

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060723\
 Data File : VW031388.D
 Acq On : 07 Jun 2023 10:28
 Operator : SY/MD
 Sample : VSTD00527
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005227

Quant Time: Jun 08 03:58:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 08 03:57:59 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	279229	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	279733	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	146769	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	11757	4.786	ug/L	0.00
7) Chloroethane-d5	1.532	69	9613	4.833	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	5561	4.776	ug/L	0.00
21) 2-Butanone-d5	3.835	46	11750	6.676	ug/L	0.04
24) Chloroform-d	4.253	84	21999	4.707	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	14410	4.596	ug/L	0.00
32) Benzene-d6	4.966	84	35937	4.351	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	13305	4.635	ug/L	0.00
41) Toluene-d8	7.252	98	31678	4.175	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	6333	4.380	ug/L	0.00
47) 2-Hexanone-d5	8.040	63	6605	6.127	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	16346	4.512	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	13064	4.798	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	6091	5.440	ug/L	97
3) Chloromethane	1.214	50	5350	5.888	ug/L	94
5) Vinyl chloride	1.282	62	5784	5.335	ug/L	95
6) Bromomethane	1.491	94	3792	5.819	ug/L	92
8) Chloroethane	1.552	64	4673	5.350	ug/L	92
9) Trichlorofluoromethane	1.716	101	14077	5.379	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	9171	5.419	ug/L	97
12) 1,1-Dichloroethene	2.069	96	6152	5.523	ug/L	87
13) Acetone	2.134	43	18922	11.913	ug/L	98
14) Carbon disulfide	2.243	76	6545	6.869	ug/L	96
15) Methyl Acetate	2.384	43	11457	4.777	ug/L	94
16) Methylene chloride	2.452	84	9614	5.717	ug/L	84
17) trans-1,2-Dichloroethene	2.700	96	5399	5.112	ug/L	95
18) Methyl tert-butyl Ether	2.706	73	30184	4.650	ug/L	94
19) 1,1-Dichloroethane	3.118	63	18732	5.127	ug/L	96
20) cis-1,2-Dichloroethene	3.825	96	8548	4.978	ug/L	97
22) 2-Butanone	3.912	43	14107	7.286	ug/L	94
23) Bromochloromethane	4.166	128	4857	5.379	ug/L #	75
25) Chloroform	4.282	83	21114	5.183	ug/L	94
27) 1,2-Dichloroethane	5.053	62	14088	4.736	ug/L #	94
29) Cyclohexane	4.590	56	6924	4.622	ug/L #	91
30) 1,1,1-Trichloroethane	4.516	97	16731	5.067	ug/L	96
31) Carbon tetrachloride	4.738	117	14615	5.328	ug/L	99
33) Benzene	5.018	78	28968	4.693	ug/L	100
34) Trichloroethene	5.841	95	10080	5.184	ug/L	87
35) Methylcyclohexane	6.053	83	7405	4.452	ug/L	96
37) 1,2-Dichloropropane	6.098	63	10577	4.761	ug/L #	93
38) Bromodichloromethane	6.442	83	16424	5.051	ug/L	98
39) cis-1,3-Dichloropropene	6.963	75	15401	4.640	ug/L	94
40) 4-Methyl-2-pentanone	7.169	43	32083	8.890	ug/L	94
42) Toluene	7.323	91	31279	4.527	ug/L	97
44) trans-1,3-Dichloropropene	7.590	75	14351	4.263	ug/L	95

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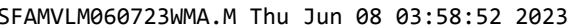
Quant Time: Jun 08 03:58:43 2023
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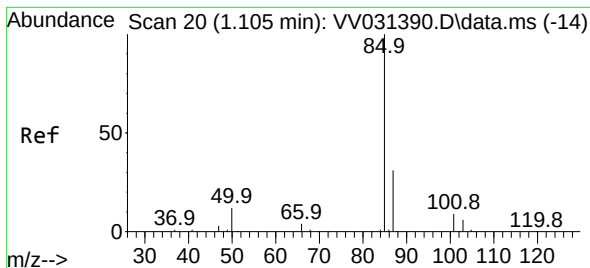
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.777	97	11578	5.042	ug/L	99
46) Tetrachloroethene	7.908	164	6395	5.066	ug/L	93
48) 2-Hexanone	8.092	43	24593	8.706	ug/L #	90
49) Dibromochloromethane	8.182	129	12217	4.877	ug/L	96
50) 1,2-Dibromoethane	8.291	107	10833	4.900	ug/L #	93
51) Chlorobenzene	8.818	112	26480	5.041	ug/L	97
52) Ethylbenzene	8.953	91	39003	4.536	ug/L	98
53) m,p-Xylene	9.079	106	14170	4.573	ug/L	90
54) o-Xylene	9.484	106	14176	4.535	ug/L	90
55) Styrene	9.503	104	23824	4.181	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.185	83	16289	4.627	ug/L #	86
59) Bromoform	9.670	173	10089	5.365	ug/L	94
60) Isopropylbenzene	9.873	105	39250	4.680	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	16334	5.498	ug/L	98
62) 1,3,5-Trimethylbenzene	10.481	105	30174	4.356	ug/L	95
63) 1,2,4-Trimethylbenzene	10.857	105	30617	4.416	ug/L	96
64) 1,3-Dichlorobenzene	11.124	146	22569	5.257	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	25288	5.569	ug/L	96
67) 1,2-Dichlorobenzene	11.590	146	23288	5.292	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.374	75	3742	4.752	ug/L	89
69) 1,3,5-Trichlorobenzene	12.590	180	17606	5.327	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	14501	5.143	ug/L	98
71) Naphthalene	13.448	128	43835	5.672	ug/L	99
72) 1,2,3-Trichlorobenzene	13.690	180	15010	5.311	ug/L	97

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

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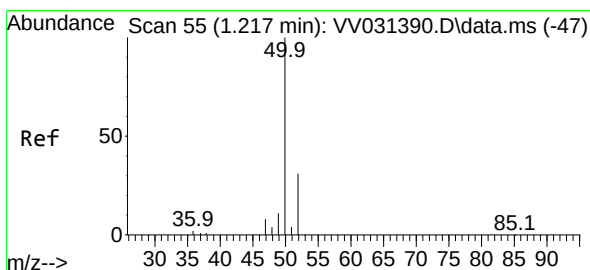
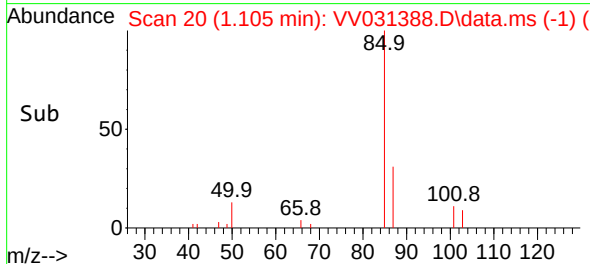
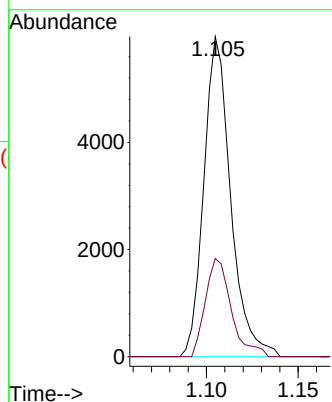
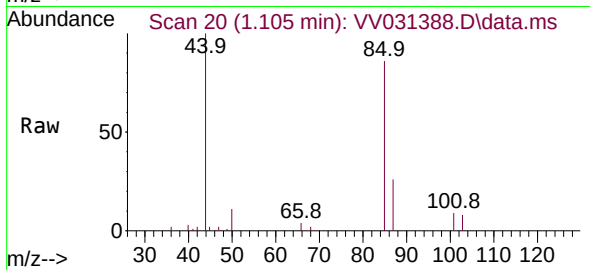




#2
 Dichlorodifluoromethane
 Concen: 5.440 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV031388.D
 Acq: 07 Jun 2023 10:28

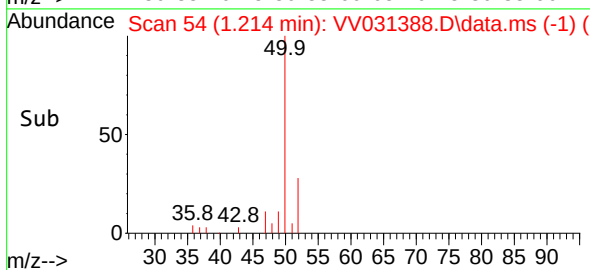
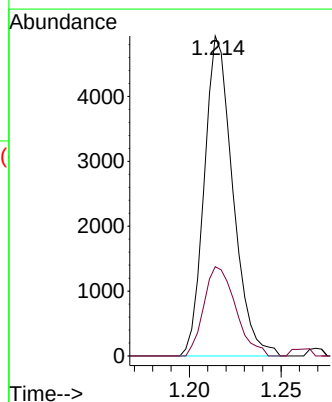
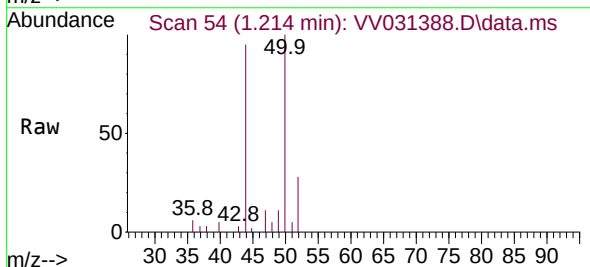
Instrument :
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 ClientSampleId :
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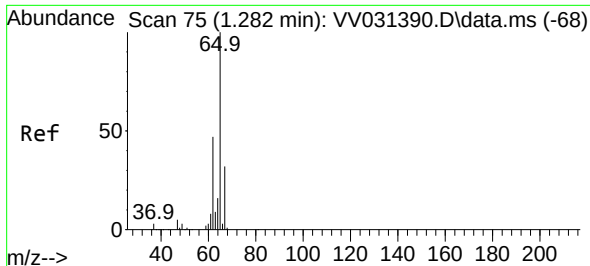
Tgt Ion: 85 Resp: 6091
 Ion Ratio Lower Upper
 85 100
 87 29.5 25.0 37.6



#3
 Chloromethane
 Concen: 5.888 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV031388.D
 Acq: 07 Jun 2023 10:28

Tgt Ion: 50 Resp: 5350
 Ion Ratio Lower Upper
 50 100
 52 27.9 21.9 40.7

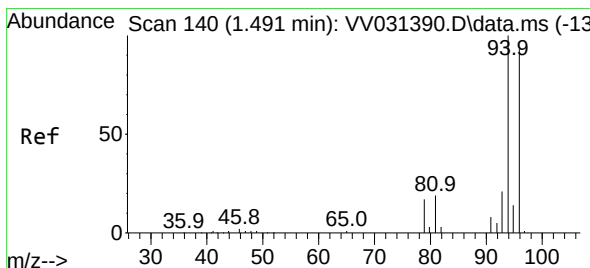
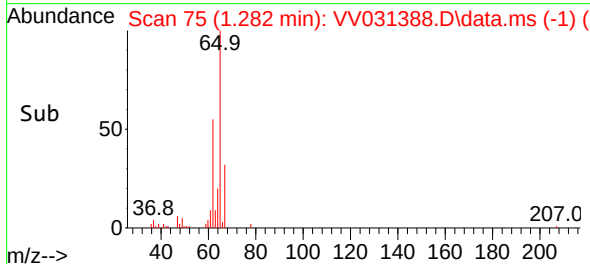
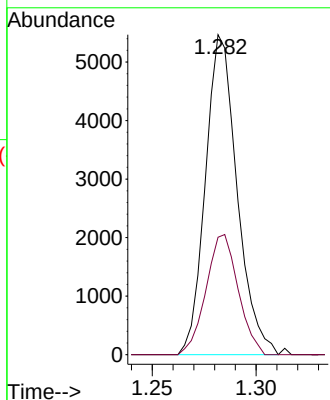
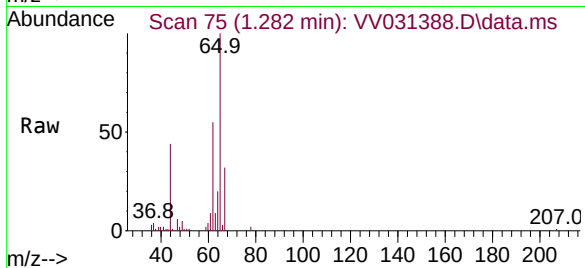




#5
 Vinyl chloride
 Concen: 5.335 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV031388.D
 Acq: 07 Jun 2023 10:28

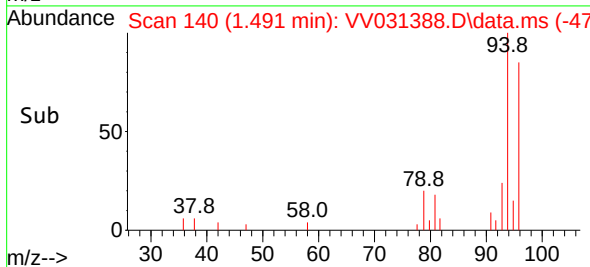
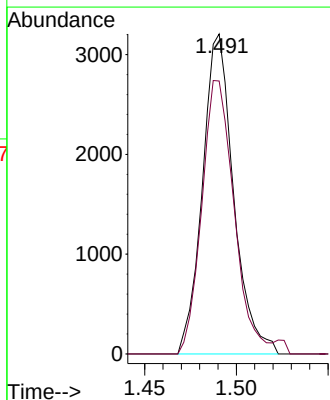
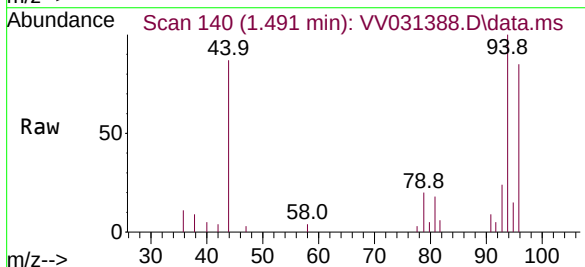
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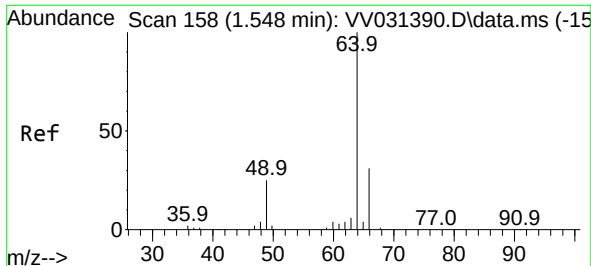
Tgt Ion: 62 Resp: 5784
 Ion Ratio Lower Upper
 62 100
 64 36.7 23.7 43.9



#6
 Bromomethane
 Concen: 5.819 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV031388.D
 Acq: 07 Jun 2023 10:28

Tgt Ion: 94 Resp: 3792
 Ion Ratio Lower Upper
 94 100
 96 85.3 65.4 121.4

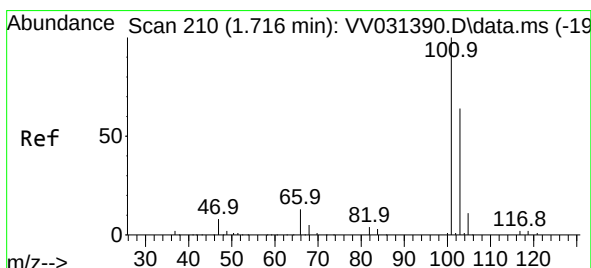
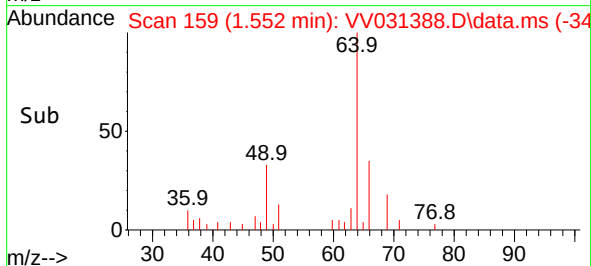
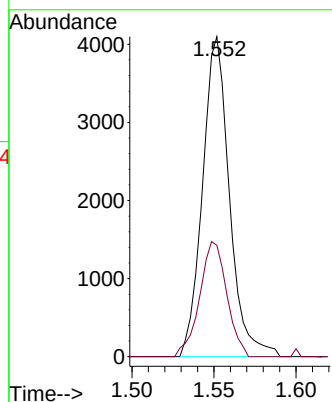
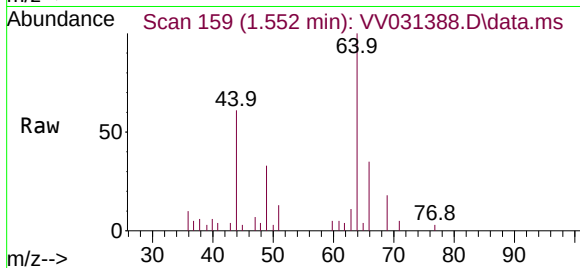




#8
Chloroethane
Concen: 5.350 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

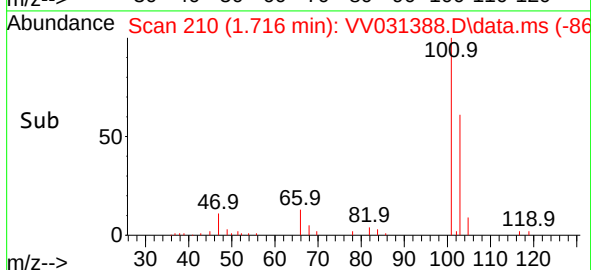
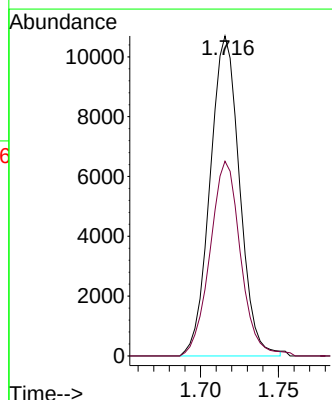
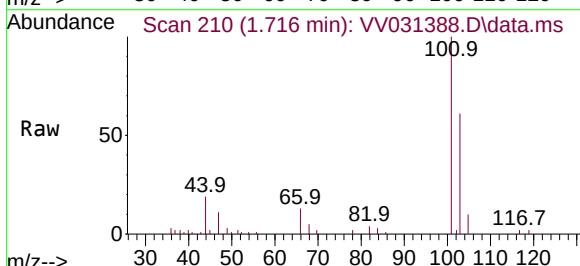
Instrument :
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ClientSampleId :
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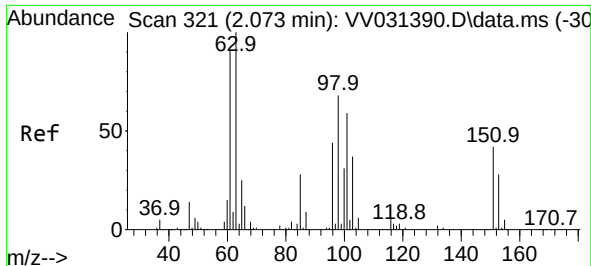
Tgt Ion: 64 Resp: 4673
Ion Ratio Lower Upper
64 100
66 34.8 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.379 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

Tgt Ion:101 Resp: 14077
Ion Ratio Lower Upper
101 100
103 63.0 51.8 77.6

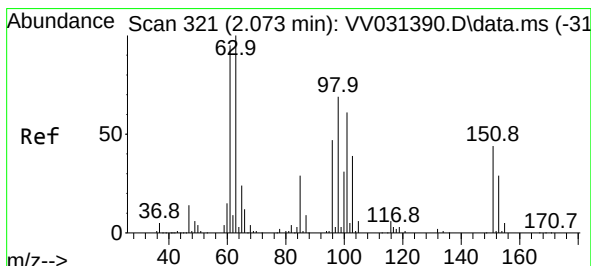
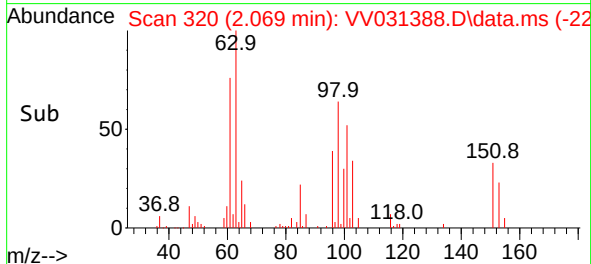
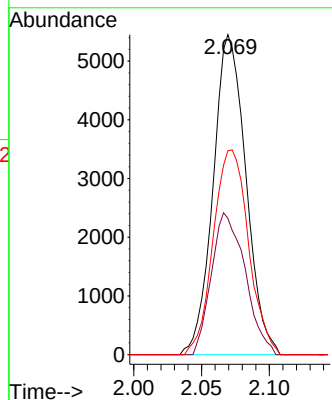
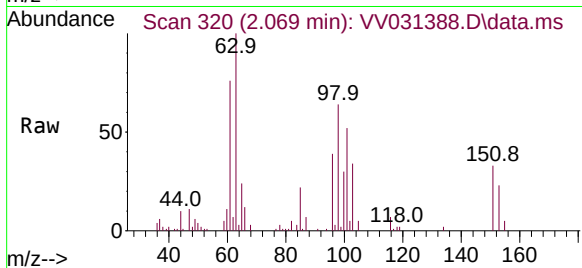




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.419 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV031388.D
 Acq: 07 Jun 2023 10:28

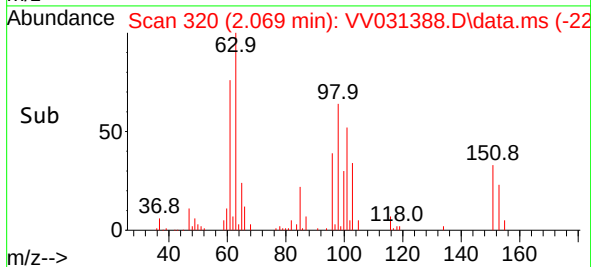
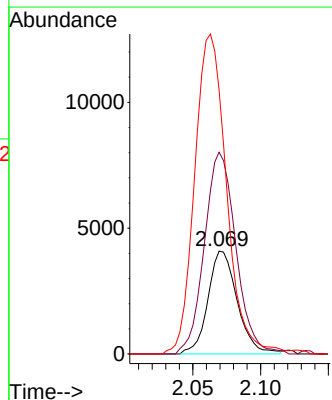
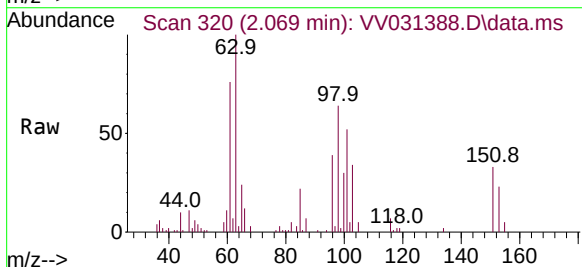
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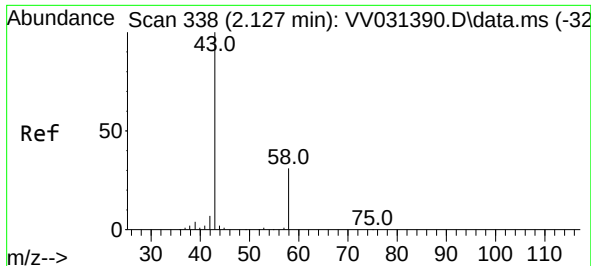
Tgt Ion:101 Resp: 9171
 Ion Ratio Lower Upper
 101 100
 85 45.5 37.3 55.9
 151 68.8 57.8 86.6



#12
 1,1-Dichloroethene
 Concen: 5.523 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.003 min
 Lab File: VV031388.D
 Acq: 07 Jun 2023 10:28

Tgt Ion: 96 Resp: 6152
 Ion Ratio Lower Upper
 96 100
 61 196.3 143.9 267.3
 63 256.9 158.3 293.9





#13

Acetone

Concen: 11.913 ug/L

RT: 2.134 min Scan# 340

Delta R.T. 0.007 min

Lab File: VV031388.D

Acq: 07 Jun 2023 10:28

Instrument :

MSVOA_V

ClientSampleId :

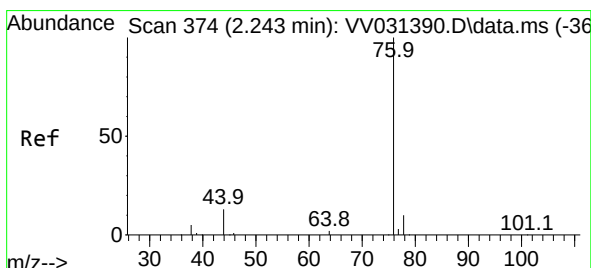
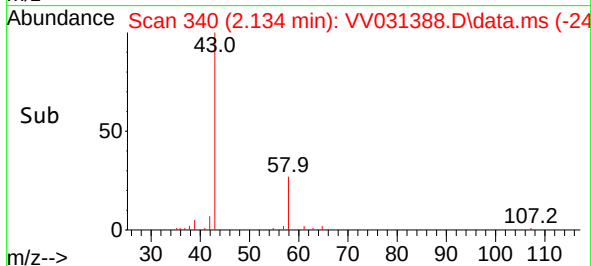
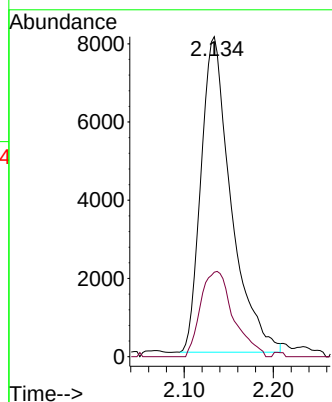
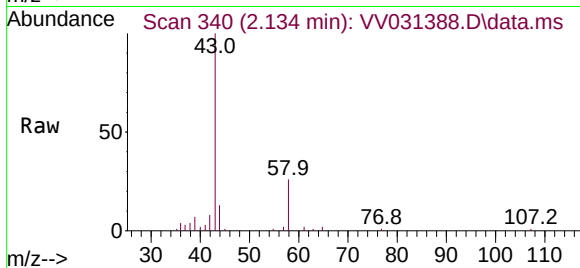
VSTD005227

Tgt Ion: 43 Resp: 18922

Ion Ratio Lower Upper

43 100

58 29.4 0.0 61.0



#14

Carbon disulfide

Concen: 6.869 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV031388.D

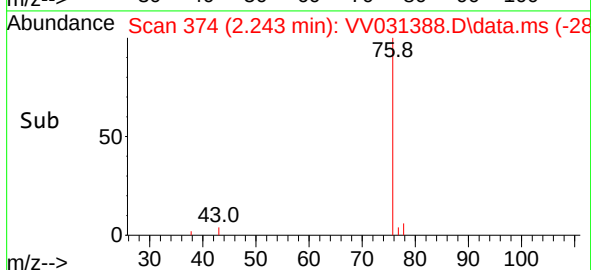
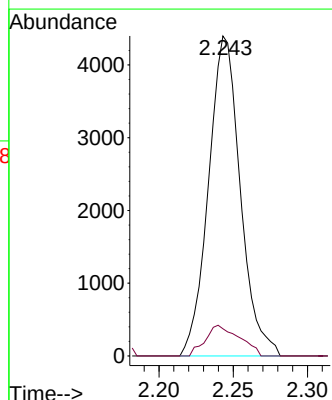
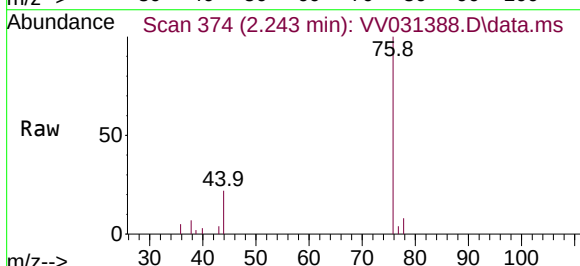
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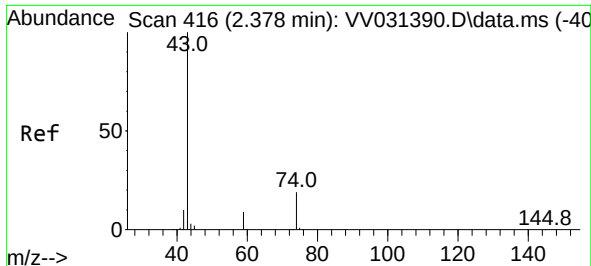
Tgt Ion: 76 Resp: 6545

Ion Ratio Lower Upper

76 100

78 8.5 7.9 11.9

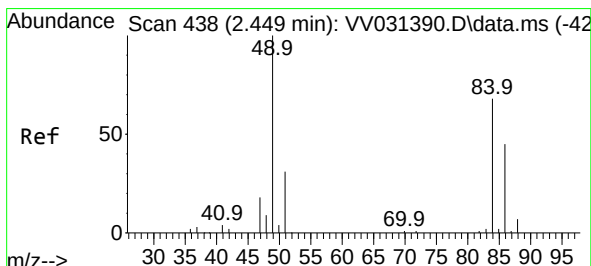
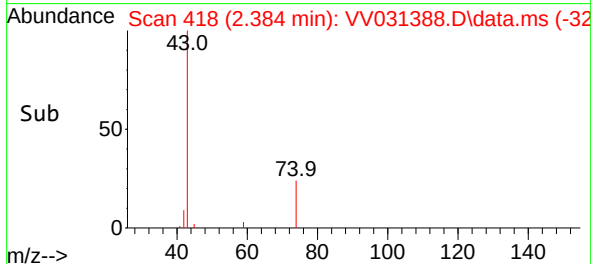
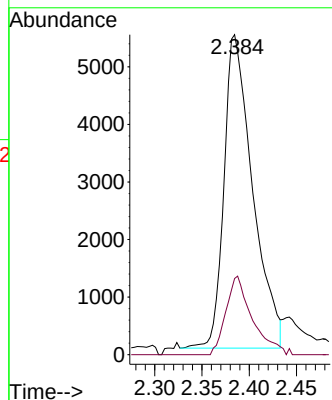
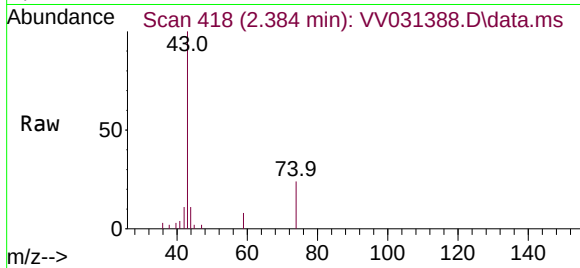




#15
Methyl Acetate
Concen: 4.777 ug/L
RT: 2.384 min Scan# 416
Delta R.T. 0.006 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

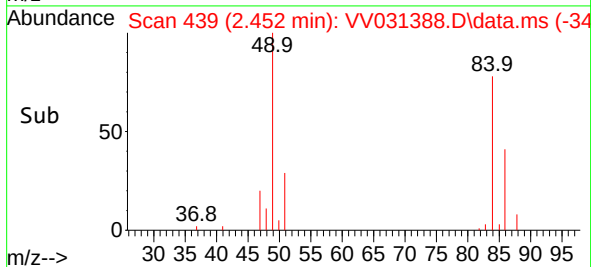
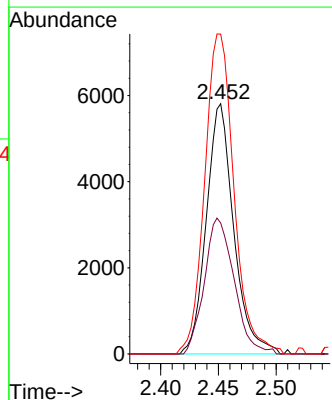
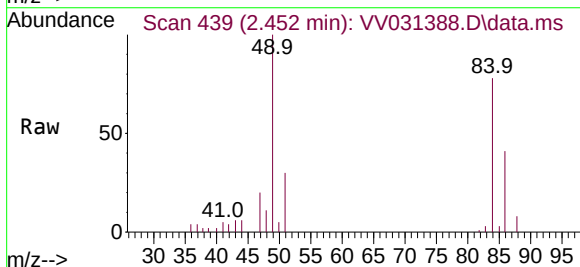
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ClientSampleId :
VSTD005227

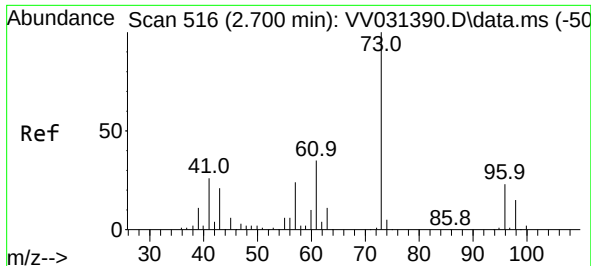
Tgt Ion: 43 Resp: 11457
Ion Ratio Lower Upper
43 100
74 22.9 16.0 24.0



#16
Methylene chloride
Concen: 5.717 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.003 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

Tgt Ion: 84 Resp: 9614
Ion Ratio Lower Upper
84 100
86 52.4 46.1 85.5
49 127.9 102.7 190.7





#17

trans-1,2-Dichloroethene

Concen: 5.112 ug/L

RT: 2.700 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV031388.D

Acq: 07 Jun 2023 10:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD005227

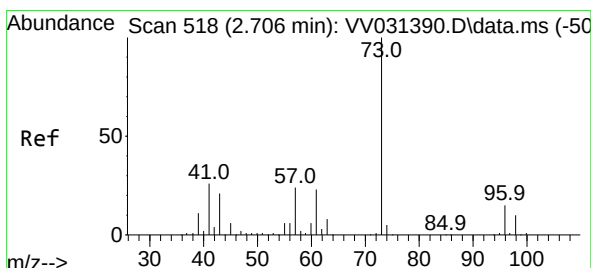
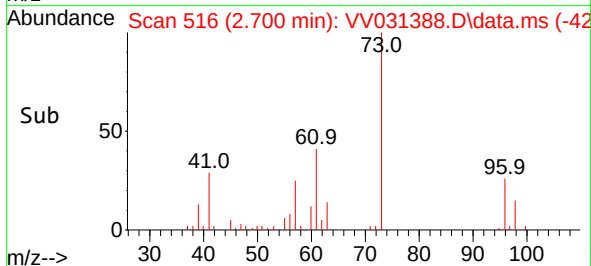
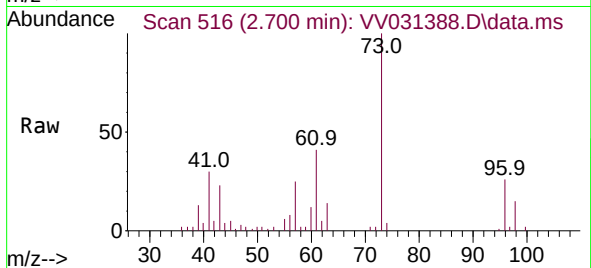
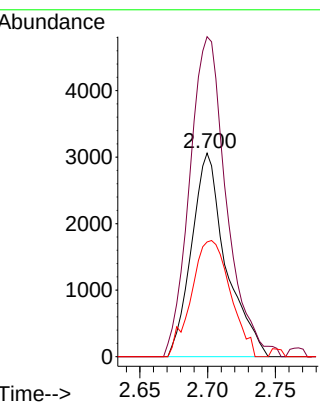
Tgt Ion: 96 Resp: 5399

Ion Ratio Lower Upper

96 100

61 157.3 106.9

98 56.4 44.9



#18

Methyl tert-butyl Ether

Concen: 4.650 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV031388.D

Acq: 07 Jun 2023 10:28

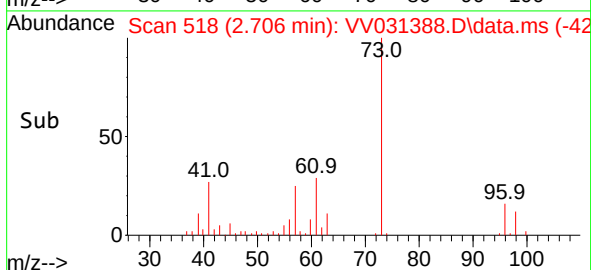
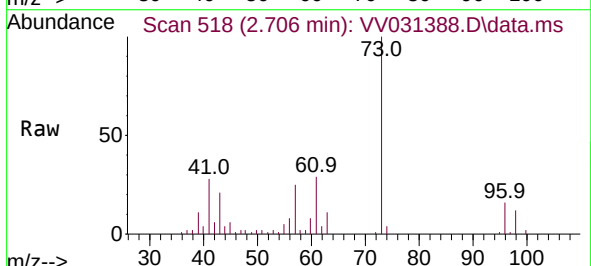
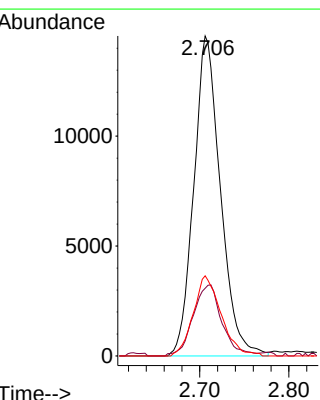
Tgt Ion: 73 Resp: 30184

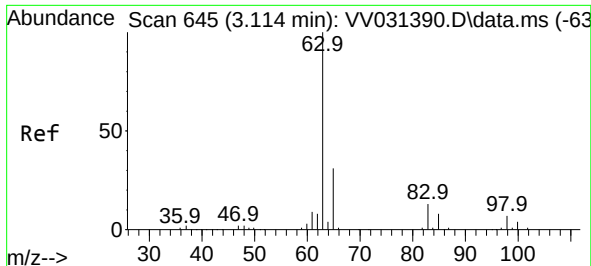
Ion Ratio Lower Upper

73 100

43 24.0 16.6

57 26.1 18.6

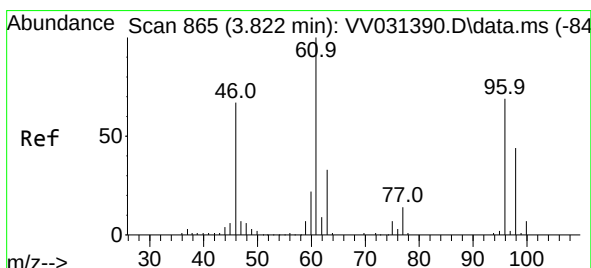
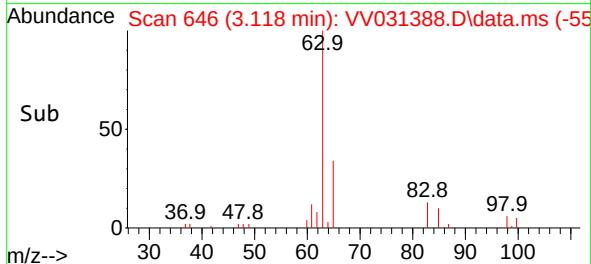
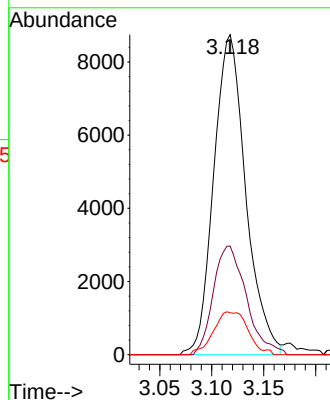
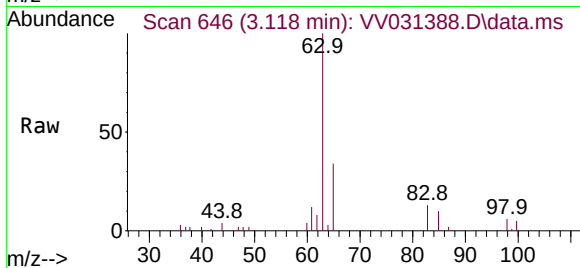




#19
1,1-Dichloroethane
Concen: 5.127 ug/L
RT: 3.118 min Scan# 645
Delta R.T. 0.003 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

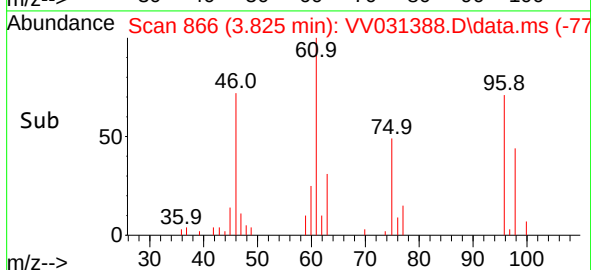
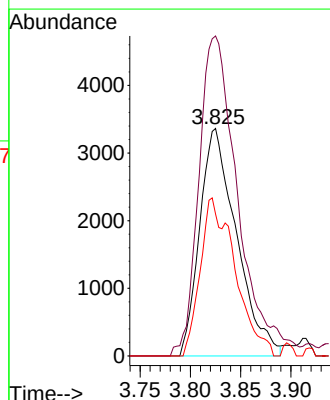
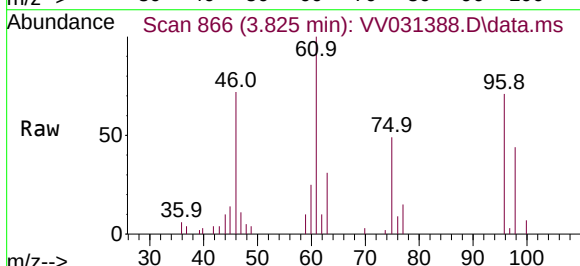
Instrument :
MSVOA_V
ClientSampleId :
VSTD005227

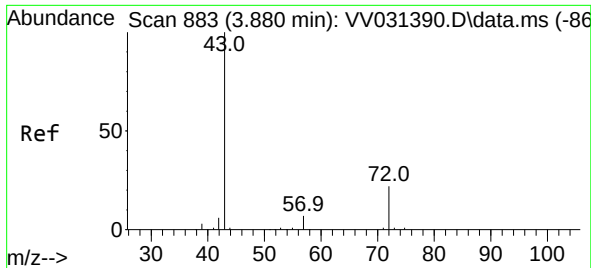
Tgt Ion: 63	Resp: 18732
Ion Ratio	Lower Upper
63	100
65	34.0 21.4 39.8
83	13.1 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 4.978 ug/L
RT: 3.825 min Scan# 866
Delta R.T. 0.003 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

Tgt Ion: 96	Resp: 8548
Ion Ratio	Lower Upper
96	100
61	140.7 101.6 188.6
98	62.4 44.4 82.4

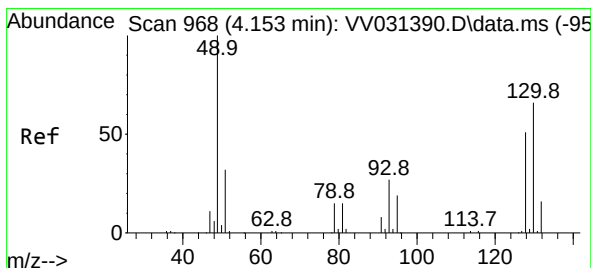
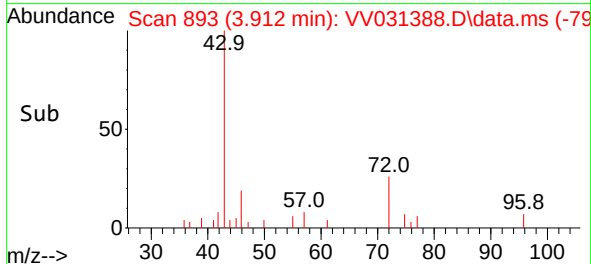
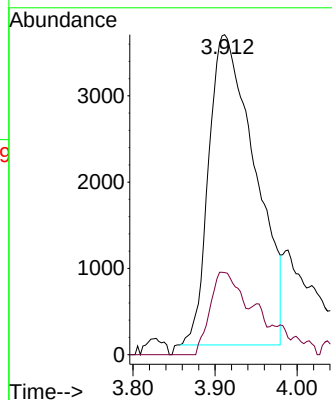
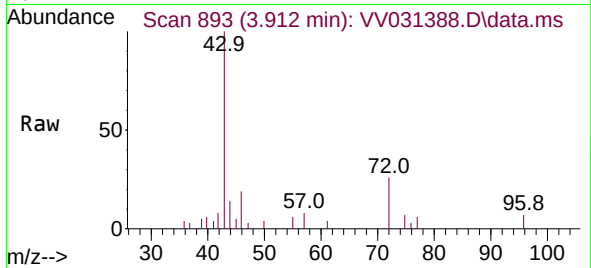




#22
2-Butanone
Concen: 7.286 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.032 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

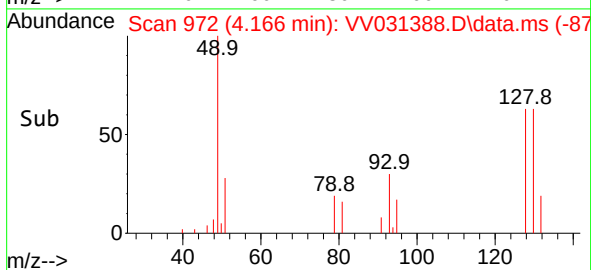
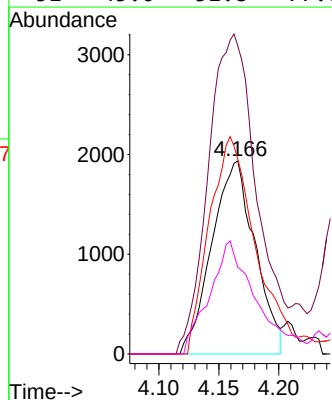
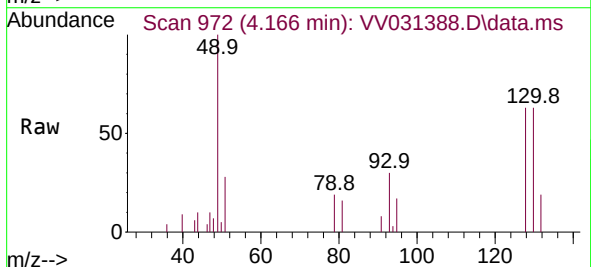
Instrument :
MSVOA_V
ClientSampleId :
VSTD005227

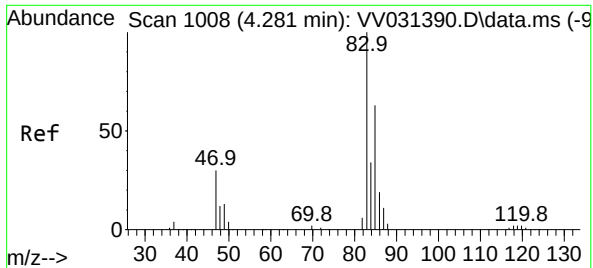
Tgt Ion: 43 Resp: 14107
Ion Ratio Lower Upper
43 100
72 18.0 10.4 31.4



#23
Bromochloromethane
Concen: 5.379 ug/L
RT: 4.166 min Scan# 972
Delta R.T. 0.013 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

Tgt Ion: 128 Resp: 4857
Ion Ratio Lower Upper
128 100
49 159.8 138.2 256.6
130 101.0 91.4 169.8
51 45.0 51.8 77.6#

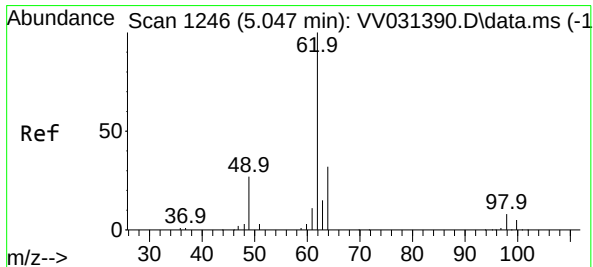
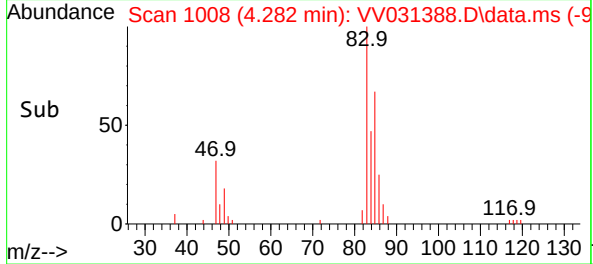
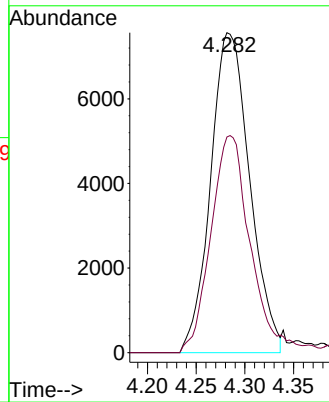
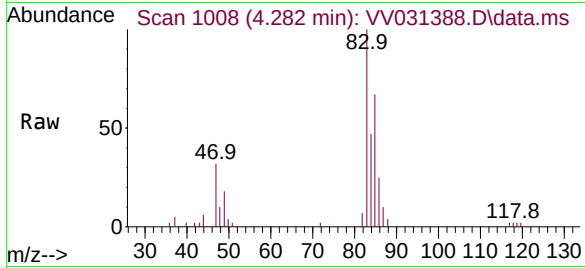




#25
Chloroform
Concen: 5.183 ug/L
RT: 4.282 min Scan# 1008
Delta R.T. 0.000 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

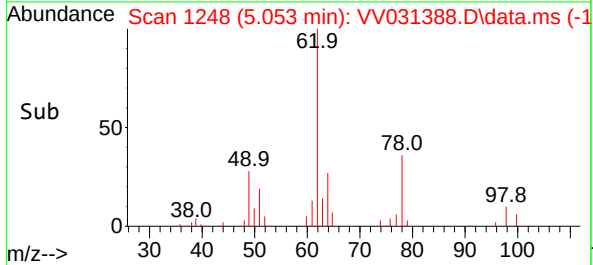
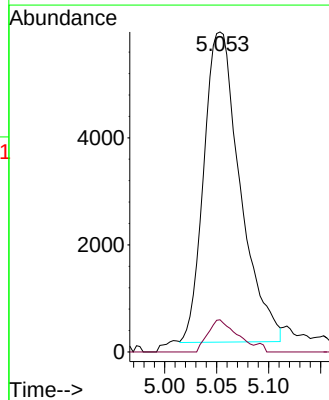
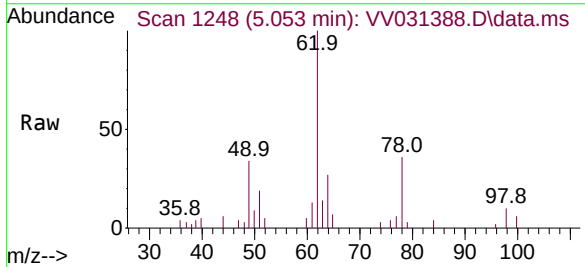
Instrument :
MSVOA_V
ClientSampleId :
VSTD005227

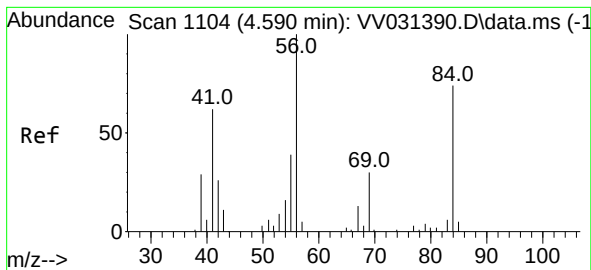
Tgt Ion: 83 Resp: 21114
Ion Ratio Lower Upper
83 100
85 67.4 43.9 81.5



#27
1,2-Dichloroethane
Concen: 4.736 ug/L
RT: 5.053 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

Tgt Ion: 62 Resp: 14088
Ion Ratio Lower Upper
62 100
98 10.1 6.2 9.4#





#29

Cyclohexane

Concen: 4.622 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VV031388.D

Acq: 07 Jun 2023 10:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD005227

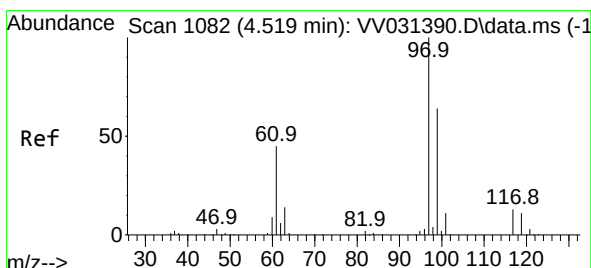
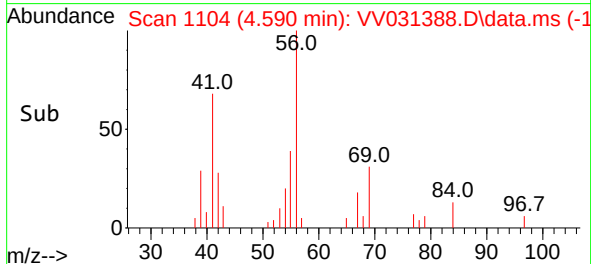
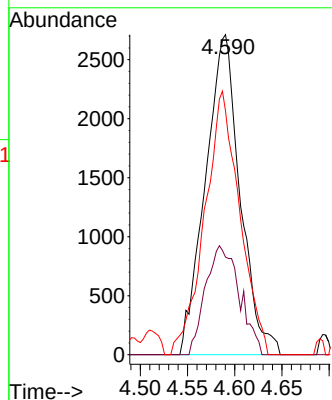
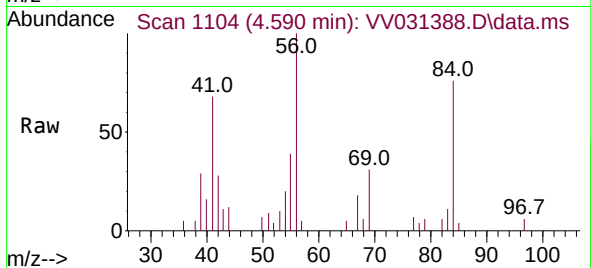
Tgt Ion: 56 Resp: 6924

Ion Ratio Lower Upper

56 100

69 22.0 23.5 35.3#

84 82.8 61.3 91.9



#30

1,1,1-Trichloroethane

Concen: 5.067 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. -0.003 min

Lab File: VV031388.D

Acq: 07 Jun 2023 10:28

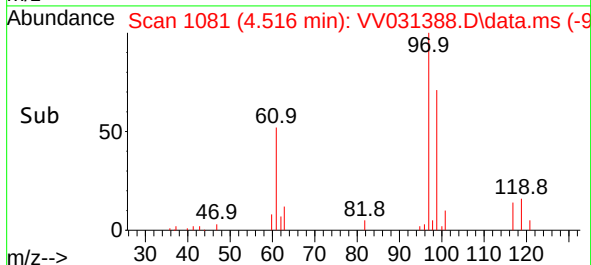
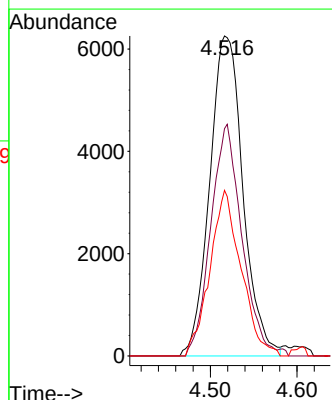
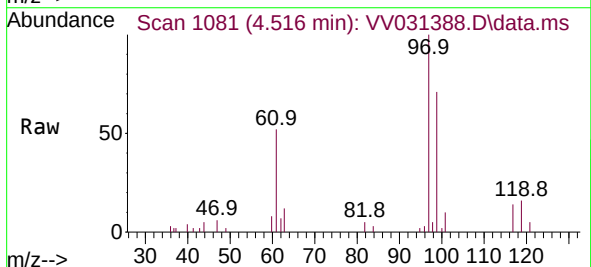
Tgt Ion: 97 Resp: 16731

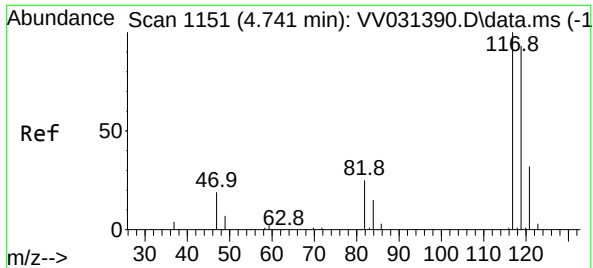
Ion Ratio Lower Upper

97 100

99 67.4 51.9 77.9

61 48.4 36.1 54.1

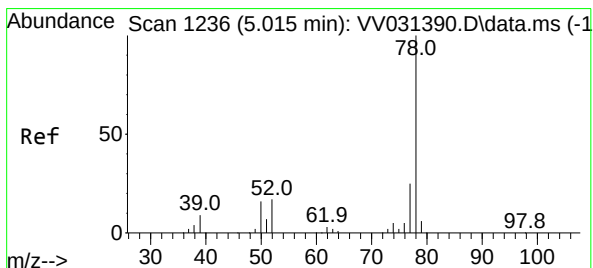
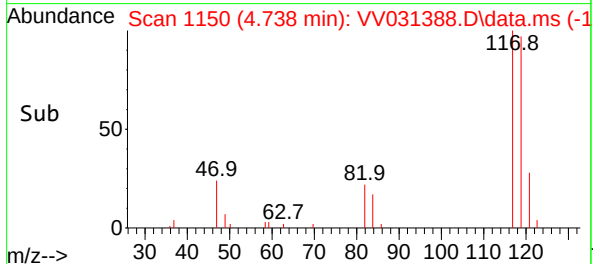
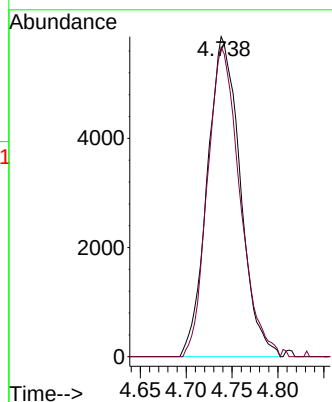
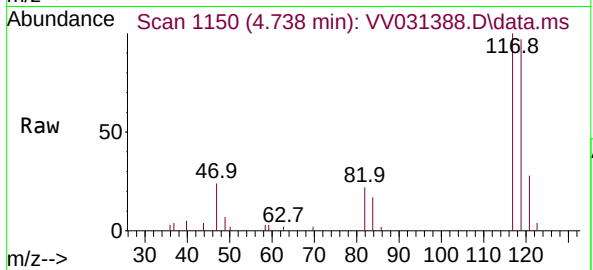




#31
Carbon tetrachloride
Concen: 5.328 ug/L
RT: 4.738 min Scan# 1151
Delta R.T. -0.003 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

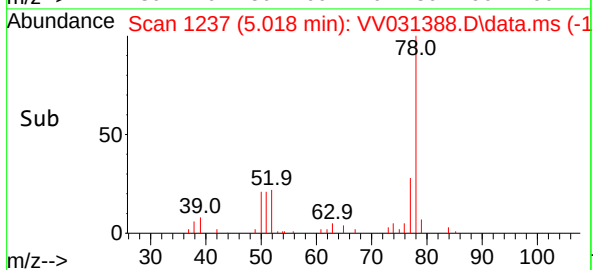
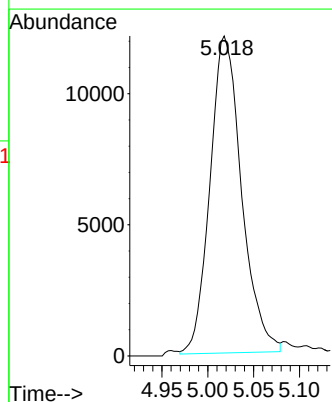
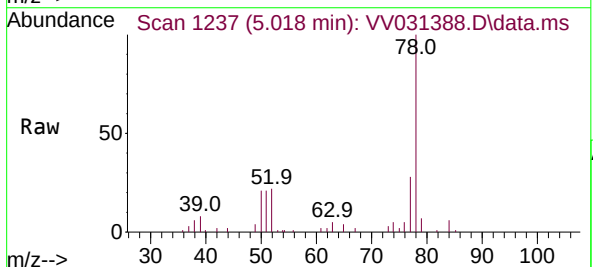
Instrument :
MSVOA_V
ClientSampleId :
VSTD005227

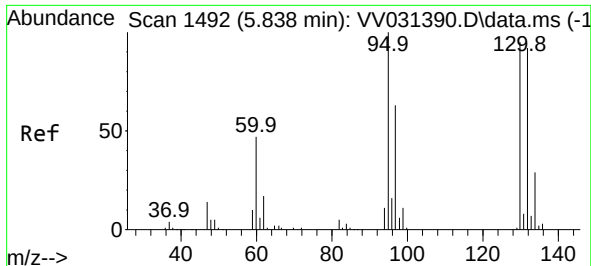
Tgt Ion:117 Resp: 14615
Ion Ratio Lower Upper
117 100
119 95.3 75.8 113.6



#33
Benzene
Concen: 4.693 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.003 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

Tgt Ion: 78 Resp: 28968



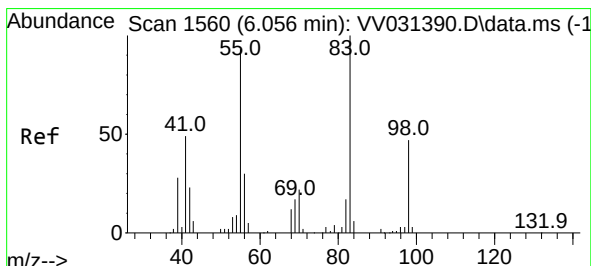
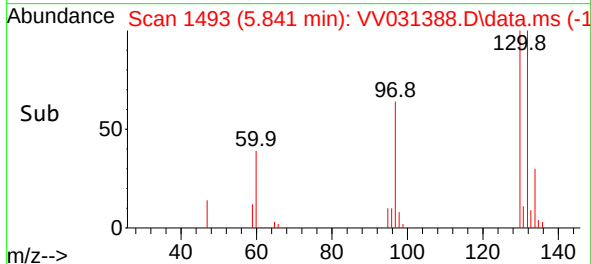
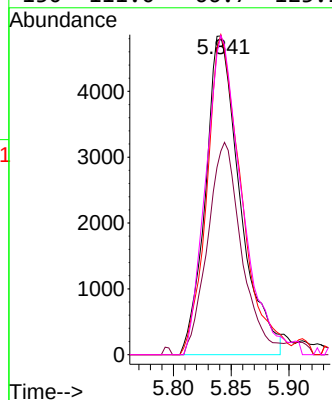
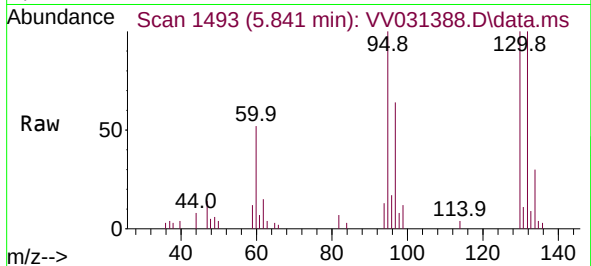


#34
Trichloroethene
Concen: 5.184 ug/L
RT: 5.841 min Scan# 1492
Delta R.T. 0.003 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD005227

Tgt Ion: 95 Resp: 10080

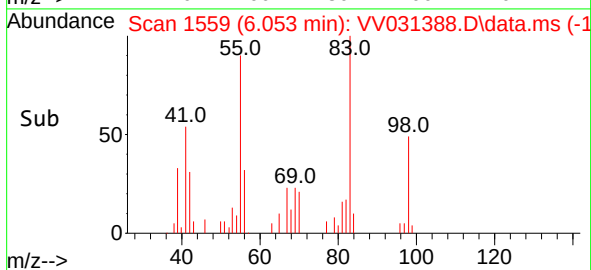
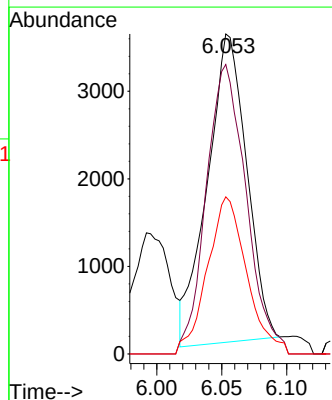
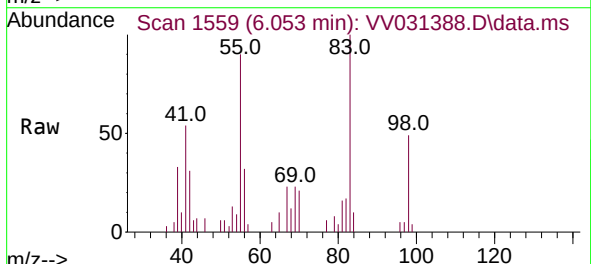
Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.2	82.0
132	109.6	64.2	119.2
130	111.0	66.7	123.9

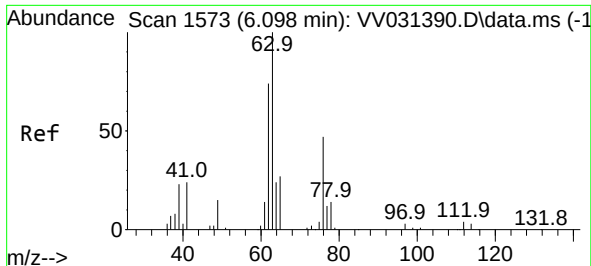


#35
Methylcyclohexane
Concen: 4.452 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. -0.003 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

Tgt Ion: 83 Resp: 7405

Ion	Ratio	Lower	Upper
83	100		
55	95.3	73.9	110.9
98	50.5	37.0	55.4





#37

1,2-Dichloropropane

Concen: 4.761 ug/L

RT: 6.098 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV031388.D

Acq: 07 Jun 2023 10:28

Instrument :

MSVOA_V

ClientSampleId :

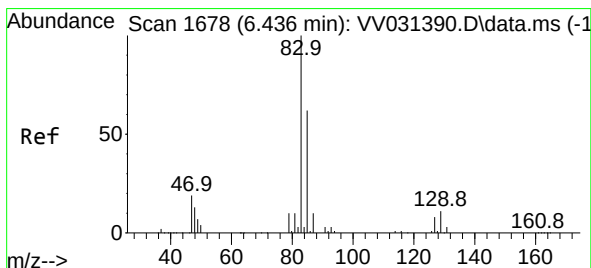
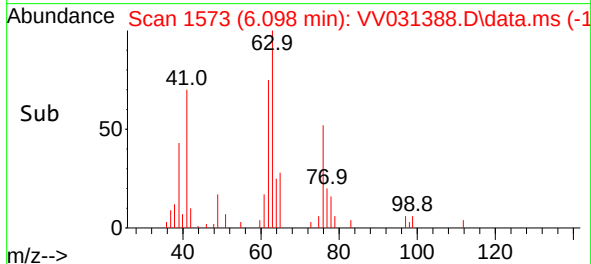
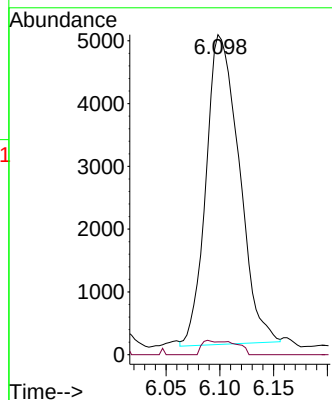
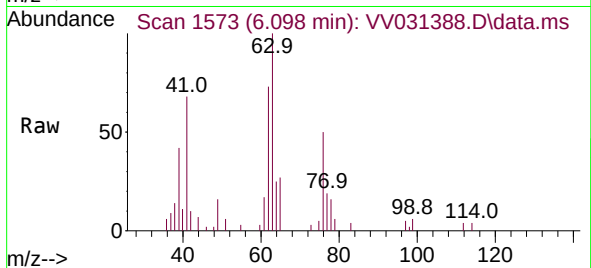
VSTD005227

Tgt Ion: 63 Resp: 10577

Ion Ratio Lower Upper

63 100

112 1.8 3.3 4.9#



#38

Bromodichloromethane

Concen: 5.051 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.006 min

Lab File: VV031388.D

Acq: 07 Jun 2023 10:28

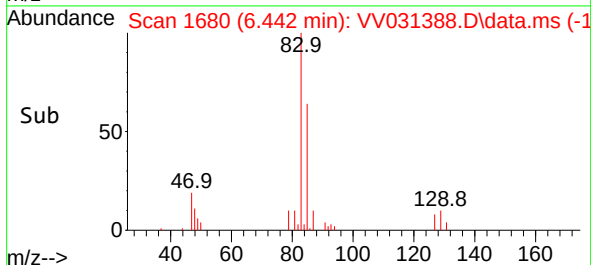
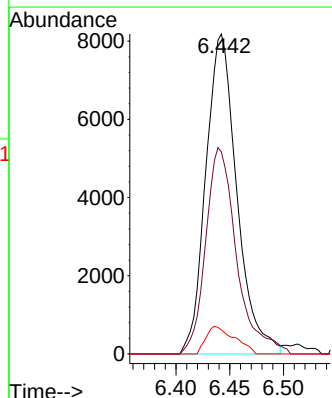
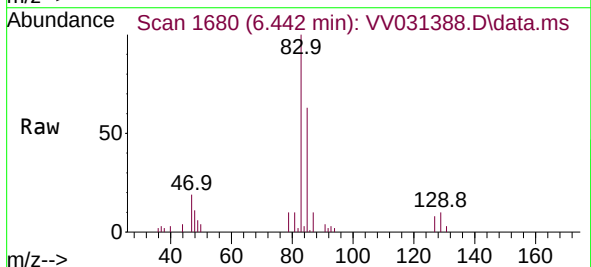
Tgt Ion: 83 Resp: 16424

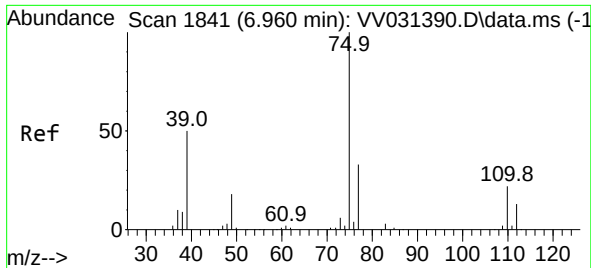
Ion Ratio Lower Upper

83 100

85 63.2 43.2 80.2

127 7.6 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.640 ug/L

RT: 6.963 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV031388.D

Acq: 07 Jun 2023 10:28

Instrument :

MSVOA_V

ClientSampleId :

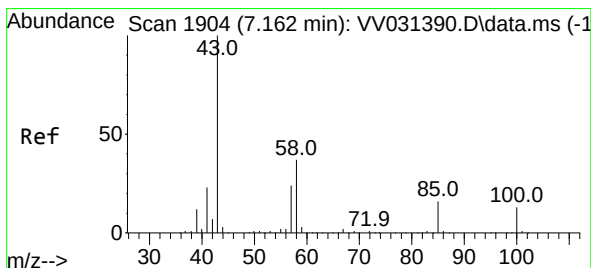
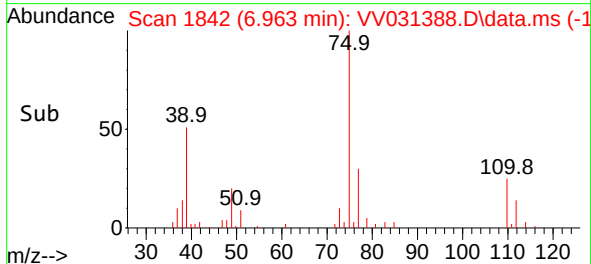
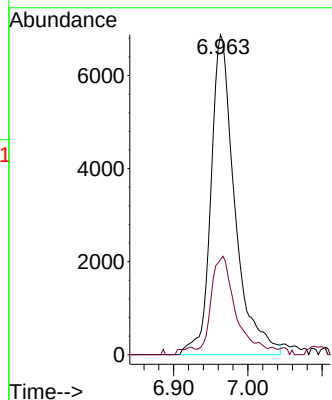
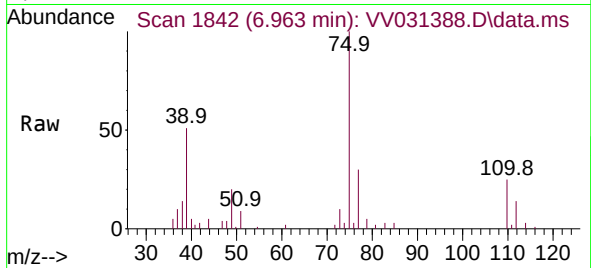
VSTD005227

Tgt Ion: 75 Resp: 15401

Ion Ratio Lower Upper

75 100

77 29.7 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 8.890 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.007 min

Lab File: VV031388.D

Acq: 07 Jun 2023 10:28

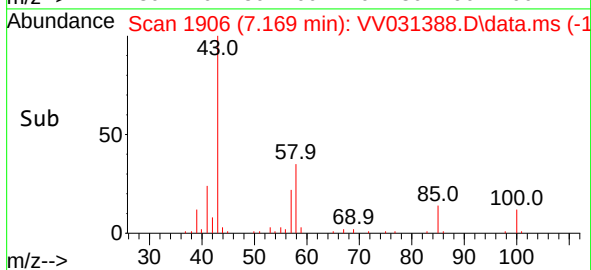
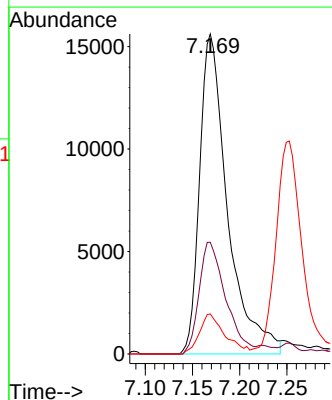
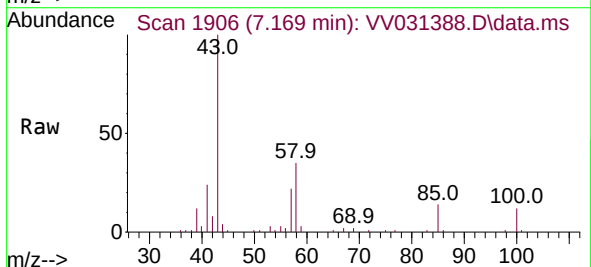
Tgt Ion: 43 Resp: 32083

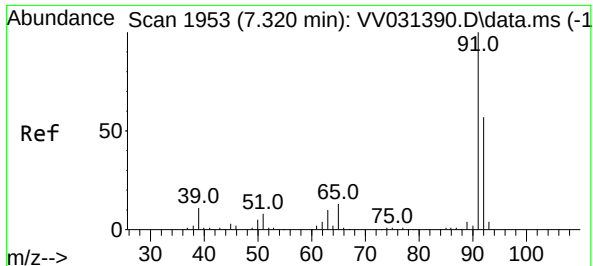
Ion Ratio Lower Upper

43 100

58 33.3 29.9 44.9

100 11.2 10.3 15.5





#42

Toluene

Concen: 4.527 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV031388.D

Acq: 07 Jun 2023 10:28

Instrument :

MSVOA_V

ClientSampleId :

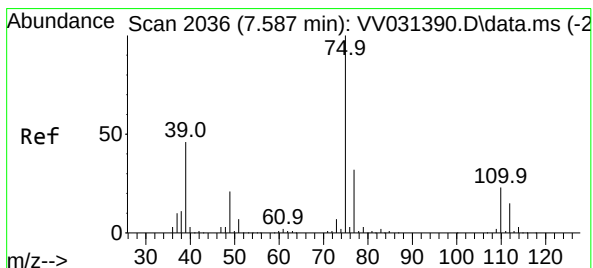
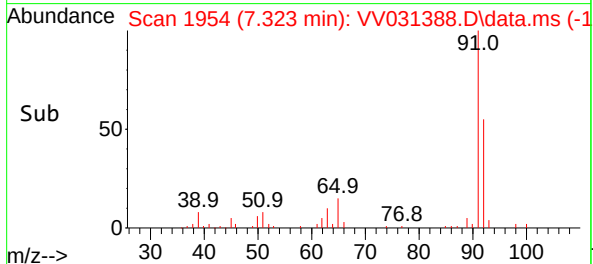
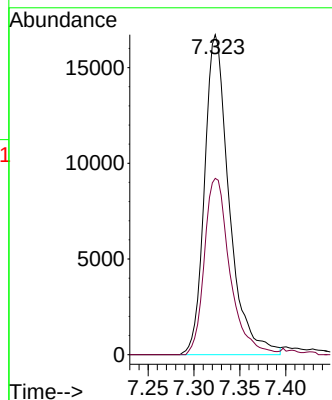
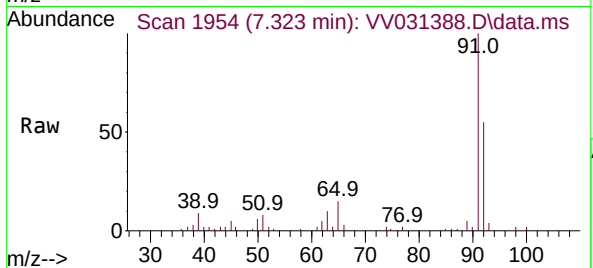
VSTD005227

Tgt Ion: 91 Resp: 31279

Ion Ratio Lower Upper

91 100

92 55.1 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 4.263 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.003 min

Lab File: VV031388.D

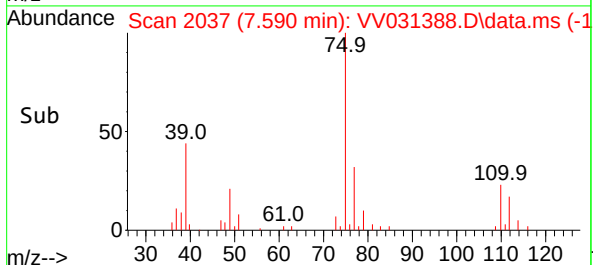
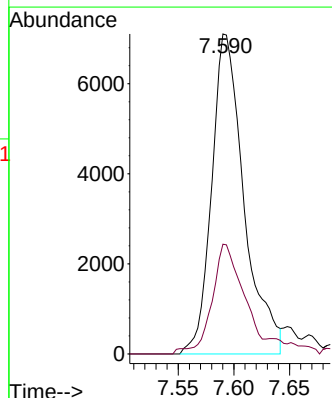
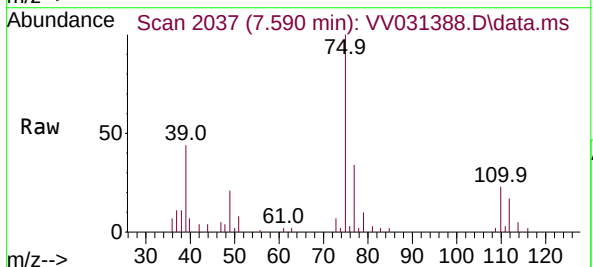
Acq: 07 Jun 2023 10:28

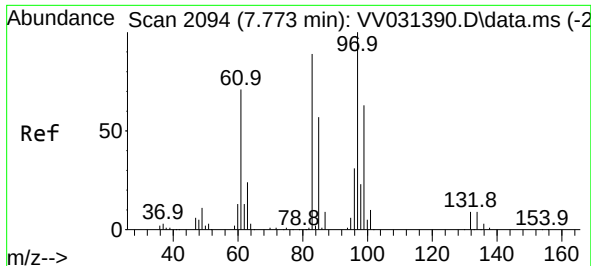
Tgt Ion: 75 Resp: 14351

Ion Ratio Lower Upper

75 100

77 34.3 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 5.042 ug/L

RT: 7.777 min Scan# 2094

Delta R.T. 0.003 min

Lab File: VV031388.D

Acq: 07 Jun 2023 10:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD005227

Tgt Ion: 97 Resp: 11578

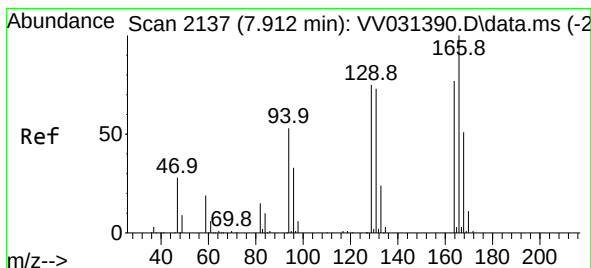
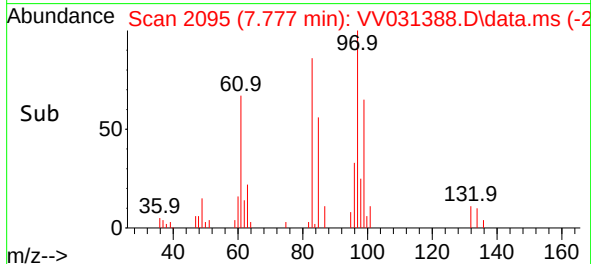
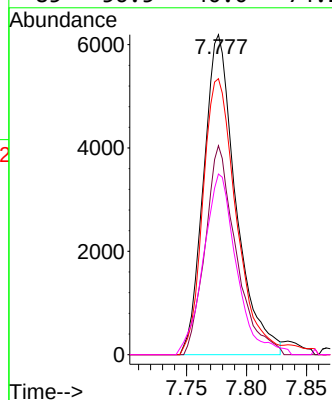
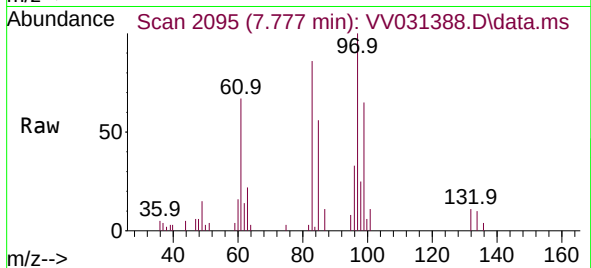
Ion Ratio Lower Upper

97 100

99 65.3 43.8 81.4

83 88.5 61.9 115.1

85 56.5 40.0 74.2



#46

Tetrachloroethene

Concen: 5.066 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VV031388.D

Acq: 07 Jun 2023 10:28

Tgt Ion:164 Resp: 6395

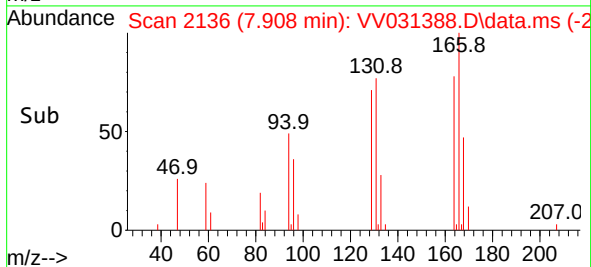
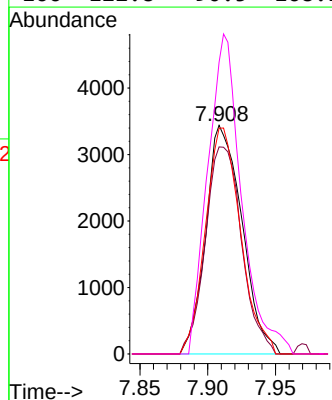
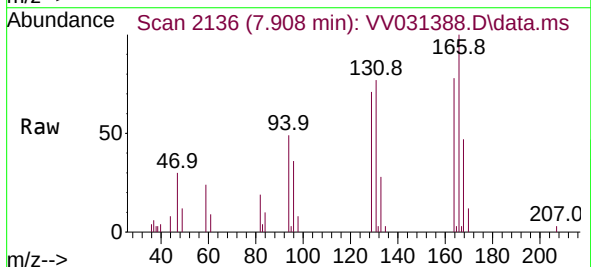
Ion Ratio Lower Upper

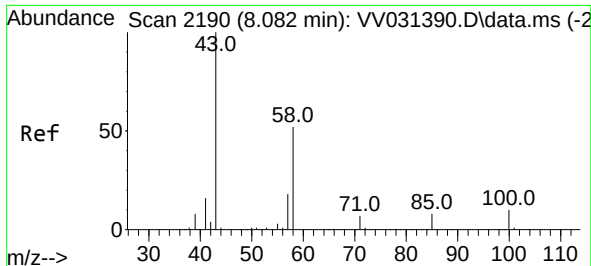
164 100

129 87.2 68.0 126.4

131 98.3 65.5 121.7

166 122.8 90.5 168.1

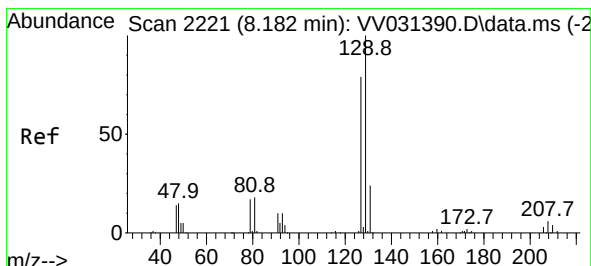
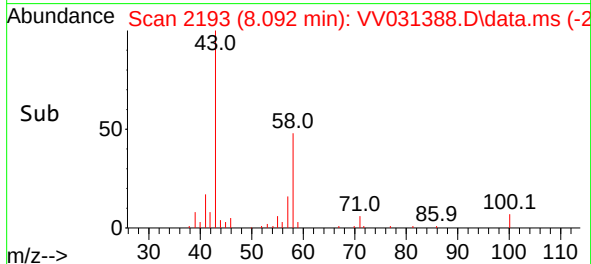
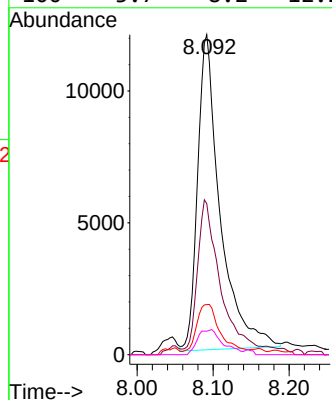
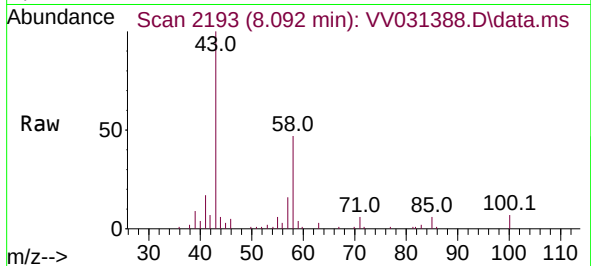




#48
2-Hexanone
Concen: 8.706 ug/L
RT: 8.092 min Scan# 2190
Delta R.T. 0.010 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

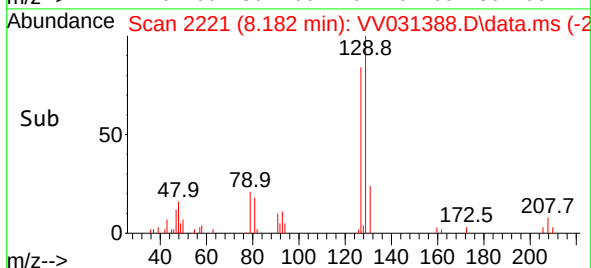
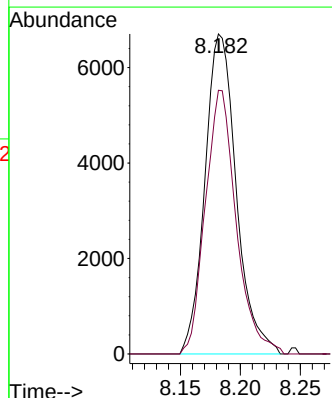
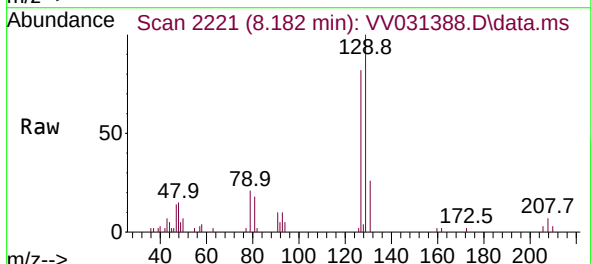
Instrument :
MSVOA_V
ClientSampleId :
VSTD005227

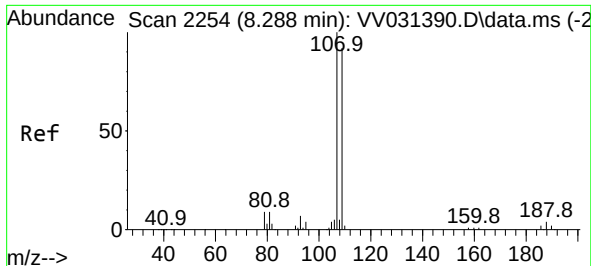
Tgt Ion: 43 Resp: 24593
Ion Ratio Lower Upper
43 100
58 46.9 42.9 64.3
57 15.5 14.6 22.0
100 3.7 8.2 12.2#



#49
Dibromochloromethane
Concen: 4.877 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

Tgt Ion: 129 Resp: 12217
Ion Ratio Lower Upper
129 100
127 82.4 55.5 103.1





#50

1,2-Dibromoethane

Concen: 4.900 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031388.D

Acq: 07 Jun 2023 10:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD005227

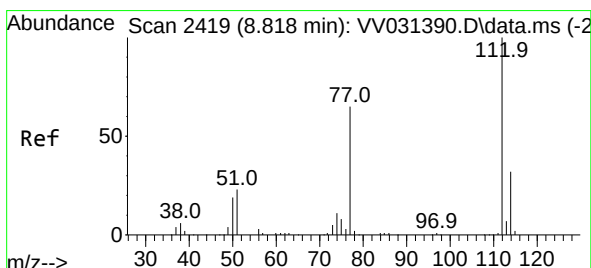
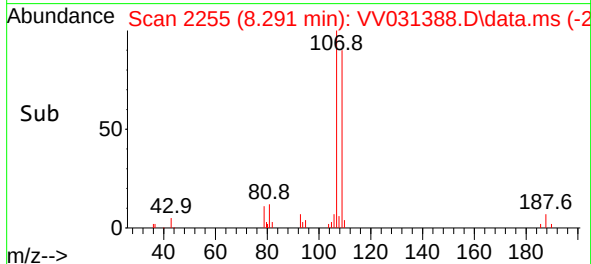
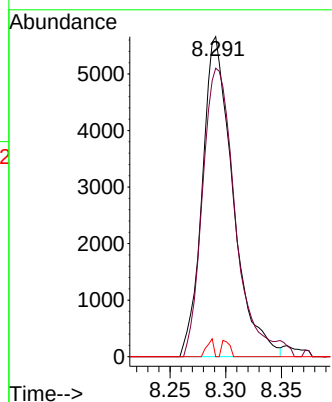
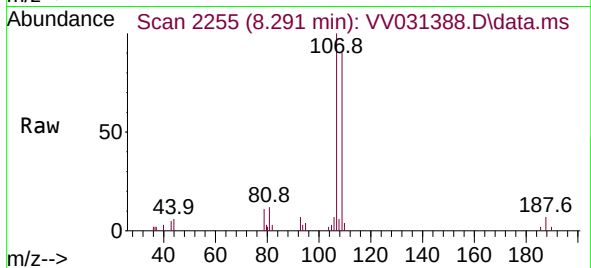
Tgt Ion:107 Resp: 10833

Ion Ratio Lower Upper

107 100

109 85.4 64.1 119.1

188 0.0 3.3 4.9#



#51

Chlorobenzene

Concen: 5.041 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.000 min

Lab File: VV031388.D

Acq: 07 Jun 2023 10:28

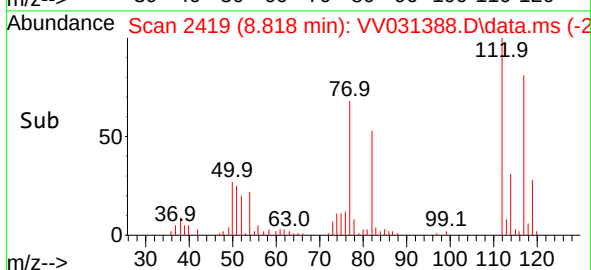
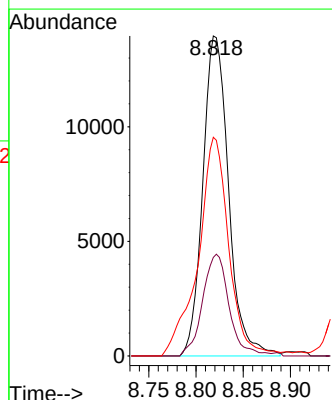
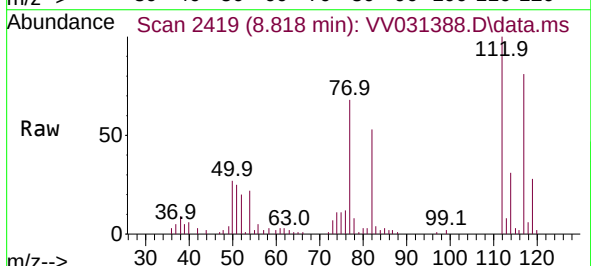
Tgt Ion:112 Resp: 26480

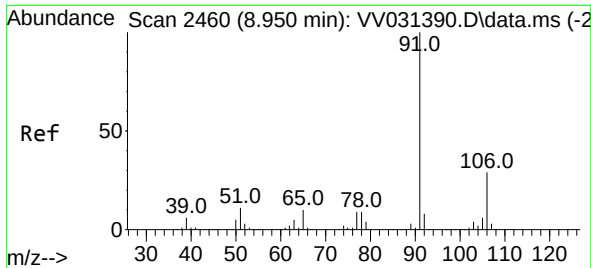
Ion Ratio Lower Upper

112 100

114 30.8 22.4 41.6

77 68.3 52.4 78.6

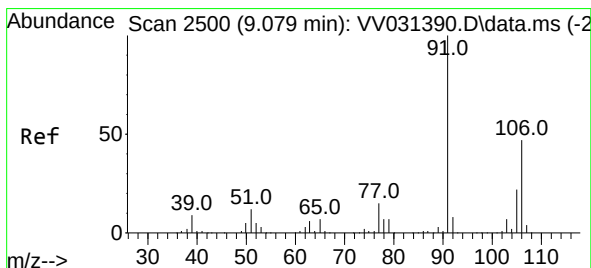
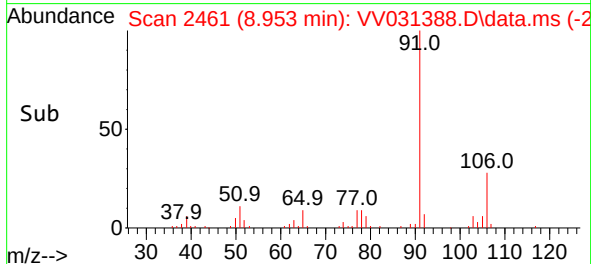
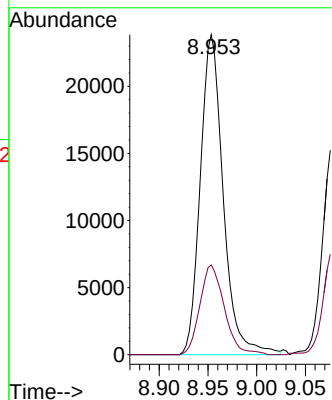
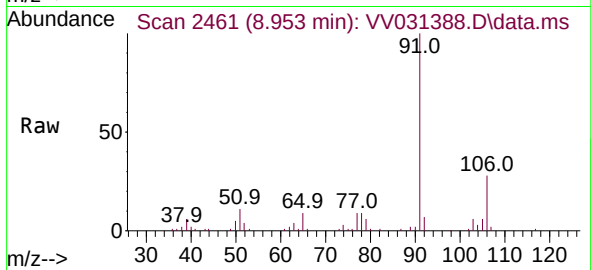




#52
Ethylbenzene
Concen: 4.536 ug/L
RT: 8.953 min Scan# 2460
Delta R.T. 0.003 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

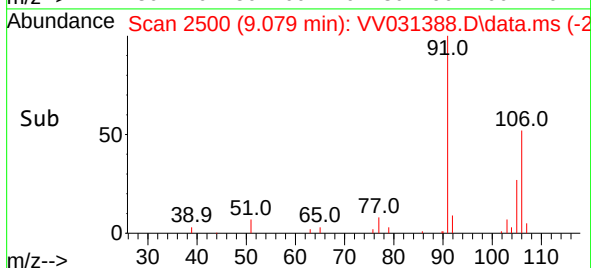
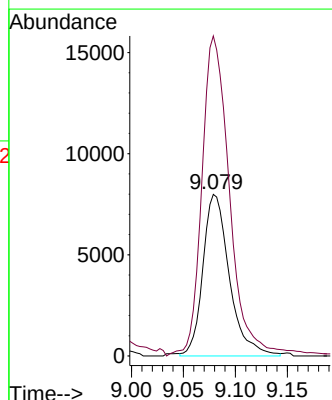
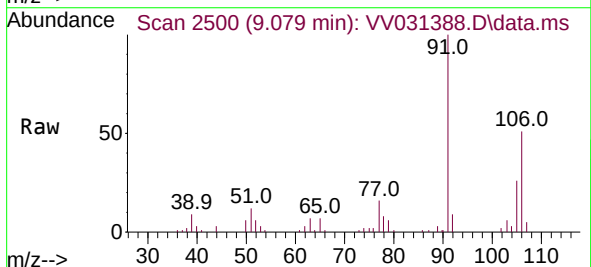
Instrument :
MSVOA_V
ClientSampleId :
VSTD005227

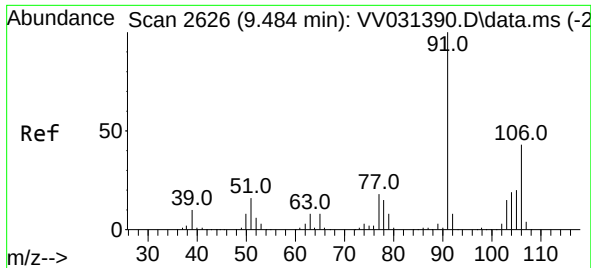
Tgt Ion: 91 Resp: 39003
Ion Ratio Lower Upper
91 100
106 28.0 20.4 38.0



#53
m,p-Xylene
Concen: 4.573 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

Tgt Ion: 106 Resp: 14170
Ion Ratio Lower Upper
106 100
91 198.0 149.4 277.5

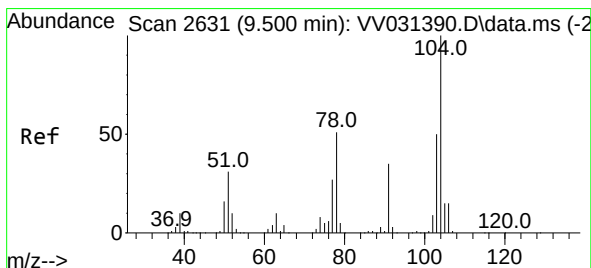
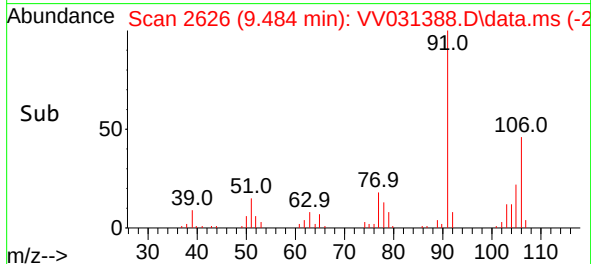
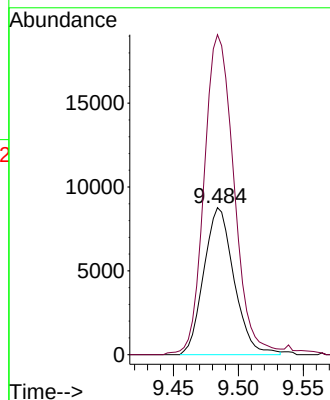
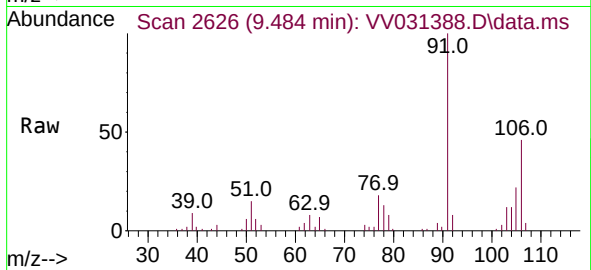




#54
o-Xylene
Concen: 4.535 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

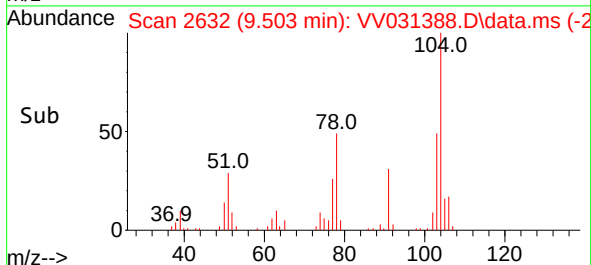
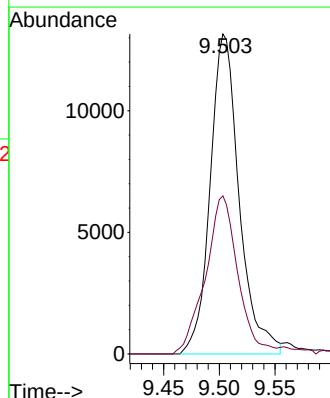
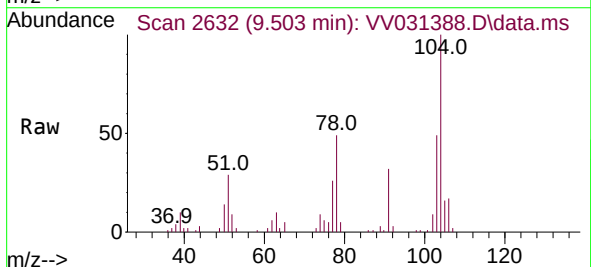
Instrument :
MSVOA_V
ClientSampleId :
VSTD005227

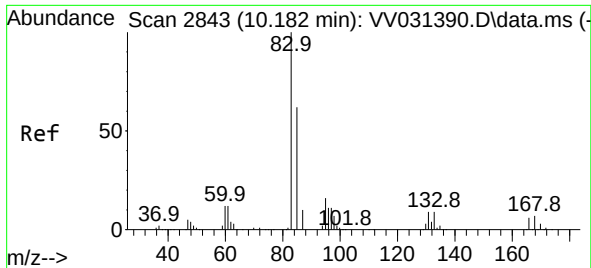
Tgt Ion:106 Resp: 14176
Ion Ratio Lower Upper
106 100
91 217.7 163.8 304.2



#55
Styrene
Concen: 4.181 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.003 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

Tgt Ion:104 Resp: 23824
Ion Ratio Lower Upper
104 100
78 49.4 35.9 66.7

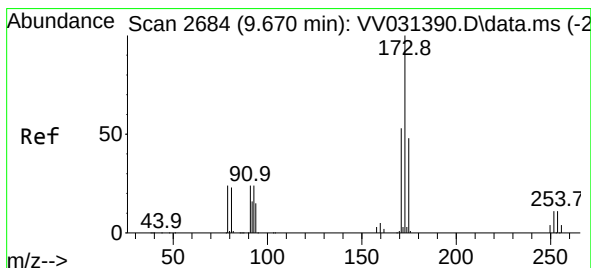
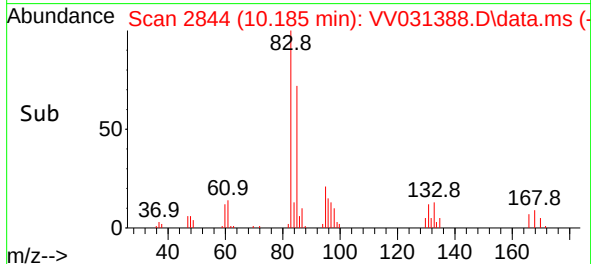
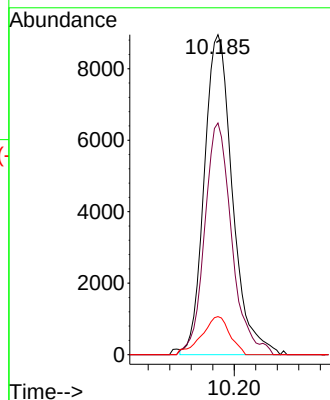
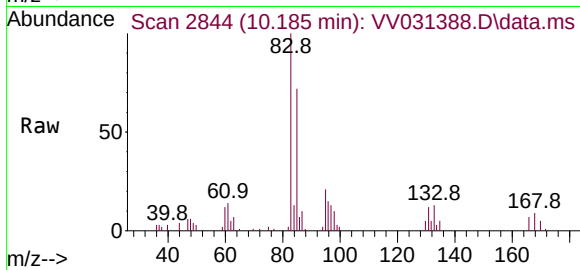




#57
1,1,2,2-Tetrachloroethane
Concen: 4.627 ug/L
RT: 10.185 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

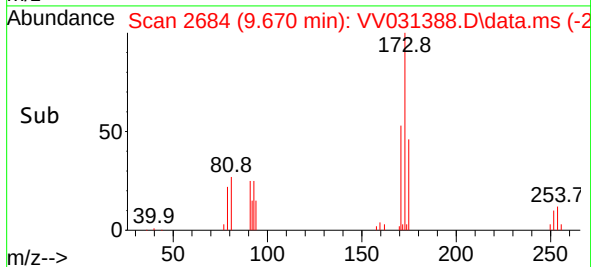
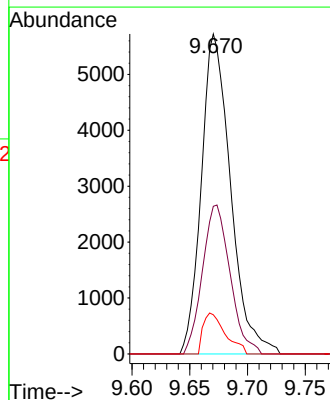
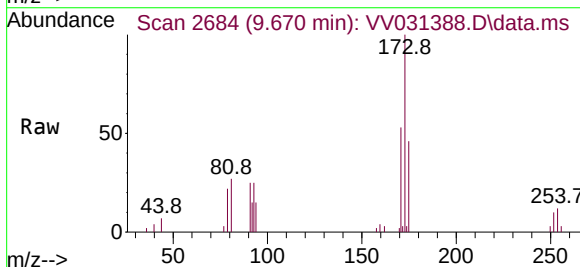
Instrument :
MSVOA_V
ClientSampleId :
VSTD005227

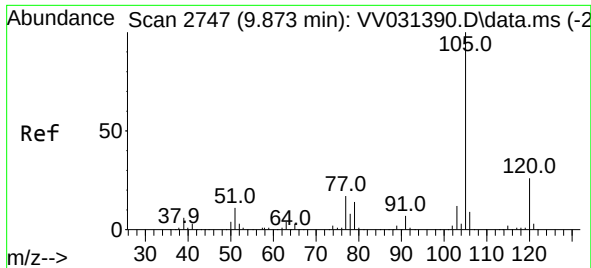
Tgt Ion: 83 Resp: 16289
Ion Ratio Lower Upper
83 100
85 72.4 43.7 81.1
131 16.4 7.3 10.9



#59
Bromoform
Concen: 5.365 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.000 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

Tgt Ion: 173 Resp: 10089
Ion Ratio Lower Upper
173 100
175 43.9 38.8 58.2
254 9.7 8.7 13.1

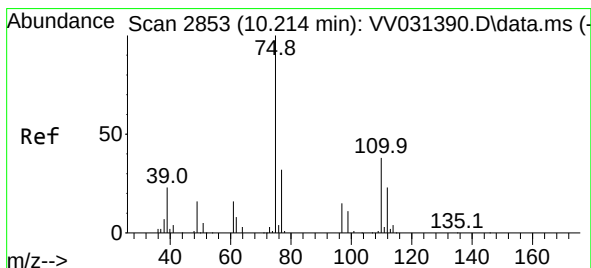
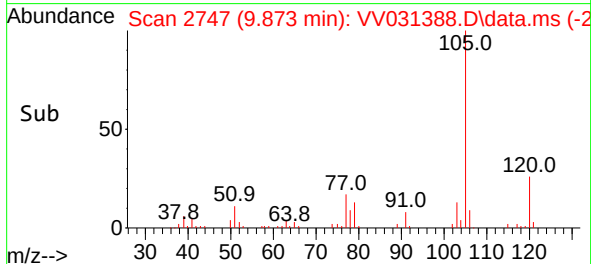
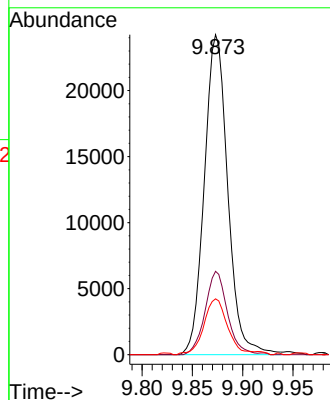
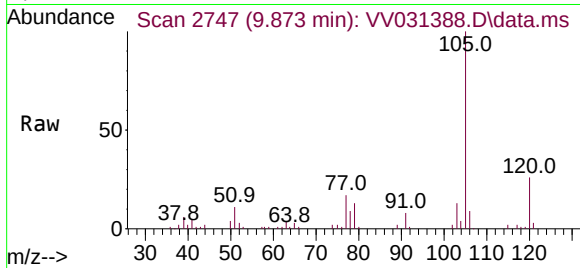




#60
Isopropylbenzene
Concen: 4.680 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

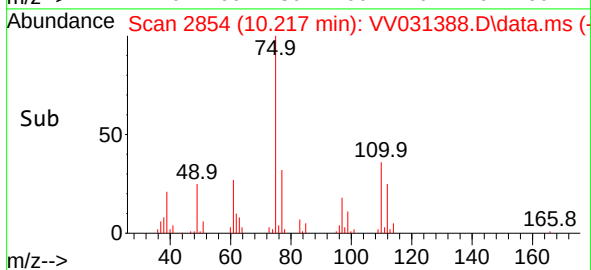
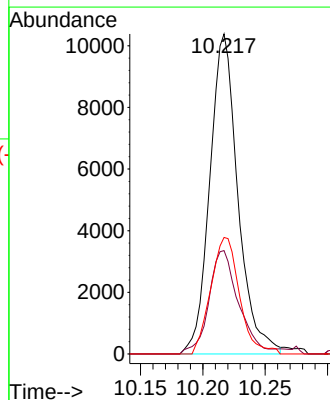
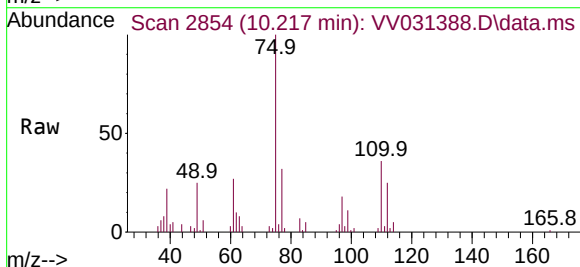
Instrument :
MSVOA_V
ClientSampleId :
VSTD005227

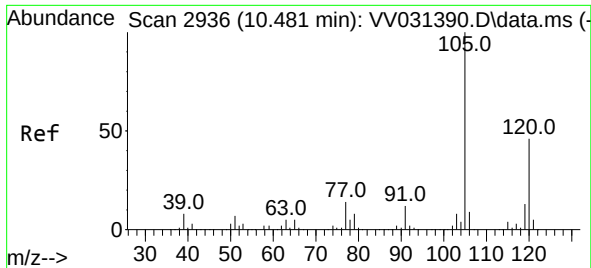
Tgt Ion:105 Resp: 39250
Ion Ratio Lower Upper
105 100
120 24.7 20.6 30.8
77 17.7 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 5.498 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.003 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

Tgt Ion: 75 Resp: 16334
Ion Ratio Lower Upper
75 100
77 33.8 25.6 38.4
110 36.7 29.5 44.3

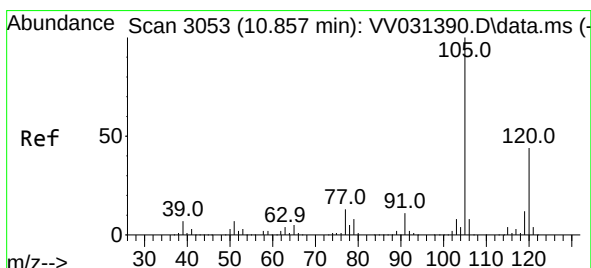
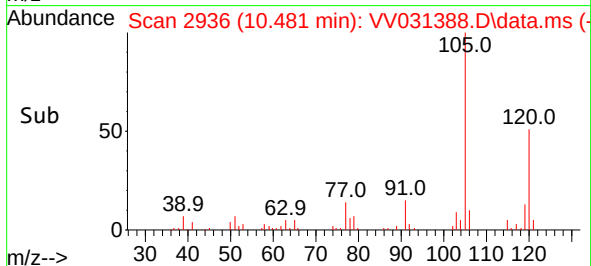
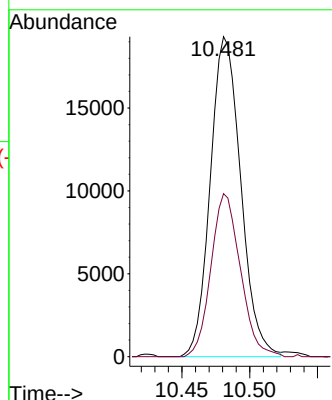
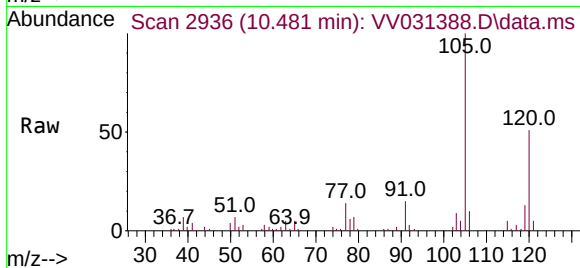




#62
1,3,5-Trimethylbenzene
Concen: 4.356 ug/L
RT: 10.481 min Scan# 2936
Delta R.T. 0.000 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

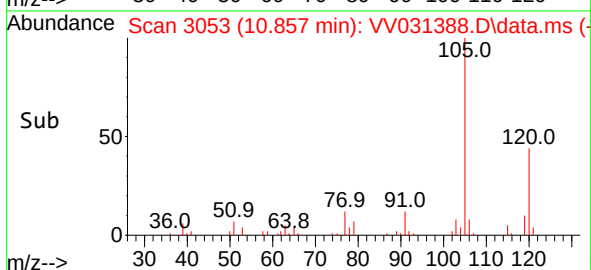
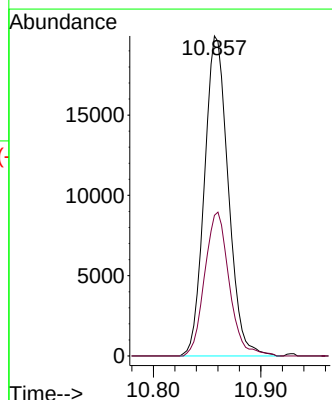
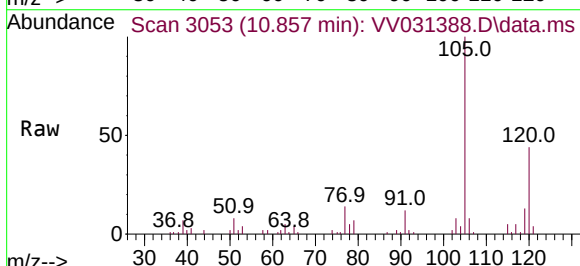
Instrument :
MSVOA_V
ClientSampleId :
VSTD005227

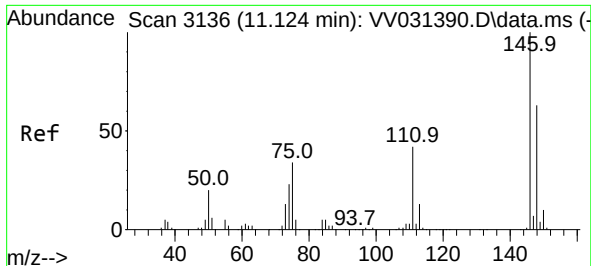
Tgt Ion:105 Resp: 30174
Ion Ratio Lower Upper
105 100
120 49.2 36.8 55.2



#63
1,2,4-Trimethylbenzene
Concen: 4.416 ug/L
RT: 10.857 min Scan# 3053
Delta R.T. 0.000 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

Tgt Ion:105 Resp: 30617
Ion Ratio Lower Upper
105 100
120 46.5 35.0 52.4

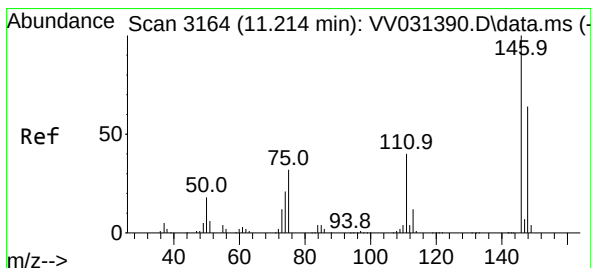
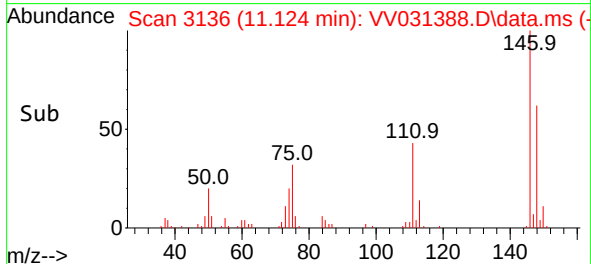
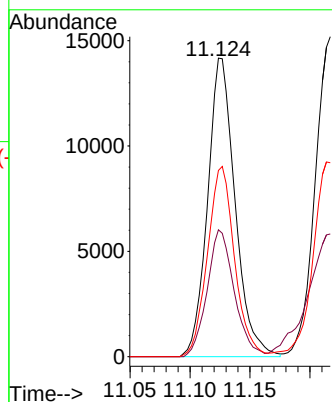
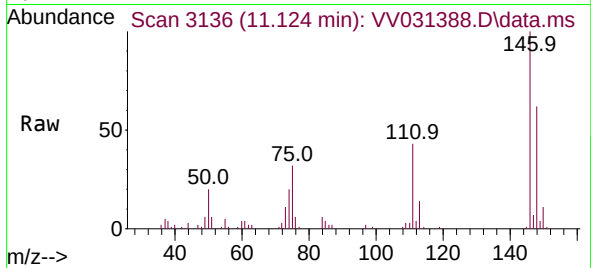




#64
1,3-Dichlorobenzene
Concen: 5.257 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

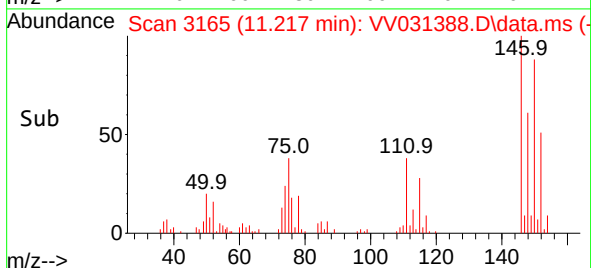
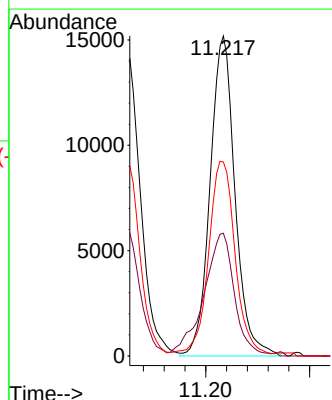
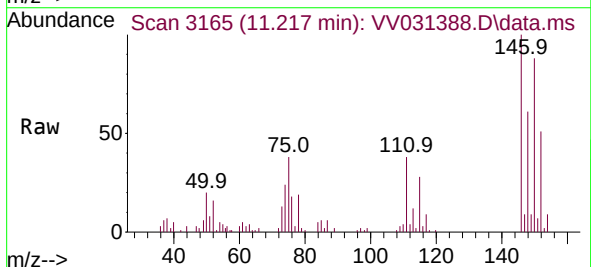
Instrument :
MSVOA_V
ClientSampleId :
VSTD005227

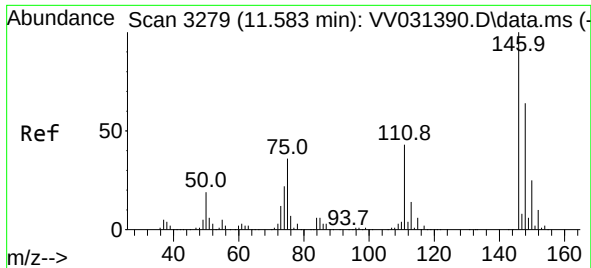
Tgt Ion:146 Resp: 22569
Ion Ratio Lower Upper
146 100
111 42.5 29.3 54.5
148 62.4 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.569 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

Tgt Ion:146 Resp: 25288
Ion Ratio Lower Upper
146 100
111 38.4 28.1 52.3
148 60.6 45.1 83.7

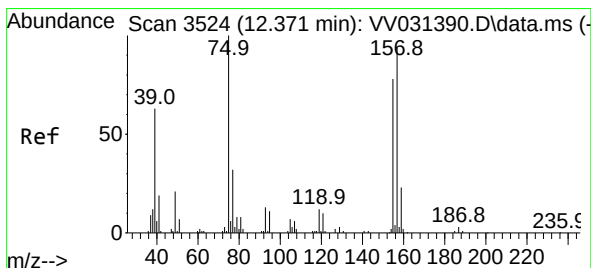
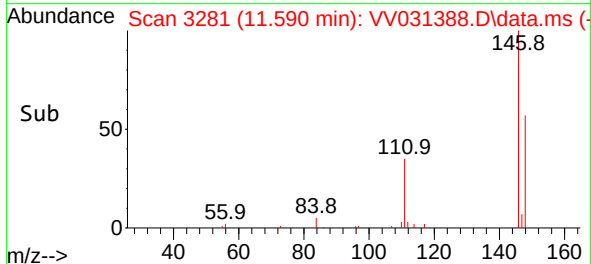
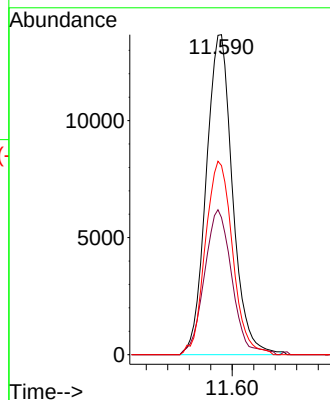
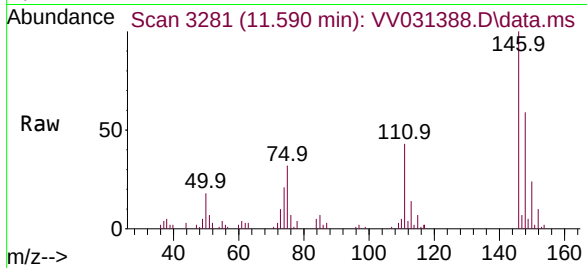




#67
1,2-Dichlorobenzene
Concen: 5.292 ug/L
RT: 11.590 min Scan# 31
Delta R.T. 0.007 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

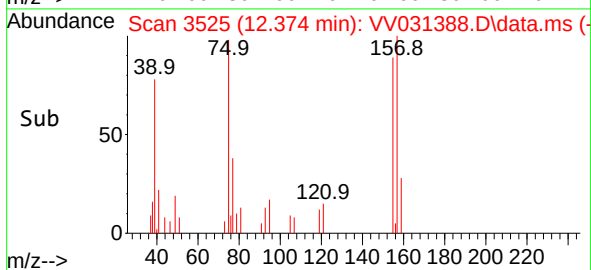
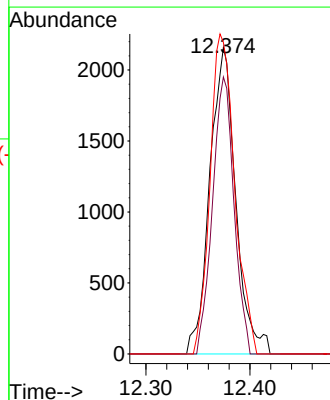
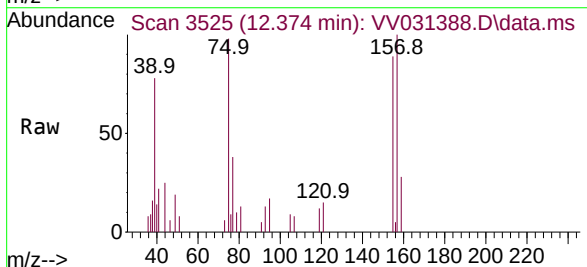
Instrument :
MSVOA_V
ClientSampleId :
VSTD005227

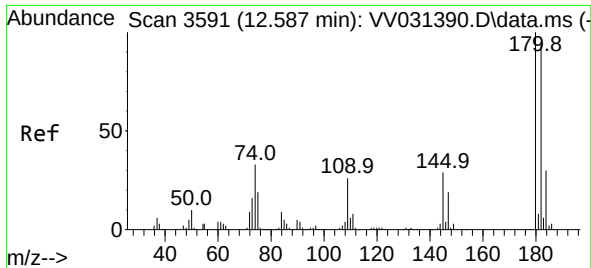
Tgt Ion:146 Resp: 23288
Ion Ratio Lower Upper
146 100
111 42.9 34.5 51.7
148 59.1 51.5 77.3



#68
1,2-Dibromo-3-chloropropane
Concen: 4.752 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. 0.003 min
Lab File: VV031388.D
Acq: 07 Jun 2023 10:28

Tgt Ion: 75 Resp: 3742
Ion Ratio Lower Upper
75 100
155 90.4 62.1 93.1
157 101.6 74.9 112.3





#69

1,3,5-Trichlorobenzene

Concen: 5.327 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.003 min

Lab File: VV031388.D

Acq: 07 Jun 2023 10:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD005227

Tgt Ion:180 Resp: 17606

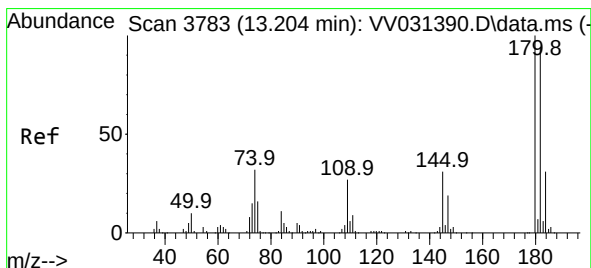
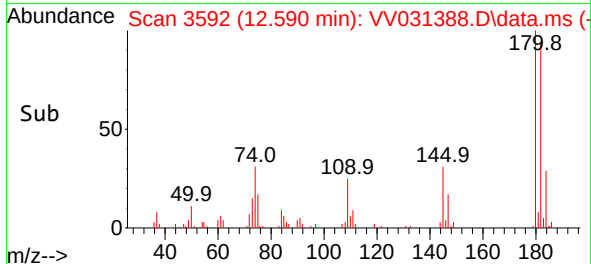
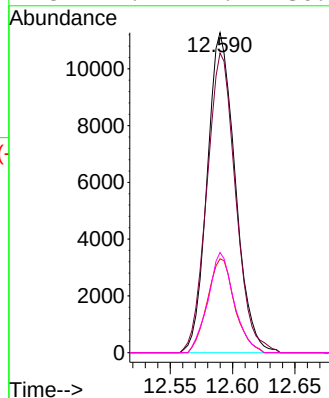
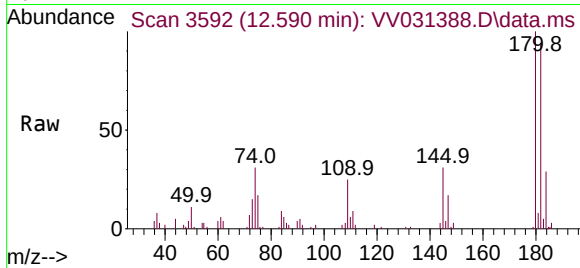
Ion Ratio Lower Upper

180 100

182 96.1 75.7 113.5

184 28.5 23.9 35.9

145 29.1 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 5.143 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.003 min

Lab File: VV031388.D

Acq: 07 Jun 2023 10:28

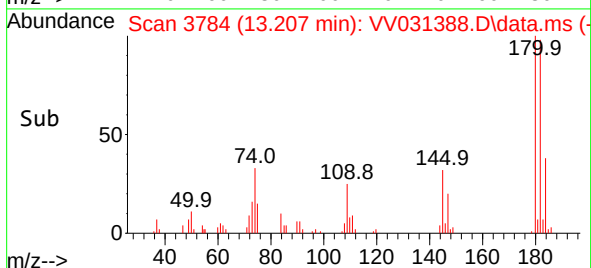
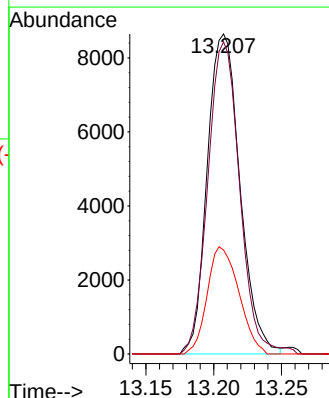
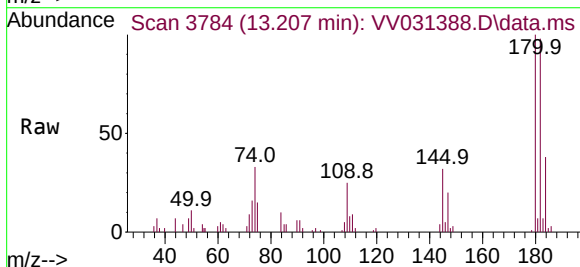
Tgt Ion:180 Resp: 14501

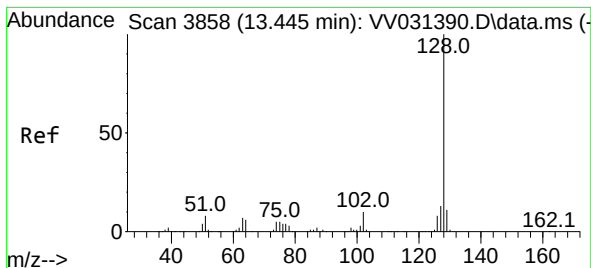
Ion Ratio Lower Upper

180 100

182 94.8 77.0 115.6

145 32.4 24.2 36.2





#71

Naphthalene

Concen: 5.672 ug/L

RT: 13.448 min Scan# 3858

Delta R.T. 0.003 min

Lab File: VV031388.D

Acq: 07 Jun 2023 10:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD005227

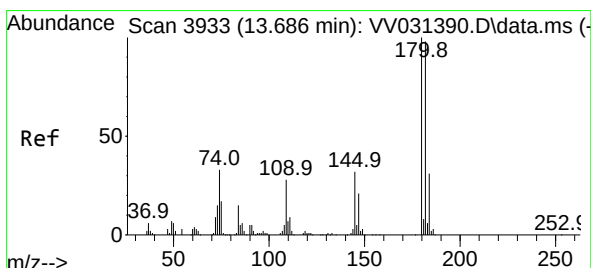
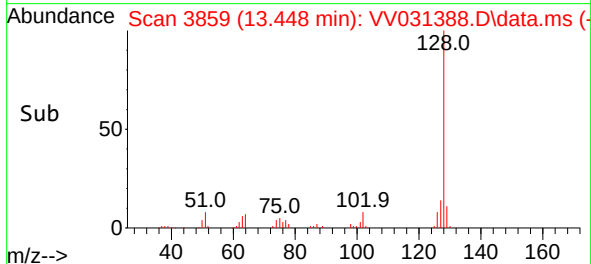
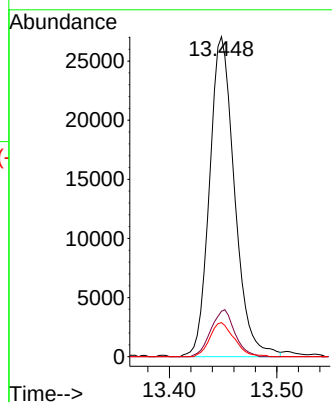
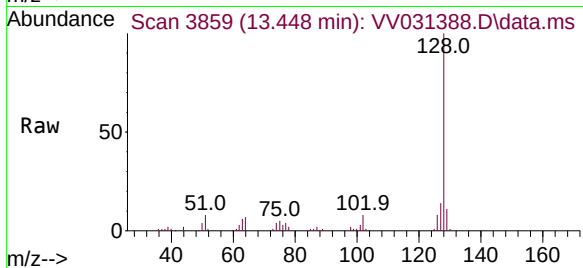
Tgt Ion:128 Resp: 43835

Ion Ratio Lower Upper

128 100

127 13.9 10.7 16.1

129 10.3 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 5.311 ug/L

RT: 13.690 min Scan# 3934

Delta R.T. 0.003 min

Lab File: VV031388.D

Acq: 07 Jun 2023 10:28

Tgt Ion:180 Resp: 15010

Ion Ratio Lower Upper

180 100

182 94.0 77.4 116.2

145 31.2 25.6 38.4

