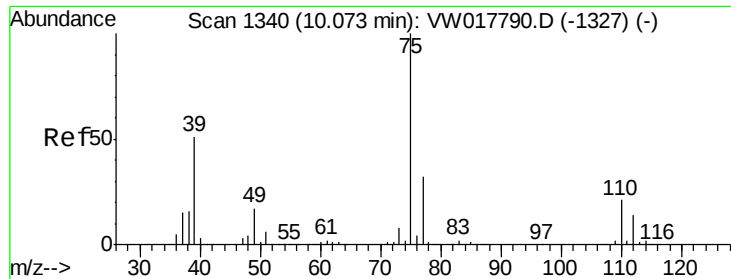
Tot Ion: 63 Resp: 94381
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.9 5.9



#38
 Bromodichloromethane
 Concen: 28.871 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017793.D
 Acq: 05 Jan 2021 14:28

Tgt Ion: 83 Resp: 136069
 Ion Ratio Lower Upper
 83 100
 85 64.9 42.3 78.5
 127 9.0 6.6 9.8

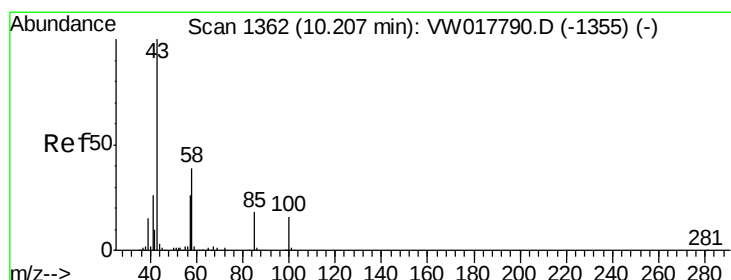
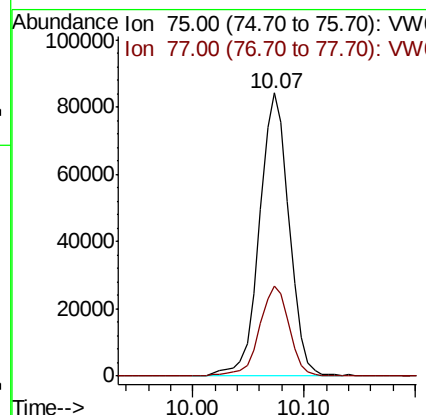
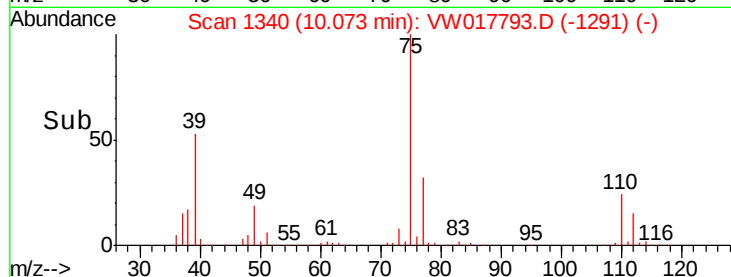
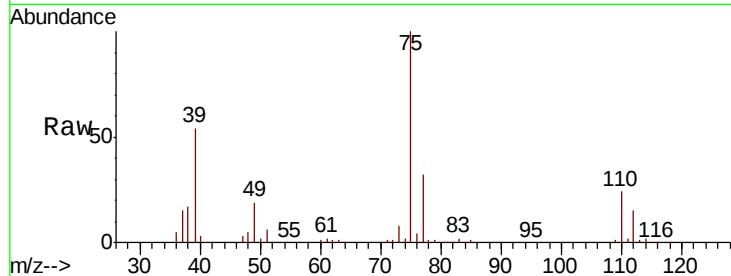




#39
 cis-1,3-Dichloropropene
 Concen: 29.377 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017793.D
 Acq: 05 Jan 2021 14:28

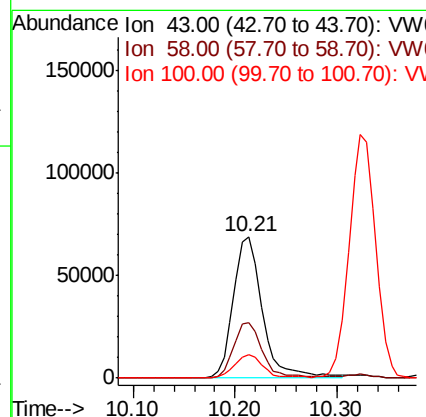
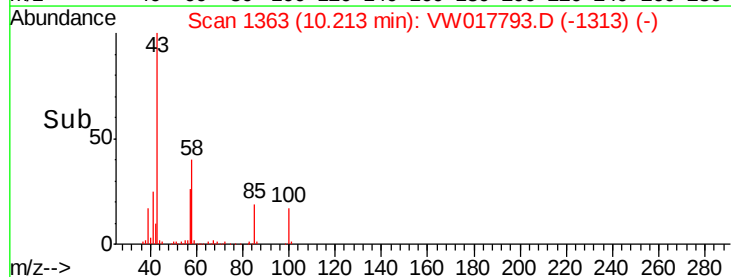
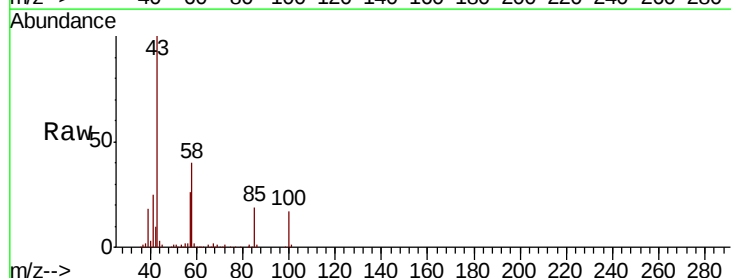
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025111

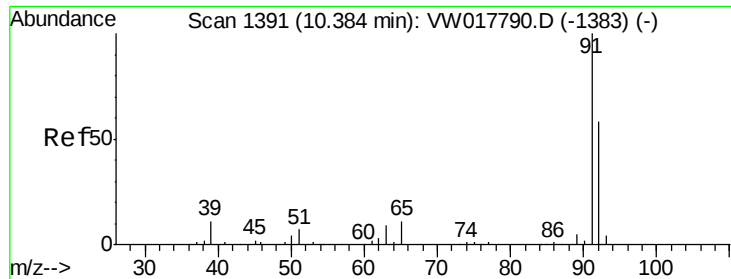
Tot Ion: 75 Resp: 156504
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 57.558 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW017793.D
 Acq: 05 Jan 2021 14:28

Tgt Ion: 43 Resp: 136324
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.0 46.4
 100 16.7 13.0 19.6





#42

Toluene

Concen: 27.993 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW017793.D

Acq: 05 Jan 2021 14:28

Instrument :

MSVOA_W

ClientSampleId :

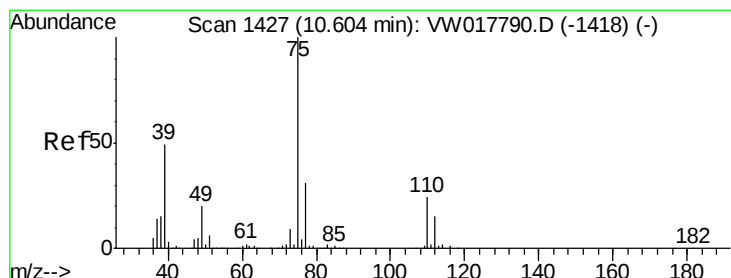
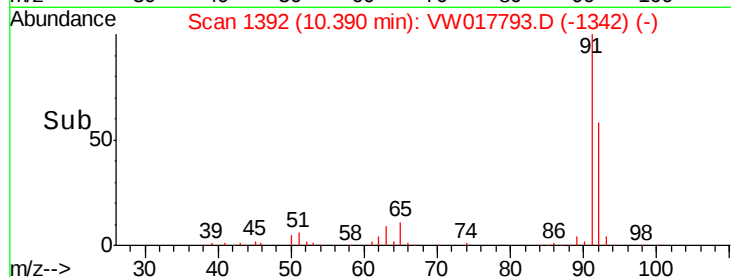
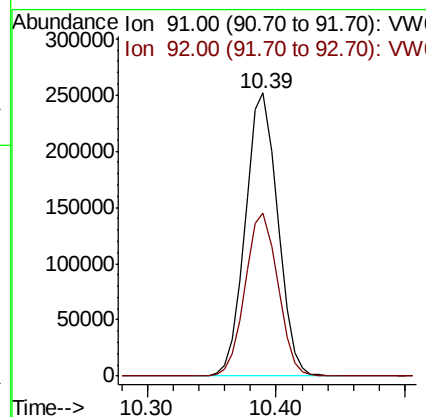
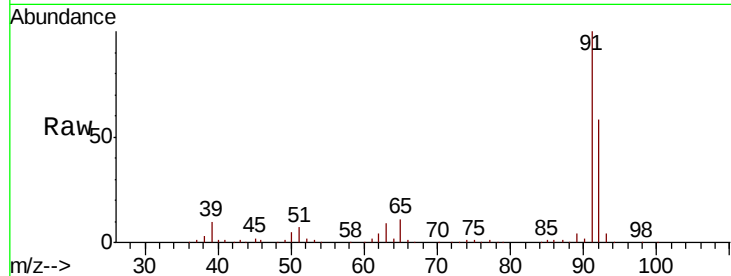
VSTD025111

Tot Ion: 91 Resp: 437081

Ion Ratio Lower Upper

91 100

92 57.8 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 29.332 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW017793.D

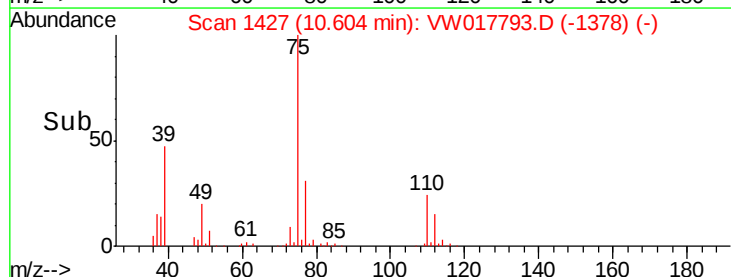
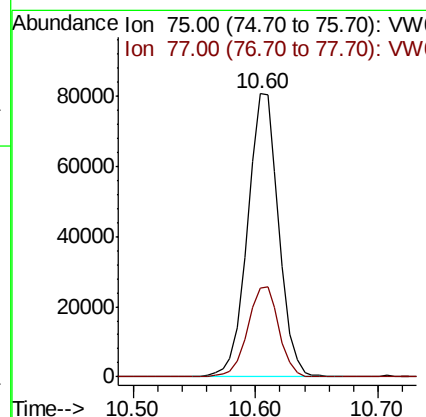
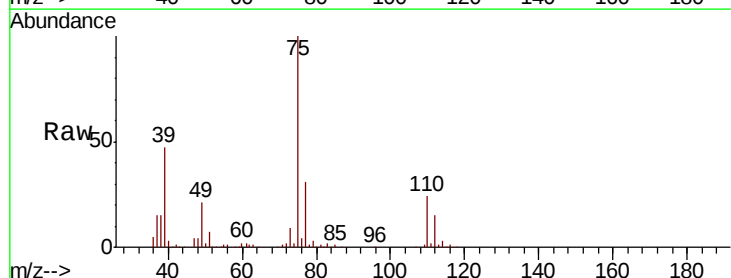
Acq: 05 Jan 2021 14:28

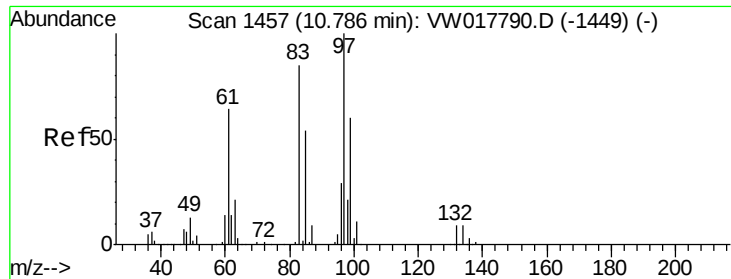
Tgt Ion: 75 Resp: 142490

Ion Ratio Lower Upper

75 100

77 31.3 21.1 39.1

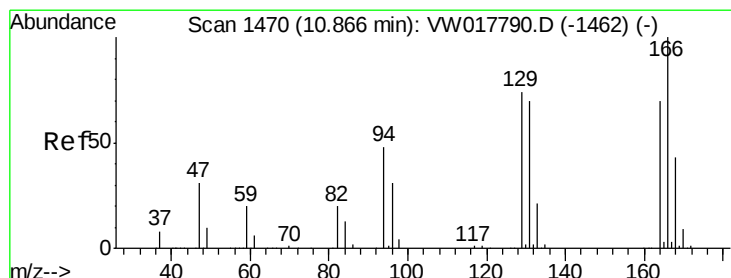
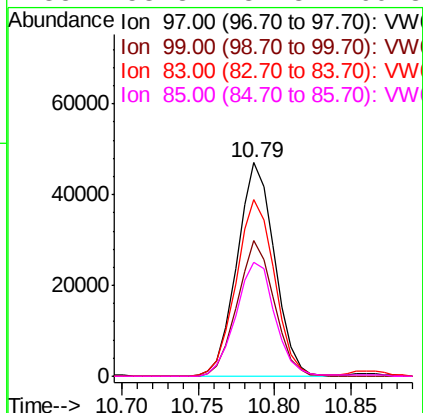
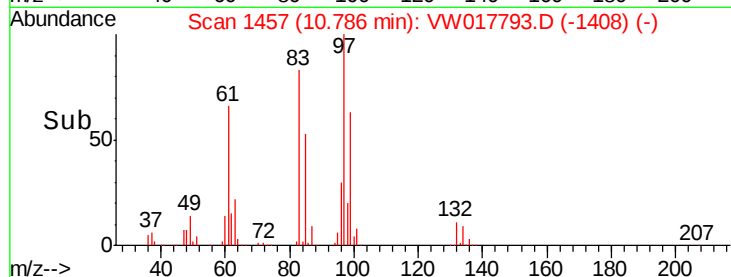
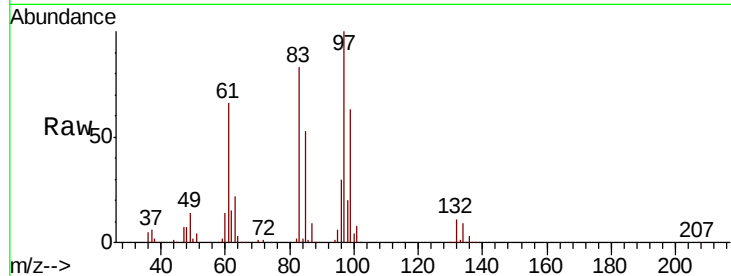




#45
 1,1,2-Trichloroethane
 Concen: 28.652 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW017793.D
 Acq: 05 Jan 2021 14:28

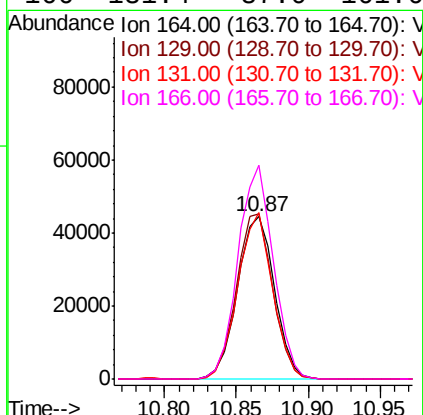
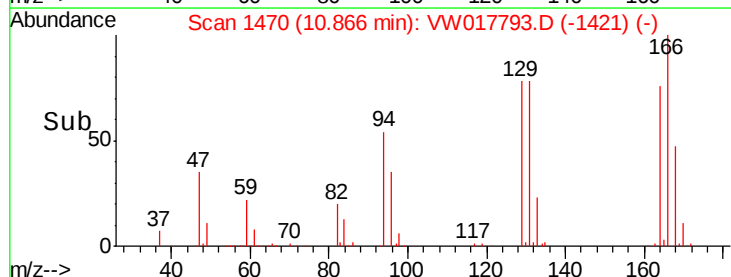
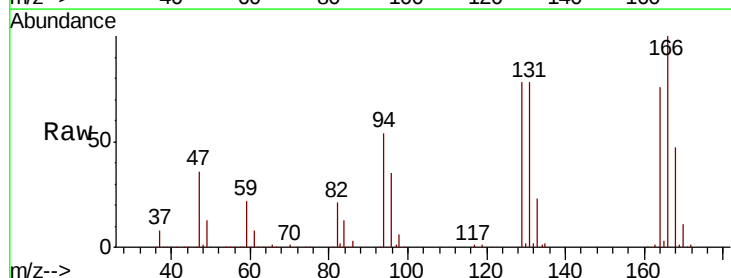
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025111

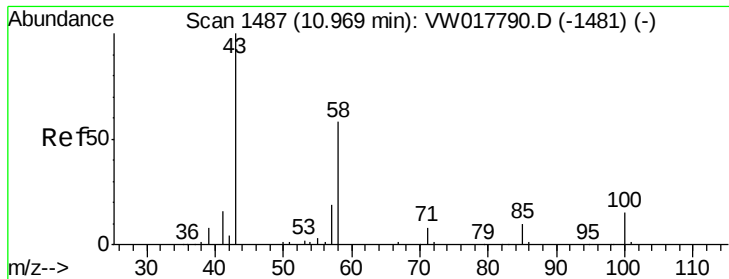
Tot Ion:	97	Resp:	80248
Ion	Ratio	Lower	Upper
97	100		
99	63.4	45.1	83.7
83	82.5	58.1	107.9
85	53.3	37.3	69.3



#46
 Tetrachloroethene
 Concen: 27.537 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW017793.D
 Acq: 05 Jan 2021 14:28

Tgt Ion:	164	Resp:	79448
Ion	Ratio	Lower	Upper
164	100		
129	101.9	66.7	123.9
131	102.7	61.1	113.5
166	131.4	87.0	161.6

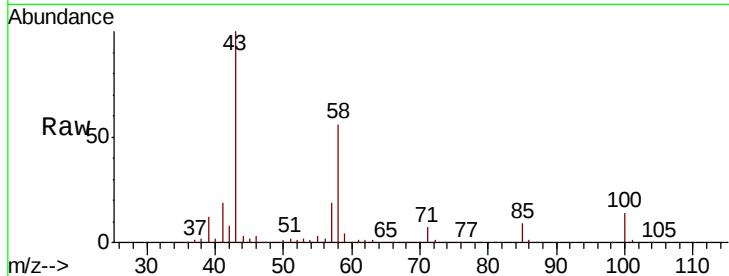




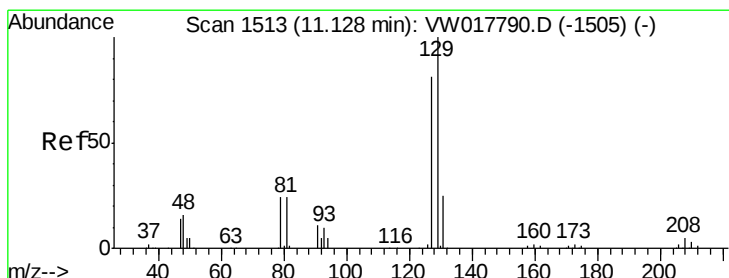
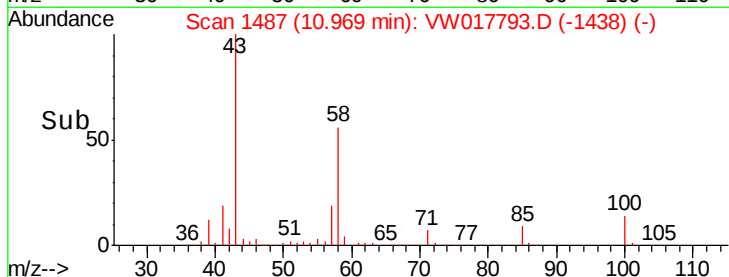
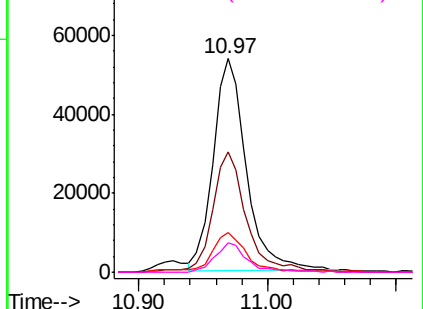
#48
2-Hexanone
Concen: 58.429 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017793.D
Acq: 05 Jan 2021 14:28

Instrument :
MSVOA_W
ClientSampleId :
VSTD025111

Tot Ion: 43 Resp: 96950
Ion Ratio Lower Upper
43 100
58 57.5 42.7 64.1
57 17.2 15.8 23.8
100 13.3 10.0 15.0

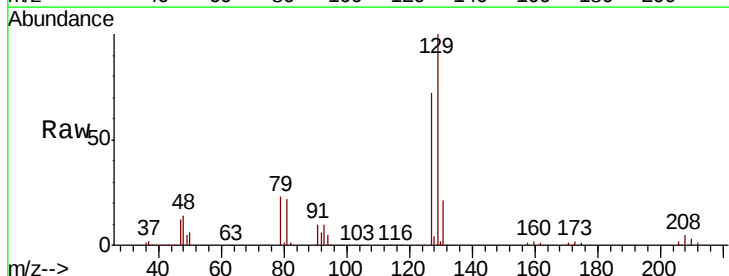


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

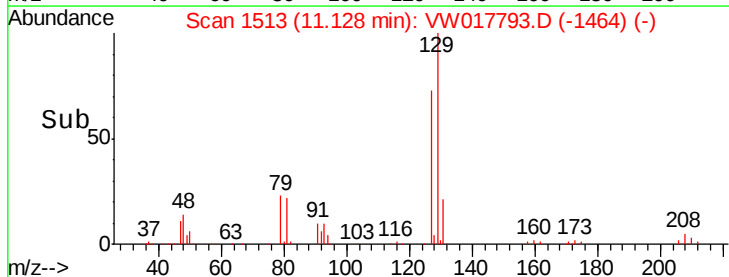
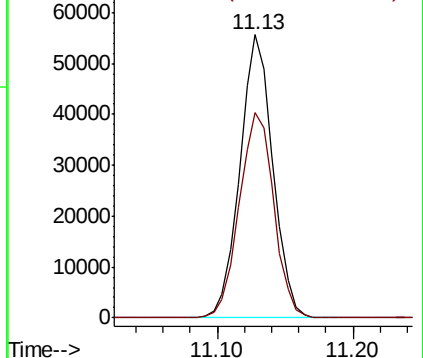


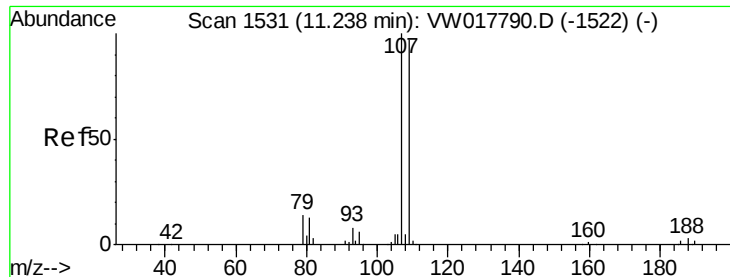
#49
Dibromochloromethane
Concen: 29.200 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW017793.D
Acq: 05 Jan 2021 14:28

Tgt Ion: 129 Resp: 93852
Ion Ratio Lower Upper
129 100
127 72.5 51.7 95.9



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

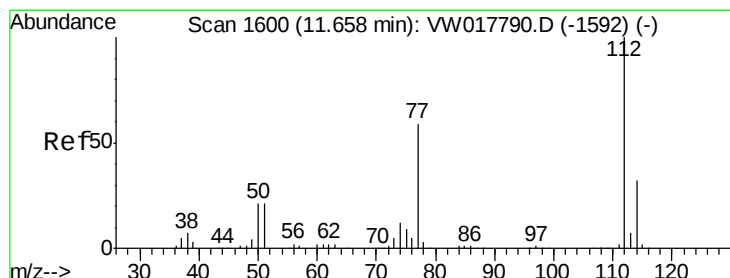
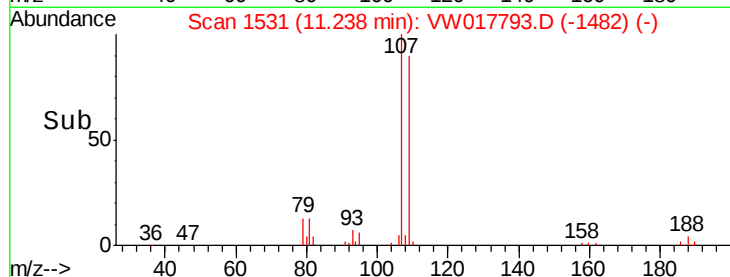
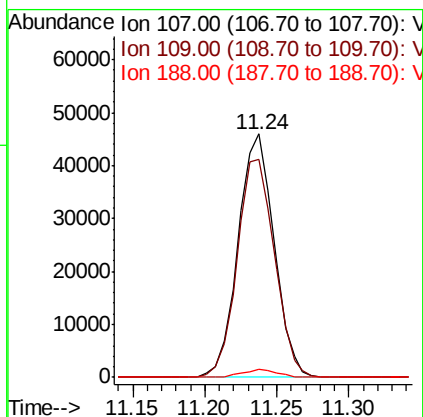
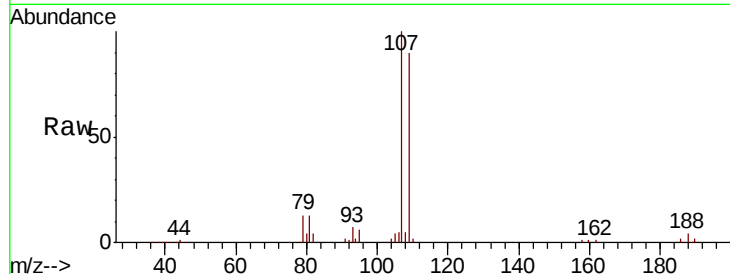




#50
1,2-Dibromoethane
Concen: 28.843 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017793.D
Acq: 05 Jan 2021 14:28

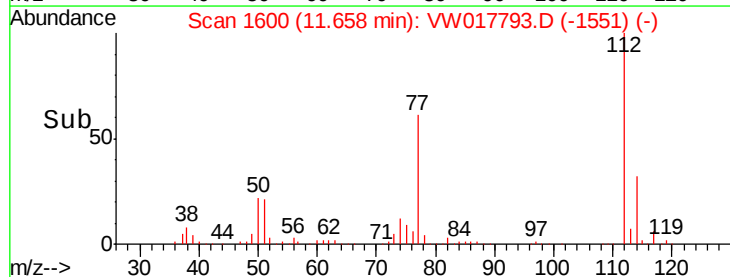
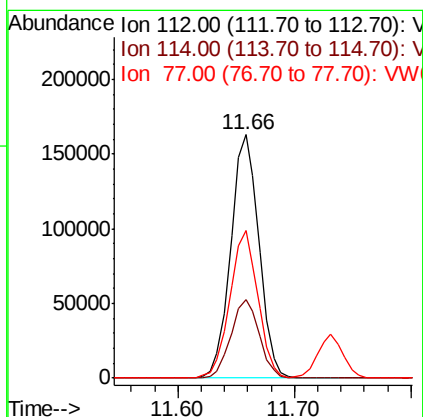
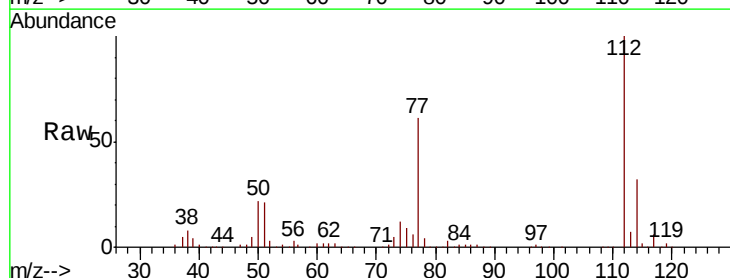
Instrument :
MSVOA_W
ClientSampleId :
VSTD025111

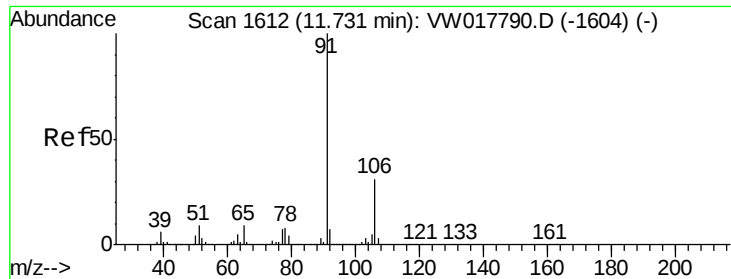
Tot Ion:107 Resp: 79819
Ion Ratio Lower Upper
107 100
109 89.6 65.4 121.4
188 3.5 2.6 4.0



#51
Chlorobenzene
Concen: 27.679 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017793.D
Acq: 05 Jan 2021 14:28

Tgt Ion:112 Resp: 274225
Ion Ratio Lower Upper
112 100
114 32.1 23.4 43.6
77 60.5 47.6 71.4

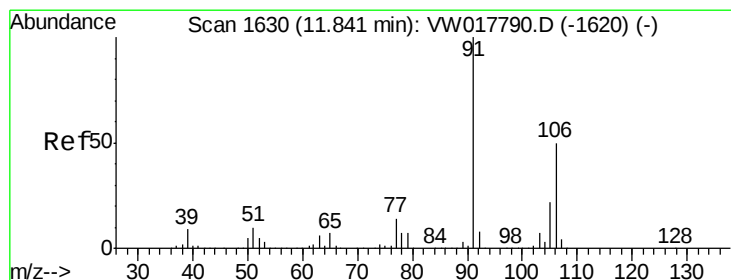
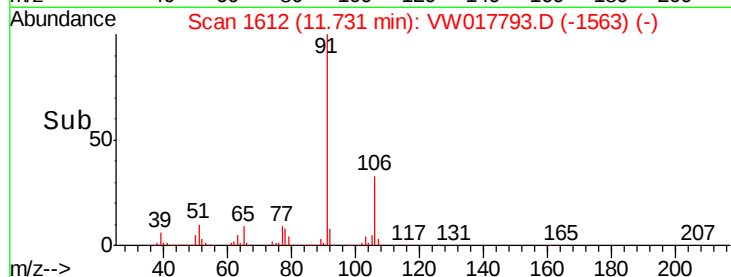
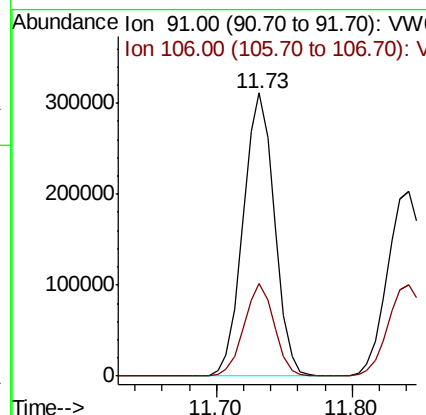
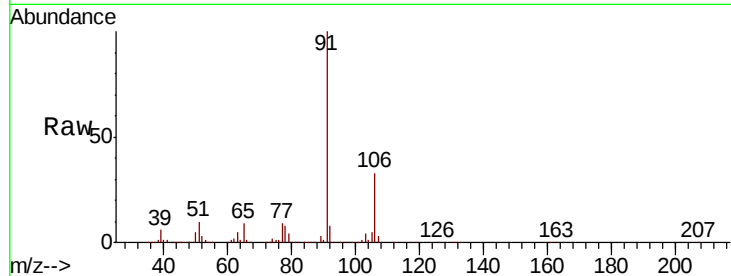




#52
Ethylbenzene
Concen: 28.108 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017793.D
Acq: 05 Jan 2021 14:28

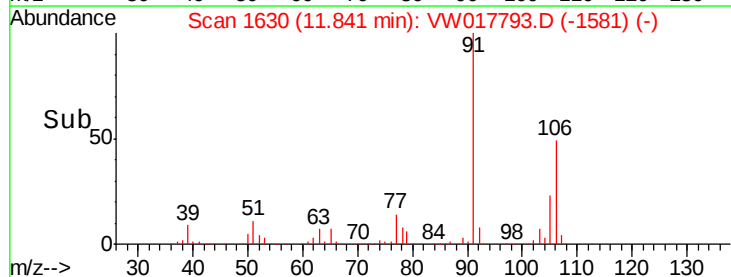
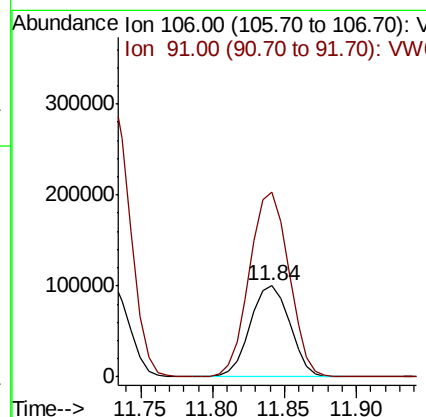
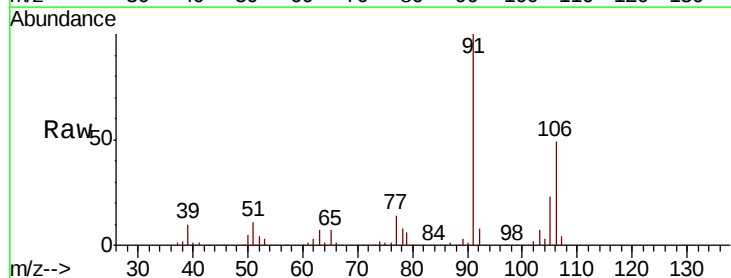
Instrument :
MSVOA_W
ClientSampleId :
VSTD025111

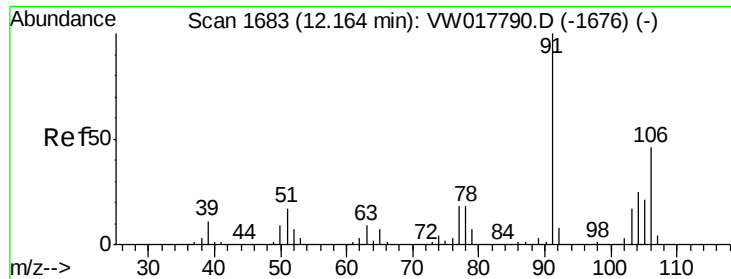
Tot Ion: 91 Resp: 501213
Ion Ratio Lower Upper
91 100
106 32.8 22.5 41.7



#53
m,p-Xylene
Concen: 27.651 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW017793.D
Acq: 05 Jan 2021 14:28

Tgt Ion: 106 Resp: 190762
Ion Ratio Lower Upper
106 100
91 204.3 141.3 262.3

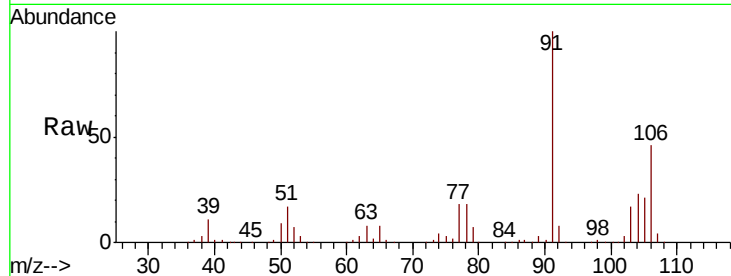




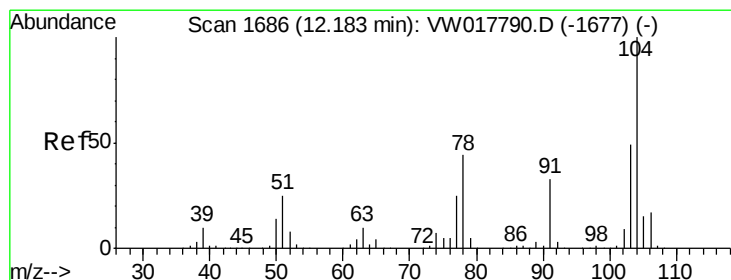
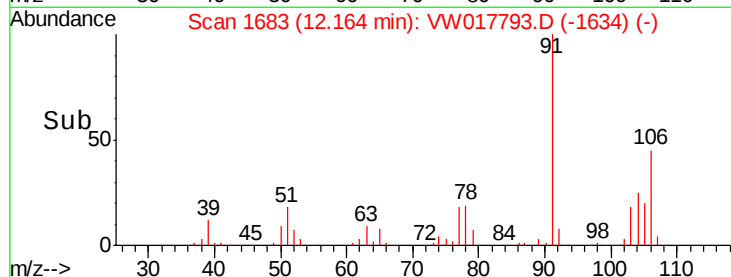
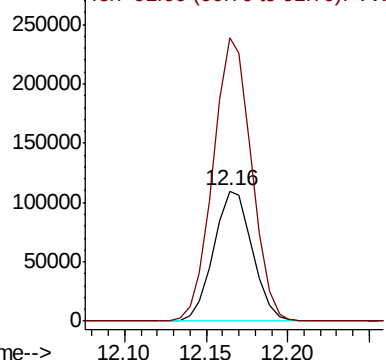
#54
o-Xylene
Concen: 27.773 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW017793.D
Acq: 05 Jan 2021 14:28

Instrument :
MSVOA_W
ClientSampleId :
VSTD025111

Tot Ion:106 Resp: 180838
Ion Ratio Lower Upper
106 100
91 217.7 150.0 278.6

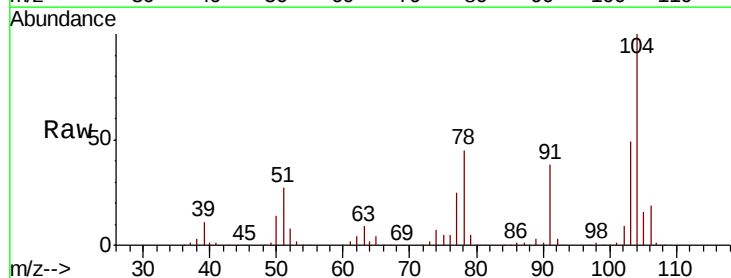


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

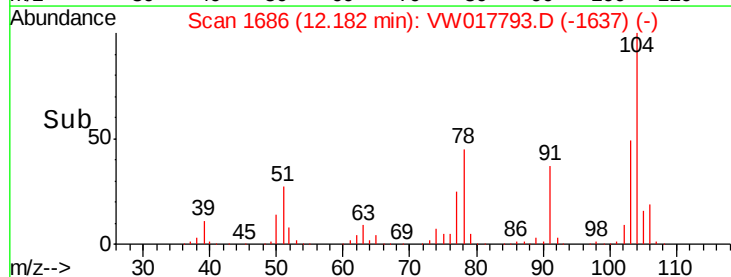
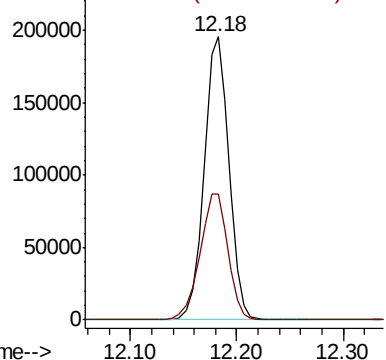


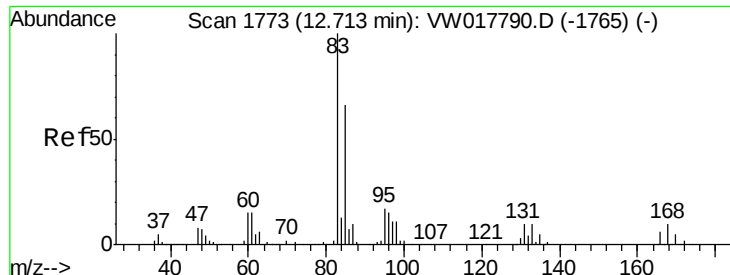
#55
Styrene
Concen: 28.550 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017793.D
Acq: 05 Jan 2021 14:28

Tgt Ion:104 Resp: 318066
Ion Ratio Lower Upper
104 100
78 44.6 32.5 60.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW

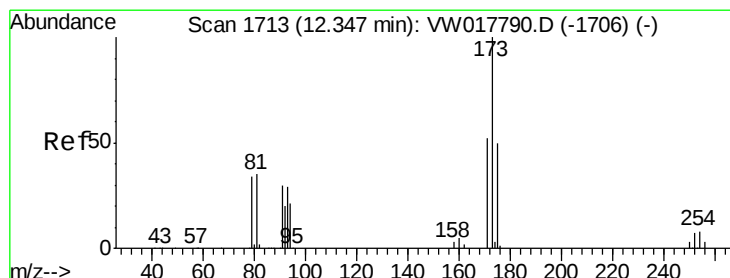
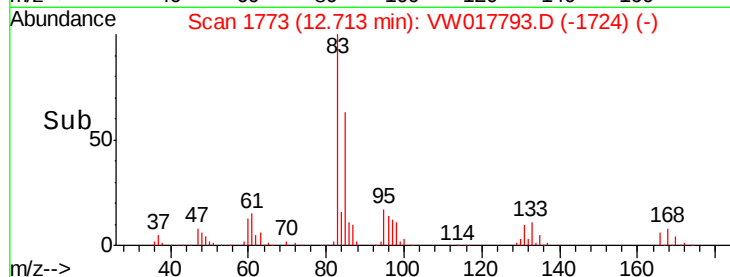
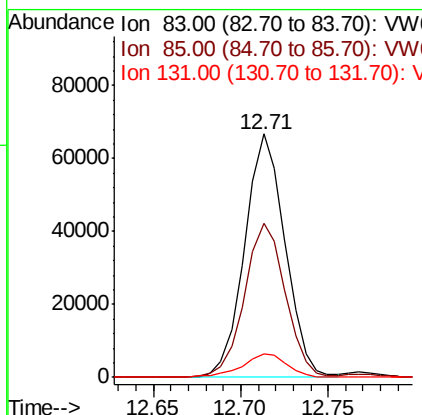
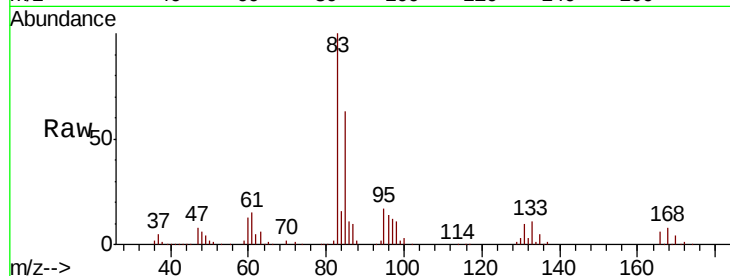




#57
 1,1,2,2-Tetrachloroethane
 Concen: 29.480 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW017793.D
 Acq: 05 Jan 2021 14:28

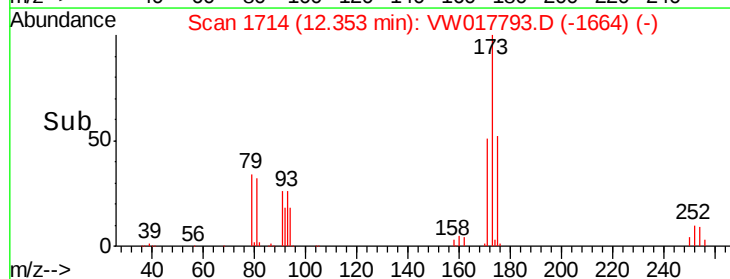
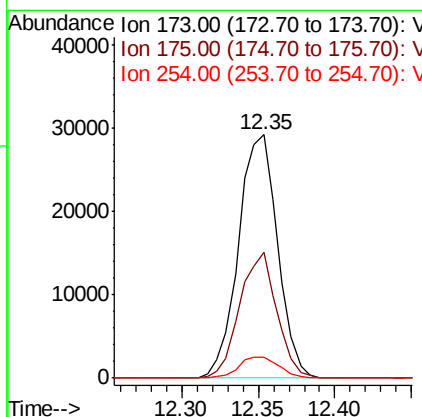
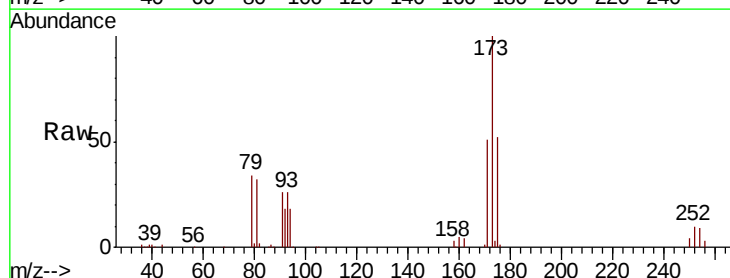
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025111

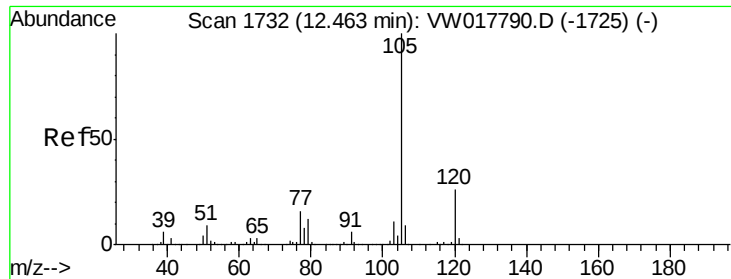
Tot Ion	83	Resp	107356
Ion	Ratio	Lower	Upper
83	100		
85	63.1	44.4	82.4
131	9.8	8.2	12.4



#59
 Bromoform
 Concen: 27.485 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW017793.D
 Acq: 05 Jan 2021 14:28

Tgt Ion	173	Resp	51709
Ion	Ratio	Lower	Upper
173	100		
175	49.1	37.5	56.3
254	8.8	7.0	10.4





#60

Isopropylbenzene

Concen: 27.476 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017793.D

Acq: 05 Jan 2021 14:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD025111

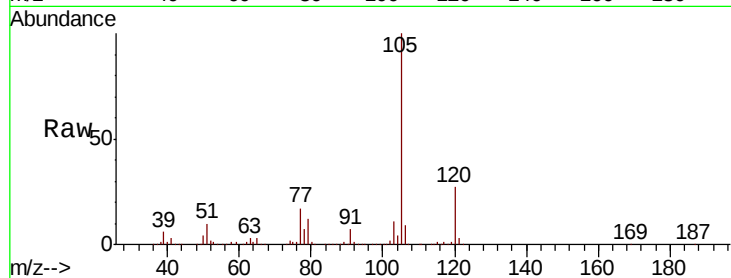
Tot Ion:105 Resp: 504029

Ion Ratio Lower Upper

105 100

120 26.8 21.1 31.7

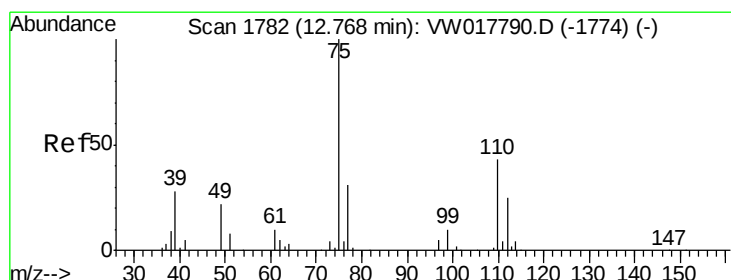
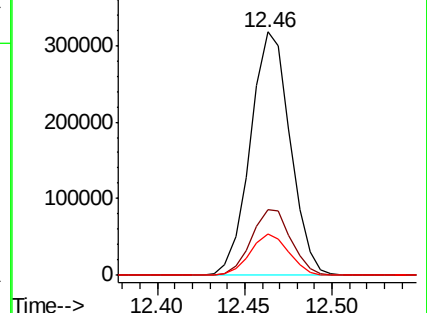
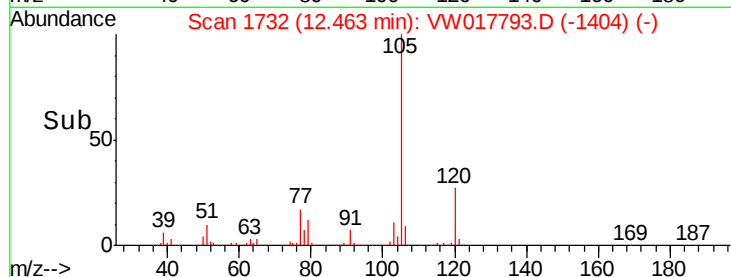
77 16.6 13.2 19.8



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: 28.721 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017793.D

Acq: 05 Jan 2021 14:28

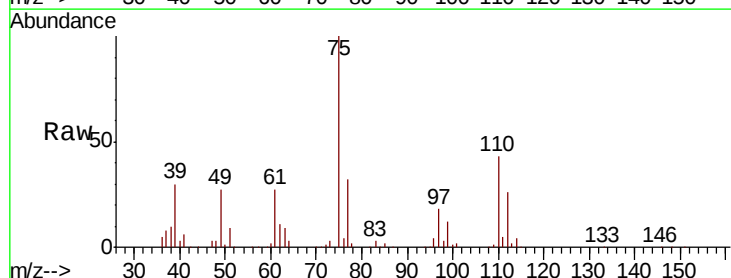
Tgt Ion: 75 Resp: 79314

Ion Ratio Lower Upper

75 100

77 32.8 25.3 37.9

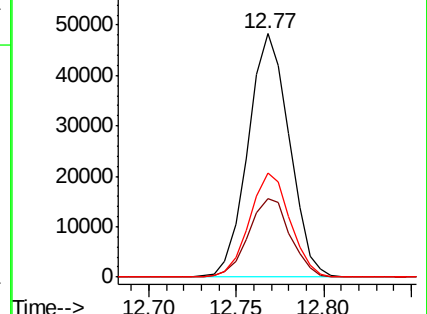
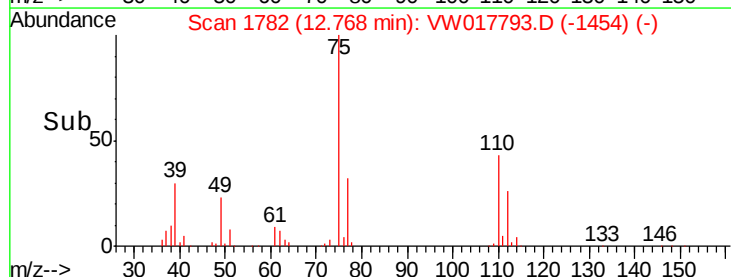
110 42.0 32.6 48.8

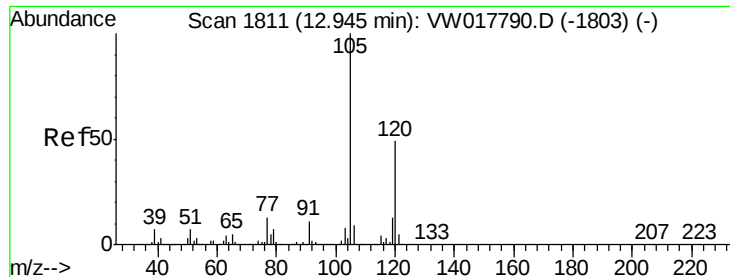


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 28.534 ug/L

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW017793.D

Acq: 05 Jan 2021 14:28

Instrument :

MSVOA_W

ClientSampleId :

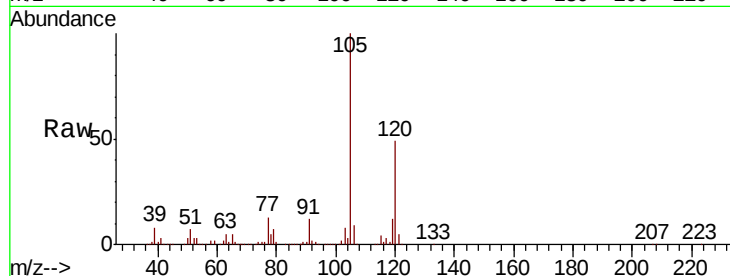
VSTD025111

Tot Ion:105 Resp: 416411

Ion Ratio Lower Upper

105 100

120 48.9 39.0 58.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.94

250000

200000

150000

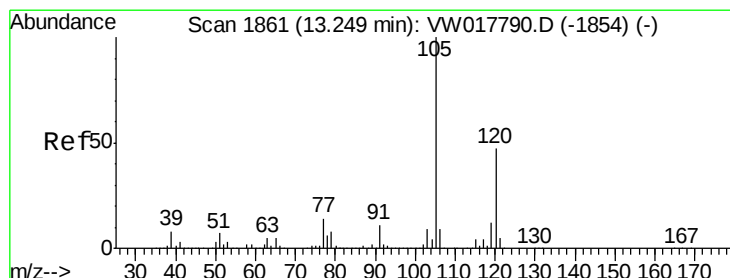
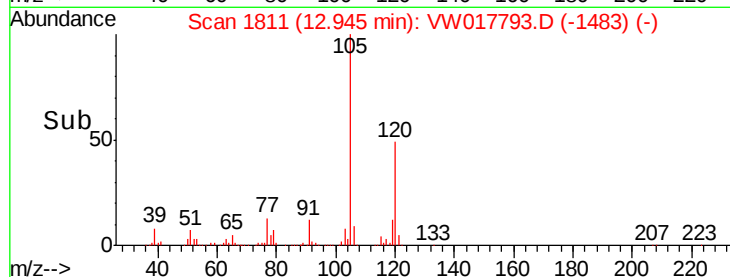
100000

50000

0

12.90 13.00

Time-->



#63

1,2,4-Trimethylbenzene

Concen: 28.656 ug/L

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW017793.D

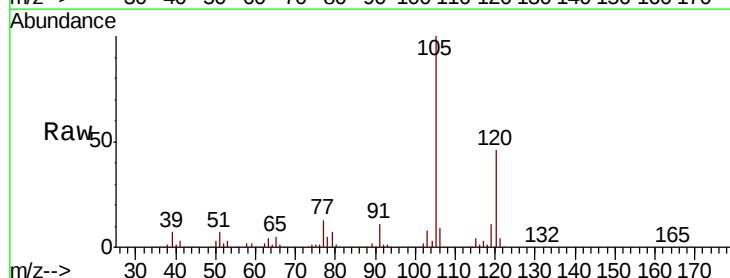
Acq: 05 Jan 2021 14:28

Tgt Ion:105 Resp: 425583

Ion Ratio Lower Upper

105 100

120 45.4 35.6 53.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.25

250000

200000

150000

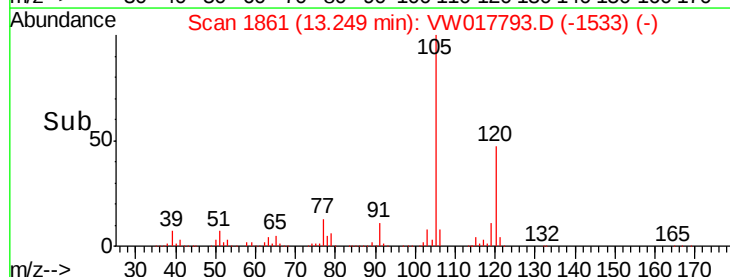
100000

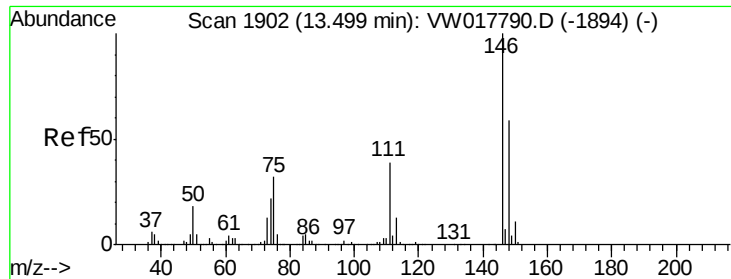
50000

0

13.20 13.30

Time-->

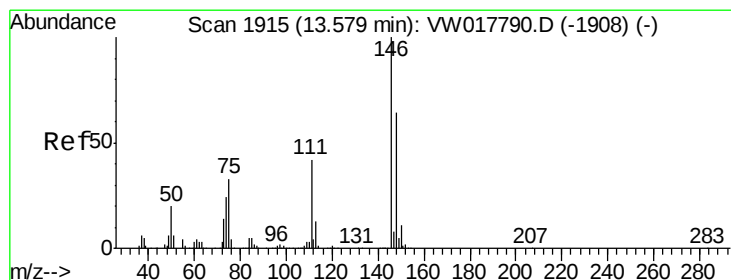
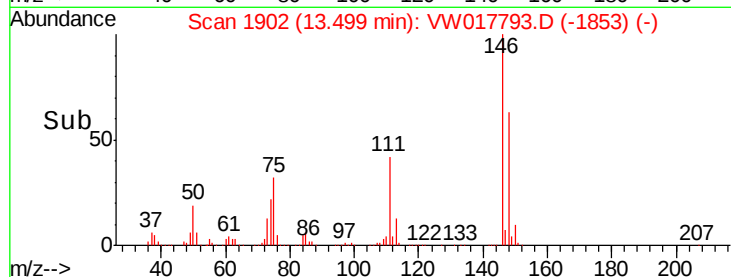
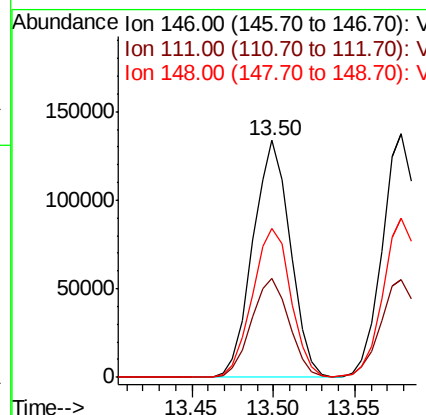
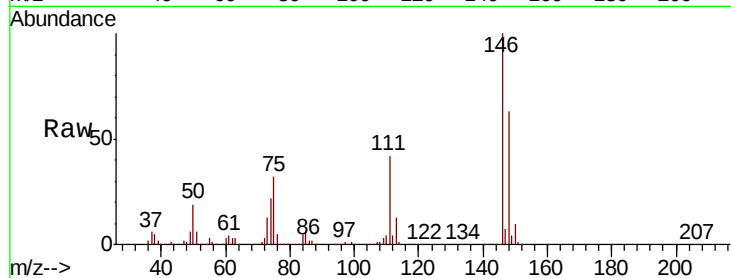




#64
 1,3-Dichlorobenzene
 Concen: 27.027 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017793.D
 Acq: 05 Jan 2021 14:28

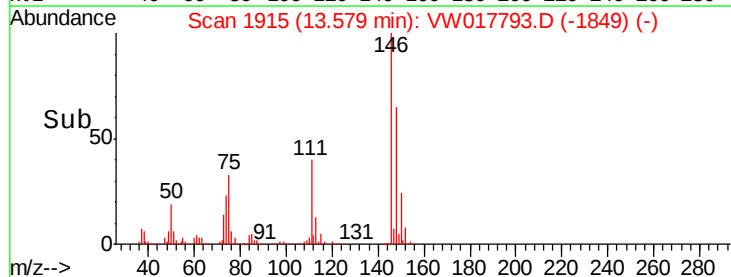
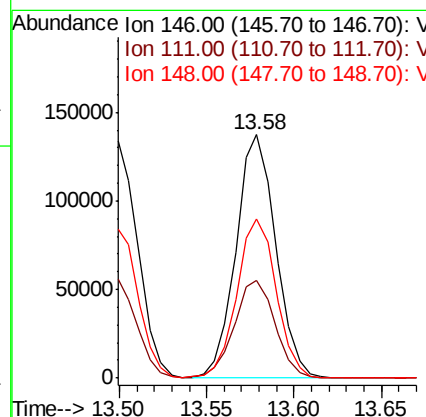
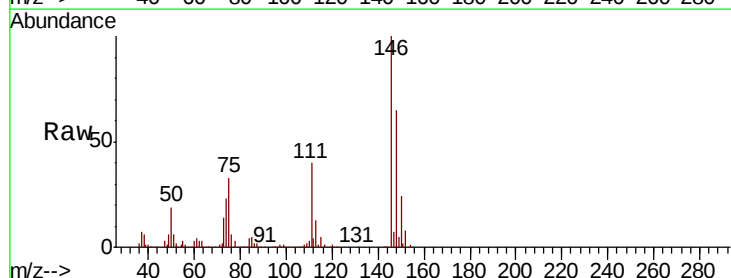
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025111

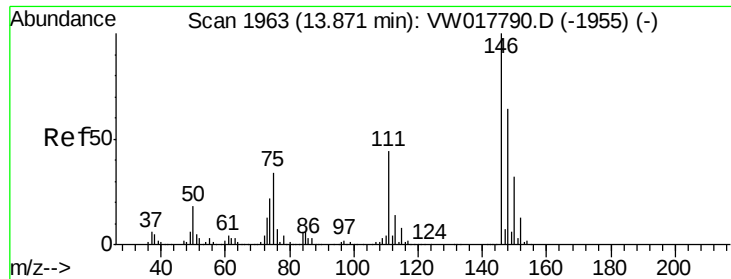
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	26.7	49.7
148	63.0	41.1	76.3



#65
 1,4-Dichlorobenzene
 Concen: 27.620 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017793.D
 Acq: 05 Jan 2021 14:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	28.8	53.4
148	65.3	46.8	87.0

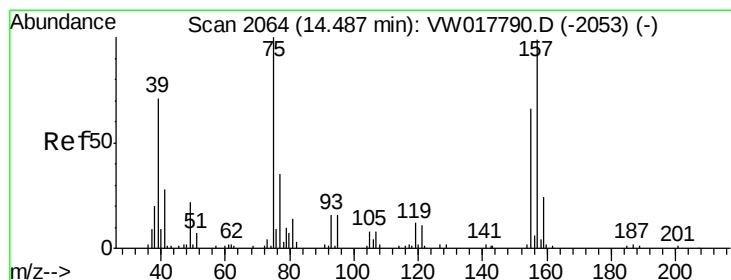
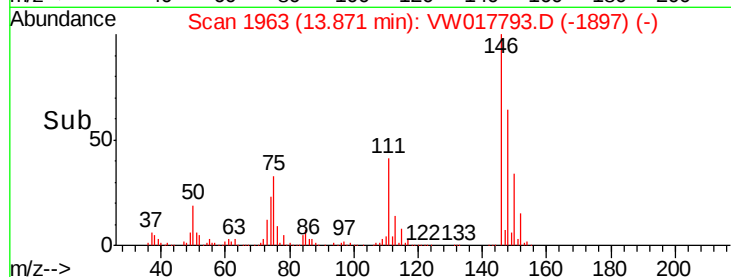
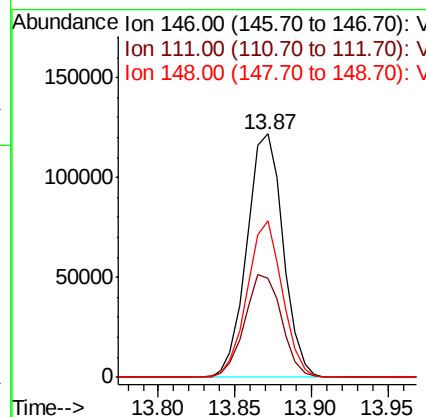
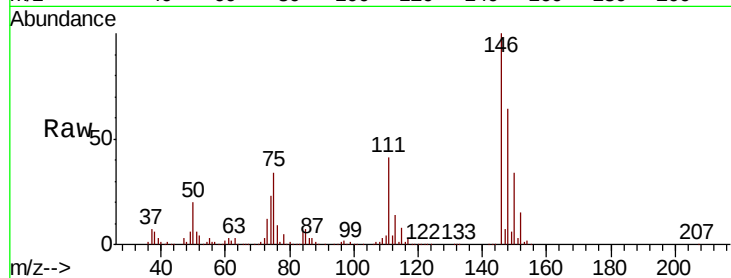




#67
 1,2-Dichlorobenzene
 Concen: 28.288 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017793.D
 Acq: 05 Jan 2021 14:28

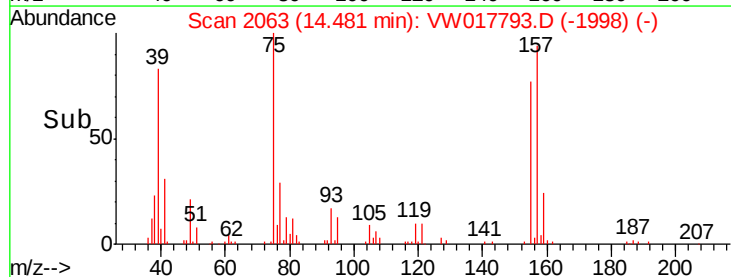
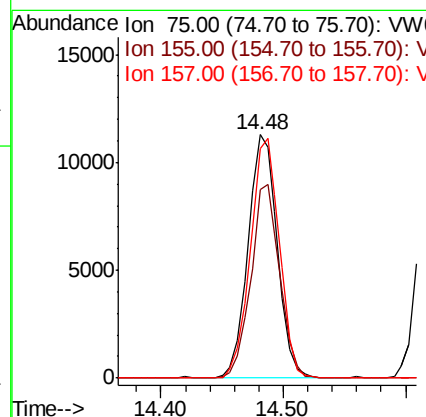
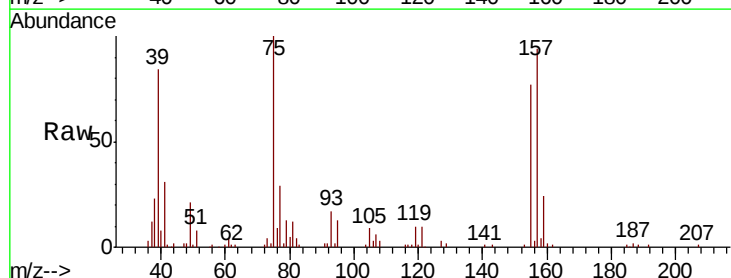
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025111

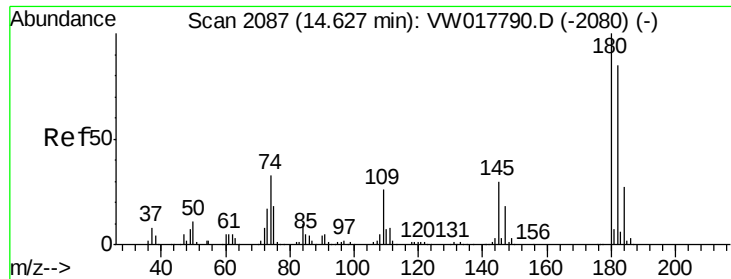
Tot Ion:146 Resp: 201028
 Ion Ratio Lower Upper
 146 100
 111 40.9 33.2 49.8
 148 64.2 50.4 75.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 28.166 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW017793.D
 Acq: 05 Jan 2021 14:28

Tgt Ion: 75 Resp: 18613
 Ion Ratio Lower Upper
 75 100
 155 77.2 59.4 89.0
 157 94.2 72.2 108.2





#69

1,3,5-Trichlorobenzene

Concen: 26.856 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VW017793.D

Acq: 05 Jan 2021 14:28

Instrument :

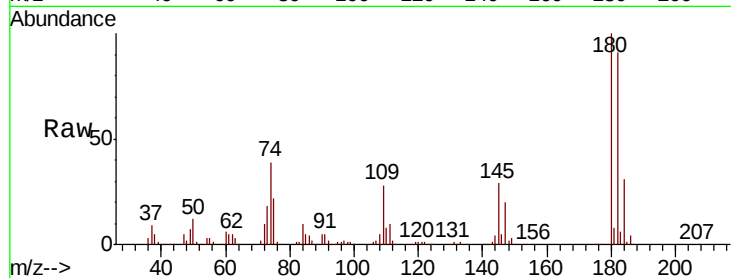
MSVOA_W

ClientSampleId :

VSTD025111

Tot Ion:180 Resp: 143897

Ion	Ratio	Lower	Upper
180	100		
182	97.6	73.4	110.2
184	30.8	23.6	35.4
145	31.9	24.9	37.3

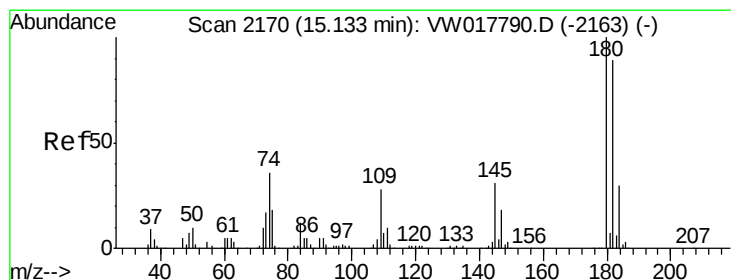
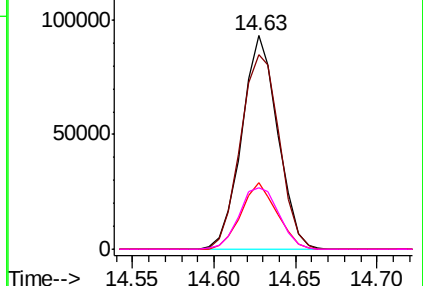
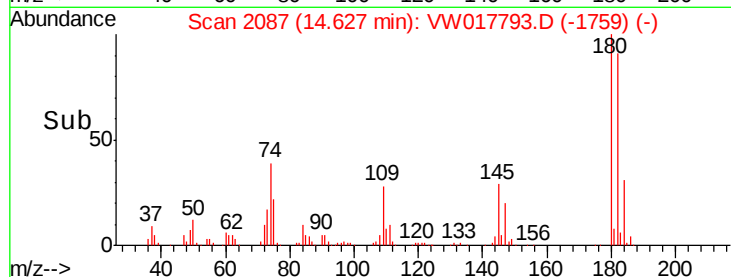


Abundance Ion 180.00 (179.70 to 180.70): V

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: 27.105 ug/L

RT: 15.13 min Scan# 2170

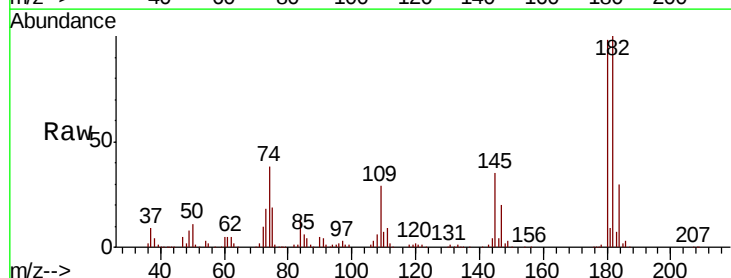
Delta R.T. -0.00 min

Lab File: VW017793.D

Acq: 05 Jan 2021 14:28

Tgt Ion:180 Resp: 125743

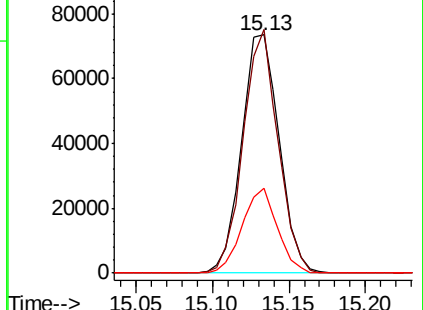
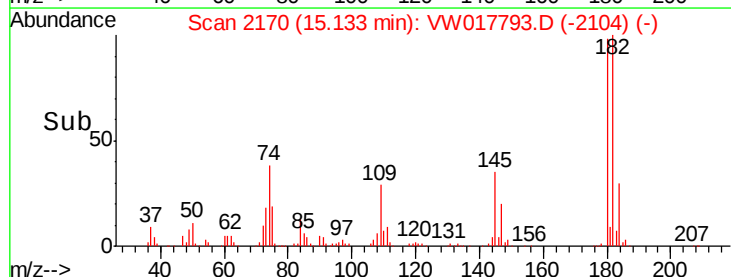
Ion	Ratio	Lower	Upper
180	100		
182	94.5	74.7	112.1
145	33.2	25.0	37.4

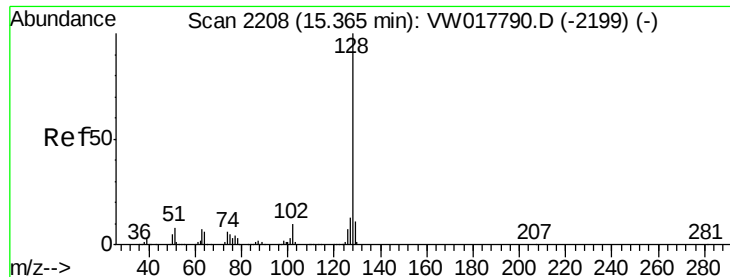


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

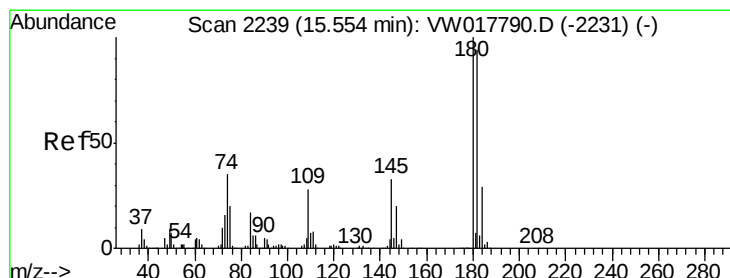
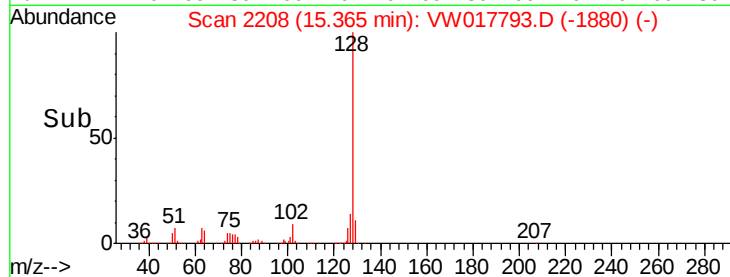
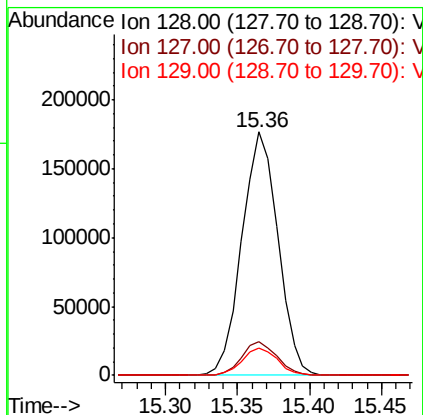
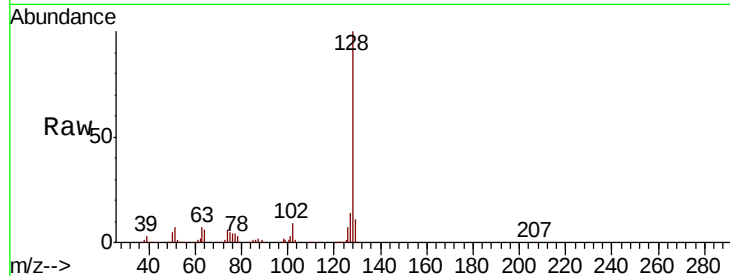




#71
Naphthalene
Concen: 28.686 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW017793.D
Acq: 05 Jan 2021 14:28

Instrument :
MSVOA_W
ClientSampleId :
VSTD025111

Tot Ion:128 Resp: 306660
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 11.1 9.0 13.6



#72
1,2,3-Trichlorobenzene
Concen: 27.975 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW017793.D
Acq: 05 Jan 2021 14:28

Tgt Ion:180 Resp: 114070
Ion Ratio Lower Upper
180 100
182 93.6 76.7 115.1
145 33.4 28.9 43.3

