

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW053123\
 Data File : VW031310.D
 Acq On : 31 May 2023 20:39
 Operator : SY/MD
 Sample : 02961-12MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 01 02:02:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 01 01:56:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	260777	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	8.792	117	263785	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	146992	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	82166	36.868	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.740%
7) Chloroethane-d5	1.532	69	77989	45.425	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.840%
11) 1,1-Dichloroethene-d2	2.063	65	40036	38.309	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.620%
21) 2-Butanone-d5	3.796	46	152408	128.340	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	128.340%
24) Chloroform-d	4.259	84	178609	45.301	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.600%
26) 1,2-Dichloroethane-d4	4.950	65	121102	45.455	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.920%
32) Benzene-d6	4.969	84	319056	44.617	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.240%
36) 1,2-Dichloropropane-d6	5.995	67	115932	54.183	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.360%
41) Toluene-d8	7.249	98	297604	44.590	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.180%
43) trans-1,3-Dichloroprop...	7.558	79	52659	49.054	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.100%
47) 2-Hexanone-d5	8.034	63	97658	117.062	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.060%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	169424	52.794	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.580%
66) 1,2-Dichlorobenzene-d4	11.567	152	113032	42.792	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.580%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	71088	42.225	ug/L	98
3) Chloromethane	1.217	50	79329	43.040	ug/L	98
5) Vinyl chloride	1.285	62	84287	51.199	ug/L	99
6) Bromomethane	1.487	94	51709	56.046	ug/L	96
8) Chloroethane	1.552	64	59937	56.500	ug/L	98
9) Trichlorofluoromethane	1.716	101	142740	44.083	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	83601	48.959	ug/L	94
12) 1,1-Dichloroethene	2.072	96	66019	45.575	ug/L	95
13) Acetone	2.121	43	137805	89.260	ug/L	92
14) Carbon disulfide	2.246	76	127677	48.367	ug/L	98
15) Methyl Acetate	2.378	43	115013	65.548	ug/L	94
16) Methylene chloride	2.452	84	86190	53.446	ug/L	92
17) trans-1,2-Dichloroethene	2.699	96	63163	47.161	ug/L	89
18) Methyl tert-butyl Ether	2.712	73	277413	53.619	ug/L	94
19) 1,1-Dichloroethane	3.117	63	173044	56.694	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	81706	49.488	ug/L	91
22) 2-Butanone	3.879	43	167981	113.463	ug/L	96
23) Bromochloromethane	4.156	128	44327	48.857	ug/L	# 81
25) Chloroform	4.285	83	186744	54.769	ug/L	96

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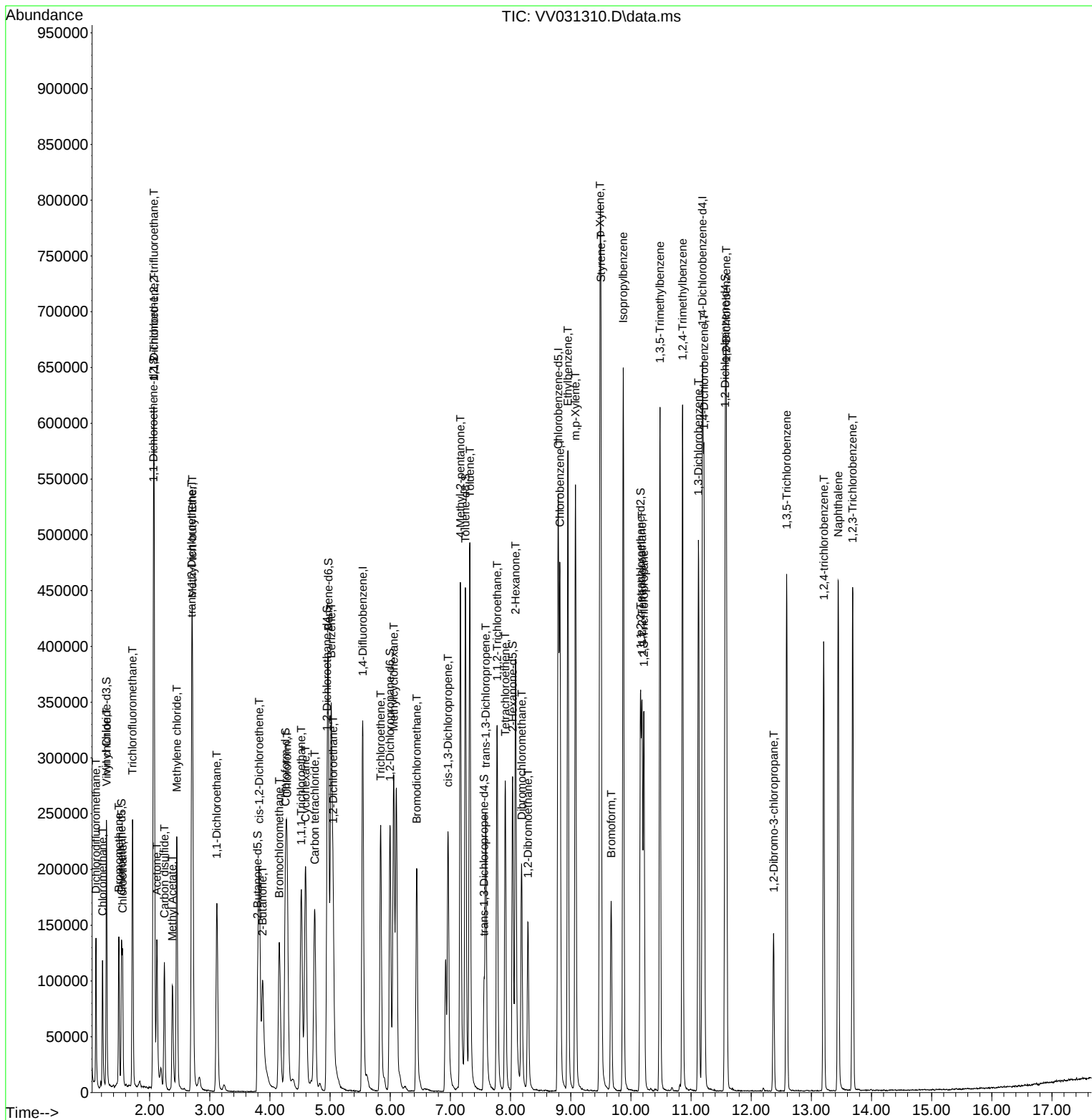
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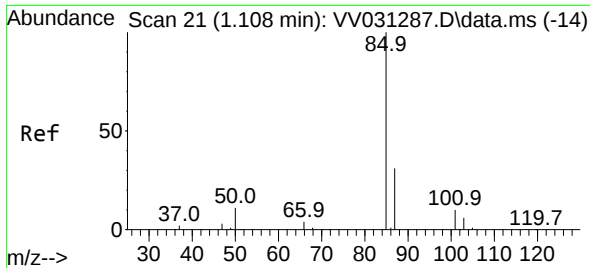
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 01 01:56:05 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	139472	48.211	ug/L	98
29) Cyclohexane	4.590	56	105164	50.664	ug/L #	84
30) 1,1,1-Trichloroethane	4.519	97	149882	46.304	ug/L	98
31) Carbon tetrachloride	4.744	117	129685	45.989	ug/L	97
33) Benzene	5.018	78	324709	51.382	ug/L	100
34) Trichloroethene	5.841	95	88019	51.981	ug/L	91
35) Methylcyclohexane	6.059	83	107608	47.891	ug/L	89
38) Bromodichloromethane	6.439	83	142337	52.789	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	145989	54.430	ug/L	98
40) 4-Methyl-2-pentanone	7.165	43	333891	124.747	ug/L #	97
42) Toluene	7.323	91	348646	50.992	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	148268	54.645	ug/L	97
45) 1,1,2-Trichloroethane	7.776	97	102063	53.773	ug/L	98
46) Tetrachloroethene	7.911	164	59427	40.871	ug/L	95
48) 2-Hexanone	8.082	43	261619	117.355	ug/L	97
49) Dibromochloromethane	8.185	129	104540	48.816	ug/L	99
50) 1,2-Dibromoethane	8.288	107	102648	54.395	ug/L #	98
51) Chlorobenzene	8.821	112	226539	46.551	ug/L	93
52) Ethylbenzene	8.953	91	382866	48.909	ug/L	97
53) m,p-Xylene	9.079	106	136868	45.073	ug/L	89
54) o-Xylene	9.487	106	134453	44.883	ug/L	88
55) Styrene	9.503	104	255244	48.177	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.185	83	165757	53.151	ug/L #	97
59) Bromoform	9.673	173	77330	45.371	ug/L	98
60) Isopropylbenzene	9.873	105	381953	48.586	ug/L	97
61) 1,2,3-Trichloropropane	10.217	75	138080	61.062	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	305894	47.338	ug/L	92
63) 1,2,4-Trimethylbenzene	10.860	105	312018	49.383	ug/L	94
64) 1,3-Dichlorobenzene	11.124	146	185235	45.986	ug/L	97
65) 1,4-Dichlorobenzene	11.217	146	193702	46.224	ug/L	96
67) 1,2-Dichlorobenzene	11.586	146	190288	46.557	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.374	75	37784	54.432	ug/L #	81
69) 1,3,5-Trichlorobenzene	12.590	180	130444	41.891	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	111343	42.016	ug/L	97
71) Naphthalene	13.448	128	330582	48.026	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	123729	46.724	ug/L	98

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

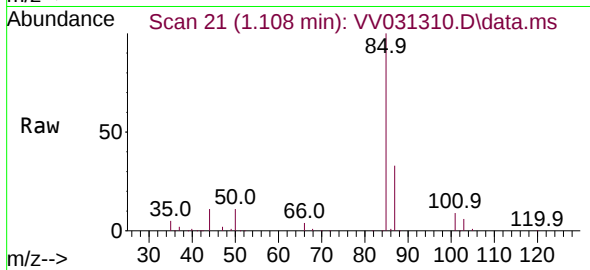
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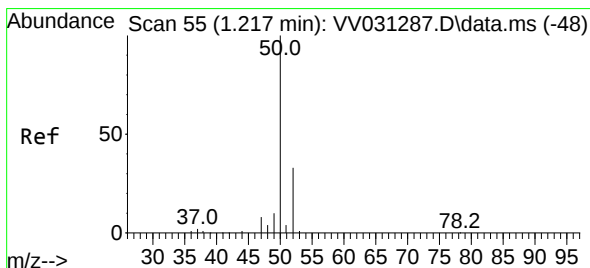
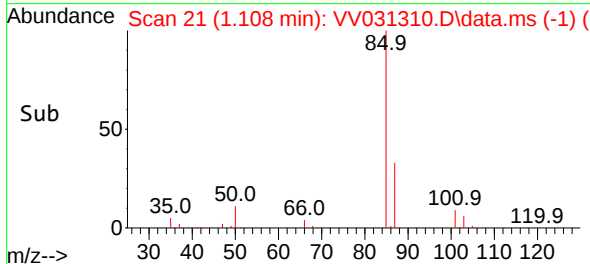
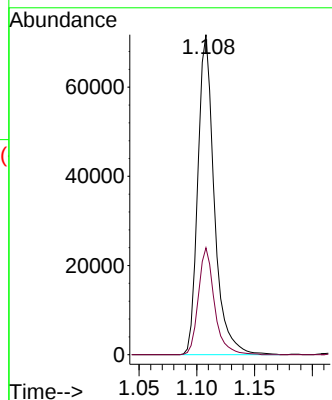


#2
 Dichlorodifluoromethane
 Concen: 42.225 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031310.D
 Acq: 31 May 2023 20:39

Instrument :
 MSVOA_V
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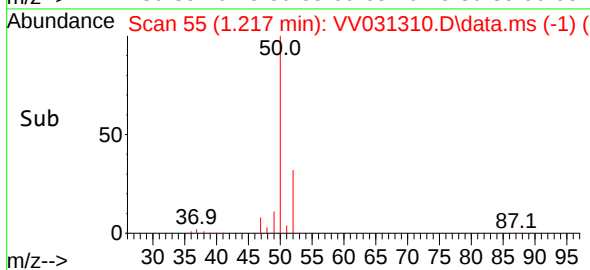
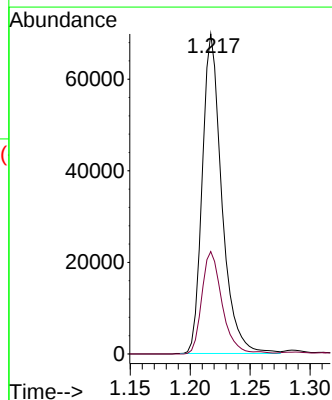
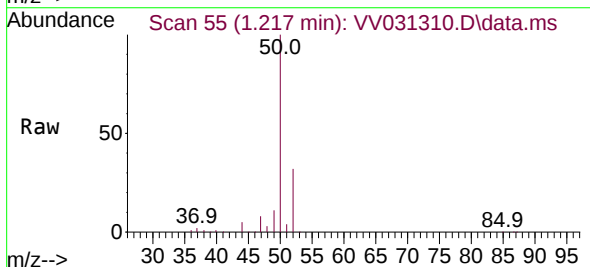


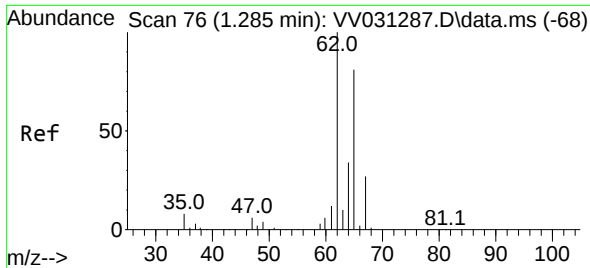
Tgt Ion: 85 Resp: 71088
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.2 37.8



#3
 Chloromethane
 Concen: 43.040 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031310.D
 Acq: 31 May 2023 20:39

Tgt Ion: 50 Resp: 79329
 Ion Ratio Lower Upper
 50 100
 52 32.0 23.3 43.3

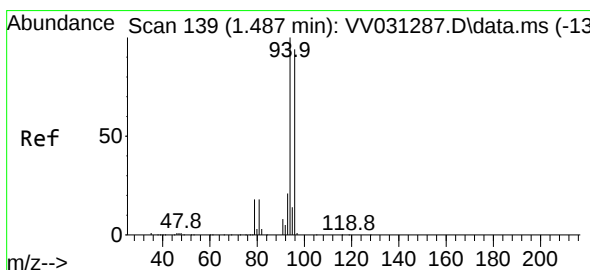
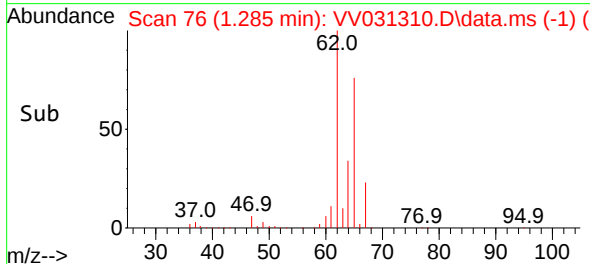
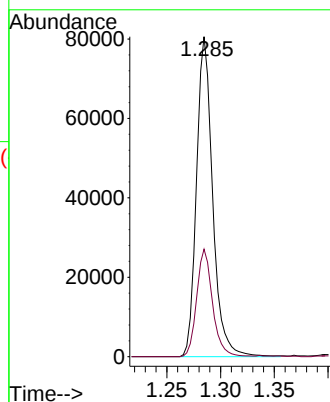
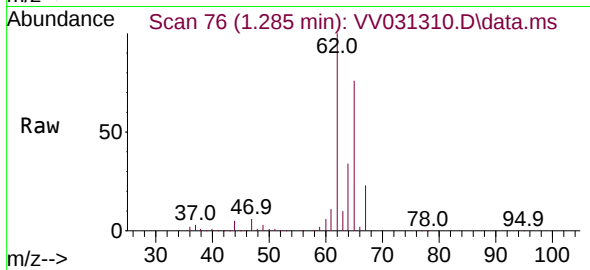




#5
 Vinyl chloride
 Concen: 51.199 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV031310.D
 Acq: 31 May 2023 20:39

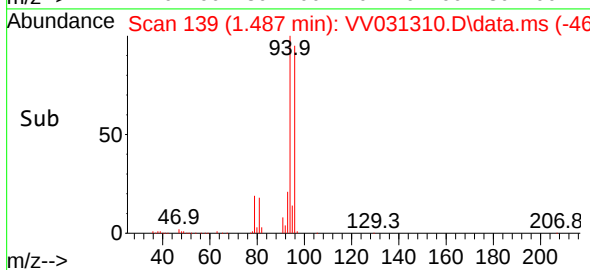
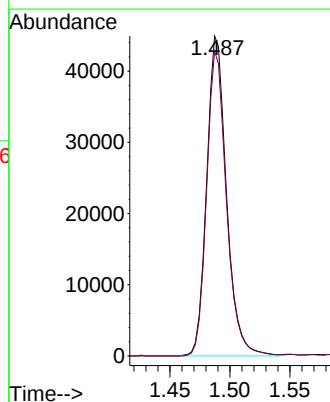
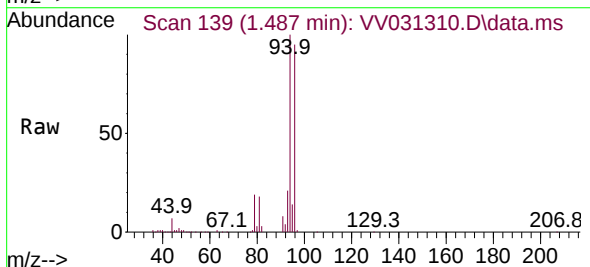
Instrument :
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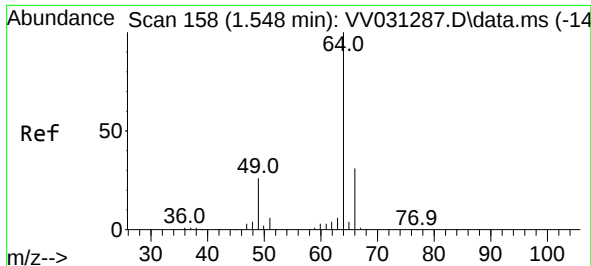
Tgt Ion: 62 Resp: 84287
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.1 42.9



#6
 Bromomethane
 Concen: 56.046 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV031310.D
 Acq: 31 May 2023 20:39

Tgt Ion: 94 Resp: 51709
 Ion Ratio Lower Upper
 94 100
 96 95.2 63.9 118.7

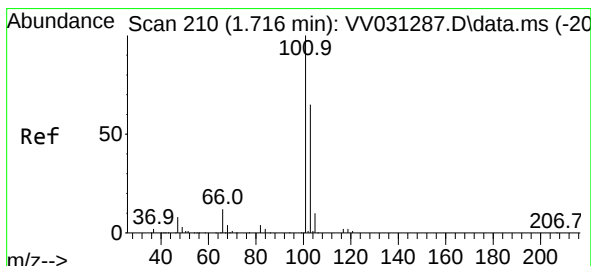
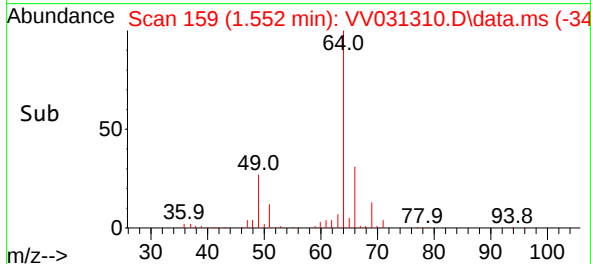
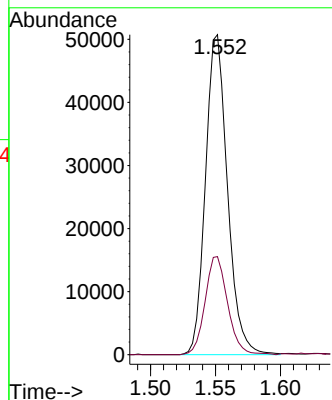
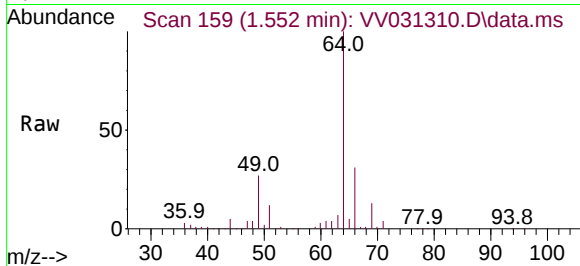




#8
Chloroethane
Concen: 56.500 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39

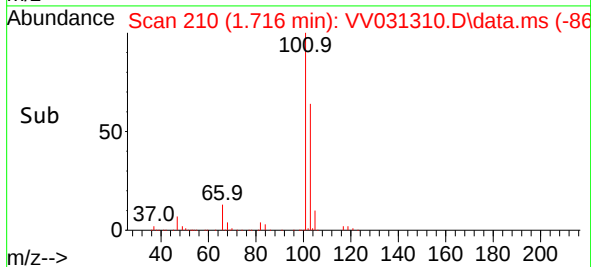
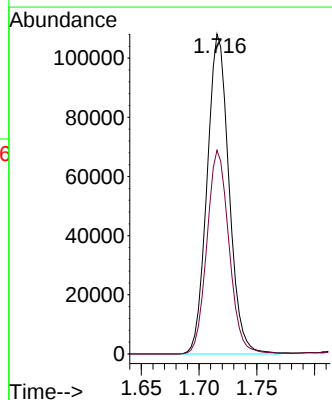
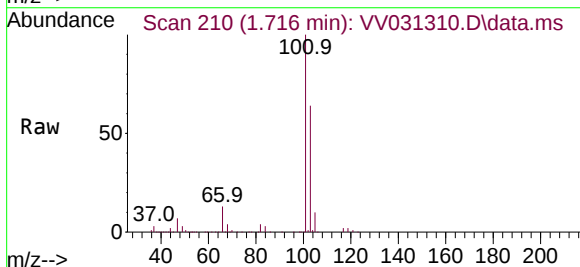
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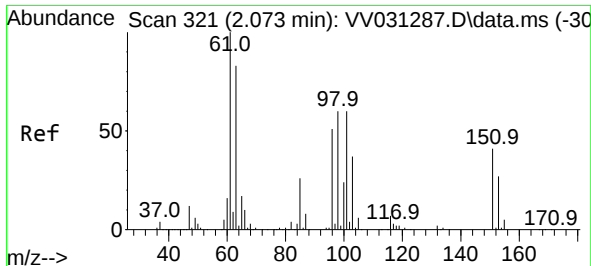
Tgt Ion: 64 Resp: 59937
Ion Ratio Lower Upper
64 100
66 30.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 44.083 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39

Tgt Ion: 101 Resp: 142740
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2

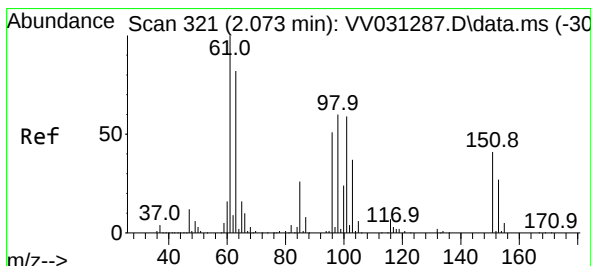
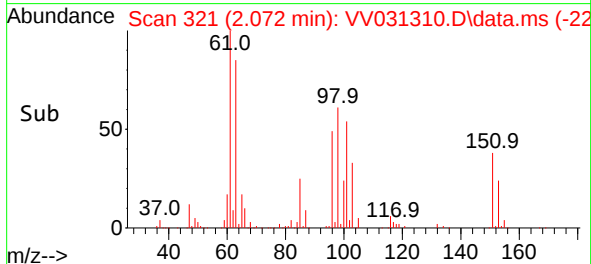
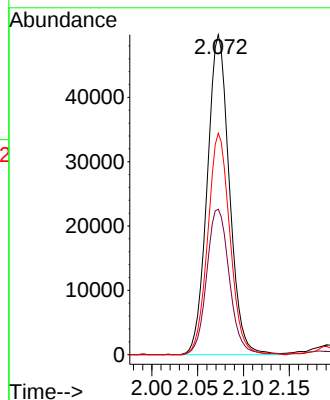
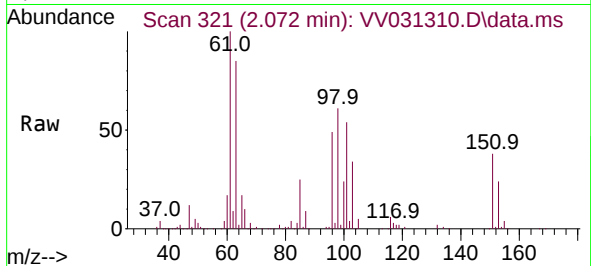




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.959 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV031310.D
 Acq: 31 May 2023 20:39

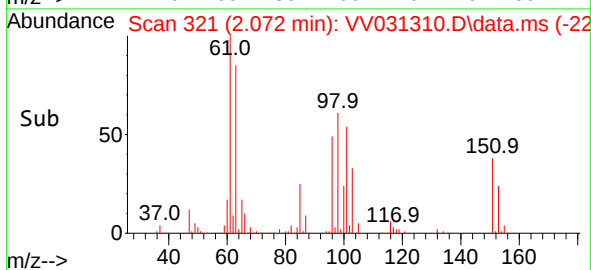
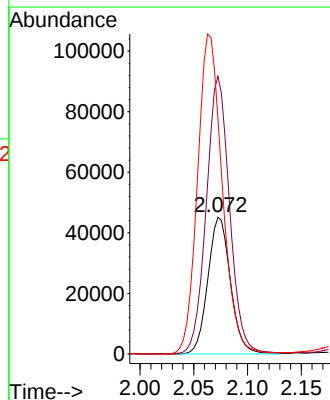
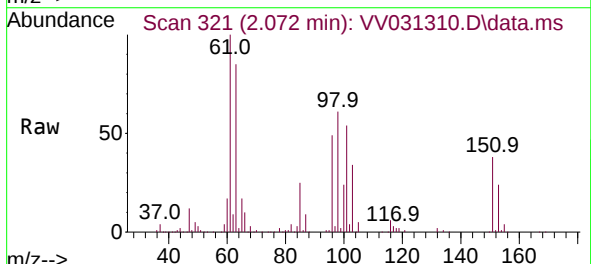
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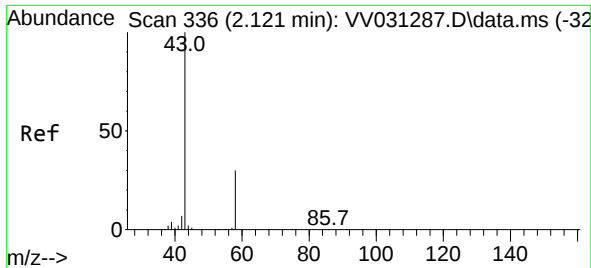
Tgt Ion:101 Resp: 83601
 Ion Ratio Lower Upper
 101 100
 85 46.6 38.0 57.0
 151 69.0 61.7 92.5



#12
 1,1-Dichloroethene
 Concen: 45.575 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV031310.D
 Acq: 31 May 2023 20:39

Tgt Ion: 96 Resp: 66019
 Ion Ratio Lower Upper
 96 100
 61 202.8 137.9 256.1
 63 171.9 114.2 212.0





#13

Acetone

Concen: 89.260 ug/L

RT: 2.121 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031310.D

Acq: 31 May 2023 20:39

Instrument :

MSVOA_V

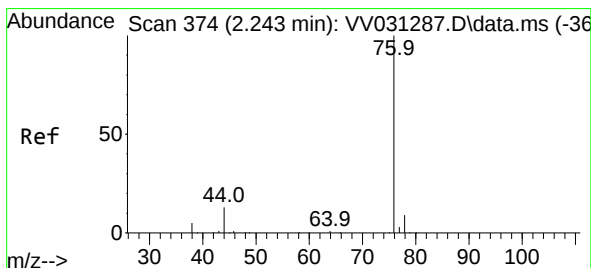
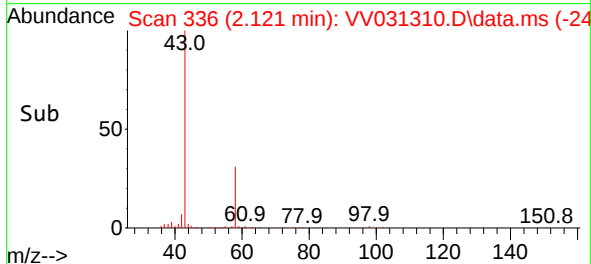
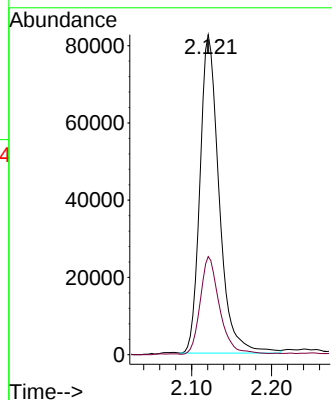
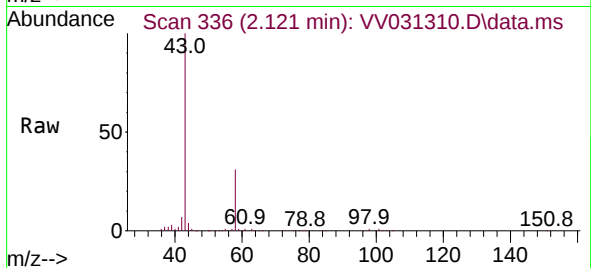
ClientSampleId :

Tgt Ion: 43 Resp: 137805

Ion Ratio Lower Upper

43 100

58 30.9 0.0 54.0



#14

Carbon disulfide

Concen: 48.367 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.003 min

Lab File: VV031310.D

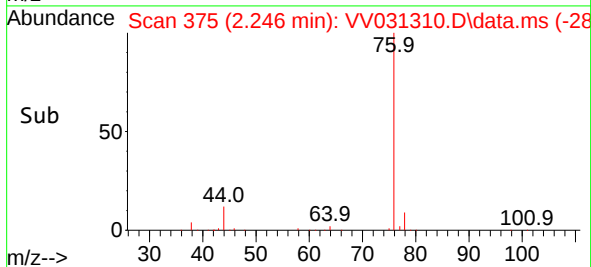
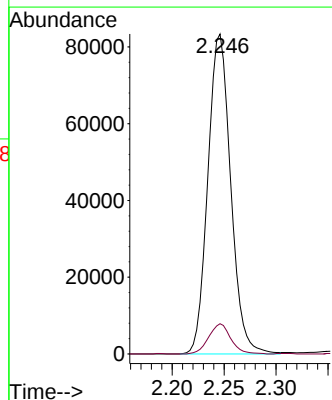
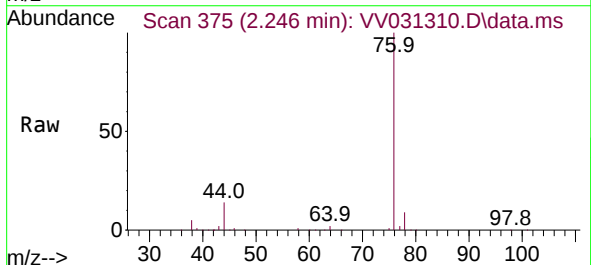
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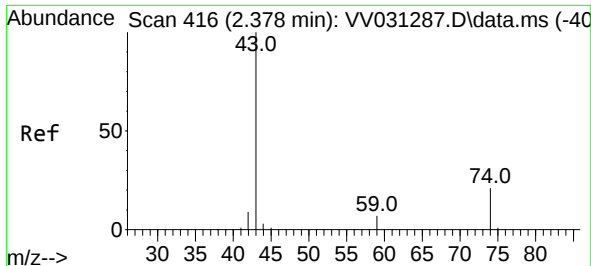
Tgt Ion: 76 Resp: 127677

Ion Ratio Lower Upper

76 100

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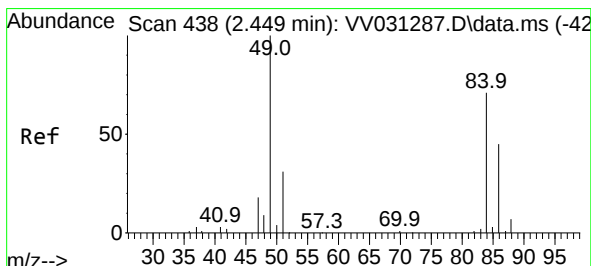
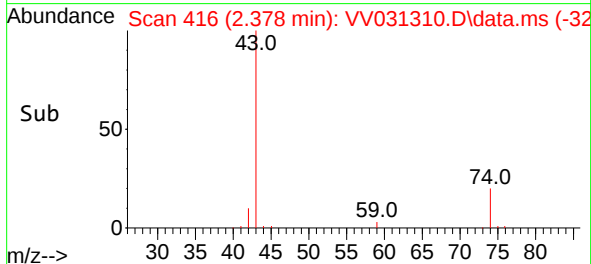
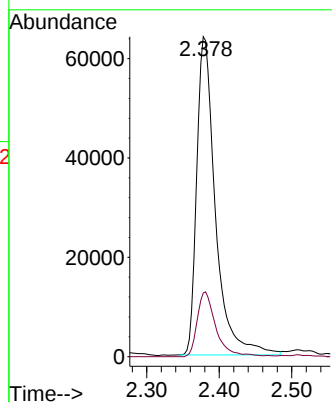
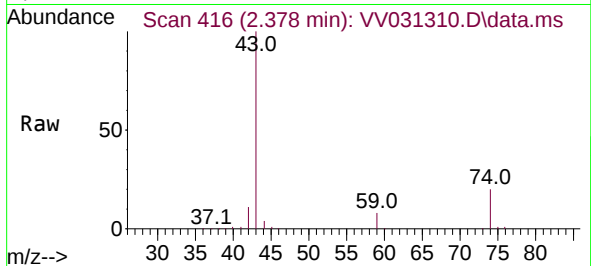




#15
Methyl Acetate
Concen: 65.548 ug/L
RT: 2.378 min Scan# 416
Delta R.T. -0.000 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39

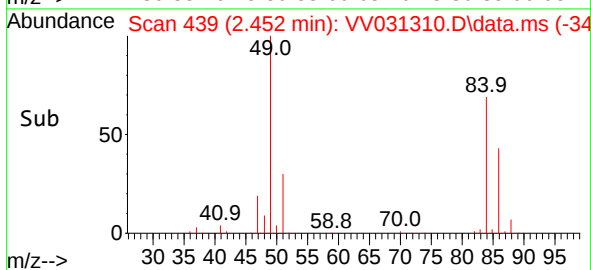
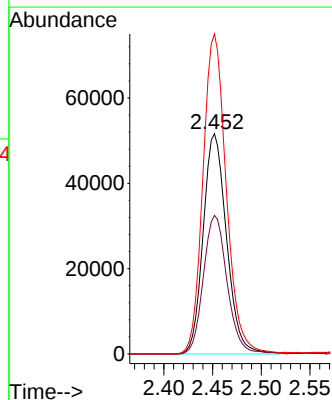
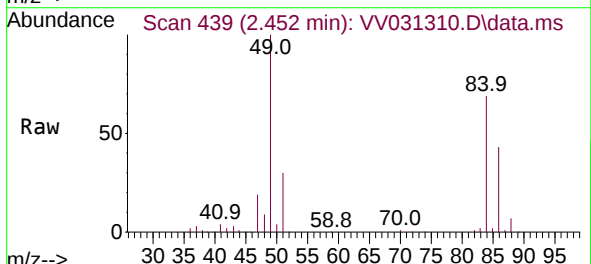
Instrument :
MSVOA_V
ClientSampleId :

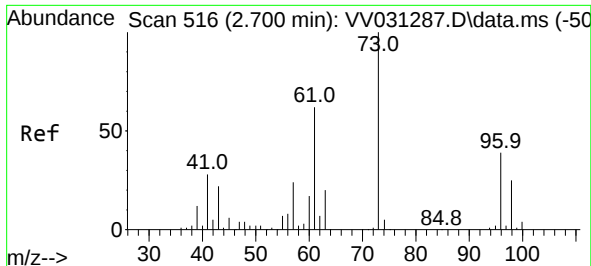
Tgt Ion: 43 Resp: 115013
Ion Ratio Lower Upper
43 100
74 19.7 18.1 27.1



#16
Methylene chloride
Concen: 53.446 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.003 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39

Tgt Ion: 84 Resp: 86190
Ion Ratio Lower Upper
84 100
86 62.9 43.3 80.3
49 145.3 92.6 172.0





#17

trans-1,2-Dichloroethene

Concen: 47.161 ug/L

RT: 2.699 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV031310.D

Acq: 31 May 2023 20:39

Instrument :

MSVOA_V

ClientSampleId :

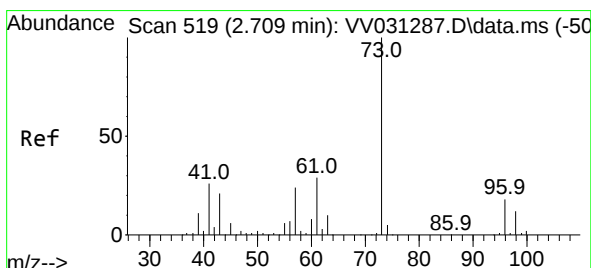
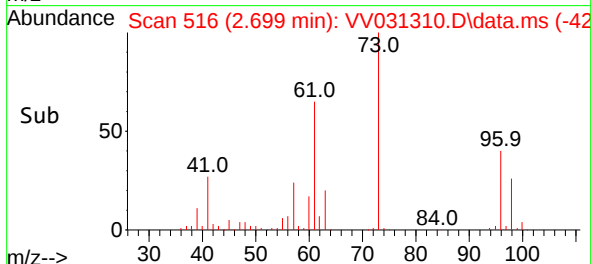
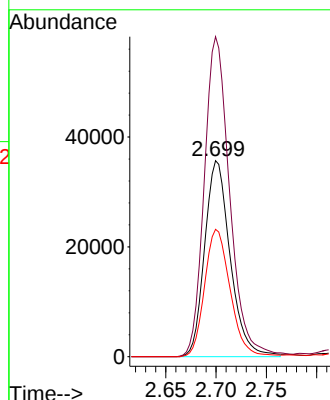
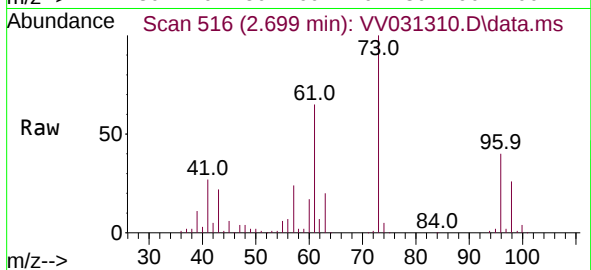
Tgt Ion: 96 Resp: 63163

Ion Ratio Lower Upper

96 100

61 163.2 100.0 185.6

98 65.0 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 53.619 ug/L

RT: 2.712 min Scan# 520

Delta R.T. 0.003 min

Lab File: VV031310.D

Acq: 31 May 2023 20:39

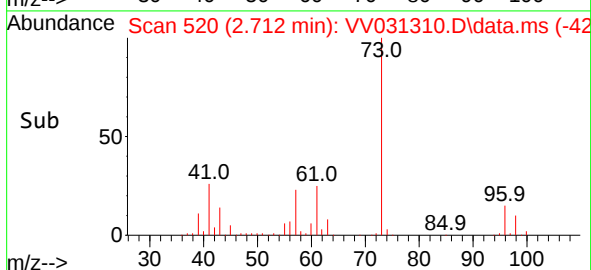
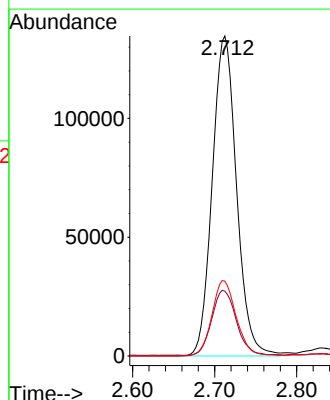
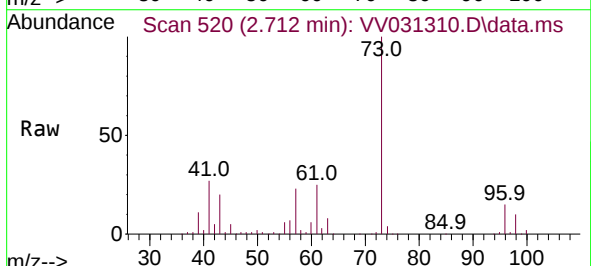
Tgt Ion: 73 Resp: 277413

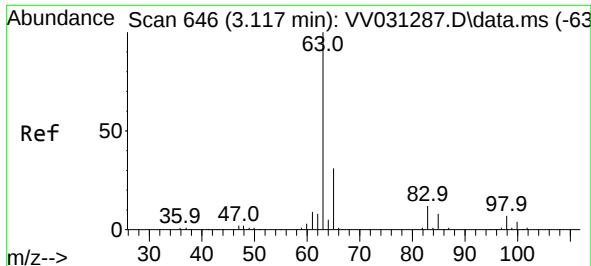
Ion Ratio Lower Upper

73 100

43 20.6 19.4 29.2

57 23.5 17.1 25.7





#19

1,1-Dichloroethane

Concen: 56.694 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV031310.D

Acq: 31 May 2023 20:39

Instrument :

MSVOA_V

ClientSampleId :

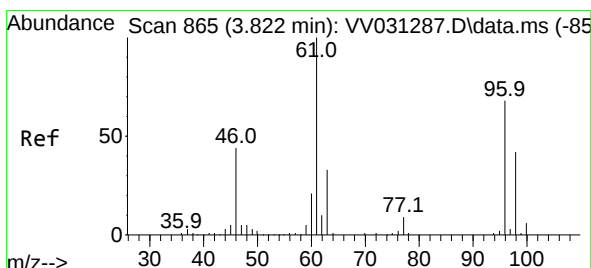
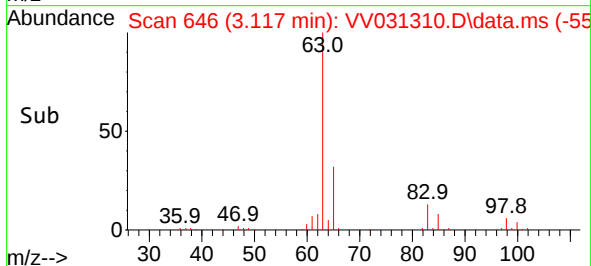
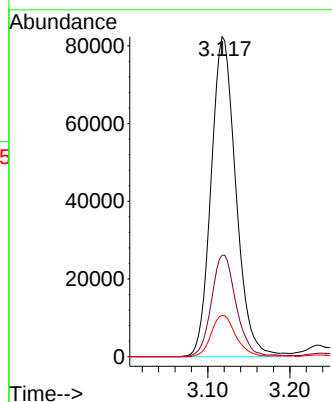
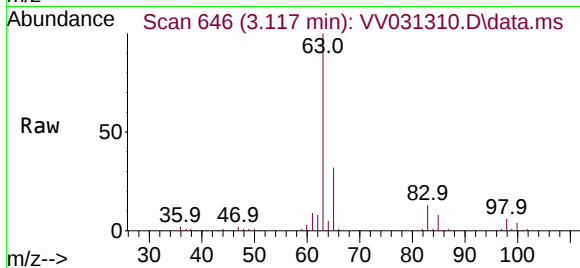
Tgt Ion: 63 Resp: 173044

Ion Ratio Lower Upper

63 100

65 31.7 21.9 40.7

83 12.9 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 49.488 ug/L

RT: 3.822 min Scan# 865

Delta R.T. -0.000 min

Lab File: VV031310.D

Acq: 31 May 2023 20:39

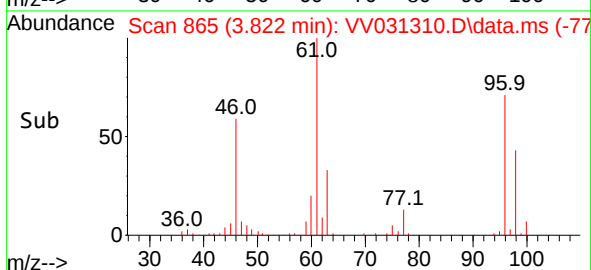
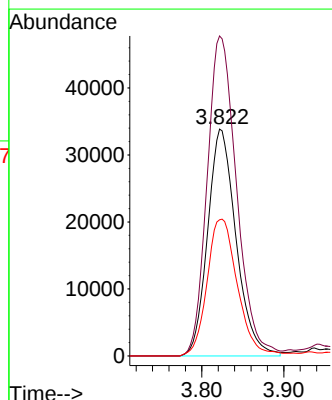
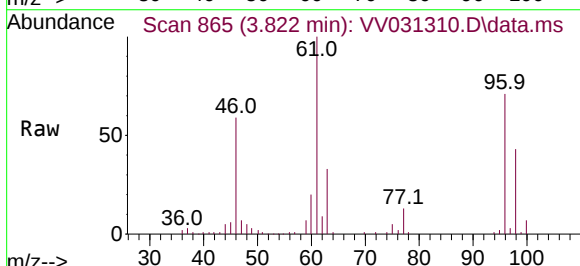
Tgt Ion: 96 Resp: 81706

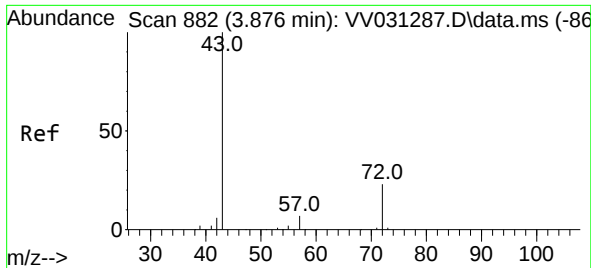
Ion Ratio Lower Upper

96 100

61 141.0 89.2 165.6

98 60.0 43.0 80.0

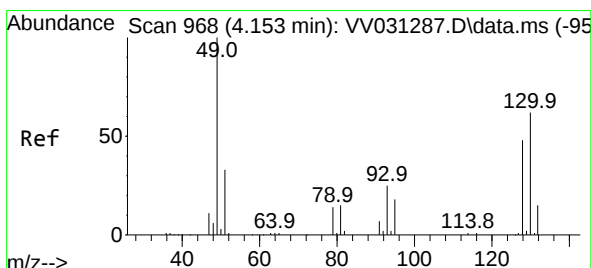
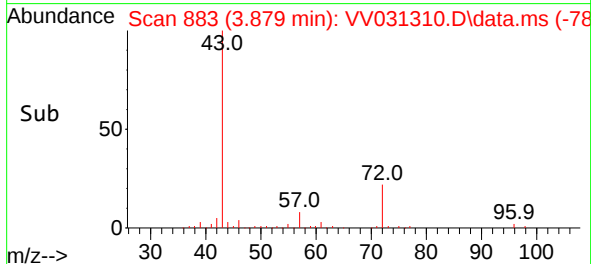
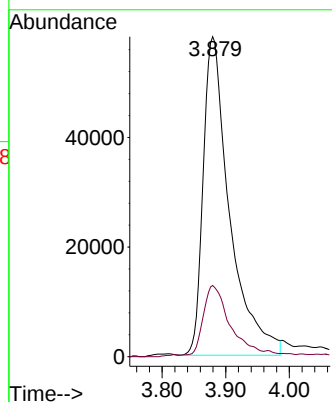
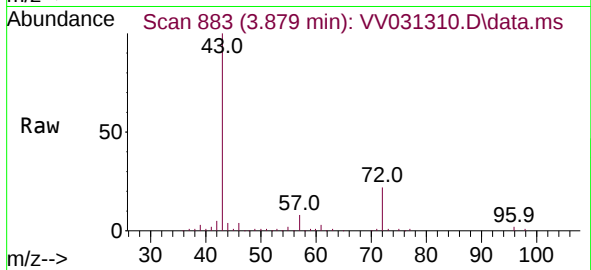




#22
2-Butanone
Concen: 113.463 ug/L
RT: 3.879 min Scan# 882
Delta R.T. 0.003 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39

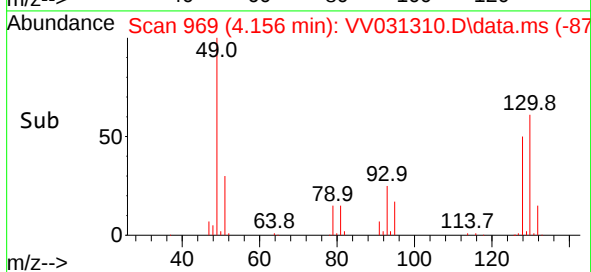
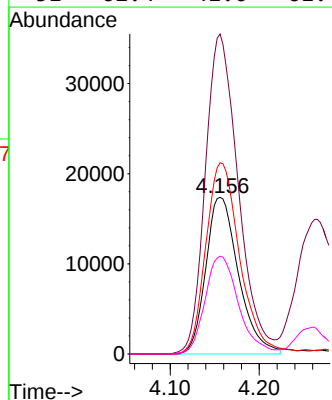
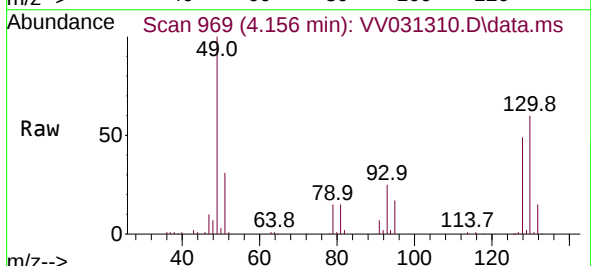
Instrument :
MSVOA_V
ClientSampleId :

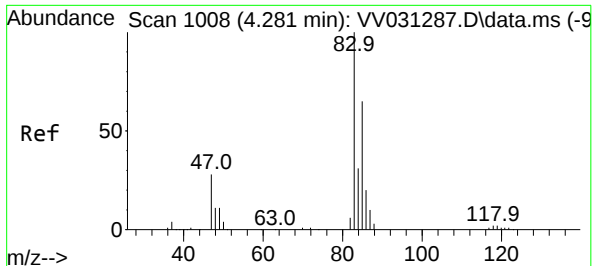
Tgt Ion: 43 Resp: 167981
Ion Ratio Lower Upper
43 100
72 21.8 11.9 35.7



#23
Bromochloromethane
Concen: 48.857 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.003 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39

Tgt Ion:128 Resp: 44327
Ion Ratio Lower Upper
128 100
49 204.4 113.2 210.2
130 122.1 87.5 162.5
51 62.4 41.0 61.4#





#25

Chloroform

Concen: 54.769 ug/L

RT: 4.285 min Scan# 1008

Delta R.T. 0.003 min

Lab File: VV031310.D

Acq: 31 May 2023 20:39

Instrument :

MSVOA_V

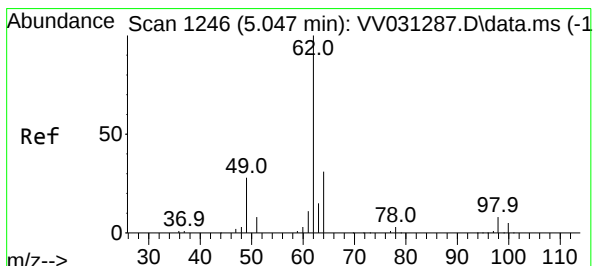
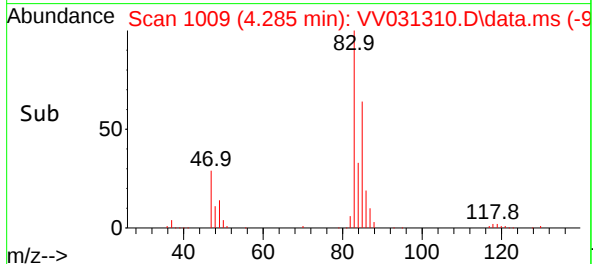
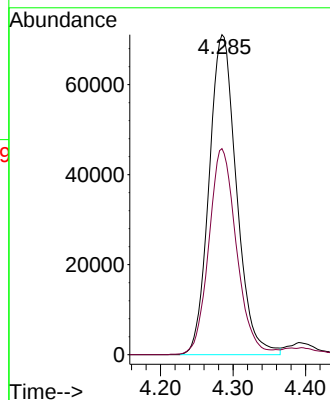
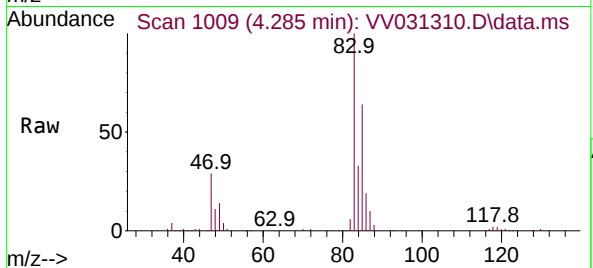
ClientSampleId :

Tgt Ion: 83 Resp: 186744

Ion Ratio Lower Upper

83 100

85 64.4 47.3 87.9



#27

1,2-Dichloroethane

Concen: 48.211 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.003 min

Lab File: VV031310.D

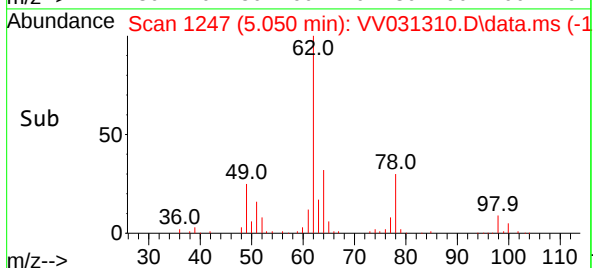
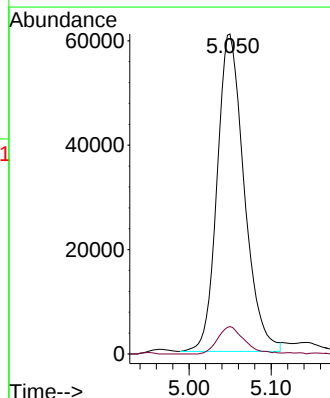
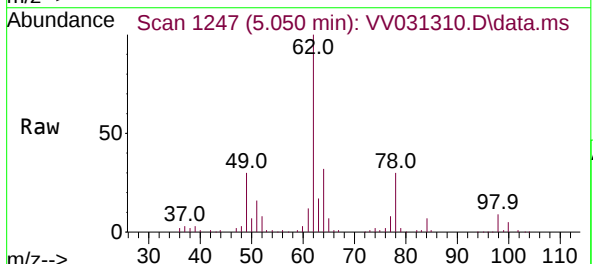
Acq: 31 May 2023 20:39

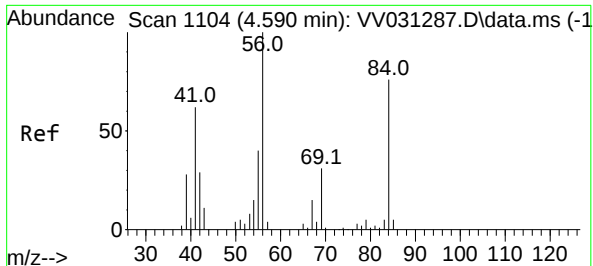
Tgt Ion: 62 Resp: 139472

Ion Ratio Lower Upper

62 100

98 8.5 6.3 9.5





#29

Cyclohexane

Concen: 50.664 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VV031310.D

Acq: 31 May 2023 20:39

Instrument :

MSVOA_V

ClientSampleId :

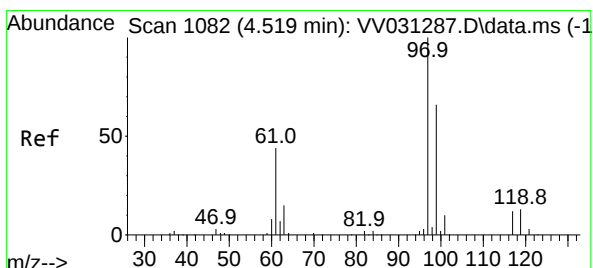
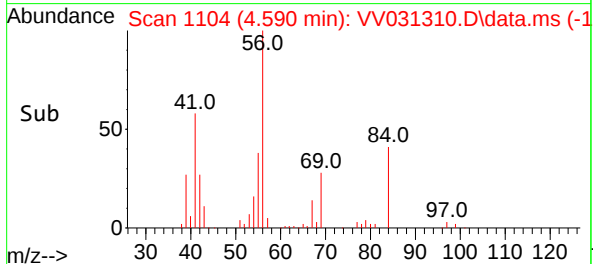
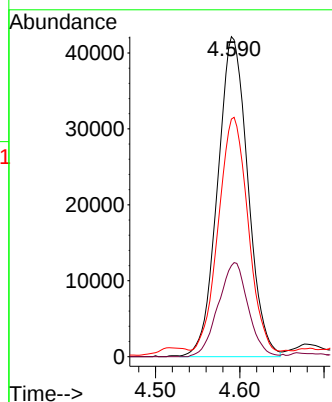
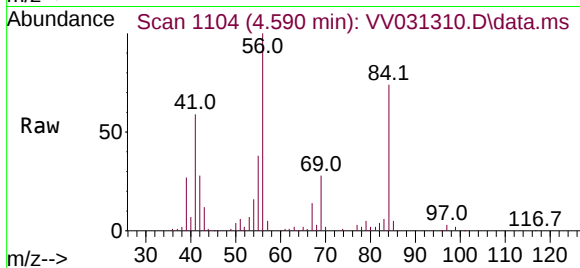
Tgt Ion: 56 Resp: 105164

Ion Ratio Lower Upper

56 100

69 29.0 25.1 37.7

84 70.9 71.5 107.3#



#30

1,1,1-Trichloroethane

Concen: 46.304 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.000 min

Lab File: VV031310.D

Acq: 31 May 2023 20:39

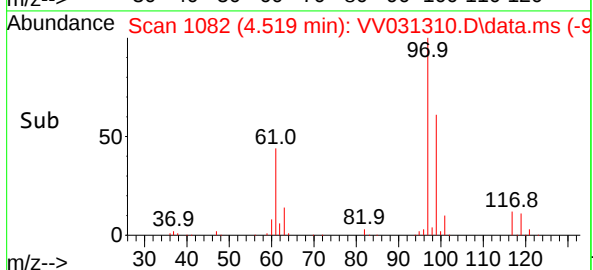
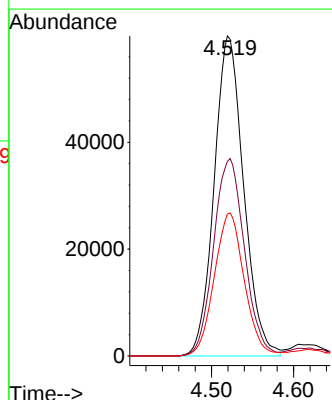
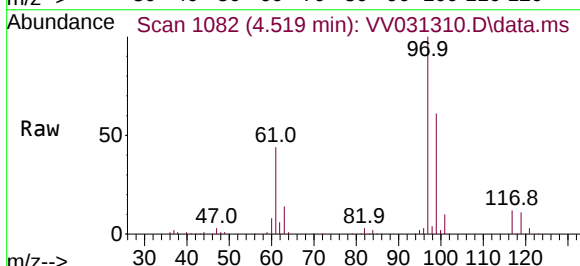
Tgt Ion: 97 Resp: 149882

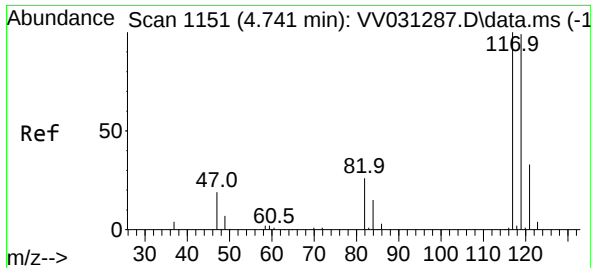
Ion Ratio Lower Upper

97 100

99 64.5 51.9 77.9

61 45.6 38.2 57.2

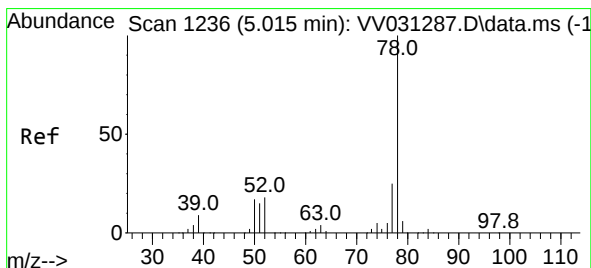
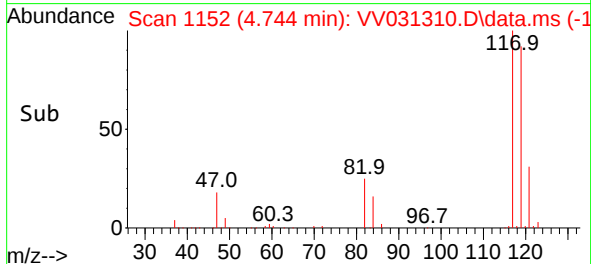
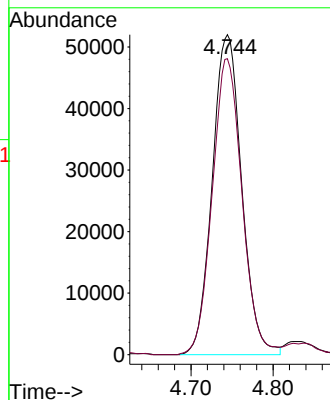
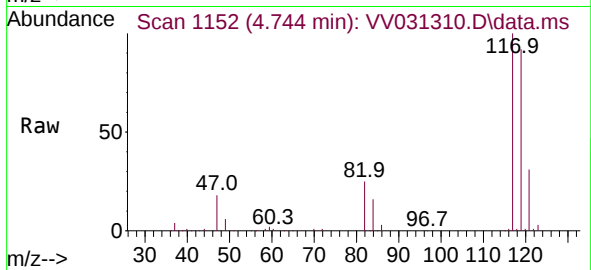




#31
Carbon tetrachloride
Concen: 45.989 ug/L
RT: 4.744 min Scan# 1151
Delta R.T. 0.003 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39

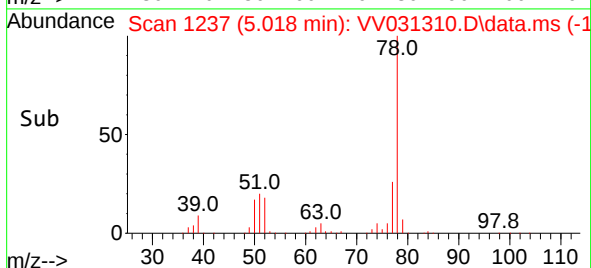
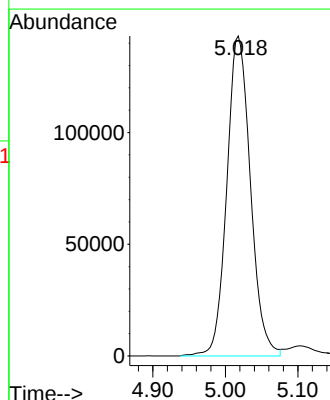
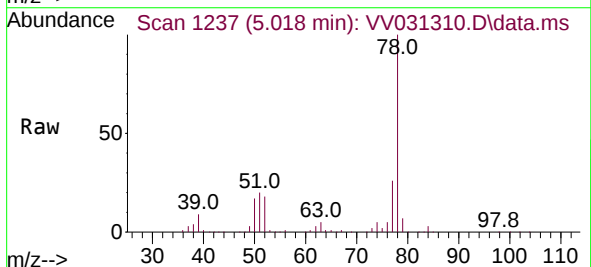
Instrument :
MSVOA_V
ClientSampleId :

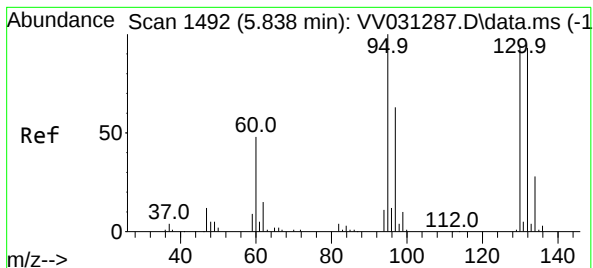
Tgt Ion:117 Resp: 129685
Ion Ratio Lower Upper
117 100
119 93.6 76.9 115.3



#33
Benzene
Concen: 51.382 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.003 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39

Tgt Ion: 78 Resp: 324709





#34

Trichloroethene

Concen: 51.981 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.003 min

Lab File: VV031310.D

Acq: 31 May 2023 20:39

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 88019

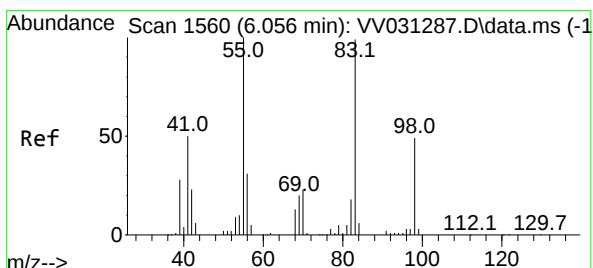
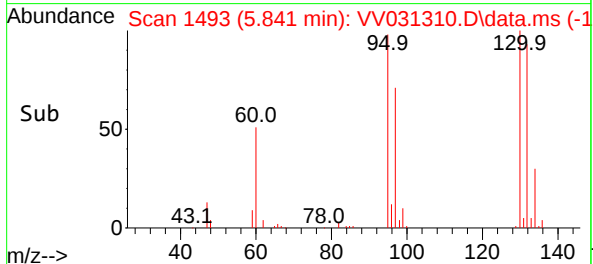
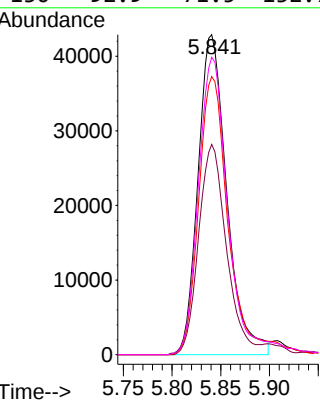
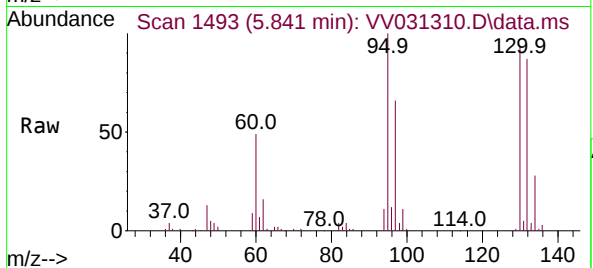
Ion Ratio Lower Upper

95 100

97 65.7 44.4 82.5

132 86.9 70.2 130.4

130 92.9 71.5 132.7



#35

Methylcyclohexane

Concen: 47.891 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. 0.003 min

Lab File: VV031310.D

Acq: 31 May 2023 20:39

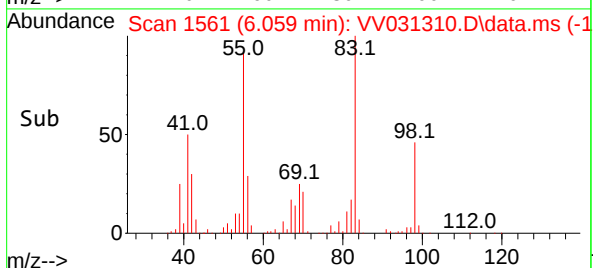
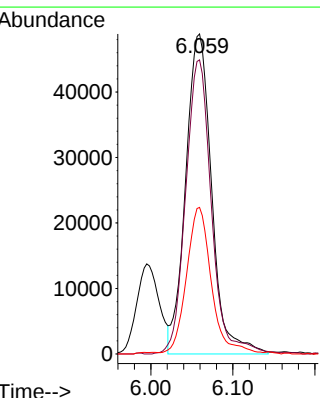
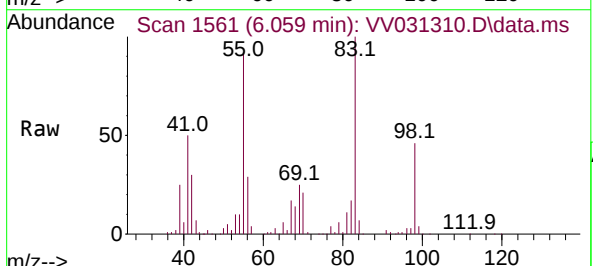
Tgt Ion: 83 Resp: 107608

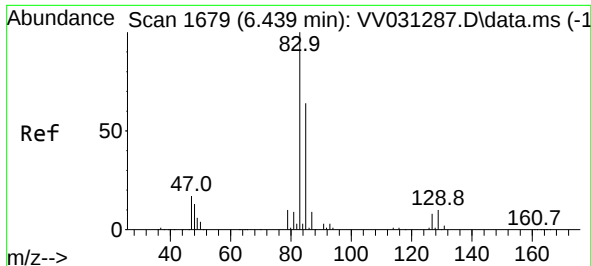
Ion Ratio Lower Upper

83 100

55 91.0 64.2 96.2

98 44.0 40.0 60.0

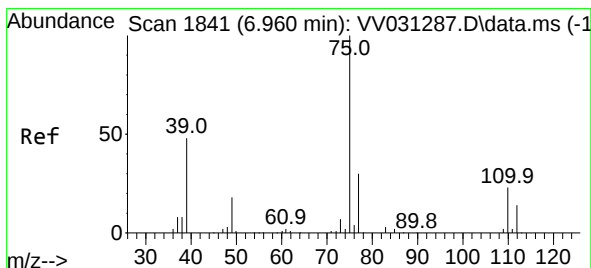
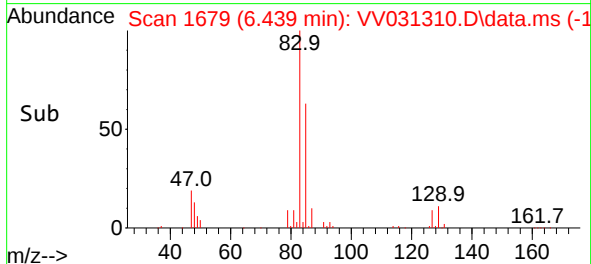
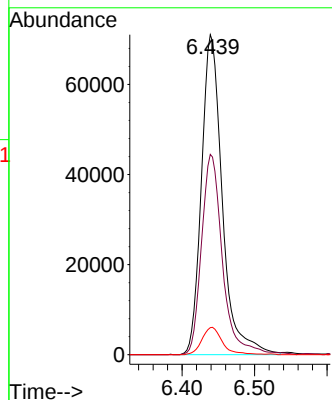
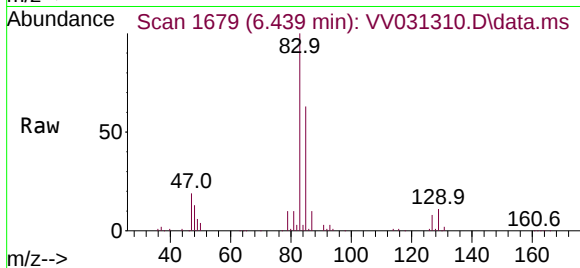




#38
Bromodichloromethane
Concen: 52.789 ug/L
RT: 6.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39

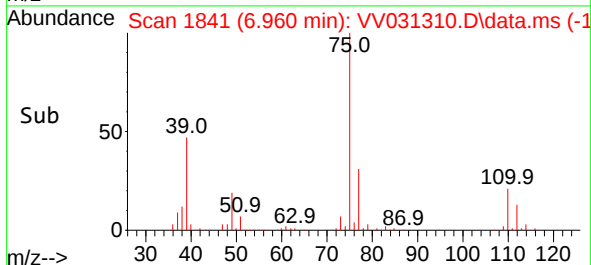
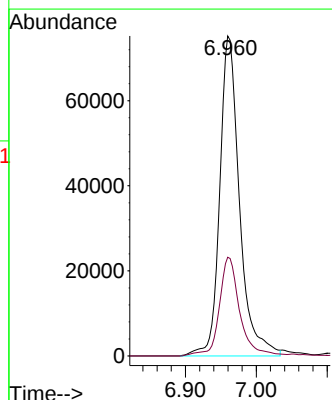
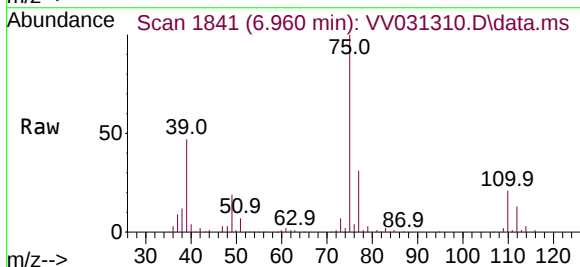
Instrument :
MSVOA_V
ClientSampleId :

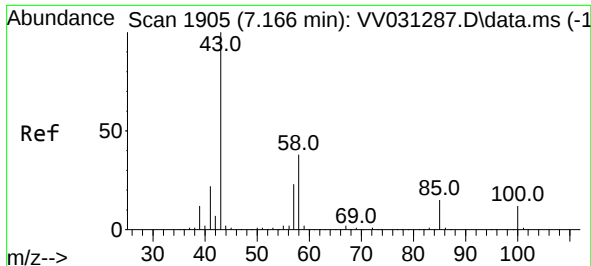
Tgt Ion: 83 Resp: 142337
Ion Ratio Lower Upper
83 100
85 62.6 44.0 81.6
127 8.5 6.9 10.3



#39
cis-1,3-Dichloropropene
Concen: 54.430 ug/L
RT: 6.960 min Scan# 1841
Delta R.T. -0.000 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39

Tgt Ion: 75 Resp: 145989
Ion Ratio Lower Upper
75 100
77 30.9 22.3 41.3





#40

4-Methyl-2-pentanone

Concen: 124.747 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VV031310.D

Acq: 31 May 2023 20:39

Instrument :

MSVOA_V

ClientSampleId :

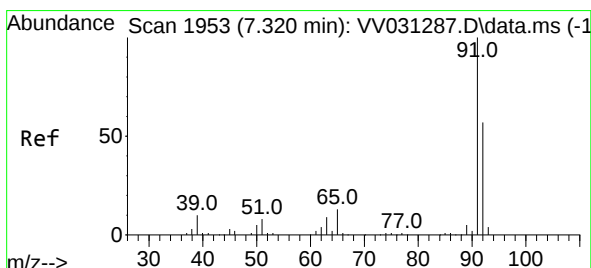
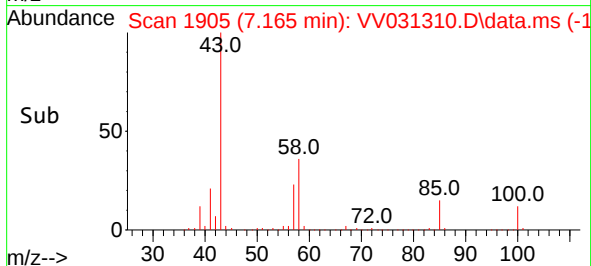
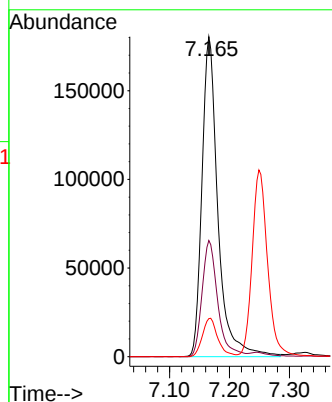
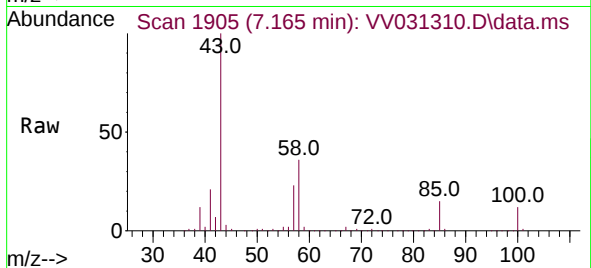
Tgt Ion: 43 Resp: 333891

Ion Ratio Lower Upper

43 100

58 35.7 29.0 43.4

100 11.6 12.2 18.4#



#42

Toluene

Concen: 50.992 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VV031310.D

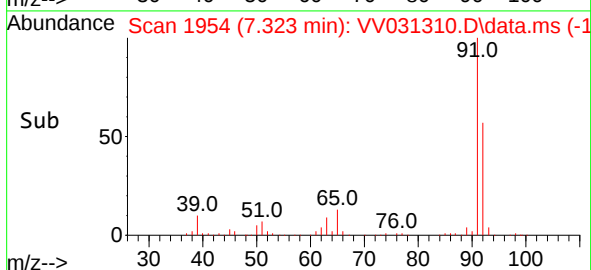
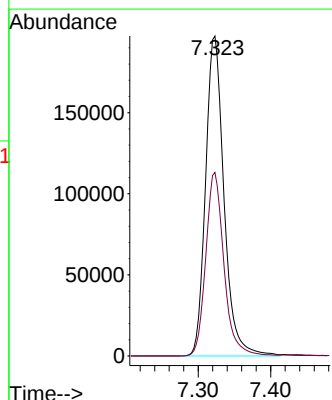
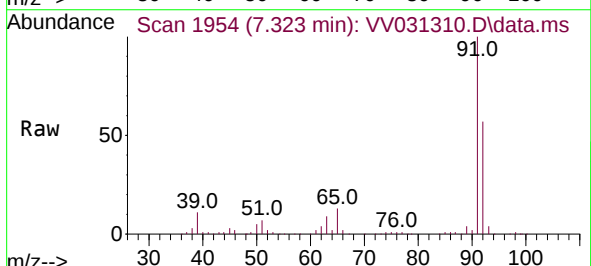
Acq: 31 May 2023 20:39

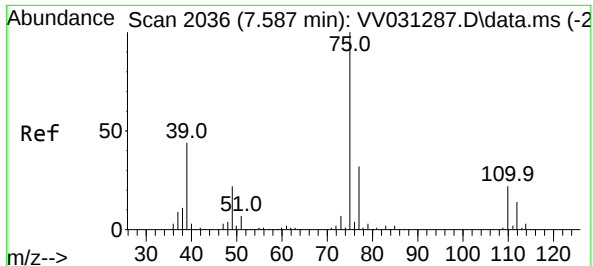
Tgt Ion: 91 Resp: 348646

Ion Ratio Lower Upper

91 100

92 57.4 40.9 76.0

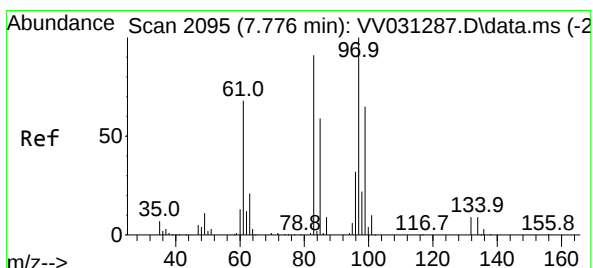
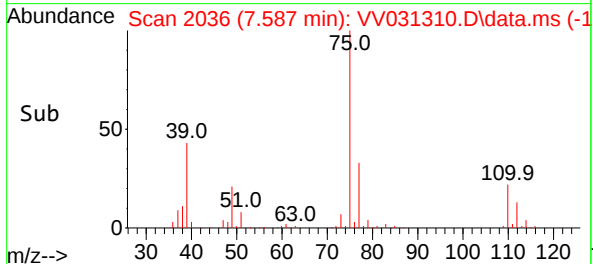
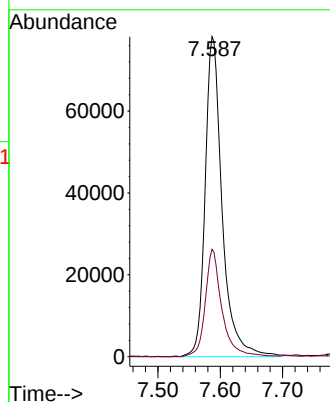
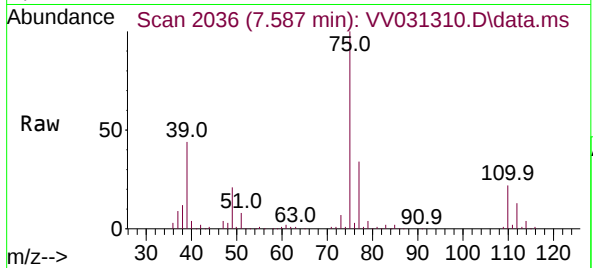




#44
trans-1,3-Dichloropropene
Concen: 54.645 ug/L
RT: 7.587 min Scan# 2036
Delta R.T. -0.000 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39

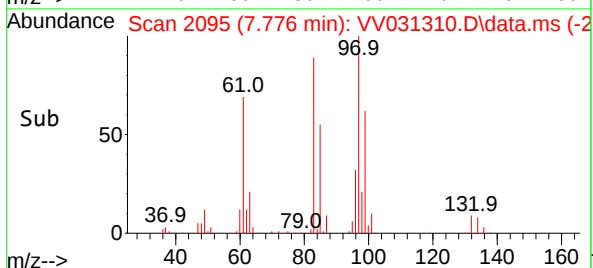
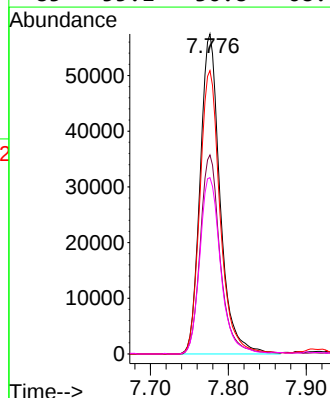
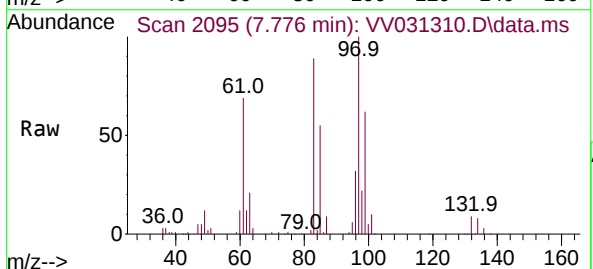
Instrument :
MSVOA_V
ClientSampleId :

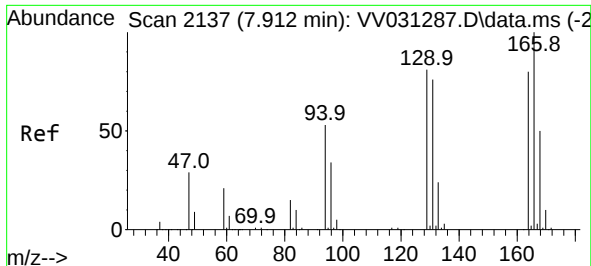
Tgt Ion: 75 Resp: 148268
Ion Ratio Lower Upper
75 100
77 33.6 22.2 41.2



#45
1,1,2-Trichloroethane
Concen: 53.773 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. -0.000 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39

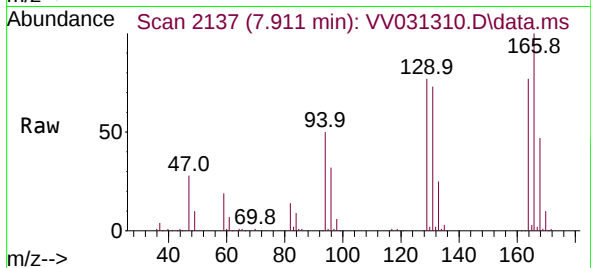
Tgt Ion: 97 Resp: 102063
Ion Ratio Lower Upper
97 100
99 62.2 43.2 80.2
83 88.6 60.5 112.3
85 55.1 36.8 68.4



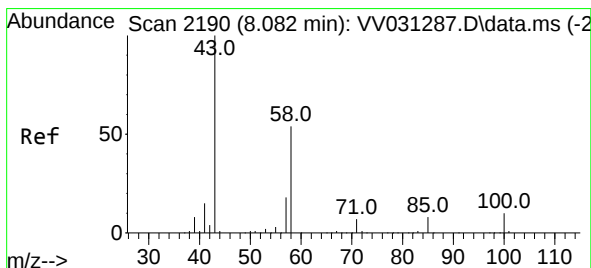
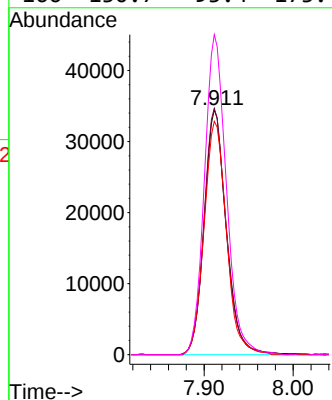
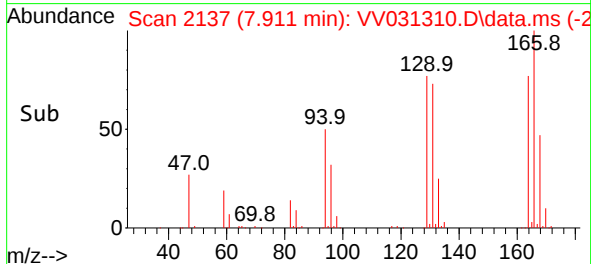


#46
Tetrachloroethene
Concen: 40.871 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39

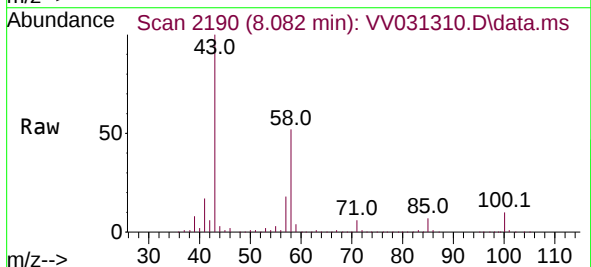
Instrument :
MSVOA_V
ClientSampleId :



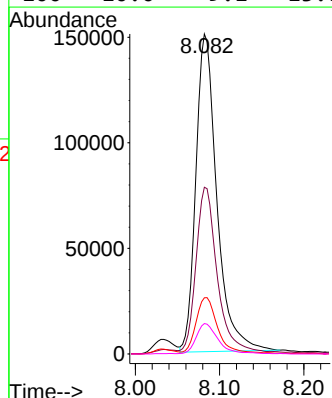
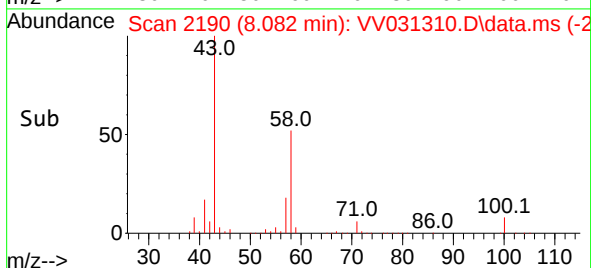
Tgt	Ion:164	Resp:	59427
Ion	Ratio	Lower	Upper
164	100		
129	100.6	65.5	121.7
131	95.2	62.1	115.3
166	130.7	93.4	173.4

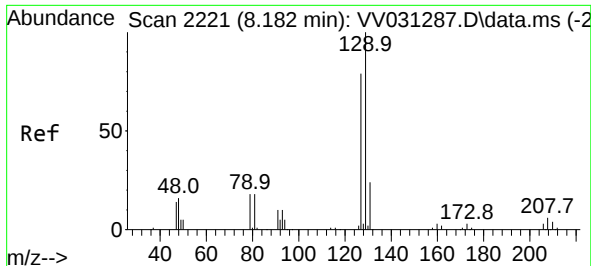


#48
2-Hexanone
Concen: 117.355 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39



Tgt	Ion: 43	Resp:	261619
Ion	Ratio	Lower	Upper
43	100		
58	51.8	39.8	59.6
57	17.6	14.4	21.6
100	10.0	9.1	13.7





#49

Dibromochloromethane

Concen: 48.816 ug/L

RT: 8.185 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031310.D

Acq: 31 May 2023 20:39

Instrument :

MSVOA_V

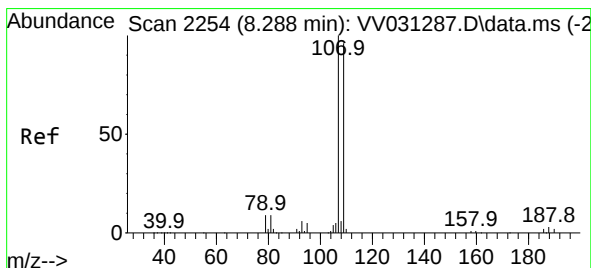
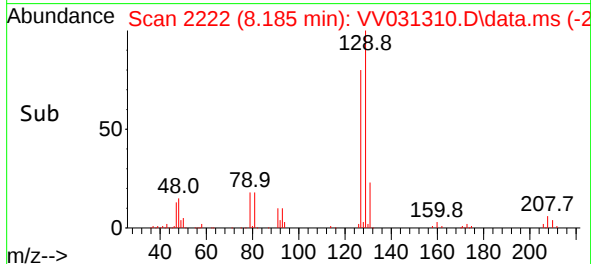
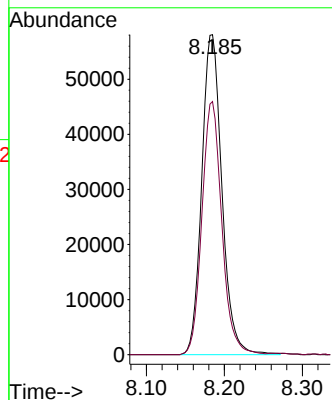
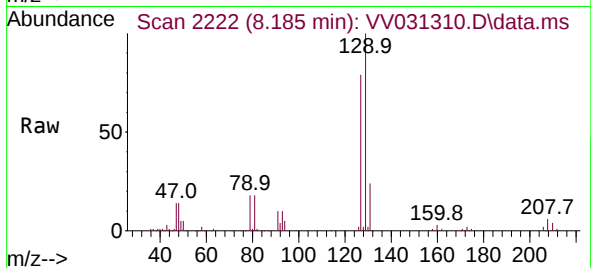
ClientSampleId :

Tgt Ion:129 Resp: 104540

Ion Ratio Lower Upper

129 100

127 79.1 56.1 104.1



#50

1,2-Dibromoethane

Concen: 54.395 ug/L

RT: 8.288 min Scan# 2254

Delta R.T. -0.000 min

Lab File: VV031310.D

Acq: 31 May 2023 20:39

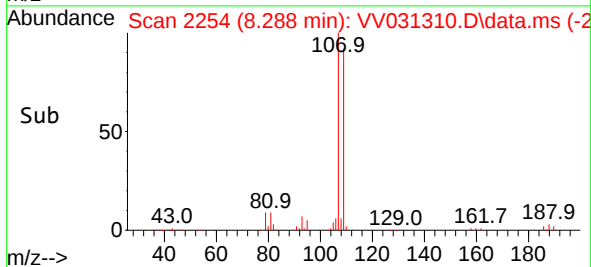
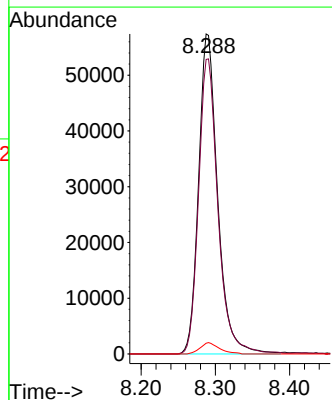
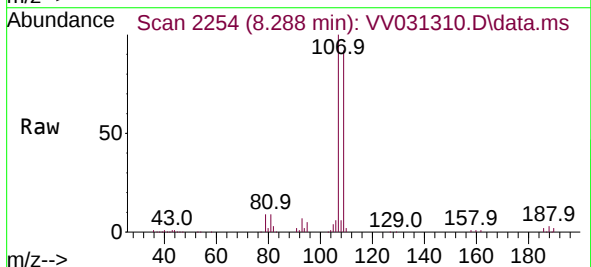
Tgt Ion:107 Resp: 102648

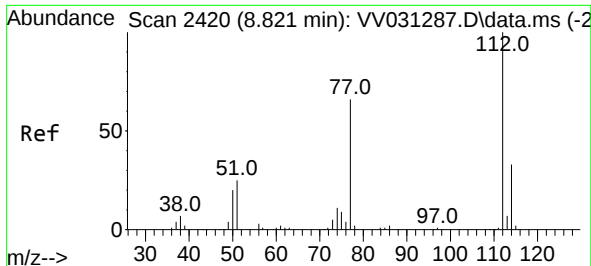
Ion Ratio Lower Upper

107 100

109 92.0 65.6 121.8

188 3.4 3.8 5.6#





#51

Chlorobenzene

Concen: 46.551 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV031310.D

Acq: 31 May 2023 20:39

Instrument :

MSVOA_V

ClientSampleId :

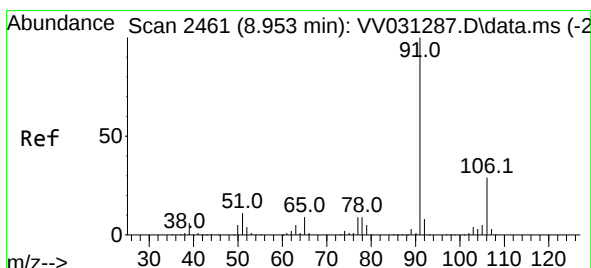
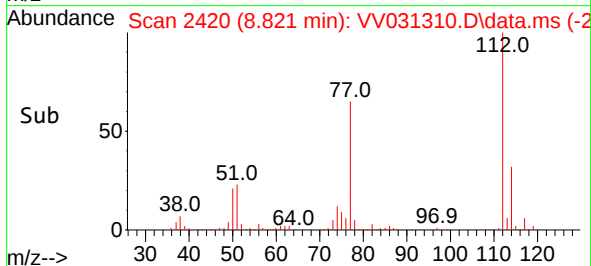
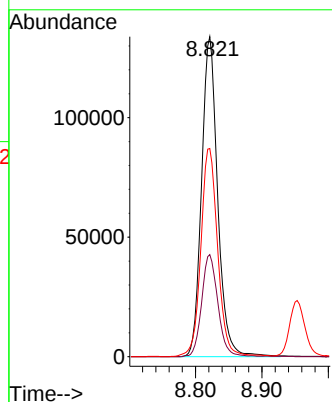
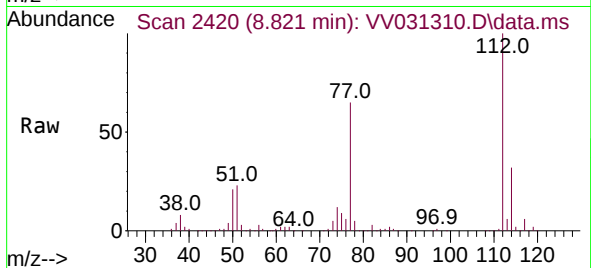
Tgt Ion:112 Resp: 226539

Ion Ratio Lower Upper

112 100

114 31.9 23.0 42.8

77 65.1 46.2 69.4



#52

Ethylbenzene

Concen: 48.909 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. -0.000 min

Lab File: VV031310.D

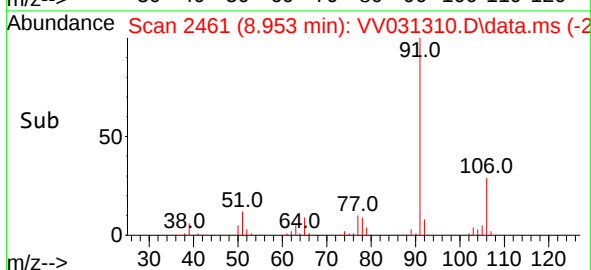
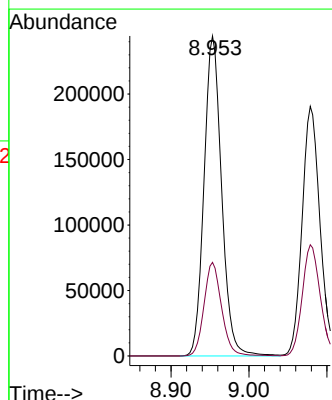
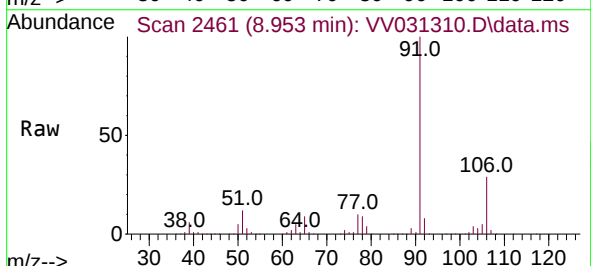
Acq: 31 May 2023 20:39

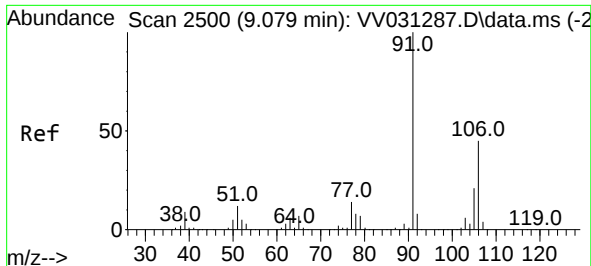
Tgt Ion: 91 Resp: 382866

Ion Ratio Lower Upper

91 100

106 29.3 21.5 39.9

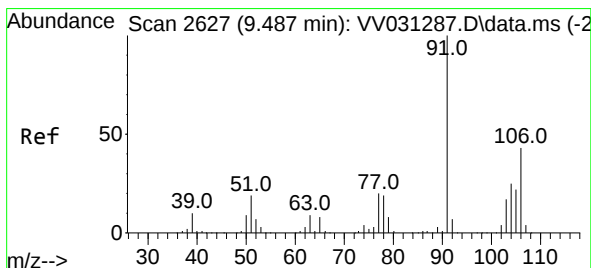
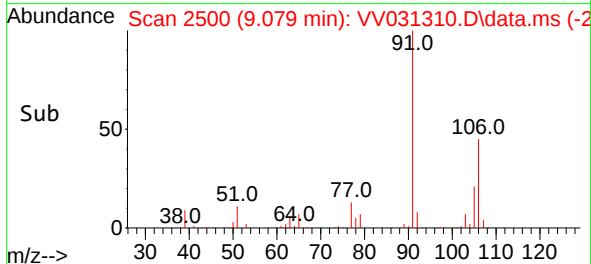
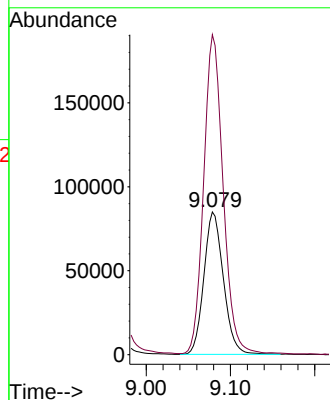
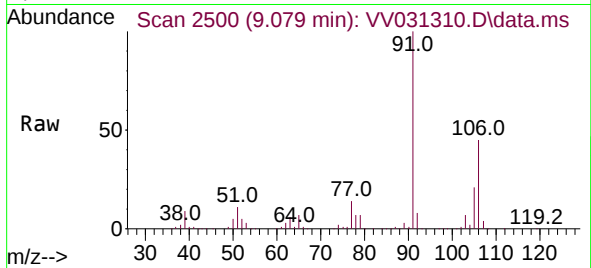




#53
m,p-Xylene
Concen: 45.073 ug/L
RT: 9.079 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39

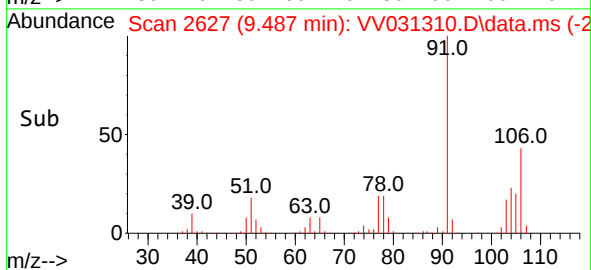
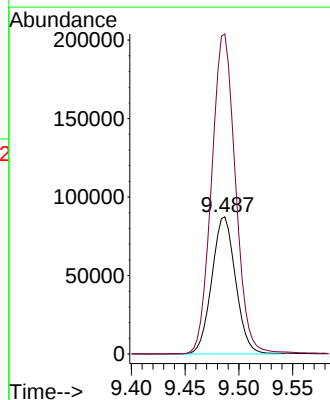
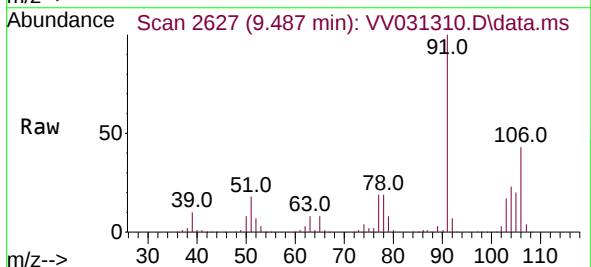
Instrument :
MSVOA_V
ClientSampleId :

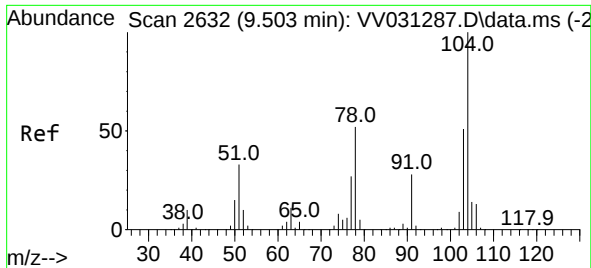
Tgt Ion:106 Resp: 136868
Ion Ratio Lower Upper
106 100
91 224.3 145.3 269.8



#54
o-Xylene
Concen: 44.883 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39

Tgt Ion:106 Resp: 134453
Ion Ratio Lower Upper
106 100
91 233.4 150.4 279.2

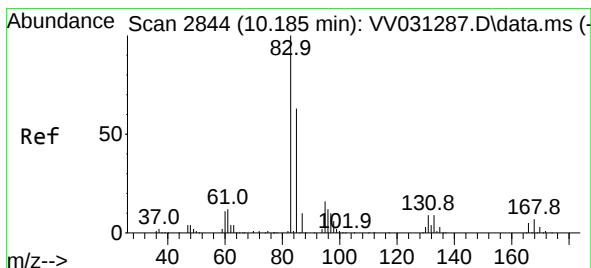
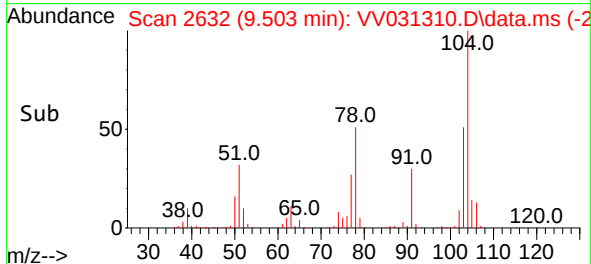
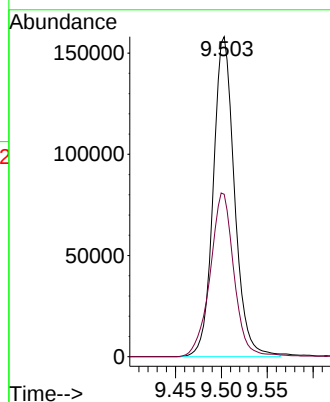
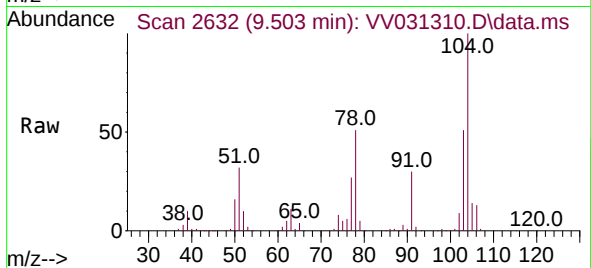




#55
Styrene
Concen: 48.177 ug/L
RT: 9.503 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39

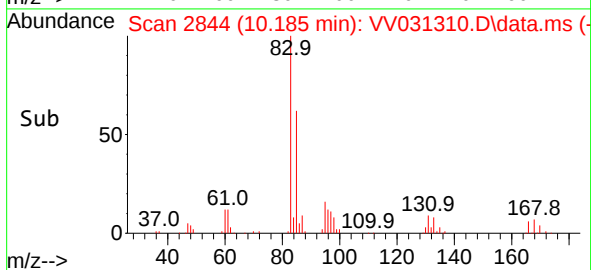
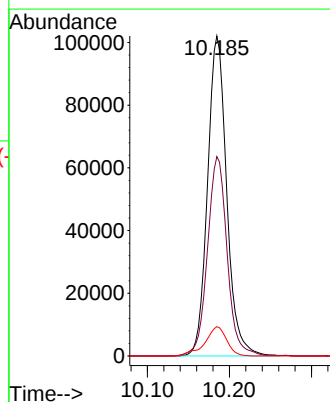
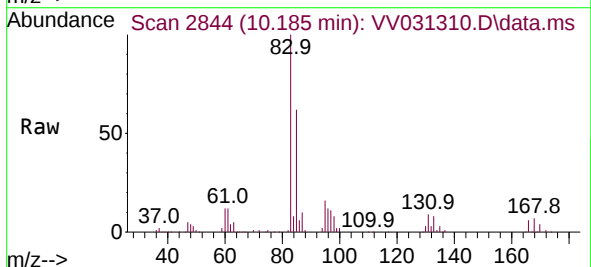
Instrument :
MSVOA_V
ClientSampleId :

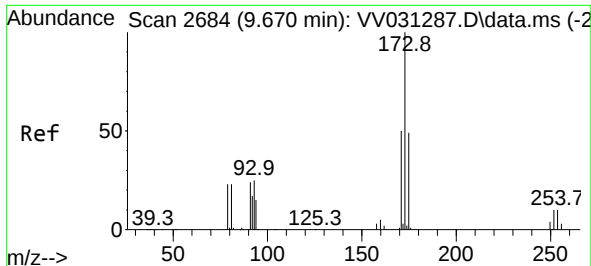
Tgt Ion:104 Resp: 255244
Ion Ratio Lower Upper
104 100
78 50.7 33.2 61.6



#57
1,1,2,2-Tetrachloroethane
Concen: 53.151 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39

Tgt Ion: 83 Resp: 165757
Ion Ratio Lower Upper
83 100
85 62.3 45.0 83.6
131 9.1 9.2 13.8#

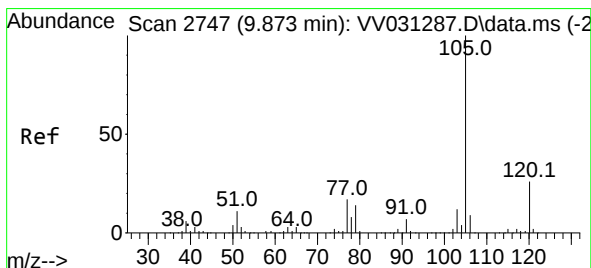
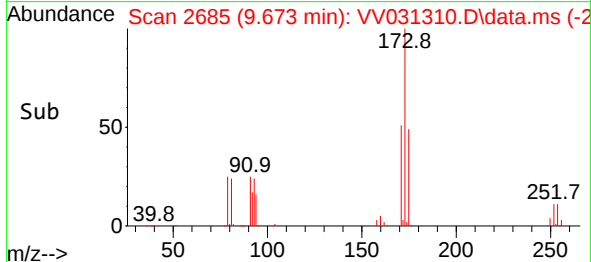
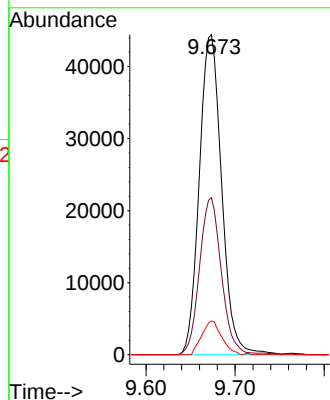
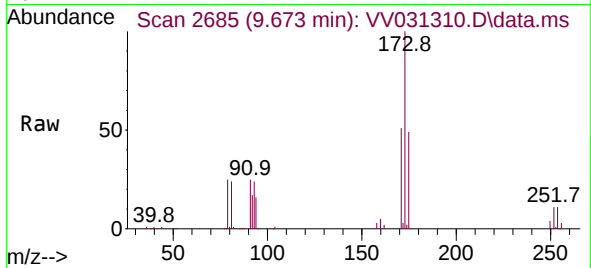




#59
Bromoform
Concen: 45.371 ug/L
RT: 9.673 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39

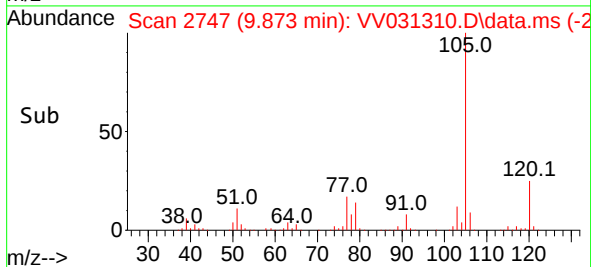
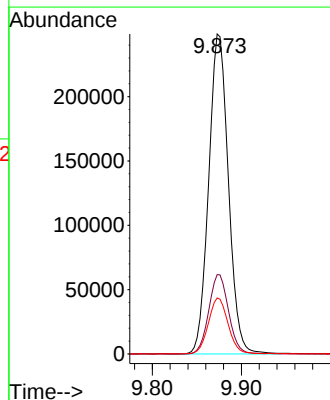
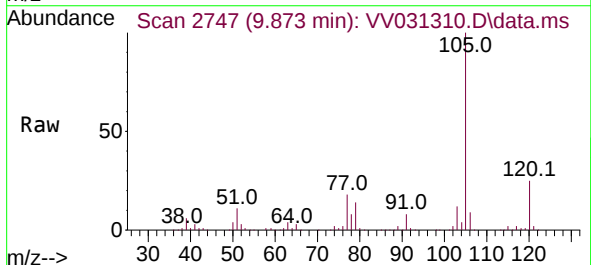
Instrument :
MSVOA_V
ClientSampleId :

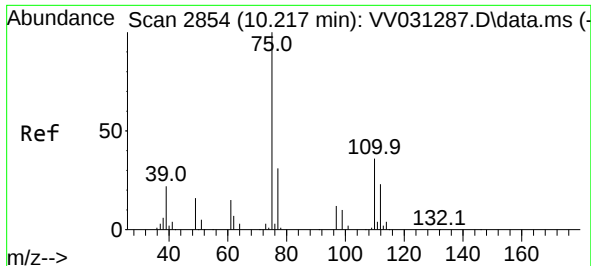
Tgt Ion:173	Resp:	77330
Ion Ratio	Lower	Upper
173	100	
175	47.9	38.8 58.2
254	9.3	8.8 13.2



#60
Isopropylbenzene
Concen: 48.586 ug/L
RT: 9.873 min Scan# 2747
Delta R.T. -0.000 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39

Tgt Ion:105	Resp:	381953
Ion Ratio	Lower	Upper
105	100	
120	24.9	21.4 32.0
77	17.4	13.0 19.6

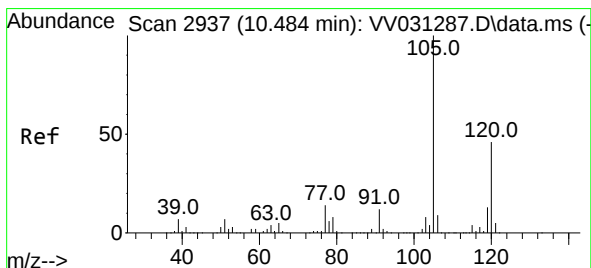
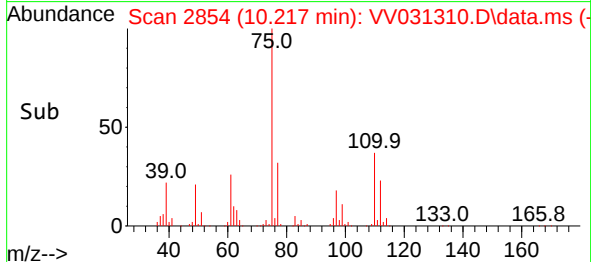
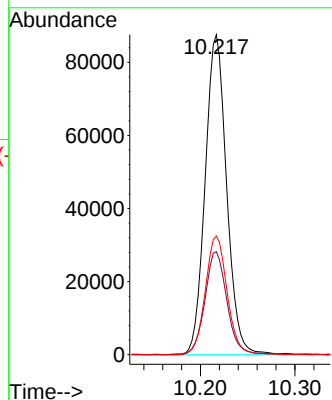
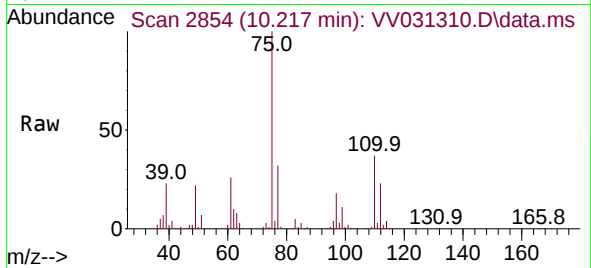




#61
1,2,3-Trichloropropane
Concen: 61.062 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39

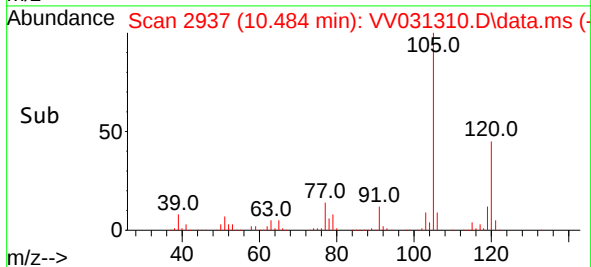
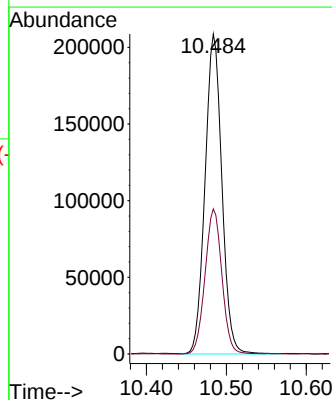
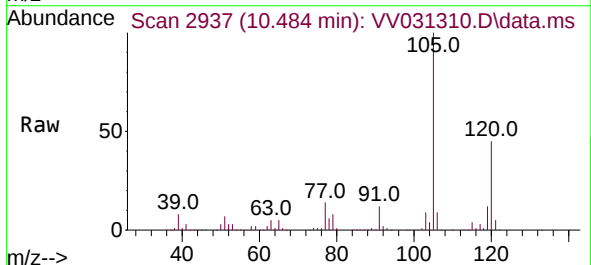
Instrument :
MSVOA_V
ClientSampleId :

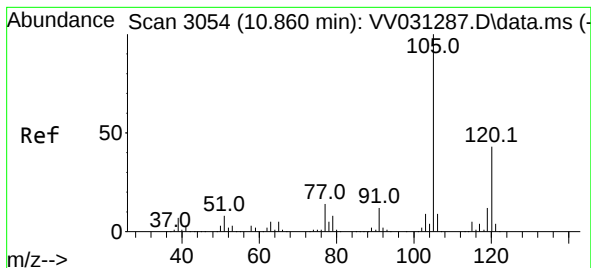
Tgt Ion: 75 Resp: 138080
Ion Ratio Lower Upper
75 100
77 33.3 25.5 38.3
110 37.7 32.5 48.7



#62
1,3,5-Trimethylbenzene
Concen: 47.338 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39

Tgt Ion: 105 Resp: 305894
Ion Ratio Lower Upper
105 100
120 45.4 40.5 60.7





#63

1,2,4-Trimethylbenzene

Concen: 49.383 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV031310.D

Acq: 31 May 2023 20:39

Instrument :

MSVOA_V

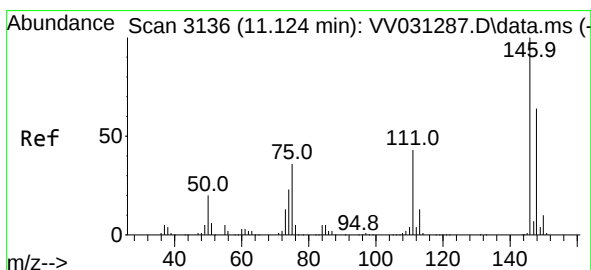
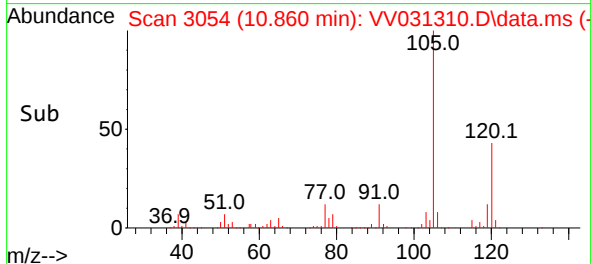
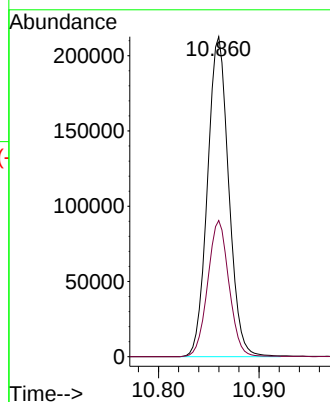
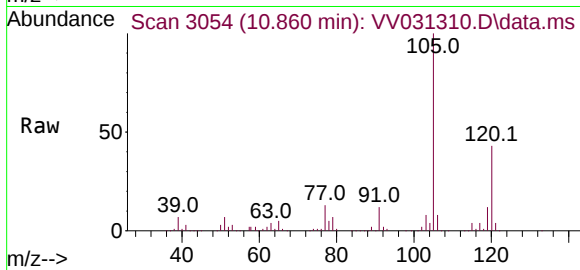
ClientSampleId :

Tgt Ion:105 Resp: 312018

Ion Ratio Lower Upper

105 100

120 42.7 37.5 56.3



#64

1,3-Dichlorobenzene

Concen: 45.986 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. -0.000 min

Lab File: VV031310.D

Acq: 31 May 2023 20:39

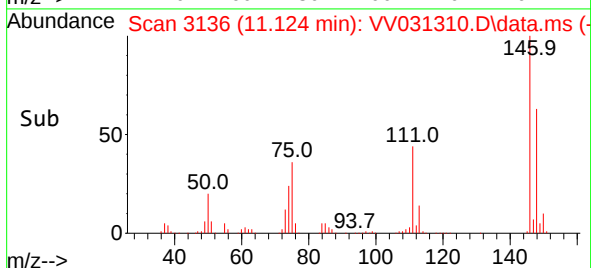
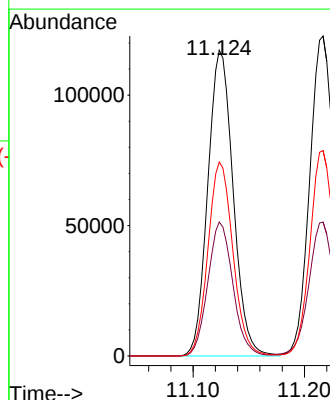
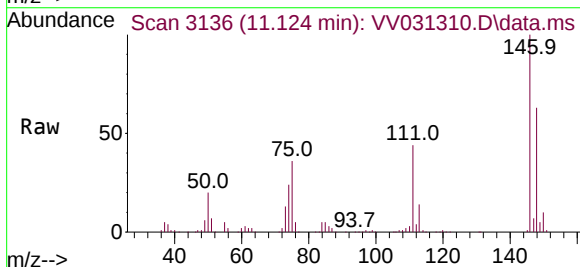
Tgt Ion:146 Resp: 185235

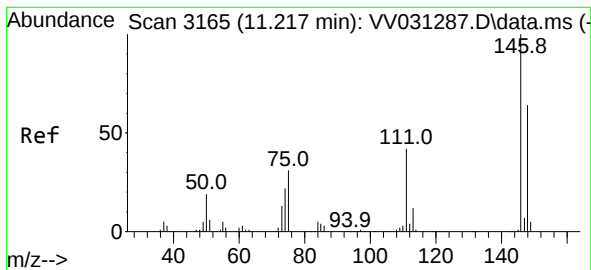
Ion Ratio Lower Upper

146 100

111 43.8 27.2 50.4

148 63.4 44.4 82.5





#65

1,4-Dichlorobenzene

Concen: 46.224 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. -0.000 min

Lab File: VV031310.D

Acq: 31 May 2023 20:39

Instrument :

MSVOA_V

ClientSampleId :

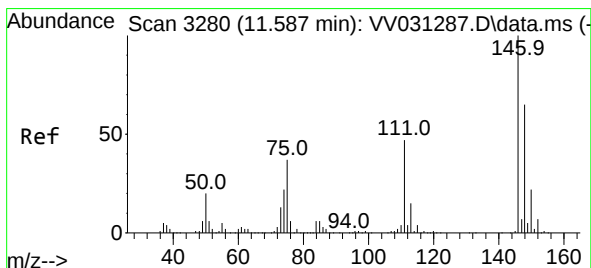
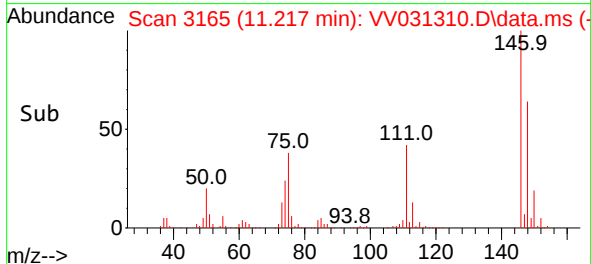
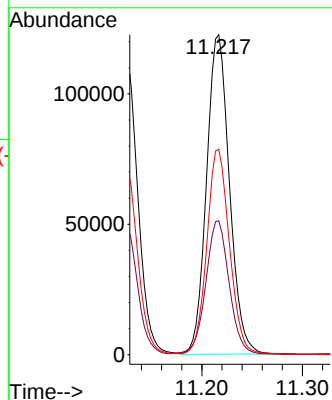
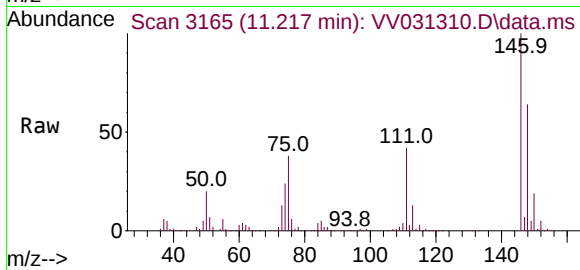
Tgt Ion:146 Resp: 193702

Ion Ratio Lower Upper

146 100

111 41.9 25.5 47.3

148 64.2 44.5 82.7



#67

1,2-Dichlorobenzene

Concen: 46.557 ug/L

RT: 11.586 min Scan# 3280

Delta R.T. -0.000 min

Lab File: VV031310.D

Acq: 31 May 2023 20:39

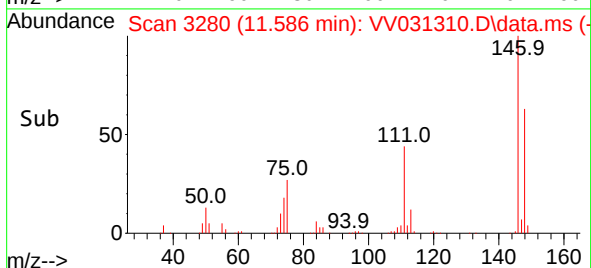
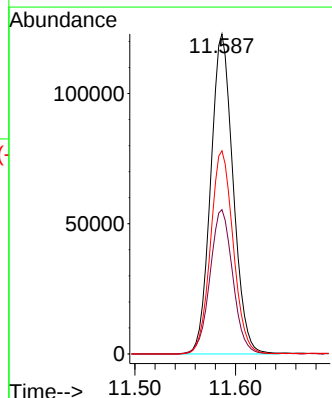
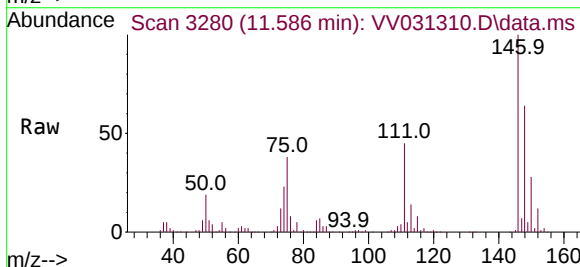
Tgt Ion:146 Resp: 190288

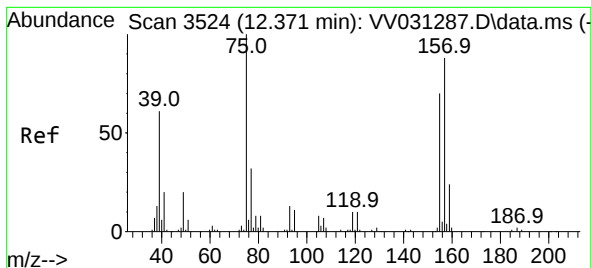
Ion Ratio Lower Upper

146 100

111 45.1 31.4 47.2

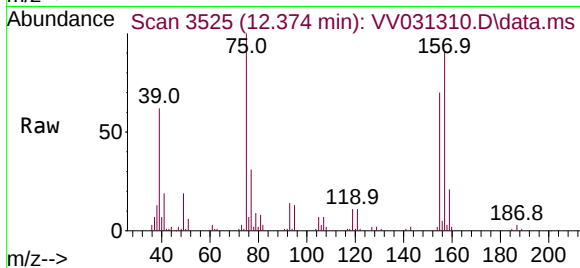
148 63.5 50.2 75.4



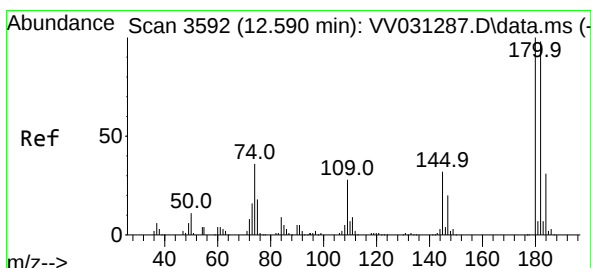
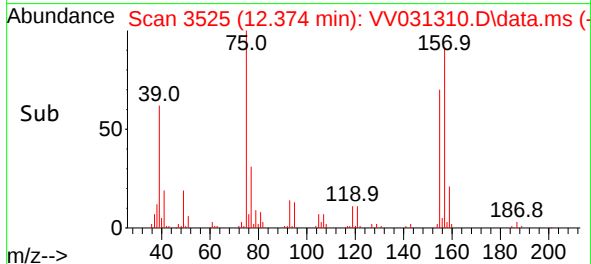
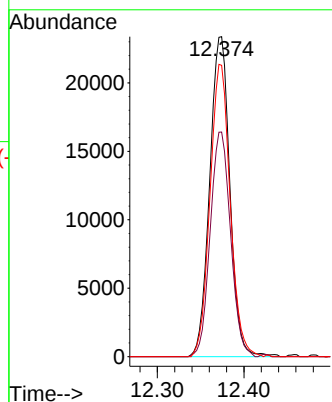


#68
 1,2-Dibromo-3-chloropropane
 Concen: 54.432 ug/L
 RT: 12.374 min Scan# 3525
 Delta R.T. 0.003 min
 Lab File: VV031310.D
 Acq: 31 May 2023 20:39

Instrument :
 MSVOA_V
 ClientSampleId :

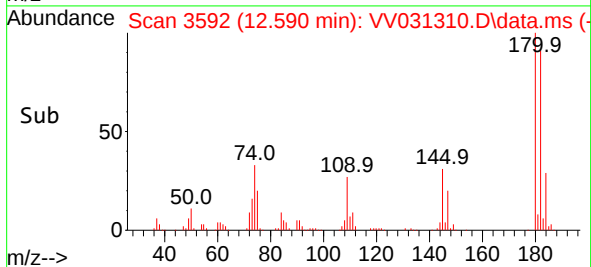
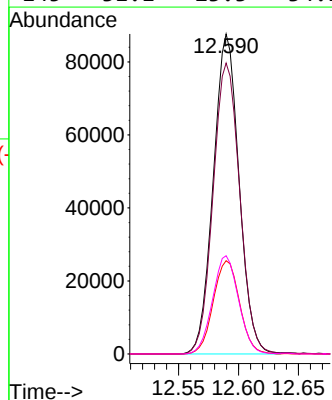
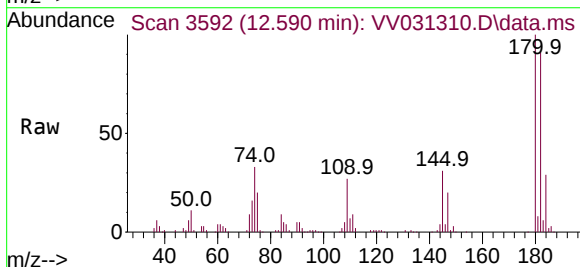


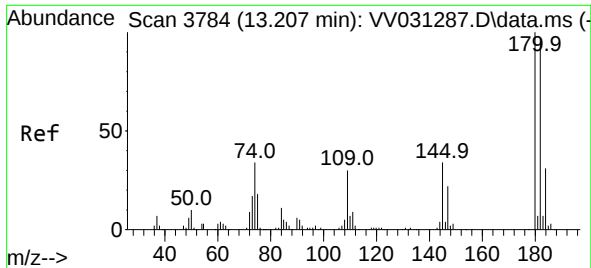
Tgt Ion: 75 Resp: 37784
 Ion Ratio Lower Upper
 75 100
 155 70.2 70.9 106.3#
 157 91.1 88.1 132.1



#69
 1,3,5-Trichlorobenzene
 Concen: 41.891 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. -0.000 min
 Lab File: VV031310.D
 Acq: 31 May 2023 20:39

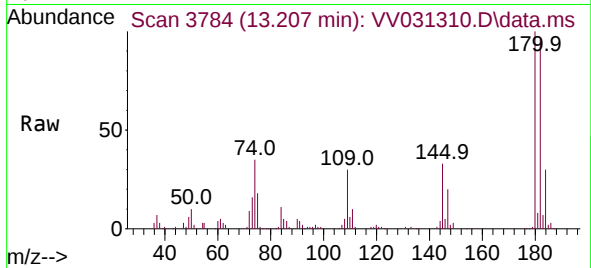
Tgt Ion:180 Resp: 130444
 Ion Ratio Lower Upper
 180 100
 182 94.0 76.6 115.0
 184 29.7 24.6 37.0
 145 31.1 23.3 34.9



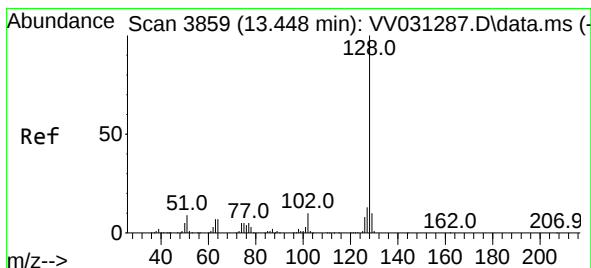
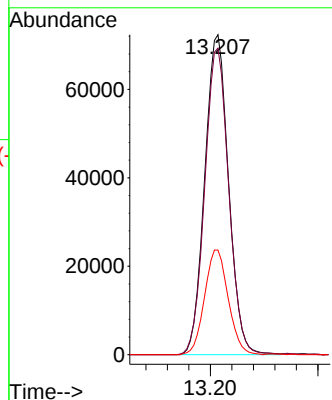
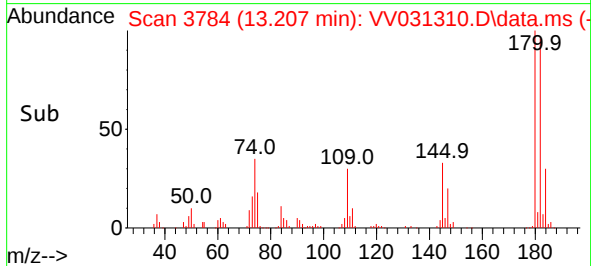


#70
1,2,4-trichlorobenzene
Concen: 42.016 ug/L
RT: 13.207 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39

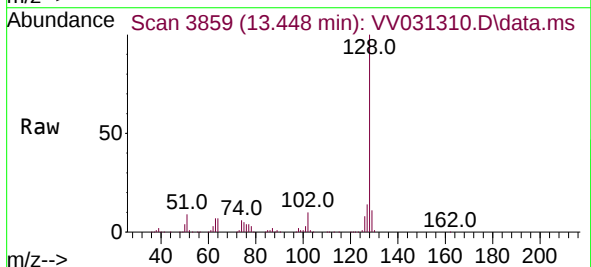
Instrument :
MSVOA_V
ClientSampleId :



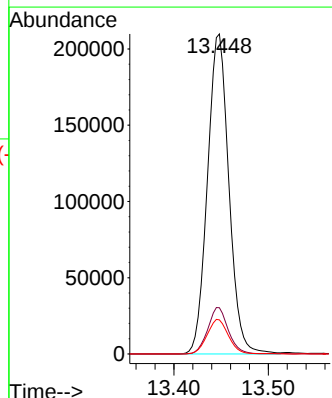
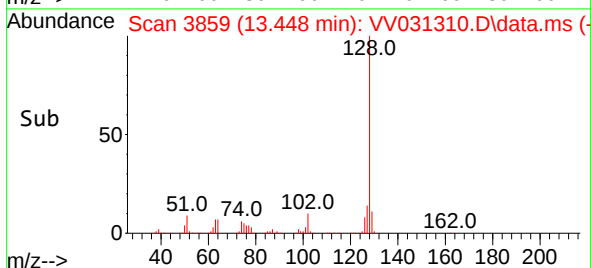
Tgt Ion:180 Resp: 111343
Ion Ratio Lower Upper
180 100
182 96.2 75.4 113.2
145 32.4 23.1 34.7

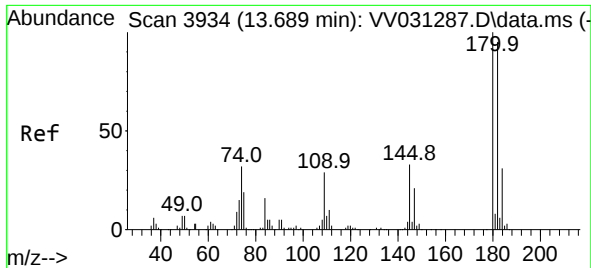


#71
Naphthalene
Concen: 48.026 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. -0.000 min
Lab File: VV031310.D
Acq: 31 May 2023 20:39



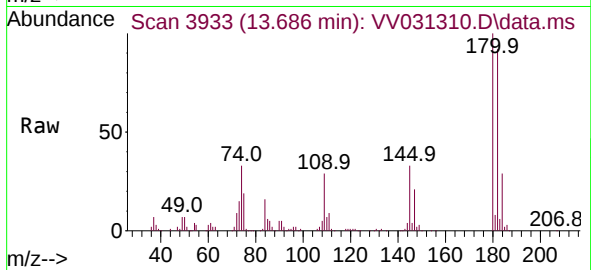
Tgt Ion:128 Resp: 330582
Ion Ratio Lower Upper
128 100
127 14.0 10.6 16.0
129 10.7 8.8 13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 46.724 ug/L
 RT: 13.686 min Scan# 3933
 Delta R.T. -0.003 min
 Lab File: VV031310.D
 Acq: 31 May 2023 20:39

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:180 Resp: 123729
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.4 113.0
 145 34.0 24.2 36.4

