

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051923\
 Data File : VV031095.D
 Acq On : 19 May 2023 09:29
 Operator : SY/MD
 Sample : VSTD00521
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005221

Quant Time: May 19 23:54:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 19 23:53:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	269565	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	261692	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	136026	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	11722	5.765	ug/L	0.00
7) Chloroethane-d5	1.535	69	9454	5.622	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	5674	5.874	ug/L	0.00
21) 2-Butanone-d5	3.789	46	58	0.052	ug/L	0.00
24) Chloroform-d	4.256	84	21440	5.859	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	13396	5.603	ug/L	0.00
32) Benzene-d6	4.969	84	34943	5.508	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	11515	5.878	ug/L	0.00
41) Toluene-d8	7.252	98	30530	5.116	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	4673	4.749	ug/L	0.00
47) 2-Hexanone-d5	8.040	63	5940	7.668	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	16394	5.749	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	11898	5.406	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	9047	4.091	ug/L	97
3) Chloromethane	1.217	50	10181	3.589	ug/L	98
5) Vinyl chloride	1.288	62	8498	3.670	ug/L	98
6) Bromomethane	1.490	94	4309	4.488	ug/L	94
8) Chloroethane	1.555	64	5543	3.532	ug/L	97
9) Trichlorofluoromethane	1.719	101	17107	4.442	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	8833	4.343	ug/L	95
12) 1,1-Dichloroethene	1.825	96	40	0.022	ug/L	82
13) Acetone	2.121	43	20360	12.179	ug/L	97
14) Carbon disulfide	2.246	76	13929	2.890	ug/L #	95
15) Methyl Acetate	2.384	43	8269	3.823	ug/L	94
16) Methylene chloride	2.455	84	8790	4.266	ug/L	97
17) trans-1,2-Dichloroethene	2.703	96	6552	3.628	ug/L	98
18) Methyl tert-butyl Ether	2.712	73	23332	3.926	ug/L	95
19) 1,1-Dichloroethane	3.117	63	15551	4.149	ug/L	98
20) cis-1,2-Dichloroethene	3.825	96	7870	3.928	ug/L	95
22) 2-Butanone	3.889	43	3233	1.894	ug/L	79
23) Bromochloromethane	4.159	128	4150	3.723	ug/L	90
25) Chloroform	4.288	83	17191	4.397	ug/L	94
27) 1,2-Dichloroethane	5.053	62	13498	4.055	ug/L	97
29) Cyclohexane	4.593	56	9256	3.170	ug/L #	88
30) 1,1,1-Trichloroethane	4.519	97	16247	4.523	ug/L	97
31) Carbon tetrachloride	4.741	117	13522	4.220	ug/L	90
33) Benzene	5.021	78	29034	3.811	ug/L	100
34) Trichloroethene	5.841	95	8415	4.238	ug/L	96
35) Methylcyclohexane	6.056	83	10219	3.363	ug/L	91
37) 1,2-Dichloropropane	6.104	63	7660	3.721	ug/L	97
38) Bromodichloromethane	6.439	83	13375	4.541	ug/L	92
39) cis-1,3-Dichloropropene	6.966	75	11042	3.566	ug/L	97
40) 4-Methyl-2-pentanone	7.169	43	20111	6.890	ug/L	95
42) Toluene	7.323	91	28059	3.444	ug/L	93
44) trans-1,3-Dichloropropene	7.590	75	10452	3.408	ug/L	95

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 Sample : VSTD00521
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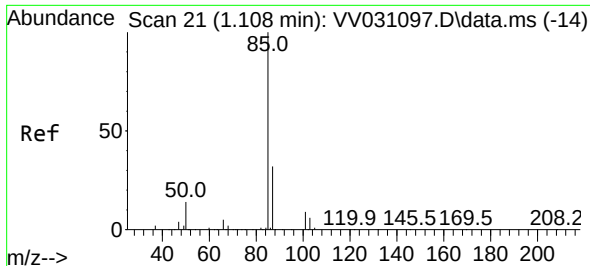
Instrument :
 MSVOA_V
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Quant Time: May 19 23:54:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 19 23:53:31 2023
 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	7.776	97	9040	4.310	ug/L	92
46) Tetrachloroethene	7.911	164	7052	4.072	ug/L	92
48) 2-Hexanone	8.088	43	16126	6.647	ug/L	92
49) Dibromochloromethane	8.185	129	10302	4.448	ug/L	97
50) 1,2-Dibromoethane	8.291	107	9305	4.331	ug/L #	97
51) Chlorobenzene	8.821	112	23441	4.283	ug/L	98
52) Ethylbenzene	8.953	91	33372	3.684	ug/L	96
53) m,p-Xylene	9.082	106	13118	3.826	ug/L	94
54) o-Xylene	9.484	106	12802	3.800	ug/L	95
55) Styrene	9.506	104	21584	3.657	ug/L	90
57) 1,1,2,2-Tetrachloroethane	10.185	83	14675	4.262	ug/L	97
59) Bromoform	9.673	173	8645	5.180	ug/L	97
60) Isopropylbenzene	9.873	105	34216	4.174	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	10783	4.529	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	27827	4.136	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	25258	3.773	ug/L	91
64) 1,3-Dichlorobenzene	11.127	146	17752	4.294	ug/L	95
65) 1,4-Dichlorobenzene	11.217	146	18627	4.279	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	17346	4.144	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	3197	4.546	ug/L #	87
69) 1,3,5-Trichlorobenzene	12.590	180	14224	4.564	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	10347	3.887	ug/L	92
71) Naphthalene	13.451	128	23232	3.230	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	10058	3.812	ug/L	100

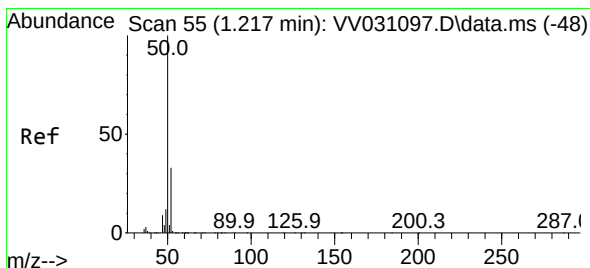
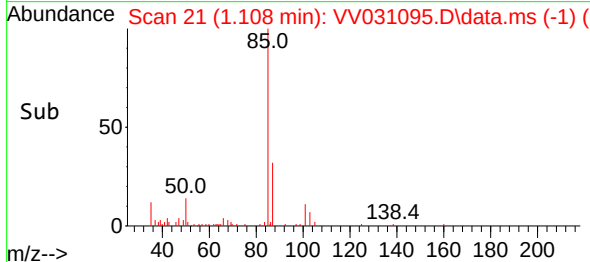
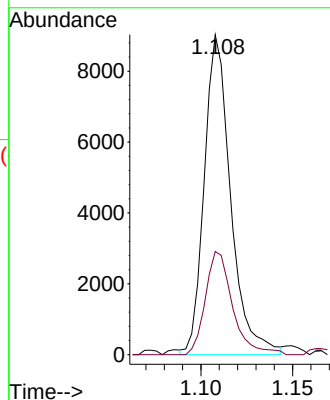
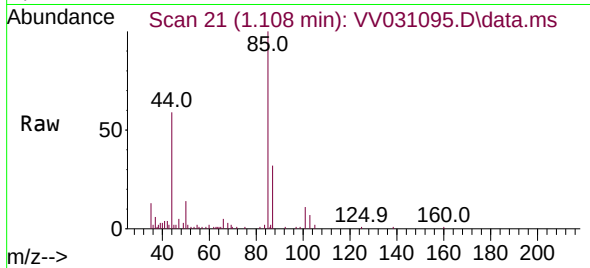
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.091 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031095.D
 Acq: 19 May 2023 09:29

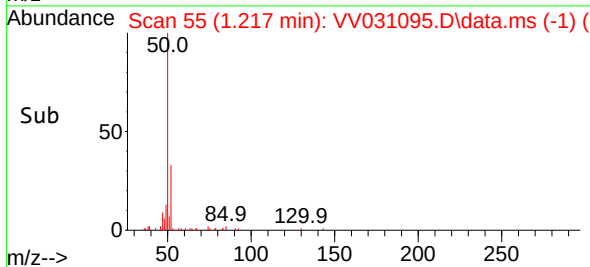
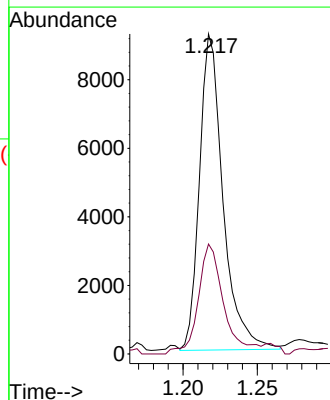
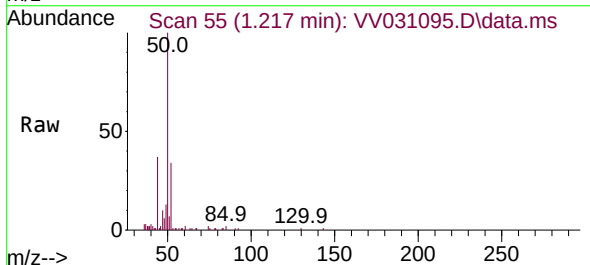
Instrument :
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 ClientSampleId :
 VSTD005221

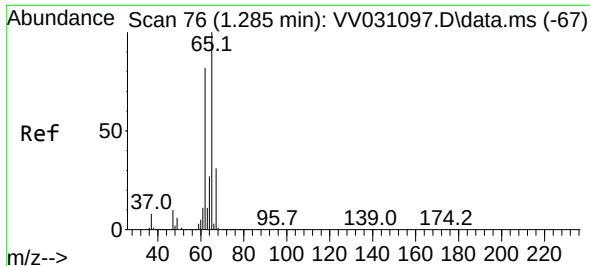
Tgt Ion: 85 Resp: 9047
 Ion Ratio Lower Upper
 85 100
 87 33.1 25.2 37.8



#3
 Chloromethane
 Concen: 3.589 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031095.D
 Acq: 19 May 2023 09:29

Tgt Ion: 50 Resp: 10181
 Ion Ratio Lower Upper
 50 100
 52 34.3 23.3 43.3

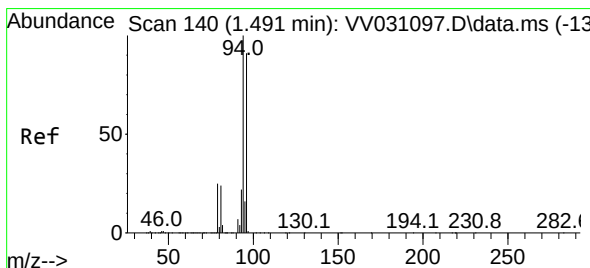
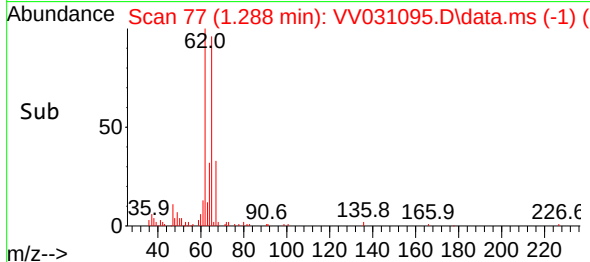
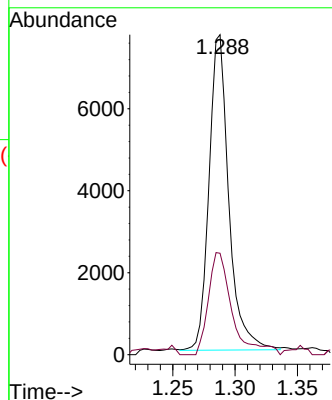
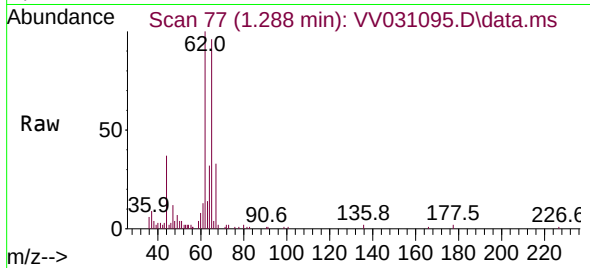




#5
 Vinyl chloride
 Concen: 3.670 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VV031095.D
 Acq: 19 May 2023 09:29

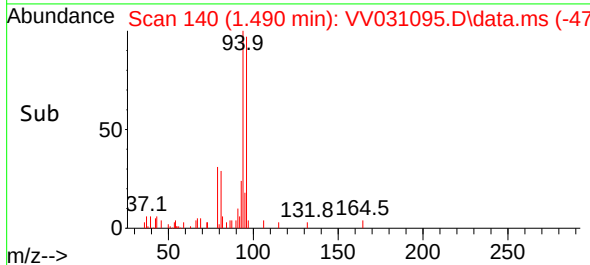
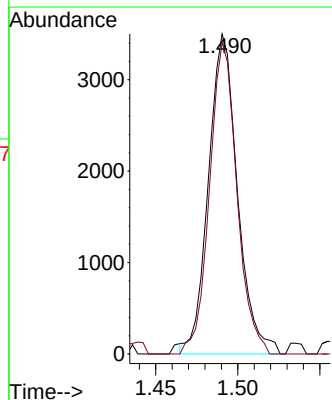
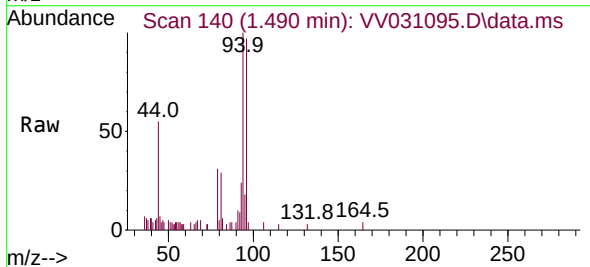
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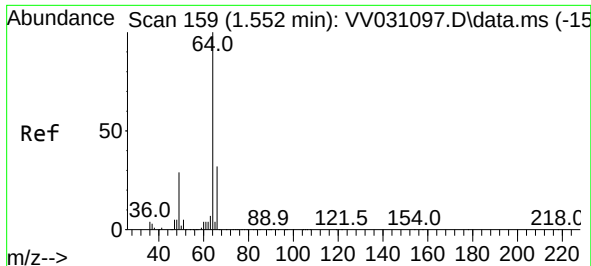
Tgt Ion: 62 Resp: 8498
 Ion Ratio Lower Upper
 62 100
 64 31.7 23.1 42.9



#6
 Bromomethane
 Concen: 4.488 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV031095.D
 Acq: 19 May 2023 09:29

Tgt Ion: 94 Resp: 4309
 Ion Ratio Lower Upper
 94 100
 96 97.2 63.9 118.7

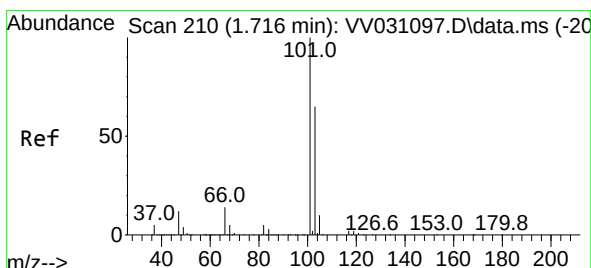
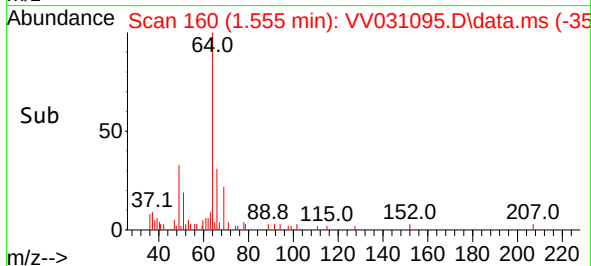
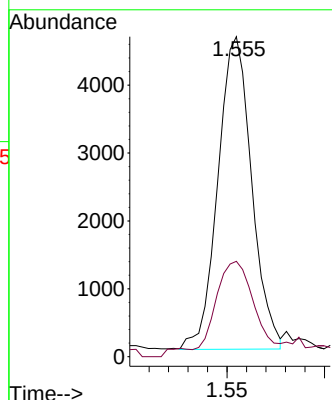
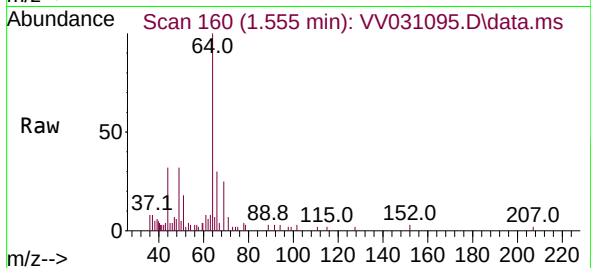




#8
Chloroethane
Concen: 3.532 ug/L
RT: 1.555 min Scan# 10
Delta R.T. 0.003 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

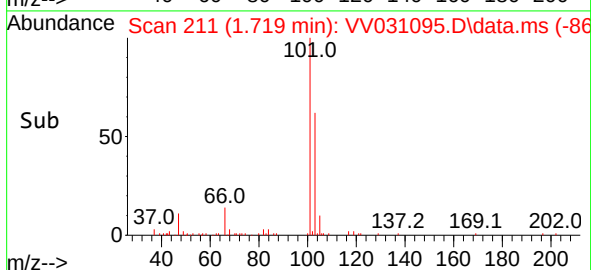
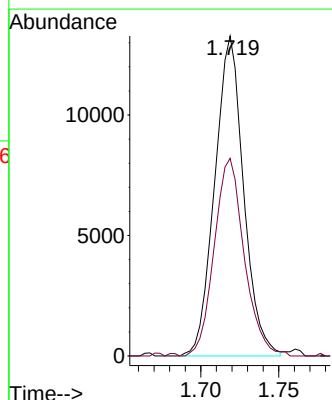
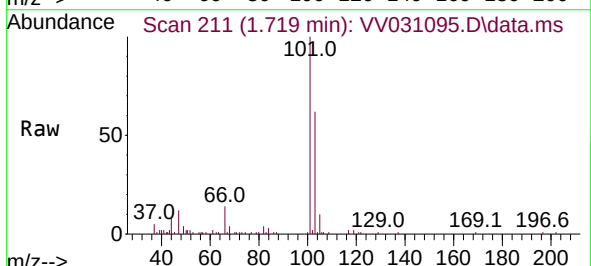
Instrument :
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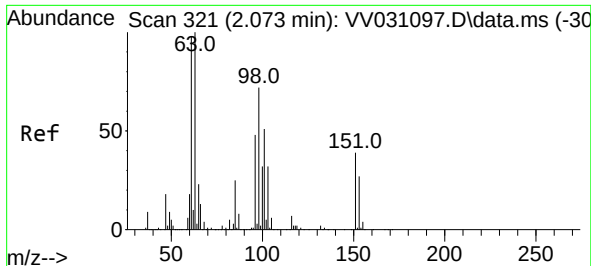
Tgt Ion: 64 Resp: 5543
Ion Ratio Lower Upper
64 100
66 29.8 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.442 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

Tgt Ion: 101 Resp: 17107
Ion Ratio Lower Upper
101 100
103 64.0 51.4 77.2

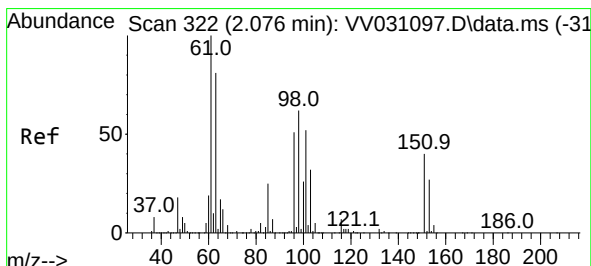
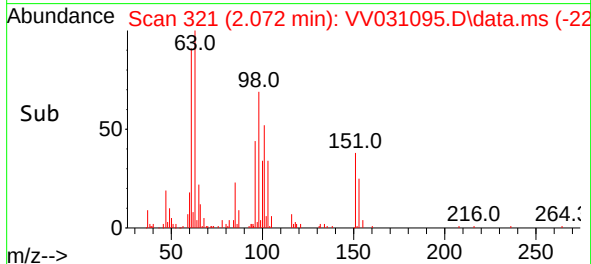
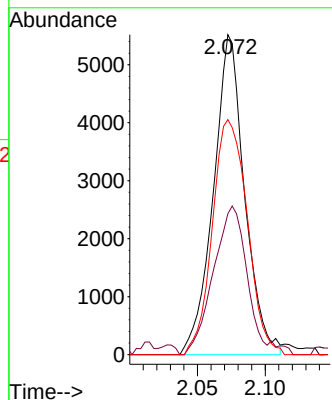
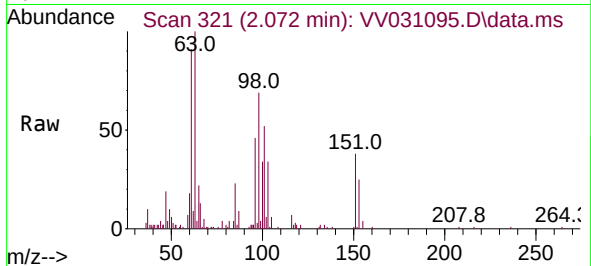




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.343 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV031095.D
 Acq: 19 May 2023 09:29

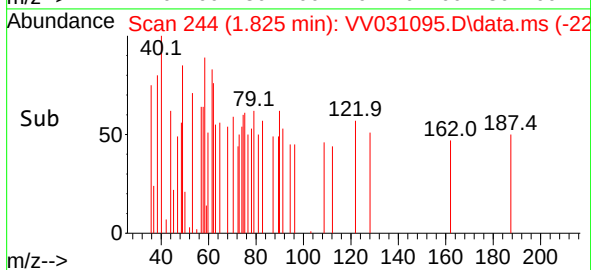
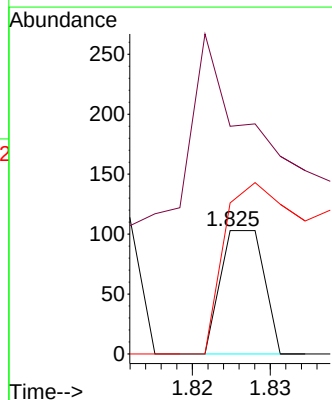
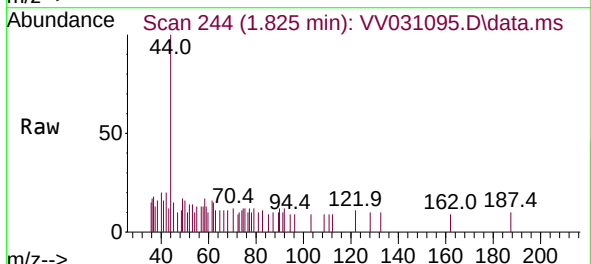
Instrument :
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 ClientSampleId :
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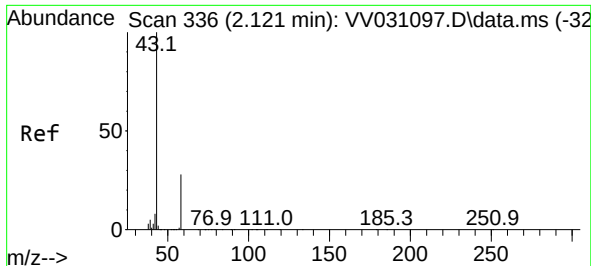
Tgt Ion:	101	Resp:	8833
Ion	Ratio	Lower	Upper
101	100		
85	49.3	38.0	57.0
151	82.1	61.7	92.5



#12
 1,1-Dichloroethene
 Concen: 0.022 ug/L
 RT: 1.825 min Scan# 244
 Delta R.T. -0.251 min
 Lab File: VV031095.D
 Acq: 19 May 2023 09:29

Tgt Ion:	96	Resp:	40
Ion	Ratio	Lower	Upper
96	100		
61	184.5	137.9	256.1
63	122.3	114.2	212.0





#13

Acetone

Concen: 12.179 ug/L

RT: 2.121 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031095.D

Acq: 19 May 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

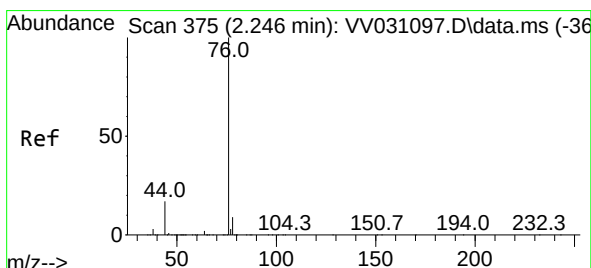
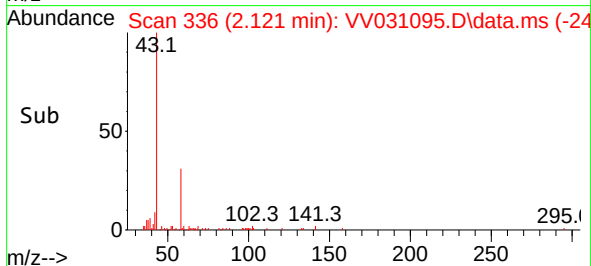
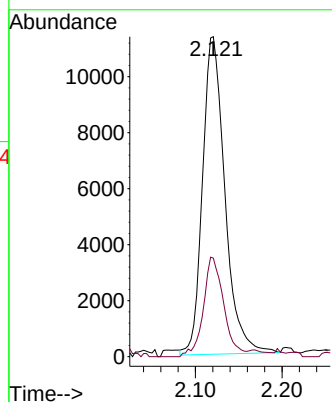
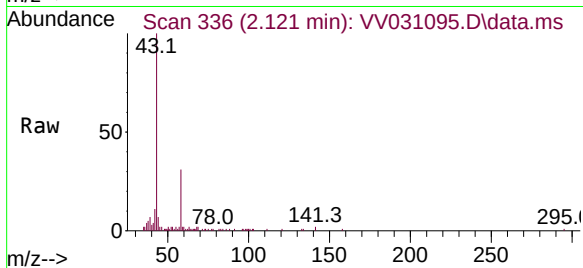
VSTD005221

Tgt Ion: 43 Resp: 20360

Ion Ratio Lower Upper

43 100

58 28.6 0.0 54.0



#14

Carbon disulfide

Concen: 2.890 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV031095.D

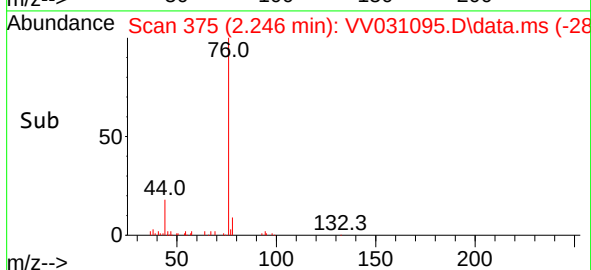
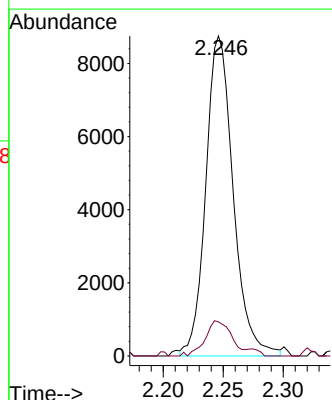
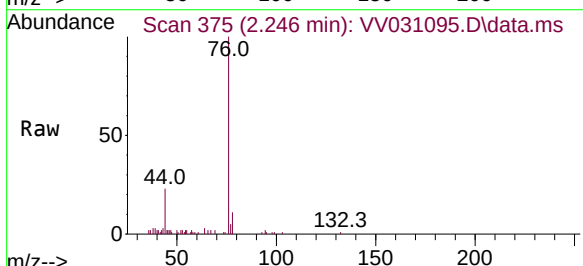
Acq: 19 May 2023 09:29

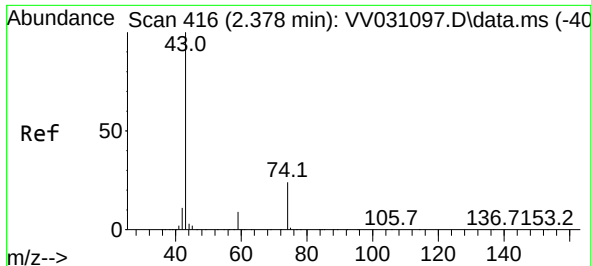
Tgt Ion: 76 Resp: 13929

Ion Ratio Lower Upper

76 100

78 10.7 7.0 10.4#

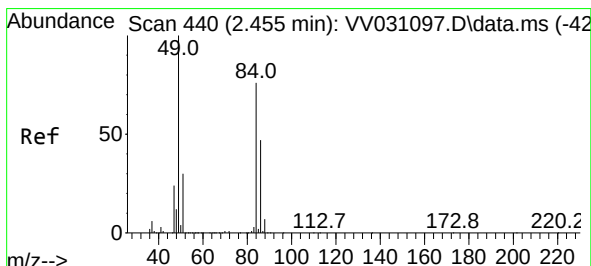
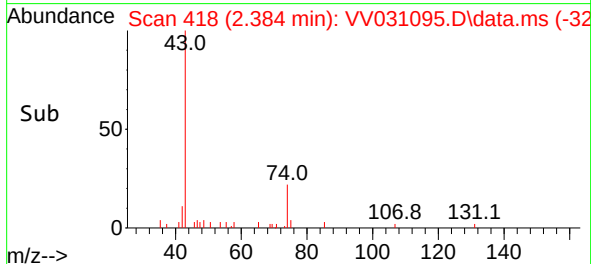
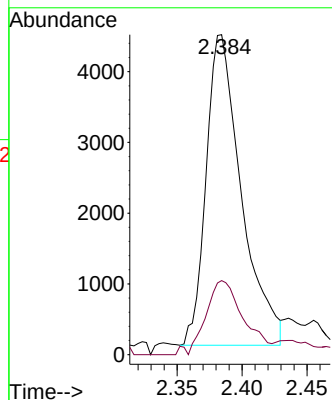
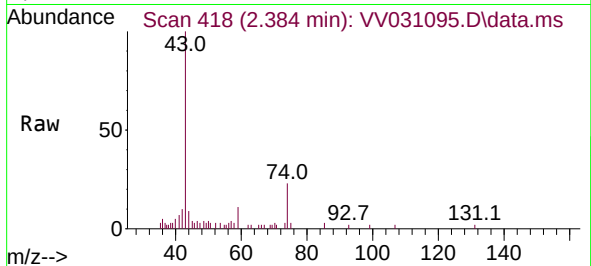




#15
Methyl Acetate
Concen: 3.823 ug/L
RT: 2.384 min Scan# 416
Delta R.T. 0.006 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

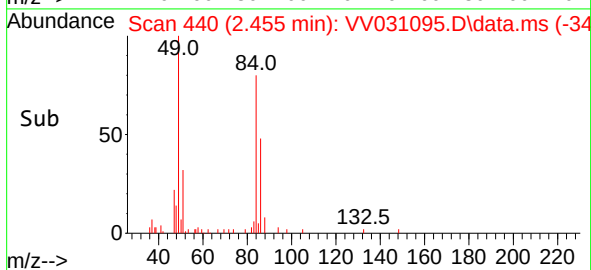
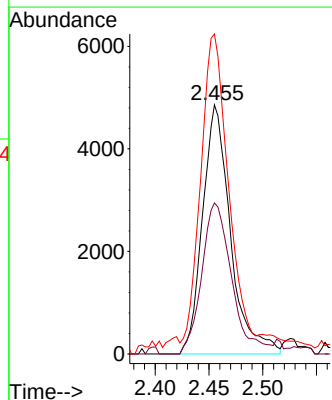
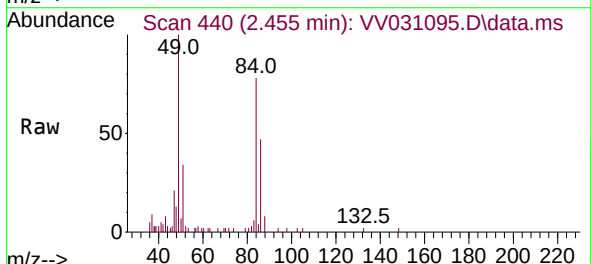
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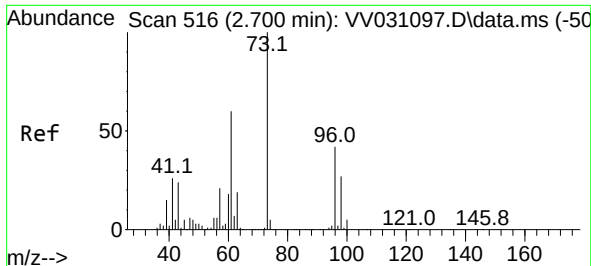
Tgt Ion: 43 Resp: 8269
Ion Ratio Lower Upper
43 100
74 25.3 18.1 27.1



#16
Methylene chloride
Concen: 4.266 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

Tgt Ion: 84 Resp: 8790
Ion Ratio Lower Upper
84 100
86 60.6 43.3 80.3
49 128.5 92.6 172.0

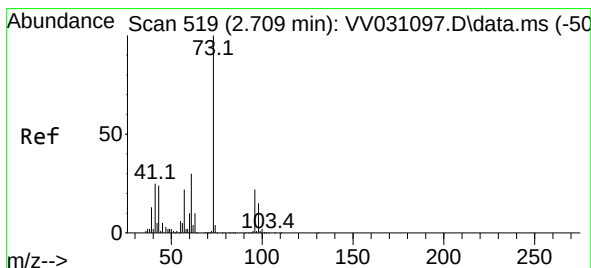
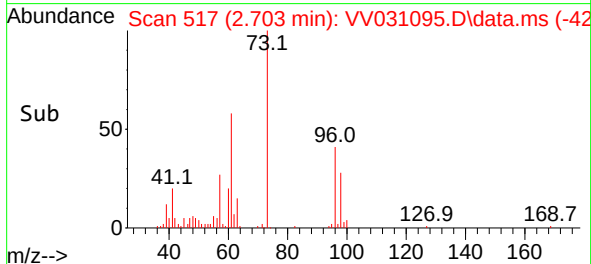
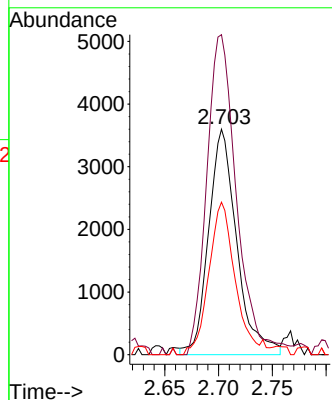
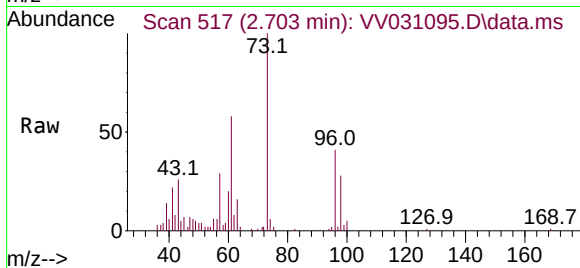




#17
trans-1,2-Dichloroethene
Concen: 3.628 ug/L
RT: 2.703 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

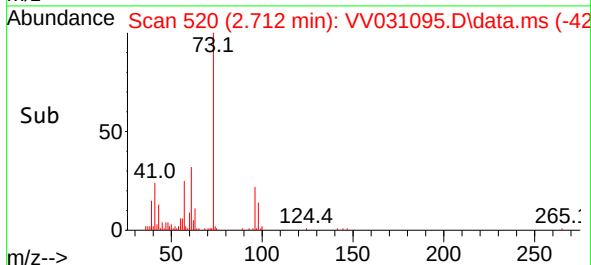
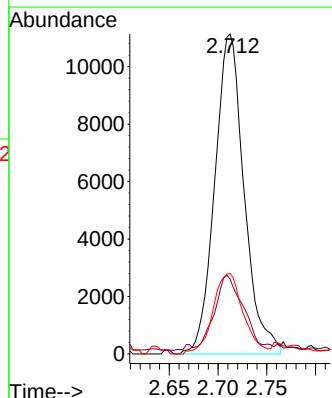
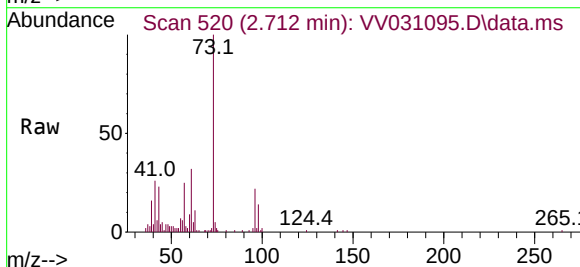
Instrument :
MSVOA_V
ClientSampleId :
VSTD005221

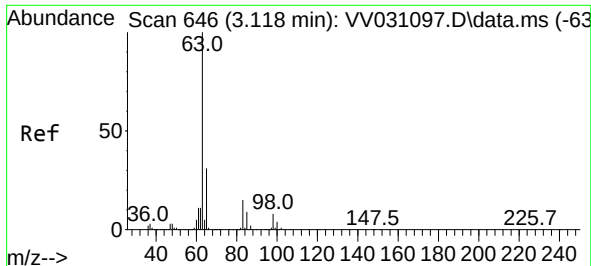
Tgt Ion: 96 Resp: 6552
Ion Ratio Lower Upper
96 100
61 141.9 100.0 185.6
98 67.6 45.4 84.2



#18
Methyl tert-butyl Ether
Concen: 3.926 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.003 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

Tgt Ion: 73 Resp: 23332
Ion Ratio Lower Upper
73 100
43 21.5 19.4 29.2
57 23.5 17.1 25.7





#19

1,1-Dichloroethane

Concen: 4.149 ug/L

RT: 3.117 min Scan# 646

Delta R.T. -0.000 min

Lab File: VV031095.D

Acq: 19 May 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD005221

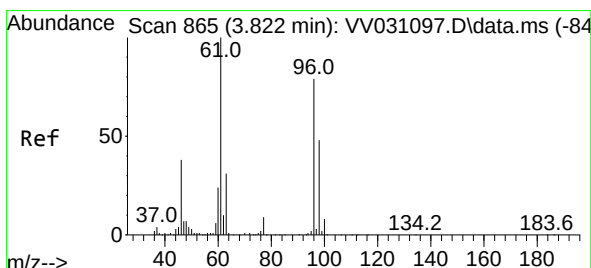
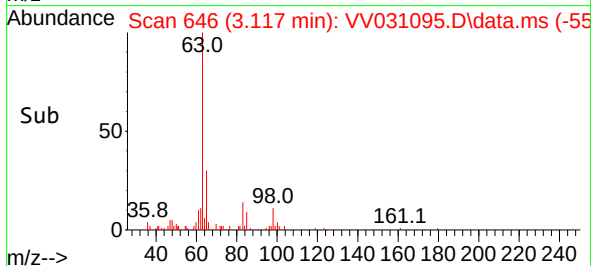
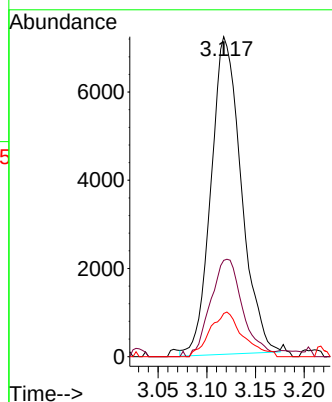
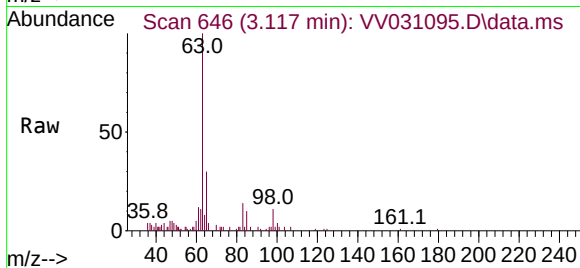
Tgt Ion: 63 Resp: 15551

Ion Ratio Lower Upper

63 100

65 30.1 21.9 40.7

83 13.5 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 3.928 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.003 min

Lab File: VV031095.D

Acq: 19 May 2023 09:29

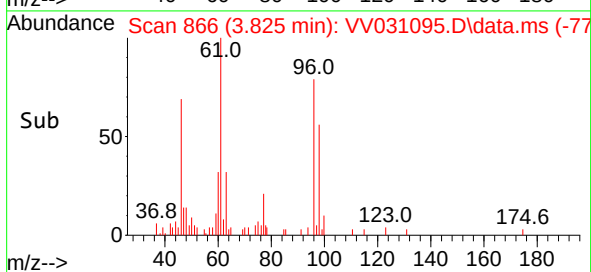
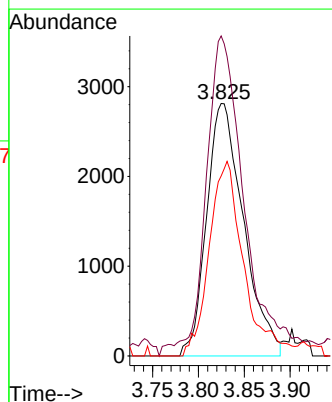
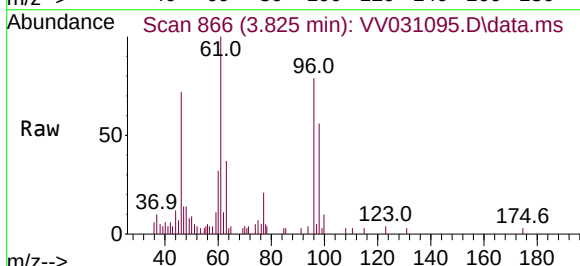
Tgt Ion: 96 Resp: 7870

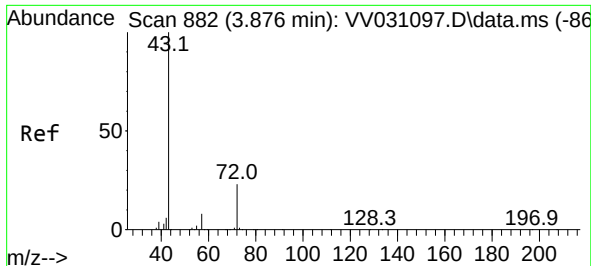
Ion Ratio Lower Upper

96 100

61 126.8 89.2 165.6

98 71.3 43.0 80.0

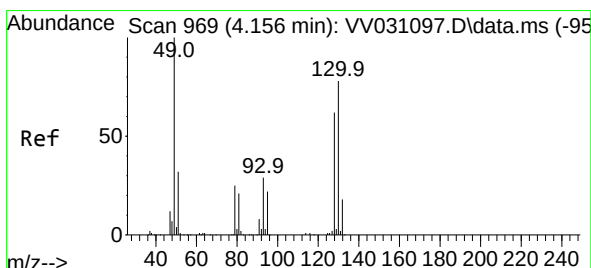
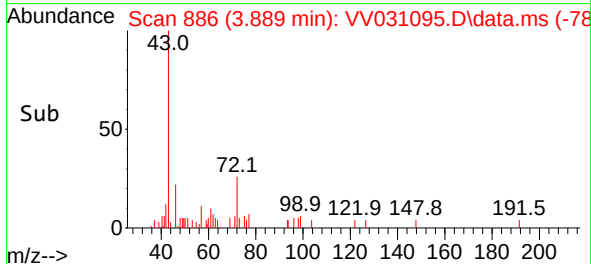
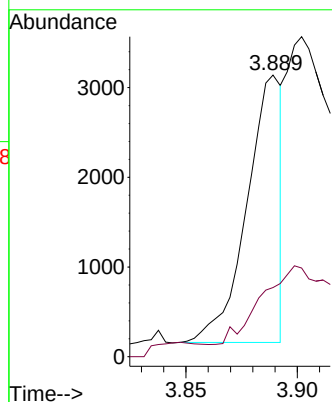
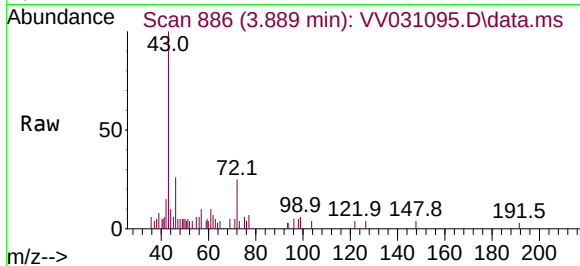




#22
2-Butanone
Concen: 1.894 ug/L
RT: 3.889 min Scan# 881
Delta R.T. 0.013 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

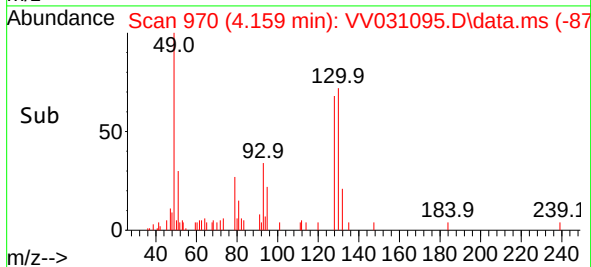
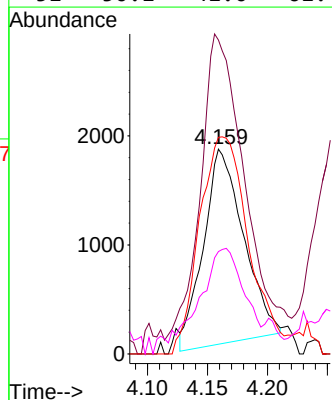
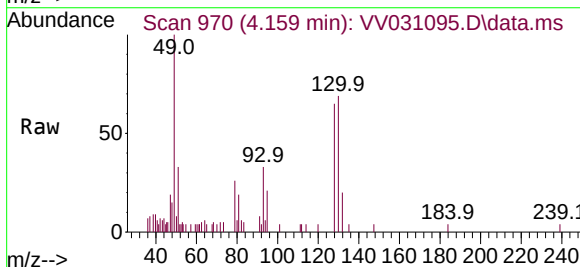
Instrument :
MSVOA_V
ClientSampleId :
VSTD005221

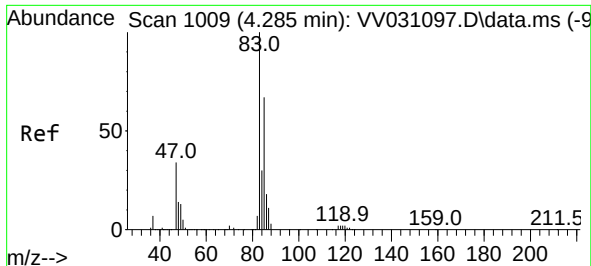
Tgt Ion: 43 Resp: 3233
Ion Ratio Lower Upper
43 100
72 33.9 11.9 35.7



#23
Bromochloromethane
Concen: 3.723 ug/L
RT: 4.159 min Scan# 970
Delta R.T. 0.003 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

Tgt Ion: 128 Resp: 4150
Ion Ratio Lower Upper
128 100
49 153.3 113.2 210.2
130 105.8 87.5 162.5
51 50.1 41.0 61.4

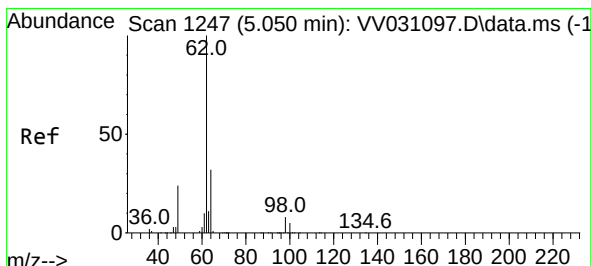
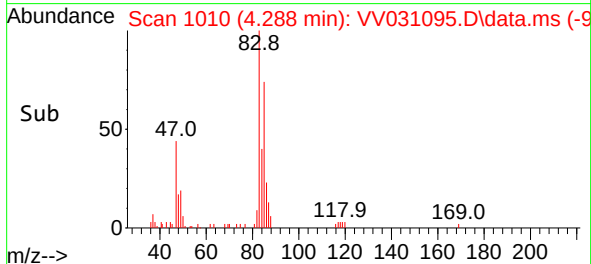
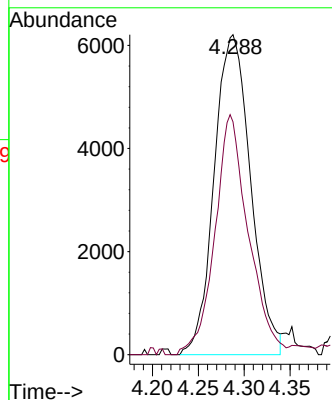
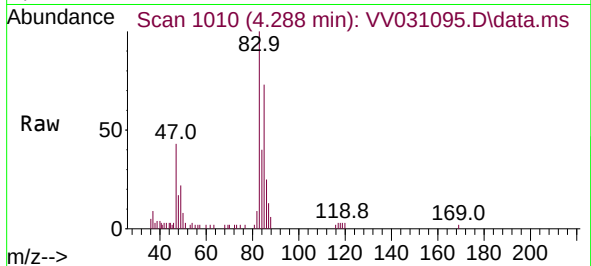




#25
Chloroform
Concen: 4.397 ug/L
RT: 4.288 min Scan# 1009
Delta R.T. 0.003 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

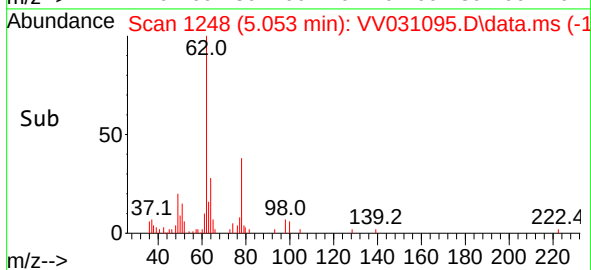
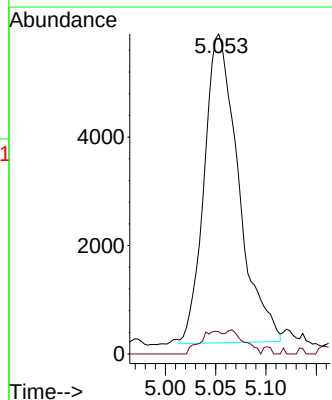
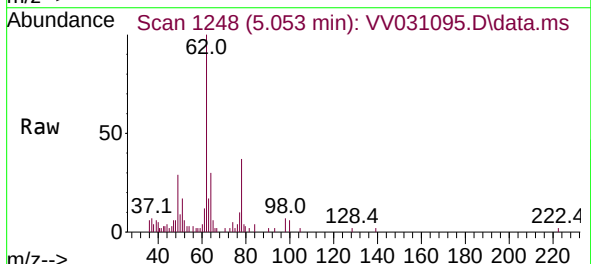
Instrument :
MSVOA_V
ClientSampleId :
VSTD005221

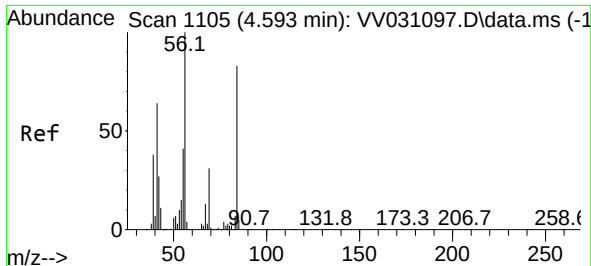
Tgt Ion: 83 Resp: 17191
Ion Ratio Lower Upper
83 100
85 72.7 47.3 87.9



#27
1,2-Dichloroethane
Concen: 4.055 ug/L
RT: 5.053 min Scan# 1248
Delta R.T. 0.003 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

Tgt Ion: 62 Resp: 13498
Ion Ratio Lower Upper
62 100
98 6.9 6.3 9.5





#29

Cyclohexane

Concen: 3.170 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV031095.D

Acq: 19 May 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD005221

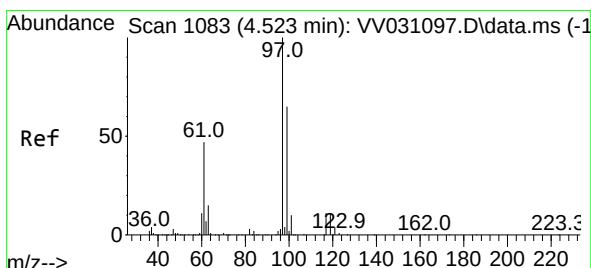
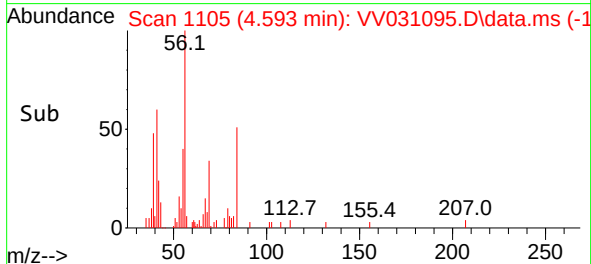
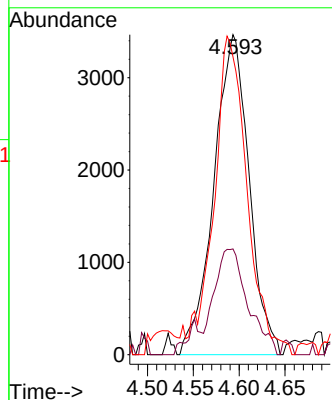
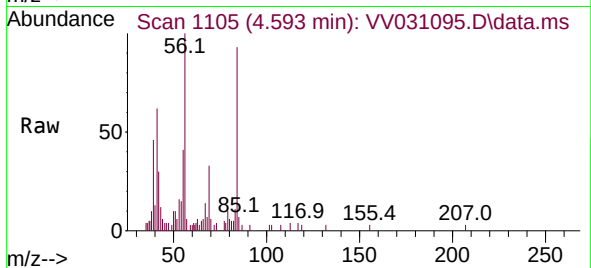
Tgt Ion: 56 Resp: 9256

Ion Ratio Lower Upper

56 100

69 20.3 25.1 37.7#

84 80.8 71.5 107.3



#30

1,1,1-Trichloroethane

Concen: 4.523 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.003 min

Lab File: VV031095.D

Acq: 19 May 2023 09:29

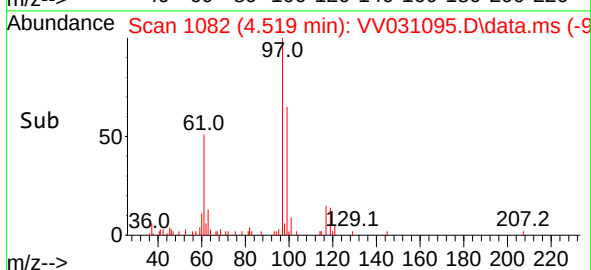
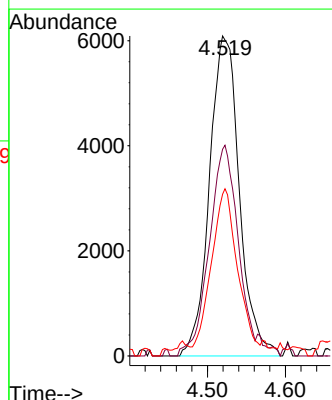
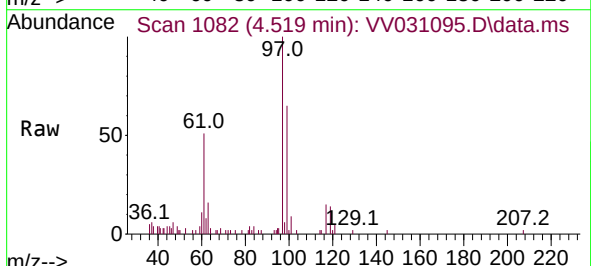
Tgt Ion: 97 Resp: 16247

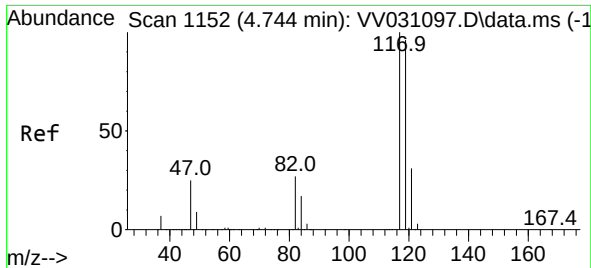
Ion Ratio Lower Upper

97 100

99 63.1 51.9 77.9

61 45.6 38.2 57.2

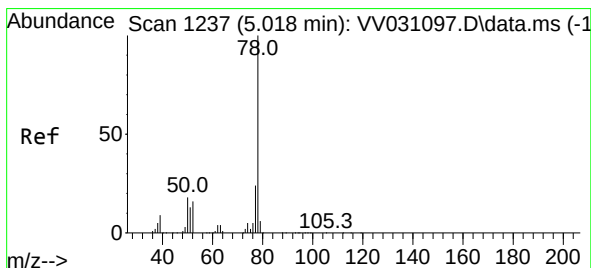
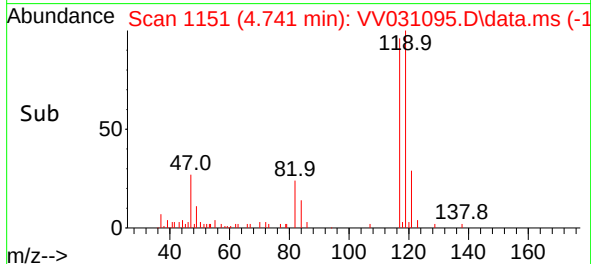
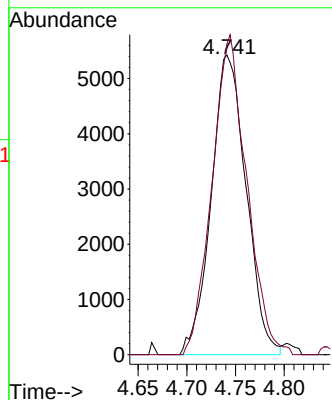
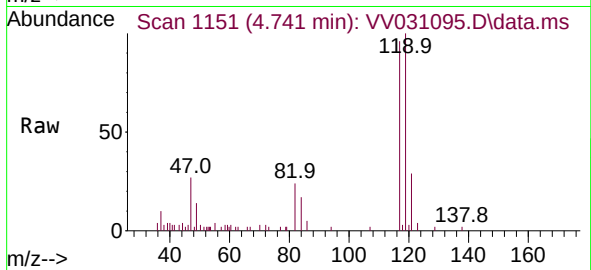




#31
Carbon tetrachloride
Concen: 4.220 ug/L
RT: 4.741 min Scan# 1152
Delta R.T. -0.003 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

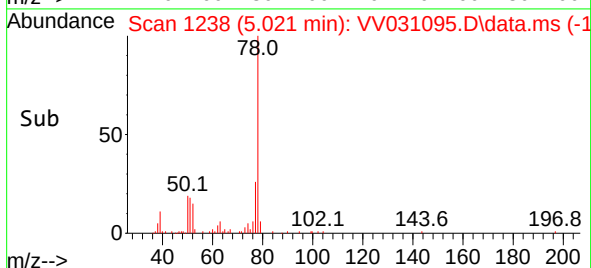
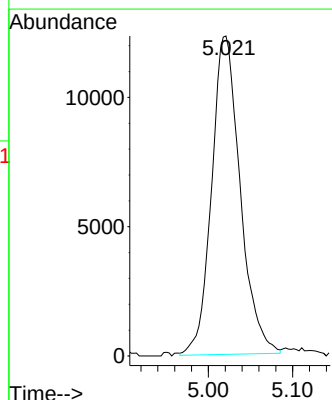
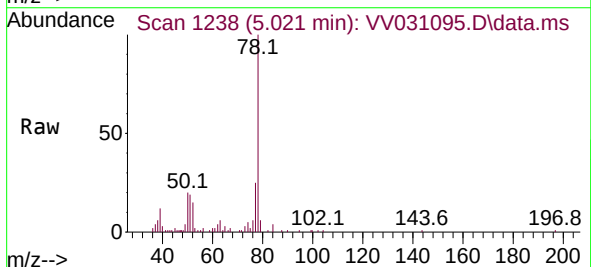
Instrument :
MSVOA_V
ClientSampleId :
VSTD005221

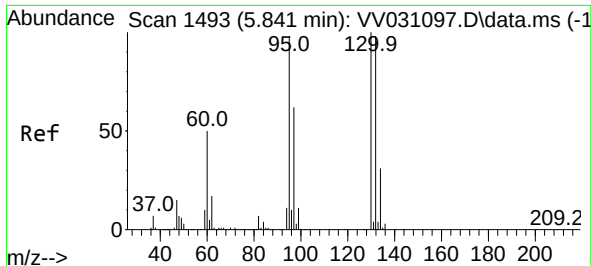
Tgt Ion:117 Resp: 13522
Ion Ratio Lower Upper
117 100
119 106.3 76.9 115.3



#33
Benzene
Concen: 3.811 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

Tgt Ion: 78 Resp: 29034

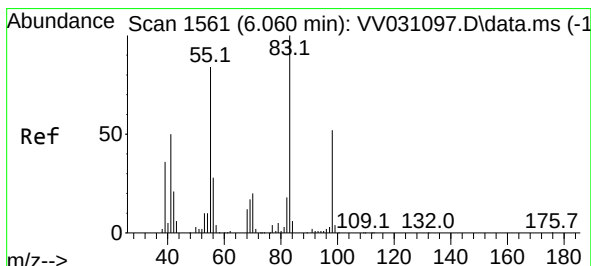
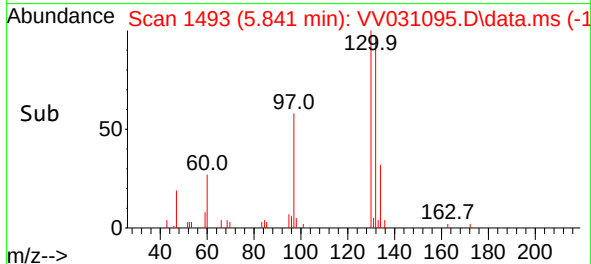
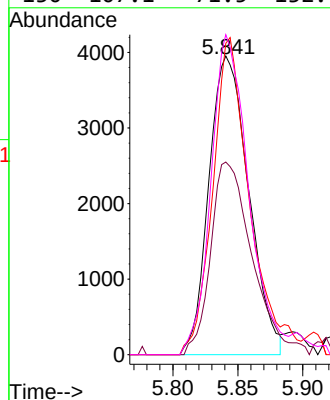
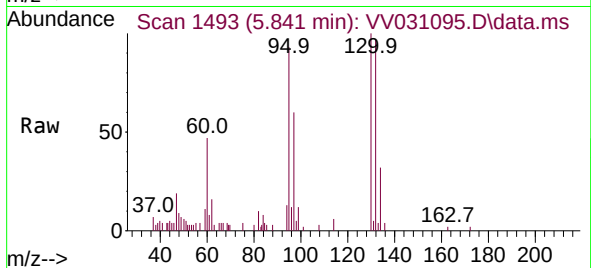




#34
Trichloroethene
Concen: 4.238 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

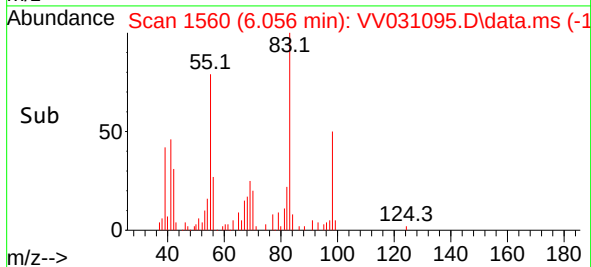
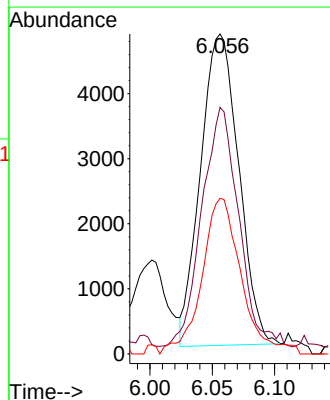
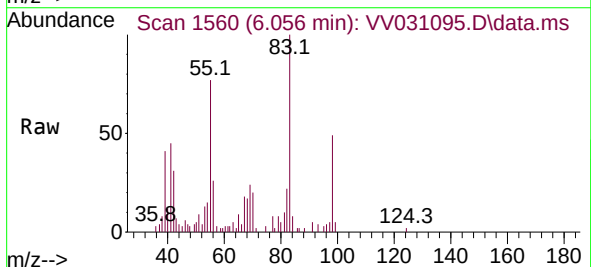
Instrument :
MSVOA_V
ClientSampleId :
VSTD005221

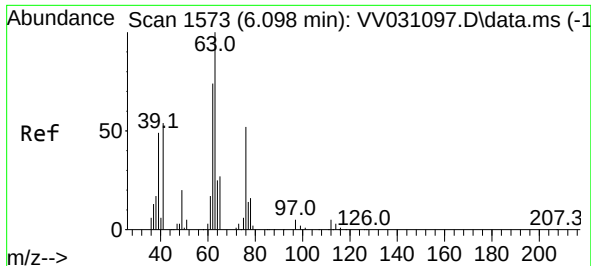
Tgt Ion: 95	Resp: 8415
Ion Ratio	Lower Upper
95 100	
97 64.5	44.4 82.5
132 104.2	70.2 130.4
130 107.1	71.5 132.7



#35
Methylcyclohexane
Concen: 3.363 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.003 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

Tgt Ion: 83	Resp: 10219
Ion Ratio	Lower Upper
83 100	
55 72.0	64.2 96.2
98 44.6	40.0 60.0

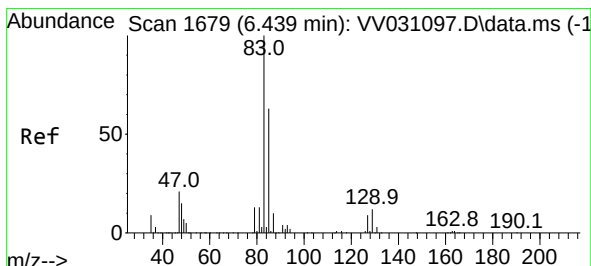
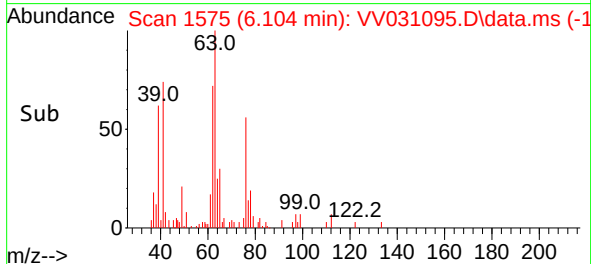
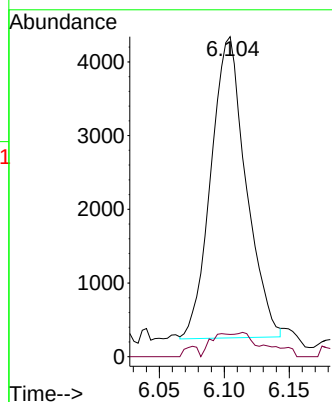
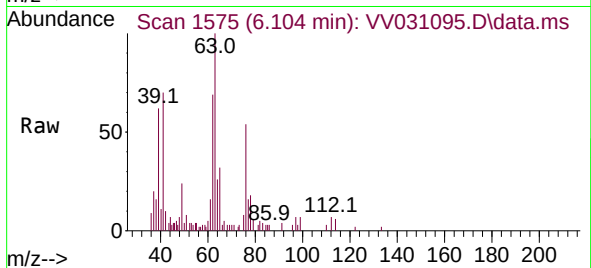




#37
1,2-Dichloropropane
Concen: 3.721 ug/L
RT: 6.104 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

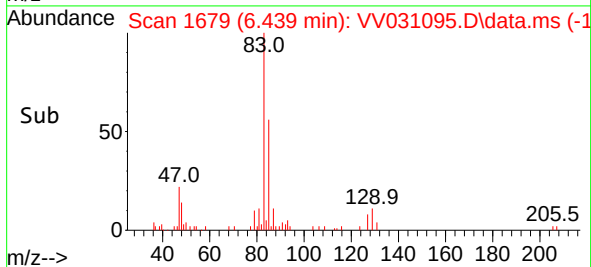
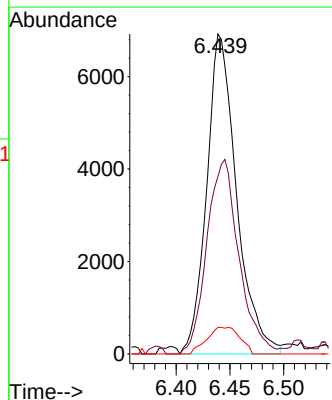
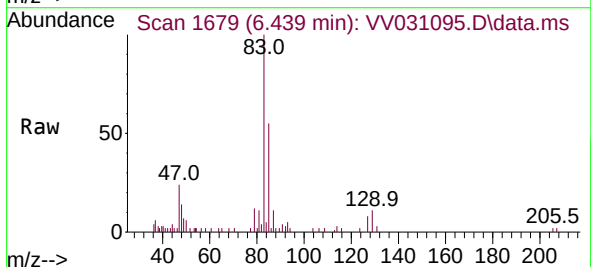
Instrument :
MSVOA_V
ClientSampleId :
VSTD005221

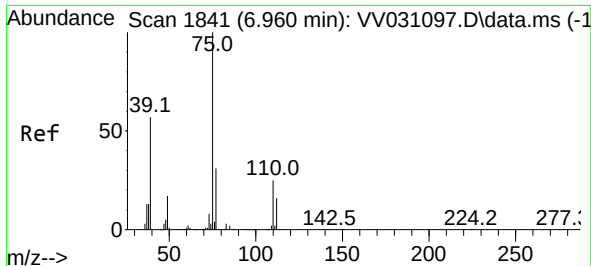
Tgt Ion: 63 Resp: 7660
Ion Ratio Lower Upper
63 100
112 4.5 4.3 6.5



#38
Bromodichloromethane
Concen: 4.541 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

Tgt Ion: 83 Resp: 13375
Ion Ratio Lower Upper
83 100
85 55.5 44.0 81.6
127 8.3 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 3.566 ug/L

RT: 6.966 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV031095.D

Acq: 19 May 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

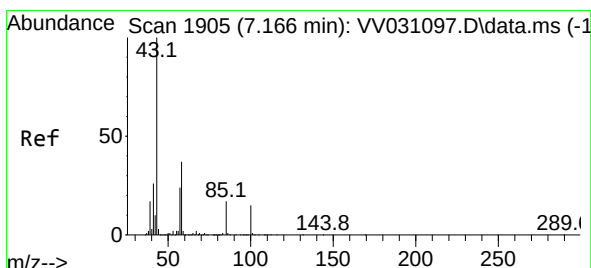
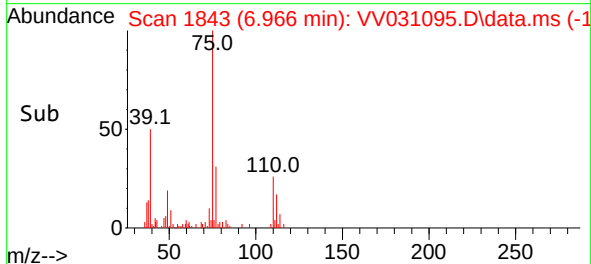
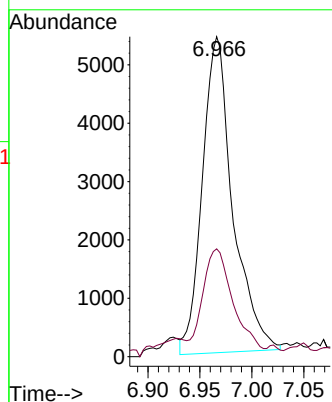
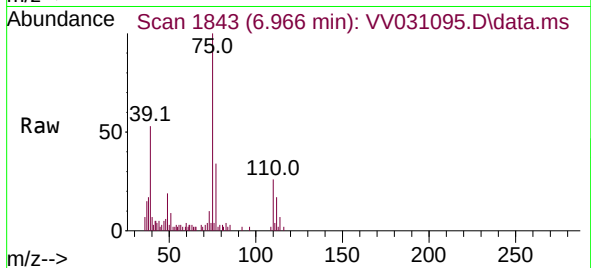
VSTD005221

Tgt Ion: 75 Resp: 11042

Ion Ratio Lower Upper

75 100

77 33.7 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 6.890 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.003 min

Lab File: VV031095.D

Acq: 19 May 2023 09:29

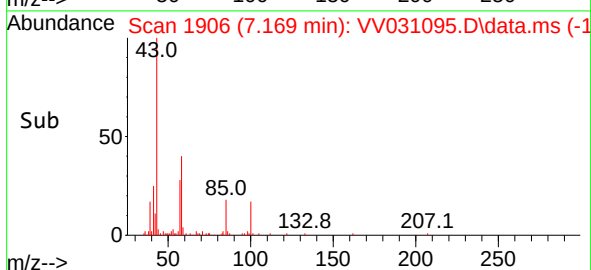
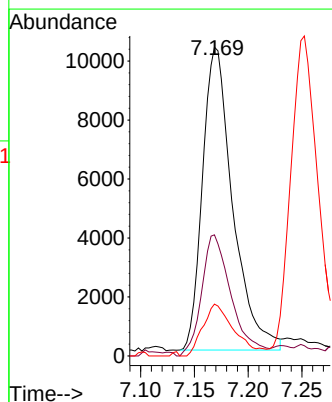
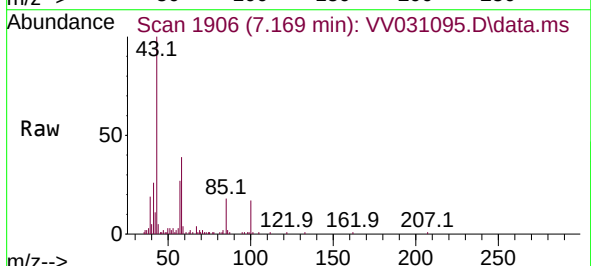
Tgt Ion: 43 Resp: 20111

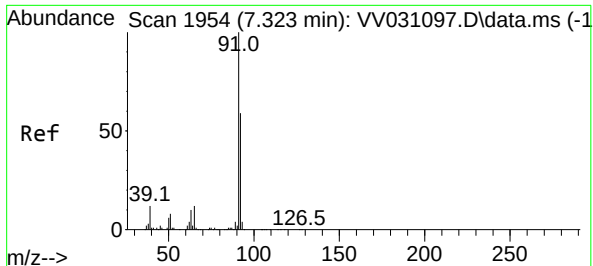
Ion Ratio Lower Upper

43 100

58 39.3 29.0 43.4

100 17.2 12.2 18.4





#42

Toluene

Concen: 3.444 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. -0.000 min

Lab File: VV031095.D

Acq: 19 May 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

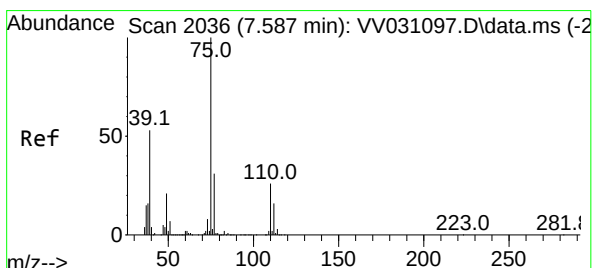
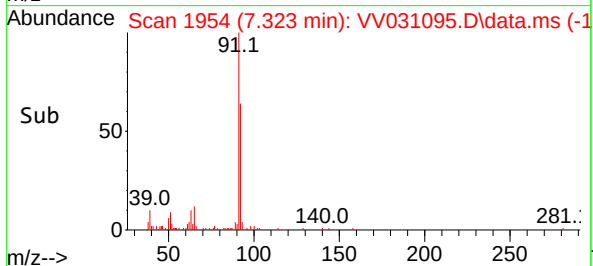
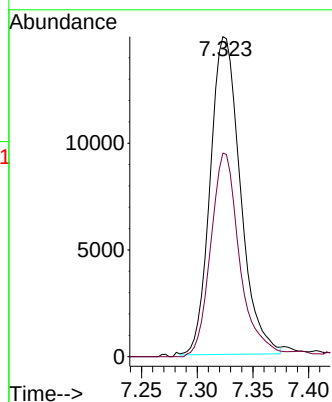
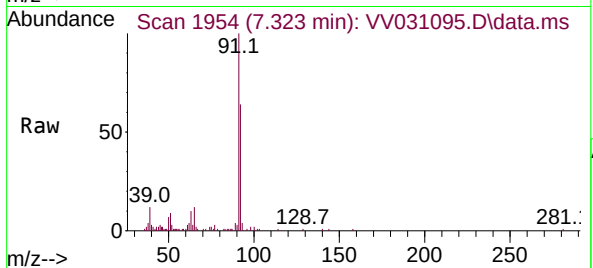
VSTD005221

Tgt Ion: 91 Resp: 28059

Ion Ratio Lower Upper

91 100

92 63.6 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 3.408 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.003 min

Lab File: VV031095.D

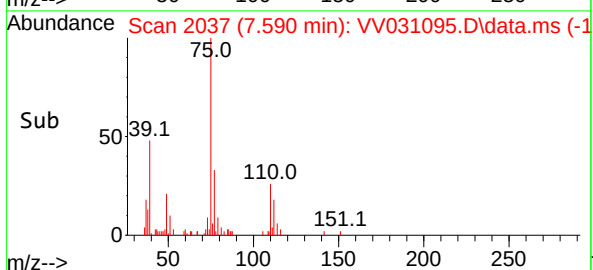
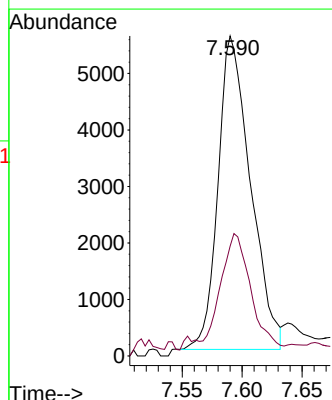
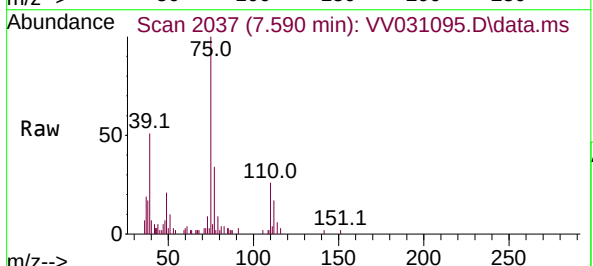
Acq: 19 May 2023 09:29

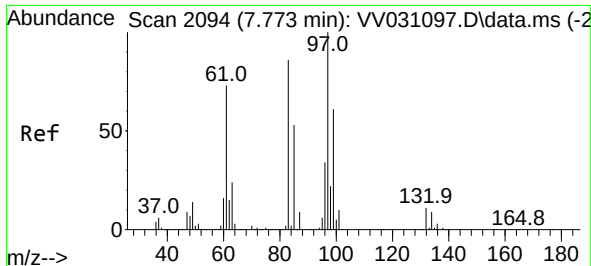
Tgt Ion: 75 Resp: 10452

Ion Ratio Lower Upper

75 100

77 34.3 22.2 41.2



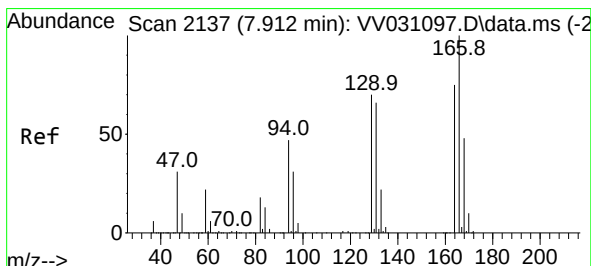
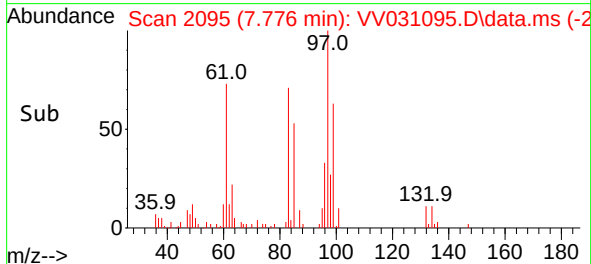
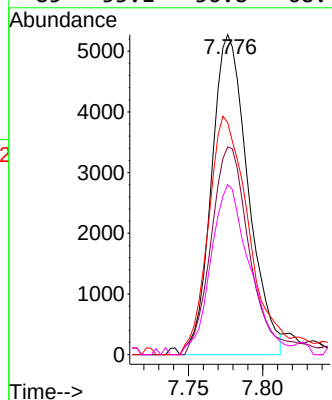
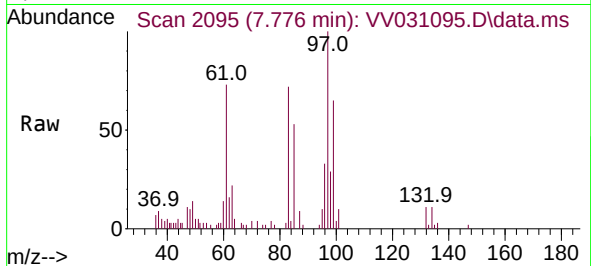


#45
1,1,2-Trichloroethane
Concen: 4.310 ug/L
RT: 7.776 min Scan# 2094
Delta R.T. 0.003 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD005221

Tgt Ion: 97 Resp: 9040

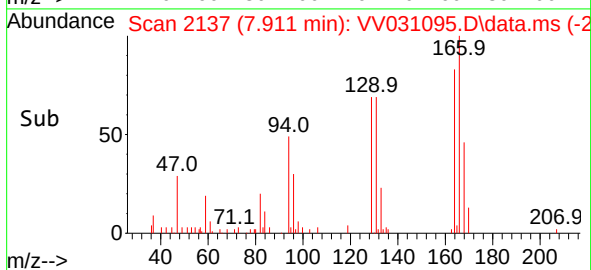
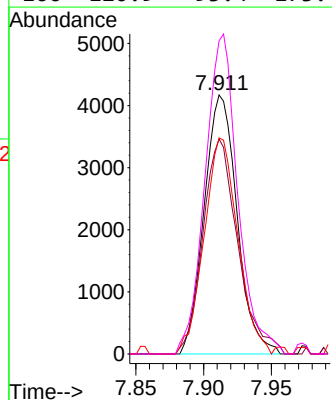
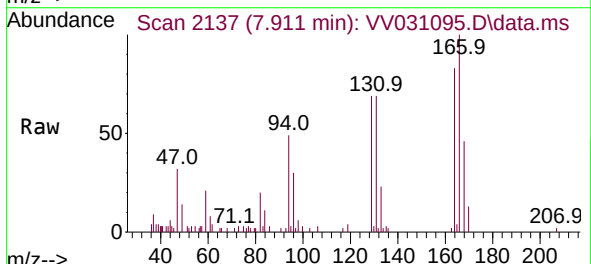
Ion	Ratio	Lower	Upper
97	100		
99	64.9	43.2	80.2
83	72.5	60.5	112.3
85	53.1	36.8	68.4

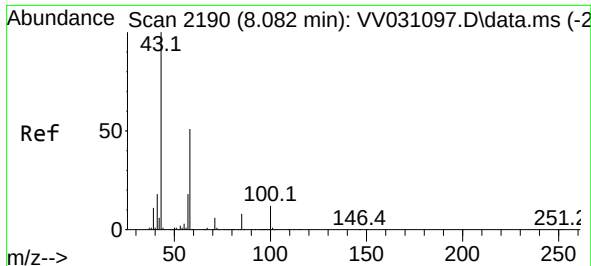


#46
Tetrachloroethene
Concen: 4.072 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

Tgt Ion: 164 Resp: 7052

Ion	Ratio	Lower	Upper
164	100		
129	83.0	65.5	121.7
131	86.2	62.1	115.3
166	120.9	93.4	173.4

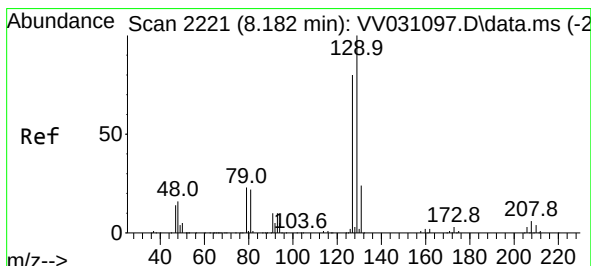
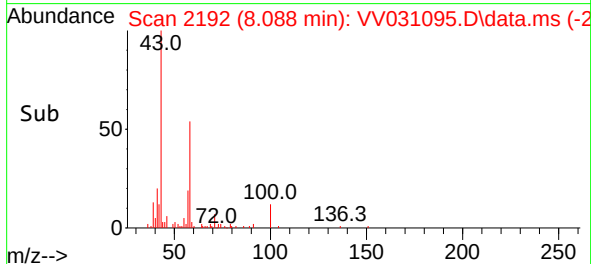
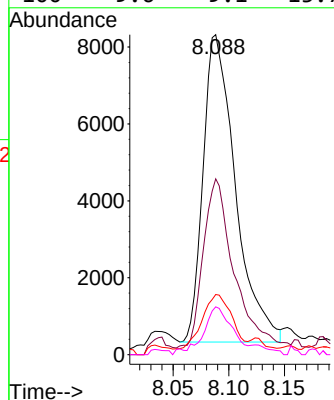
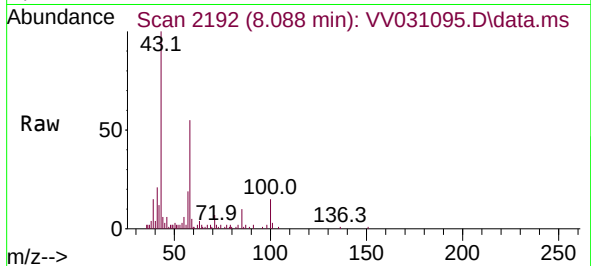




#48
2-Hexanone
Concen: 6.647 ug/L
RT: 8.088 min Scan# 2190
Delta R.T. 0.006 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

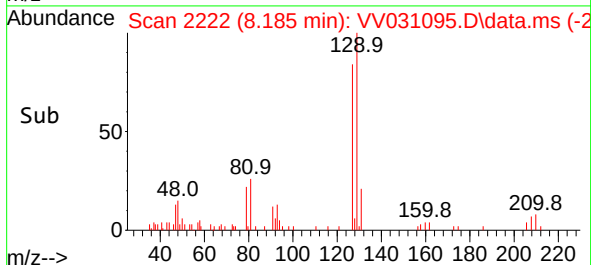
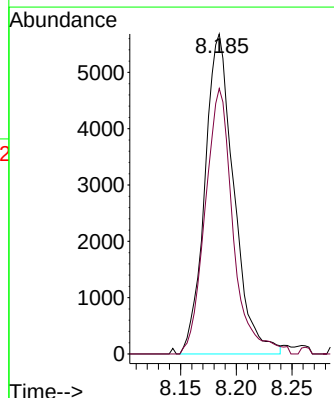
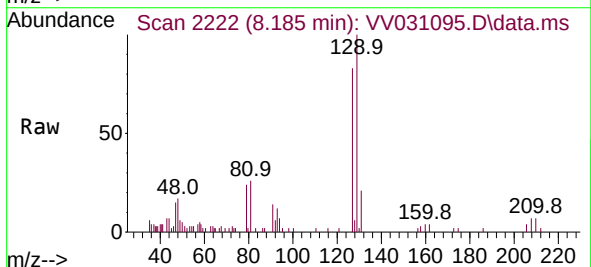
Instrument :
MSVOA_V
ClientSampleId :
VSTD005221

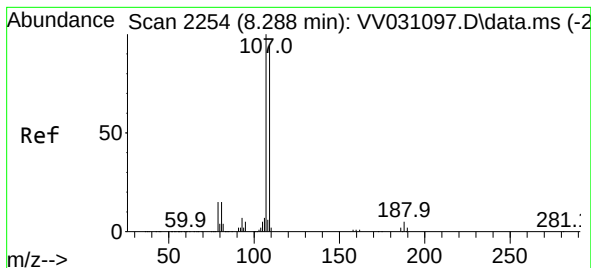
Tgt Ion: 43	Resp: 16126
Ion Ratio	Lower Upper
43 100	
58 56.8	39.8 59.6
57 17.2	14.4 21.6
100 9.6	9.1 13.7



#49
Dibromochloromethane
Concen: 4.448 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.003 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

Tgt Ion:129	Resp:	10302	
Ion	Ratio	Lower	Upper
129	100		
127	82.9	56.1	104.1





#50

1,2-Dibromoethane

Concen: 4.331 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031095.D

Acq: 19 May 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD005221

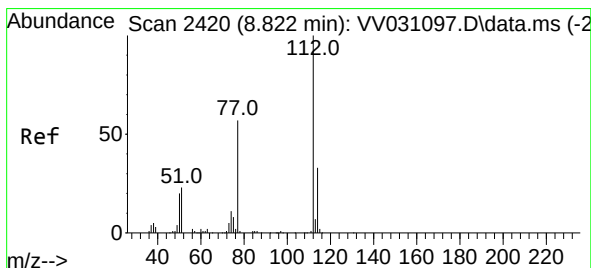
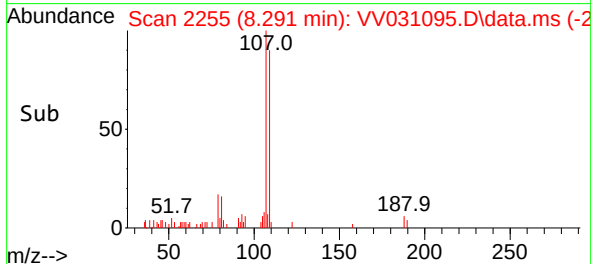
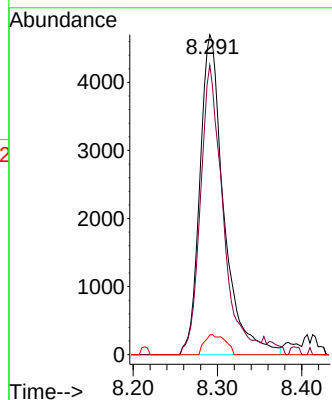
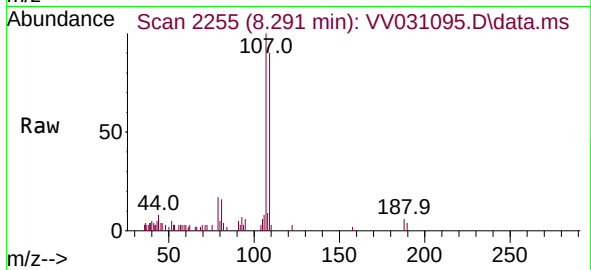
Tgt Ion:107 Resp: 9305

Ion Ratio Lower Upper

107 100

109 90.5 65.6 121.8

188 6.1 3.8 5.6#



#51

Chlorobenzene

Concen: 4.283 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV031095.D

Acq: 19 May 2023 09:29

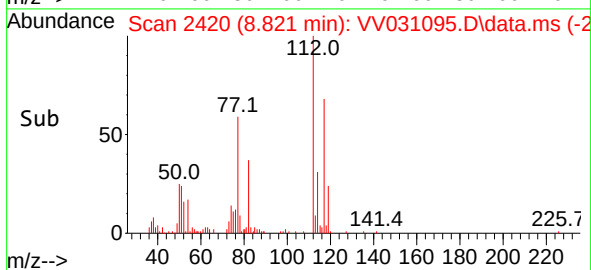
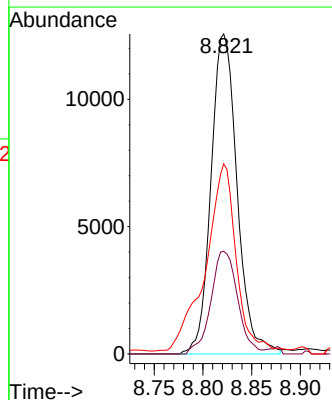
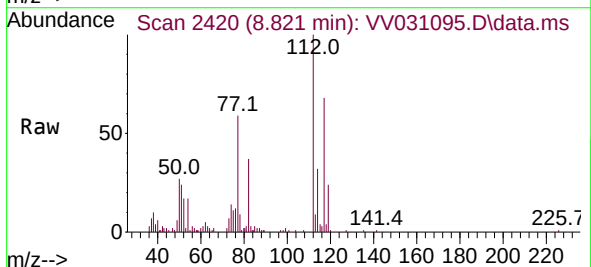
Tgt Ion:112 Resp: 23441

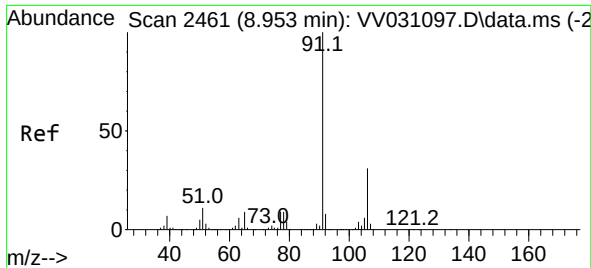
Ion Ratio Lower Upper

112 100

114 32.1 23.0 42.8

77 59.4 46.2 69.4

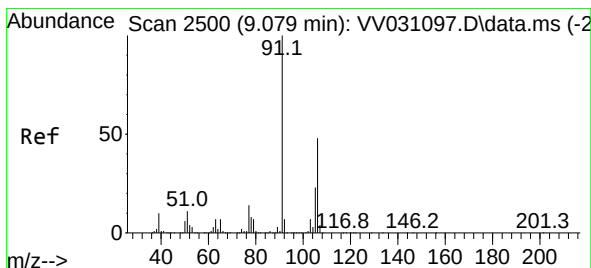
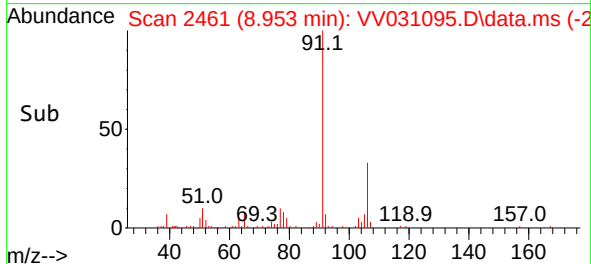
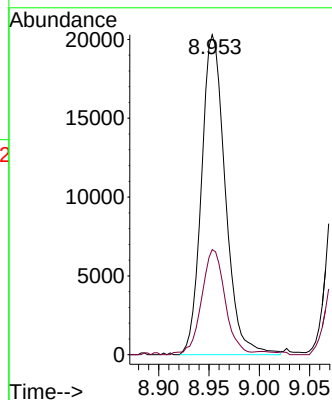
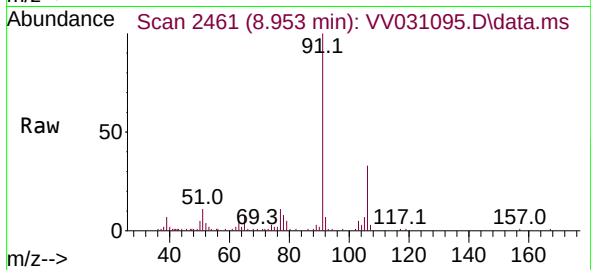




#52
Ethylbenzene
Concen: 3.684 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

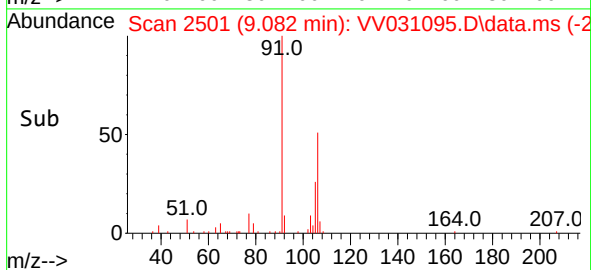
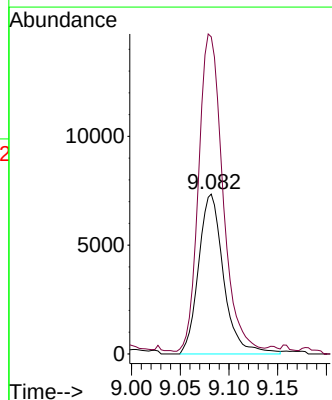
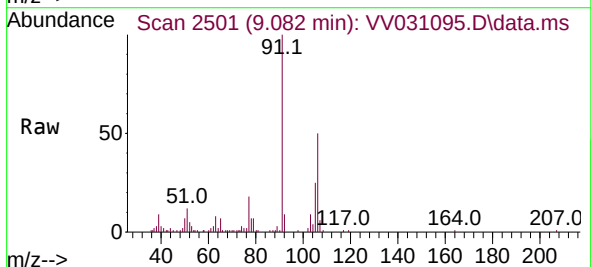
Instrument :
MSVOA_V
ClientSampleId :
VSTD005221

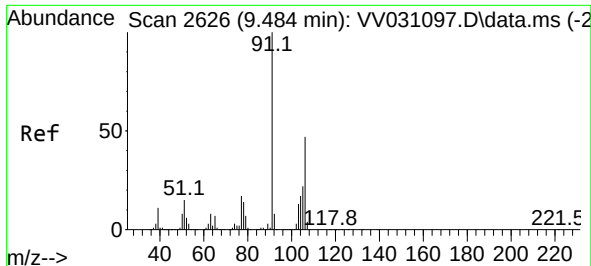
Tgt Ion: 91 Resp: 33372
Ion Ratio Lower Upper
91 100
106 32.9 21.5 39.9



#53
m,p-Xylene
Concen: 3.826 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

Tgt Ion: 106 Resp: 13118
Ion Ratio Lower Upper
106 100
91 198.4 145.3 269.8

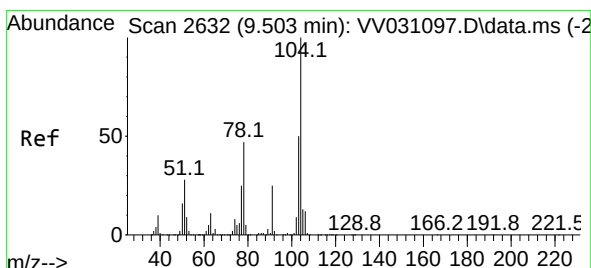
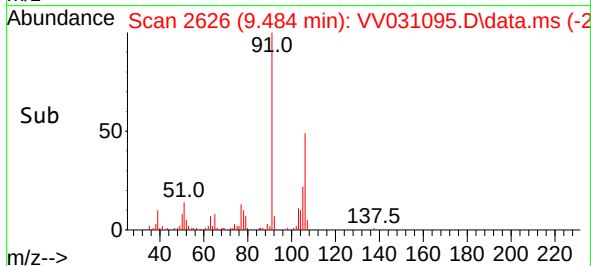
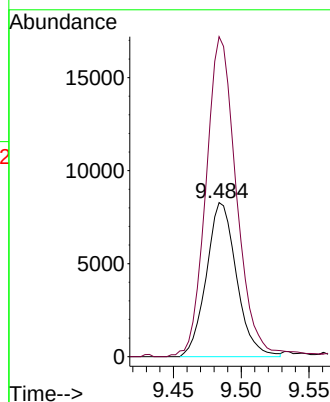
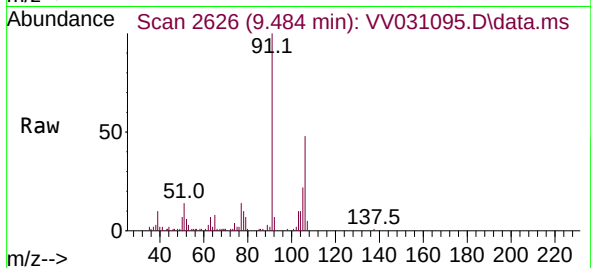




#54
o-Xylene
Concen: 3.800 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

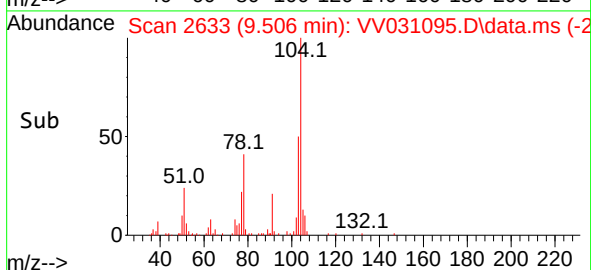
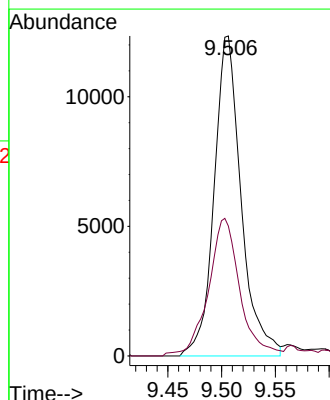
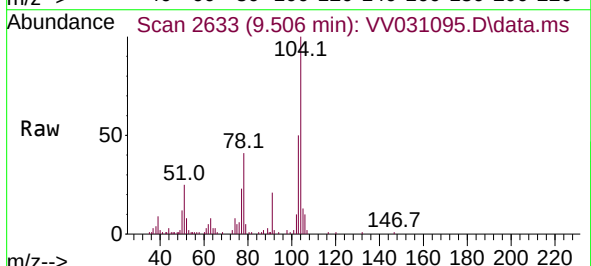
Instrument :
MSVOA_V
ClientSampleId :
VSTD005221

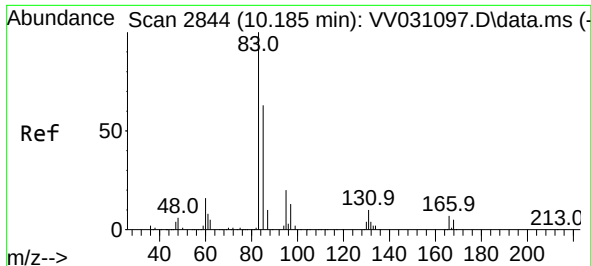
Tgt Ion:106 Resp: 12802
Ion Ratio Lower Upper
106 100
91 207.6 150.4 279.2



#55
Styrene
Concen: 3.657 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.003 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

Tgt Ion:104 Resp: 21584
Ion Ratio Lower Upper
104 100
78 40.6 33.2 61.6





#57

1,1,2,2-Tetrachloroethane

Concen: 4.262 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV031095.D

Acq: 19 May 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD005221

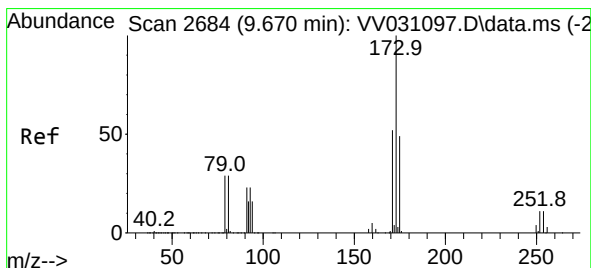
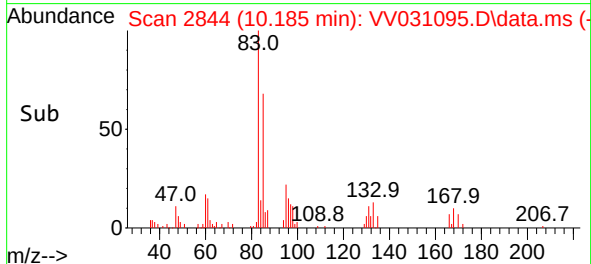
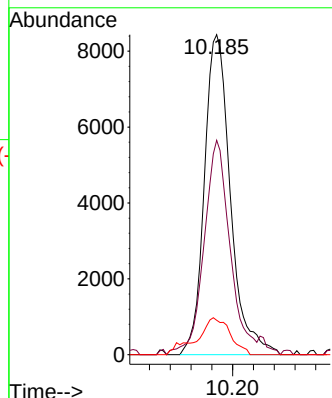
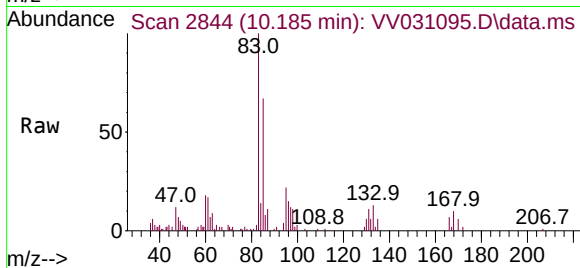
Tgt Ion: 83 Resp: 14675

Ion Ratio Lower Upper

83 100

85 67.0 45.0 83.6

131 10.7 9.2 13.8



#59

Bromoform

Concen: 5.180 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. 0.003 min

Lab File: VV031095.D

Acq: 19 May 2023 09:29

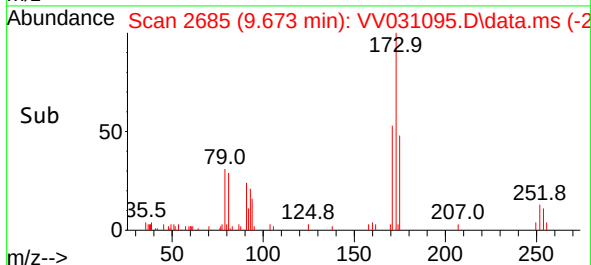
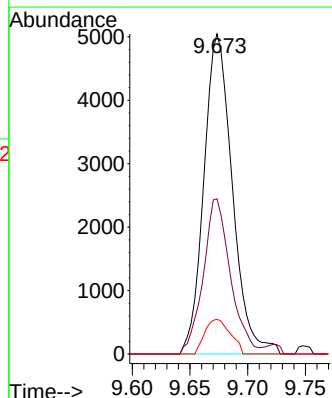
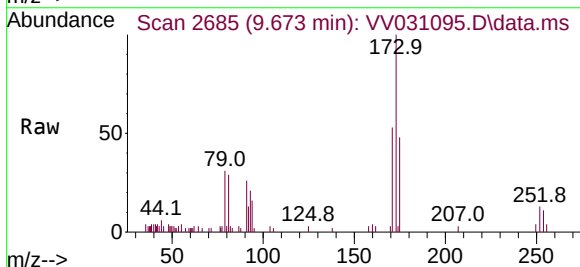
Tgt Ion: 173 Resp: 8645

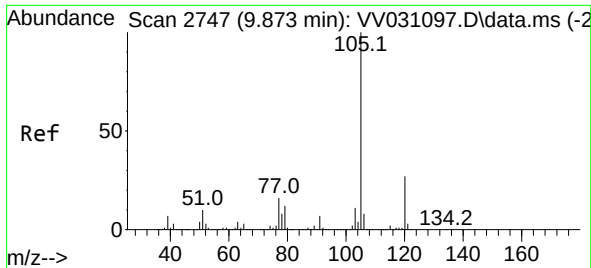
Ion Ratio Lower Upper

173 100

175 46.3 38.8 58.2

254 9.6 8.8 13.2

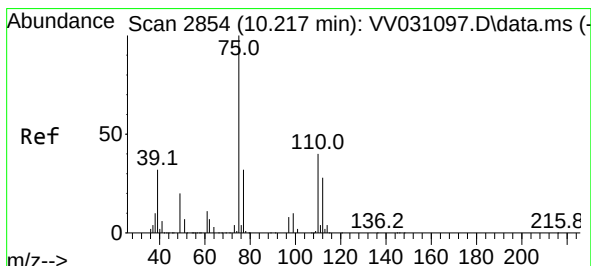
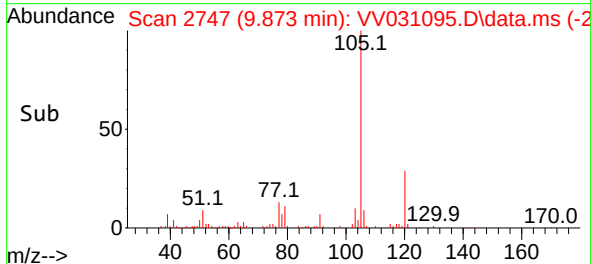
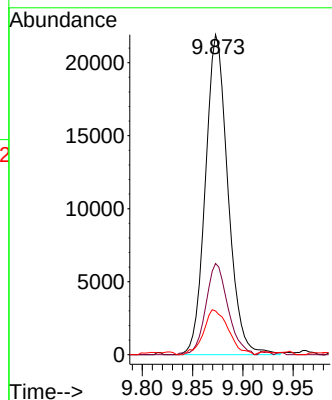
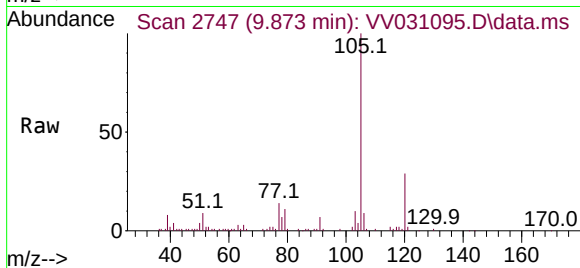




#60
Isopropylbenzene
Concen: 4.174 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

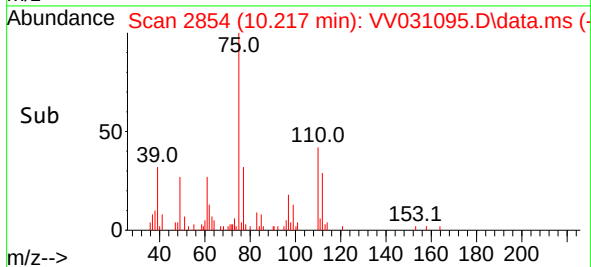
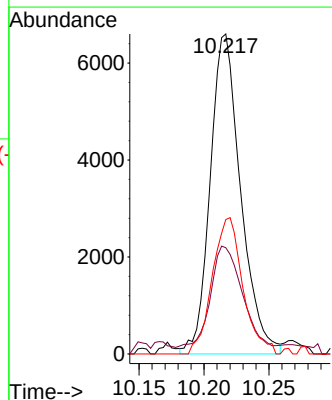
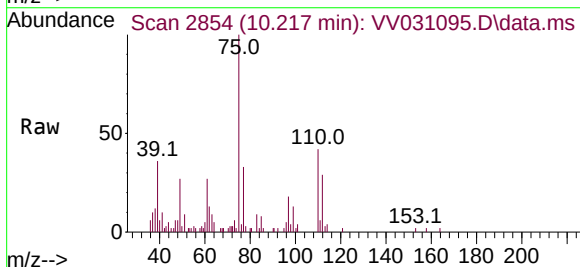
Instrument :
MSVOA_V
ClientSampleId :
VSTD005221

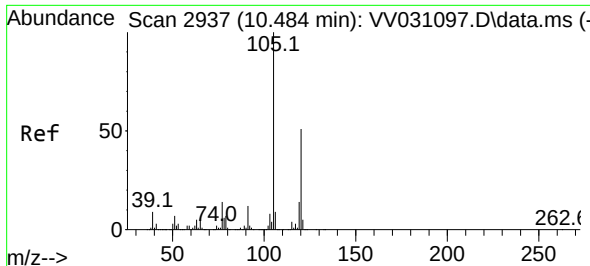
Tgt Ion:105 Resp: 34216
Ion Ratio Lower Upper
105 100
120 27.9 21.4 32.0
77 15.4 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 4.529 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

Tgt Ion: 75 Resp: 10783
Ion Ratio Lower Upper
75 100
77 32.8 25.5 38.3
110 42.5 32.5 48.7

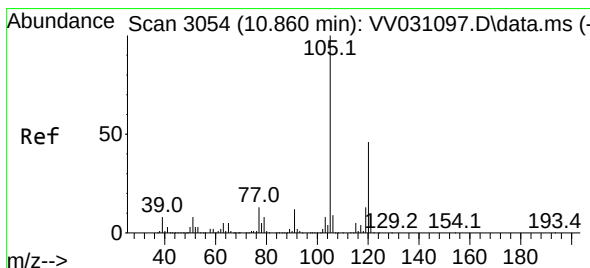
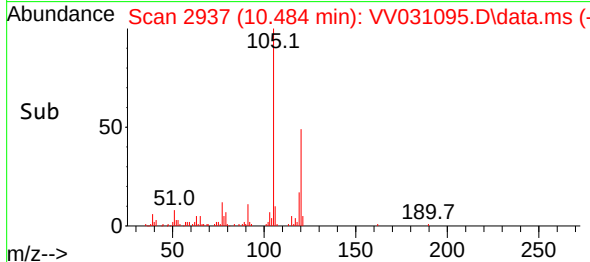
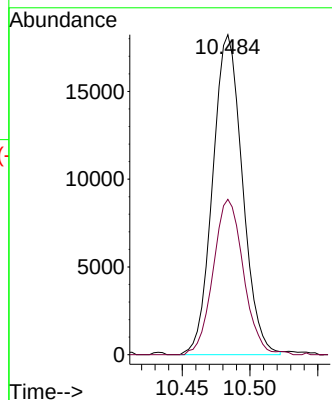
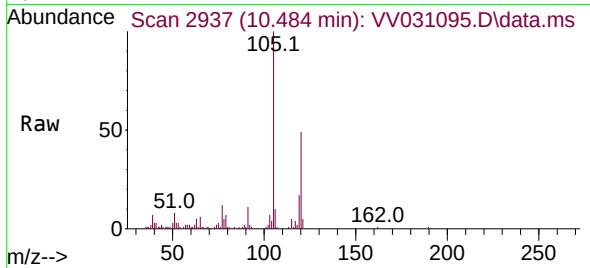




#62
 1,3,5-Trimethylbenzene
 Concen: 4.136 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. -0.000 min
 Lab File: VV031095.D
 Acq: 19 May 2023 09:29

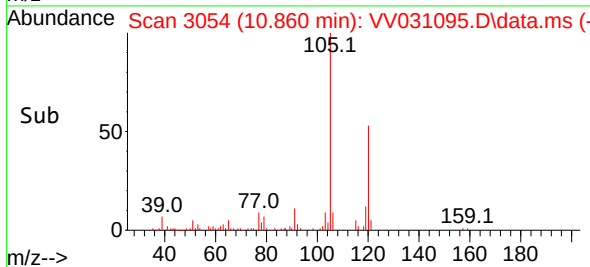
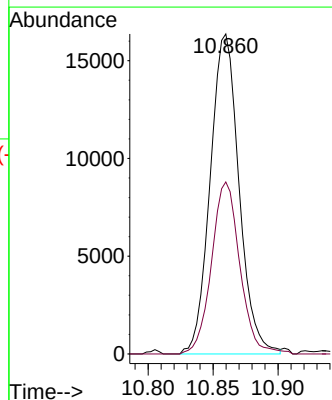
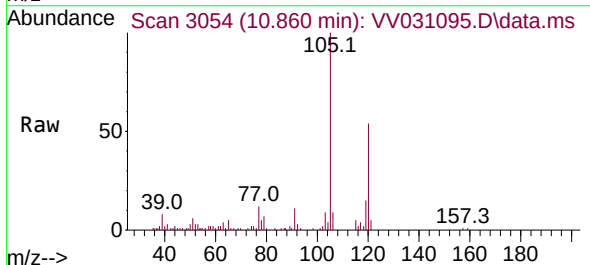
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005221

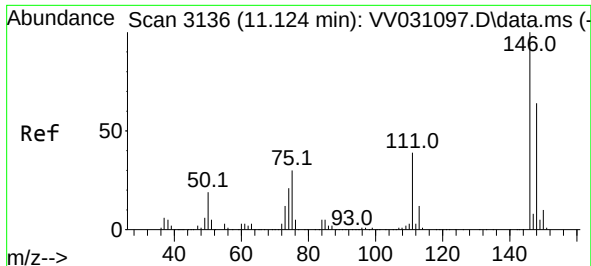
Tgt Ion:105 Resp: 27827
 Ion Ratio Lower Upper
 105 100
 120 49.1 40.5 60.7



#63
 1,2,4-Trimethylbenzene
 Concen: 3.773 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. -0.000 min
 Lab File: VV031095.D
 Acq: 19 May 2023 09:29

Tgt Ion:105 Resp: 25258
 Ion Ratio Lower Upper
 105 100
 120 52.8 37.5 56.3

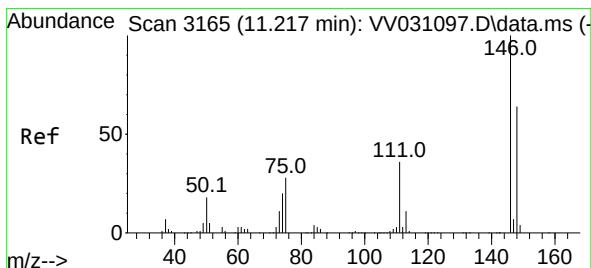
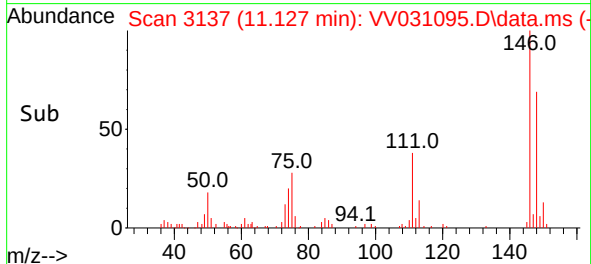
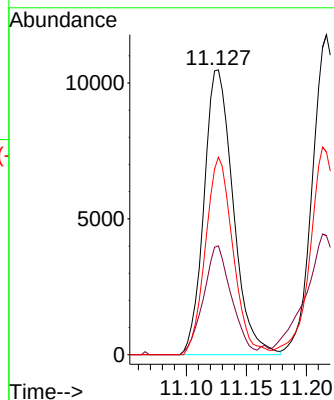
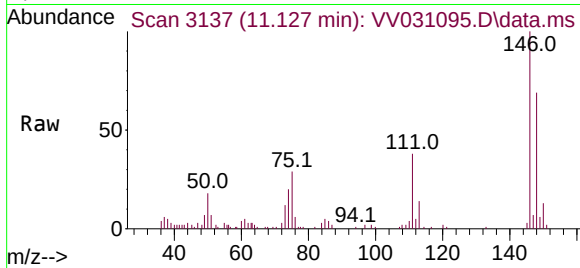




#64
1,3-Dichlorobenzene
Concen: 4.294 ug/L
RT: 11.127 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

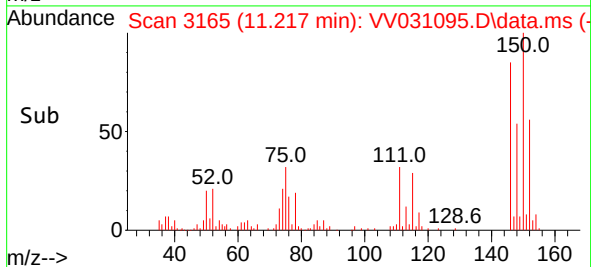
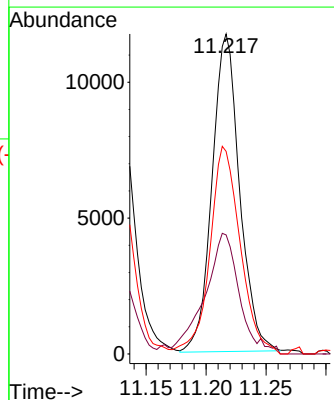
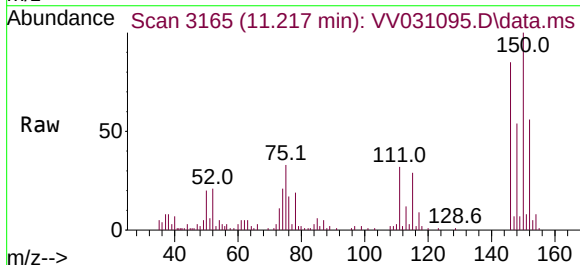
Instrument :
MSVOA_V
ClientSampleId :
VSTD005221

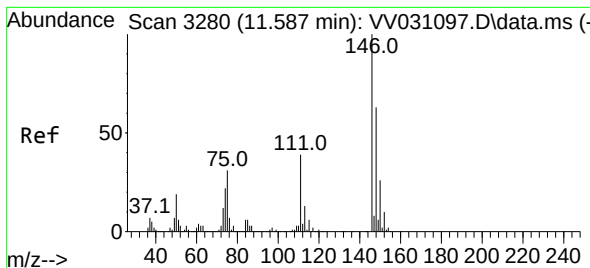
Tgt Ion:146 Resp: 17752
Ion Ratio Lower Upper
146 100
111 38.2 27.2 50.4
148 69.4 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 4.279 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV031095.D
Acq: 19 May 2023 09:29

Tgt Ion:146 Resp: 18627
Ion Ratio Lower Upper
146 100
111 37.2 25.5 47.3
148 63.3 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 4.144 ug/L

RT: 11.586 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031095.D

Acq: 19 May 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD005221

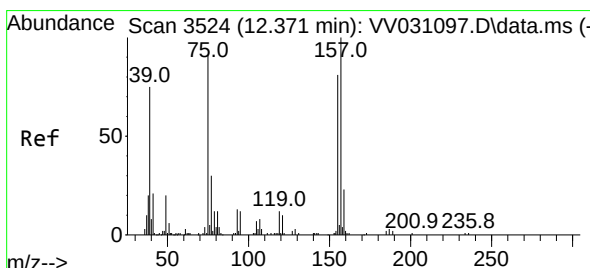
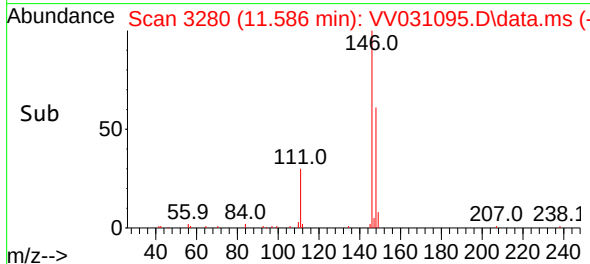
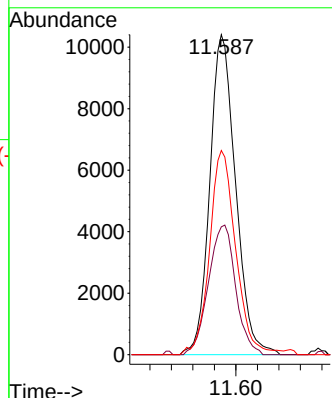
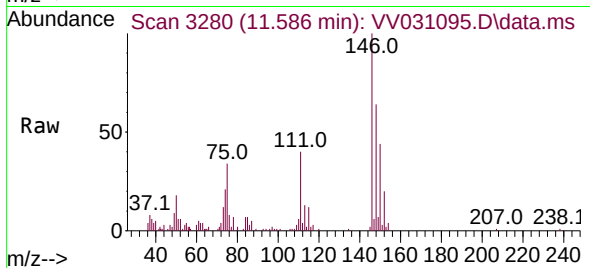
Tgt Ion:146 Resp: 17346

Ion Ratio Lower Upper

146 100

111 39.9 31.4 47.2

148 63.8 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.546 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.003 min

Lab File: VV031095.D

Acq: 19 May 2023 09:29

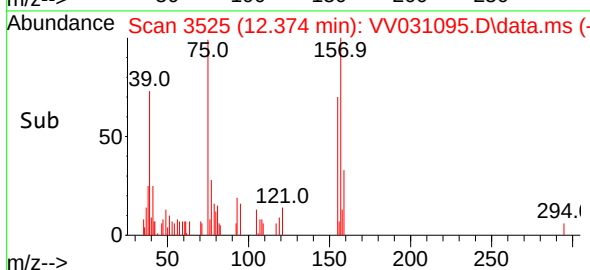
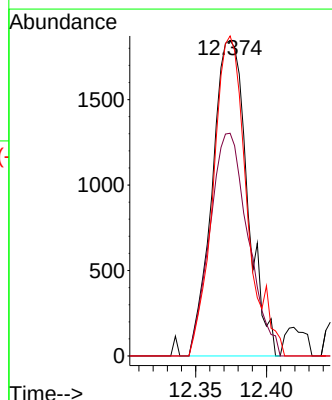
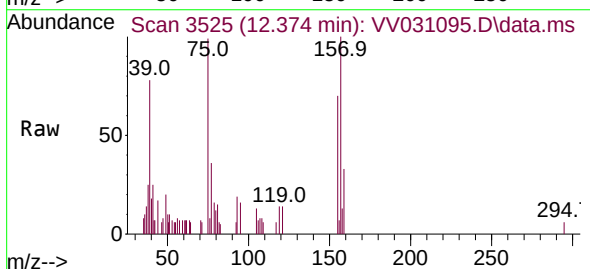
Tgt Ion: 75 Resp: 3197

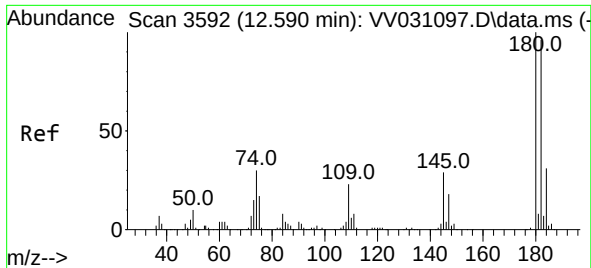
Ion Ratio Lower Upper

75 100

155 70.6 70.9 106.3#

157 101.4 88.1 132.1

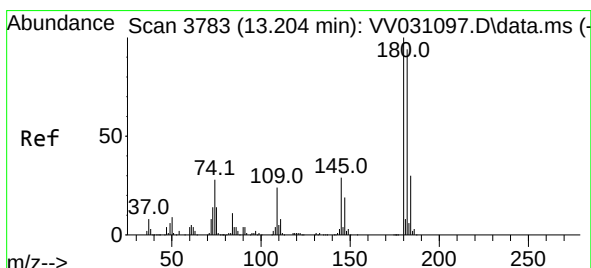
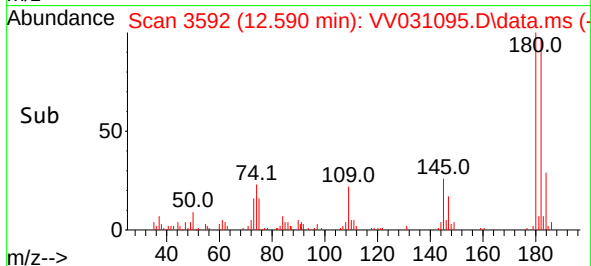
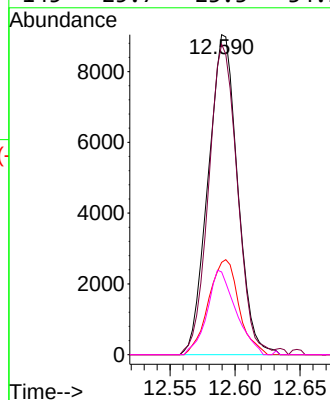
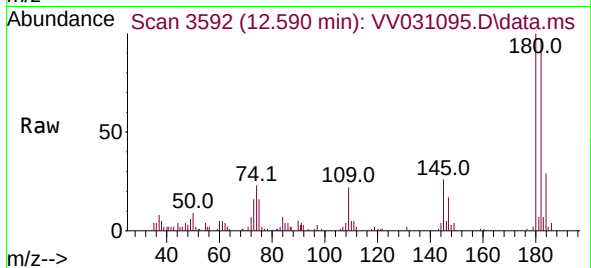




#69
 1,3,5-Trichlorobenzene
 Concen: 4.564 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. -0.000 min
 Lab File: VV031095.D
 Acq: 19 May 2023 09:29

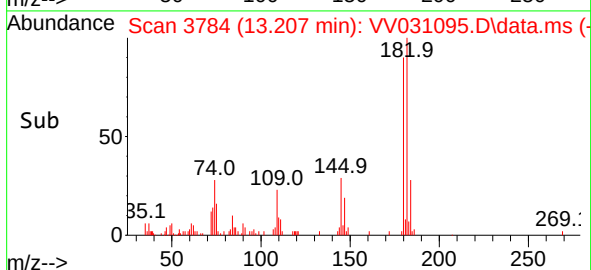
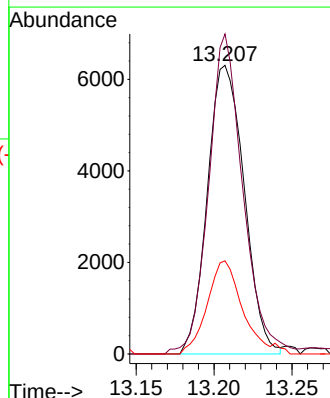
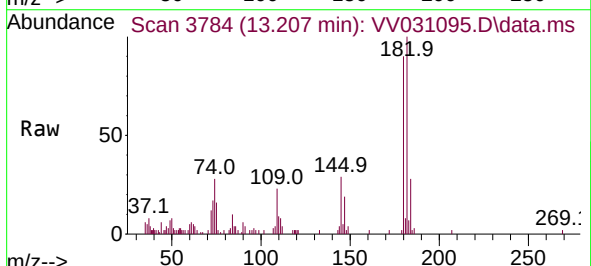
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005221

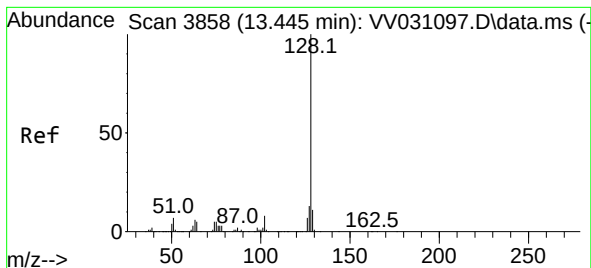
Tgt Ion:180	Resp:	14224
Ion Ratio	Lower	Upper
180	100	
182	94.5	76.6 115.0
184	30.6	24.6 37.0
145	25.7	23.3 34.9



#70
 1,2,4-trichlorobenzene
 Concen: 3.887 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. 0.003 min
 Lab File: VV031095.D
 Acq: 19 May 2023 09:29

Tgt Ion:180	Resp:	10347
Ion Ratio	Lower	Upper
180	100	
182	103.0	75.4 113.2
145	30.4	23.1 34.7





#71

Naphthalene

Concen: 3.230 ug/L

RT: 13.451 min Scan# 3860

Delta R.T. 0.006 min

Lab File: VV031095.D

Acq: 19 May 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD005221

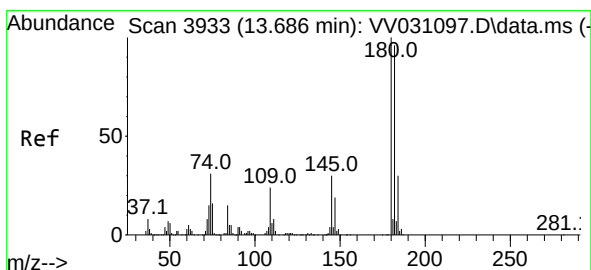
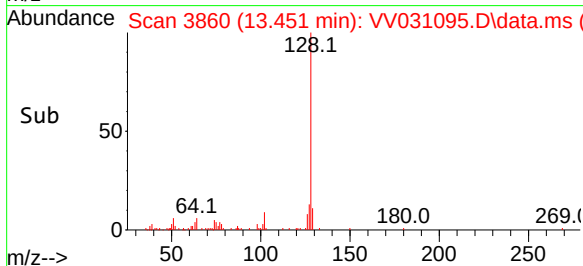
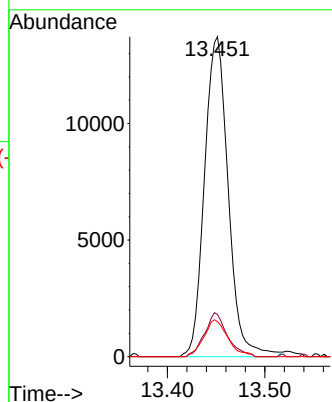
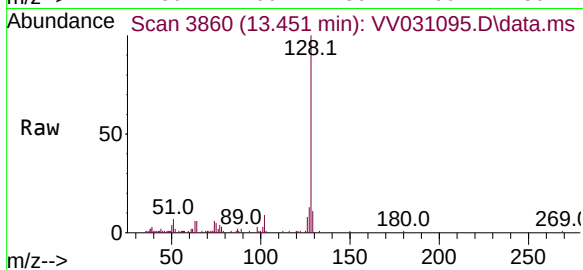
Tgt Ion:128 Resp: 23232

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

129 11.7 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 3.812 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.003 min

Lab File: VV031095.D

Acq: 19 May 2023 09:29

Tgt Ion:180 Resp: 10058

Ion Ratio Lower Upper

180 100

182 94.2 75.4 113.0

145 30.2 24.2 36.4

