

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061423\
 Data File : VW031512.D
 Acq On : 14 Jun 2023 13:31
 Operator : SY/MD
 Sample : VSTD00533
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005233

Quant Time: Jun 15 00:16:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 15 00:16:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	222922	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	221313	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	123659	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.285	65	7628	4.158	ug/L	0.00
7) Chloroethane-d5	1.539	69	6766	4.662	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.066	65	4174	4.810	ug/L	0.00
21) 2-Butanone-d5	3.828	46	6132	5.823	ug/L	0.03
24) Chloroform-d	4.259	84	19172	5.540	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.960	65	11852	5.156	ug/L	0.00
32) Benzene-d6	4.973	84	29492	4.839	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.998	67	11154	5.900	ug/L	0.00
41) Toluene-d8	7.252	98	25887	4.574	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.567	79	4585	4.865	ug/L	0.00
47) 2-Hexanone-d5	8.040	63	6030	8.101	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	16839	5.929	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	11729	5.176	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.111	85	12759	7.847	ug/L	97
3) Chloromethane	1.217	50	12632	7.418	ug/L	95
5) Vinyl chloride	1.288	62	12180	7.792	ug/L	98
6) Bromomethane	1.494	94	7996	8.586	ug/L	95
8) Chloroethane	1.555	64	7619	7.542	ug/L	84
9) Trichlorofluoromethane	1.719	101	20441	6.937	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	11069	7.131	ug/L	97
12) 1,1-Dichloroethene	2.079	96	8635	6.484	ug/L	81
13) Acetone	2.127	43	14962	11.508	ug/L	94
14) Carbon disulfide	2.249	76	26197	9.331	ug/L	98
15) Methyl Acetate	2.391	43	10436	6.551	ug/L	96
16) Methylene chloride	2.458	84	12261	8.124	ug/L	99
17) trans-1,2-Dichloroethene	2.706	96	9201	7.261	ug/L	88
18) Methyl tert-butyl Ether	2.712	73	27087	5.756	ug/L	98
19) 1,1-Dichloroethane	3.121	63	20146	7.123	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	8746	5.788	ug/L	97
22) 2-Butanone	3.908	43	9248	7.129	ug/L	96
23) Bromochloromethane	4.162	128	5131	6.218	ug/L	96
25) Chloroform	4.288	83	20910	6.720	ug/L	96
27) 1,2-Dichloroethane	5.056	62	15561	6.055	ug/L	98
29) Cyclohexane	4.593	56	12874	6.488	ug/L #	90
30) 1,1,1-Trichloroethane	4.523	97	18893	6.556	ug/L	98
31) Carbon tetrachloride	4.741	117	16418	6.485	ug/L	96
33) Benzene	5.021	78	35699	6.227	ug/L	100
34) Trichloroethene	5.844	95	9887	6.434	ug/L	84
35) Methylcyclohexane	6.056	83	13709	6.512	ug/L	98
37) 1,2-Dichloropropane	6.104	63	11335	7.068	ug/L	99
38) Bromodichloromethane	6.445	83	15091	6.279	ug/L	90
39) cis-1,3-Dichloropropene	6.963	75	14925	6.046	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	21136	9.049	ug/L	97
42) Toluene	7.326	91	34666	5.612	ug/L	98
44) trans-1,3-Dichloropropene	7.593	75	13431	5.453	ug/L	97

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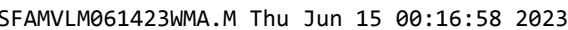
Quant Time: Jun 15 00:16:49 2023
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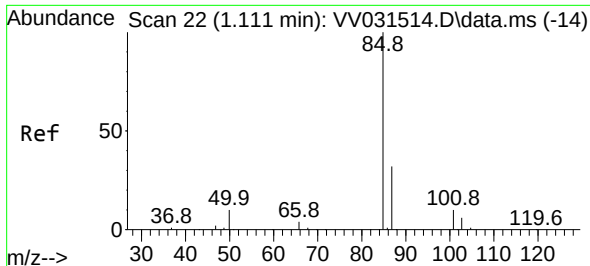
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.776	97	10370	6.139	ug/L	96
46) Tetrachloroethene	7.911	164	8198	6.334	ug/L	95
48) 2-Hexanone	8.088	43	16014	8.363	ug/L #	95
49) Dibromochloromethane	8.185	129	11275	5.928	ug/L	99
50) 1,2-Dibromoethane	8.291	107	10767	6.271	ug/L #	97
51) Chlorobenzene	8.821	112	25980	6.044	ug/L	93
52) Ethylbenzene	8.953	91	37880	5.386	ug/L	100
53) m,p-Xylene	9.082	106	13735	5.092	ug/L	85
54) o-Xylene	9.484	106	12569	4.765	ug/L	98
55) Styrene	9.503	104	21773	4.646	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.185	83	16332	5.868	ug/L	97
59) Bromoform	9.673	173	6972	4.706	ug/L #	93
60) Isopropylbenzene	9.873	105	34633	4.969	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	12675	6.308	ug/L #	93
62) 1,3,5-Trimethylbenzene	10.484	105	27623	4.796	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	25654	4.610	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	19474	5.533	ug/L	97
65) 1,4-Dichlorobenzene	11.217	146	21840	5.962	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	19918	5.603	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.371	75	3824	6.215	ug/L	93
69) 1,3,5-Trichlorobenzene	12.590	180	15164	5.588	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	12616	5.468	ug/L	100
71) Naphthalene	13.448	128	27193	4.510	ug/L #	94
72) 1,2,3-Trichlorobenzene	13.689	180	13142	5.618	ug/L	97

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

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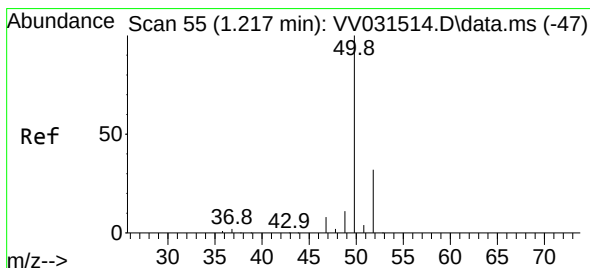
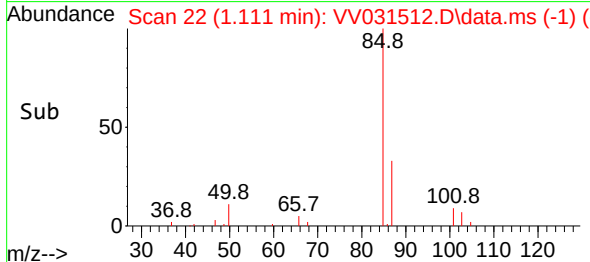
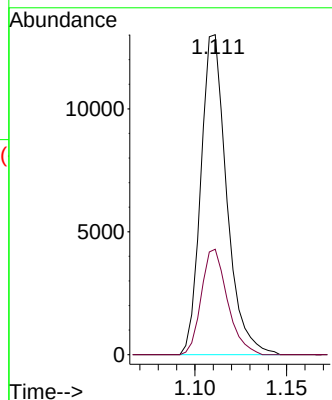
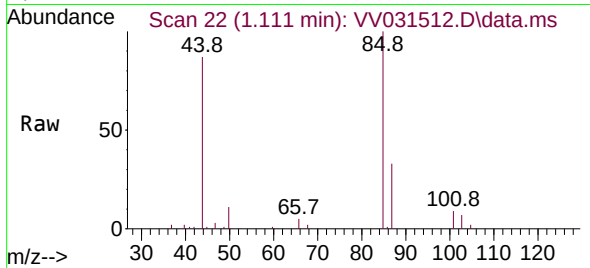




#2
Dichlorodifluoromethane
Concen: 7.847 ug/L
RT: 1.111 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

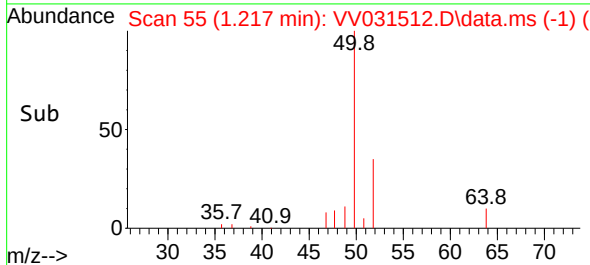
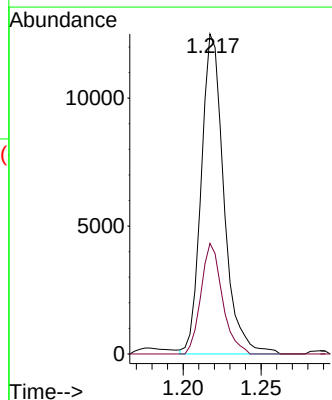
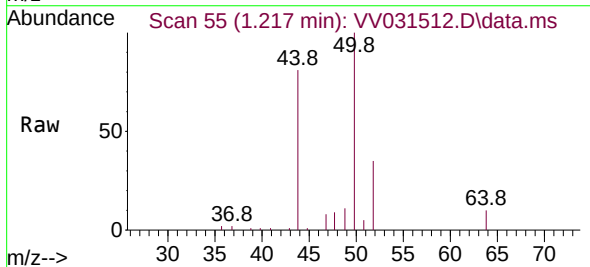
Instrument :
MSVOA_V
ClientSampleId :
VSTD005233

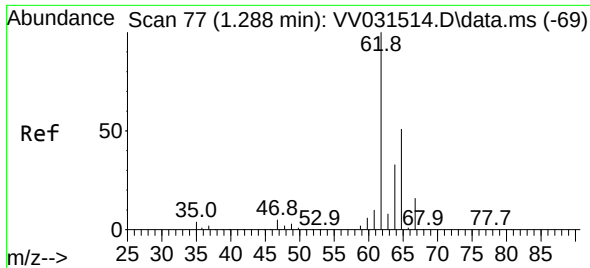
Tgt Ion: 85 Resp: 12759
Ion Ratio Lower Upper
85 100
87 33.3 25.5 38.3



#3
Chloromethane
Concen: 7.418 ug/L
RT: 1.217 min Scan# 55
Delta R.T. -0.000 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

Tgt Ion: 50 Resp: 12632
Ion Ratio Lower Upper
50 100
52 34.6 22.3 41.5

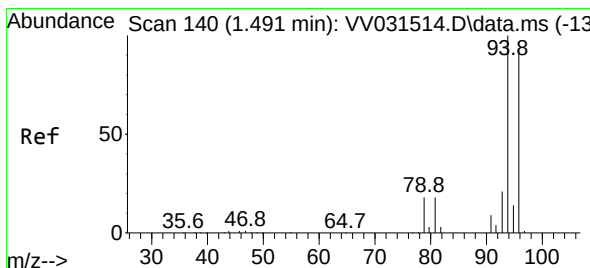
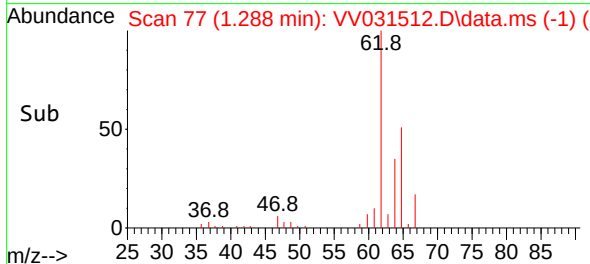
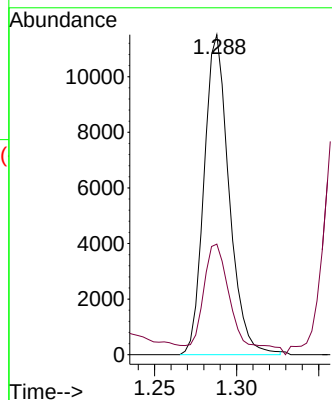
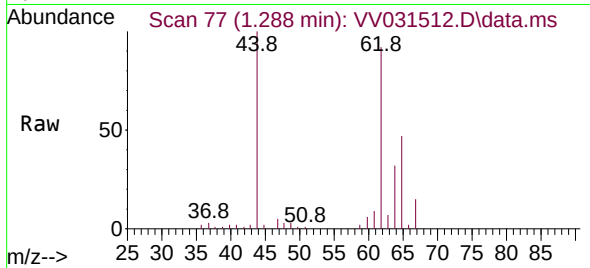




#5
 Vinyl chloride
 Concen: 7.792 ug/L
 RT: 1.288 min Scan# 77
 Delta R.T. -0.000 min
 Lab File: VV031512.D
 Acq: 14 Jun 2023 13:31

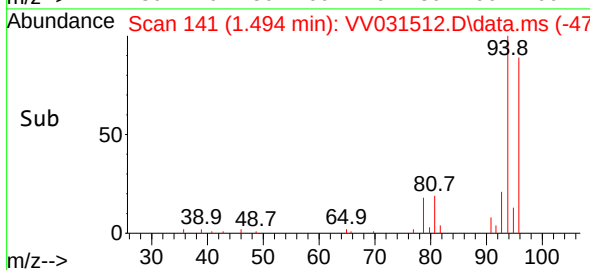
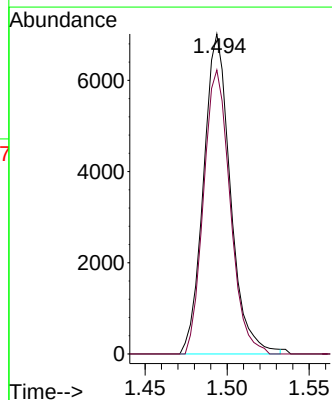
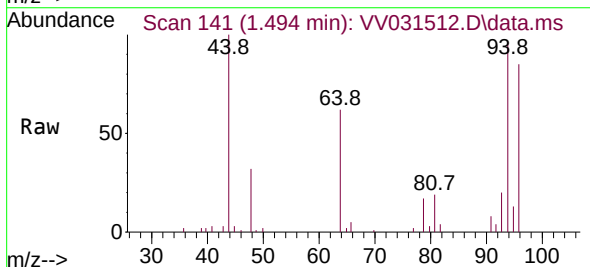
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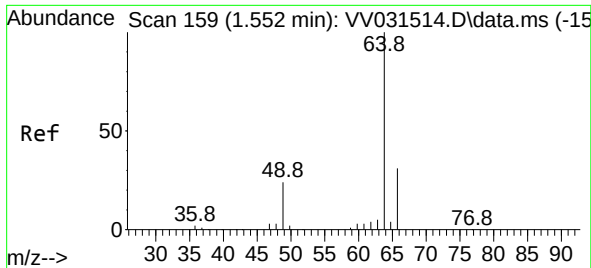
Tgt Ion: 62 Resp: 12180
 Ion Ratio Lower Upper
 62 100
 64 34.6 23.4 43.4



#6
 Bromomethane
 Concen: 8.586 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.003 min
 Lab File: VV031512.D
 Acq: 14 Jun 2023 13:31

Tgt Ion: 94 Resp: 7996
 Ion Ratio Lower Upper
 94 100
 96 88.8 65.4 121.4

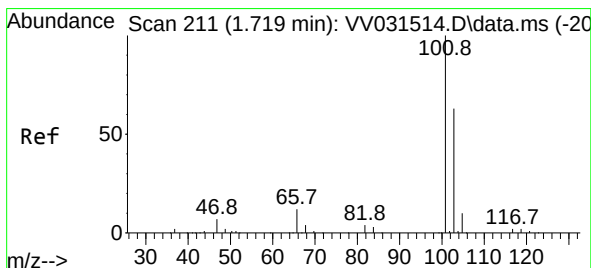
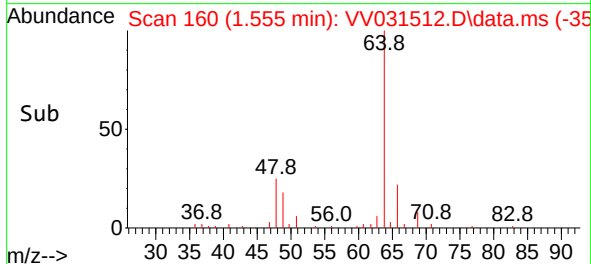
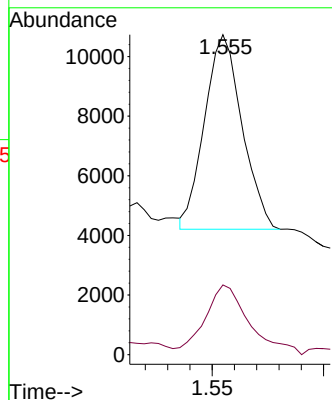
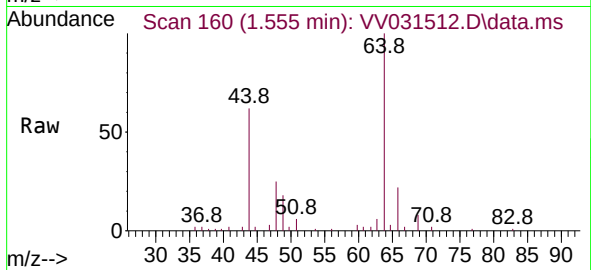




#8
Chloroethane
Concen: 7.542 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

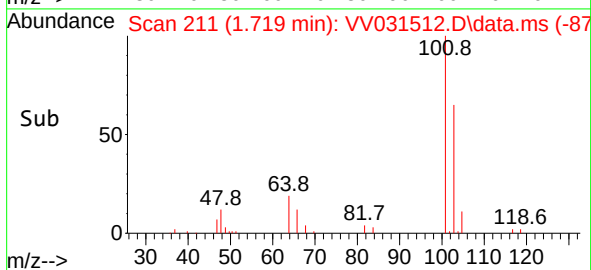
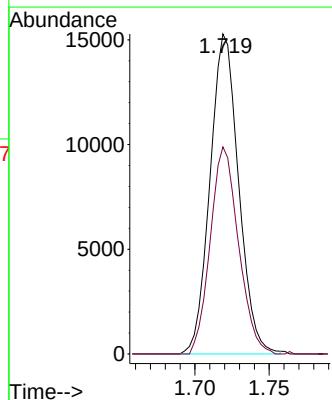
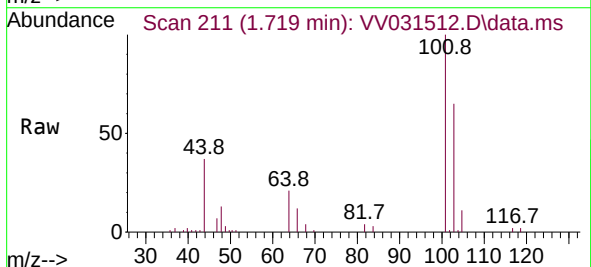
Instrument :
MSVOA_V
ClientSampleId :
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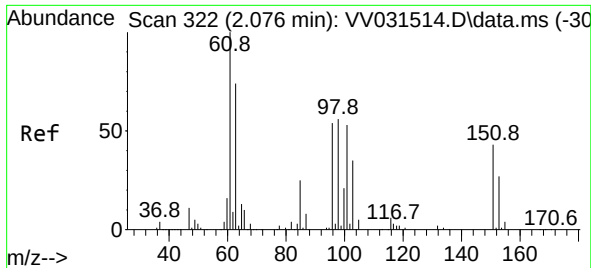
Tgt Ion: 64 Resp: 7619
Ion Ratio Lower Upper
64 100
66 21.2 21.0 39.0



#9
Trichlorofluoromethane
Concen: 6.937 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

Tgt Ion: 101 Resp: 20441
Ion Ratio Lower Upper
101 100
103 63.9 50.9 76.3

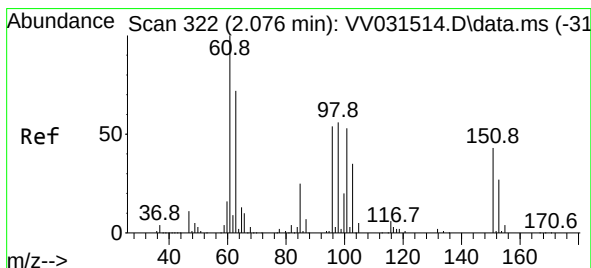
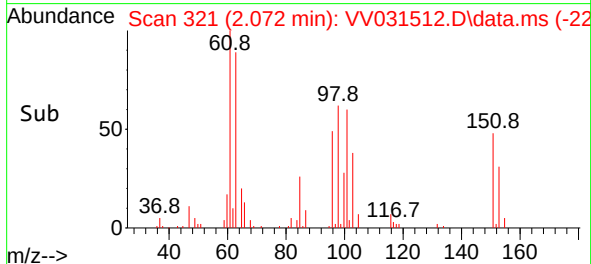
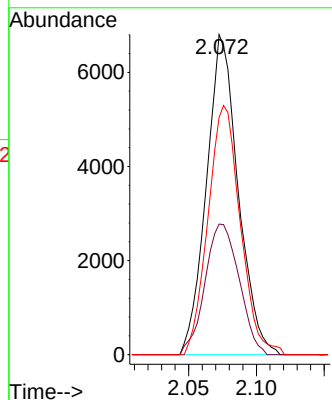
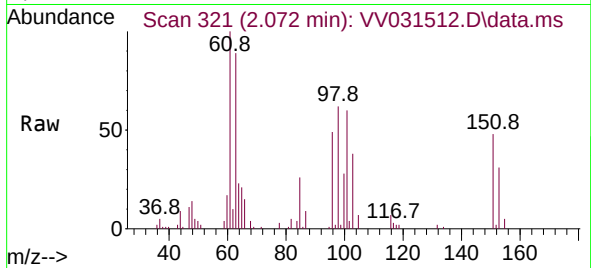




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 7.131 ug/L
RT: 2.072 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

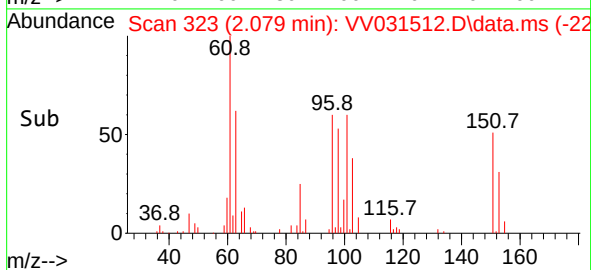
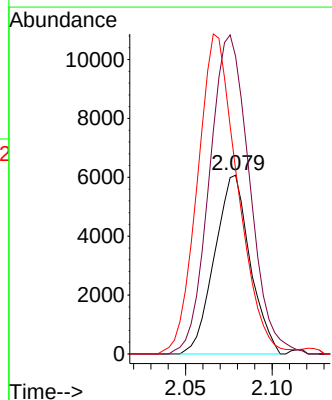
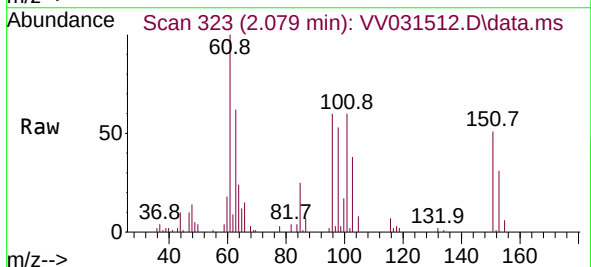
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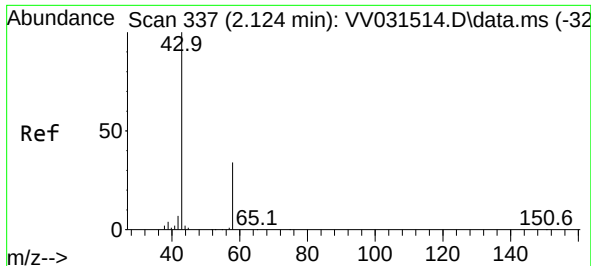
Tgt Ion:101 Resp: 11069
Ion Ratio Lower Upper
101 100
85 43.9 37.4 56.0
151 79.4 62.3 93.5



#12
1,1-Dichloroethene
Concen: 6.484 ug/L
RT: 2.079 min Scan# 323
Delta R.T. 0.003 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

Tgt Ion: 96 Resp: 8635
Ion Ratio Lower Upper
96 100
61 166.6 128.9 239.5
63 103.3 95.3 177.1





#13

Acetone

Concen: 11.508 ug/L

RT: 2.127 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031512.D

Acq: 14 Jun 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

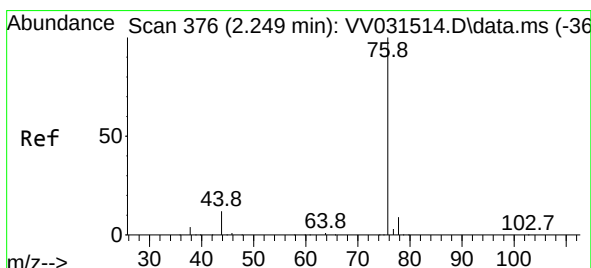
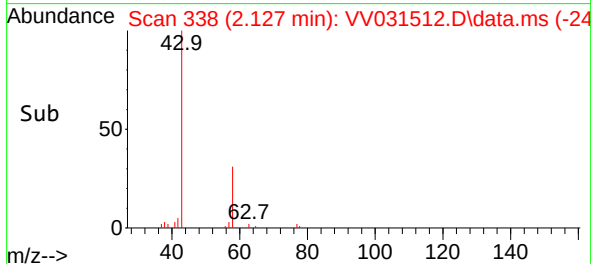
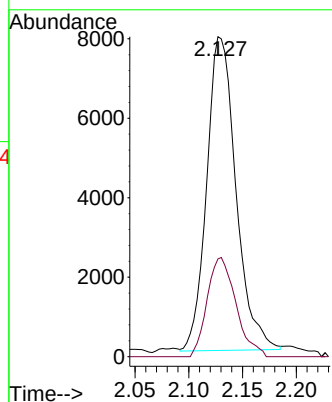
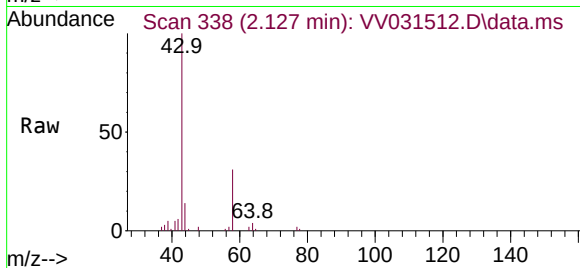
VSTD005233

Tgt Ion: 43 Resp: 14962

Ion Ratio Lower Upper

43 100

58 30.9 0.0 68.6



#14

Carbon disulfide

Concen: 9.331 ug/L

RT: 2.249 min Scan# 376

Delta R.T. -0.000 min

Lab File: VV031512.D

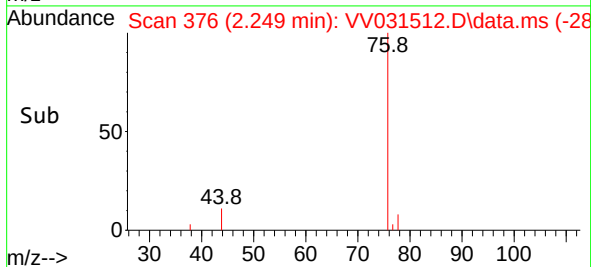
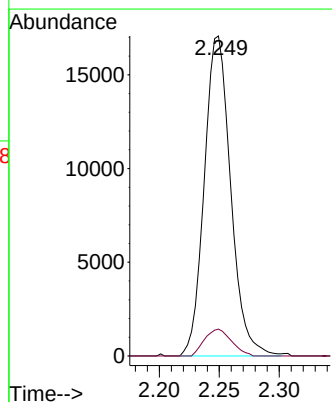
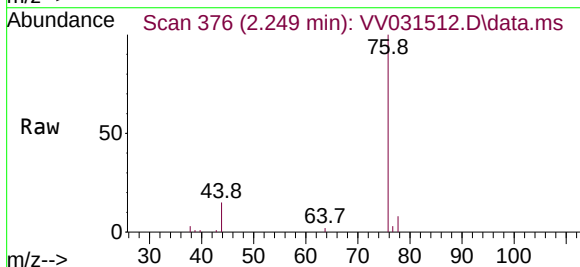
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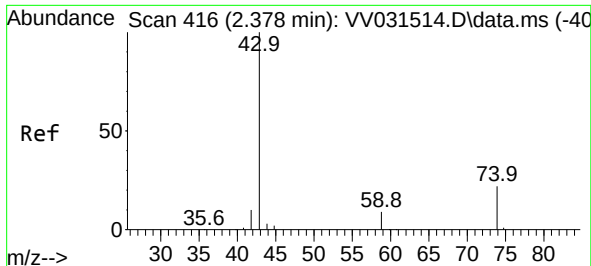
Tgt Ion: 76 Resp: 26197

Ion Ratio Lower Upper

76 100

78 8.2 7.1 10.7

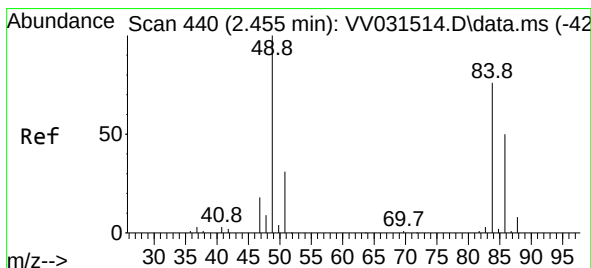
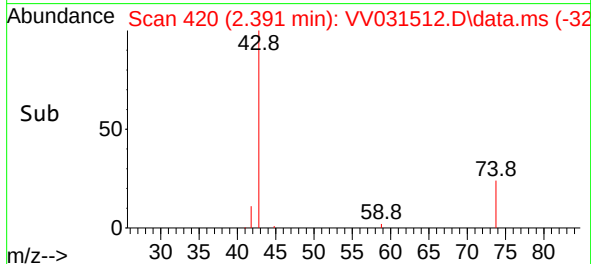
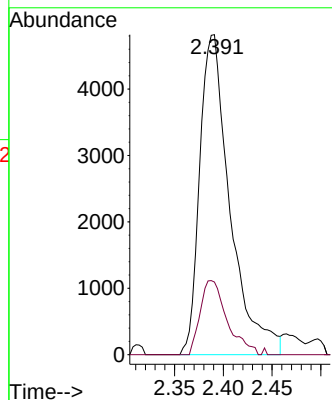
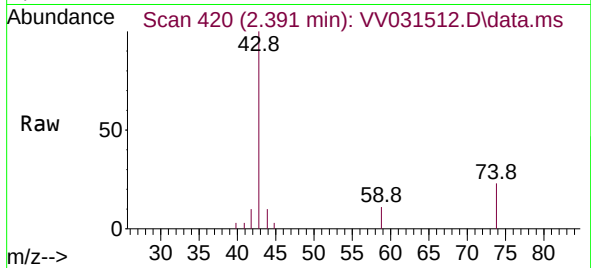




#15
Methyl Acetate
Concen: 6.551 ug/L
RT: 2.391 min Scan# 416
Delta R.T. 0.013 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

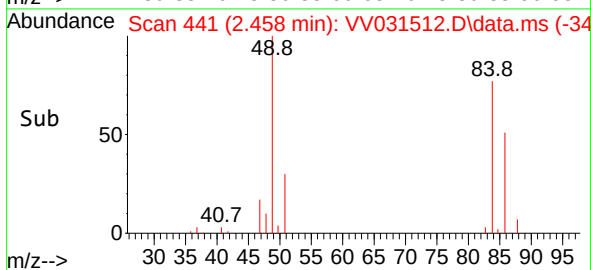
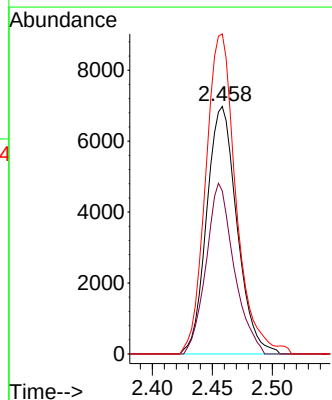
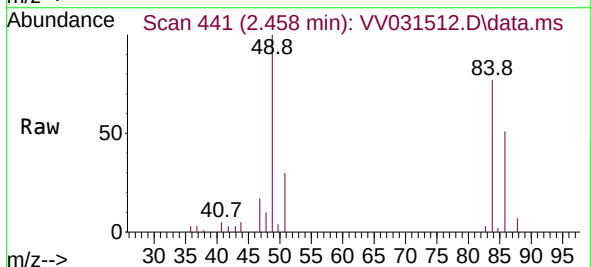
Instrument :
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ClientSampleId :
VSTD005233

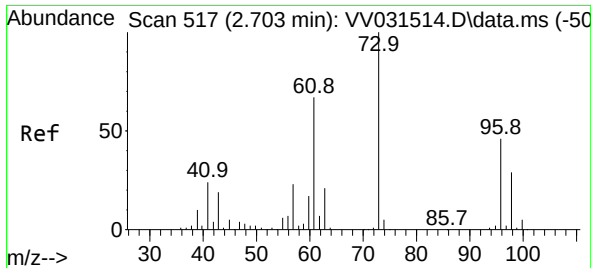
Tgt Ion: 43 Resp: 10436
Ion Ratio Lower Upper
43 100
74 20.3 17.8 26.6



#16
Methylene chloride
Concen: 8.124 ug/L
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

Tgt Ion: 84 Resp: 12261
Ion Ratio Lower Upper
84 100
86 64.6 45.8 85.0
49 131.9 92.1 171.1

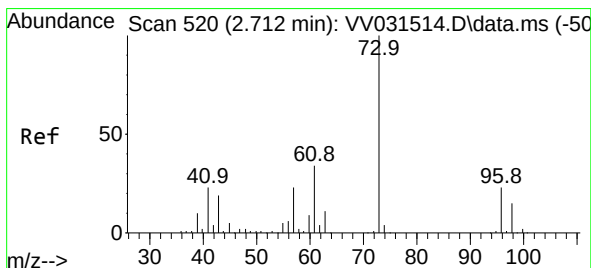
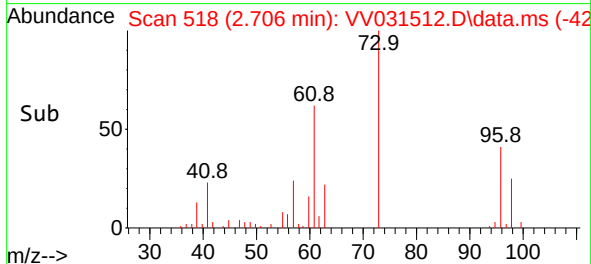
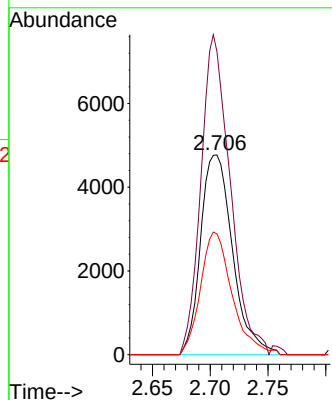
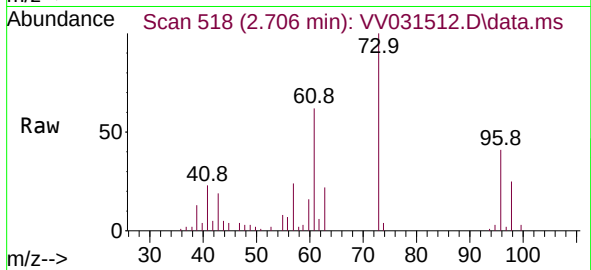




#17
trans-1,2-Dichloroethene
Concen: 7.261 ug/L
RT: 2.706 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

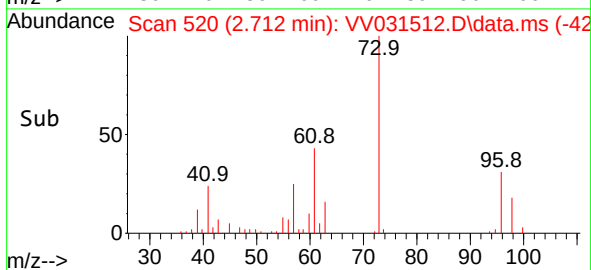
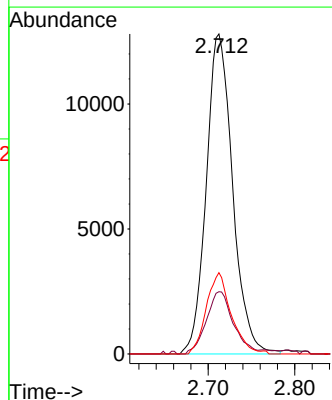
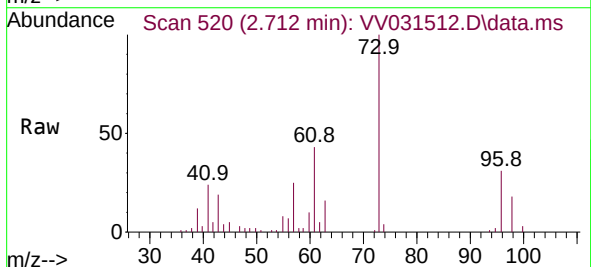
Instrument :
MSVOA_V
ClientSampleId :
VSTD005233

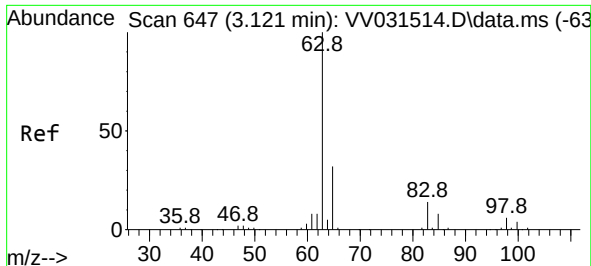
Tgt Ion: 96 Resp: 9201
Ion Ratio Lower Upper
96 100
61 166.8 102.5 190.3
98 60.5 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 5.756 ug/L
RT: 2.712 min Scan# 520
Delta R.T. -0.000 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

Tgt Ion: 73 Resp: 27087
Ion Ratio Lower Upper
73 100
43 19.9 15.0 22.4
57 23.8 18.2 27.4





#19

1,1-Dichloroethane

Concen: 7.123 ug/L

RT: 3.121 min Scan# 647

Delta R.T. -0.000 min

Lab File: VV031512.D

Acq: 14 Jun 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD005233

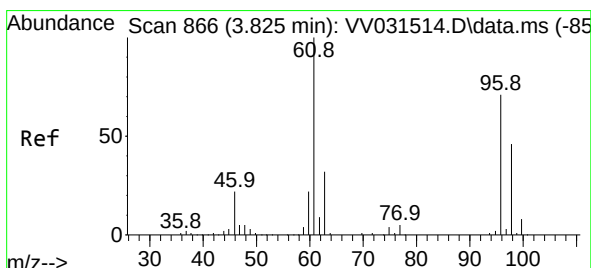
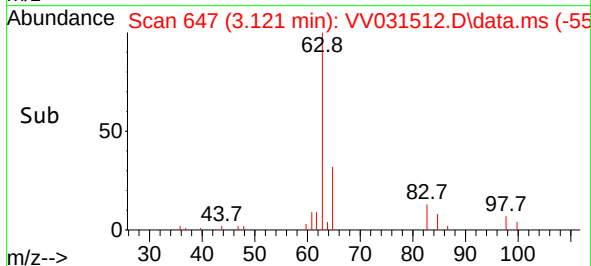
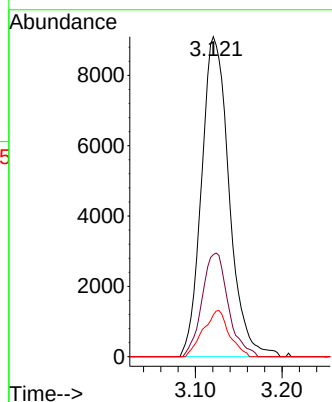
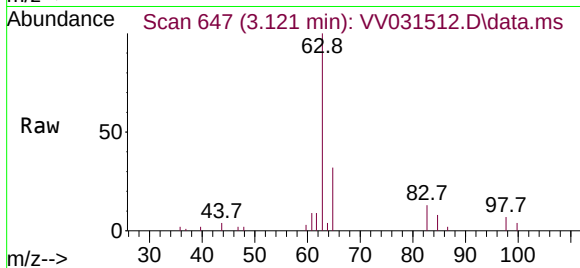
Tgt Ion: 63 Resp: 20146

Ion Ratio Lower Upper

63 100

65 31.9 22.5 41.7

83 13.1 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 5.788 ug/L

RT: 3.825 min Scan# 866

Delta R.T. -0.000 min

Lab File: VV031512.D

Acq: 14 Jun 2023 13:31

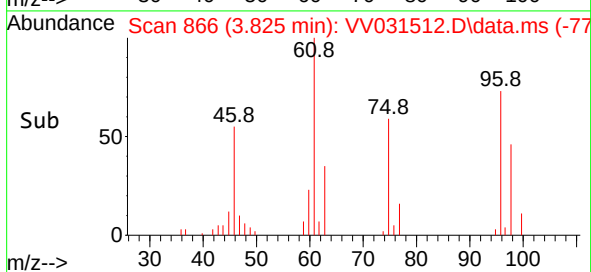
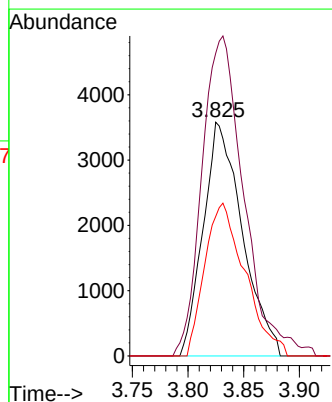
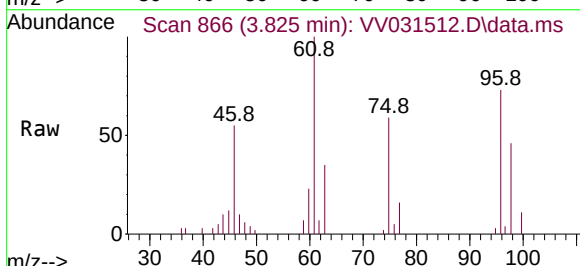
Tgt Ion: 96 Resp: 8746

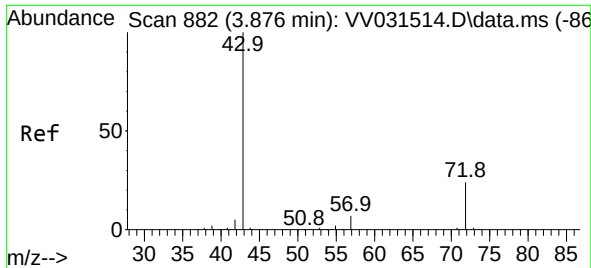
Ion Ratio Lower Upper

96 100

61 138.9 98.6 183.0

98 59.7 45.7 84.9

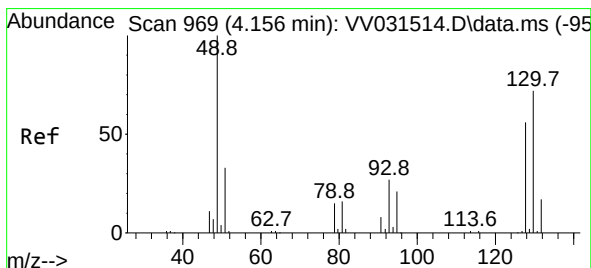
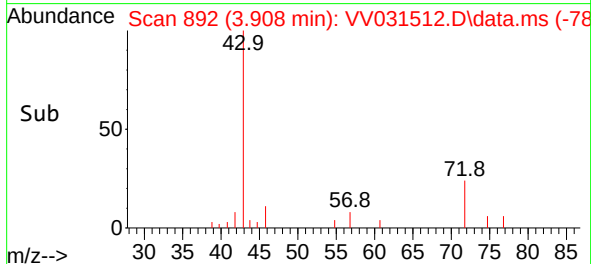
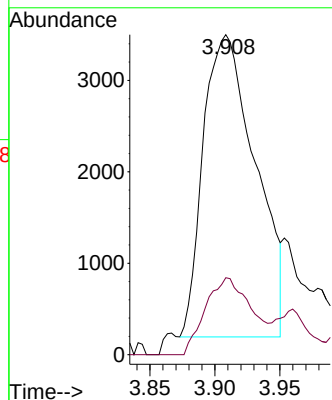
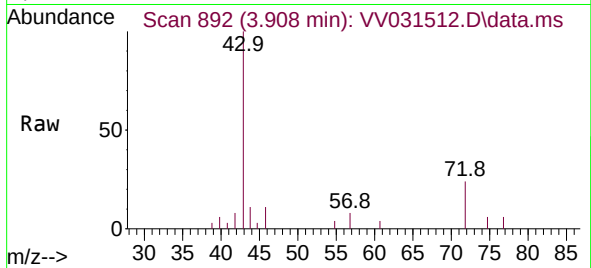




#22
2-Butanone
Concen: 7.129 ug/L
RT: 3.908 min Scan# 892
Delta R.T. 0.032 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

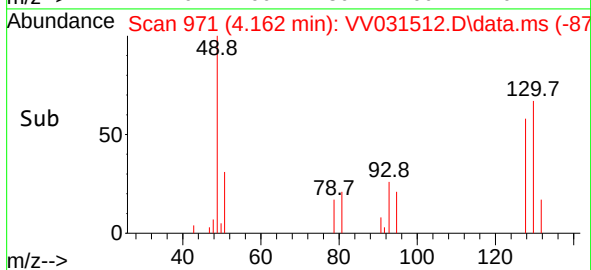
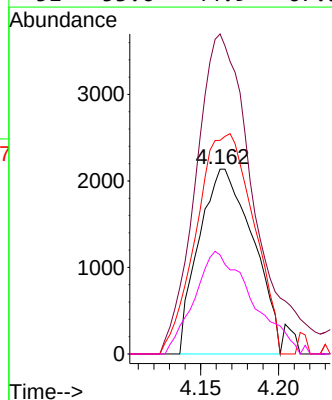
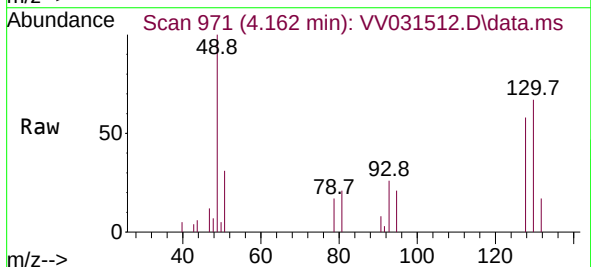
Instrument :
MSVOA_V
ClientSampleId :
VSTD005233

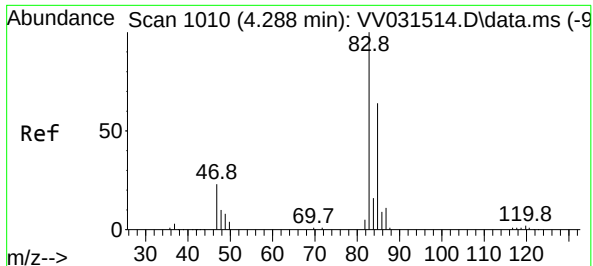
Tgt Ion: 43 Resp: 9248
Ion Ratio Lower Upper
43 100
72 22.4 12.2 36.4



#23
Bromochloromethane
Concen: 6.218 ug/L
RT: 4.162 min Scan# 971
Delta R.T. 0.006 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

Tgt Ion:128 Resp: 5131
Ion Ratio Lower Upper
128 100
49 173.1 120.6 224.0
130 115.6 88.1 163.7
51 53.6 44.9 67.3





#25

Chloroform

Concen: 6.720 ug/L

RT: 4.288 min Scan# 1010

Delta R.T. -0.000 min

Lab File: VV031512.D

Acq: 14 Jun 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

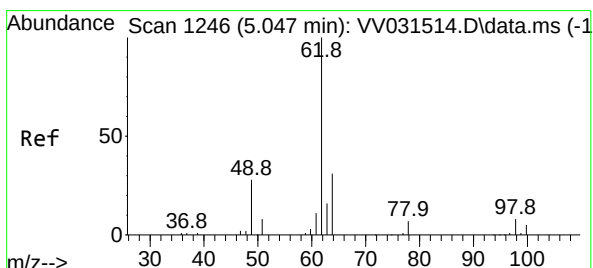
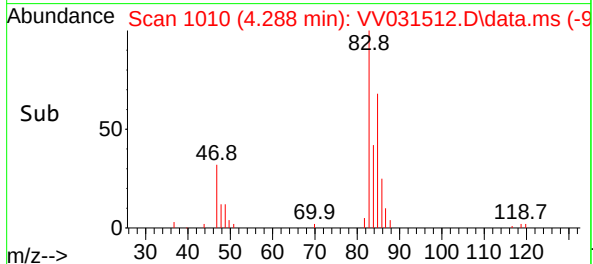
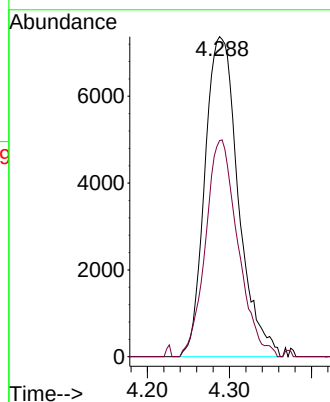
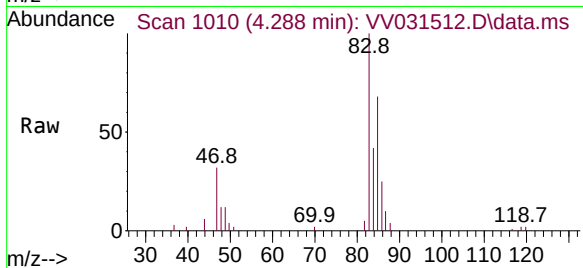
VSTD005233

Tgt Ion: 83 Resp: 20910

Ion Ratio Lower Upper

83 100

85 67.5 45.3 84.1



#27

1,2-Dichloroethane

Concen: 6.055 ug/L

RT: 5.056 min Scan# 1249

Delta R.T. 0.010 min

Lab File: VV031512.D

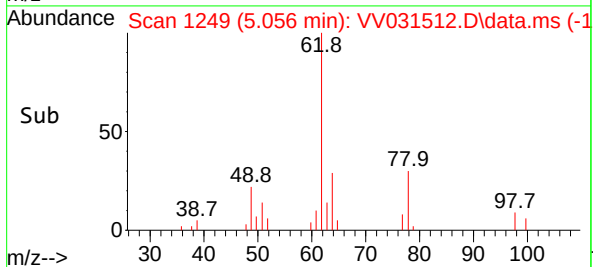
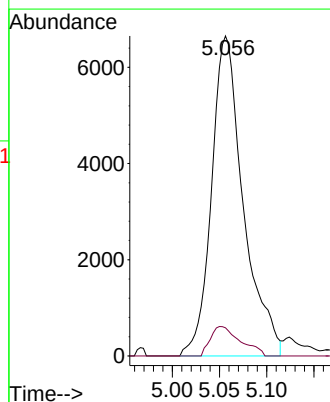
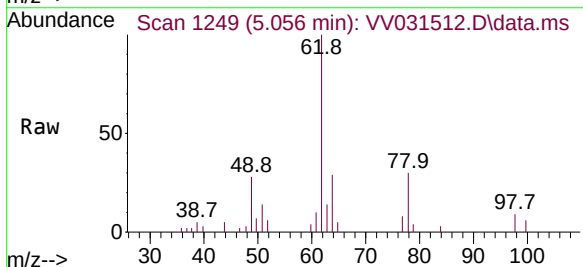
Acq: 14 Jun 2023 13:31

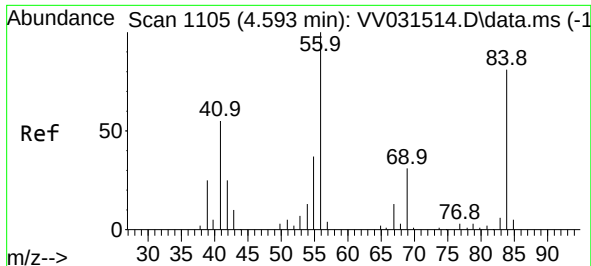
Tgt Ion: 62 Resp: 15561

Ion Ratio Lower Upper

62 100

98 8.8 6.6 9.8





#29

Cyclohexane

Concen: 6.488 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV031512.D

Acq: 14 Jun 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD005233

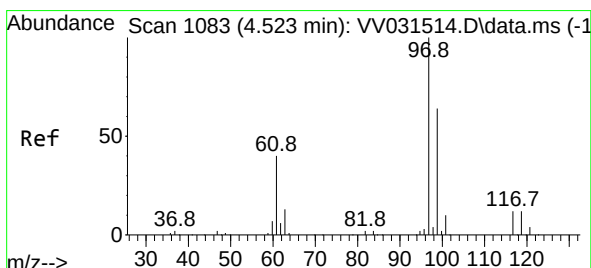
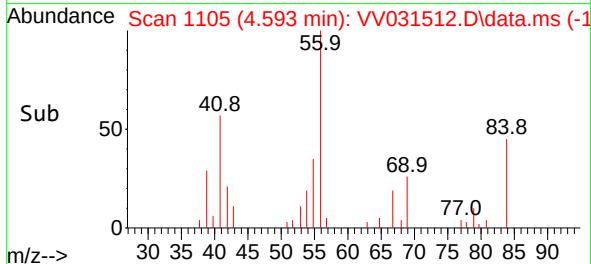
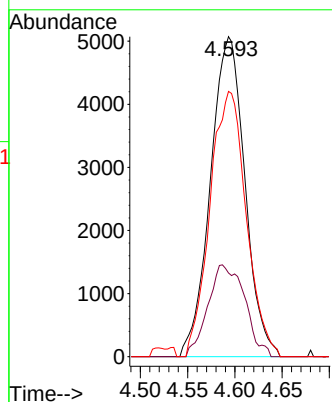
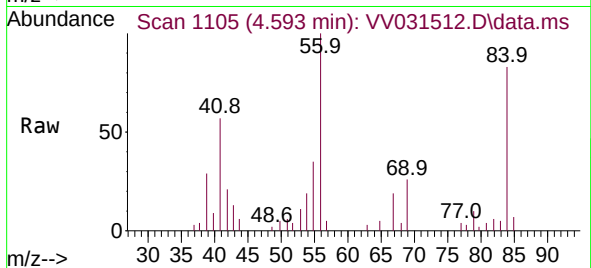
Tgt Ion: 56 Resp: 12874

Ion Ratio Lower Upper

56 100

69 19.3 24.3 36.5#

84 86.9 65.0 97.6



#30

1,1,1-Trichloroethane

Concen: 6.556 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VV031512.D

Acq: 14 Jun 2023 13:31

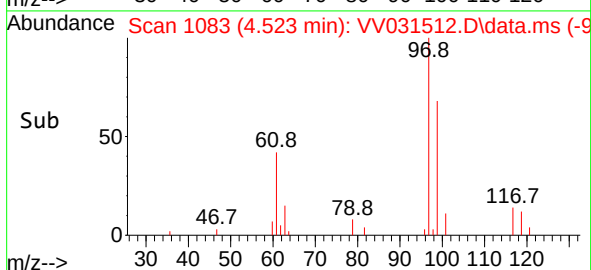
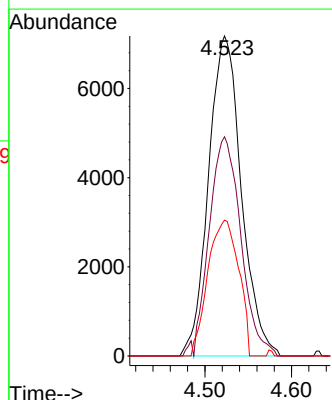
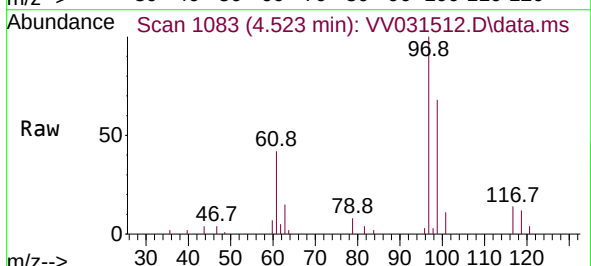
Tgt Ion: 97 Resp: 18893

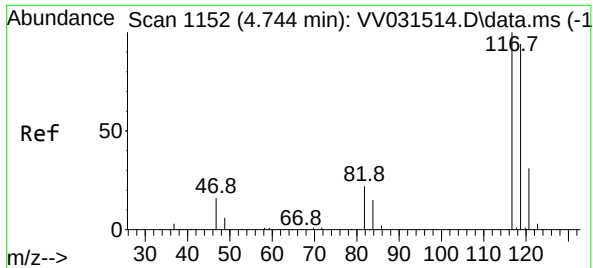
Ion Ratio Lower Upper

97 100

99 65.6 51.8 77.6

61 39.7 33.0 49.6

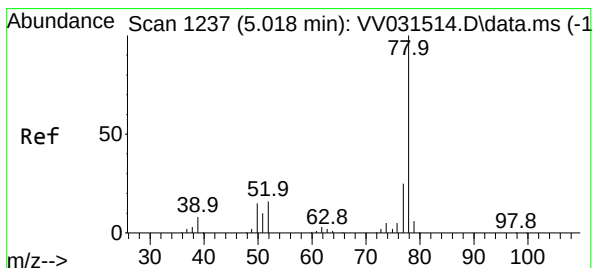
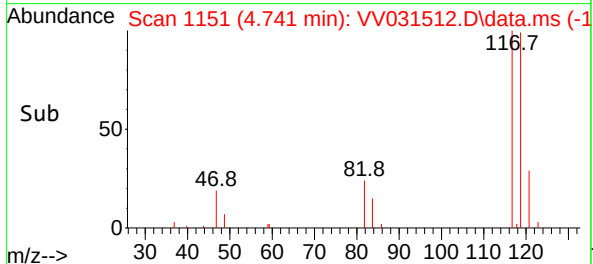
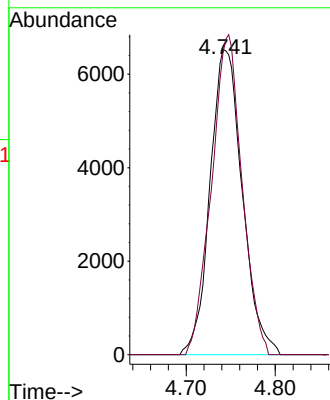
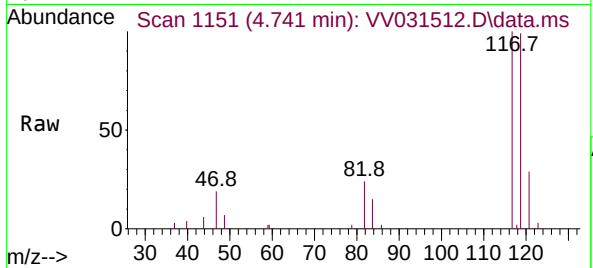




#31
Carbon tetrachloride
Concen: 6.485 ug/L
RT: 4.741 min Scan# 1152
Delta R.T. -0.003 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

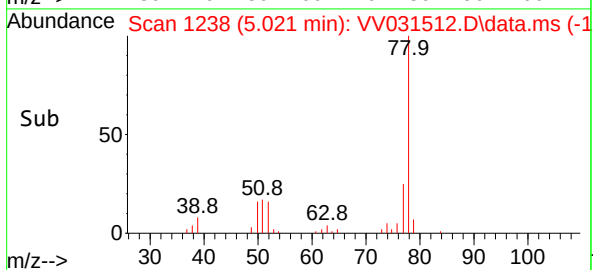
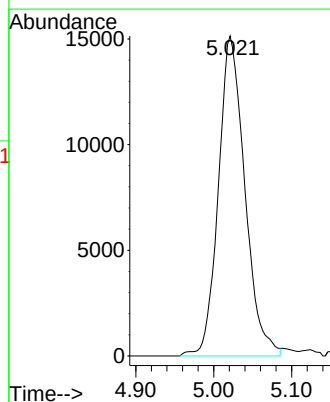
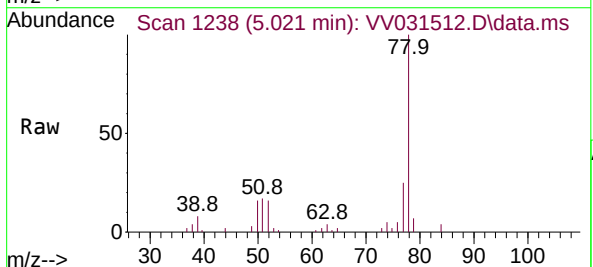
Instrument :
MSVOA_V
ClientSampleId :
VSTD005233

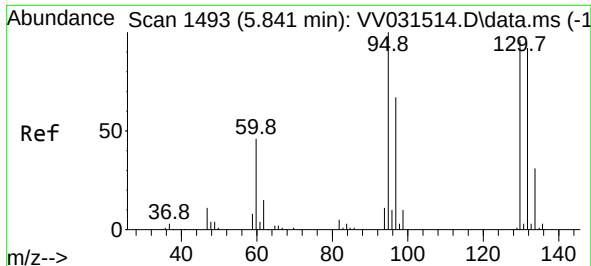
Tgt Ion:117 Resp: 16418
Ion Ratio Lower Upper
117 100
119 99.4 76.2 114.4



#33
Benzene
Concen: 6.227 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

Tgt Ion: 78 Resp: 35699



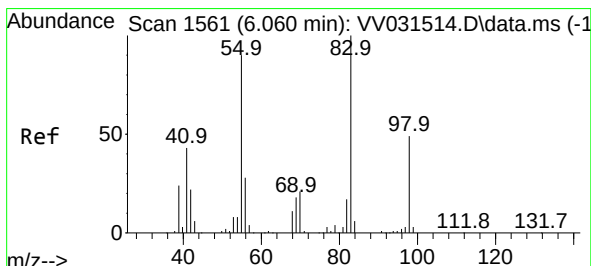
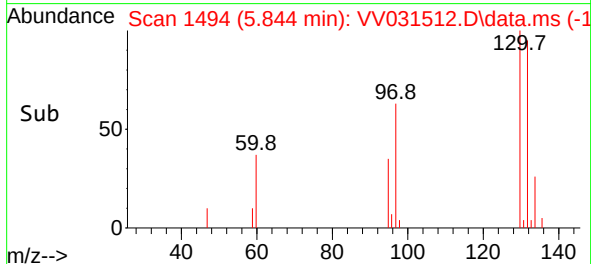
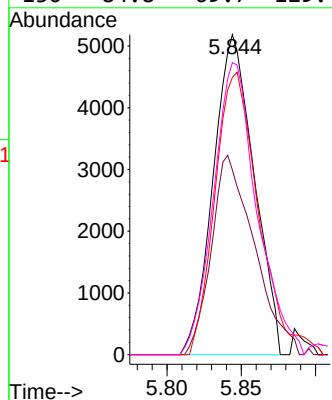
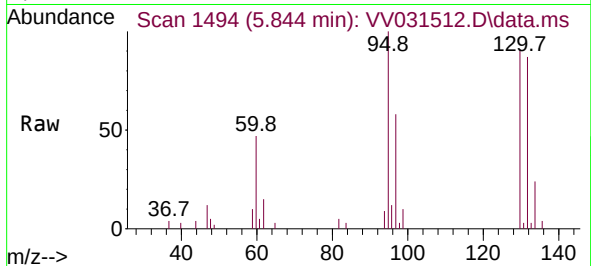


#34
Trichloroethene
Concen: 6.434 ug/L
RT: 5.844 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

Instrument :
MSVOA_V
ClientSampleId :
VSTD005233

Tgt Ion: 95 Resp: 9887

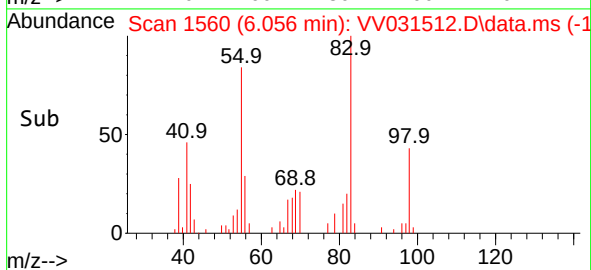
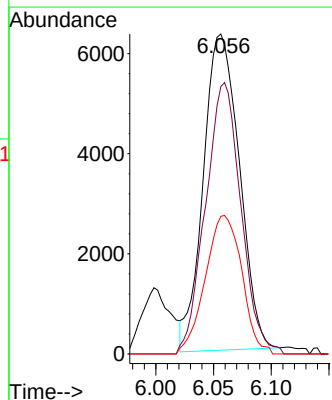
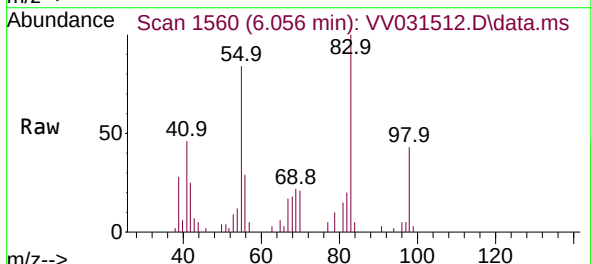
Ion	Ratio	Lower	Upper
95	100		
97	51.7	46.8	86.8
132	80.8	66.4	123.2
130	84.8	69.7	129.4

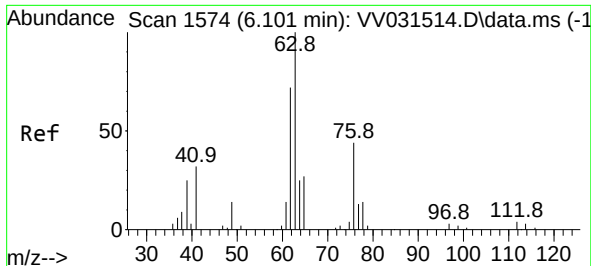


#35
Methylcyclohexane
Concen: 6.512 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.003 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

Tgt Ion: 83 Resp: 13709

Ion	Ratio	Lower	Upper
83	100		
55	84.3	68.7	103.1
98	44.1	37.0	55.4

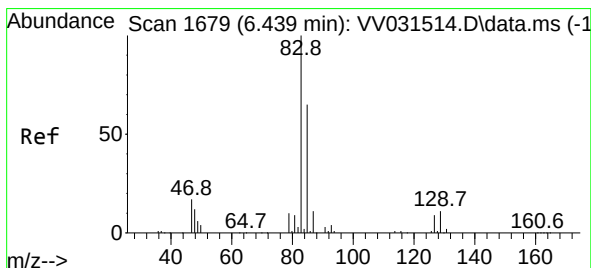
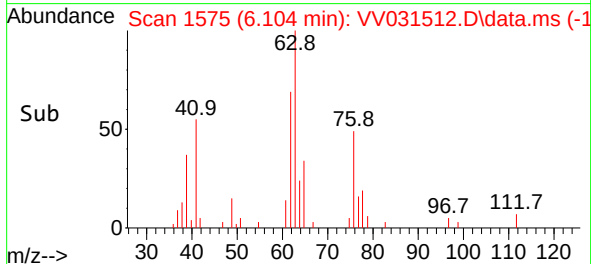
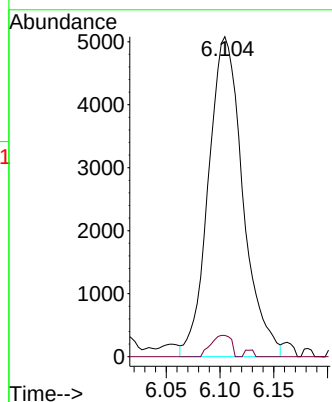
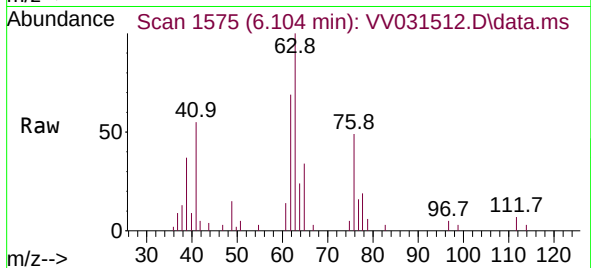




#37
1,2-Dichloropropane
Concen: 7.068 ug/L
RT: 6.104 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

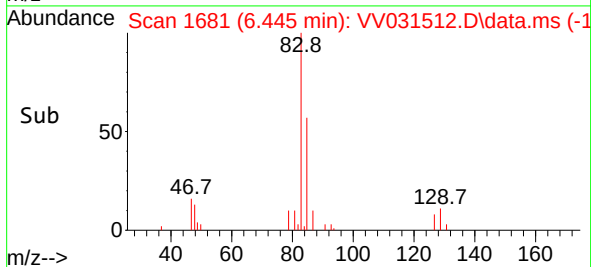
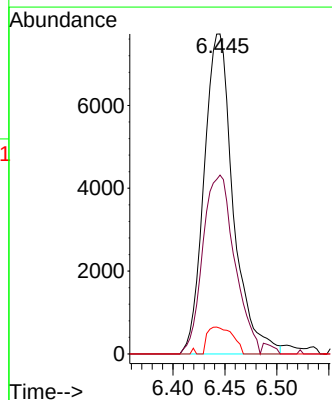
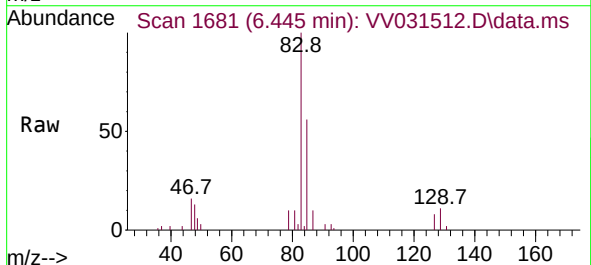
Instrument :
MSVOA_V
ClientSampleId :
VSTD005233

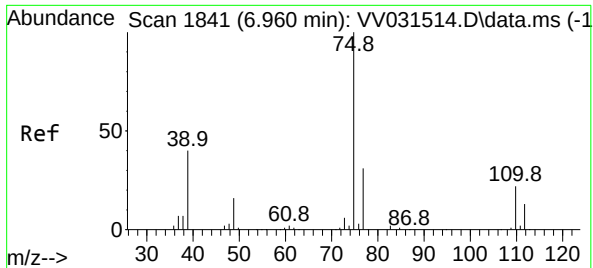
Tgt Ion: 63 Resp: 11335
Ion Ratio Lower Upper
63 100
112 3.9 3.3 4.9



#38
Bromodichloromethane
Concen: 6.279 ug/L
RT: 6.445 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

Tgt Ion: 83 Resp: 15091
Ion Ratio Lower Upper
83 100
85 55.9 45.3 84.1
127 8.1 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 6.046 ug/L

RT: 6.963 min Scan# 1842

Delta R.T. 0.003 min

Lab File: VV031512.D

Acq: 14 Jun 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

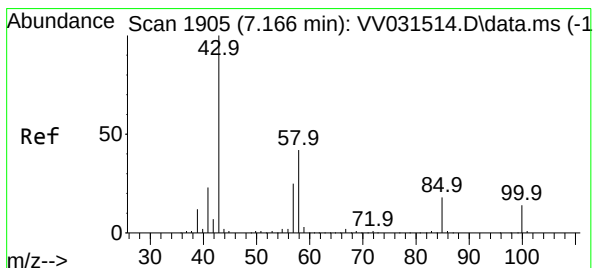
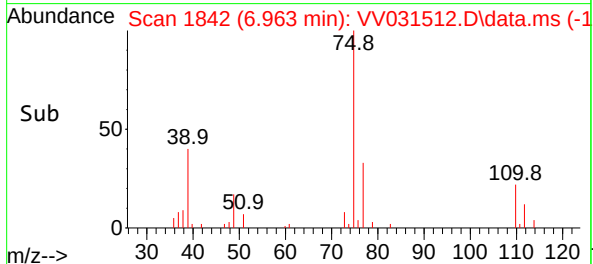
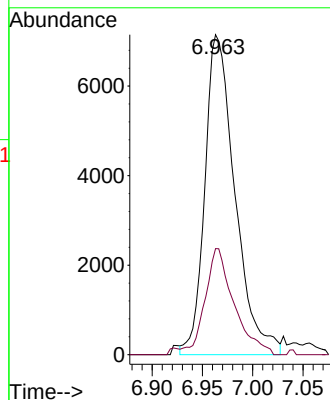
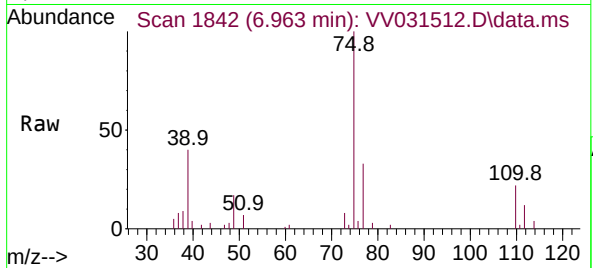
VSTD005233

Tgt Ion: 75 Resp: 14925

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 9.049 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.003 min

Lab File: VV031512.D

Acq: 14 Jun 2023 13:31

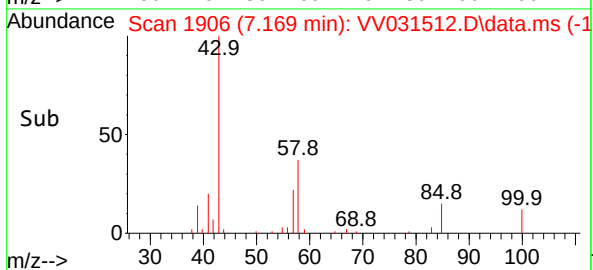
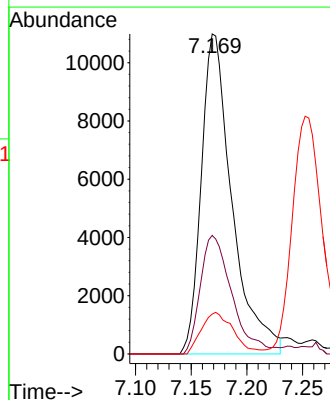
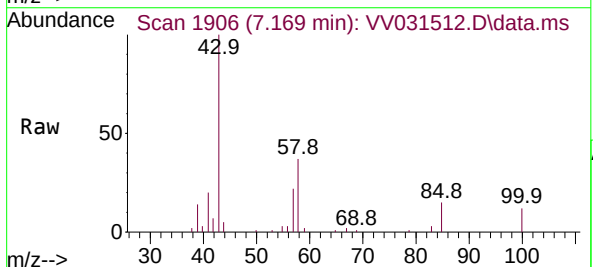
Tgt Ion: 43 Resp: 21136

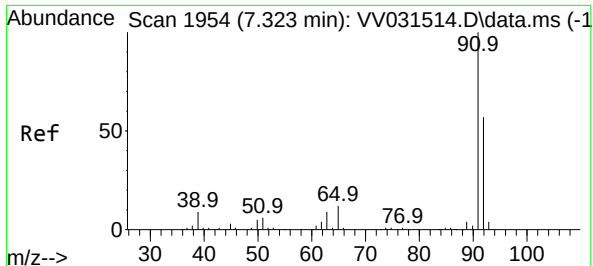
Ion Ratio Lower Upper

43 100

58 37.7 31.8 47.8

100 13.5 11.1 16.7





#42

Toluene

Concen: 5.612 ug/L

RT: 7.326 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VV031512.D

Acq: 14 Jun 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

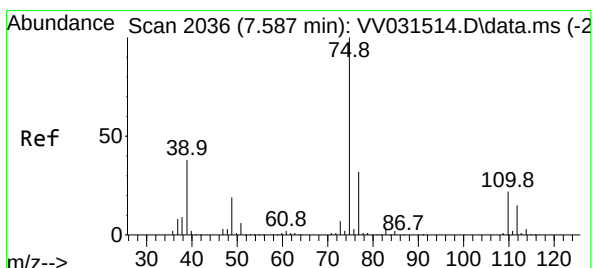
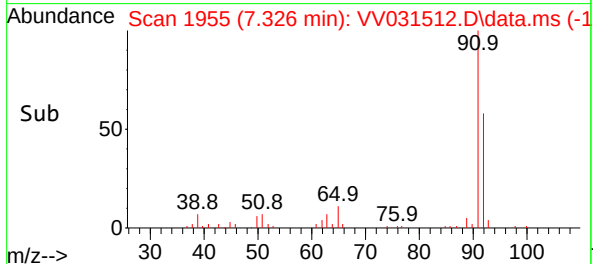
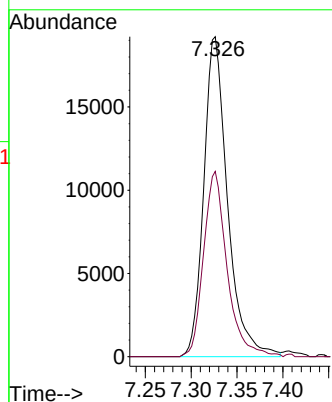
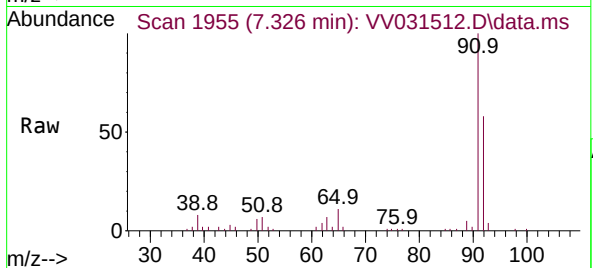
VSTD005233

Tgt Ion: 91 Resp: 34666

Ion Ratio Lower Upper

91 100

92 57.9 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 5.453 ug/L

RT: 7.593 min Scan# 2038

Delta R.T. 0.006 min

Lab File: VV031512.D

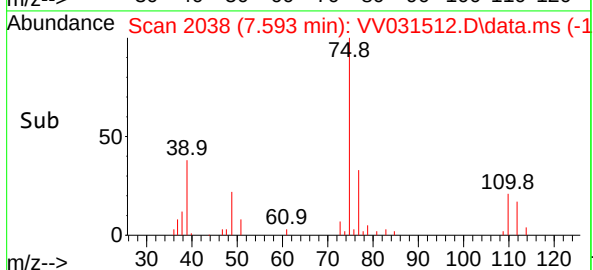
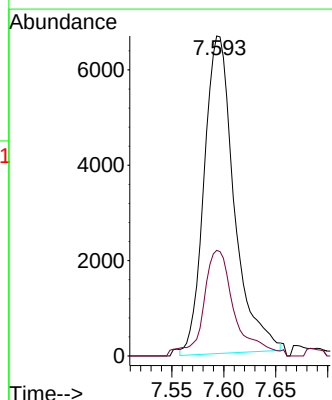
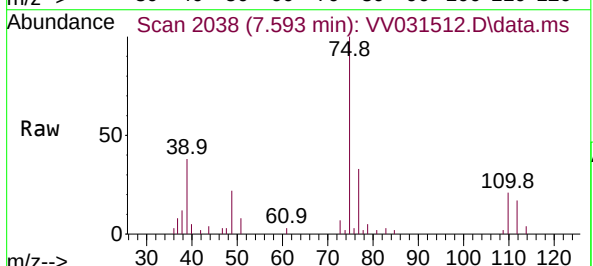
Acq: 14 Jun 2023 13:31

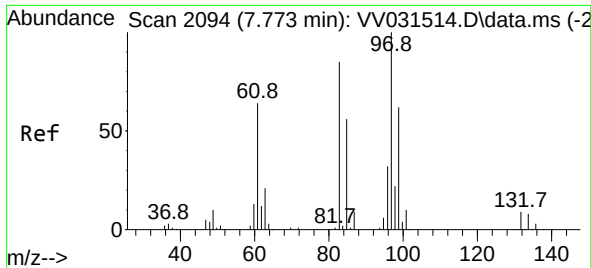
Tgt Ion: 75 Resp: 13431

Ion Ratio Lower Upper

75 100

77 33.0 22.1 41.1



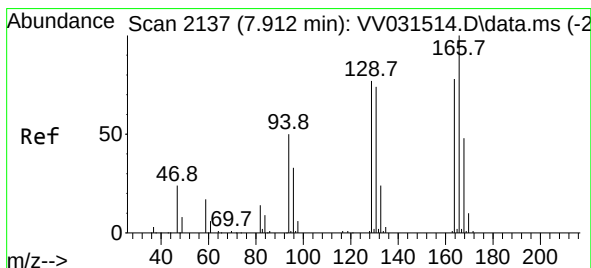
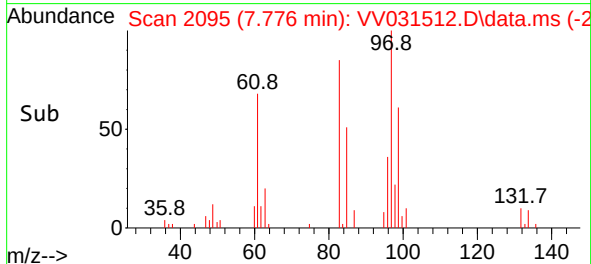
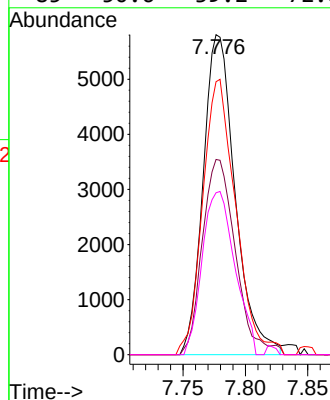
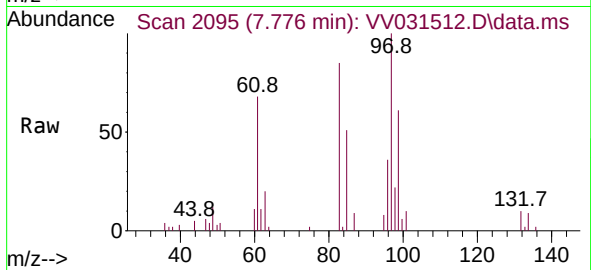


#45
1,1,2-Trichloroethane
Concen: 6.139 ug/L
RT: 7.776 min Scan# 2094
Delta R.T. 0.003 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

Instrument :
MSVOA_V
ClientSampleId :
VSTD005233

Tgt Ion: 97 Resp: 10370

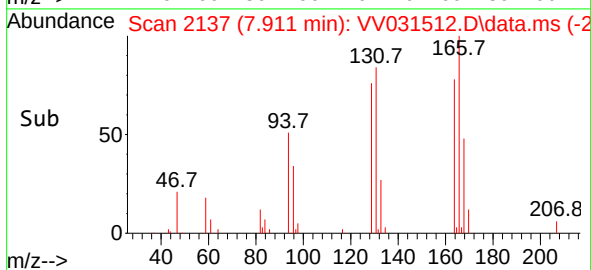
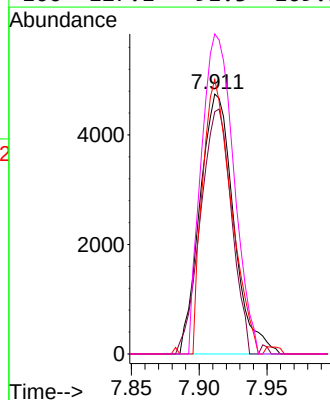
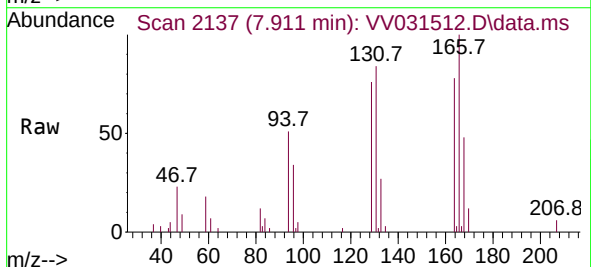
Ion	Ratio	Lower	Upper
97	100		
99	66.9	43.7	81.1
83	87.3	60.9	113.1
85	50.6	39.2	72.8

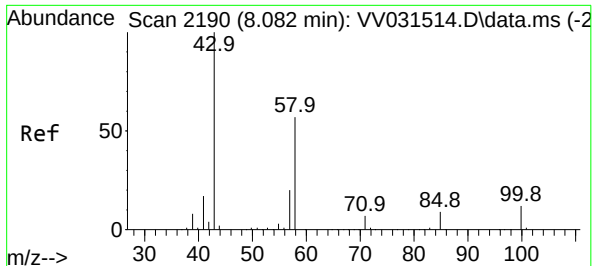


#46
Tetrachloroethene
Concen: 6.334 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

Tgt Ion: 164 Resp: 8198

Ion	Ratio	Lower	Upper
164	100		
129	93.2	68.4	127.0
131	105.6	67.6	125.6
166	127.1	91.3	169.5

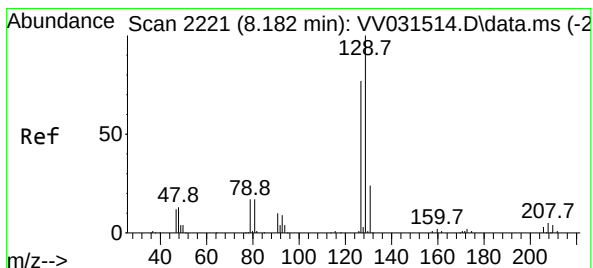
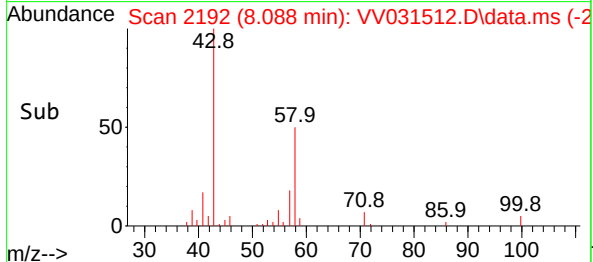
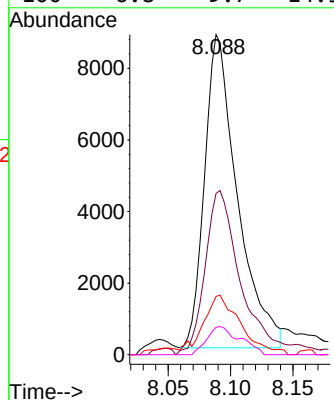
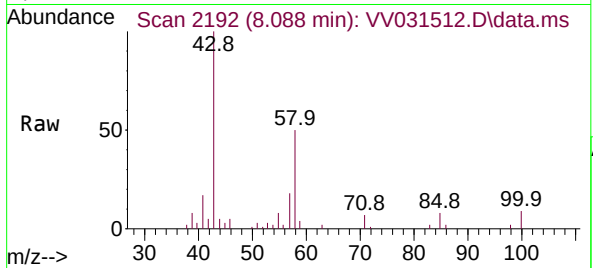




#48
2-Hexanone
Concen: 8.363 ug/L
RT: 8.088 min Scan# 2190
Delta R.T. 0.006 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

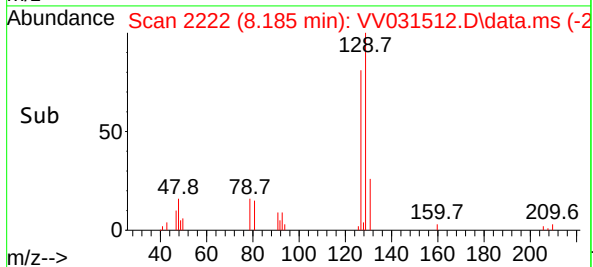
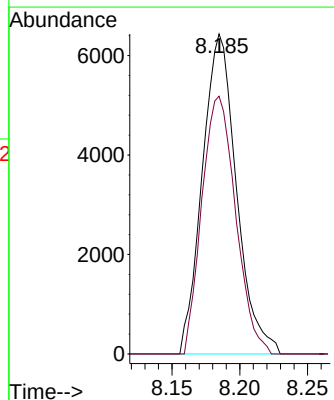
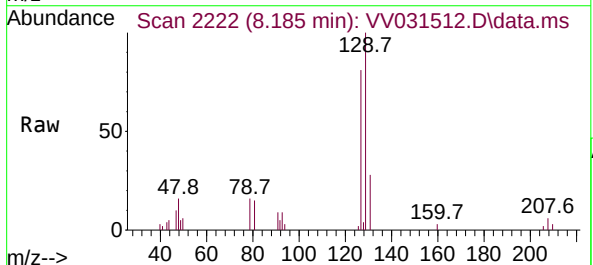
Instrument :
MSVOA_V
ClientSampleId :
VSTD005233

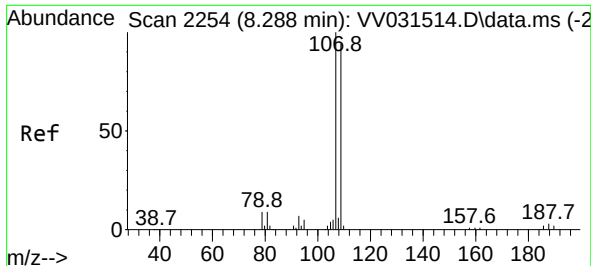
Tgt Ion: 43 Resp: 16014
Ion Ratio Lower Upper
43 100
58 55.9 46.7 70.1
57 17.7 15.5 23.3
100 6.8 9.7 14.5#



#49
Dibromochloromethane
Concen: 5.928 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.003 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

Tgt Ion: 129 Resp: 11275
Ion Ratio Lower Upper
129 100
127 80.5 55.8 103.6





#50

1,2-Dibromoethane

Concen: 6.271 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031512.D

Acq: 14 Jun 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD005233

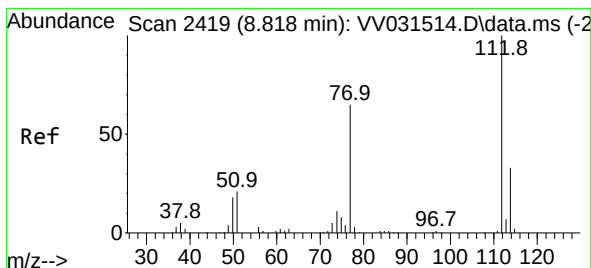
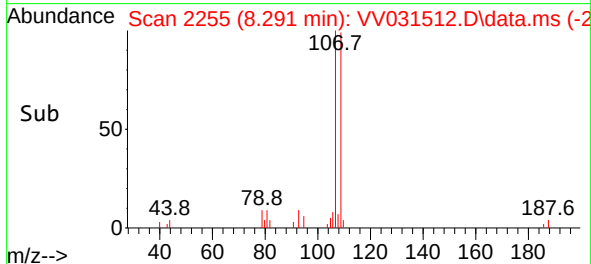
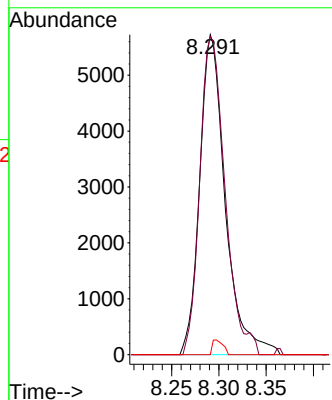
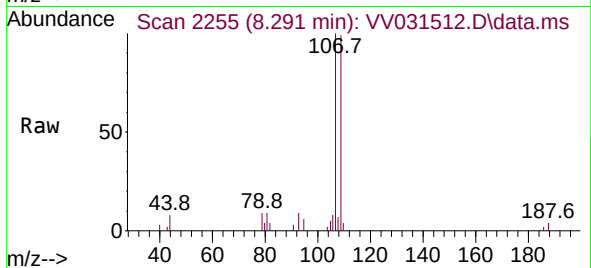
Tgt Ion:107 Resp: 10767

Ion Ratio Lower Upper

107 100

109 96.5 65.7 122.1

188 0.0 2.6 4.0#



#51

Chlorobenzene

Concen: 6.044 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.003 min

Lab File: VV031512.D

Acq: 14 Jun 2023 13:31

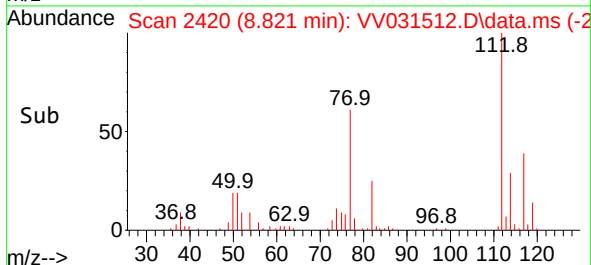
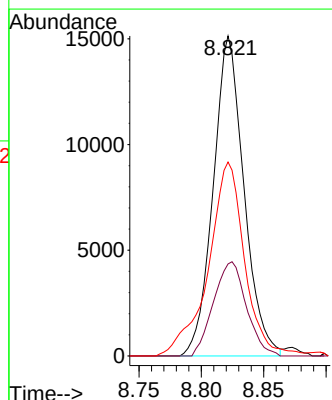
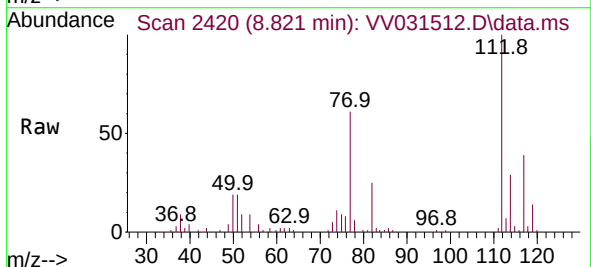
Tgt Ion:112 Resp: 25980

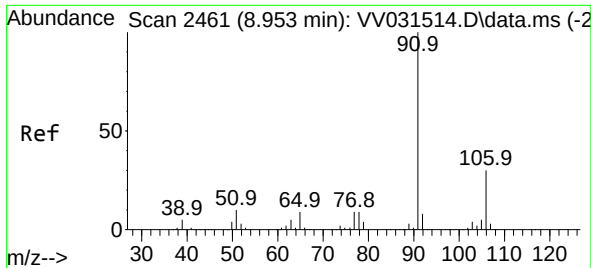
Ion Ratio Lower Upper

112 100

114 28.7 22.9 42.5

77 60.6 52.5 78.7

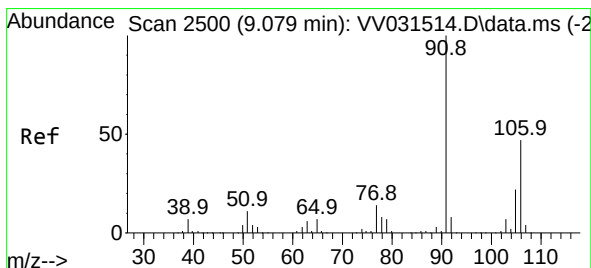
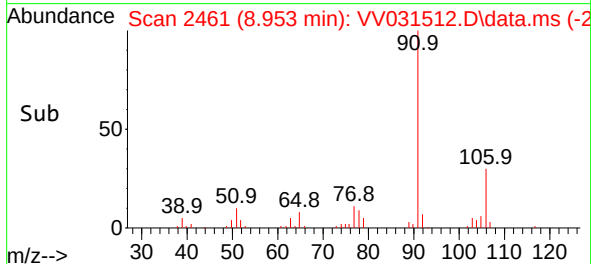
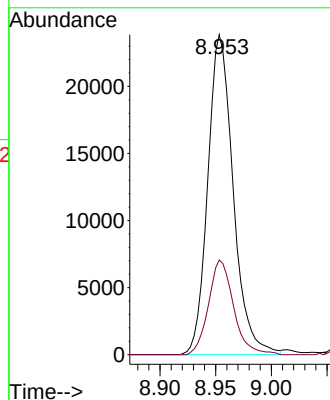
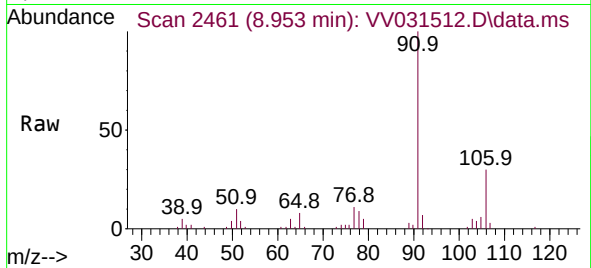




#52
Ethylbenzene
Concen: 5.386 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

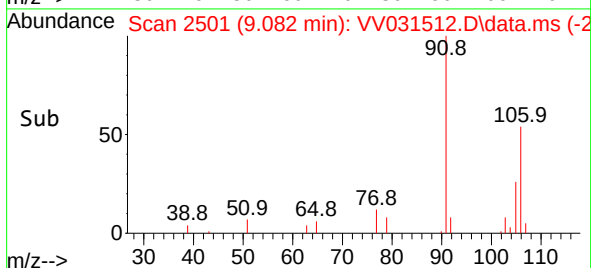
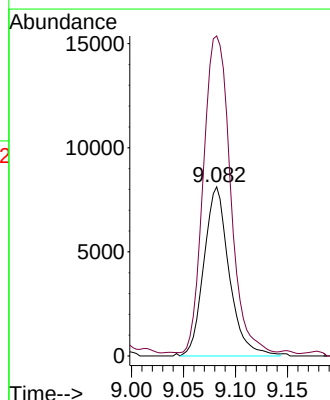
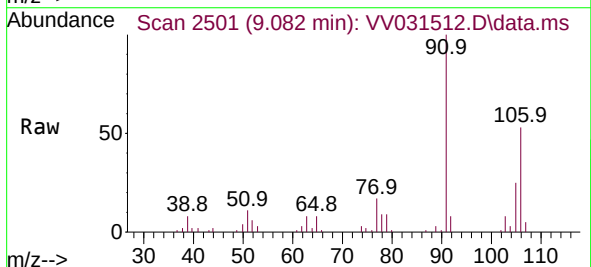
Instrument :
MSVOA_V
ClientSampleId :
VSTD005233

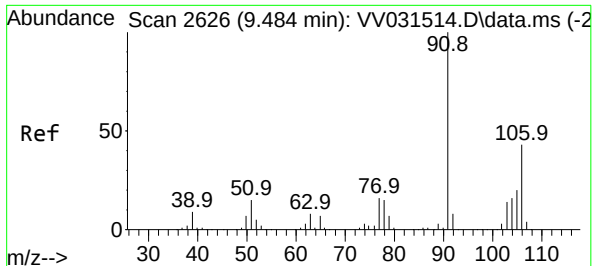
Tgt Ion: 91 Resp: 37880
Ion Ratio Lower Upper
91 100
106 29.6 20.8 38.6



#53
m,p-Xylene
Concen: 5.092 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

Tgt Ion: 106 Resp: 13735
Ion Ratio Lower Upper
106 100
91 189.2 149.0 276.6

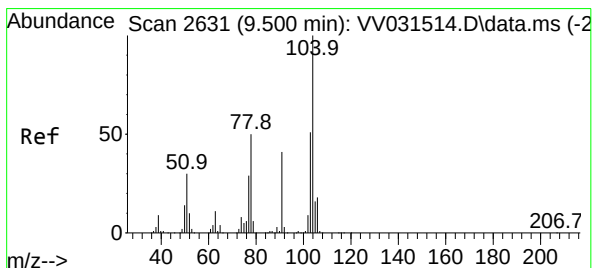
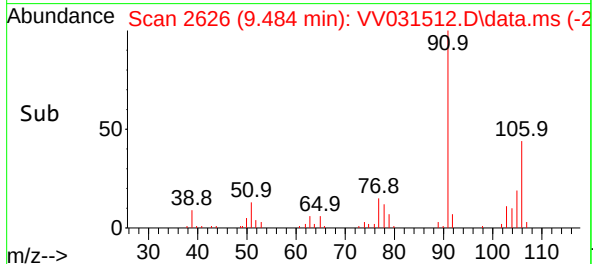
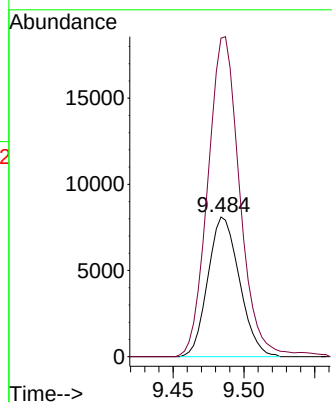
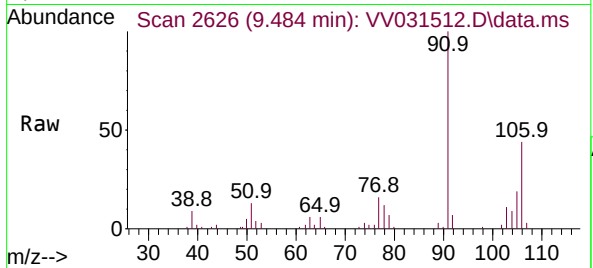




#54
o-Xylene
Concen: 4.765 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

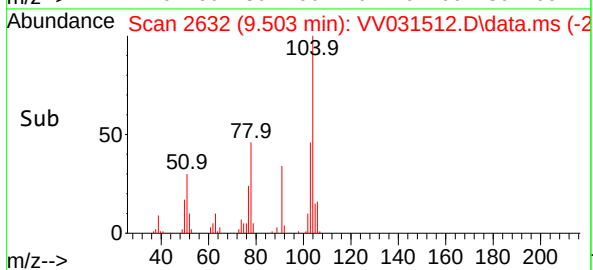
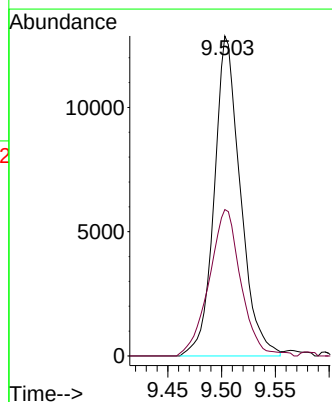
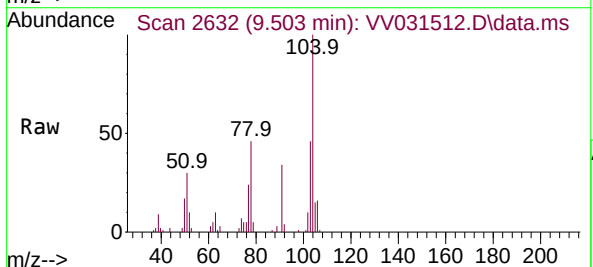
Instrument :
MSVOA_V
ClientSampleId :
VSTD005233

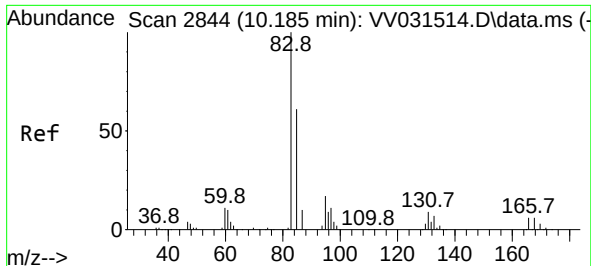
Tgt Ion:106 Resp: 12569
Ion Ratio Lower Upper
106 100
91 228.0 161.3 299.7



#55
Styrene
Concen: 4.646 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.003 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

Tgt Ion:104 Resp: 21773
Ion Ratio Lower Upper
104 100
78 45.7 35.1 65.3





#57

1,1,2,2-Tetrachloroethane

Concen: 5.868 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV031512.D

Acq: 14 Jun 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD005233

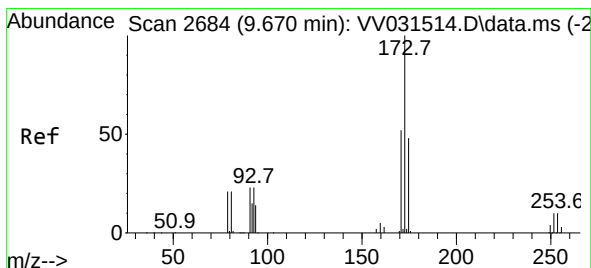
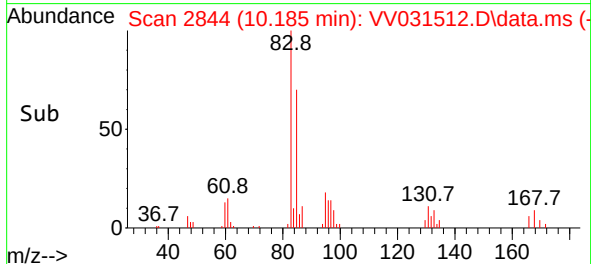
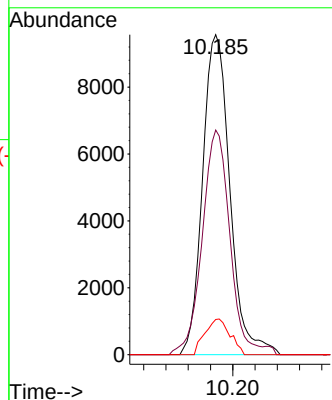
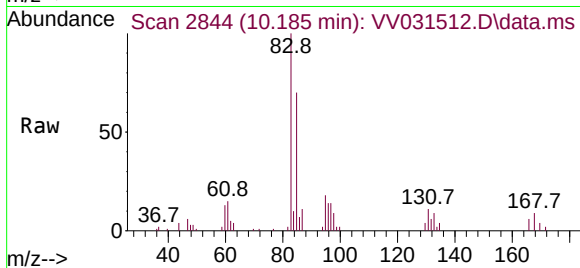
Tgt Ion: 83 Resp: 16332

Ion Ratio Lower Upper

83 100

85 63.9 43.1 80.1

131 15.4 10.6 16.0



#59

Bromoform

Concen: 4.706 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. 0.003 min

Lab File: VV031512.D

Acq: 14 Jun 2023 13:31

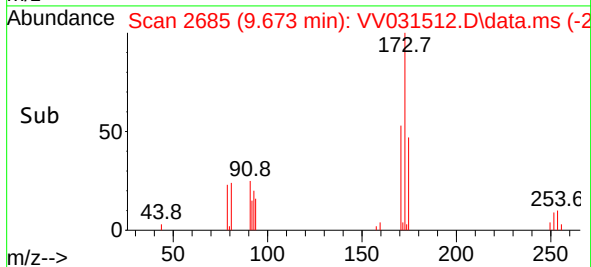
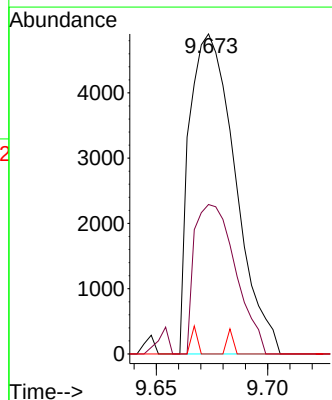
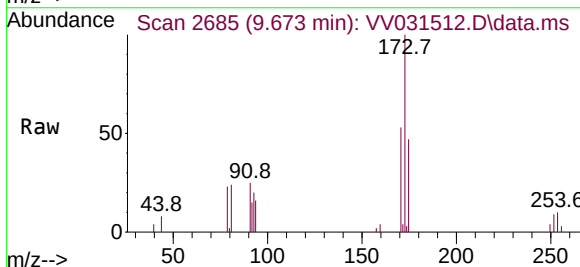
Tgt Ion: 173 Resp: 6972

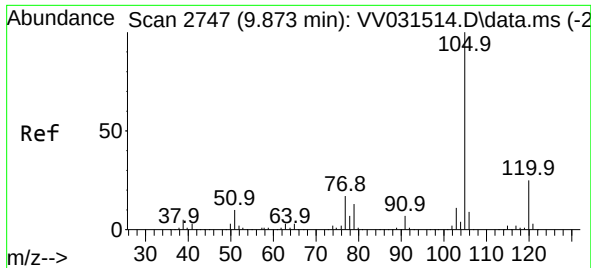
Ion Ratio Lower Upper

173 100

175 42.2 37.7 56.5

254 0.0 0.1 0.1#

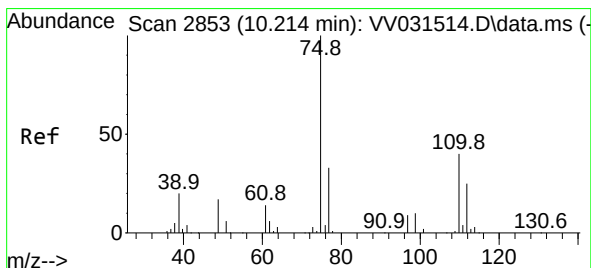
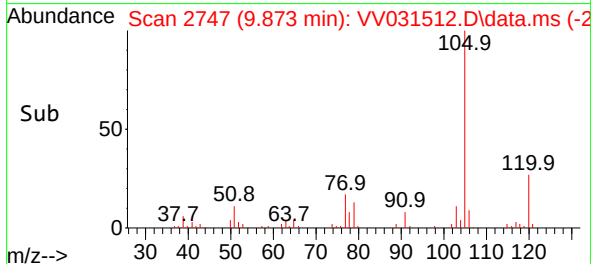
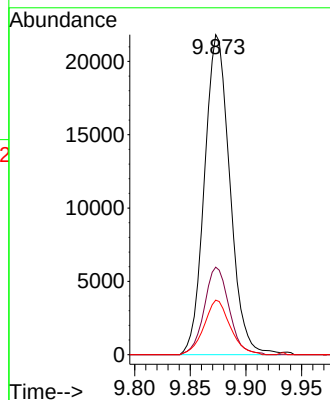
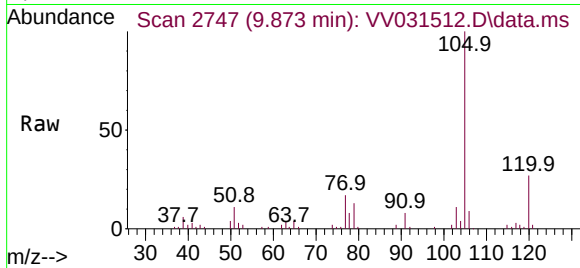




#60
Isopropylbenzene
Concen: 4.969 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

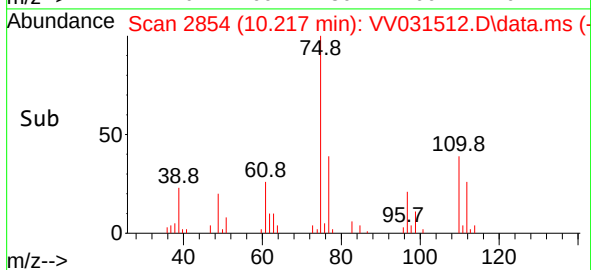
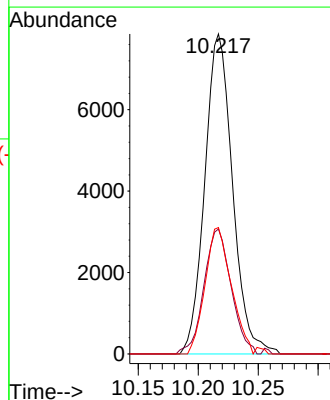
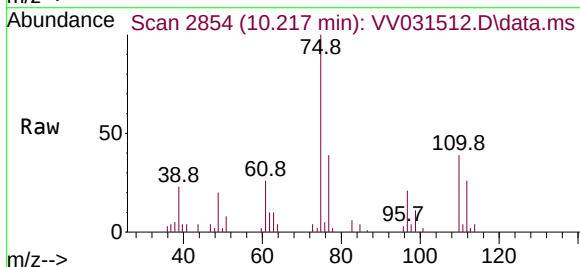
Instrument :
MSVOA_V
ClientSampleId :
VSTD005233

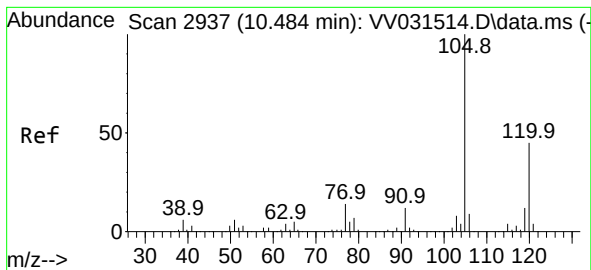
Tgt Ion:105 Resp: 34633
Ion Ratio Lower Upper
105 100
120 26.7 20.2 30.2
77 17.5 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 6.308 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.003 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

Tgt Ion: 75 Resp: 12675
Ion Ratio Lower Upper
75 100
77 38.1 25.4 38.0#
110 37.2 31.3 46.9

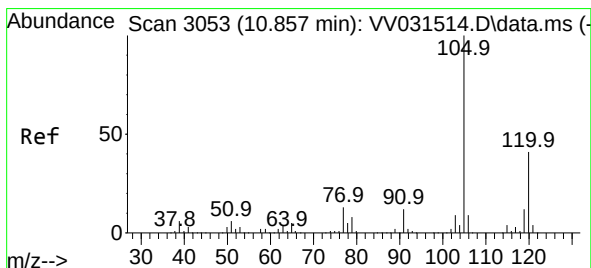
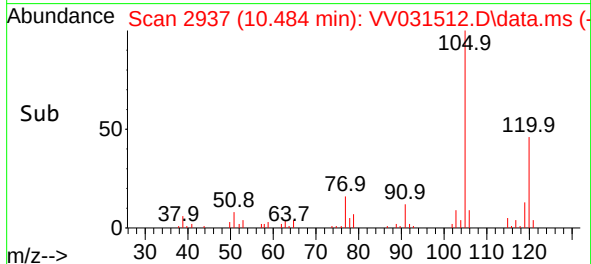
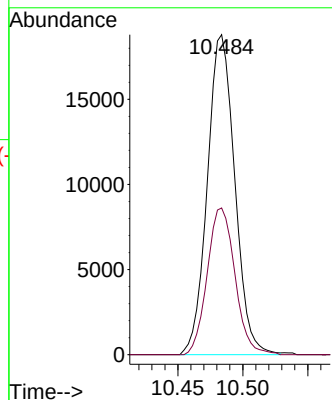
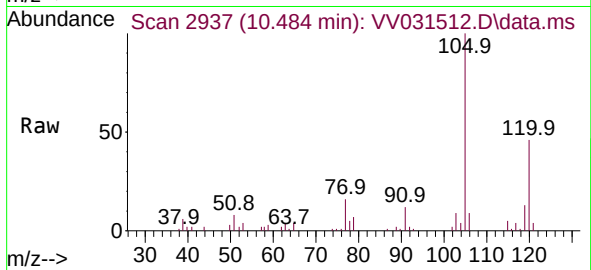




#62
 1,3,5-Trimethylbenzene
 Concen: 4.796 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. -0.000 min
 Lab File: VV031512.D
 Acq: 14 Jun 2023 13:31

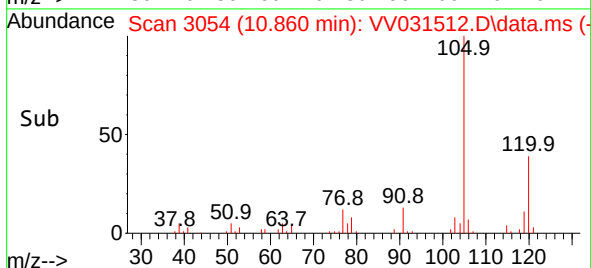
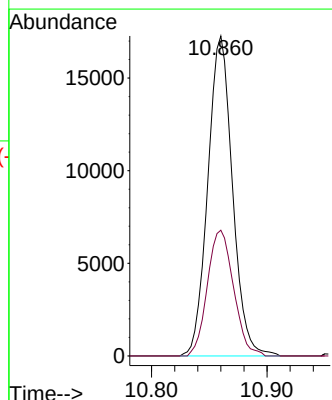
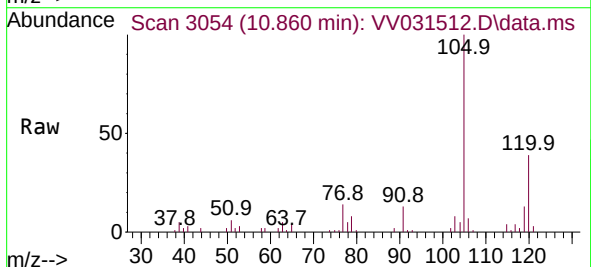
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005233

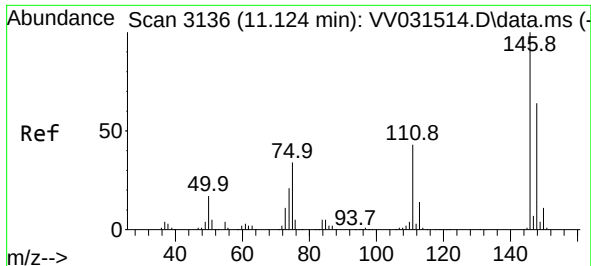
Tgt Ion:105 Resp: 27623
 Ion Ratio Lower Upper
 105 100
 120 46.3 36.2 54.2



#63
 1,2,4-Trimethylbenzene
 Concen: 4.610 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.003 min
 Lab File: VV031512.D
 Acq: 14 Jun 2023 13:31

Tgt Ion:105 Resp: 25654
 Ion Ratio Lower Upper
 105 100
 120 41.6 33.4 50.2

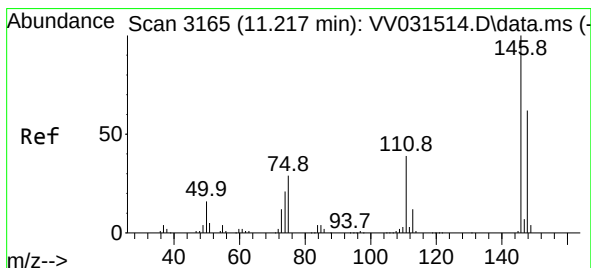
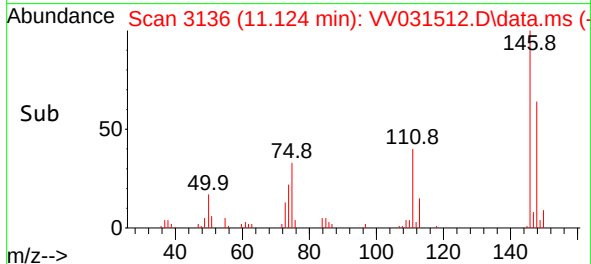
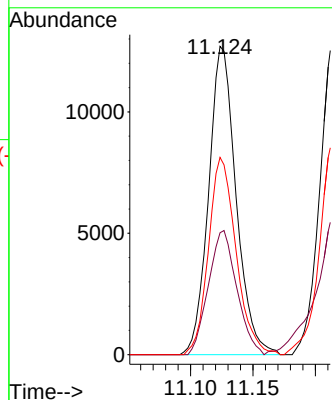
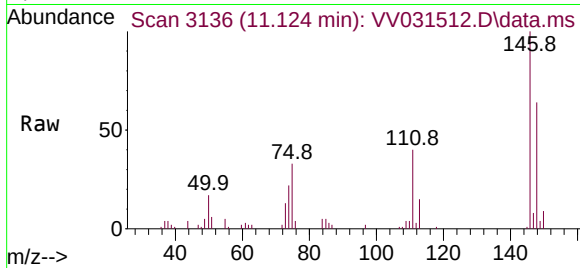




#64
 1,3-Dichlorobenzene
 Concen: 5.533 ug/L
 RT: 11.124 min Scan# 3136
 Delta R.T. -0.000 min
 Lab File: VV031512.D
 Acq: 14 Jun 2023 13:31

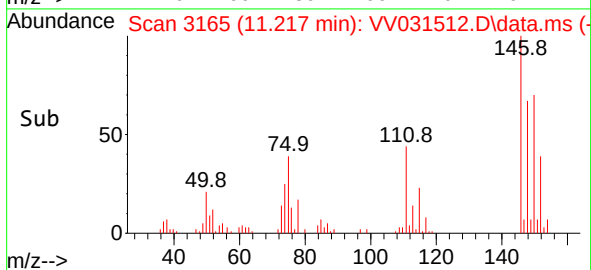
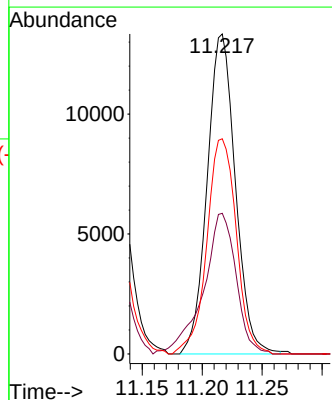
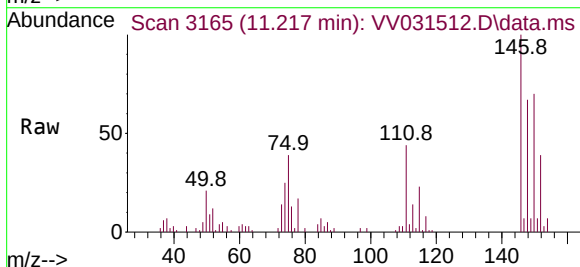
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005233

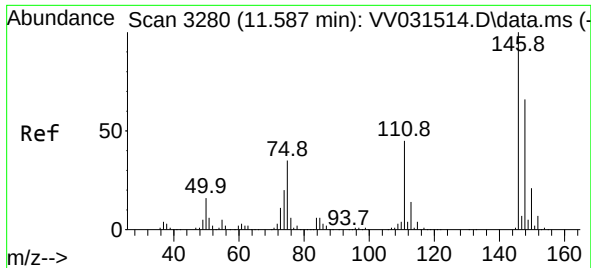
Tgt Ion:146 Resp: 19474
 Ion Ratio Lower Upper
 146 100
 111 39.6 30.4 56.5
 148 64.0 44.7 83.1



#65
 1,4-Dichlorobenzene
 Concen: 5.962 ug/L
 RT: 11.217 min Scan# 3165
 Delta R.T. -0.000 min
 Lab File: VV031512.D
 Acq: 14 Jun 2023 13:31

Tgt Ion:146 Resp: 21840
 Ion Ratio Lower Upper
 146 100
 111 41.0 27.9 51.7
 148 62.7 43.6 81.0

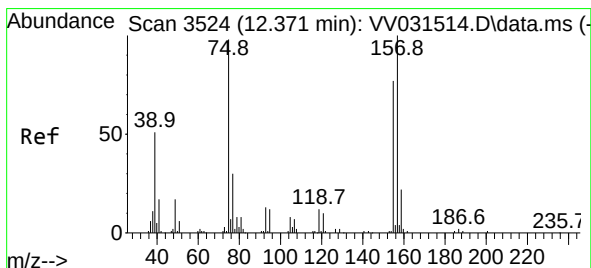
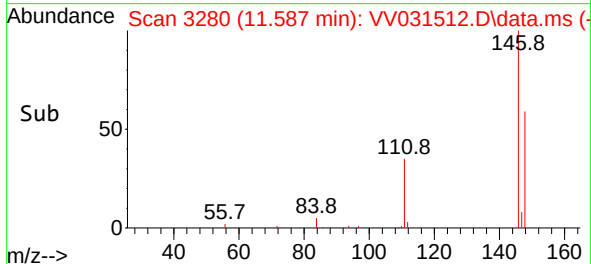
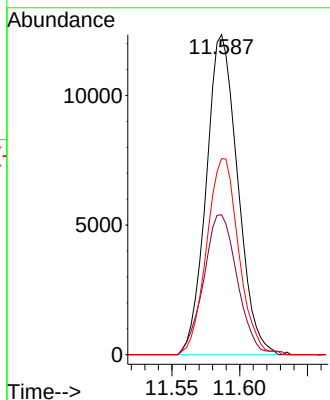
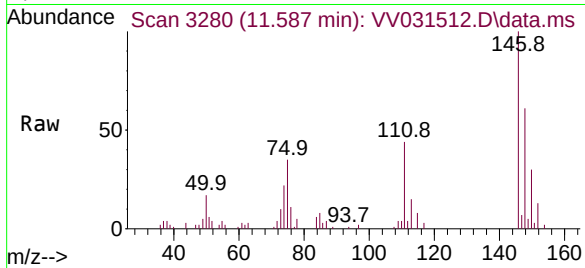




#67
1,2-Dichlorobenzene
Concen: 5.603 ug/L
RT: 11.587 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

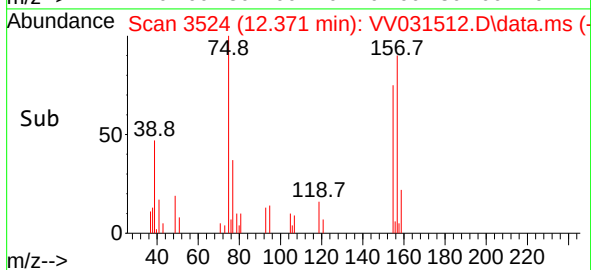
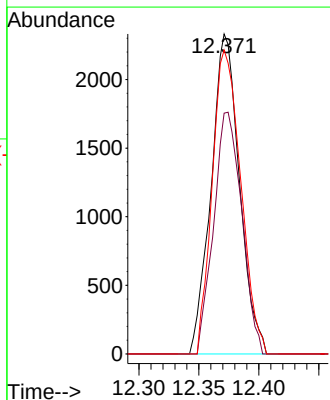
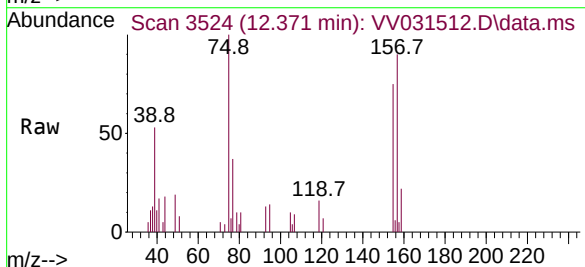
Instrument :
MSVOA_V
ClientSampleId :
VSTD005233

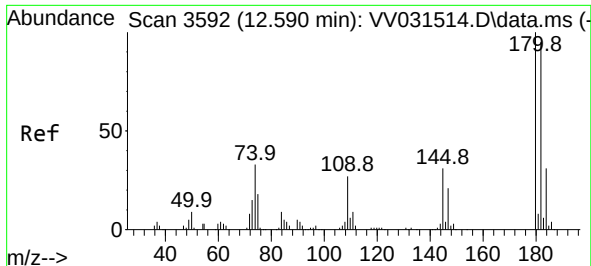
Tgt Ion:146 Resp: 19918
Ion Ratio Lower Upper
146 100
111 43.7 35.9 53.9
148 61.3 52.6 78.8



#68
1,2-Dibromo-3-chloropropane
Concen: 6.215 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. -0.000 min
Lab File: VV031512.D
Acq: 14 Jun 2023 13:31

Tgt Ion: 75 Resp: 3824
Ion Ratio Lower Upper
75 100
155 81.0 63.2 94.8
157 94.9 85.3 127.9





#69

1,3,5-Trichlorobenzene

Concen: 5.588 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. -0.000 min

Lab File: VV031512.D

Acq: 14 Jun 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD005233

Tgt Ion:180 Resp: 15164

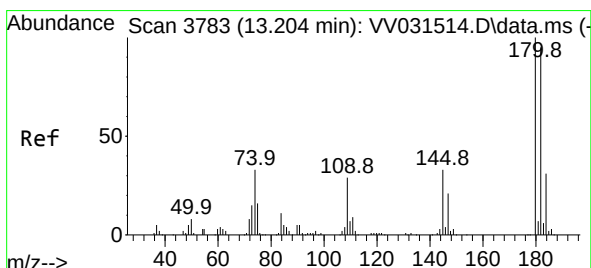
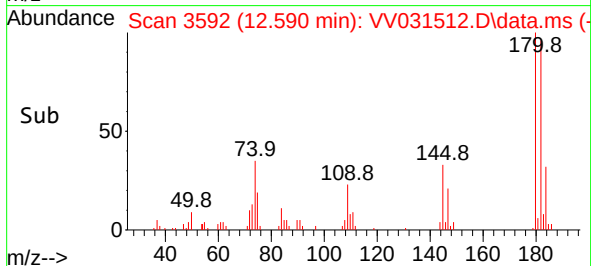
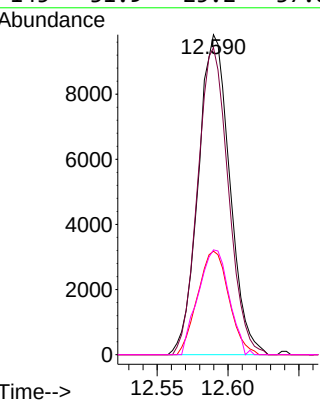
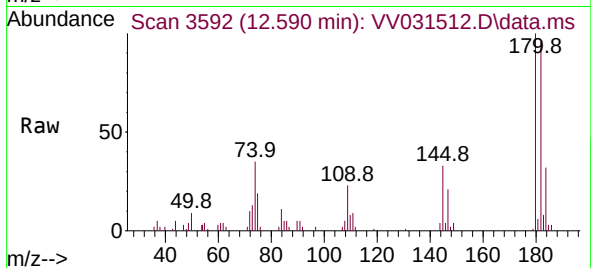
Ion Ratio Lower Upper

180 100

182 93.4 76.6 115.0

184 32.2 24.7 37.1

145 31.9 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 5.468 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.003 min

Lab File: VV031512.D

Acq: 14 Jun 2023 13:31

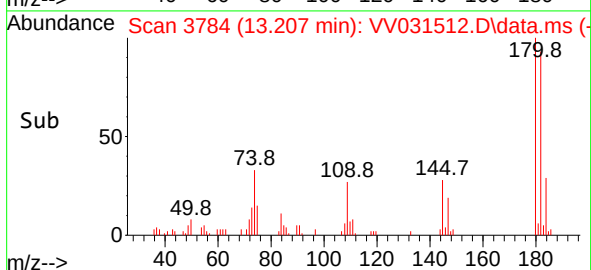
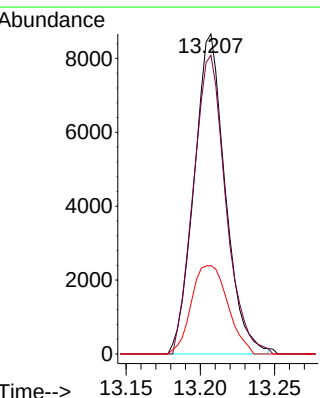
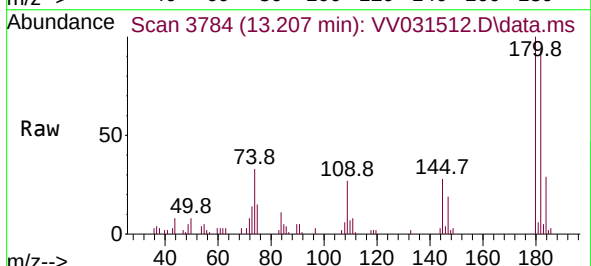
Tgt Ion:180 Resp: 12616

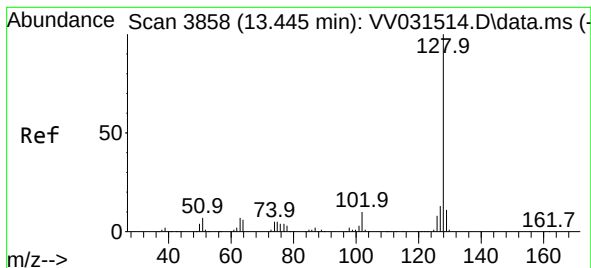
Ion Ratio Lower Upper

180 100

182 96.8 77.7 116.5

145 32.2 26.1 39.1





#71

Naphthalene

Concen: 4.510 ug/L

RT: 13.448 min Scan# 3858

Delta R.T. 0.003 min

Lab File: VV031512.D

Acq: 14 Jun 2023 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD005233

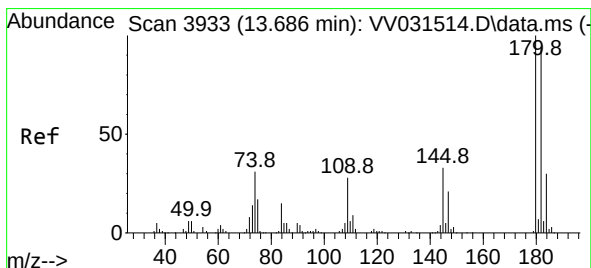
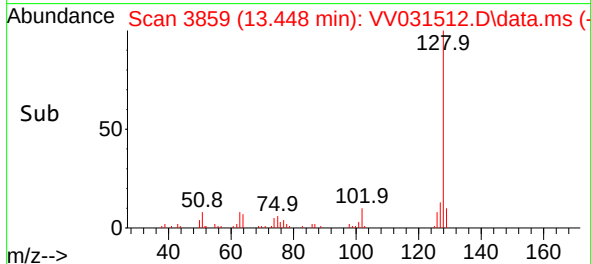
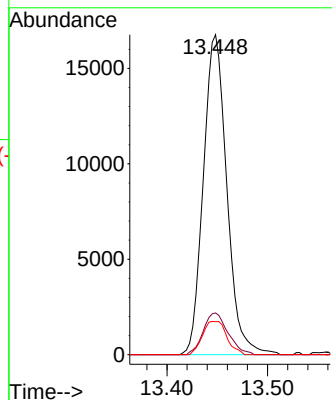
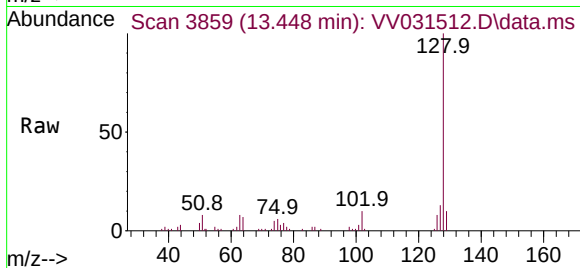
Tgt Ion:128 Resp: 27193

Ion Ratio Lower Upper

128 100

127 13.8 10.6 16.0

129 6.2 8.6 13.0#



#72

1,2,3-Trichlorobenzene

Concen: 5.618 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.003 min

Lab File: VV031512.D

Acq: 14 Jun 2023 13:31

Tgt Ion:180 Resp: 13142

Ion Ratio Lower Upper

180 100

182 95.4 74.0 111.0

145 33.3 26.2 39.2

