

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051923\
 Data File : VW031097.D
 Acq On : 19 May 2023 10:17
 Operator : SY/MD
 Sample : VSTD05023
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050223

Quant Time: May 19 23:55:04 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	5.542	114	281808	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	276105	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	168507	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	115665	54.410	ug/L	0.00
7) Chloroethane-d5	1.536	69	89586	50.960	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	54332	53.802	ug/L	0.00
21) 2-Butanone-d5	3.793	46	128424	110.184	ug/L	0.00
24) Chloroform-d	4.259	84	204940	53.571	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	141081	56.446	ug/L	0.00
32) Benzene-d6	4.966	84	373450	55.793	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	109915	53.180	ug/L	0.00
41) Toluene-d8	7.249	98	360988	57.335	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	55447	53.410	ug/L	0.00
47) 2-Hexanone-d5	8.031	63	86404	105.710	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	163430	54.323	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	144485	52.992	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	89168	38.566	ug/L	100
3) Chloromethane	1.217	50	96610	32.576	ug/L	100
5) Vinyl chloride	1.285	62	86792	35.859	ug/L	100
6) Bromomethane	1.491	94	45719	45.547	ug/L	100
8) Chloroethane	1.552	64	53710	32.738	ug/L	100
9) Trichlorofluoromethane	1.716	101	171684	42.641	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	90777	42.699	ug/L	100
12) 1,1-Dichloroethene	2.076	96	74998	39.796	ug/L	100
13) Acetone	2.121	43	161381	92.345	ug/L	100
14) Carbon disulfide	2.246	76	138731	27.534	ug/L	100
15) Methyl Acetate	2.378	43	97272	43.021	ug/L	100
16) Methylene chloride	2.455	84	82320	38.216	ug/L	100
17) trans-1,2-Dichloroethene	2.700	96	70630	37.413	ug/L	100
18) Methyl tert-butyl Ether	2.709	73	275192	44.291	ug/L	100
19) 1,1-Dichloroethane	3.118	63	159923	40.818	ug/L	100
20) cis-1,2-Dichloroethene	3.822	96	88025	42.029	ug/L	100
22) 2-Butanone	3.876	43	161794	90.666	ug/L	100
23) Bromochloromethane	4.156	128	48204	41.360	ug/L	100
25) Chloroform	4.285	83	181152	44.324	ug/L	100
27) 1,2-Dichloroethane	5.050	62	158874	45.655	ug/L	100
29) Cyclohexane	4.593	56	107028	34.744	ug/L	100
30) 1,1,1-Trichloroethane	4.523	97	166248	43.869	ug/L	100
31) Carbon tetrachloride	4.744	117	146548	43.348	ug/L	100
33) Benzene	5.018	78	339671	42.257	ug/L	100
34) Trichloroethene	5.841	95	86100	41.097	ug/L	100
35) Methylcyclohexane	6.060	83	118101	36.833	ug/L	100
37) 1,2-Dichloropropane	6.098	63	91817	42.276	ug/L	100
38) Bromodichloromethane	6.439	83	138494	44.562	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	138002	42.244	ug/L	100
40) 4-Methyl-2-pentanone	7.166	43	287320	93.299	ug/L	100
42) Toluene	7.323	91	373078	43.400	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	147602	45.612	ug/L	100

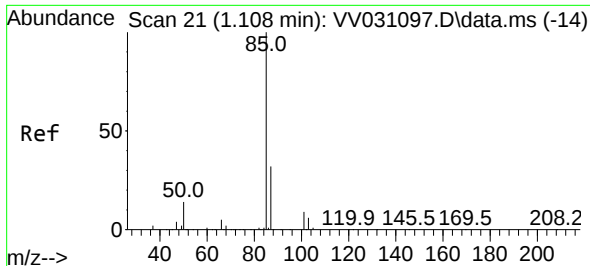
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051923\
 Data File : VV031097.D
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Quant Time: May 19 23:55:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 19 23:53:31 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.773	97	99861	45.129	ug/L	100
46) Tetrachloroethene	7.912	164	73638	40.296	ug/L	100
48) 2-Hexanone	8.082	43	241979	94.529	ug/L	100
49) Dibromochloromethane	8.182	129	108928	44.580	ug/L	100
50) 1,2-Dibromoethane	8.288	107	97474	42.998	ug/L	100
51) Chlorobenzene	8.822	112	250173	43.328	ug/L	100
52) Ethylbenzene	8.953	91	413892	43.301	ug/L	100
53) m,p-Xylene	9.079	106	161591	44.674	ug/L	100
54) o-Xylene	9.484	106	156385	43.997	ug/L	100
55) Styrene	9.503	104	286640	46.036	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	162122	44.629	ug/L	100
59) Bromoform	9.670	173	91632	44.320	ug/L	100
60) Isopropylbenzene	9.873	105	438660	43.197	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	128616	43.611	ug/L	100
62) 1,3,5-Trimethylbenzene	10.484	105	353478	42.410	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	350699	42.291	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	225963	44.123	ug/L	100
65) 1,4-Dichlorobenzene	11.217	146	235313	43.638	ug/L	100
67) 1,2-Dichlorobenzene	11.587	146	230863	44.525	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.371	75	36796	42.239	ug/L	100
69) 1,3,5-Trichlorobenzene	12.590	180	166638	43.160	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	148406	45.008	ug/L	100
71) Naphthalene	13.445	128	385542	43.265	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	152429	46.629	ug/L	100

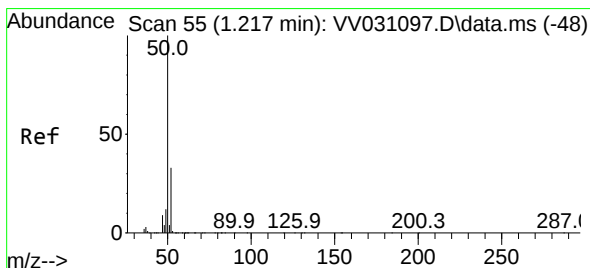
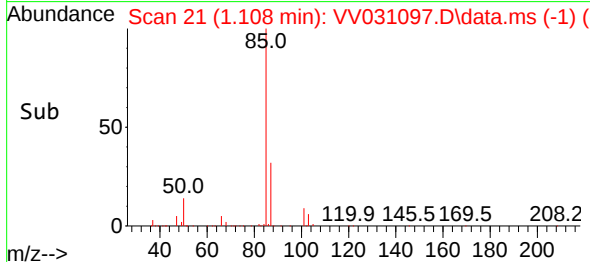
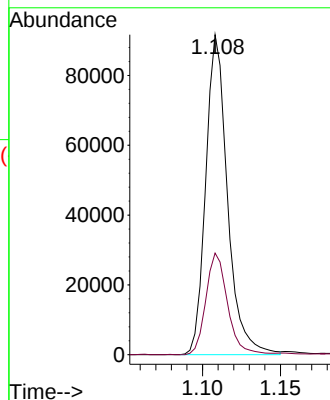
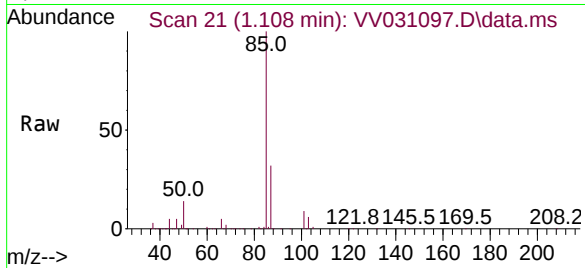
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#2
 Dichlorodifluoromethane
 Concen: 38.566 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031097.D
 Acq: 19 May 2023 10:17

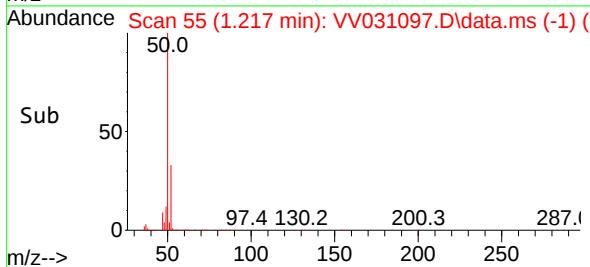
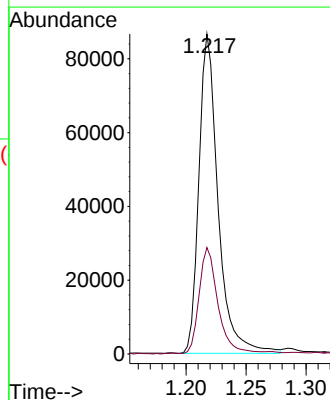
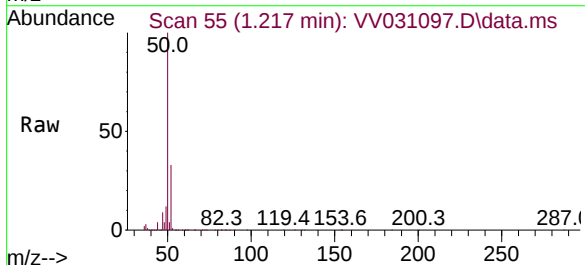
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050223

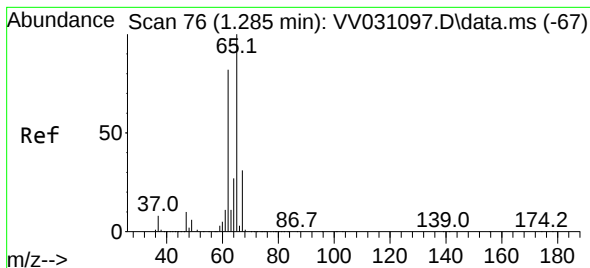
Tgt Ion: 85 Resp: 89168
 Ion Ratio Lower Upper
 85 100
 87 31.5 25.2 37.8



#3
 Chloromethane
 Concen: 32.576 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031097.D
 Acq: 19 May 2023 10:17

Tgt Ion: 50 Resp: 96610
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.3 43.3





#5

Vinyl chloride

Concen: 35.859 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV031097.D

Acq: 19 May 2023 10:17

Instrument :

MSVOA_V

ClientSampleId :

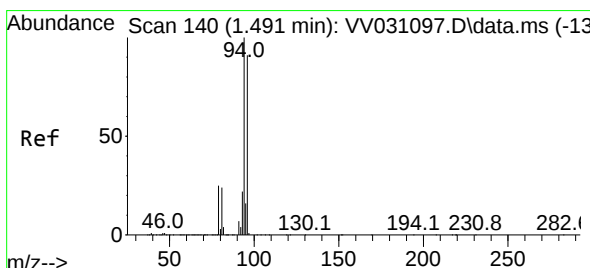
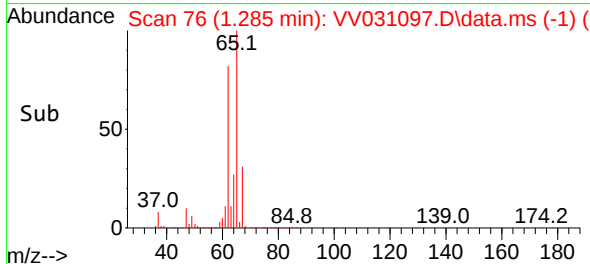
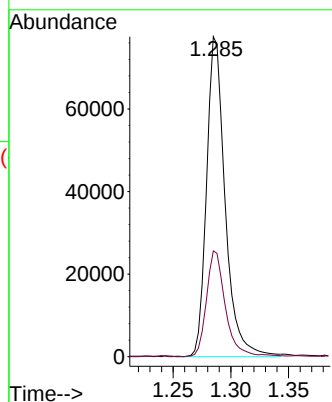
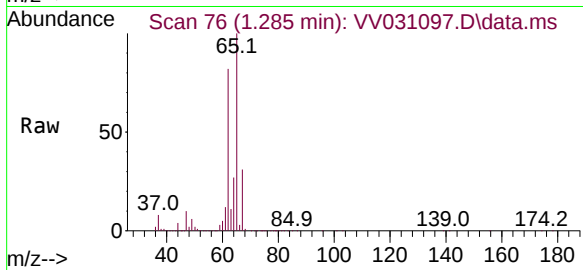
VSTD050223

Tgt Ion: 62 Resp: 86792

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



#6

Bromomethane

Concen: 45.547 ug/L

RT: 1.491 min Scan# 140

Delta R.T. 0.000 min

Lab File: VV031097.D

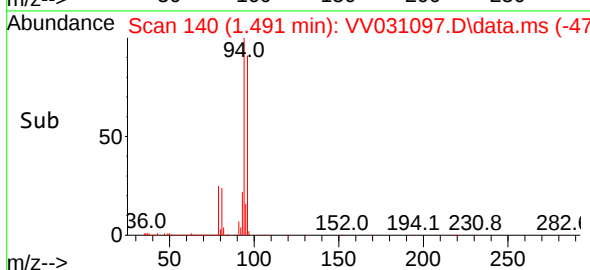
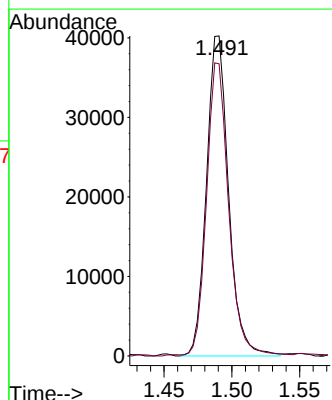
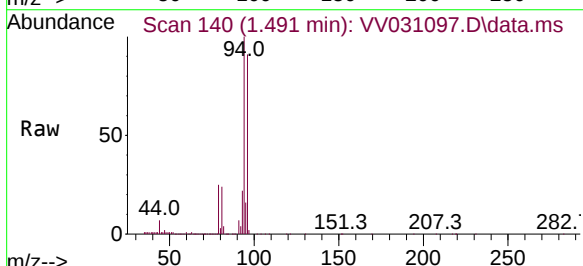
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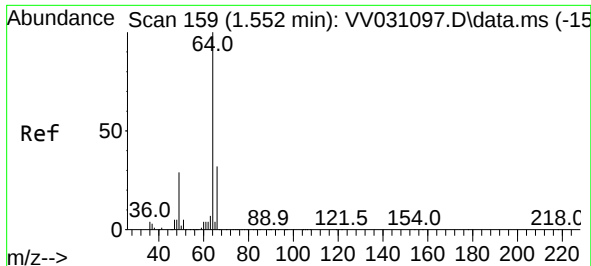
Tgt Ion: 94 Resp: 45719

Ion Ratio Lower Upper

94 100

96 91.3 63.9 118.7

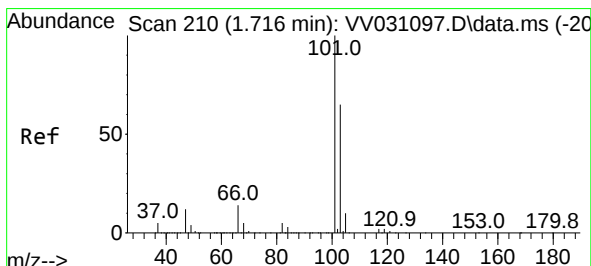
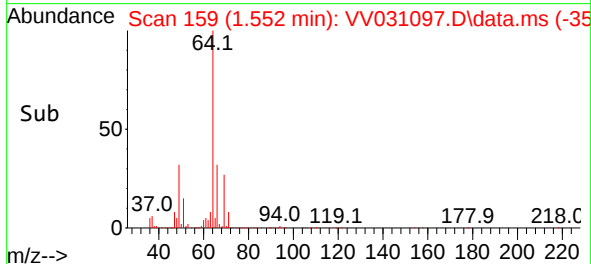
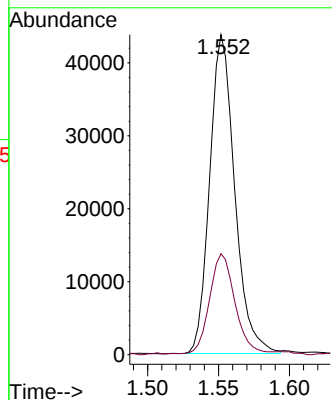
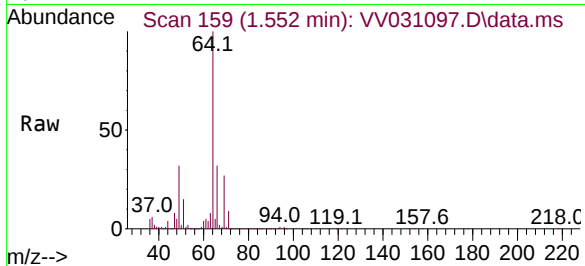




#8
Chloroethane
Concen: 32.738 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

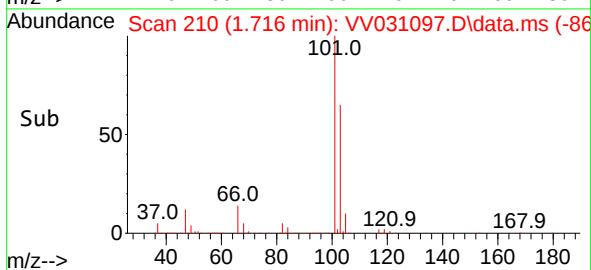
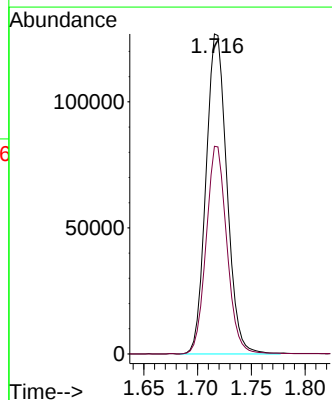
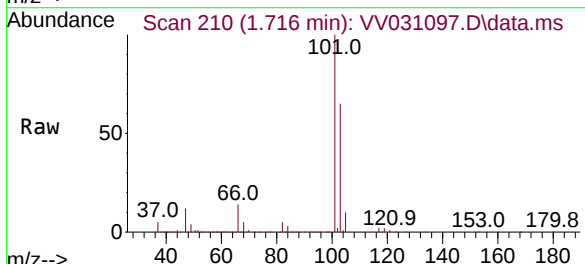
Instrument :
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ClientSampleId :
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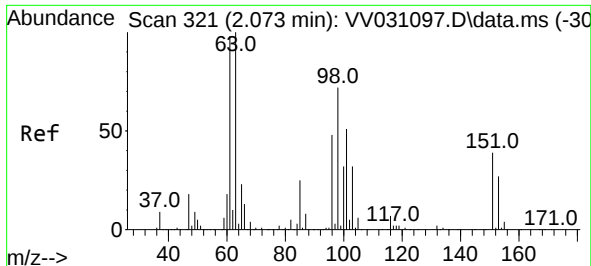
Tgt Ion: 64 Resp: 53710
Ion Ratio Lower Upper
64 100
66 31.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 42.641 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

Tgt Ion:101 Resp: 171684
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2

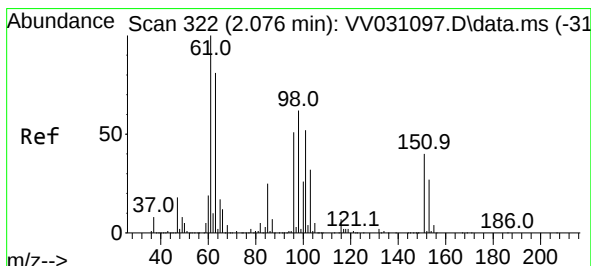
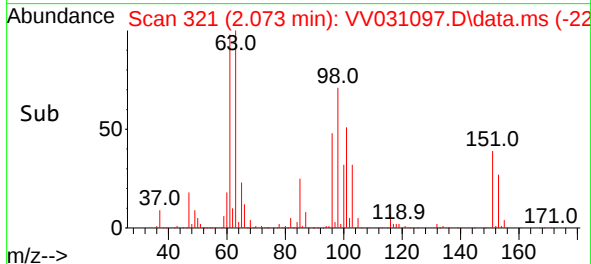
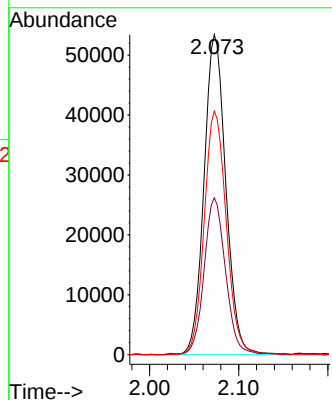
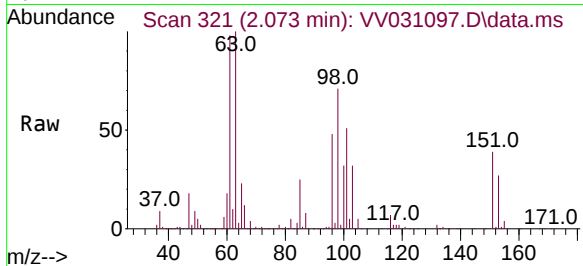




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 42.699 ug/L
 RT: 2.073 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VV031097.D
 Acq: 19 May 2023 10:17

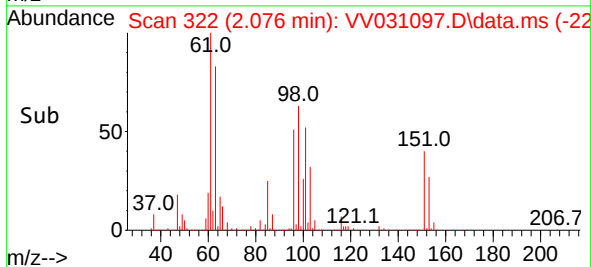
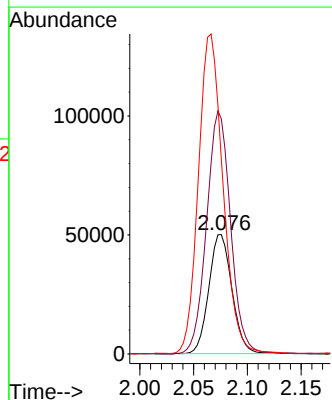
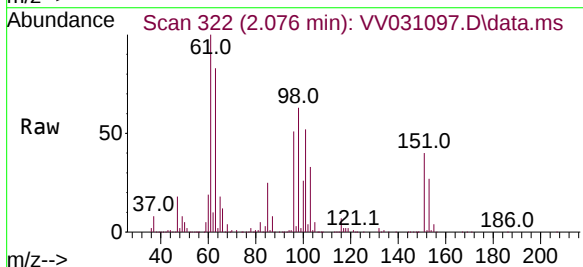
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 ClientSampleId :
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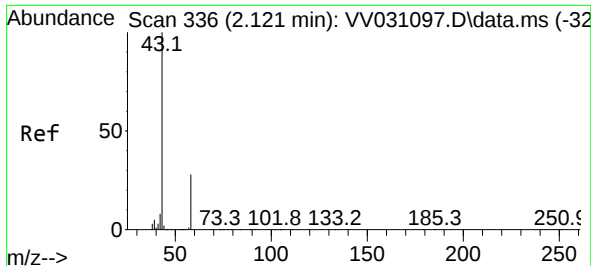
Tgt Ion:101 Resp: 90777
 Ion Ratio Lower Upper
 101 100
 85 47.5 38.0 57.0
 151 77.1 61.7 92.5



#12
 1,1-Dichloroethene
 Concen: 39.796 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.000 min
 Lab File: VV031097.D
 Acq: 19 May 2023 10:17

Tgt Ion: 96 Resp: 74998
 Ion Ratio Lower Upper
 96 100
 61 197.0 137.9 256.1
 63 163.1 114.2 212.0





#13

Acetone

Concen: 92.345 ug/L

RT: 2.121 min Scan# 336

Delta R.T. 0.000 min

Lab File: VV031097.D

Acq: 19 May 2023 10:17

Instrument :

MSVOA_V

ClientSampleId :

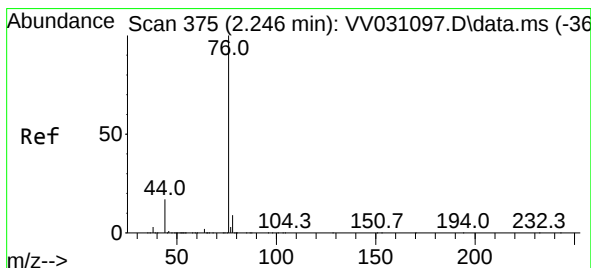
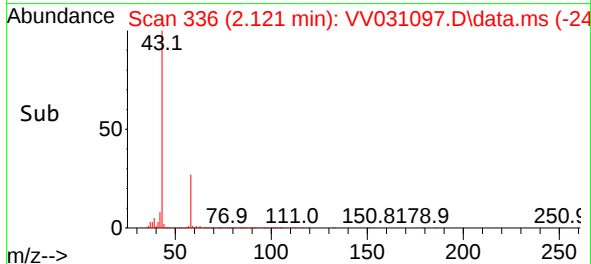
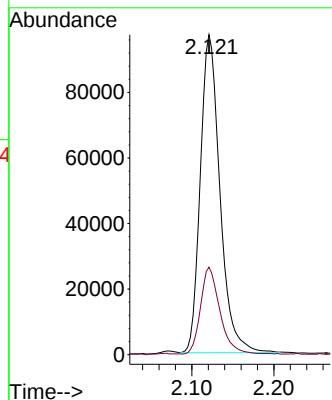
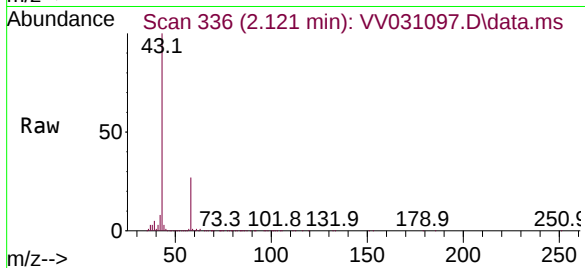
VSTD050223

Tgt Ion: 43 Resp: 161381

Ion Ratio Lower Upper

43 100

58 27.0 0.0 54.0



#14

Carbon disulfide

Concen: 27.534 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV031097.D

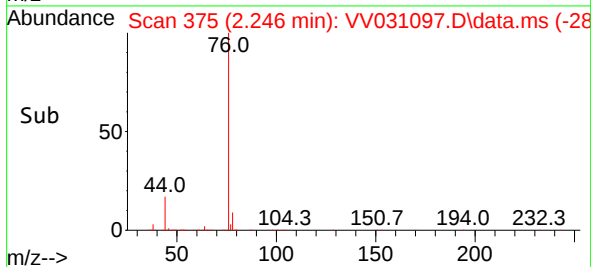
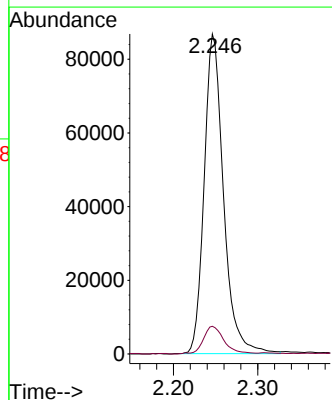
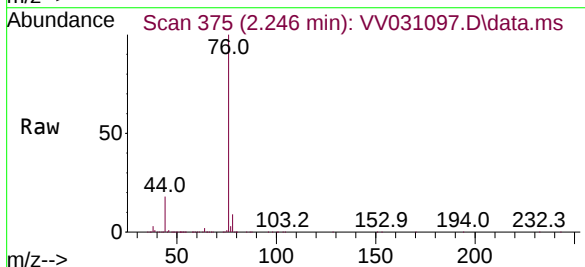
Acq: 19 May 2023 10:17

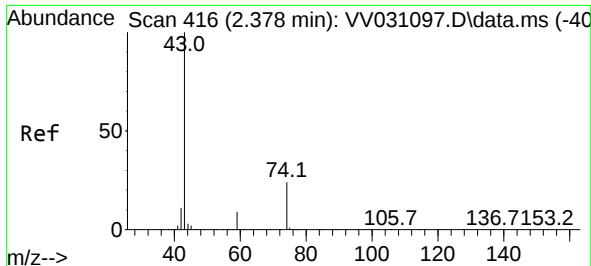
Tgt Ion: 76 Resp: 138731

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4

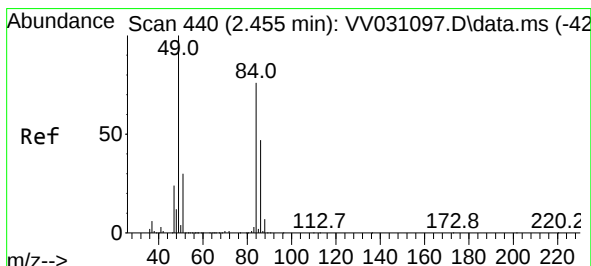
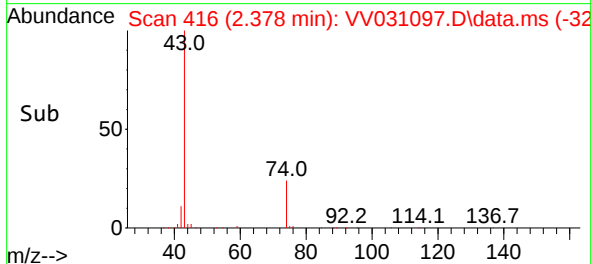
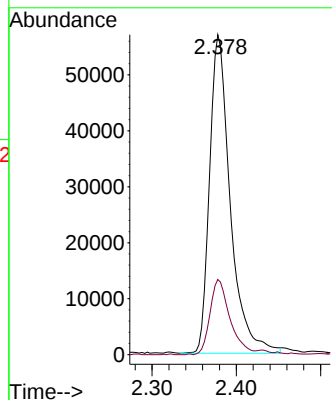
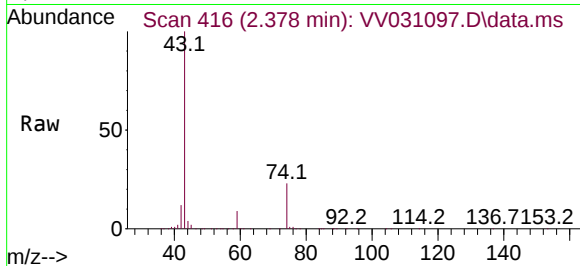




#15
Methyl Acetate
Concen: 43.021 ug/L
RT: 2.378 min Scan# 416
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

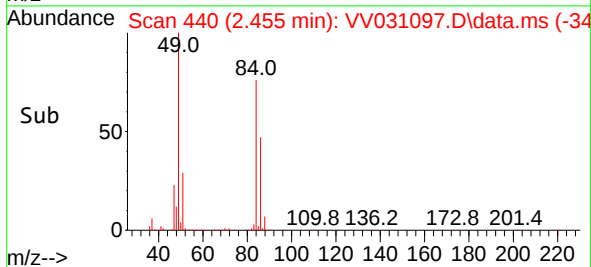
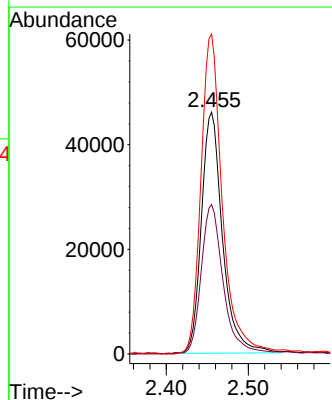
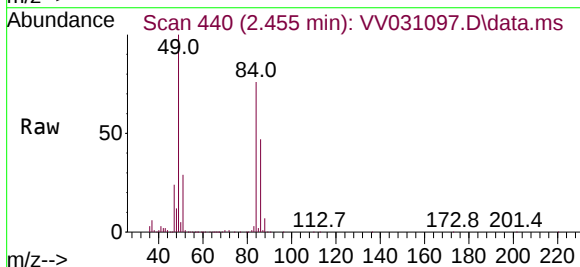
Instrument :
MSVOA_V
ClientSampleId :
VSTD050223

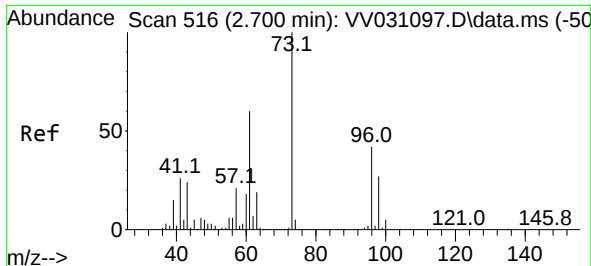
Tgt Ion: 43 Resp: 97272
Ion Ratio Lower Upper
43 100
74 22.6 18.1 27.1



#16
Methylene chloride
Concen: 38.216 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

Tgt Ion: 84 Resp: 82320
Ion Ratio Lower Upper
84 100
86 61.8 43.3 80.3
49 132.3 92.6 172.0





#17

trans-1,2-Dichloroethene

Concen: 37.413 ug/L

RT: 2.700 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV031097.D

Acq: 19 May 2023 10:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD050223

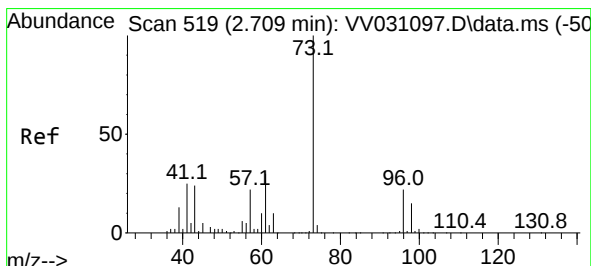
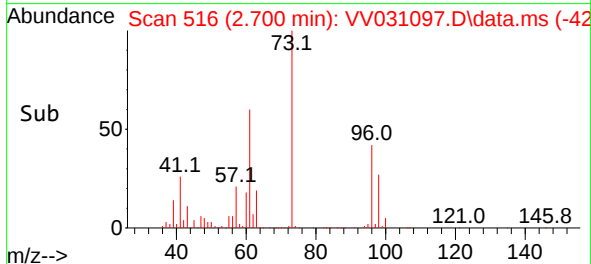
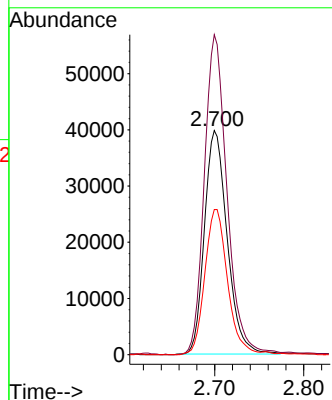
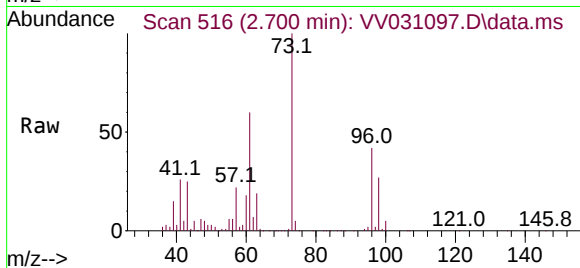
Tgt Ion: 96 Resp: 70630

Ion Ratio Lower Upper

96 100

61 142.8 100.0 185.6

98 64.8 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 44.291 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.000 min

Lab File: VV031097.D

Acq: 19 May 2023 10:17

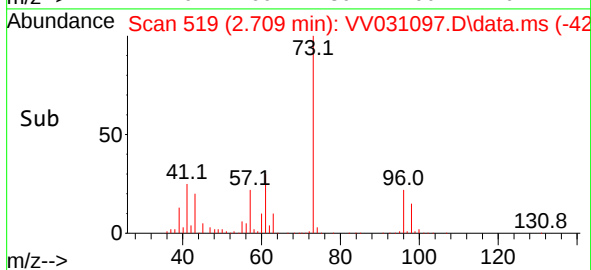
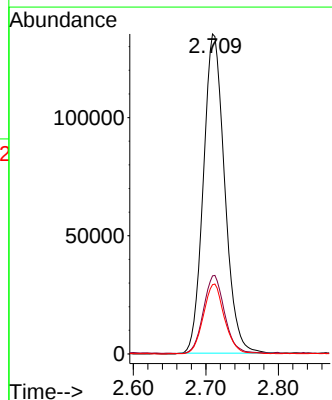
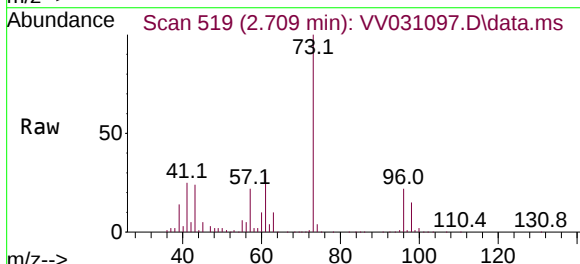
Tgt Ion: 73 Resp: 275192

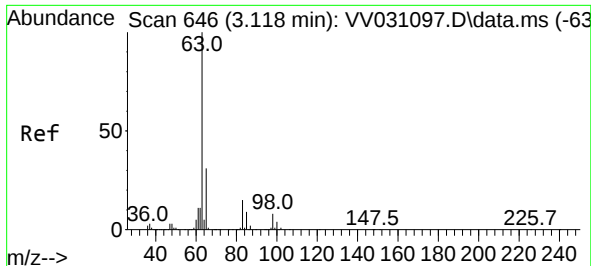
Ion Ratio Lower Upper

73 100

43 24.3 19.4 29.2

57 21.4 17.1 25.7

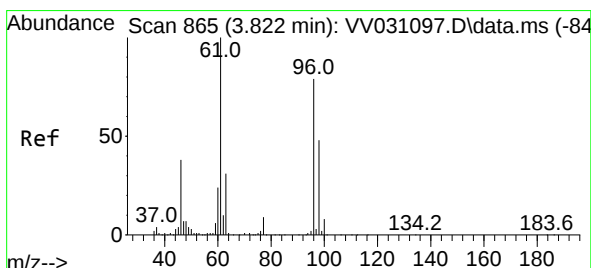
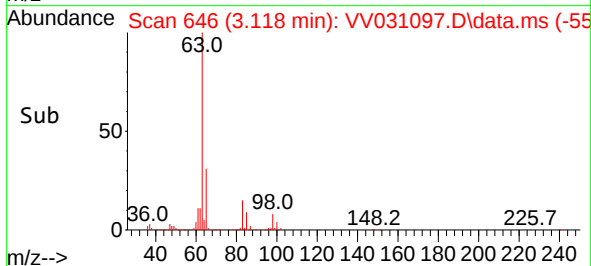
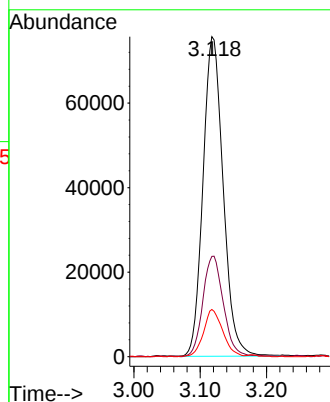
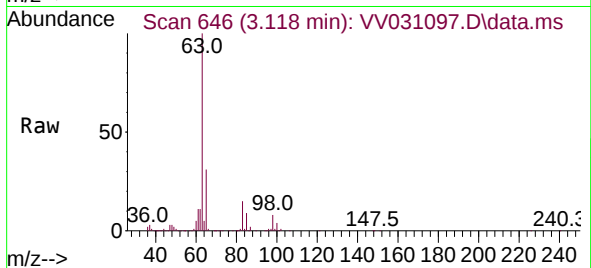




#19
1,1-Dichloroethane
Concen: 40.818 ug/L
RT: 3.118 min Scan# 646
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

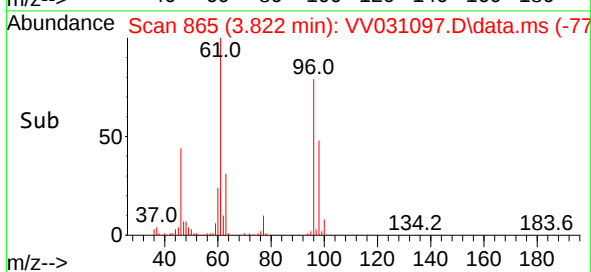
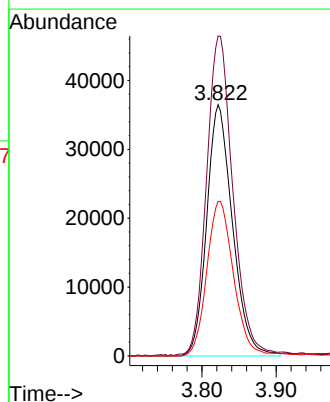
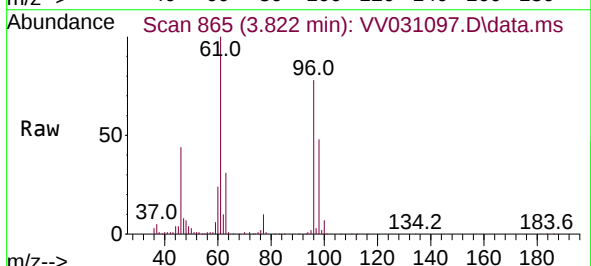
Instrument :
MSVOA_V
ClientSampleId :
VSTD050223

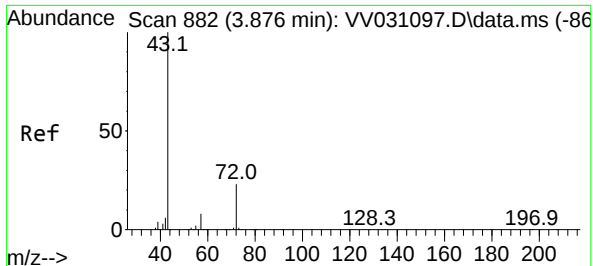
Tgt Ion: 63 Resp: 159923
Ion Ratio Lower Upper
63 100
65 31.3 21.9 40.7
83 14.8 10.4 19.2



#20
cis-1,2-Dichloroethene
Concen: 42.029 ug/L
RT: 3.822 min Scan# 865
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

Tgt Ion: 96 Resp: 88025
Ion Ratio Lower Upper
96 100
61 127.4 89.2 165.6
98 61.5 43.0 80.0

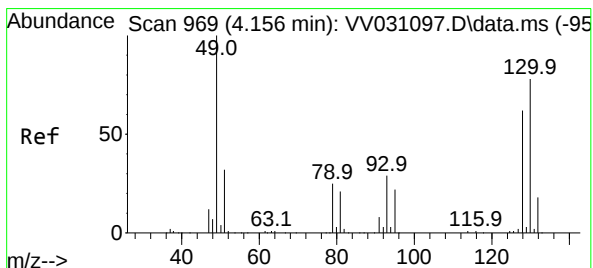
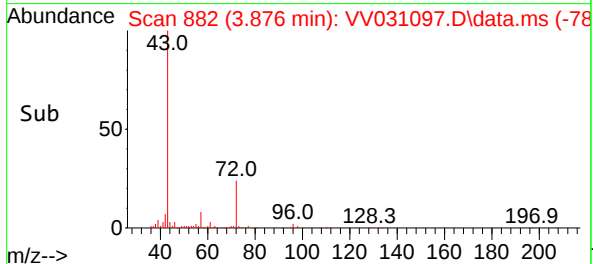
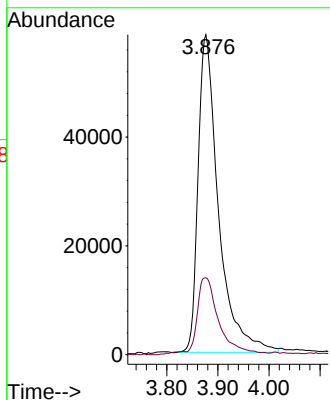
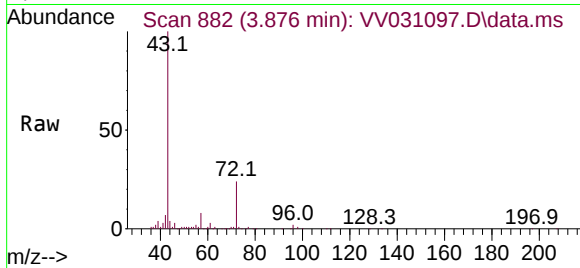




#22
2-Butanone
Concen: 90.666 ug/L
RT: 3.876 min Scan# 882
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

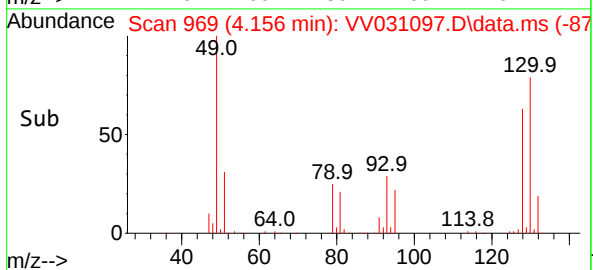
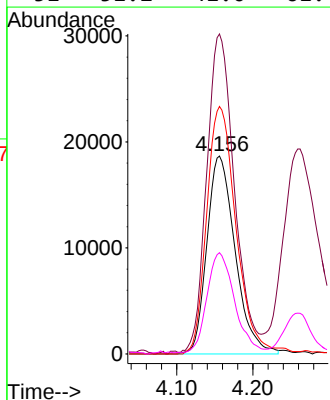
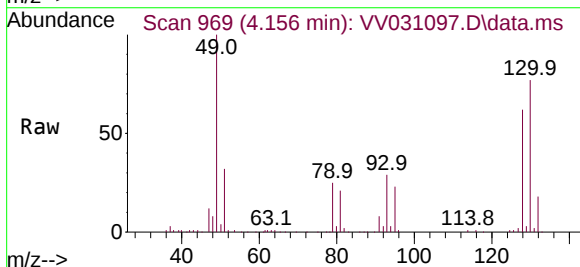
Instrument :
MSVOA_V
ClientSampleId :
VSTD050223

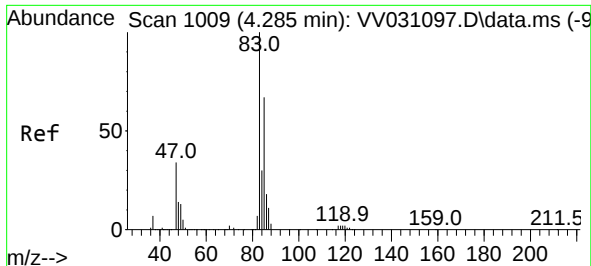
Tgt Ion: 43 Resp: 161794
Ion Ratio Lower Upper
43 100
72 23.8 11.9 35.7



#23
Bromochloromethane
Concen: 41.360 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

Tgt Ion: 128 Resp: 48204
Ion Ratio Lower Upper
128 100
49 161.7 113.2 210.2
130 125.0 87.5 162.5
51 51.2 41.0 61.4

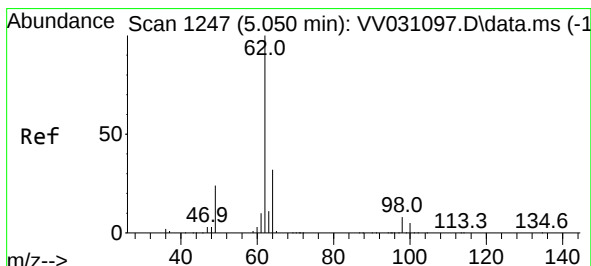
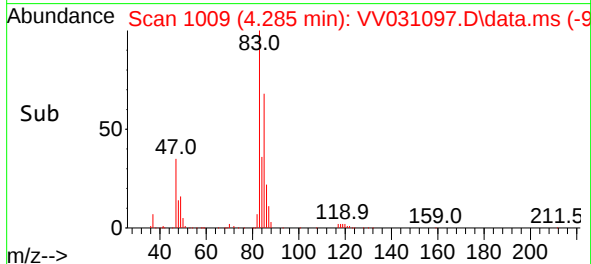
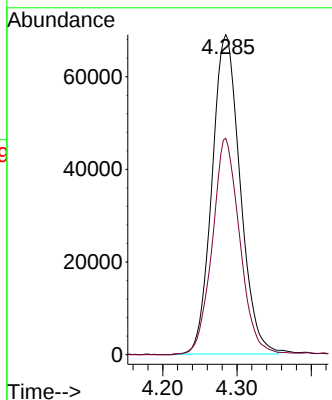
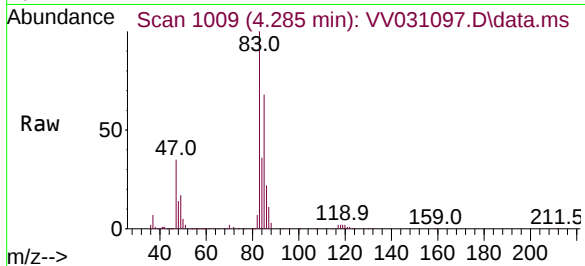




#25
Chloroform
Concen: 44.324 ug/L
RT: 4.285 min Scan# 1009
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

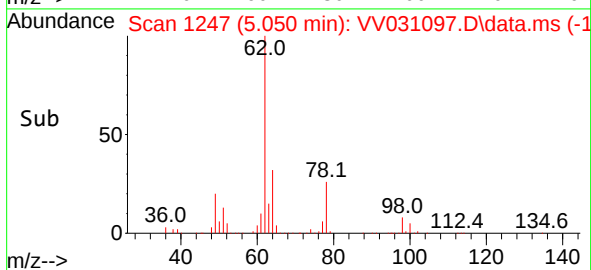
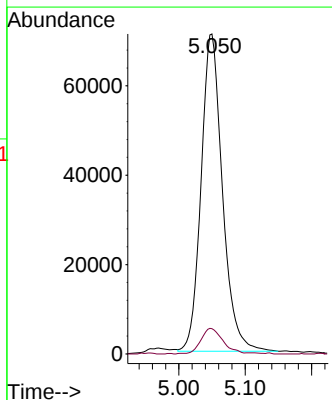
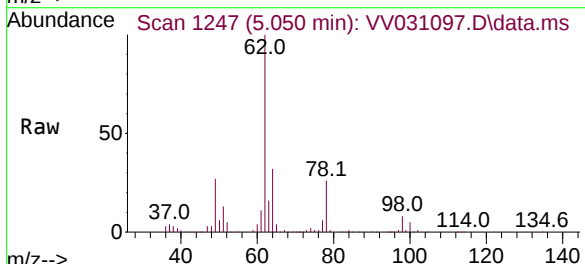
Instrument :
MSVOA_V
ClientSampleId :
VSTD050223

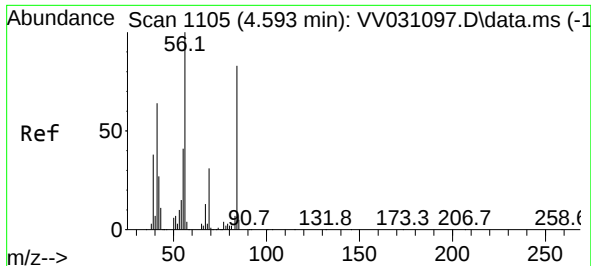
Tgt Ion: 83 Resp: 181152
Ion Ratio Lower Upper
83 100
85 67.6 47.3 87.9



#27
1,2-Dichloroethane
Concen: 45.655 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

Tgt Ion: 62 Resp: 158874
Ion Ratio Lower Upper
62 100
98 7.9 6.3 9.5





#29

Cyclohexane

Concen: 34.744 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV031097.D

Acq: 19 May 2023 10:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD050223

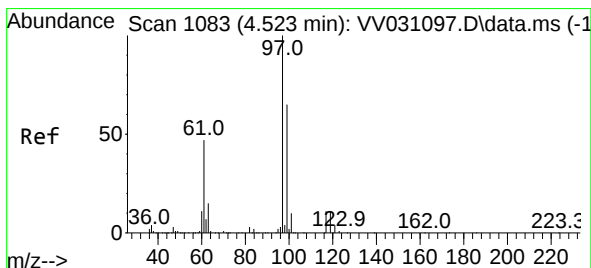
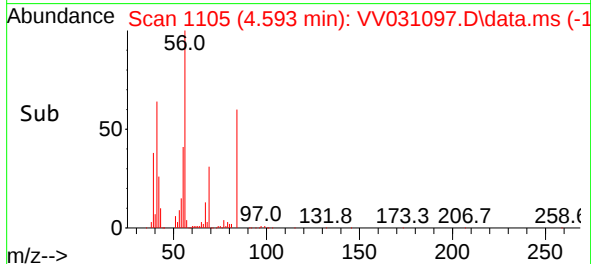
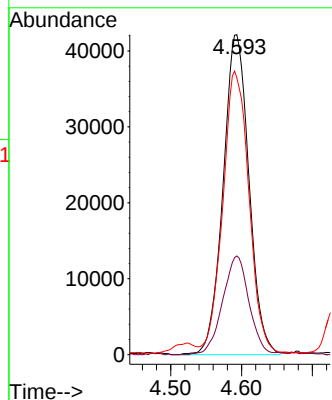
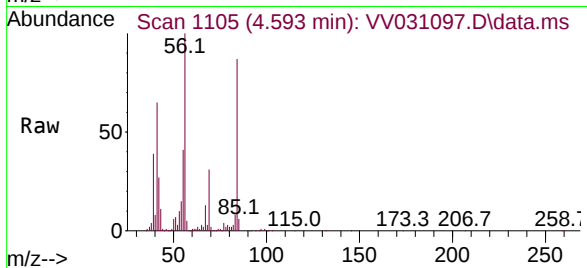
Tgt Ion: 56 Resp: 107028

Ion Ratio Lower Upper

56 100

69 31.4 25.1 37.7

84 89.4 71.5 107.3



#30

1,1,1-Trichloroethane

Concen: 43.869 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VV031097.D

Acq: 19 May 2023 10:17

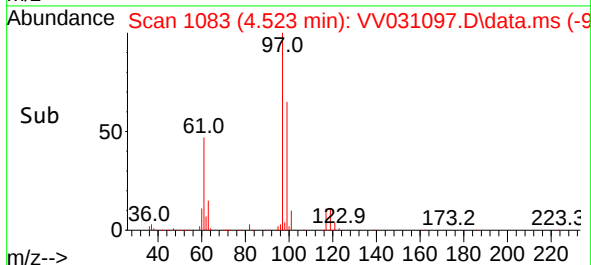
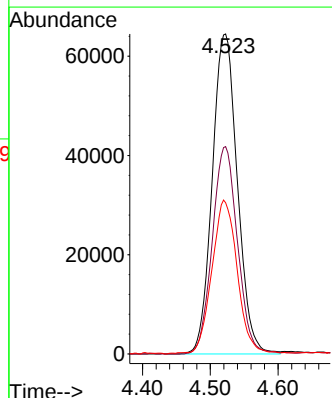
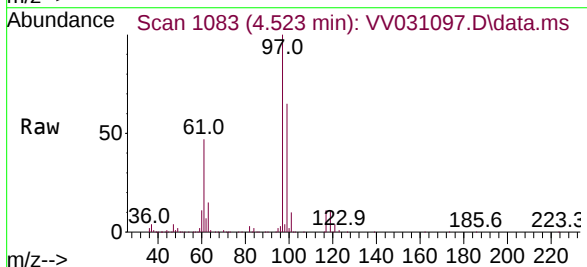
Tgt Ion: 97 Resp: 166248

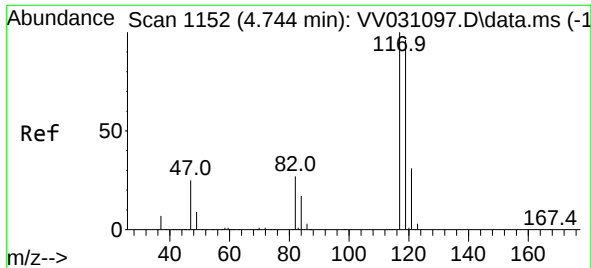
Ion Ratio Lower Upper

97 100

99 64.9 51.9 77.9

61 47.7 38.2 57.2

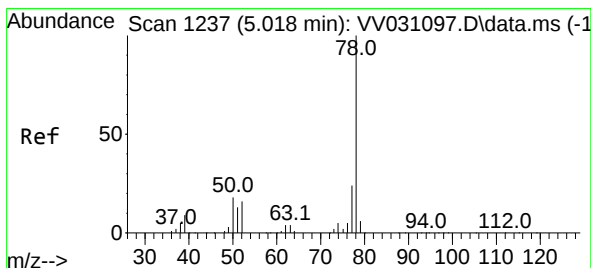
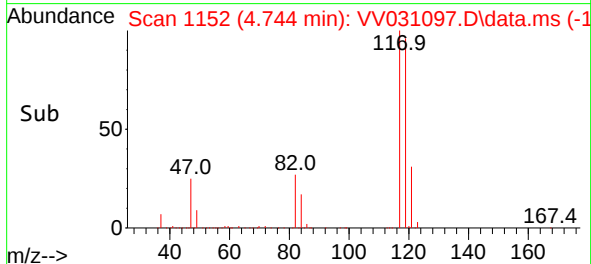
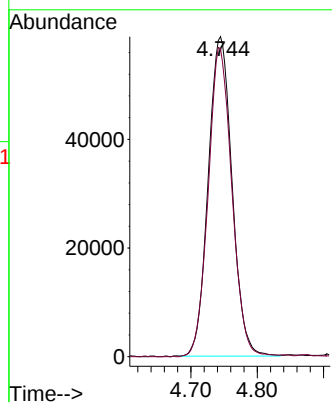
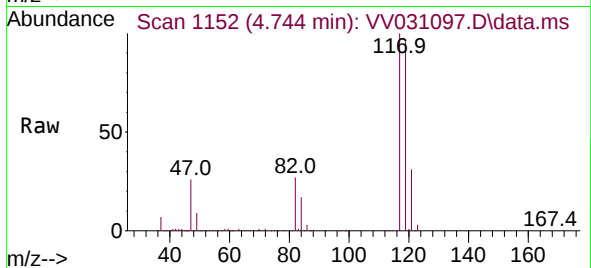




#31
Carbon tetrachloride
Concen: 43.348 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

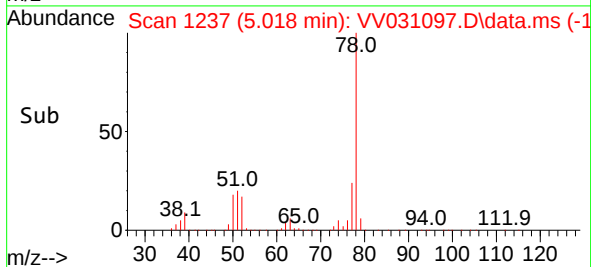
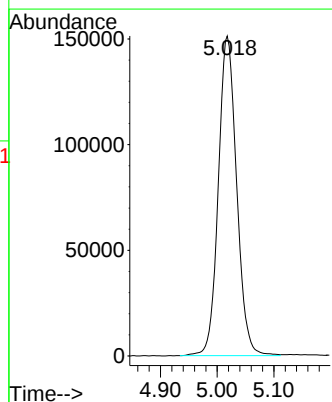
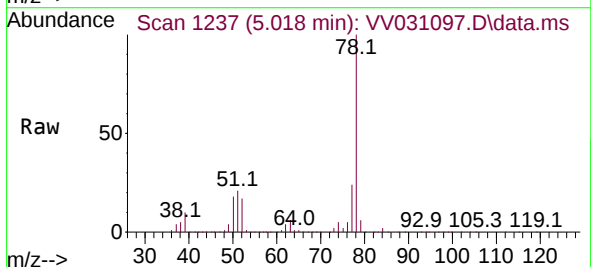
Instrument :
MSVOA_V
ClientSampleId :
VSTD050223

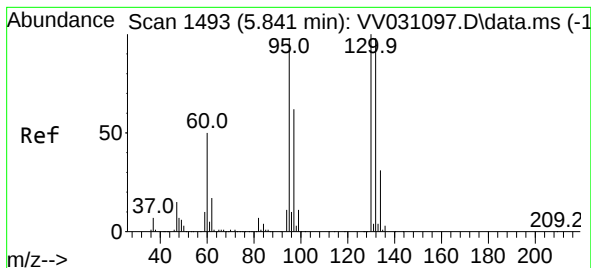
Tgt Ion:117 Resp: 146548
Ion Ratio Lower Upper
117 100
119 96.1 76.9 115.3



#33
Benzene
Concen: 42.257 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

Tgt Ion: 78 Resp: 339671





#34

Trichloroethene

Concen: 41.097 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VV031097.D

Acq: 19 May 2023 10:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD050223

Tgt Ion: 95 Resp: 86100

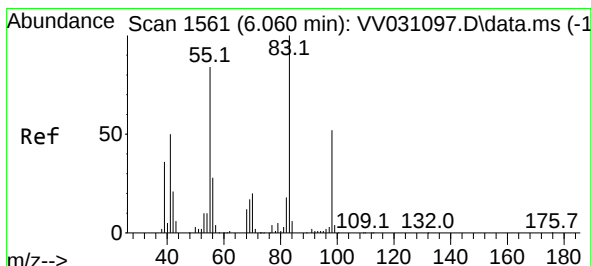
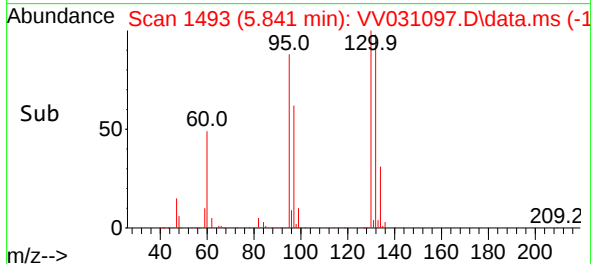
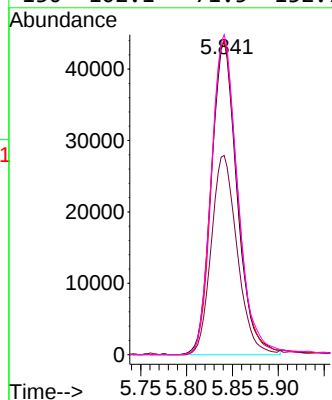
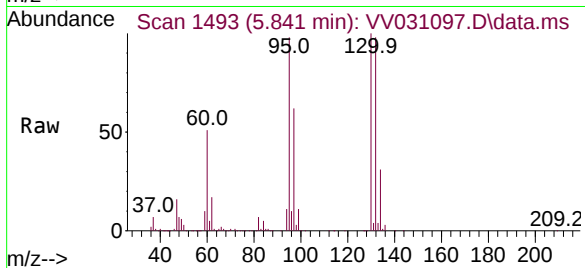
Ion Ratio Lower Upper

95 100

97 63.5 44.4 82.5

132 100.3 70.2 130.4

130 102.1 71.5 132.7



#35

Methylcyclohexane

Concen: 36.833 ug/L

RT: 6.060 min Scan# 1561

Delta R.T. 0.000 min

Lab File: VV031097.D

Acq: 19 May 2023 10:17

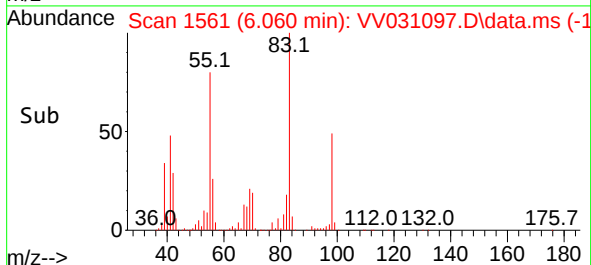
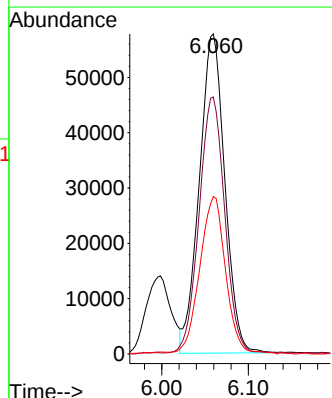
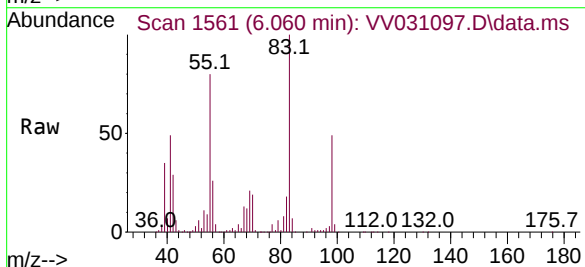
Tgt Ion: 83 Resp: 118101

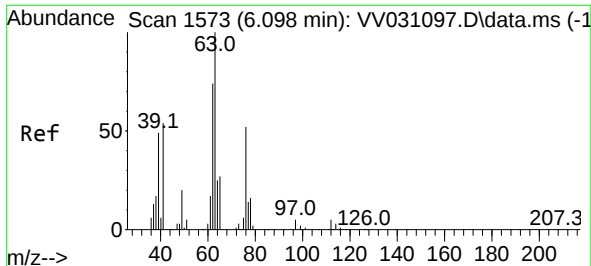
Ion Ratio Lower Upper

83 100

55 80.2 64.2 96.2

98 50.0 40.0 60.0

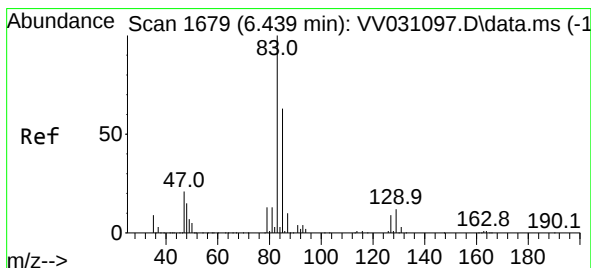
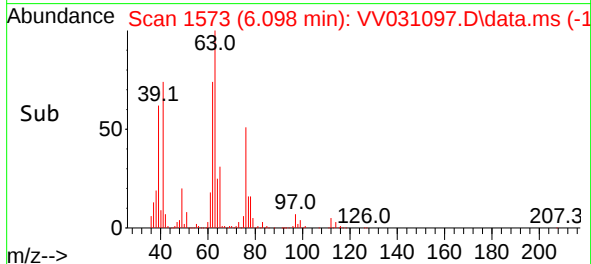
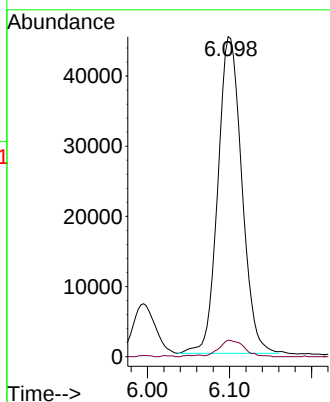
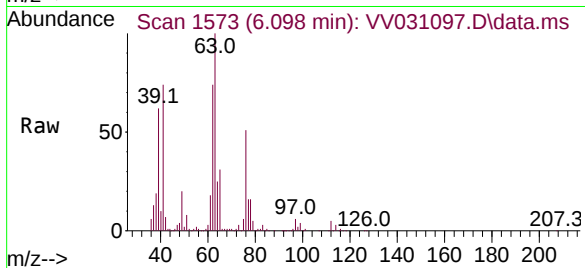




#37
1,2-Dichloropropane
Concen: 42.276 ug/L
RT: 6.098 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

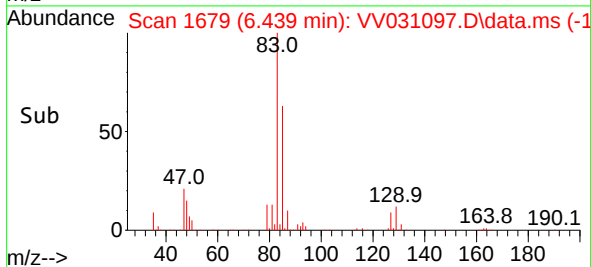
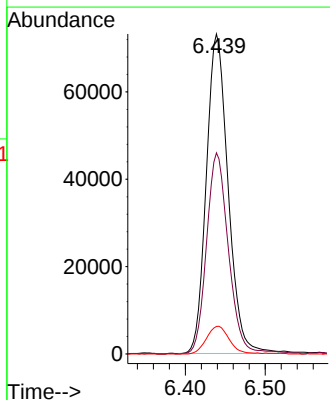
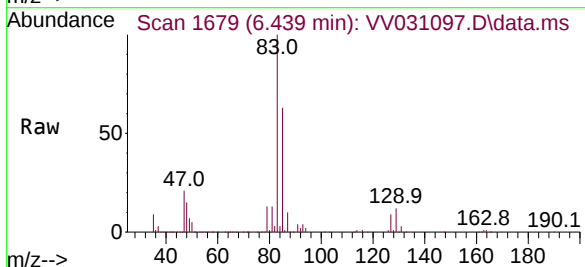
Instrument :
MSVOA_V
ClientSampleId :
VSTD050223

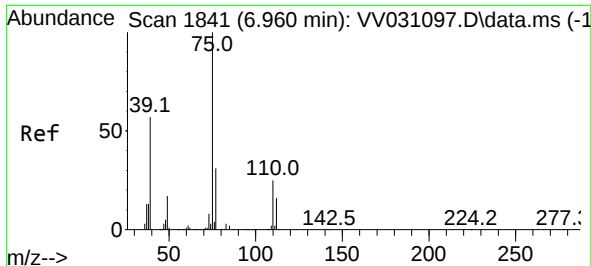
Tgt Ion: 63 Resp: 91817
Ion Ratio Lower Upper
63 100
112 5.4 4.3 6.5



#38
Bromodichloromethane
Concen: 44.562 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

Tgt Ion: 83 Resp: 138494
Ion Ratio Lower Upper
83 100
85 62.8 44.0 81.6
127 8.6 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 42.244 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031097.D

Acq: 19 May 2023 10:17

Instrument :

MSVOA_V

ClientSampleId :

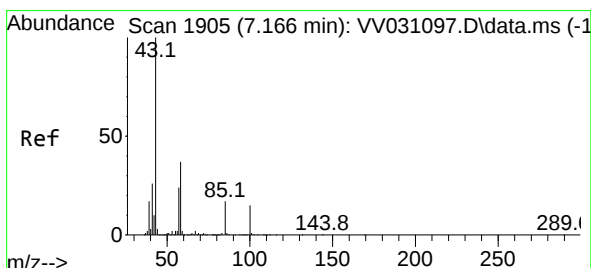
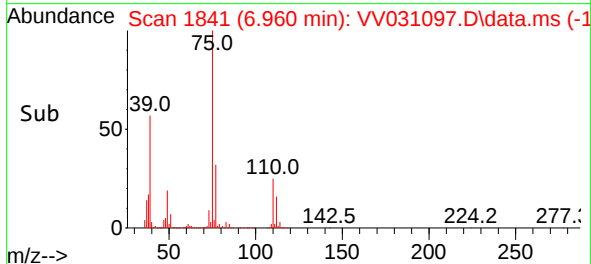
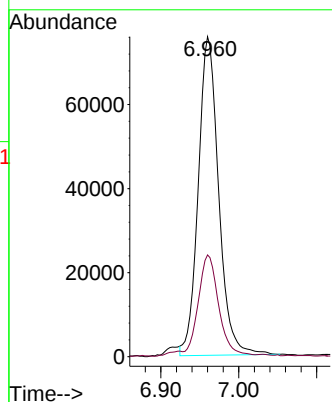
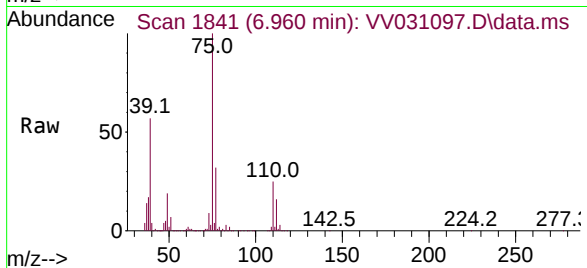
VSTD050223

Tgt Ion: 75 Resp: 138002

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 93.299 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VV031097.D

Acq: 19 May 2023 10:17

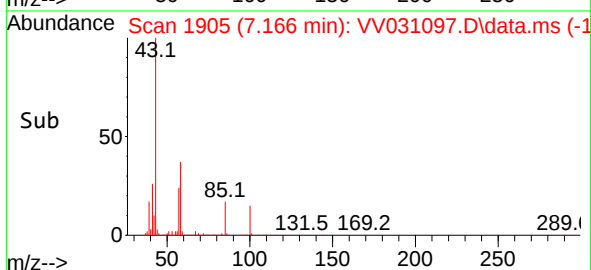
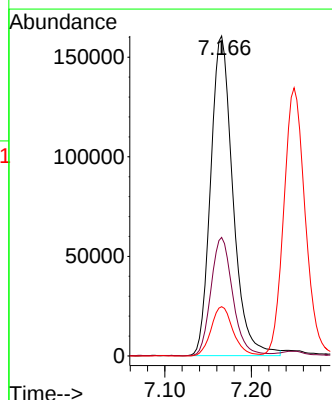
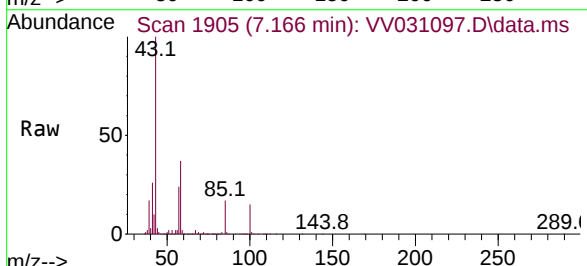
Tgt Ion: 43 Resp: 287320

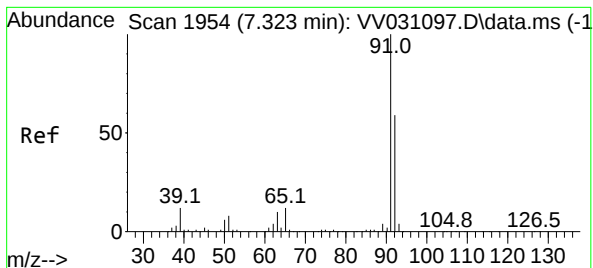
Ion Ratio Lower Upper

43 100

58 36.2 29.0 43.4

100 15.3 12.2 18.4





#42

Toluene

Concen: 43.400 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV031097.D

Acq: 19 May 2023 10:17

Instrument :

MSVOA_V

ClientSampleId :

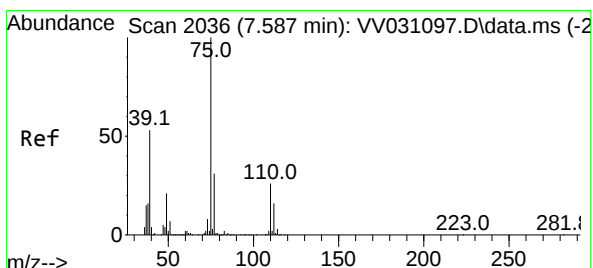
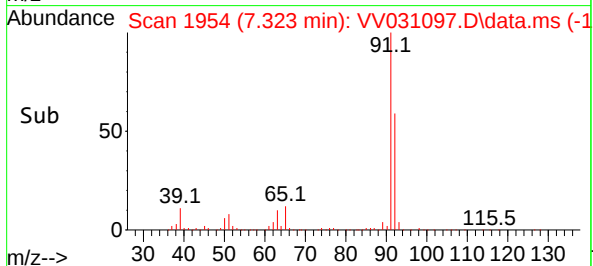
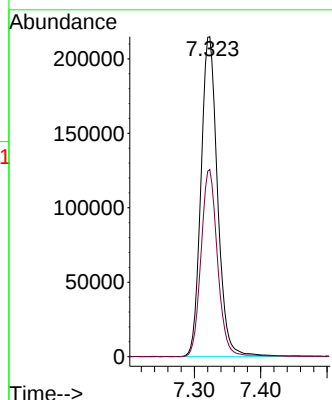
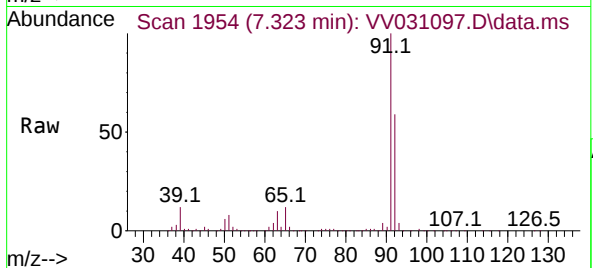
VSTD050223

Tgt Ion: 91 Resp: 373078

Ion Ratio Lower Upper

91 100

92 58.5 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 45.612 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV031097.D

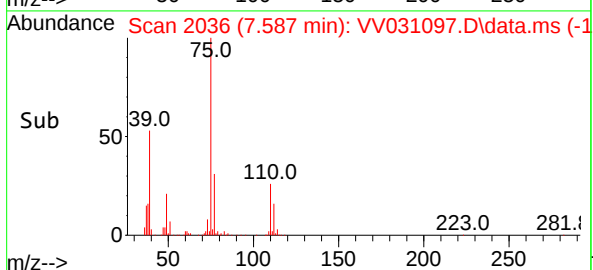
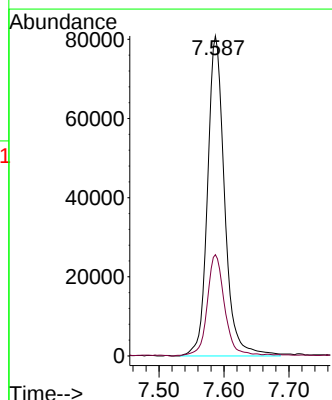
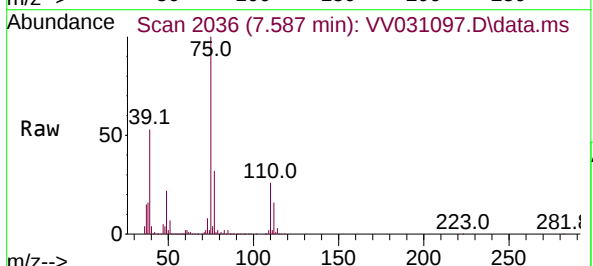
Acq: 19 May 2023 10:17

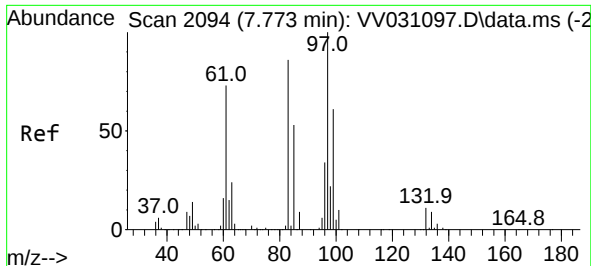
Tgt Ion: 75 Resp: 147602

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2

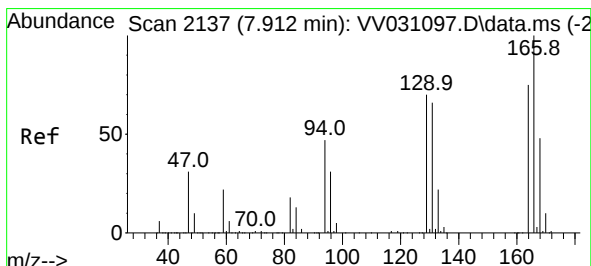
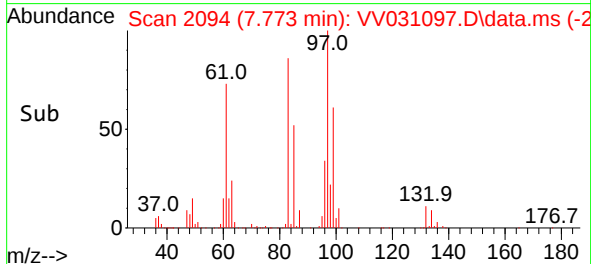
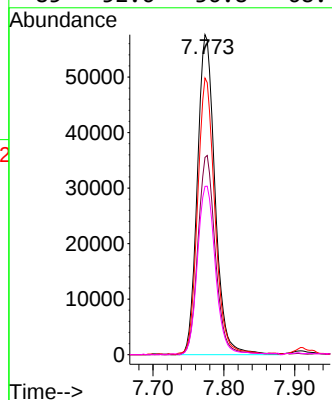
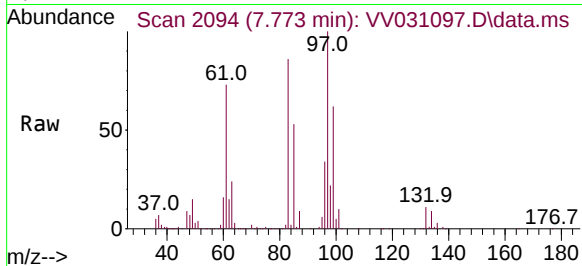




#45
1,1,2-Trichloroethane
Concen: 45.129 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

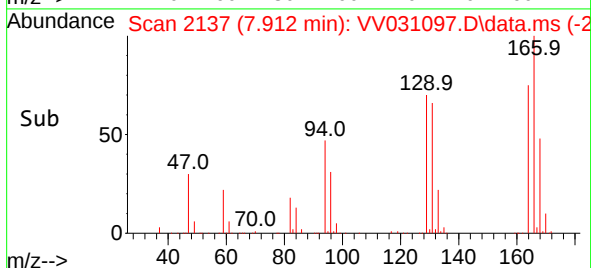
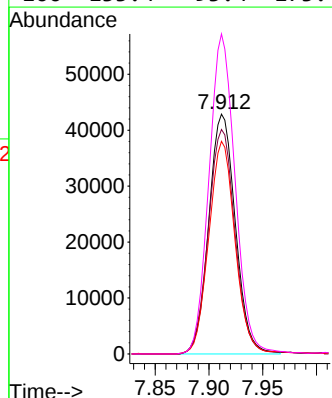
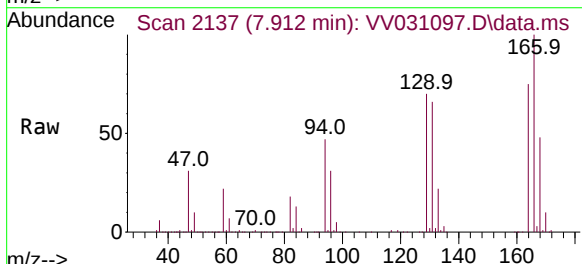
Instrument :
MSVOA_V
ClientSampleId :
VSTD050223

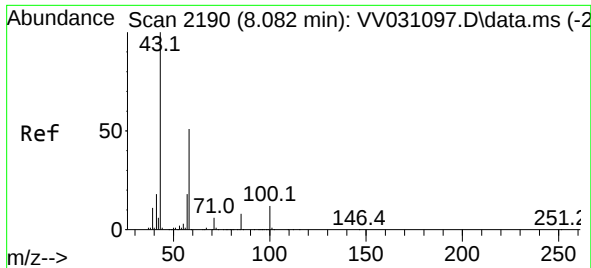
Tgt Ion:	97	Resp:	99861
Ion	Ratio	Lower	Upper
97	100		
99	61.7	43.2	80.2
83	86.4	60.5	112.3
85	52.6	36.8	68.4



#46
Tetrachloroethene
Concen: 40.296 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

Tgt Ion:	164	Resp:	73638
Ion	Ratio	Lower	Upper
164	100		
129	93.6	65.5	121.7
131	88.7	62.1	115.3
166	133.4	93.4	173.4



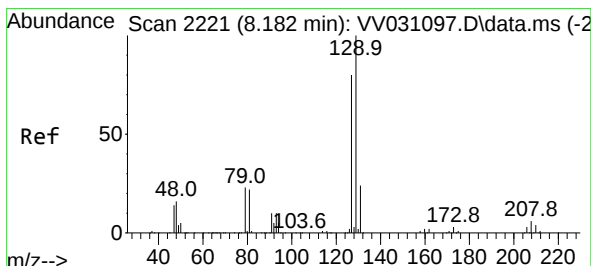
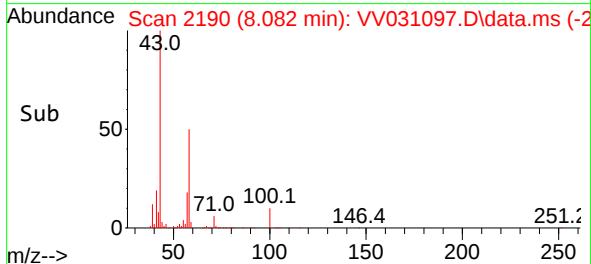
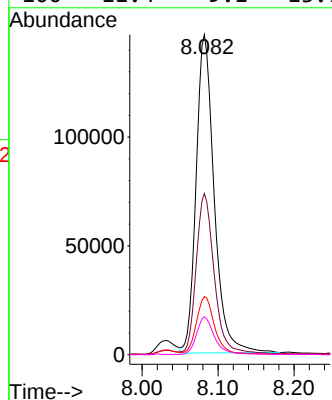
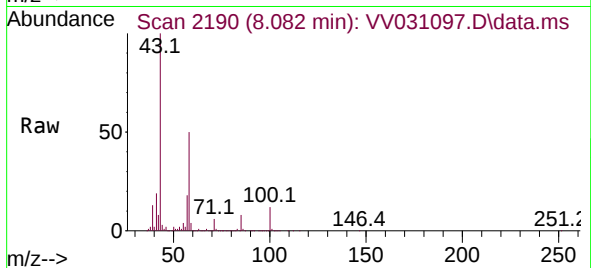


#48
2-Hexanone
Concen: 94.529 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD050223

Tgt Ion: 43 Resp: 241979

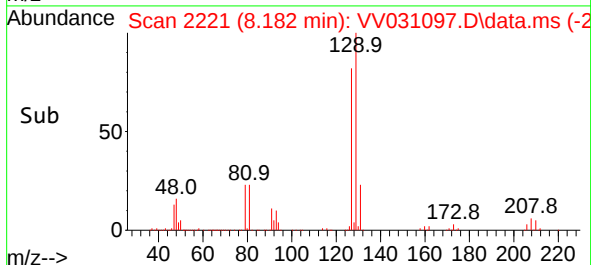
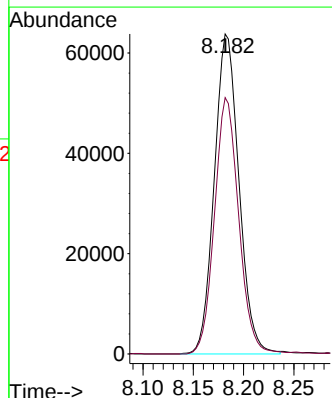
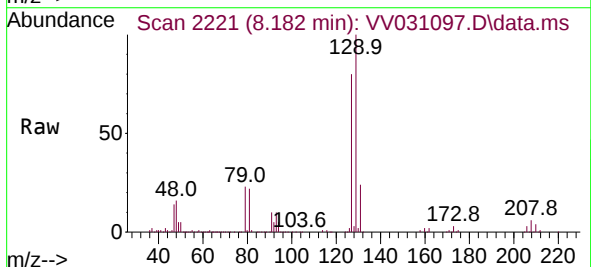
Ion	Ratio	Lower	Upper
43	100		
58	49.7	39.8	59.6
57	18.0	14.4	21.6
100	11.4	9.1	13.7

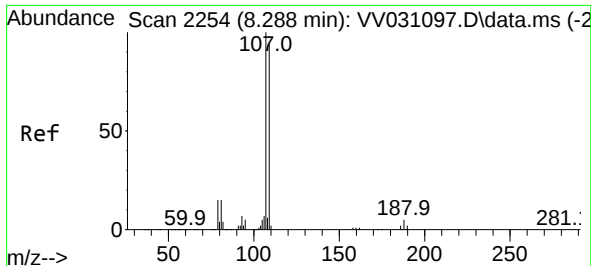


#49
Dibromochloromethane
Concen: 44.580 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

Tgt Ion: 129 Resp: 108928

Ion	Ratio	Lower	Upper
129	100		
127	80.1	56.1	104.1





#50

1,2-Dibromoethane

Concen: 42.998 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031097.D

Acq: 19 May 2023 10:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD050223

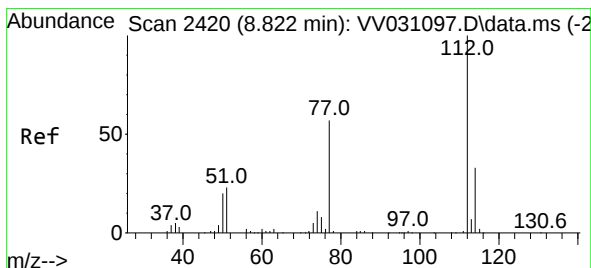
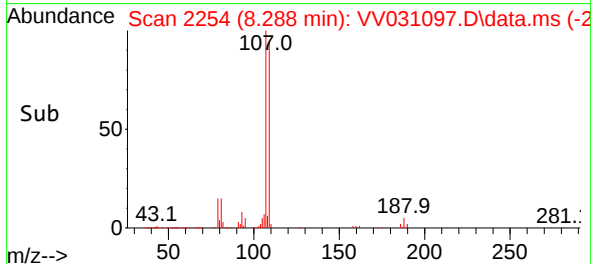
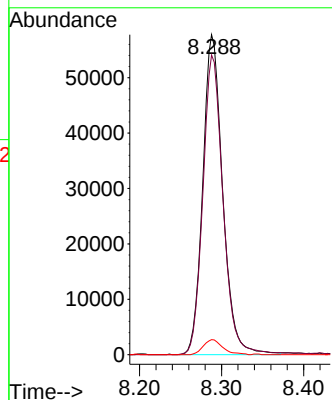
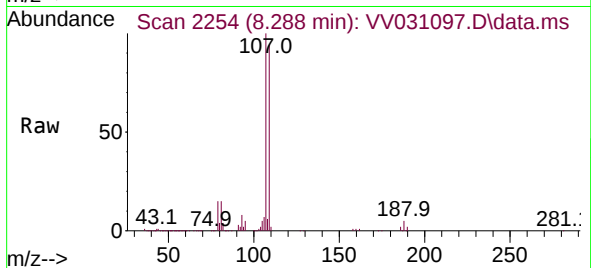
Tgt Ion:107 Resp: 97474

Ion Ratio Lower Upper

107 100

109 93.7 65.6 121.8

188 4.7 3.8 5.6



#51

Chlorobenzene

Concen: 43.328 ug/L

RT: 8.822 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV031097.D

Acq: 19 May 2023 10:17

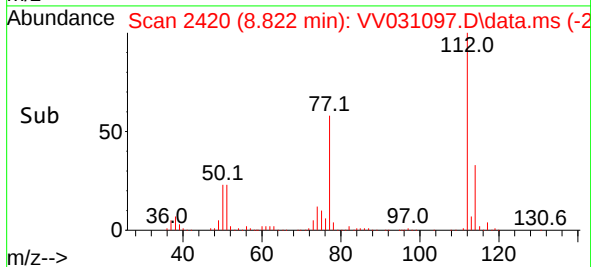
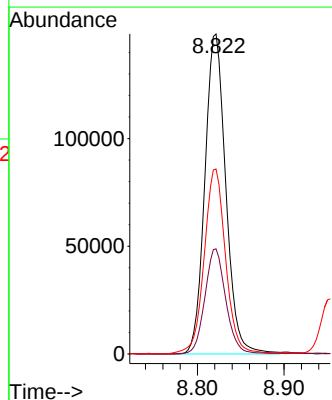
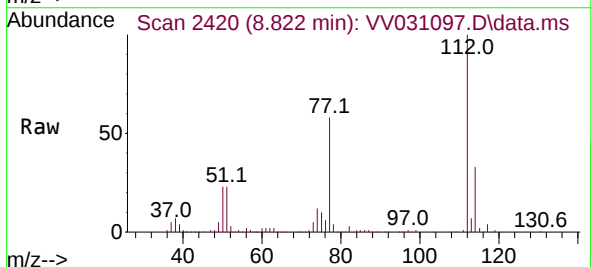
Tgt Ion:112 Resp: 250173

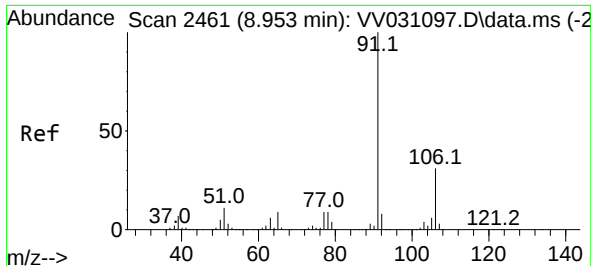
Ion Ratio Lower Upper

112 100

114 32.9 23.0 42.8

77 57.8 46.2 69.4





#52

Ethylbenzene

Concen: 43.301 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. 0.000 min

Lab File: VV031097.D

Acq: 19 May 2023 10:17

Instrument :

MSVOA_V

ClientSampleId :

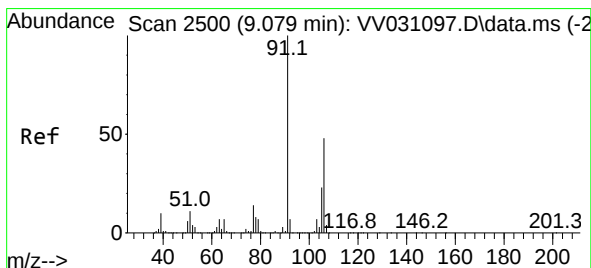
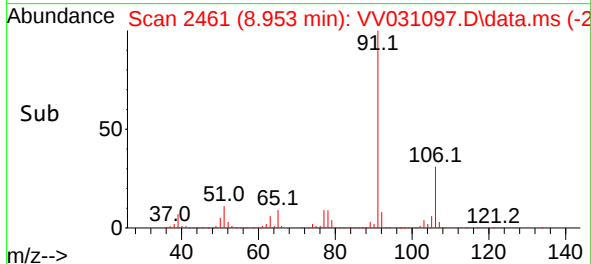
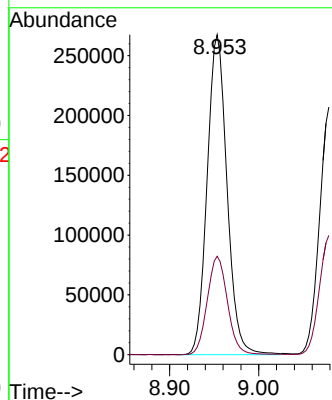
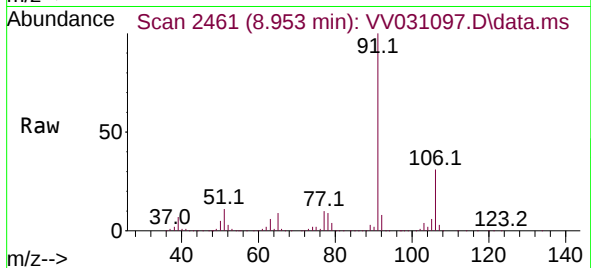
VSTD050223

Tgt Ion: 91 Resp: 413892

Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



#53

m,p-Xylene

Concen: 44.674 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.000 min

Lab File: VV031097.D

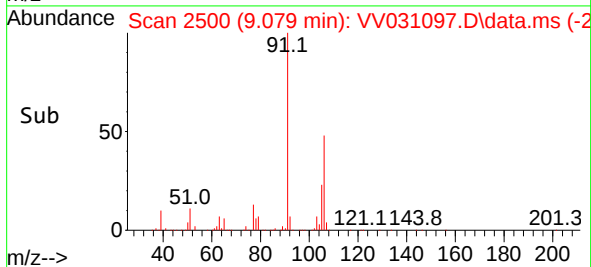
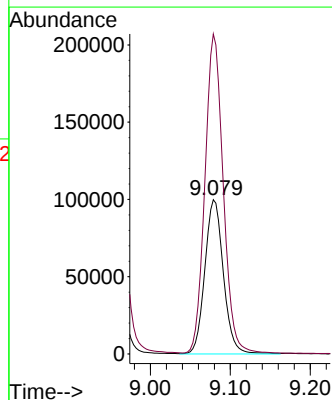
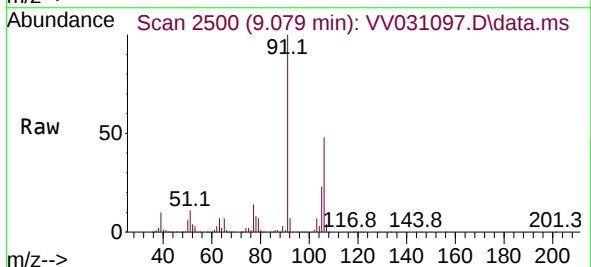
Acq: 19 May 2023 10:17

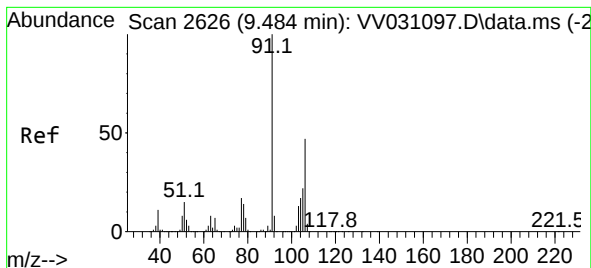
Tgt Ion: 106 Resp: 161591

Ion Ratio Lower Upper

106 100

91 207.5 145.3 269.8





#54

o-Xylene

Concen: 43.997 ug/L

RT: 9.484 min Scan# 2626

Delta R.T. 0.000 min

Lab File: VV031097.D

Acq: 19 May 2023 10:17

Instrument :

MSVOA_V

ClientSampleId :

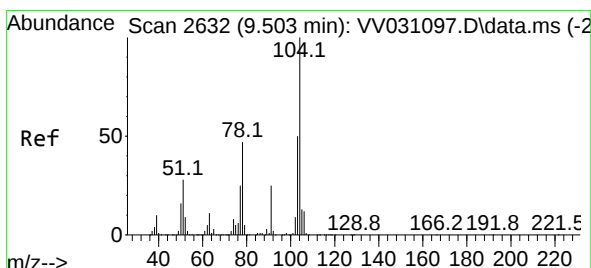
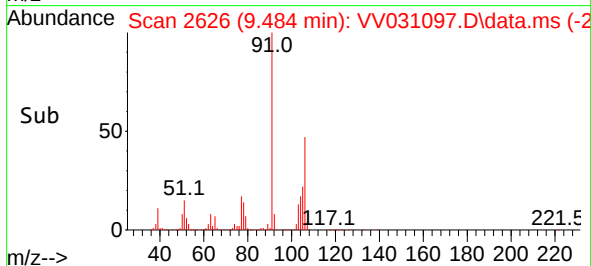
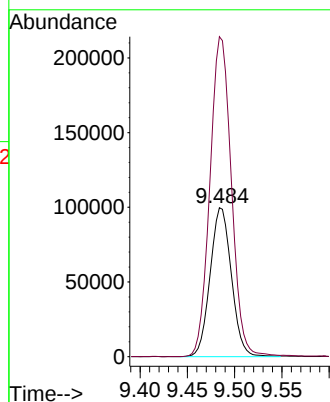
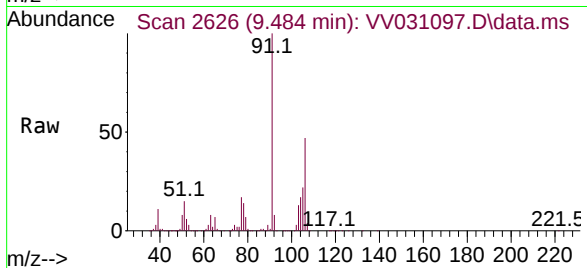
VSTD050223

Tgt Ion:106 Resp: 156385

Ion Ratio Lower Upper

106 100

91 214.8 150.4 279.2



#55

Styrene

Concen: 46.036 ug/L

RT: 9.503 min Scan# 2632

Delta R.T. 0.000 min

Lab File: VV031097.D

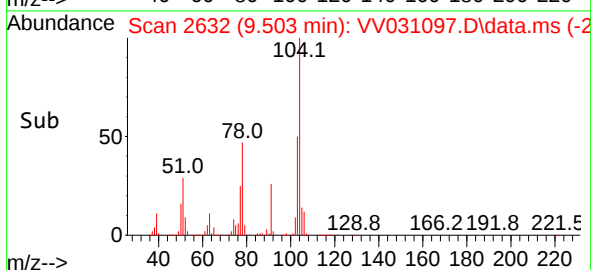
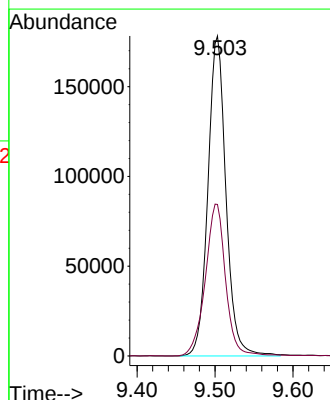
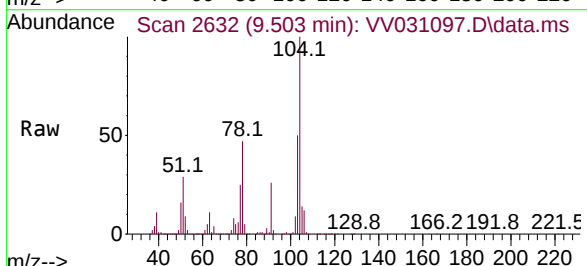
Acq: 19 May 2023 10:17

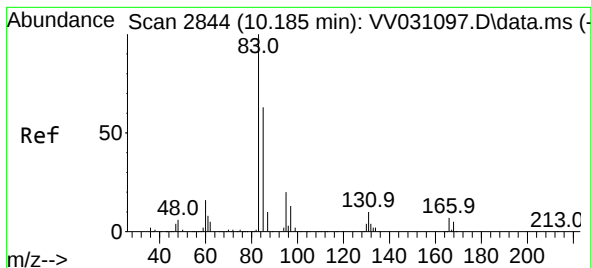
Tgt Ion:104 Resp: 286640

Ion Ratio Lower Upper

104 100

78 47.4 33.2 61.6





#57

1,1,2,2-Tetrachloroethane

Concen: 44.629 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. 0.000 min

Lab File: VV031097.D

Acq: 19 May 2023 10:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD050223

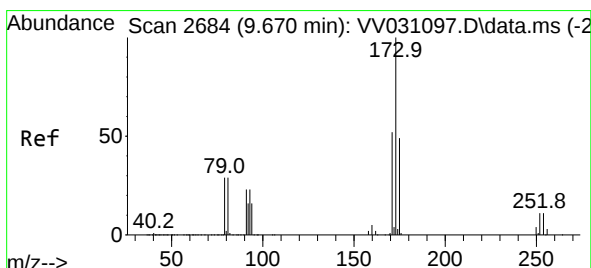
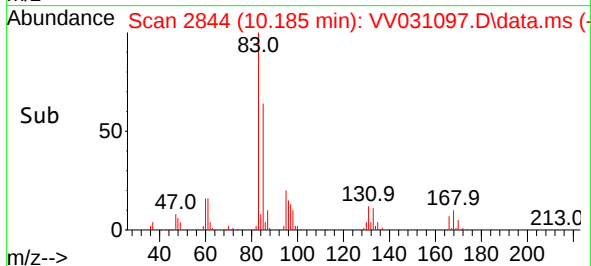
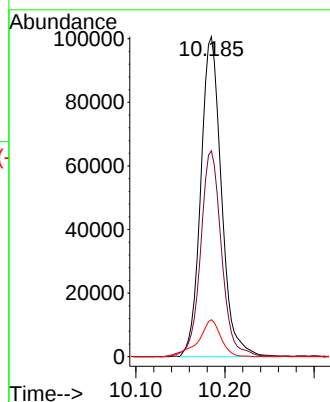
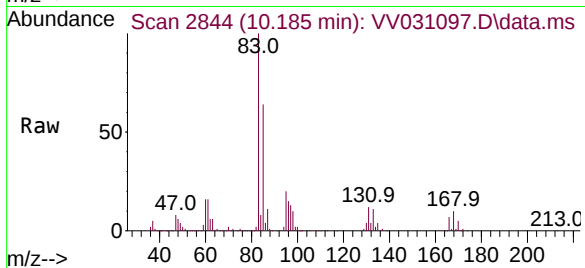
Tgt Ion: 83 Resp: 162122

Ion Ratio Lower Upper

83 100

85 64.3 45.0 83.6

131 11.5 9.2 13.8



#59

Bromoform

Concen: 44.320 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.000 min

Lab File: VV031097.D

Acq: 19 May 2023 10:17

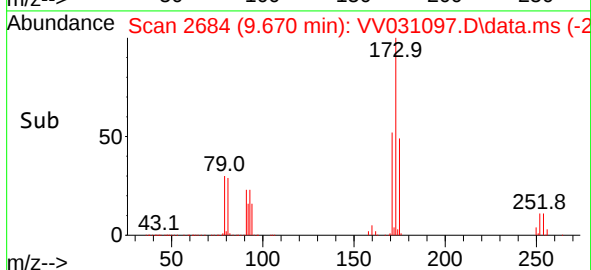
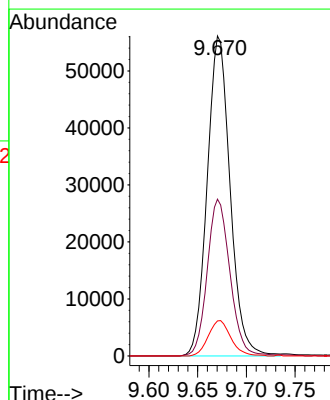
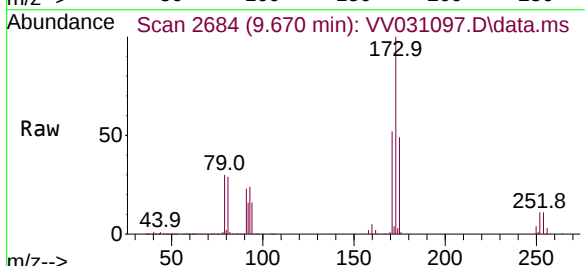
Tgt Ion: 173 Resp: 91632

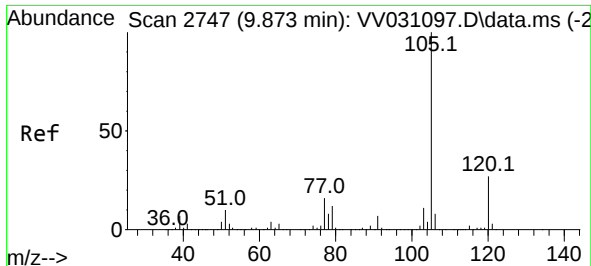
Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

254 11.0 8.8 13.2

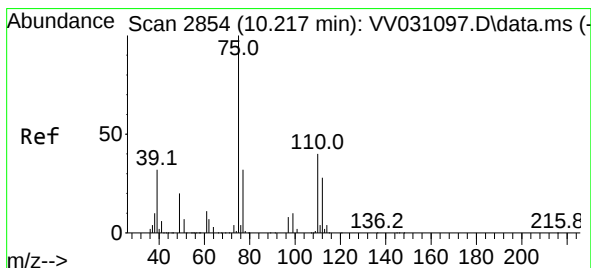
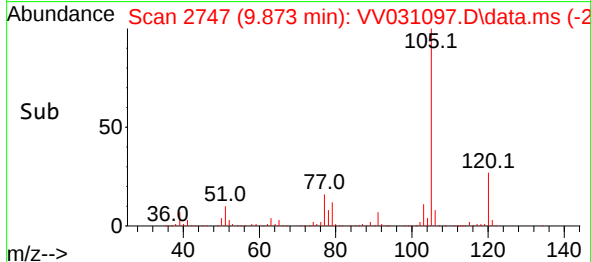
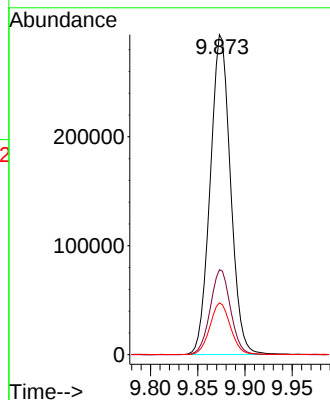
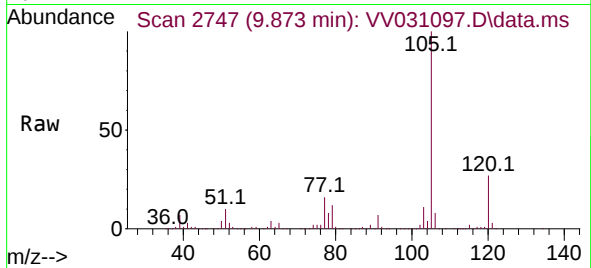




#60
Isopropylbenzene
Concen: 43.197 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

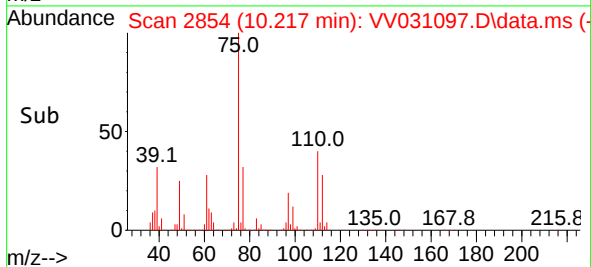
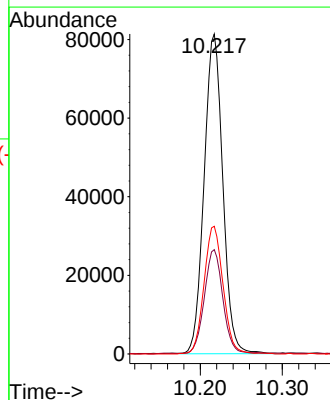
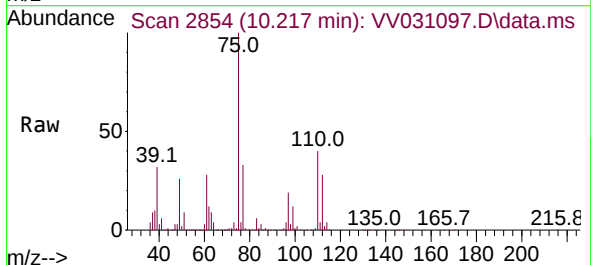
Instrument :
MSVOA_V
ClientSampleId :
VSTD050223

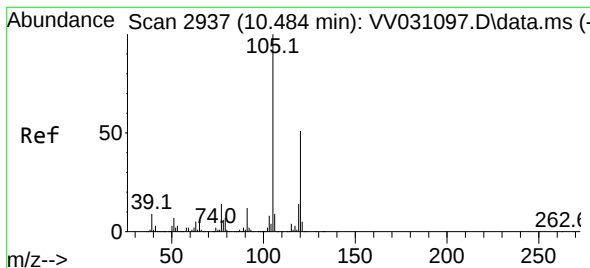
Tgt Ion:105 Resp: 438660
Ion Ratio Lower Upper
105 100
120 26.7 21.4 32.0
77 16.3 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 43.611 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

Tgt Ion: 75 Resp: 128616
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3
110 40.6 32.5 48.7

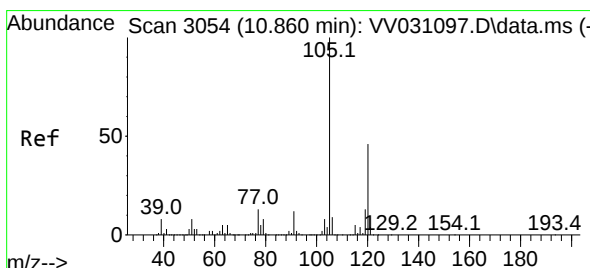
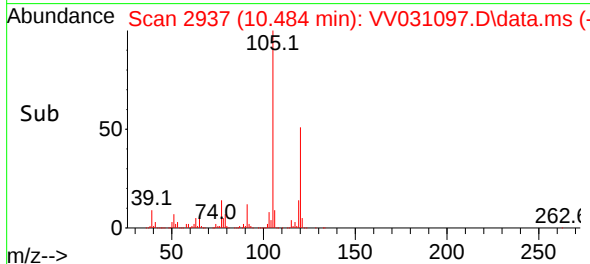
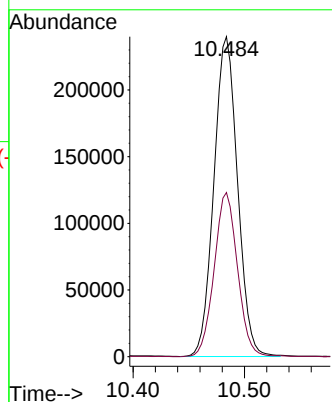
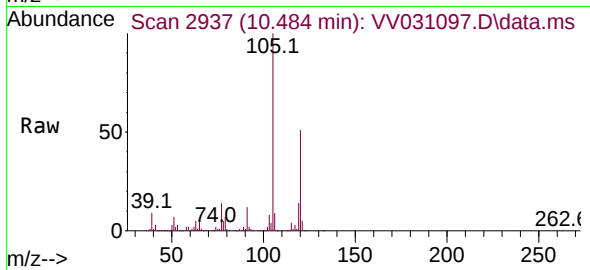




#62
 1,3,5-Trimethylbenzene
 Concen: 42.410 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV031097.D
 Acq: 19 May 2023 10:17

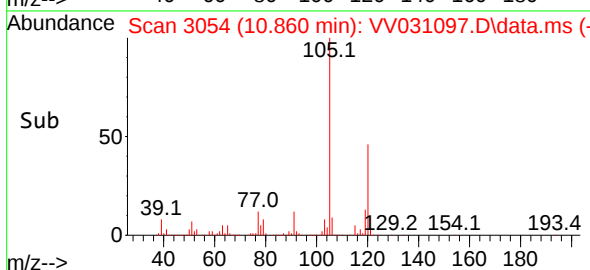
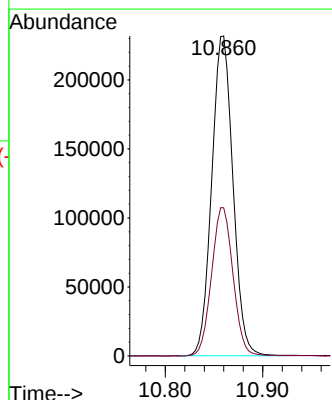
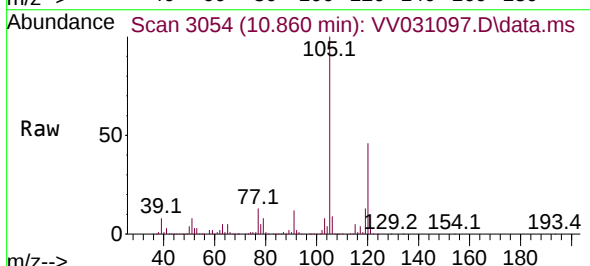
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050223

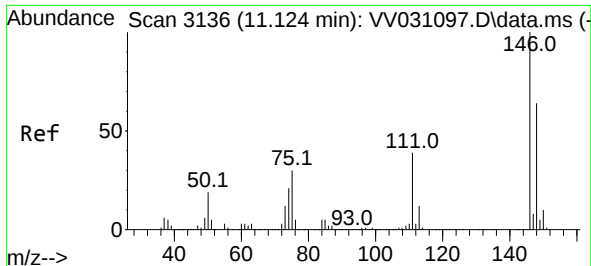
Tgt Ion:105 Resp: 353478
 Ion Ratio Lower Upper
 105 100
 120 50.6 40.5 60.7



#63
 1,2,4-Trimethylbenzene
 Concen: 42.291 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.000 min
 Lab File: VV031097.D
 Acq: 19 May 2023 10:17

Tgt Ion:105 Resp: 350699
 Ion Ratio Lower Upper
 105 100
 120 46.9 37.5 56.3

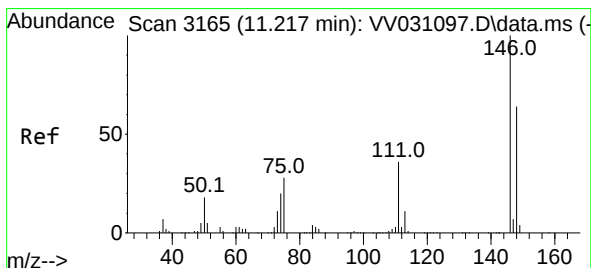
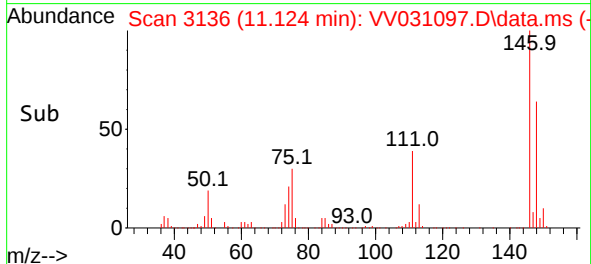
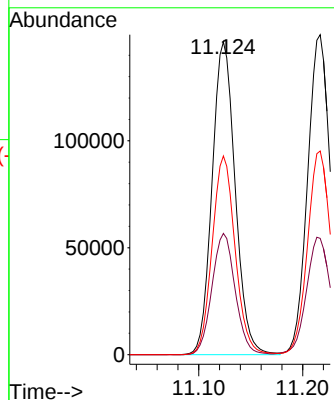
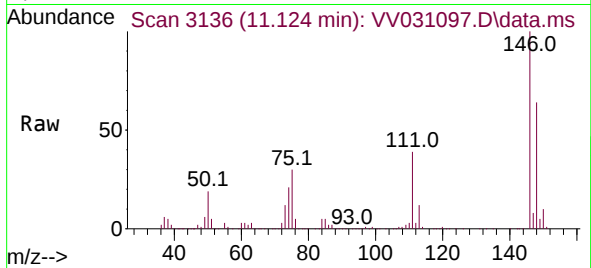




#64
1,3-Dichlorobenzene
Concen: 44.123 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

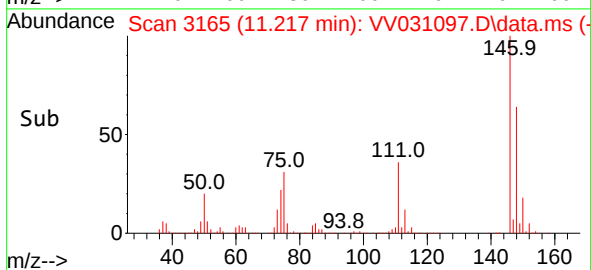
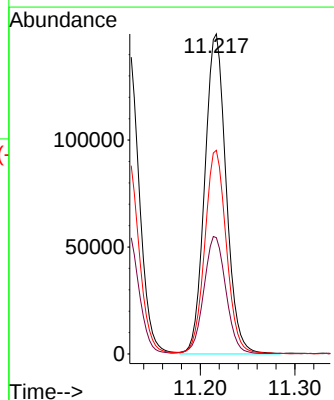
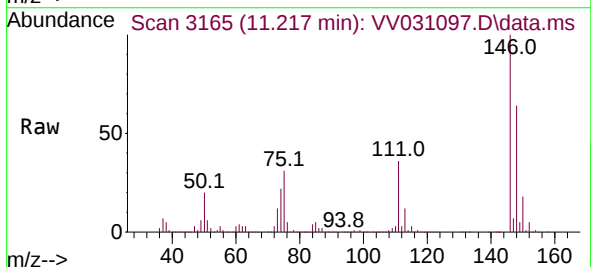
Instrument :
MSVOA_V
ClientSampleId :
VSTD050223

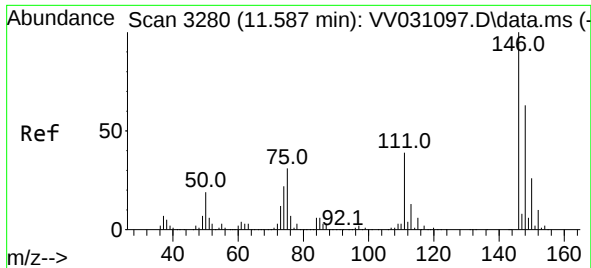
Tgt Ion:146 Resp: 225963
Ion Ratio Lower Upper
146 100
111 38.8 27.2 50.4
148 63.5 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 43.638 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

Tgt Ion:146 Resp: 235313
Ion Ratio Lower Upper
146 100
111 36.4 25.5 47.3
148 63.6 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 44.525 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031097.D

Acq: 19 May 2023 10:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD050223

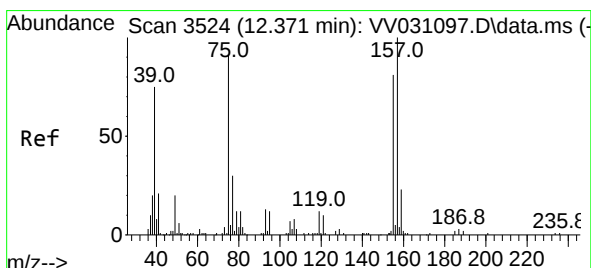
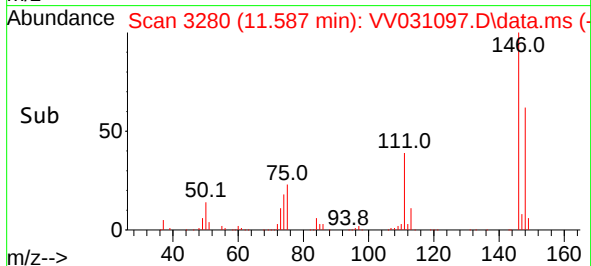
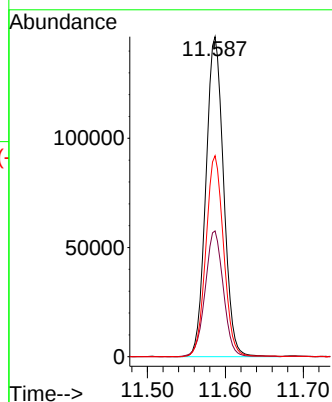
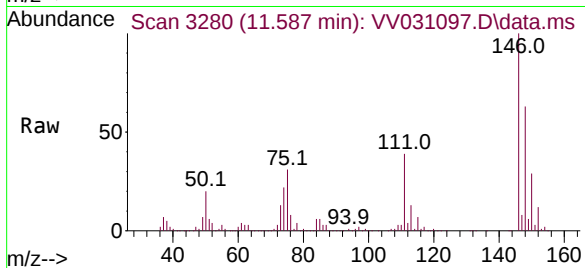
Tgt Ion:146 Resp: 230863

Ion Ratio Lower Upper

146 100

111 39.3 31.4 47.2

148 62.8 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 42.239 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV031097.D

Acq: 19 May 2023 10:17

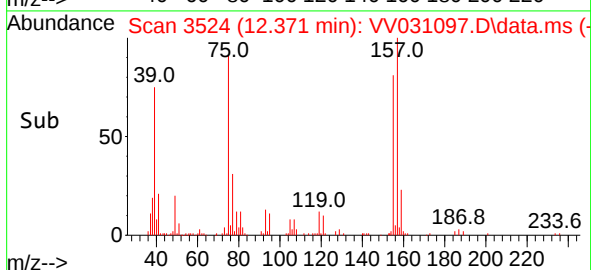
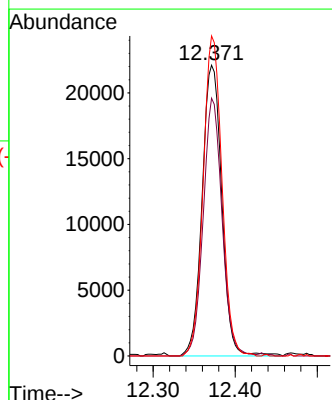
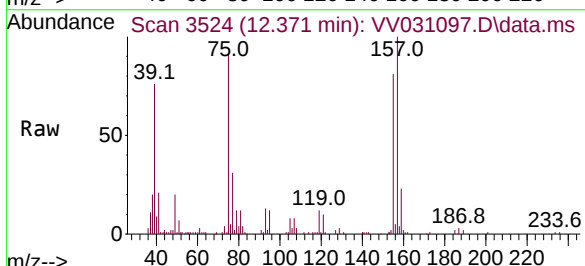
Tgt Ion: 75 Resp: 36796

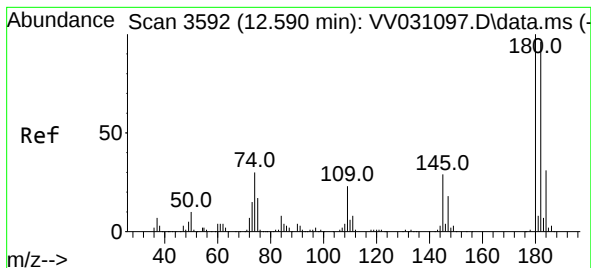
Ion Ratio Lower Upper

75 100

155 88.6 70.9 106.3

157 110.1 88.1 132.1





#69

1,3,5-Trichlorobenzene

Concen: 43.160 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV031097.D

Acq: 19 May 2023 10:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD050223

Tgt Ion:180 Resp: 166638

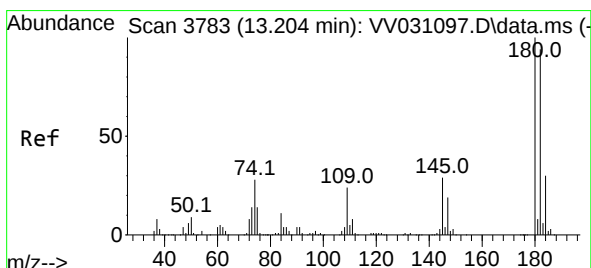
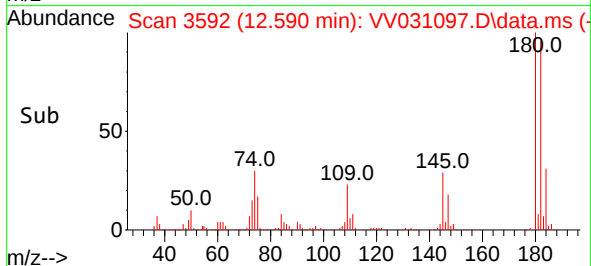
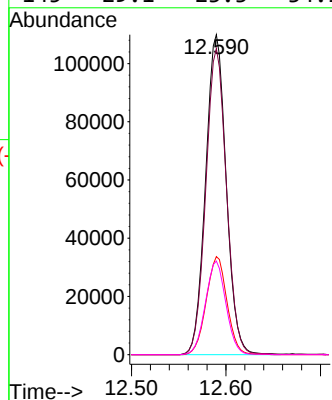
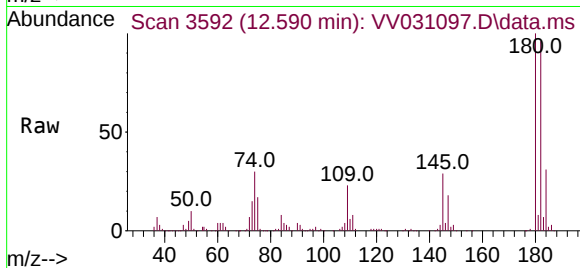
Ion Ratio Lower Upper

180 100

182 95.8 76.6 115.0

184 30.8 24.6 37.0

145 29.1 23.3 34.9



#70

1,2,4-trichlorobenzene

Concen: 45.008 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031097.D

Acq: 19 May 2023 10:17

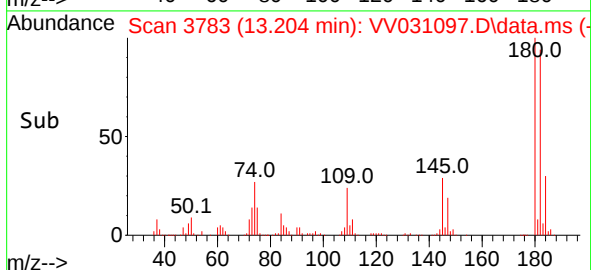
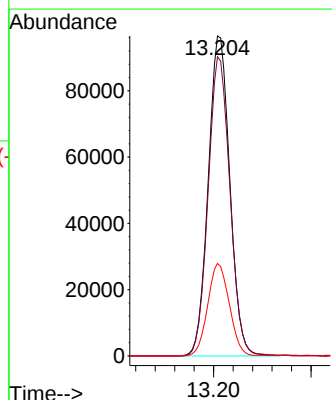
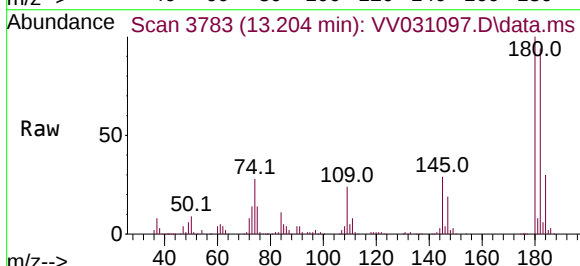
Tgt Ion:180 Resp: 148406

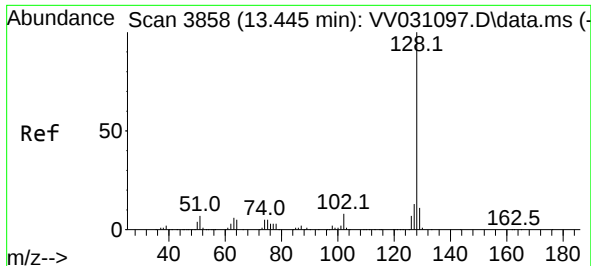
Ion Ratio Lower Upper

180 100

182 94.3 75.4 113.2

145 28.9 23.1 34.7

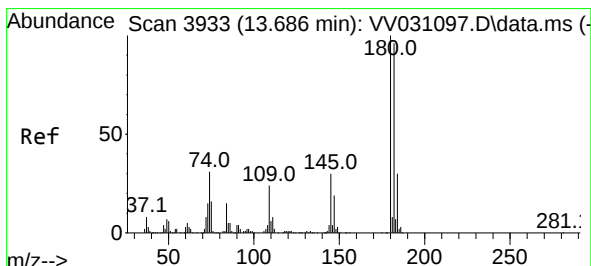
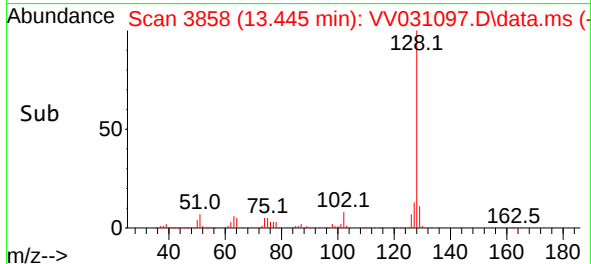
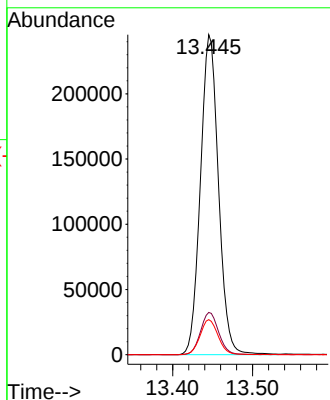
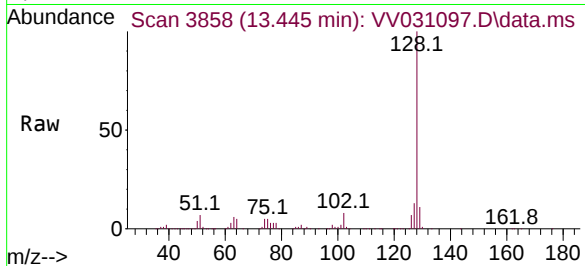




#71
Naphthalene
Concen: 43.265 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD050223

Tgt Ion:128 Resp: 385542
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.0 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 46.629 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. 0.000 min
Lab File: VV031097.D
Acq: 19 May 2023 10:17

Tgt Ion:180 Resp: 152429
Ion Ratio Lower Upper
180 100
182 94.2 75.4 113.0
145 30.3 24.2 36.4

