

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051923\
 Data File : VV031123.D
 Acq On : 19 May 2023 21:50
 Operator : SY/MD
 Sample : 02866-17MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GBX91MS

Quant Time: May 20 00:38:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 20 00:29:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	276083	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	266829	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	152124	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	95865	40.630	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.260%
7) Chloroethane-d5	1.532	69	94059	51.747	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.500%
11) 1,1-Dichloroethene-d2	2.063	65	46794	42.293	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.580%
21) 2-Butanone-d5	3.796	46	127539	101.444	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.440%
24) Chloroform-d	4.259	84	187875	45.010	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.020%
26) 1,2-Dichloroethane-d4	4.950	65	127004	45.028	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.060%
32) Benzene-d6	4.969	84	325642	45.018	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.040%
36) 1,2-Dichloropropane-d6	5.995	67	97877	45.223	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.440%
41) Toluene-d8	7.249	98	313611	46.453	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.900%
43) trans-1,3-Dichloroprop...	7.558	79	51109	47.067	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.140%
47) 2-Hexanone-d5	8.034	63	79763	94.521	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.520%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	147467	45.427	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.860%
66) 1,2-Dichlorobenzene-d4	11.567	152	129042	47.205	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	78223	43.887	ug/L	96
3) Chloromethane	1.217	50	92772	47.543	ug/L	100
5) Vinyl chloride	1.285	62	82133	47.125	ug/L	98
6) Bromomethane	1.490	94	48798	49.959	ug/L	97
8) Chloroethane	1.551	64	57401	51.110	ug/L	99
9) Trichlorofluoromethane	1.715	101	156948	45.783	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	80113	44.315	ug/L	96
12) 1,1-Dichloroethene	2.076	96	87658	57.159	ug/L	88
13) Acetone	2.124	43	109900	67.239	ug/L	99
14) Carbon disulfide	2.246	76	131166	46.934	ug/L	98
15) Methyl Acetate	2.378	43	87471	47.088	ug/L	99
16) Methylene chloride	2.455	84	79143	46.355	ug/L	99
17) trans-1,2-Dichloroethene	2.699	96	73862	52.092	ug/L	97
18) Methyl tert-butyl Ether	2.712	73	272002	49.659	ug/L	100
19) 1,1-Dichloroethane	3.121	63	151676	46.938	ug/L	100
20) cis-1,2-Dichloroethene	3.821	96	704370	402.972	ug/L	96
22) 2-Butanone	3.879	43	136213	86.904	ug/L	93
23) Bromochloromethane	4.156	128	46931	48.859	ug/L	98
25) Chloroform	4.284	83	176658	48.939	ug/L	93

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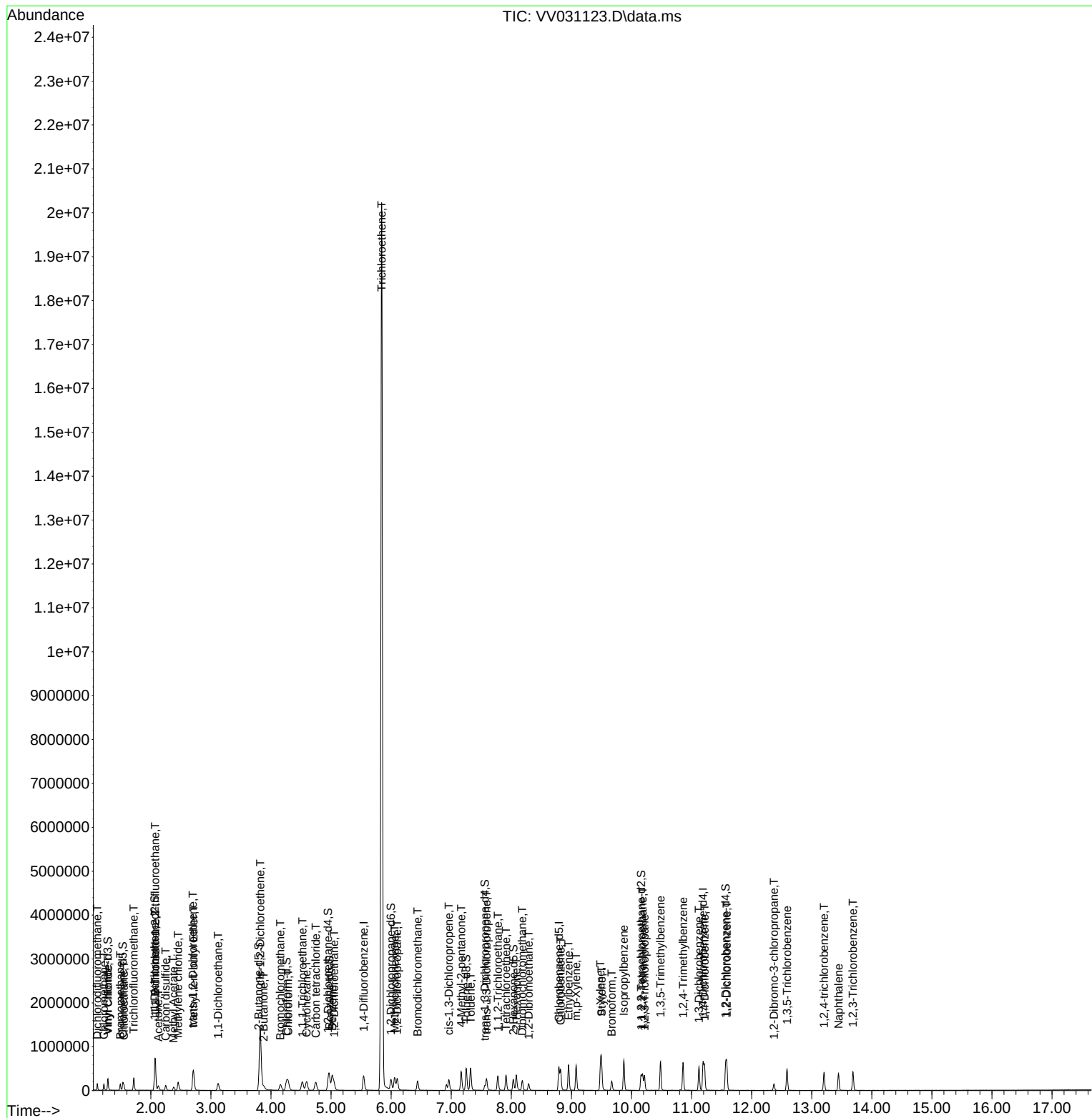
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	151453	49.450	ug/L	100
29) Cyclohexane	4.593	56	100609	47.916	ug/L	98
30) 1,1,1-Trichloroethane	4.522	97	159884	48.830	ug/L	98
31) Carbon tetrachloride	4.744	117	136926	48.002	ug/L	99
33) Benzene	5.018	78	321446	50.285	ug/L	100
34) Trichloroethene	5.841	95	6324371	3692.327	ug/L	96
35) Methylcyclohexane	6.059	83	108800	47.869	ug/L	99
37) 1,2-Dichloropropane	6.098	63	86204	48.995	ug/L	99
38) Bromodichloromethane	6.439	83	130575	47.875	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	128158	47.237	ug/L	100
40) 4-Methyl-2-pentanone	7.165	43	274444	101.367	ug/L	100
42) Toluene	7.323	91	349356	50.513	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	133589	48.673	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	93705	48.806	ug/L	98
46) Tetrachloroethene	7.911	164	71988	48.945	ug/L	99
48) 2-Hexanone	8.082	43	219084	97.154	ug/L	98
49) Dibromochloromethane	8.181	129	105622	48.759	ug/L	96
50) 1,2-Dibromoethane	8.288	107	91511	47.940	ug/L	97
51) Chlorobenzene	8.821	112	235709	47.883	ug/L	98
52) Ethylbenzene	8.953	91	386620	48.825	ug/L	99
53) m,p-Xylene	9.079	106	147591	48.049	ug/L	98
54) o-Xylene	9.484	106	148660	49.060	ug/L	100
55) Styrene	9.503	104	266775	49.779	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	156945	49.751	ug/L	97
59) Bromoform	9.670	173	86679	49.140	ug/L	99
60) Isopropylbenzene	9.873	105	405575	49.850	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	120893	51.658	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	324702	48.553	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	325244	49.740	ug/L	98
64) 1,3-Dichlorobenzene	11.123	146	201761	48.399	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	208947	48.179	ug/L	98
67) 1,2-Dichlorobenzene	11.586	146	211076	49.901	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	34641	48.220	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	146539	45.473	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	119361	43.523	ug/L	99
71) Naphthalene	13.445	128	294396	41.326	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	124617	45.471	ug/L	100

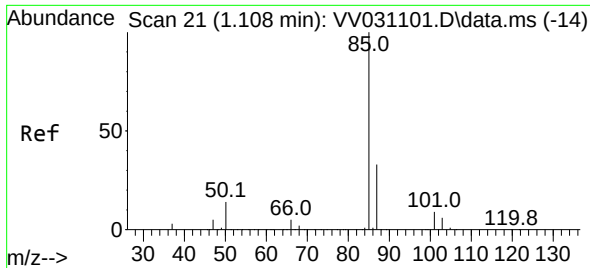
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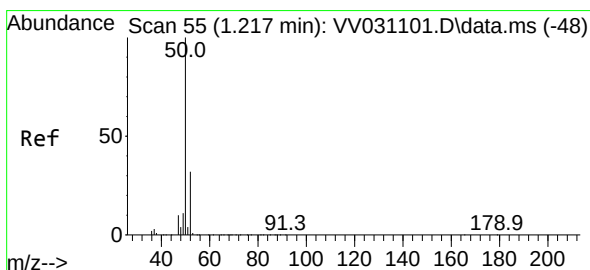
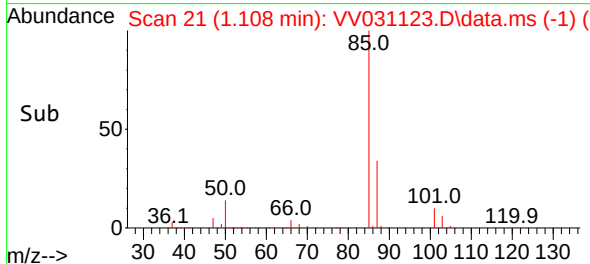
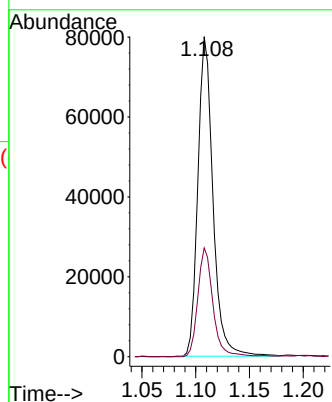
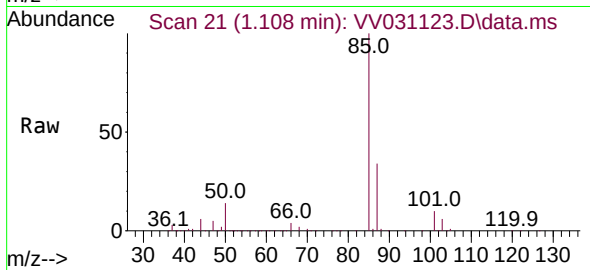




#2
 Dichlorodifluoromethane
 Concen: 43.887 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031123.D
 Acq: 19 May 2023 21:50

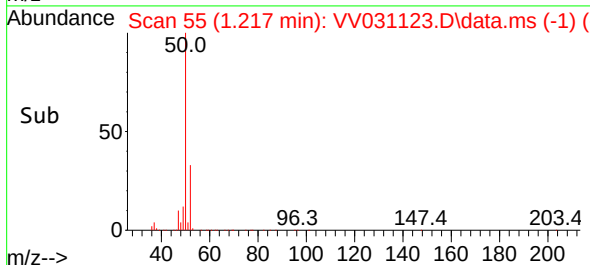
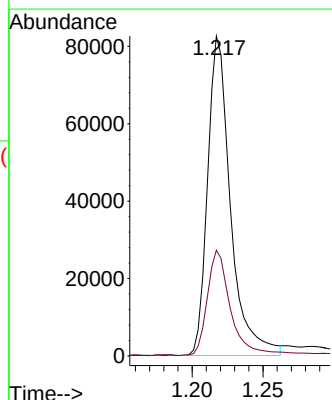
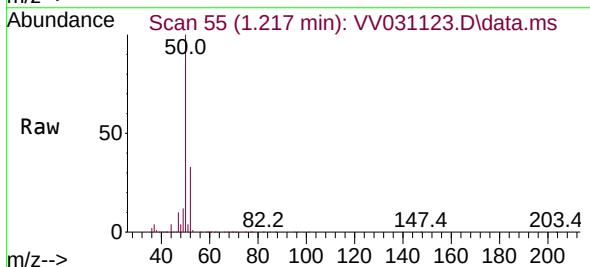
Instrument :
 MSVOA_V
 ClientSampleId :
 GBX91MS

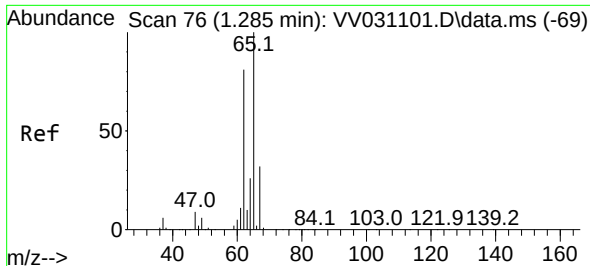
Tgt Ion: 85 Resp: 78223
 Ion Ratio Lower Upper
 85 100
 87 33.9 25.2 37.8



#3
 Chloromethane
 Concen: 47.543 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031123.D
 Acq: 19 May 2023 21:50

Tgt Ion: 50 Resp: 92772
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.3 43.3

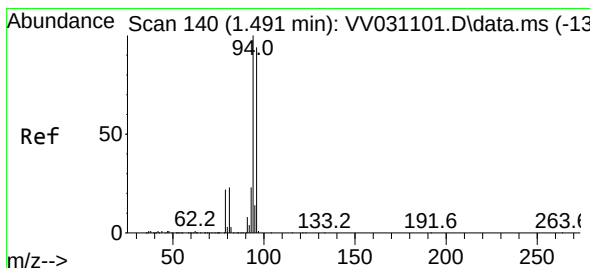
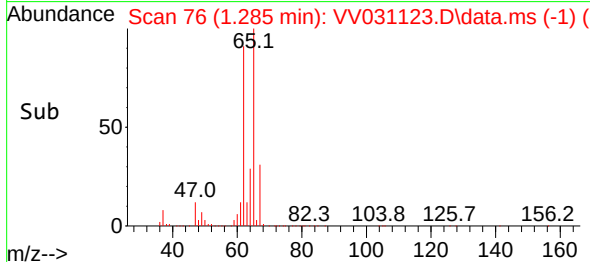
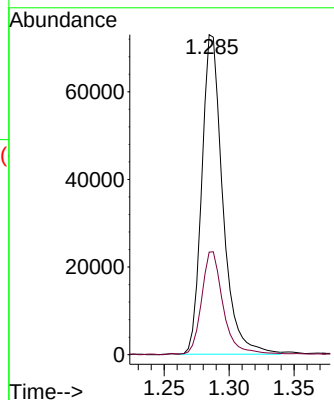
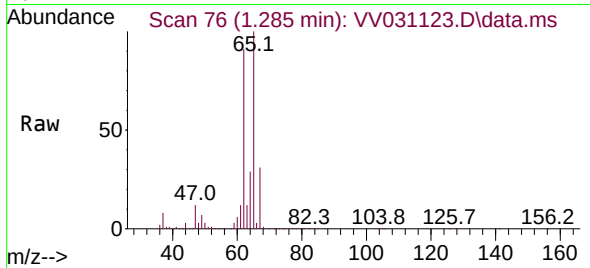




#5
 Vinyl chloride
 Concen: 47.125 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV031123.D
 Acq: 19 May 2023 21:50

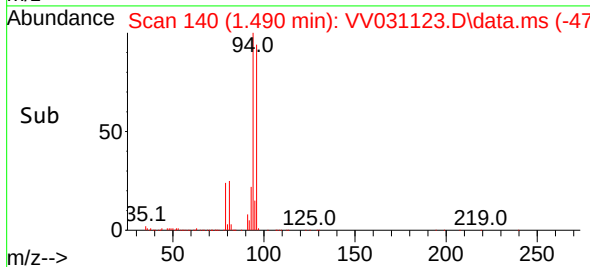
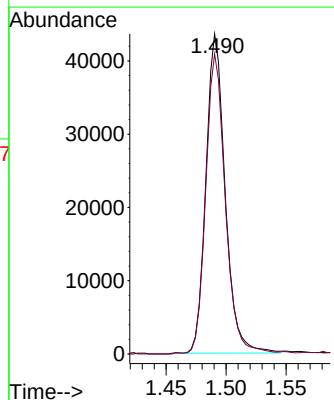
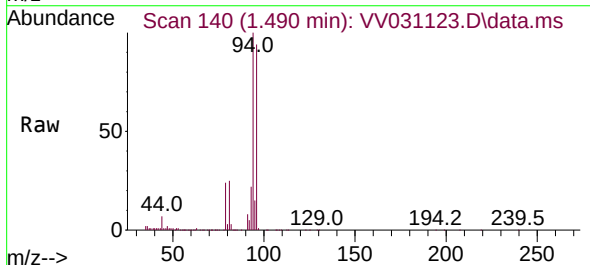
Instrument :
 MSVOA_V
 ClientSampleId :
 GBX91MS

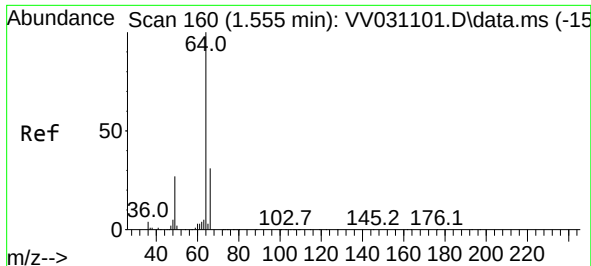
Tgt Ion: 62 Resp: 82133
 Ion Ratio Lower Upper
 62 100
 64 32.0 23.1 42.9



#6
 Bromomethane
 Concen: 49.959 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV031123.D
 Acq: 19 May 2023 21:50

Tgt Ion: 94 Resp: 48798
 Ion Ratio Lower Upper
 94 100
 96 93.8 63.9 118.7

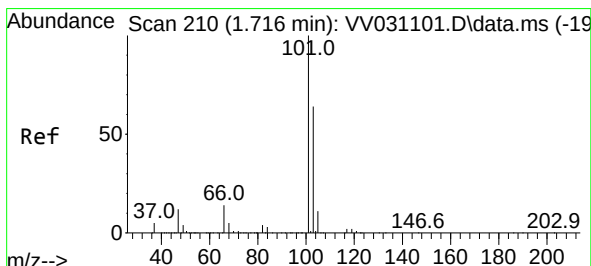
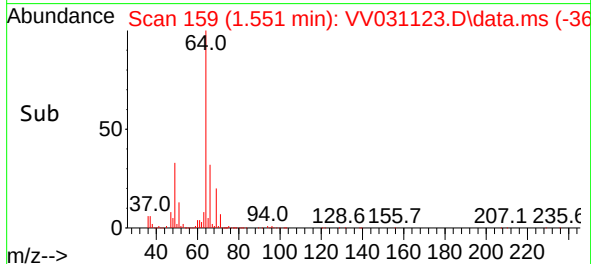
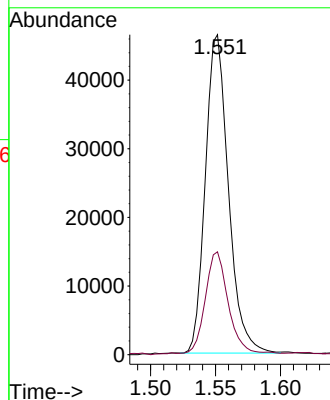
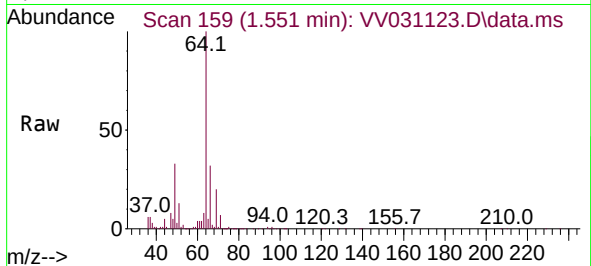




#8
Chloroethane
Concen: 51.110 ug/L
RT: 1.551 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

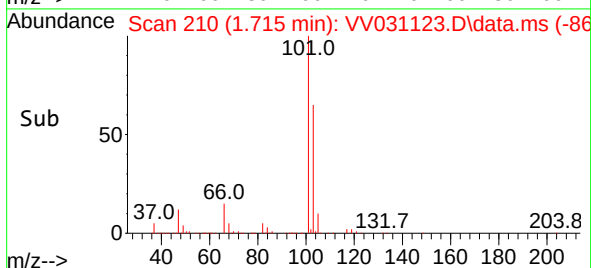
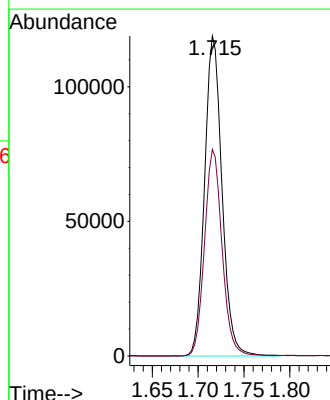
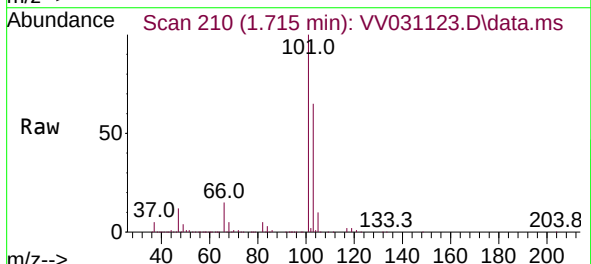
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MSVOA_V
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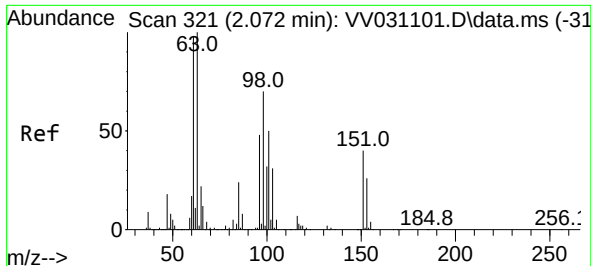
Tgt Ion: 64 Resp: 57401
Ion Ratio Lower Upper
64 100
66 32.1 22.1 41.1



#9
Trichlorofluoromethane
Concen: 45.783 ug/L
RT: 1.715 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

Tgt Ion: 101 Resp: 156948
Ion Ratio Lower Upper
101 100
103 65.0 51.4 77.2





#10

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

Concen: 44.315 ug/L

RT: 2.072 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

Instrument :

MSVOA_V

ClientSampleId :

GBX91MS

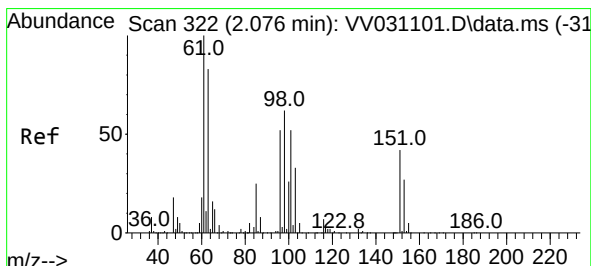
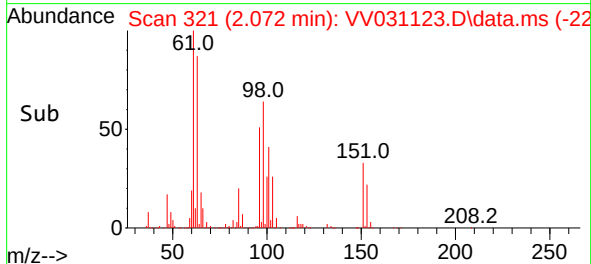
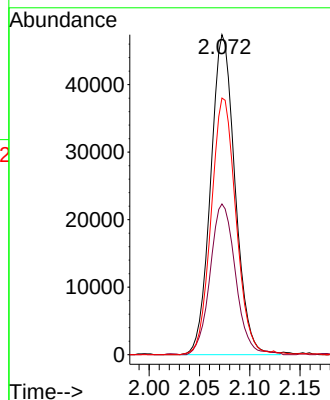
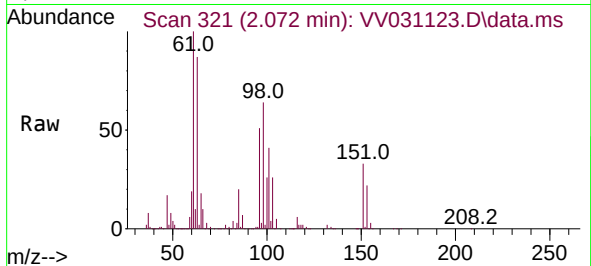
Tgt Ion:101 Resp: 80113

Ion Ratio Lower Upper

101 100

85 48.5 38.0 57.0

151 81.4 61.7 92.5



#12

1,1-Dichloroethene

Concen: 57.159 ug/L

RT: 2.076 min Scan# 322

Delta R.T. -0.000 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

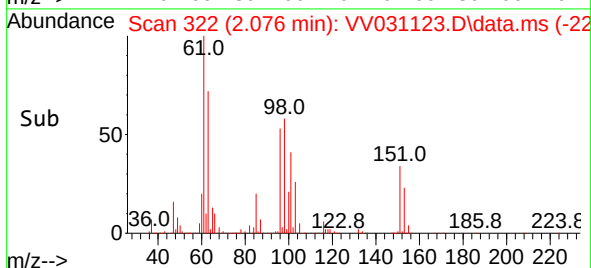
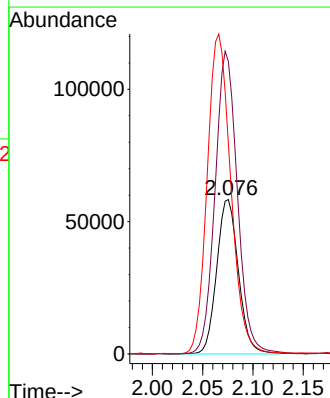
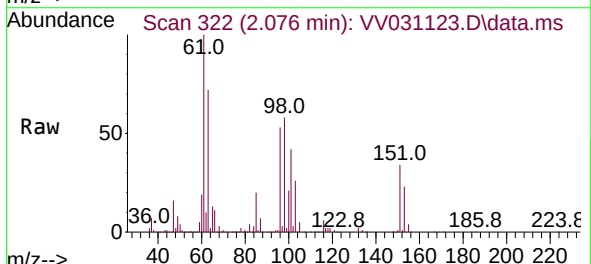
Tgt Ion: 96 Resp: 87658

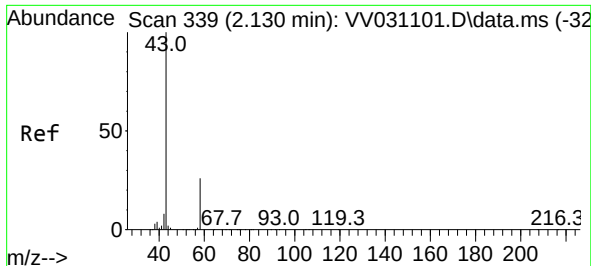
Ion Ratio Lower Upper

96 100

61 189.5 137.9 256.1

63 136.4 114.2 212.0





#13

Acetone

Concen: 67.239 ug/L

RT: 2.124 min Scan# 31

Delta R.T. -0.007 min

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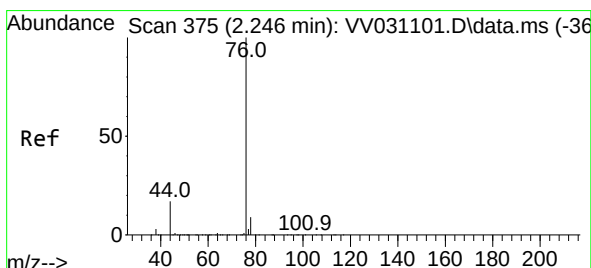
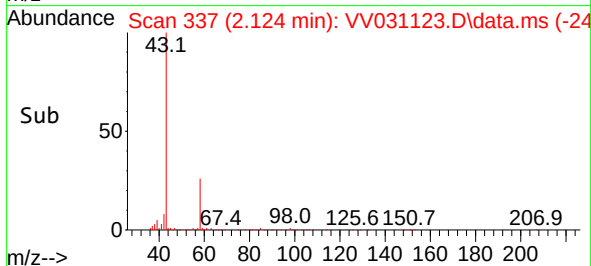
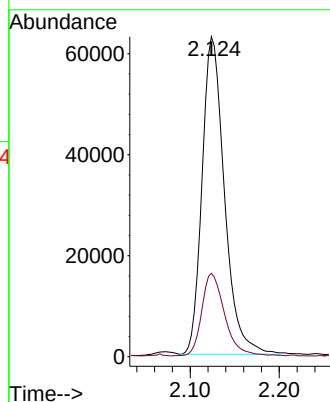
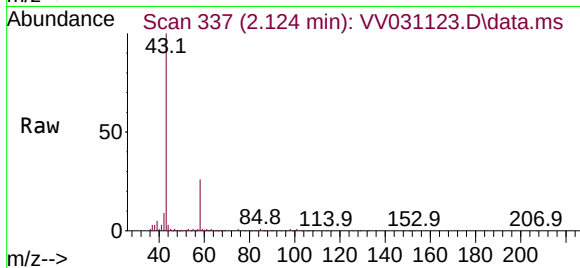
GBX91MS

Tgt Ion: 43 Resp: 109900

Ion Ratio Lower Upper

43 100

58 26.3 0.0 54.0



#14

Carbon disulfide

Concen: 46.934 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

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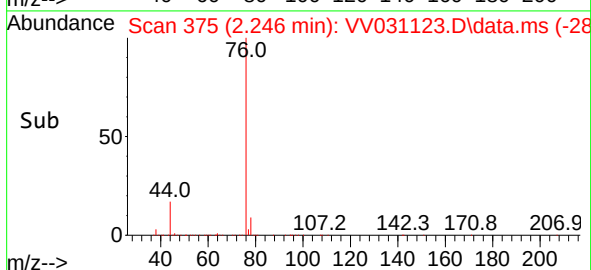
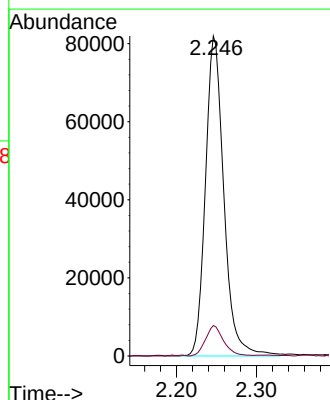
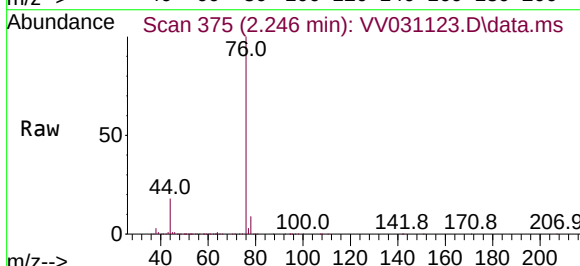
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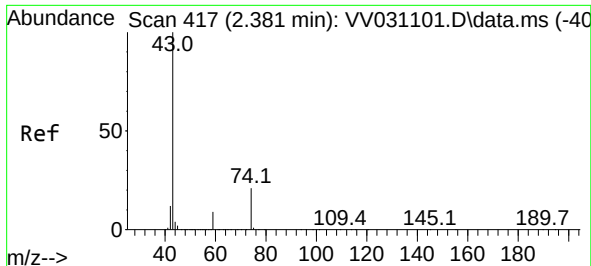
Tgt Ion: 76 Resp: 131166

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.4

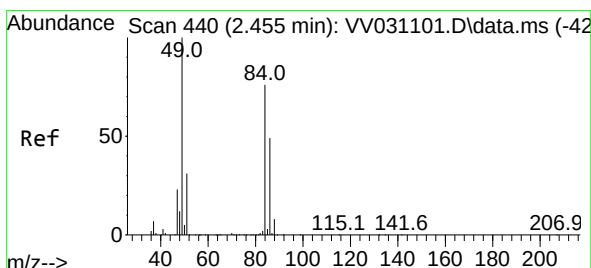
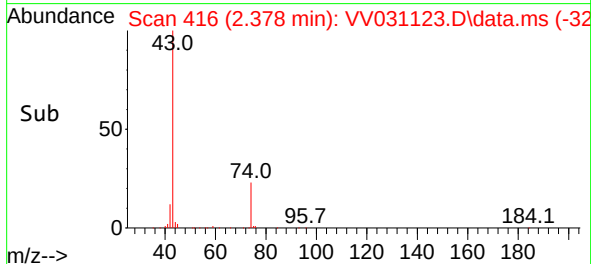
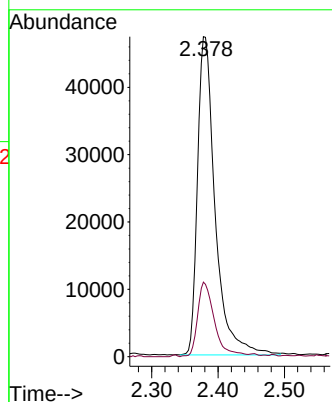
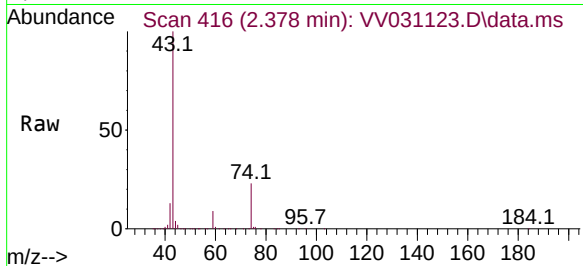




#15
Methyl Acetate
Concen: 47.088 ug/L
RT: 2.378 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

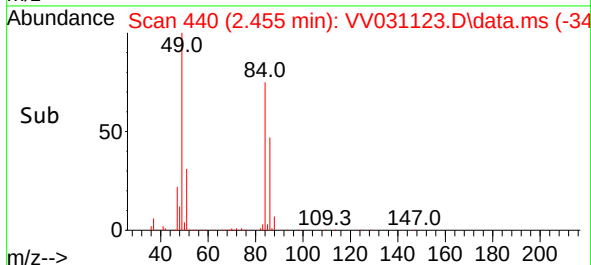
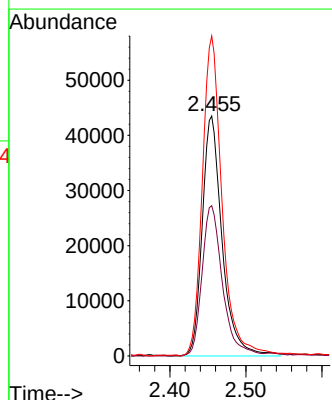
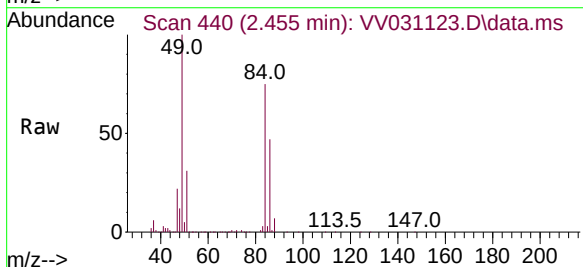
Instrument :
MSVOA_V
ClientSampleId :
GBX91MS

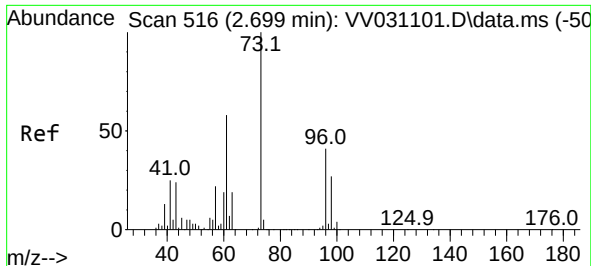
Tgt Ion: 43 Resp: 87471
Ion Ratio Lower Upper
43 100
74 22.0 18.1 27.1



#16
Methylene chloride
Concen: 46.355 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

Tgt Ion: 84 Resp: 79143
Ion Ratio Lower Upper
84 100
86 62.6 43.3 80.3
49 133.4 92.6 172.0

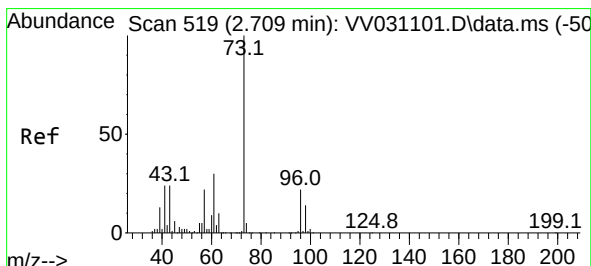
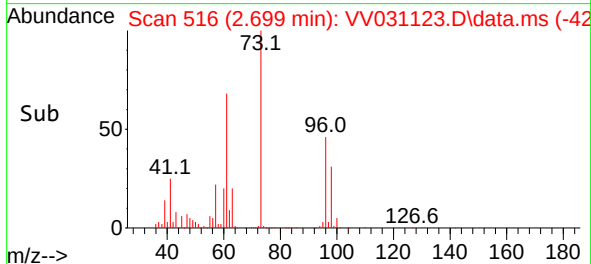
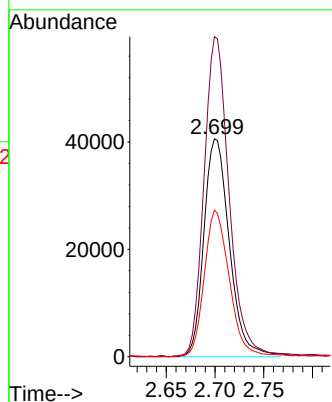
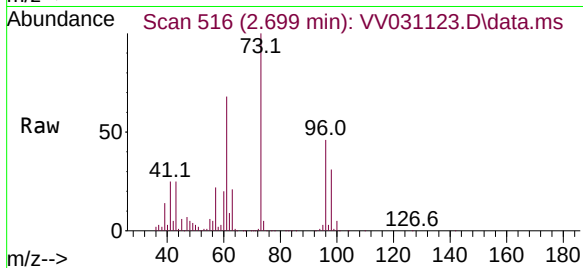




#17
trans-1,2-Dichloroethene
Concen: 52.092 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

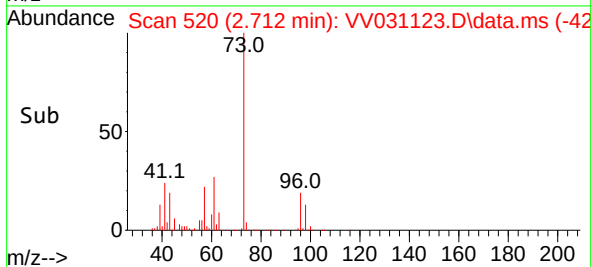
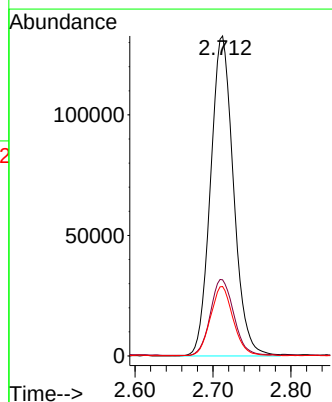
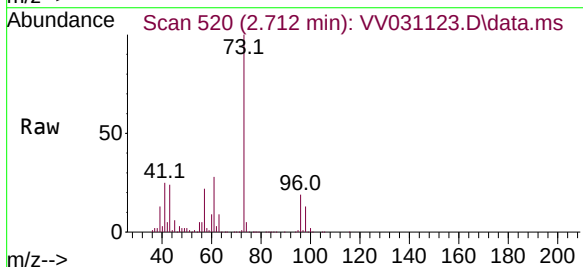
Instrument :
MSVOA_V
ClientSampleId :
GBX91MS

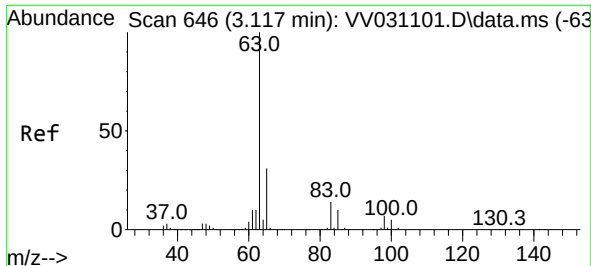
Tgt Ion: 96 Resp: 73862
Ion Ratio Lower Upper
96 100
61 146.9 100.0 185.6
98 67.3 45.4 84.2



#18
Methyl tert-butyl Ether
Concen: 49.659 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.003 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

Tgt Ion: 73 Resp: 272002
Ion Ratio Lower Upper
73 100
43 24.1 19.4 29.2
57 21.4 17.1 25.7





#19

1,1-Dichloroethane

Concen: 46.938 ug/L

RT: 3.121 min Scan# 646

Delta R.T. 0.003 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

Instrument :

MSVOA_V

ClientSampleId :

GBX91MS

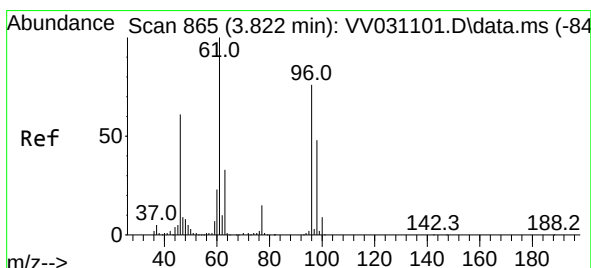
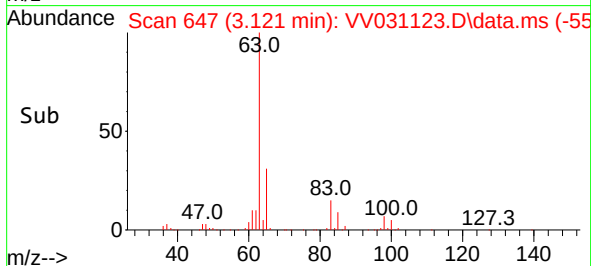
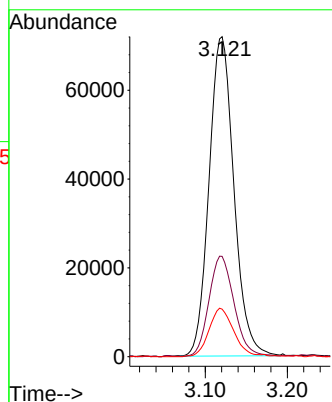
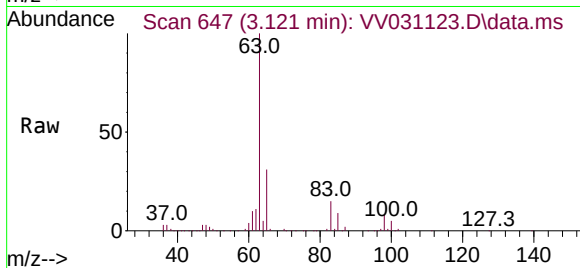
Tgt Ion: 63 Resp: 151676

Ion Ratio Lower Upper

63 100

65 31.4 21.9 40.7

83 14.8 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 402.972 ug/L

RT: 3.821 min Scan# 865

Delta R.T. -0.000 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

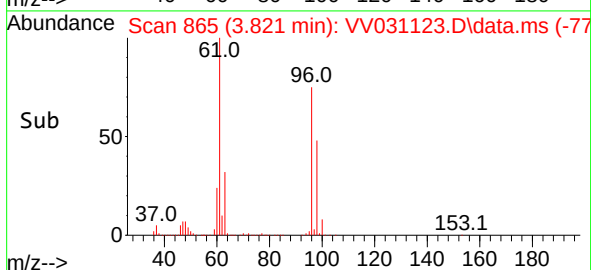
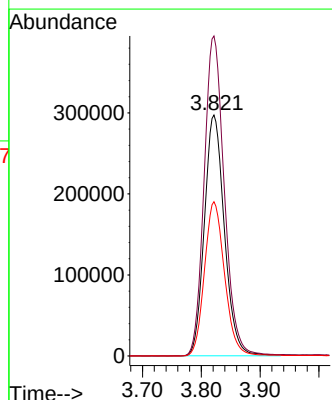
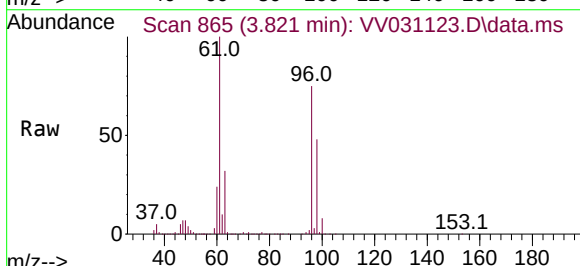
Tgt Ion: 96 Resp: 704370

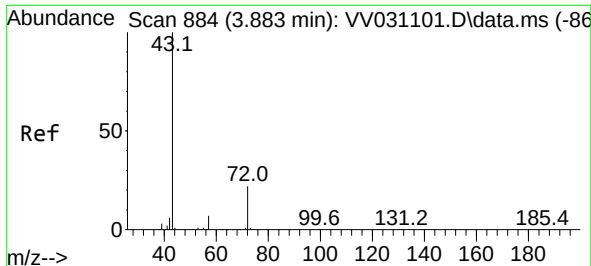
Ion Ratio Lower Upper

96 100

61 132.8 89.2 165.6

98 64.0 43.0 80.0

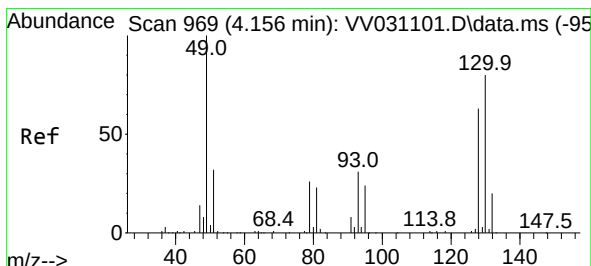
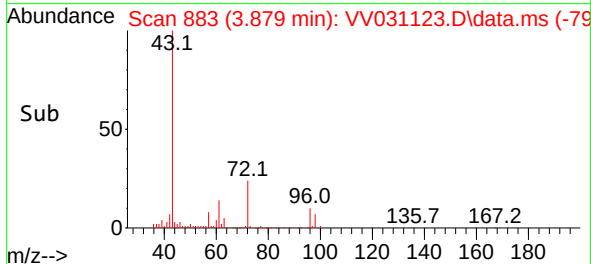
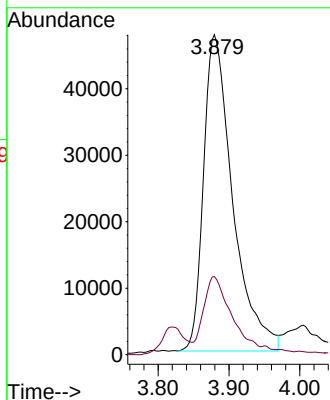
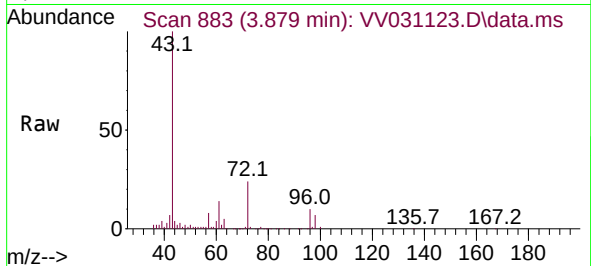




#22
2-Butanone
Concen: 86.904 ug/L
RT: 3.879 min Scan# 884
Delta R.T. -0.003 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

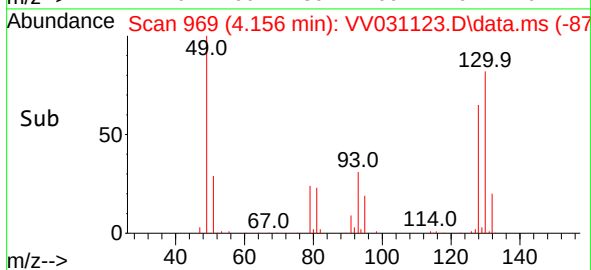
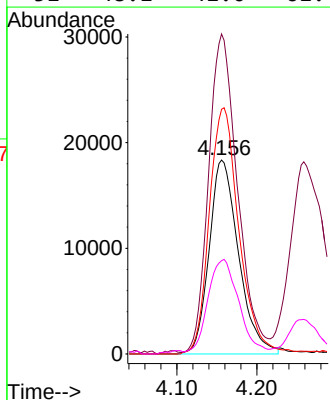
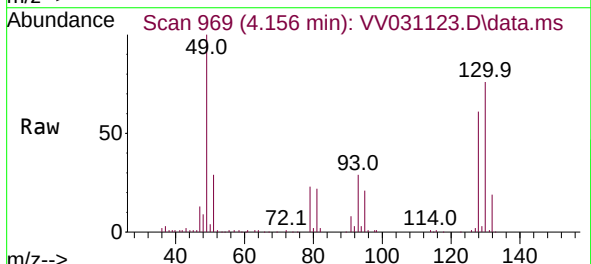
Instrument :
MSVOA_V
ClientSampleId :
GBX91MS

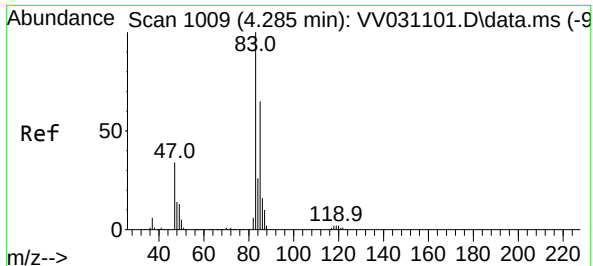
Tgt Ion: 43 Resp: 136213
Ion Ratio Lower Upper
43 100
72 20.4 11.9 35.7



#23
Bromochloromethane
Concen: 48.859 ug/L
RT: 4.156 min Scan# 969
Delta R.T. -0.000 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

Tgt Ion: 128 Resp: 46931
Ion Ratio Lower Upper
128 100
49 165.1 113.2 210.2
130 126.2 87.5 162.5
51 48.1 41.0 61.4

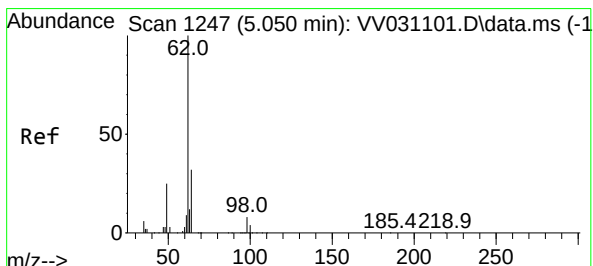
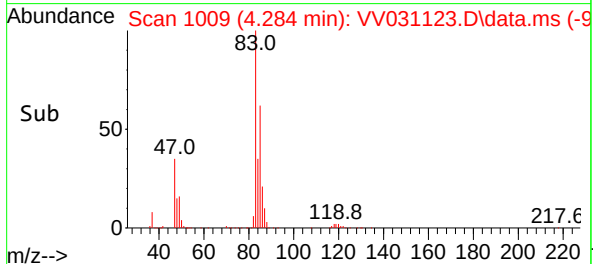
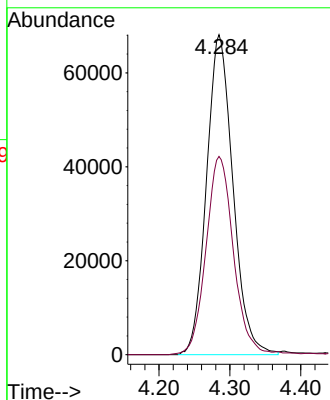
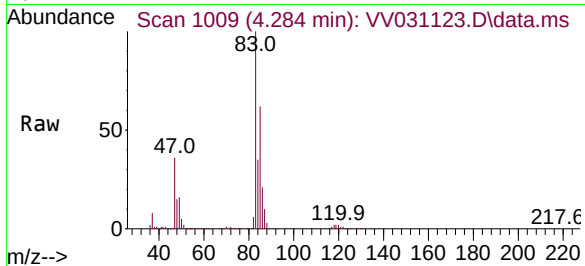




#25
Chloroform
Concen: 48.939 ug/L
RT: 4.284 min Scan# 1009
Delta R.T. -0.000 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

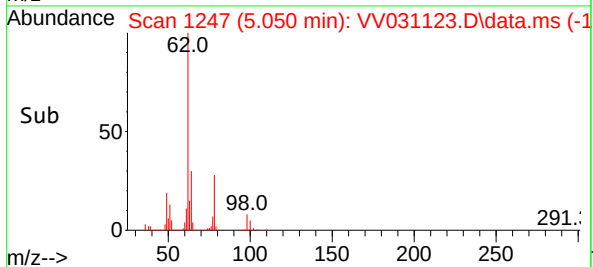
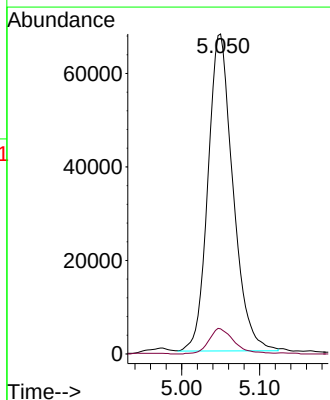
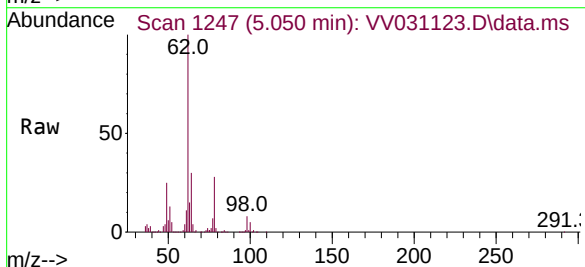
Instrument :
MSVOA_V
ClientSampleId :
GBX91MS

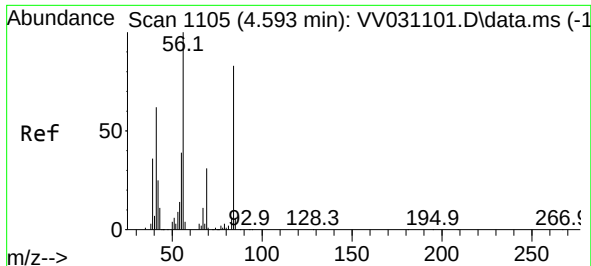
Tgt Ion: 83 Resp: 176658
Ion Ratio Lower Upper
83 100
85 61.9 47.3 87.9



#27
1,2-Dichloroethane
Concen: 49.450 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. -0.000 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

Tgt Ion: 62 Resp: 151453
Ion Ratio Lower Upper
62 100
98 7.9 6.3 9.5





#29

Cyclohexane

Concen: 47.916 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

Instrument :

MSVOA_V

ClientSampleId :

GBX91MS

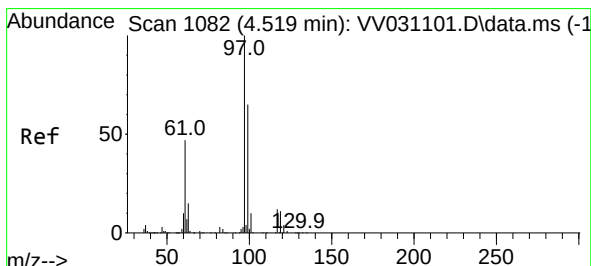
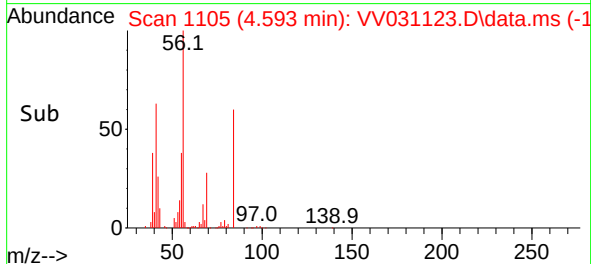
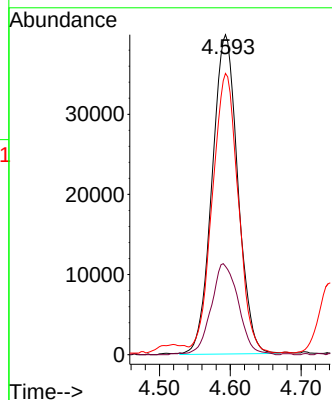
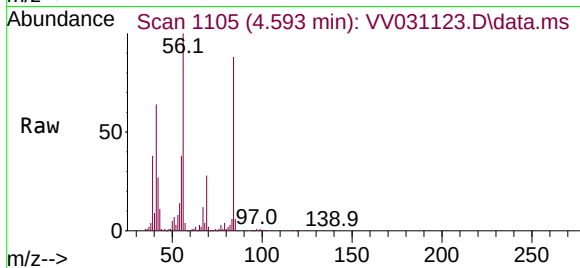
Tgt Ion: 56 Resp: 100609

Ion Ratio Lower Upper

56 100

69 30.1 25.1 37.7

84 87.7 71.5 107.3



#30

1,1,1-Trichloroethane

Concen: 48.830 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

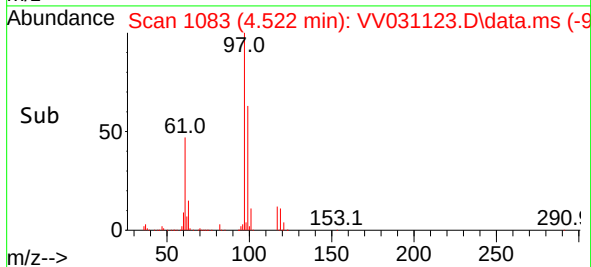
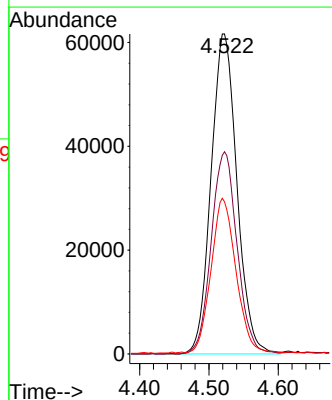
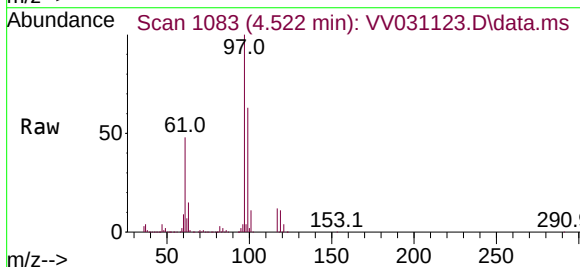
Tgt Ion: 97 Resp: 159884

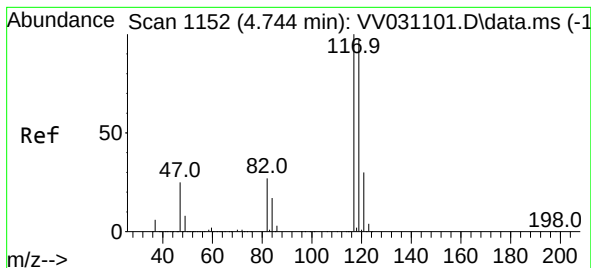
Ion Ratio Lower Upper

97 100

99 63.2 51.9 77.9

61 46.7 38.2 57.2





#31

Carbon tetrachloride

Concen: 48.002 ug/L

RT: 4.744 min Scan# 1152

Delta R.T. -0.000 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

Instrument :

MSVOA_V

ClientSampleId :

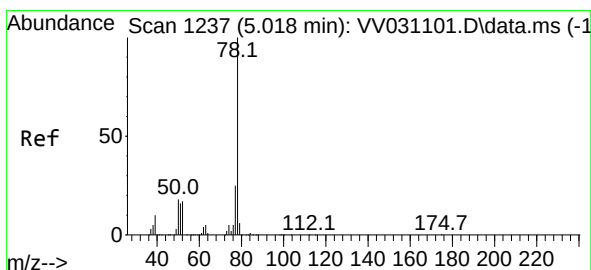
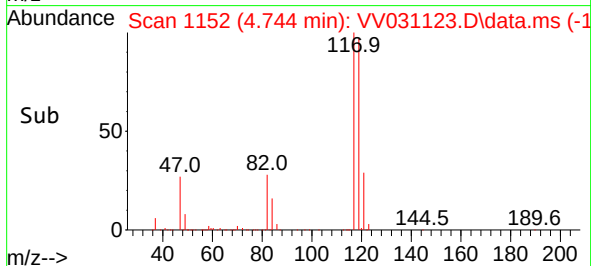
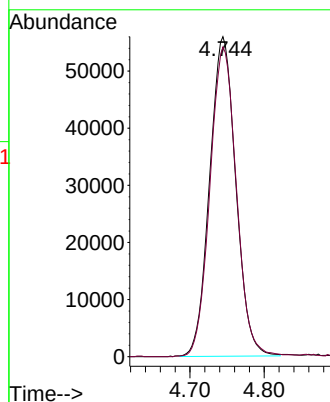
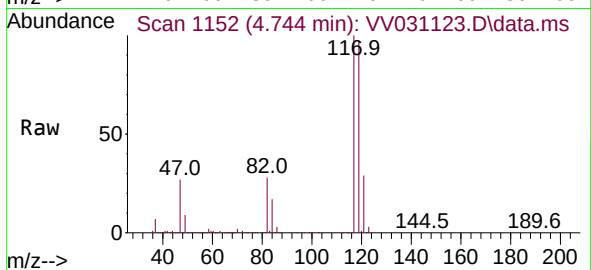
GBX91MS

Tgt Ion:117 Resp: 136926

Ion Ratio Lower Upper

117 100

119 97.3 76.9 115.3



#33

Benzene

Concen: 50.285 ug/L

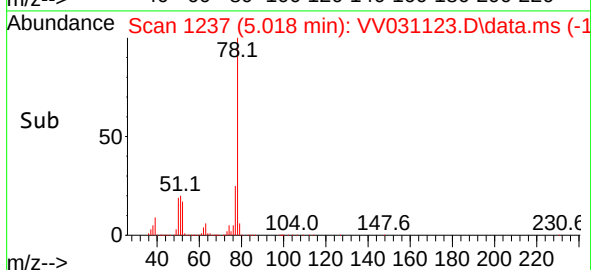
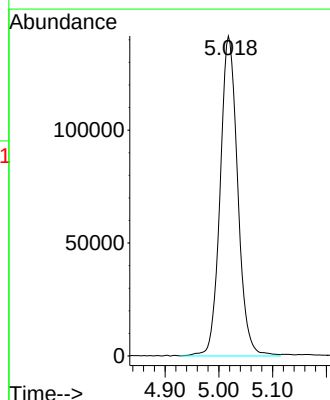
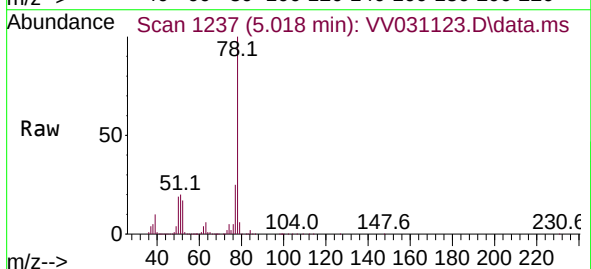
RT: 5.018 min Scan# 1237

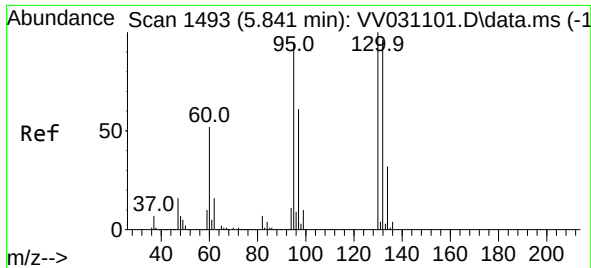
Delta R.T. -0.000 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

Tgt Ion: 78 Resp: 321446

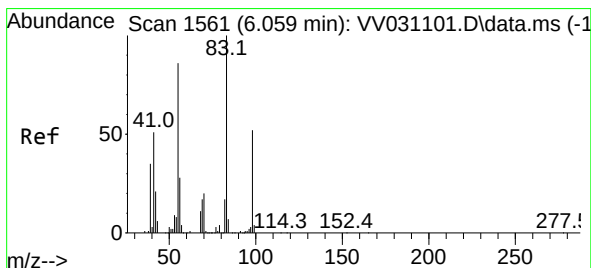
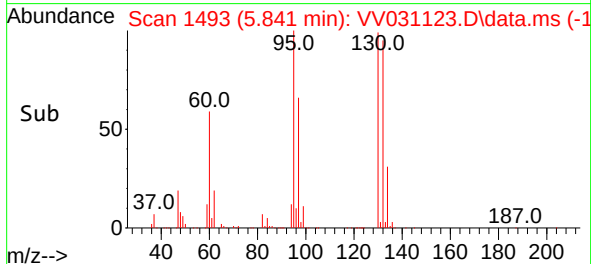
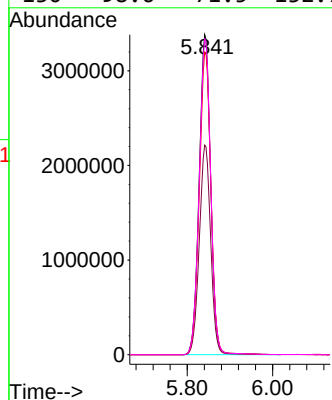
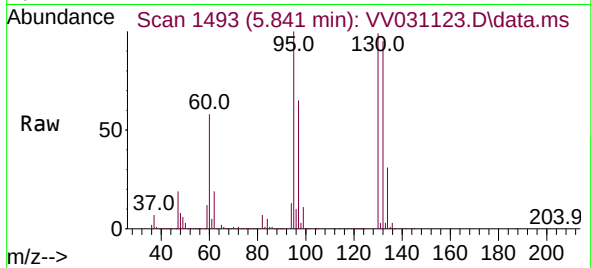




#34
Trichloroethene
Concen: 3692.327 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

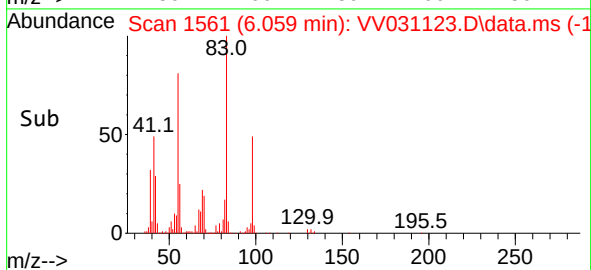
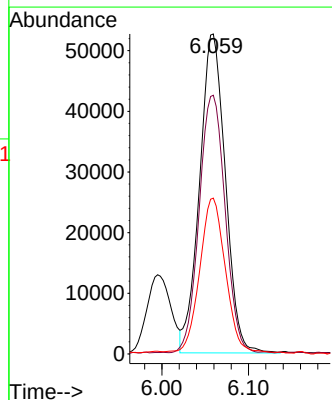
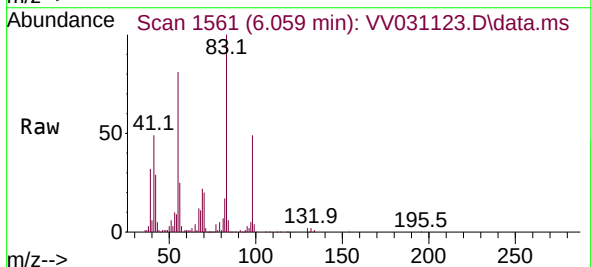
Instrument :
MSVOA_V
ClientSampleId :
GBX91MS

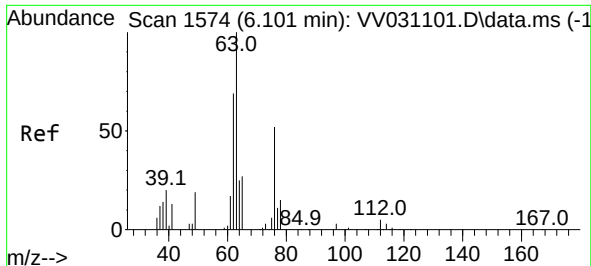
Tgt Ion: 95 Resp: 6324371
Ion Ratio Lower Upper
95 100
97 65.5 44.4 82.5
132 94.6 70.2 130.4
130 98.6 71.5 132.7



#35
Methylcyclohexane
Concen: 47.869 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. -0.000 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

Tgt Ion: 83 Resp: 108800
Ion Ratio Lower Upper
83 100
55 81.2 64.2 96.2
98 49.6 40.0 60.0





#37

1,2-Dichloropropane

Concen: 48.995 ug/L

RT: 6.098 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

Instrument :

MSVOA_V

ClientSampleId :

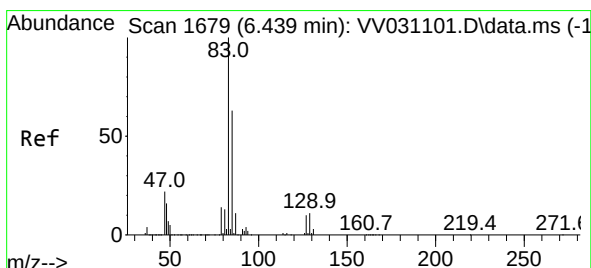
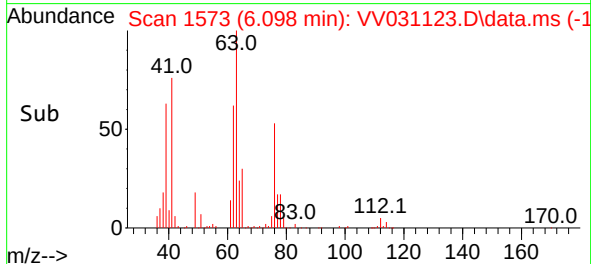
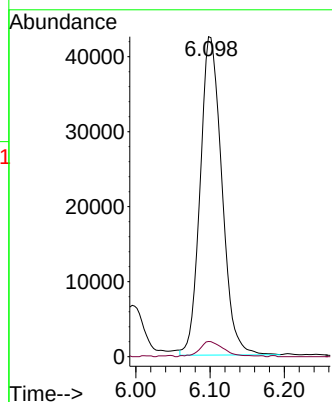
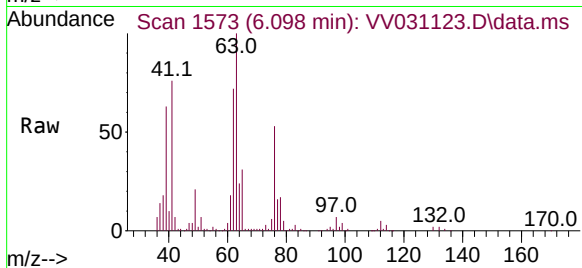
GBX91MS

Tgt Ion: 63 Resp: 86204

Ion Ratio Lower Upper

63 100

112 5.2 4.3 6.5



#38

Bromodichloromethane

Concen: 47.875 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

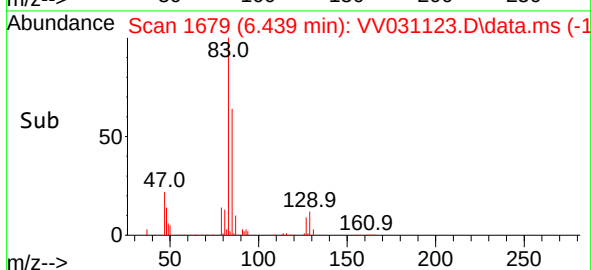
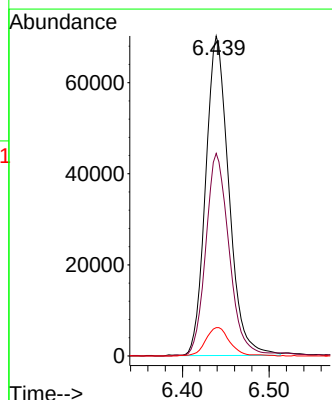
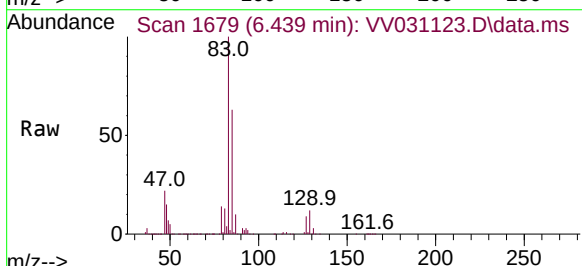
Tgt Ion: 83 Resp: 130575

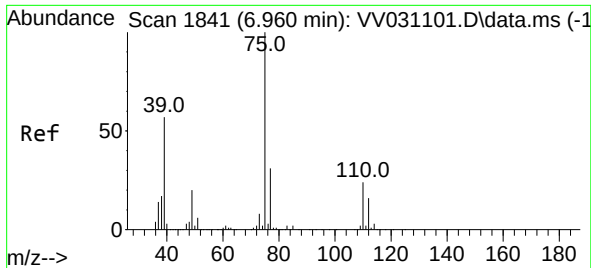
Ion Ratio Lower Upper

83 100

85 63.3 44.0 81.6

127 8.9 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 47.237 ug/L

RT: 6.960 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

Instrument :

MSVOA_V

ClientSampleId :

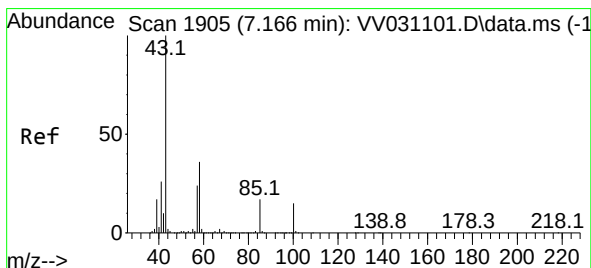
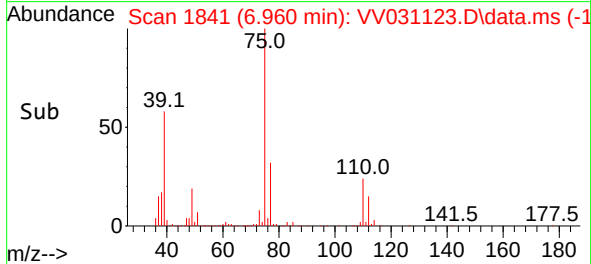
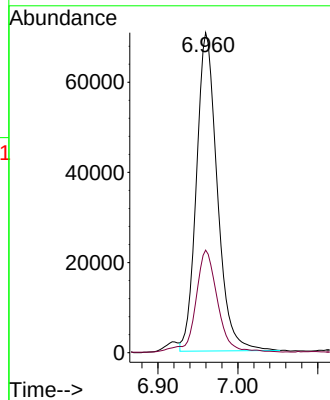
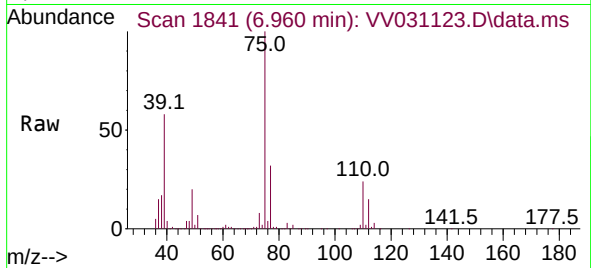
GBX91MS

Tgt Ion: 75 Resp: 128158

Ion Ratio Lower Upper

75 100

77 32.1 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 101.367 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

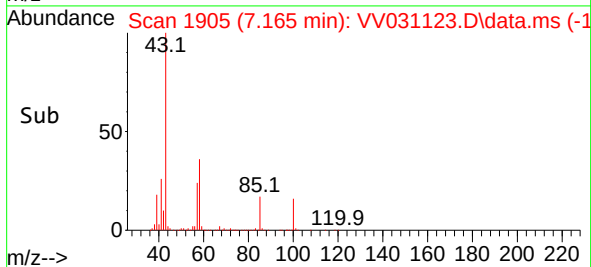
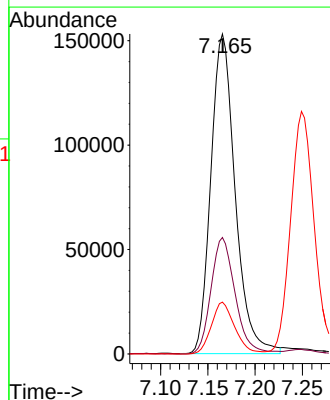
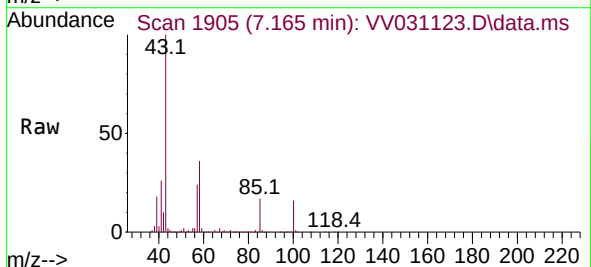
Tgt Ion: 43 Resp: 274444

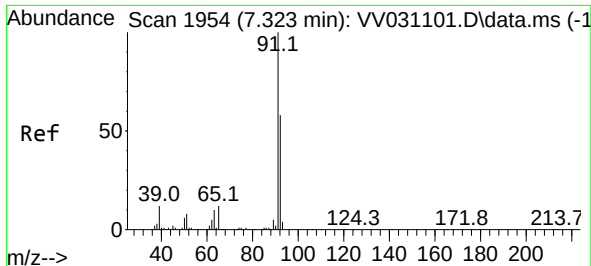
Ion Ratio Lower Upper

43 100

58 36.0 29.0 43.4

100 15.5 12.2 18.4

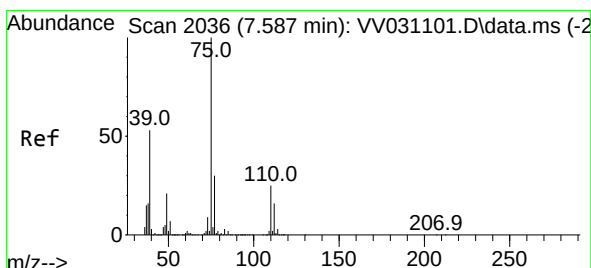
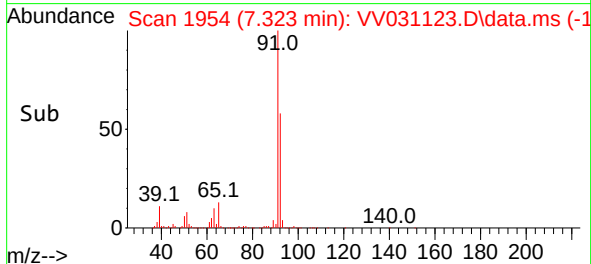
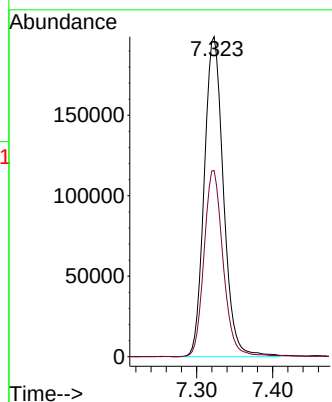
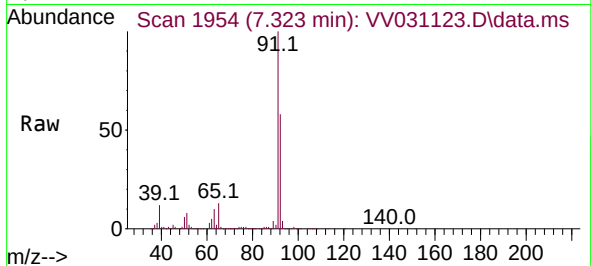




#42
Toluene
Concen: 50.513 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. -0.000 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

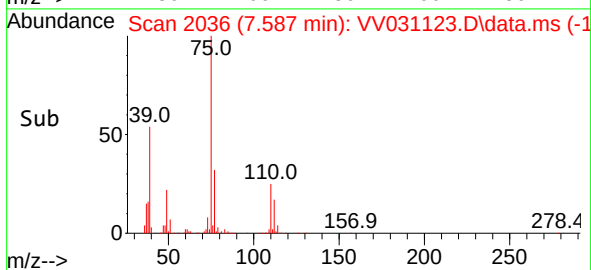
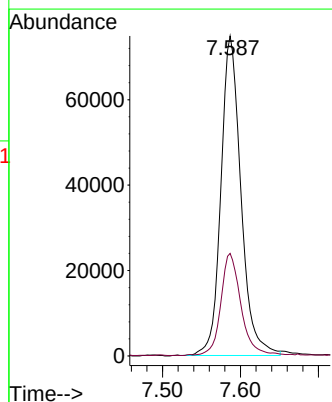
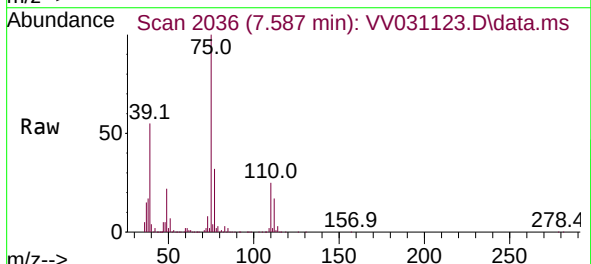
Instrument :
MSVOA_V
ClientSampleId :
GBX91MS

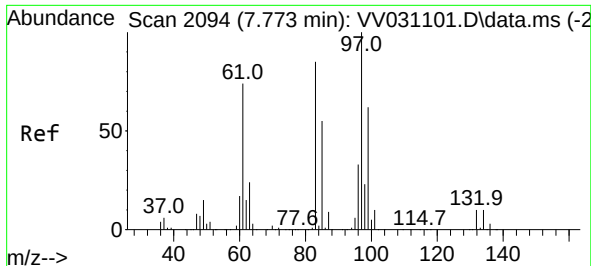
Tgt Ion: 91 Resp: 349356
Ion Ratio Lower Upper
91 100
92 58.2 40.9 76.0



#44
trans-1,3-Dichloropropene
Concen: 48.673 ug/L
RT: 7.587 min Scan# 2036
Delta R.T. -0.000 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

Tgt Ion: 75 Resp: 133589
Ion Ratio Lower Upper
75 100
77 32.0 22.2 41.2

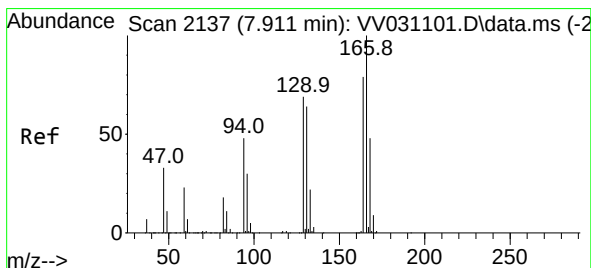
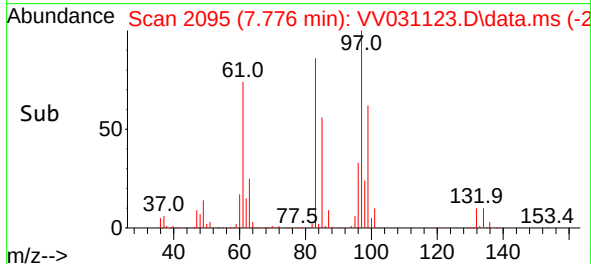
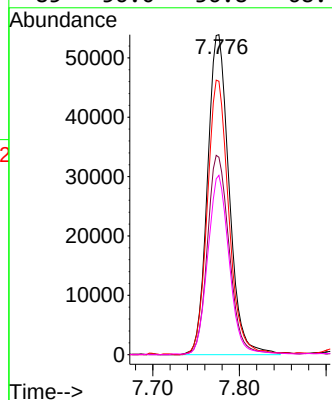
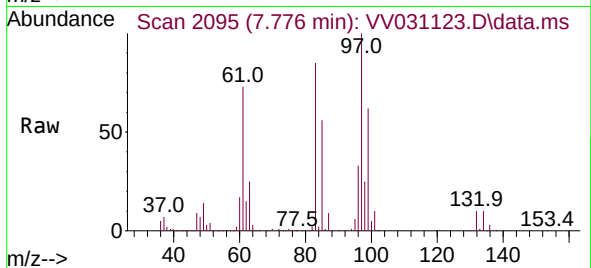




#45
1,1,2-Trichloroethane
Concen: 48.806 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.003 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

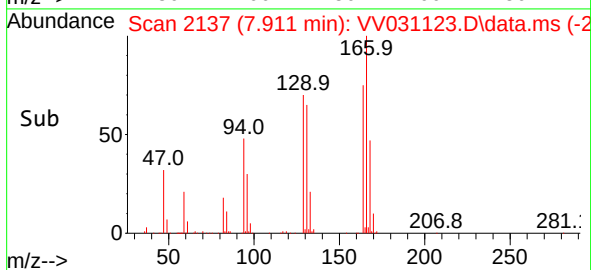
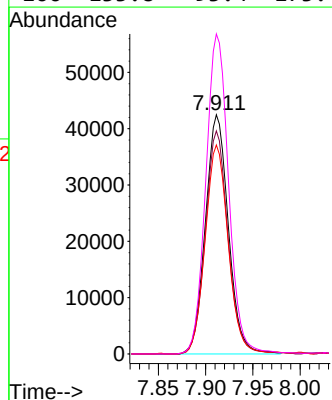
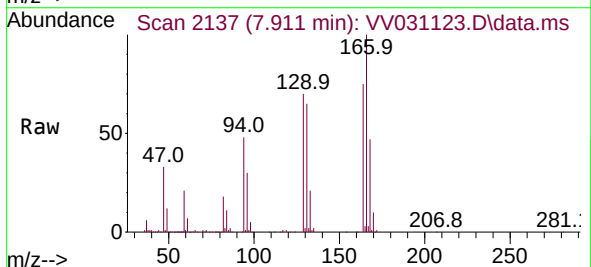
Instrument :
MSVOA_V
ClientSampleId :
GBX91MS

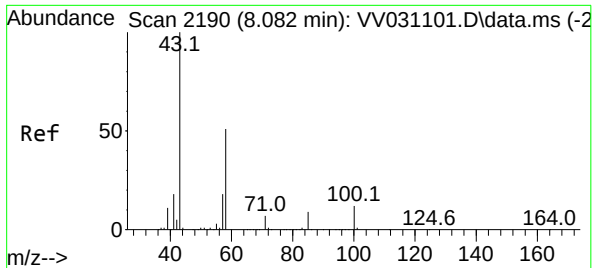
Tgt Ion:	97	Resp:	93705
Ion	Ratio	Lower	Upper
97	100		
99	61.7	43.2	80.2
83	85.5	60.5	112.3
85	56.0	36.8	68.4



#46
Tetrachloroethene
Concen: 48.945 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

Tgt Ion:	164	Resp:	71988
Ion	Ratio	Lower	Upper
164	100		
129	93.3	65.5	121.7
131	87.4	62.1	115.3
166	133.8	93.4	173.4

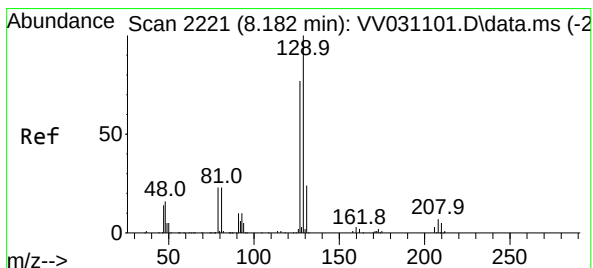
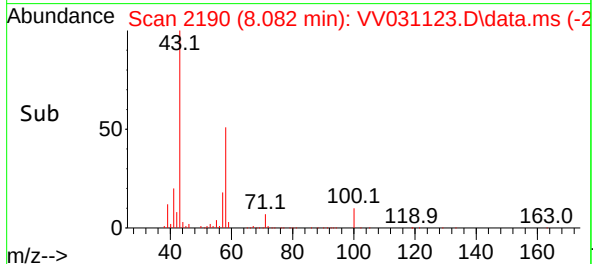
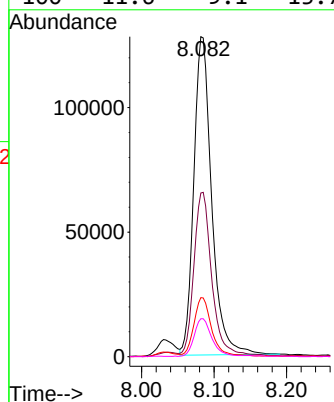
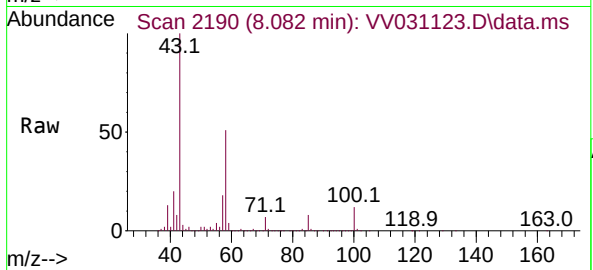




#48
2-Hexanone
Concen: 97.154 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

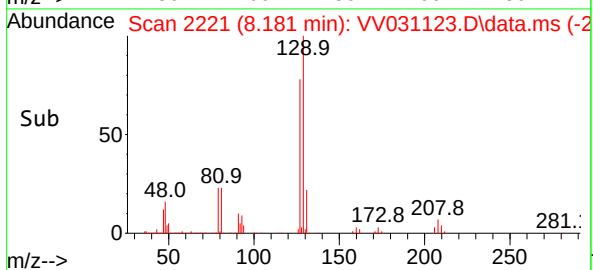
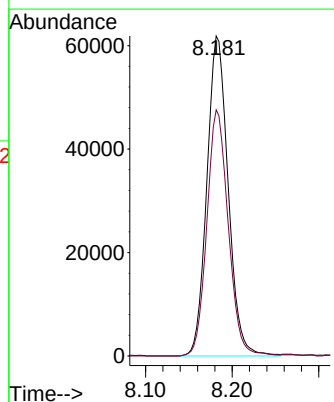
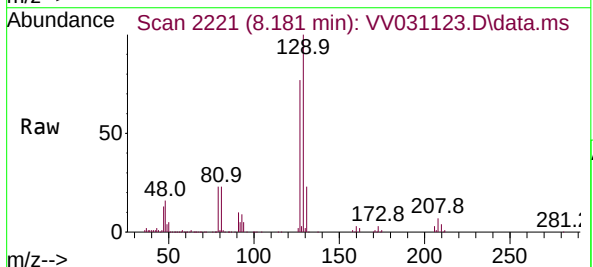
Instrument :
MSVOA_V
ClientSampleId :
GBX91MS

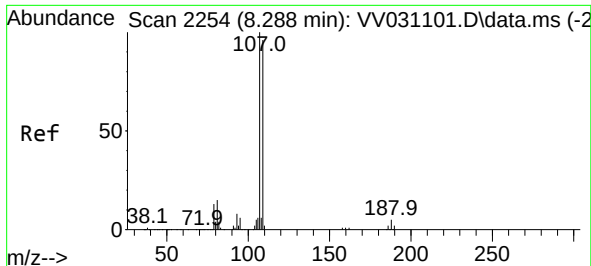
Tgt Ion: 43 Resp: 219084
Ion Ratio Lower Upper
43 100
58 52.0 39.8 59.6
57 18.2 14.4 21.6
100 11.6 9.1 13.7



#49
Dibromochloromethane
Concen: 48.759 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

Tgt Ion: 129 Resp: 105622
Ion Ratio Lower Upper
129 100
127 76.9 56.1 104.1





#50

1,2-Dibromoethane

Concen: 47.940 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

Instrument :

MSVOA_V

ClientSampleId :

GBX91MS

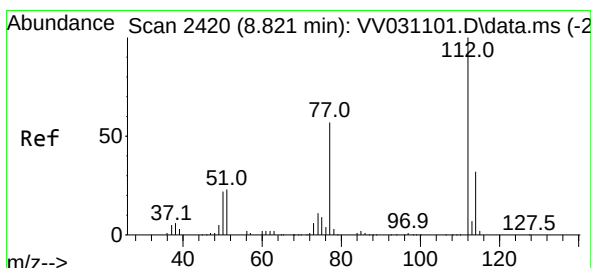
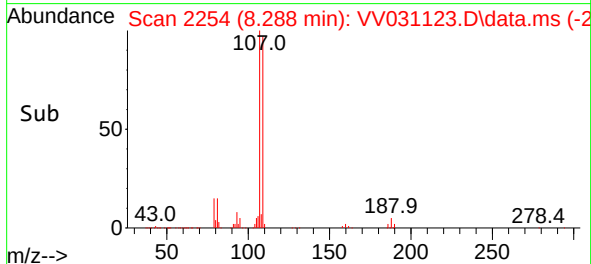
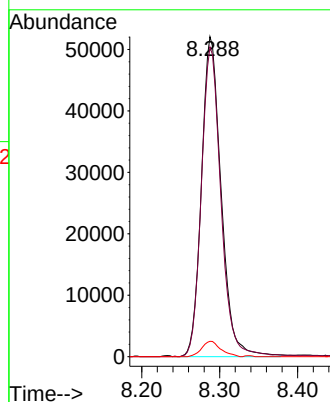
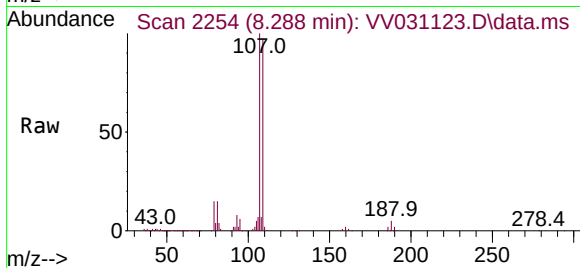
Tgt Ion:107 Resp: 91511

Ion Ratio Lower Upper

107 100

109 96.8 65.6 121.8

188 4.8 3.8 5.6



#51

Chlorobenzene

Concen: 47.883 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

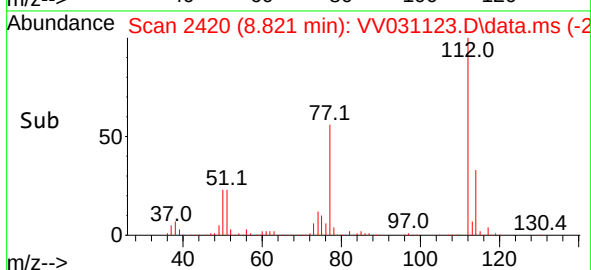
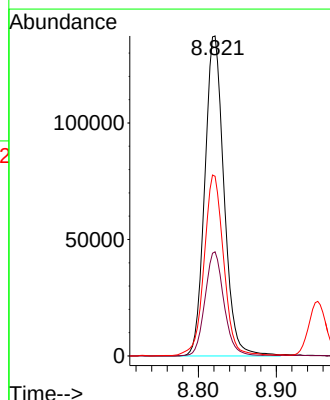
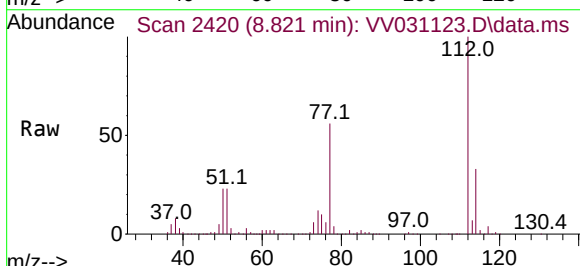
Tgt Ion:112 Resp: 235709

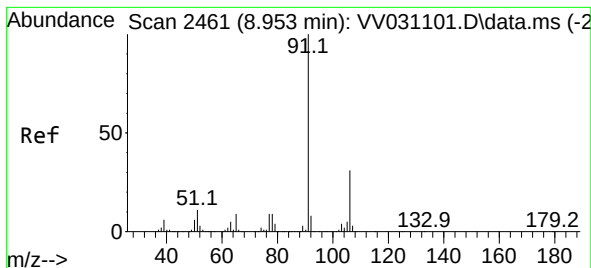
Ion Ratio Lower Upper

112 100

114 32.6 23.0 42.8

77 56.1 46.2 69.4





#52

Ethylbenzene

Concen: 48.825 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. -0.000 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

Instrument :

MSVOA_V

ClientSampleId :

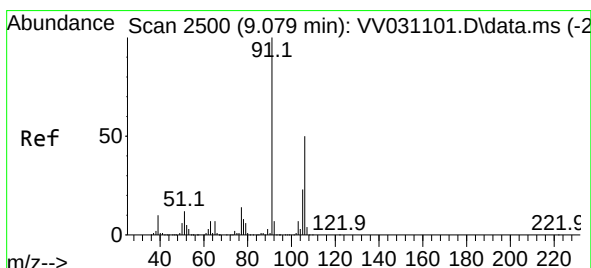
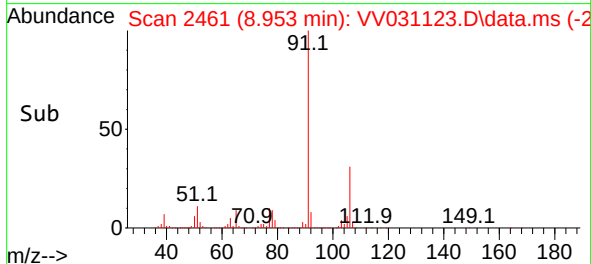
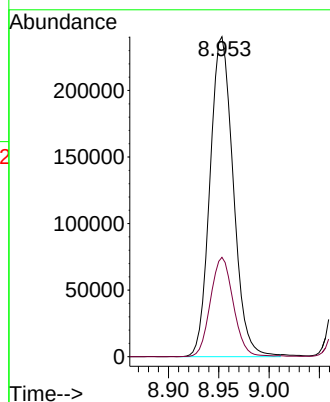
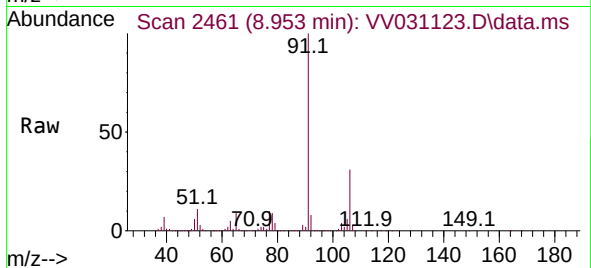
GBX91MS

Tgt Ion: 91 Resp: 386620

Ion Ratio Lower Upper

91 100

106 31.1 21.5 39.9



#53

m,p-Xylene

Concen: 48.049 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. -0.000 min

Lab File: VV031123.D

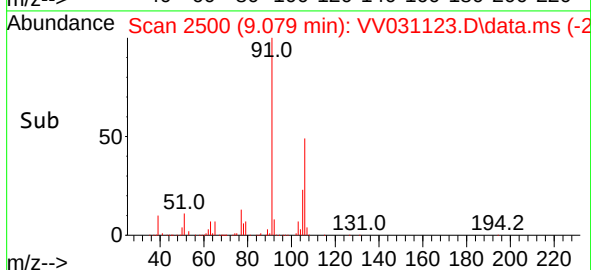
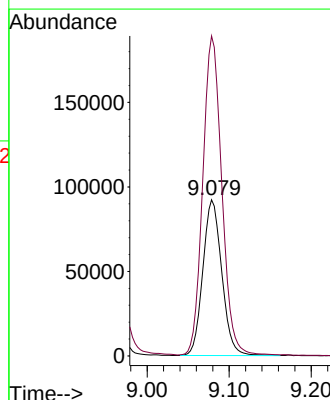
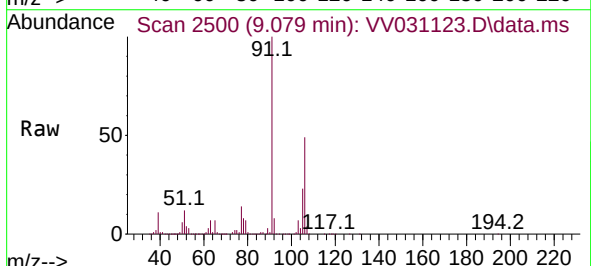
Acq: 19 May 2023 21:50

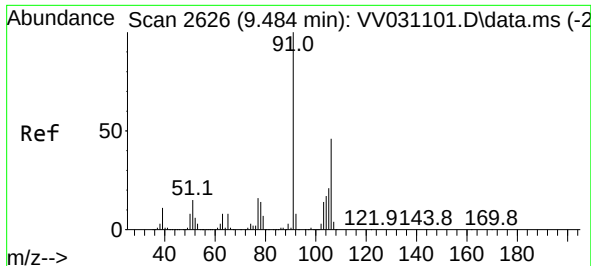
Tgt Ion:106 Resp: 147591

Ion Ratio Lower Upper

106 100

91 205.0 145.3 269.8

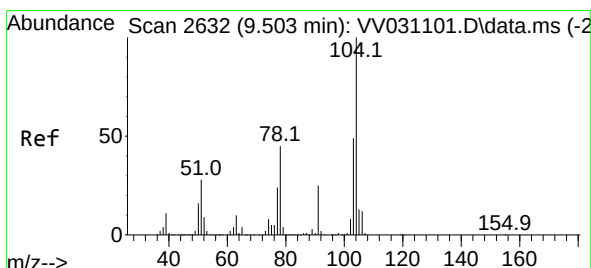
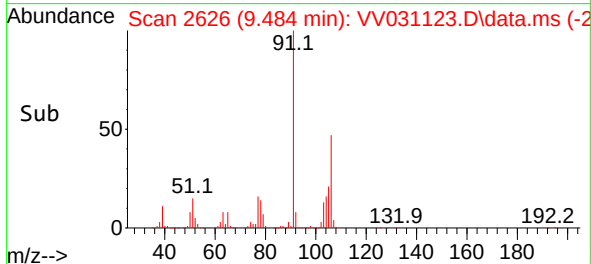
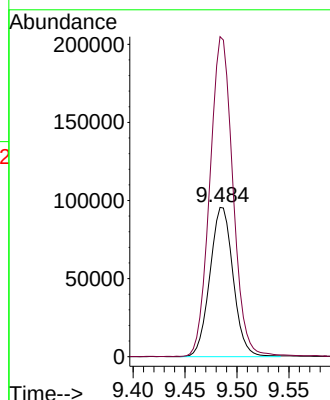
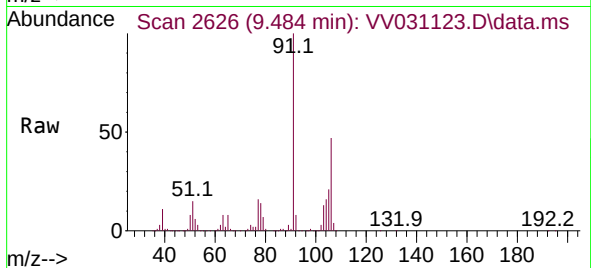




#54
o-Xylene
Concen: 49.060 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

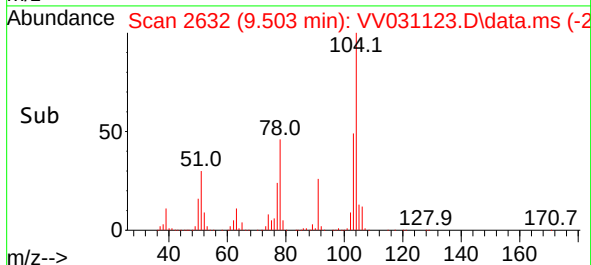
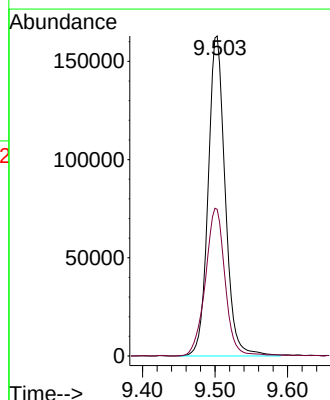
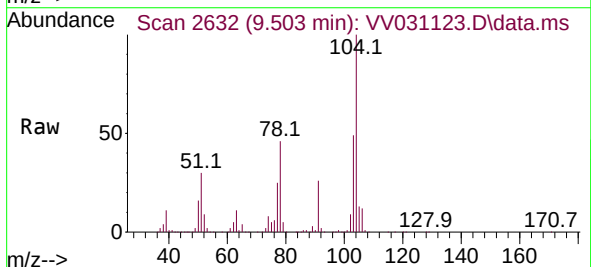
Instrument :
MSVOA_V
ClientSampleId :
GBX91MS

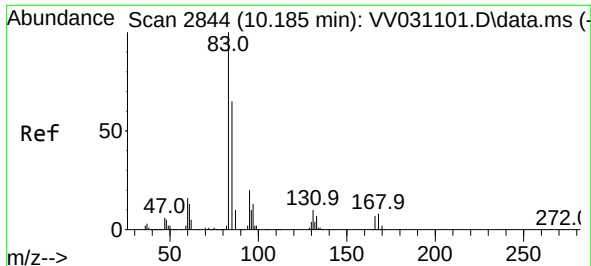
Tgt Ion:106 Resp: 148660
Ion Ratio Lower Upper
106 100
91 214.3 150.4 279.2



#55
Styrene
Concen: 49.779 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

Tgt Ion:104 Resp: 266775
Ion Ratio Lower Upper
104 100
78 45.8 33.2 61.6





#57

1,1,2,2-Tetrachloroethane

Concen: 49.751 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

Instrument :

MSVOA_V

ClientSampleId :

GBX91MS

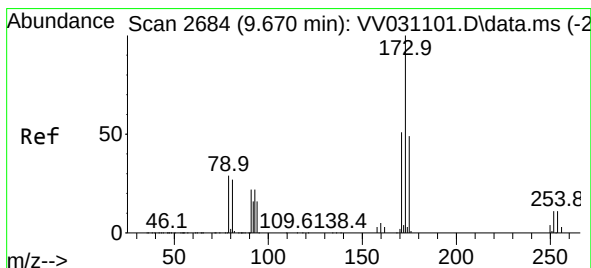
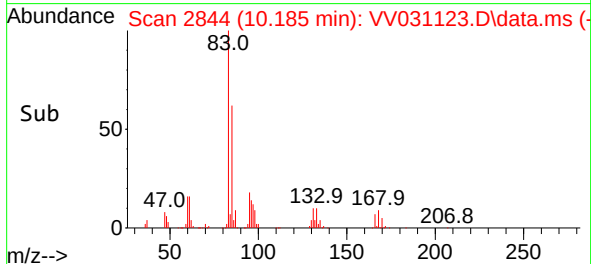
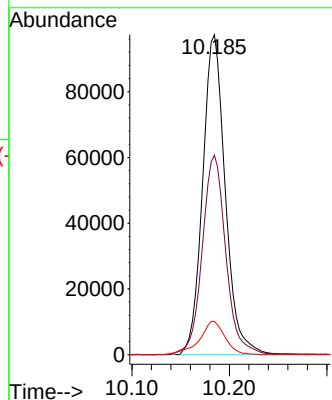
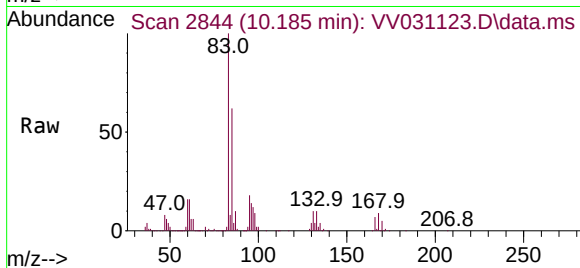
Tgt Ion: 83 Resp: 156945

Ion Ratio Lower Upper

83 100

85 62.3 45.0 83.6

131 10.4 9.2 13.8



#59

Bromoform

Concen: 49.140 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

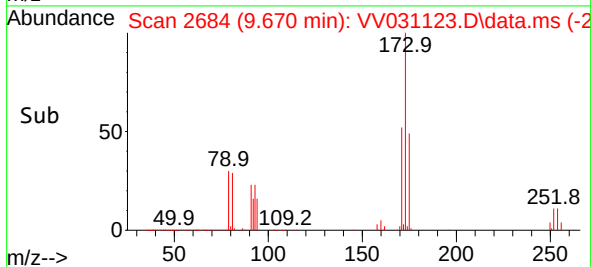
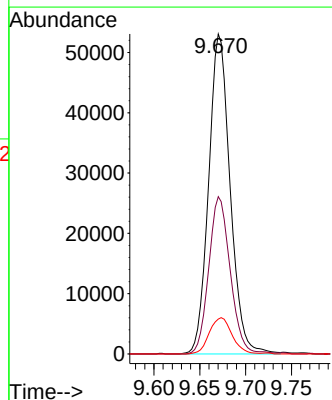
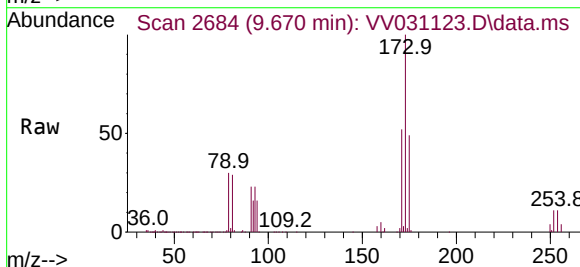
Tgt Ion: 173 Resp: 86679

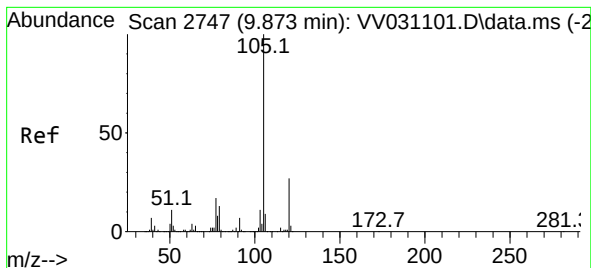
Ion Ratio Lower Upper

173 100

175 49.0 38.8 58.2

254 12.0 8.8 13.2





#60

Isopropylbenzene

Concen: 49.850 ug/L

RT: 9.873 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

Instrument :

MSVOA_V

ClientSampleId :

GBX91MS

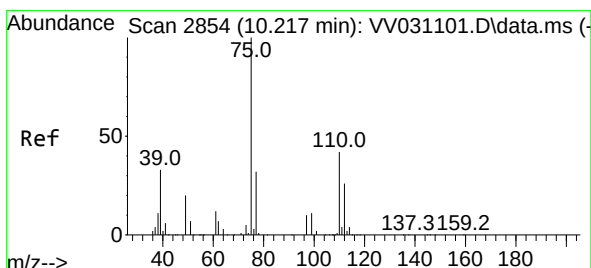
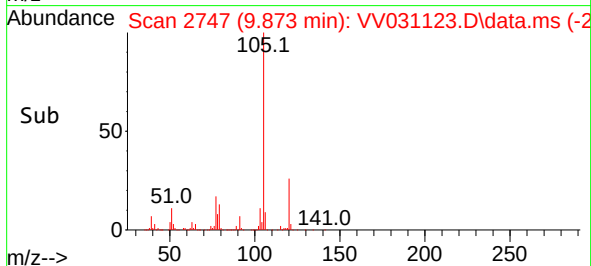
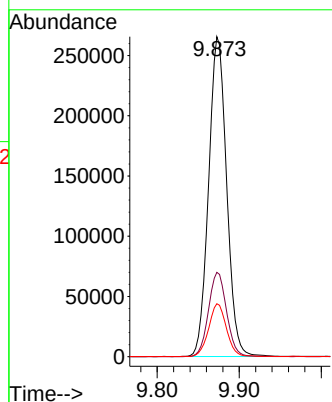
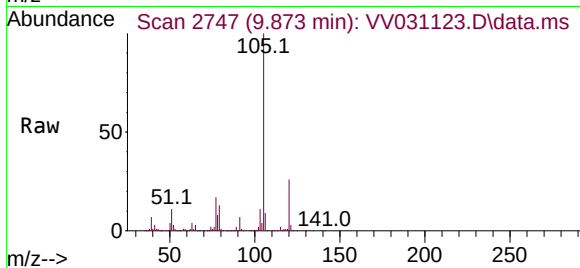
Tgt Ion:105 Resp: 405575

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.0

77 16.3 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 51.658 ug/L

RT: 10.217 min Scan# 2854

Delta R.T. -0.000 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

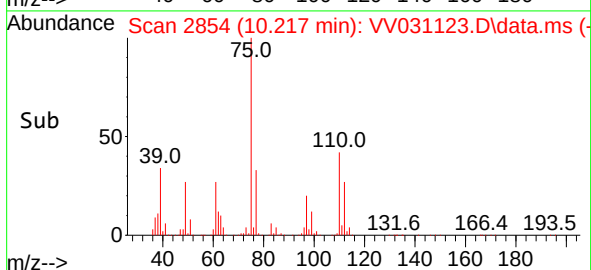
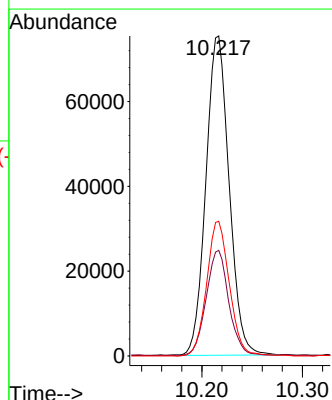
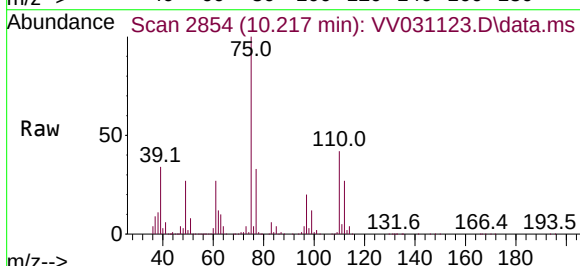
Tgt Ion: 75 Resp: 120893

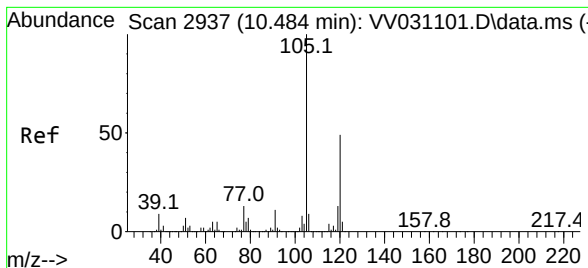
Ion Ratio Lower Upper

75 100

77 32.5 25.5 38.3

110 41.4 32.5 48.7





#62

1,3,5-Trimethylbenzene

Concen: 48.553 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

Instrument :

MSVOA_V

ClientSampleId :

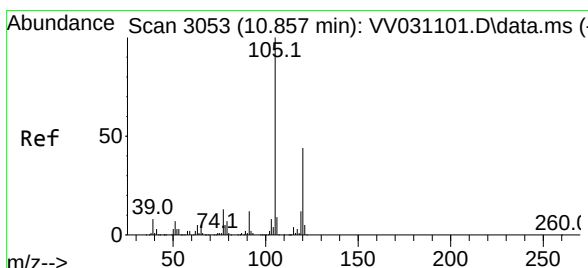
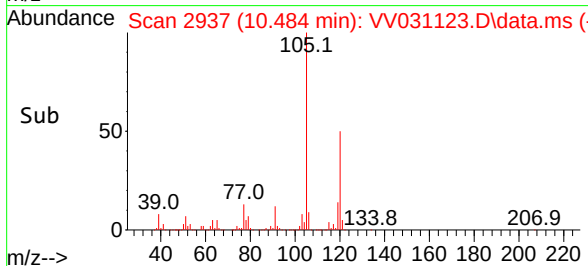
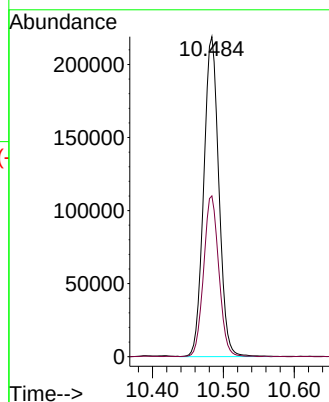
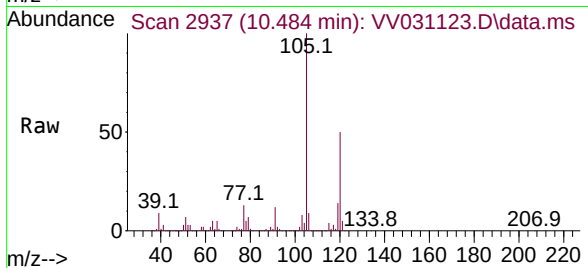
GBX91MS

Tgt Ion:105 Resp: 324702

Ion Ratio Lower Upper

105 100

120 50.3 40.5 60.7



#63

1,2,4-Trimethylbenzene

Concen: 49.740 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.003 min

Lab File: VV031123.D

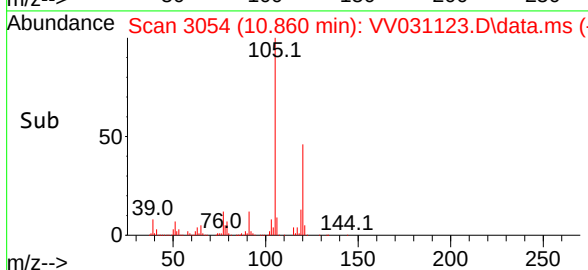
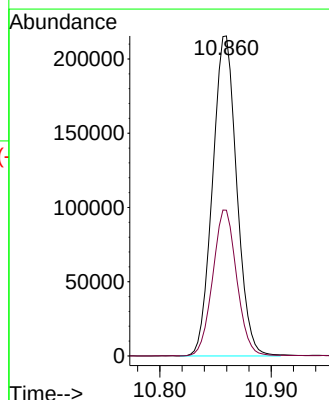
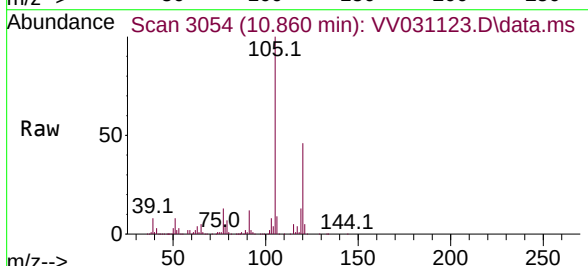
Acq: 19 May 2023 21:50

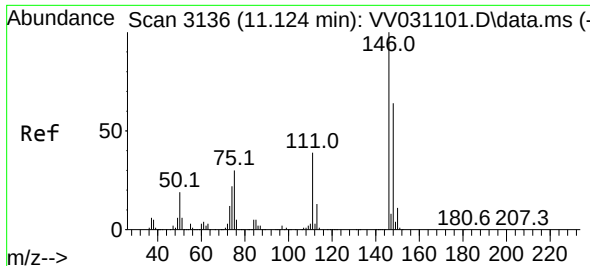
Tgt Ion:105 Resp: 325244

Ion Ratio Lower Upper

105 100

120 45.3 37.5 56.3

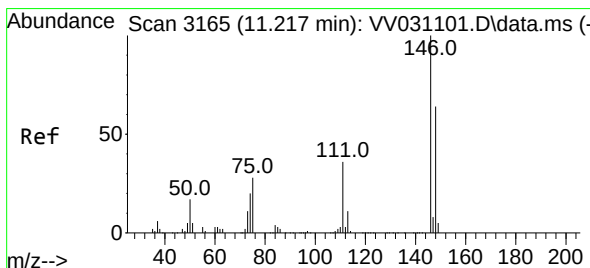
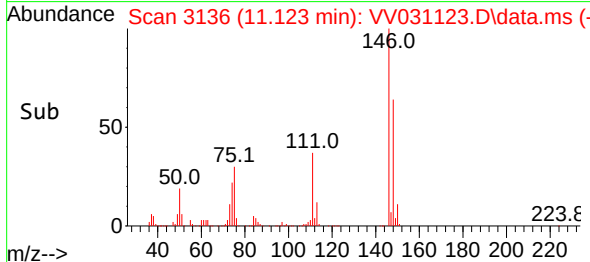
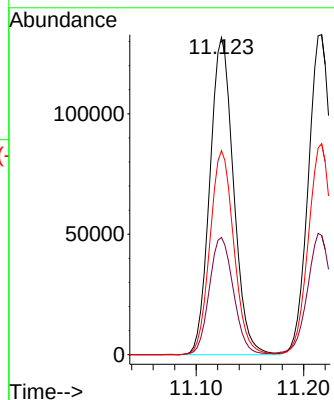
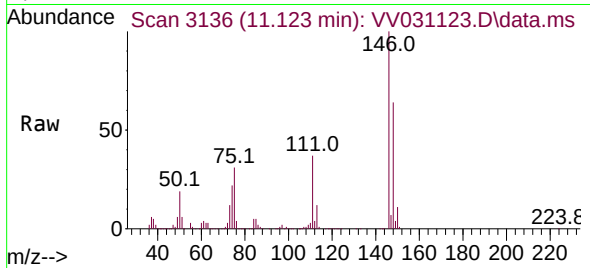




#64
1,3-Dichlorobenzene
Concen: 48.399 ug/L
RT: 11.123 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

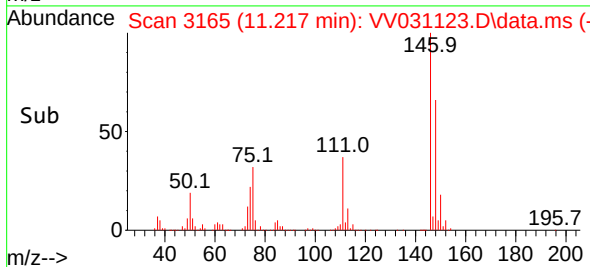
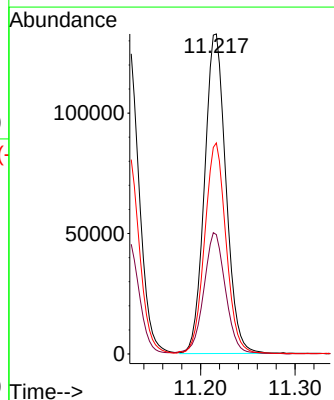
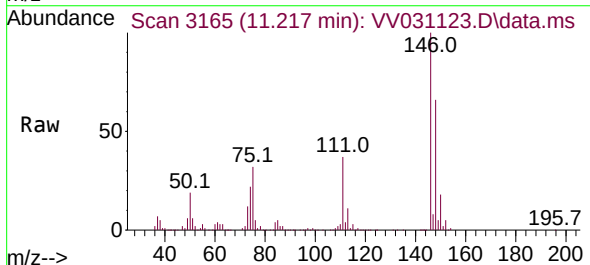
Instrument :
MSVOA_V
ClientSampleId :
GBX91MS

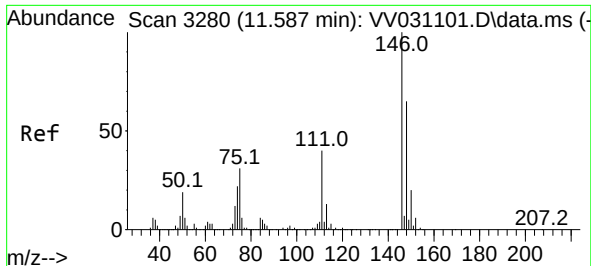
Tgt Ion:146 Resp: 201761
Ion Ratio Lower Upper
146 100
111 37.0 27.2 50.4
148 64.3 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 48.179 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

Tgt Ion:146 Resp: 208947
Ion Ratio Lower Upper
146 100
111 37.3 25.5 47.3
148 65.9 44.5 82.7

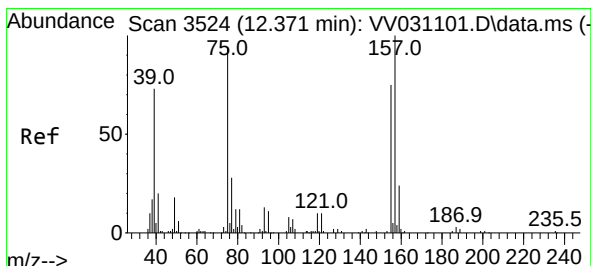
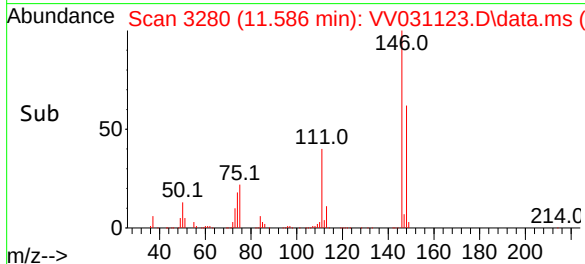
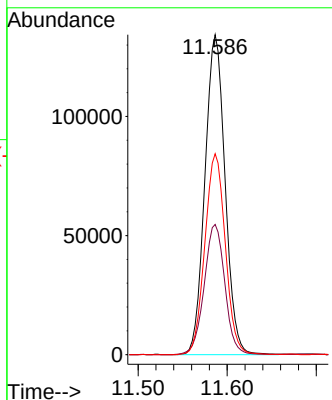
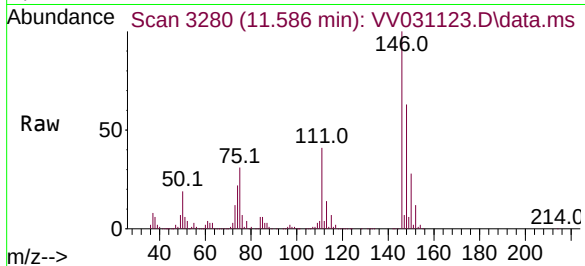




#67
1,2-Dichlorobenzene
Concen: 49.901 ug/L
RT: 11.586 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

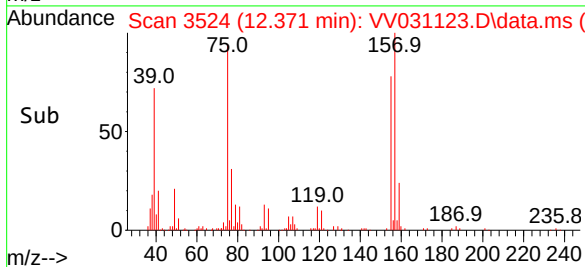
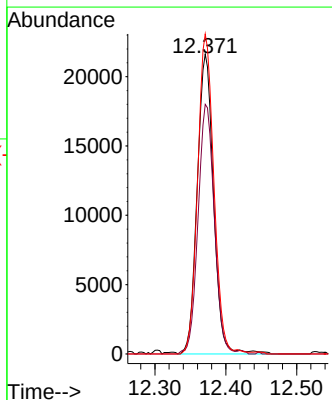
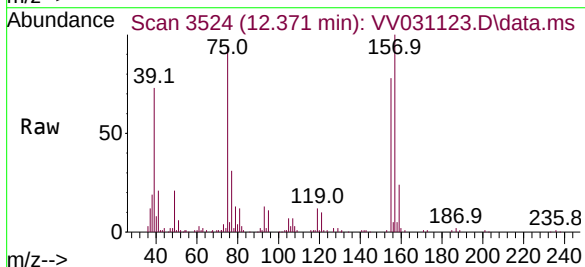
Instrument :
MSVOA_V
ClientSampleId :
GBX91MS

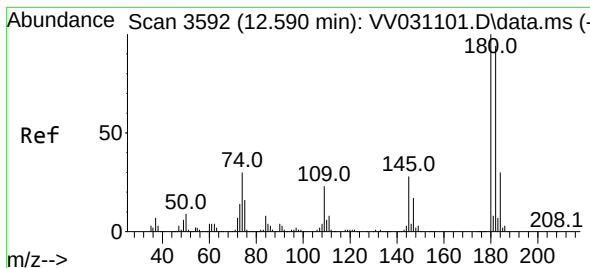
Tgt Ion:146 Resp: 211076
Ion Ratio Lower Upper
146 100
111 40.7 31.4 47.2
148 62.8 50.2 75.4



#68
1,2-Dibromo-3-chloropropane
Concen: 48.220 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. -0.000 min
Lab File: VV031123.D
Acq: 19 May 2023 21:50

Tgt Ion: 75 Resp: 34641
Ion Ratio Lower Upper
75 100
155 83.2 70.9 106.3
157 106.7 88.1 132.1





#69

1,3,5-Trichlorobenzene

Concen: 45.473 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. -0.000 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

Instrument :

MSVOA_V

ClientSampleId :

GBX91MS

Tgt Ion:180 Resp: 146539

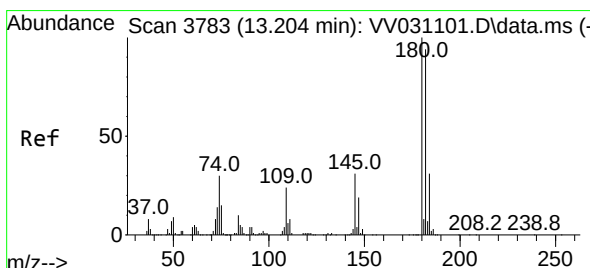
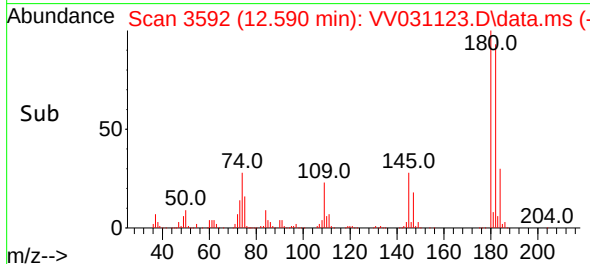
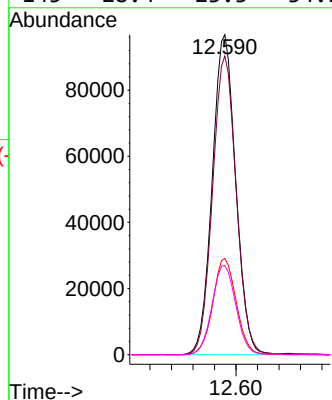
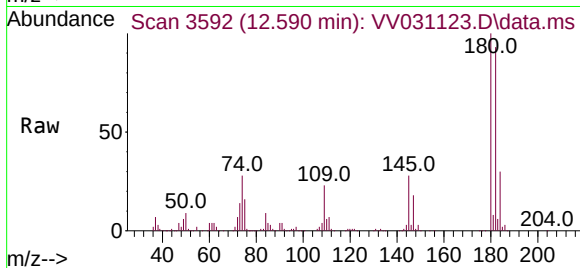
Ion Ratio Lower Upper

180 100

182 93.6 76.6 115.0

184 30.0 24.6 37.0

145 28.4 23.3 34.9



#70

1,2,4-trichlorobenzene

Concen: 43.523 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. -0.000 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

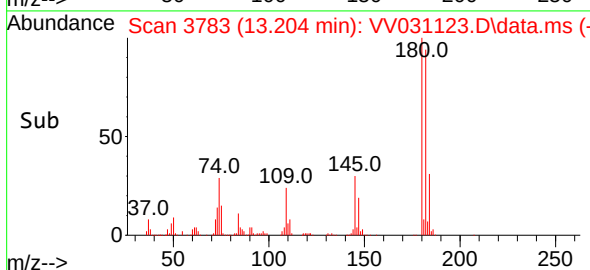
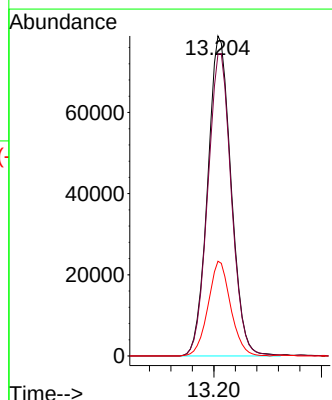
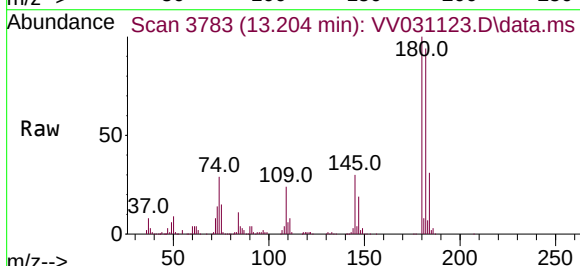
Tgt Ion:180 Resp: 119361

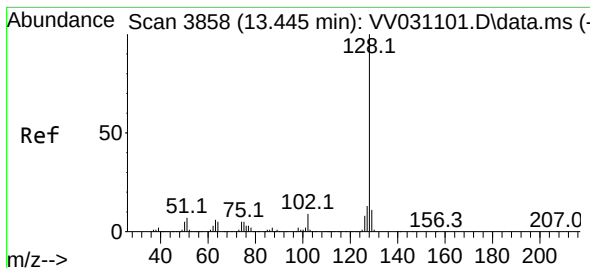
Ion Ratio Lower Upper

180 100

182 95.0 75.4 113.2

145 28.5 23.1 34.7





#71

Naphthalene

Concen: 41.326 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. -0.000 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

Instrument :

MSVOA_V

ClientSampleId :

GBX91MS

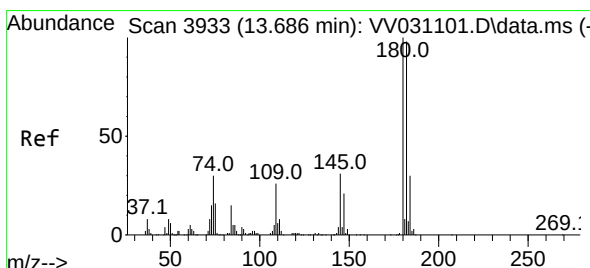
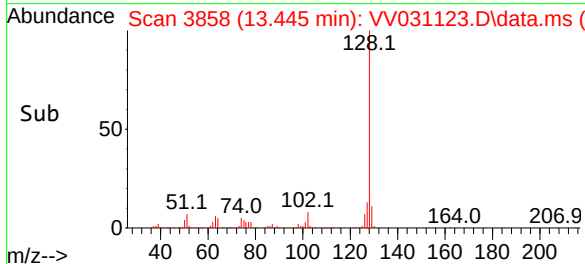
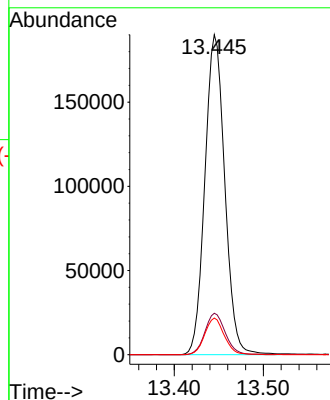
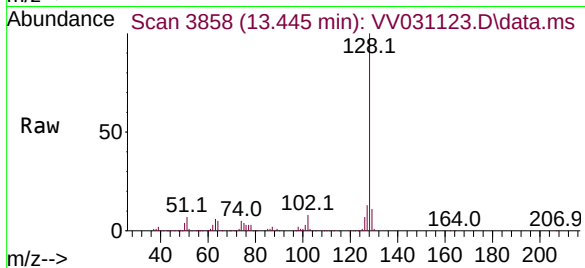
Tgt Ion:128 Resp: 294396

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

129 11.3 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 45.471 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. -0.000 min

Lab File: VV031123.D

Acq: 19 May 2023 21:50

Tgt Ion:180 Resp: 124617

Ion Ratio Lower Upper

180 100

182 94.2 75.4 113.0

145 30.0 24.2 36.4

