

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061323\
 Data File : VW031510.D
 Acq On : 13 Jun 2023 15:13
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050370

Quant Time: Jun 13 23:49:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 13 23:48:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	228161	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	229467	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	143634	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	92099	45.879	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.760%
7) Chloroethane-d5	1.532	69	82459	50.736	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.480%
11) 1,1-Dichloroethene-d2	2.063	65	46808	49.199	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.400%
21) 2-Butanone-d5	3.796	46	139596	96.222	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.220%
24) Chloroform-d	4.256	84	207076	54.230	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.460%
26) 1,2-Dichloroethane-d4	4.947	65	139080	54.293	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.580%
32) Benzene-d6	4.966	84	372579	54.995	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.000%
36) 1,2-Dichloropropane-d6	5.992	67	126922	53.898	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.800%
41) Toluene-d8	7.249	98	357833	57.498	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.000%
43) trans-1,3-Dichloroprop...	7.558	79	60705	51.176	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.360%
47) 2-Hexanone-d5	8.030	63	87071	98.171	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.170%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	142214	47.854	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.700%
66) 1,2-Dichlorobenzene-d4	11.567	152	141123	52.965	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	43175	47.187	ug/L	98
3) Chloromethane	1.217	50	32448	43.701	ug/L	97
5) Vinyl chloride	1.285	62	40723	45.969	ug/L	98
6) Bromomethane	1.487	94	27294	51.262	ug/L	99
8) Chloroethane	1.548	64	34938	48.950	ug/L	97
9) Trichlorofluoromethane	1.716	101	110002	51.444	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	73175	52.918	ug/L	97
12) 1,1-Dichloroethene	2.072	96	44583	48.980	ug/L	91
13) Acetone	2.121	43	122980	94.758	ug/L	97
14) Carbon disulfide	2.246	76	29644	38.074	ug/L	100
15) Methyl Acetate	2.378	43	99404	50.721	ug/L	98
16) Methylene chloride	2.449	84	73297	53.347	ug/L	94
17) trans-1,2-Dichloroethene	2.699	96	43116	49.961	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	278109	52.428	ug/L	99
19) 1,1-Dichloroethane	3.117	63	157030	52.604	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	72597	51.742	ug/L	96
22) 2-Butanone	3.876	43	155907	97.740	ug/L	99
23) Bromochloromethane	4.153	128	39179	53.101	ug/L	98
25) Chloroform	4.281	83	183927	55.253	ug/L	96

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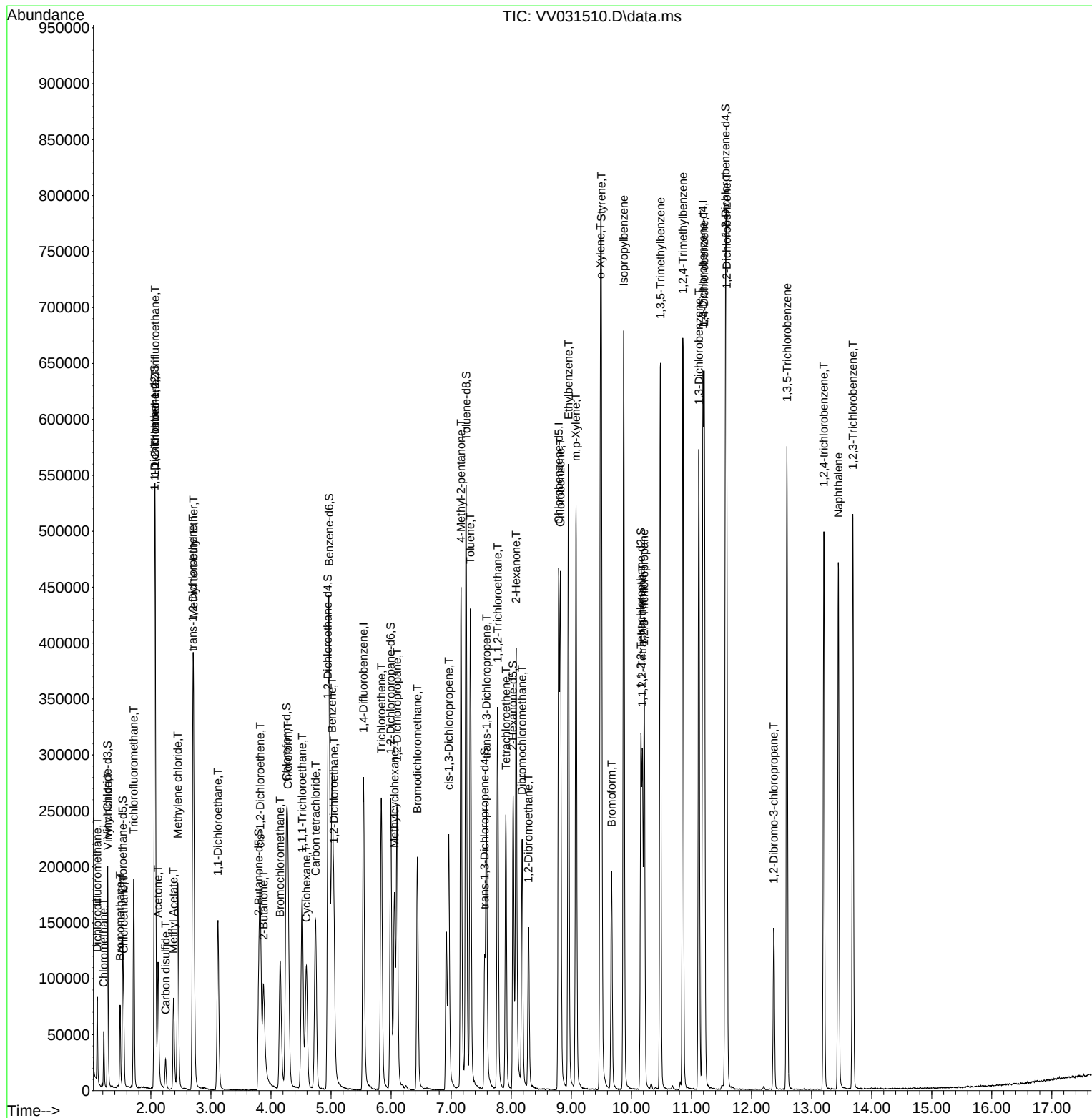
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27) 1,2-Dichloroethane	5.047	62	134489	55.330	ug/L	100
29) Cyclohexane	4.587	56	56671	46.112	ug/L	97
30) 1,1,1-Trichloroethane	4.519	97	145818	53.835	ug/L	100
31) Carbon tetrachloride	4.741	117	119525	53.121	ug/L	100
33) Benzene	5.014	78	269717	53.270	ug/L	100
34) Trichloroethene	5.838	95	90222	56.560	ug/L	99
35) Methylcyclohexane	6.056	83	65082	47.704	ug/L	96
37) 1,2-Dichloropropane	6.098	63	98224	53.897	ug/L	100
38) Bromodichloromethane	6.436	83	141594	53.084	ug/L	97
39) cis-1,3-Dichloropropene	6.960	75	143518	52.710	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	315816	106.677	ug/L	98
42) Toluene	7.320	91	307280	54.220	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	149879	54.271	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	103437	54.910	ug/L	98
46) Tetrachloroethene	7.911	164	54361	52.494	ug/L	96
48) 2-Hexanone	8.082	43	258770	111.669	ug/L	97
49) Dibromochloromethane	8.182	129	109429	53.253	ug/L	99
50) 1,2-Dibromoethane	8.288	107	96377	53.144	ug/L	98
51) Chlorobenzene	8.818	112	223310	51.822	ug/L	100
52) Ethylbenzene	8.953	91	370957	52.595	ug/L	100
53) m,p-Xylene	9.079	106	137373	54.048	ug/L	96
54) o-Xylene	9.484	106	134651	52.515	ug/L	99
55) Styrene	9.500	104	266138	56.933	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	138136	47.838	ug/L	96
59) Bromoform	9.670	173	86060	46.761	ug/L	99
60) Isopropylbenzene	9.873	105	407012	49.590	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	142775	49.103	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	333350	49.178	ug/L	98
63) 1,2,4-Trimethylbenzene	10.857	105	345711	50.953	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	215047	51.188	ug/L	100
65) 1,4-Dichlorobenzene	11.214	146	226647	51.005	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	227394	52.801	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	37594	48.779	ug/L	94
69) 1,3,5-Trichlorobenzene	12.590	180	171824	53.124	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	145807	52.842	ug/L	99
71) Naphthalene	13.445	128	348509	46.082	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	148437	53.669	ug/L	99

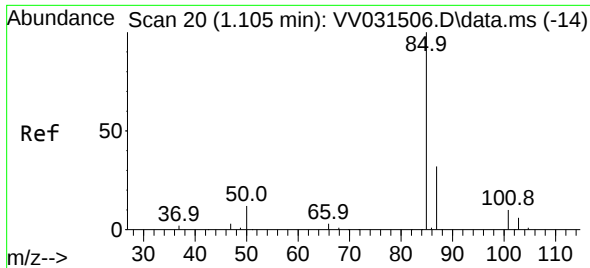
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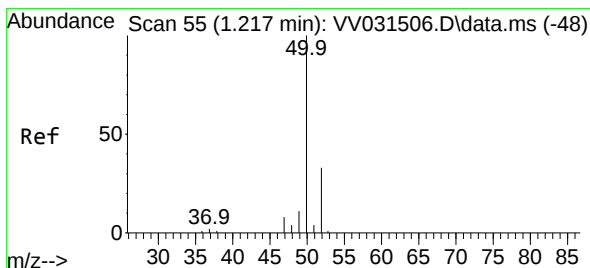
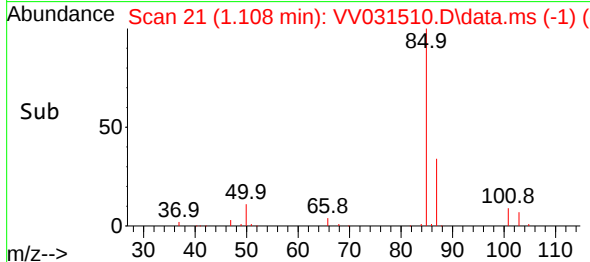
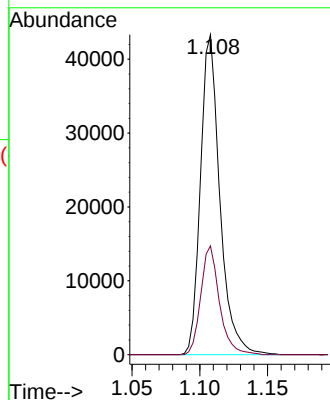
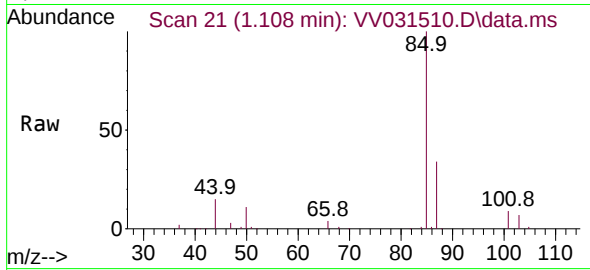




#2
 Dichlorodifluoromethane
 Concen: 47.187 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV031510.D
 Acq: 13 Jun 2023 15:13

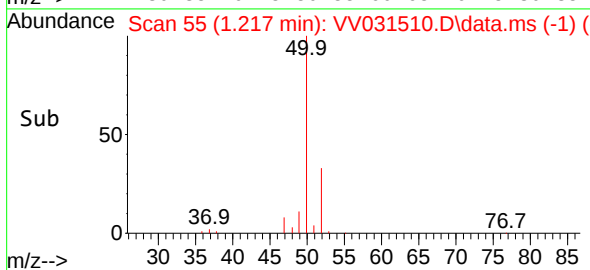
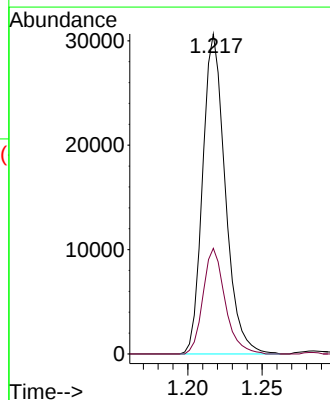
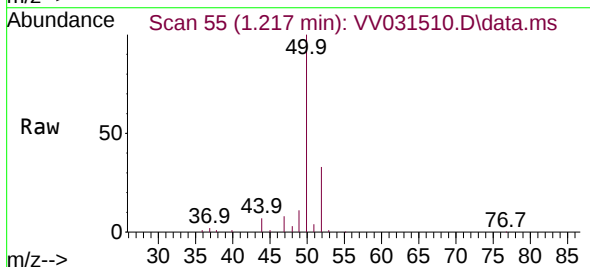
Instrument :
 MSVOA_V
 ClientSampleId :
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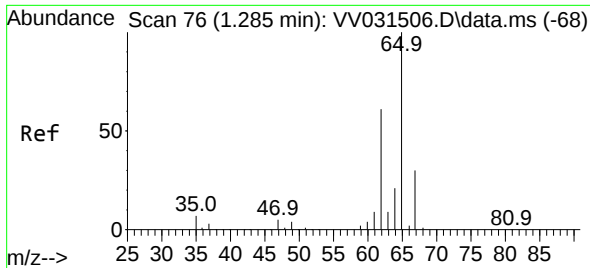
Tgt Ion: 85 Resp: 43175
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.0 37.6



#3
 Chloromethane
 Concen: 43.701 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031510.D
 Acq: 13 Jun 2023 15:13

Tgt Ion: 50 Resp: 32448
 Ion Ratio Lower Upper
 50 100
 52 33.0 21.9 40.7

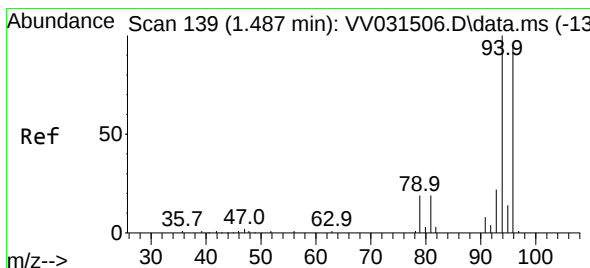
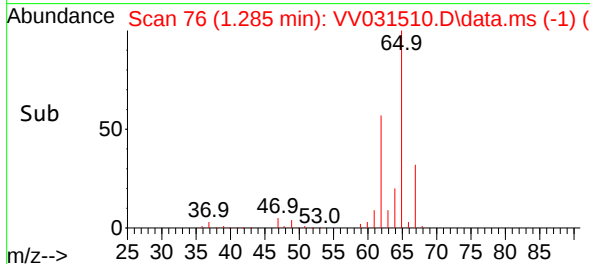
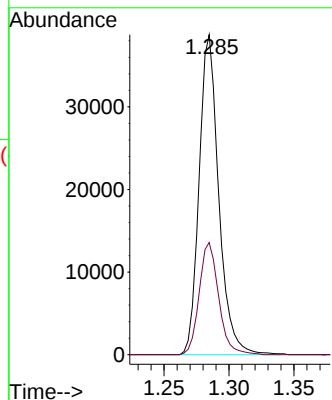
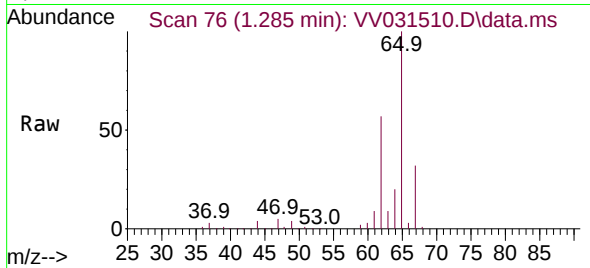




#5
 Vinyl chloride
 Concen: 45.969 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV031510.D
 Acq: 13 Jun 2023 15:13

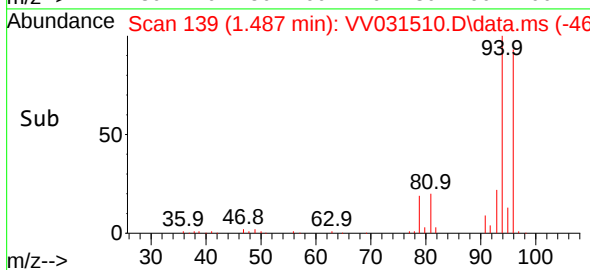
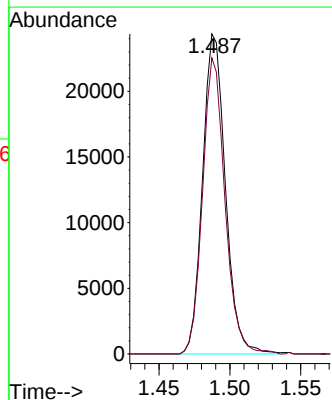
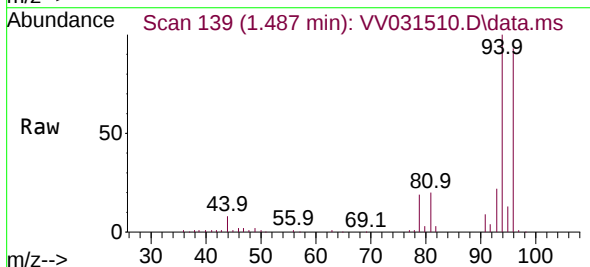
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050370

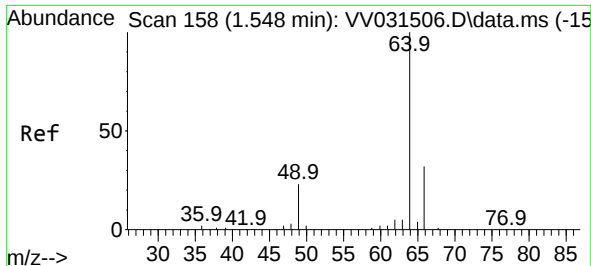
Tgt Ion: 62 Resp: 40723
 Ion Ratio Lower Upper
 62 100
 64 35.1 23.7 43.9



#6
 Bromomethane
 Concen: 51.262 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV031510.D
 Acq: 13 Jun 2023 15:13

Tgt Ion: 94 Resp: 27294
 Ion Ratio Lower Upper
 94 100
 96 92.5 65.4 121.4

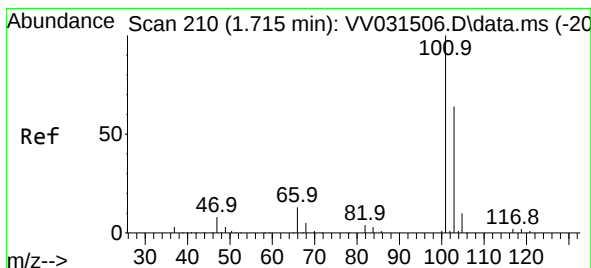
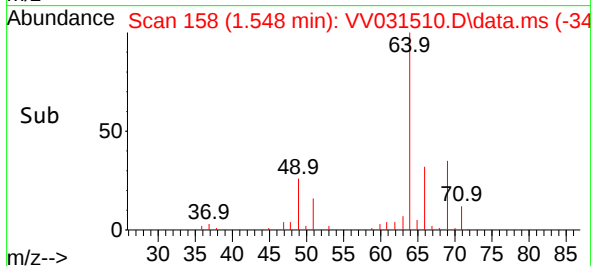
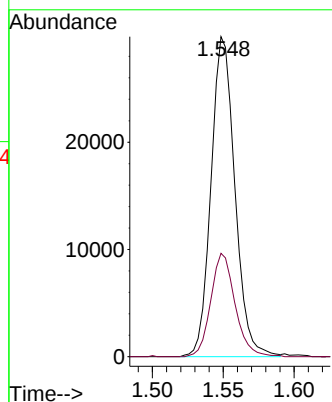
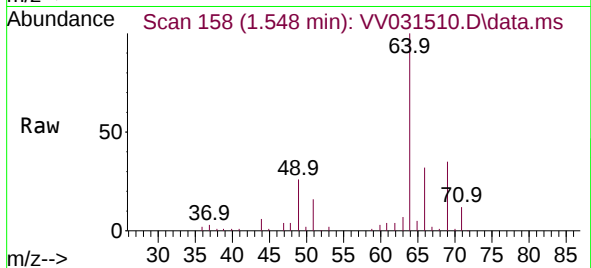




#8
Chloroethane
Concen: 48.950 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031510.D
Acq: 13 Jun 2023 15:13

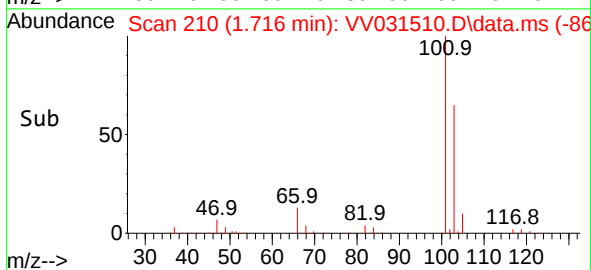
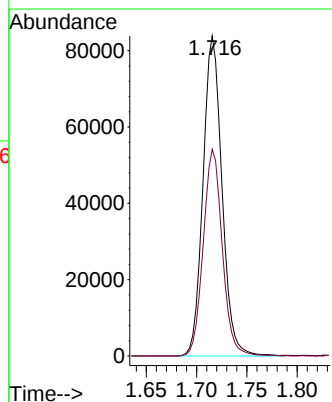
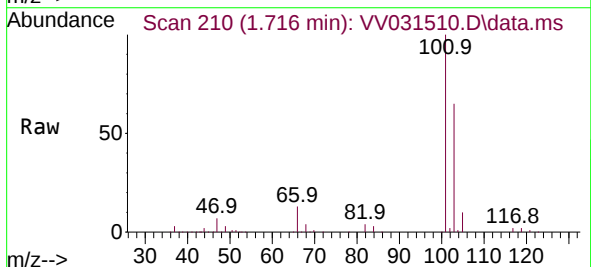
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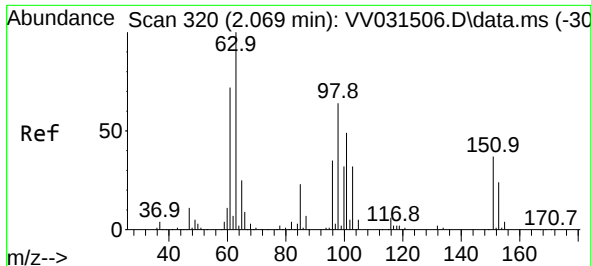
Tgt Ion: 64 Resp: 34938
Ion Ratio Lower Upper
64 100
66 32.3 21.4 39.8



#9
Trichlorofluoromethane
Concen: 51.444 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031510.D
Acq: 13 Jun 2023 15:13

Tgt Ion:101 Resp: 110002
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.6





#10

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

Concen: 52.918 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD050370

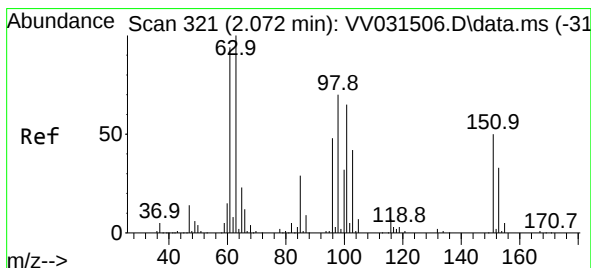
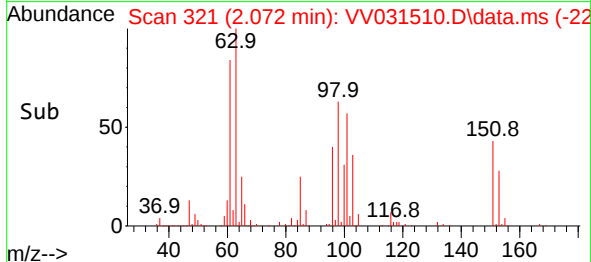
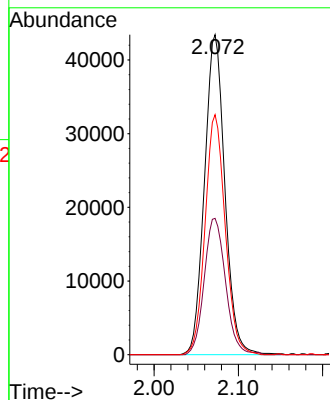
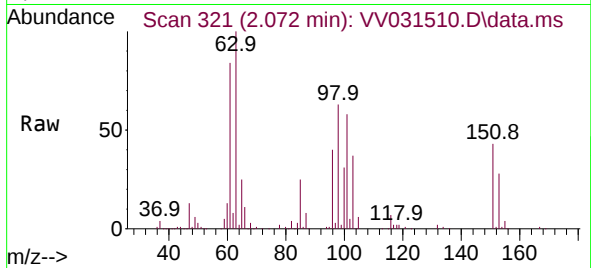
Tgt Ion:101 Resp: 73175

Ion Ratio Lower Upper

101 100

85 44.4 37.3 55.9

151 74.2 57.8 86.6



#12

1,1-Dichloroethene

Concen: 48.980 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

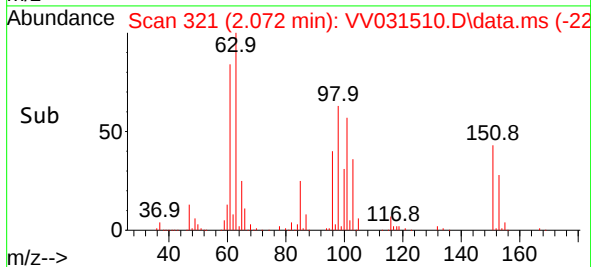
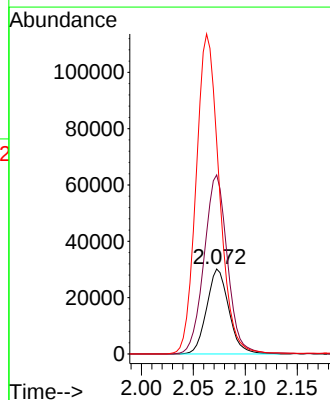
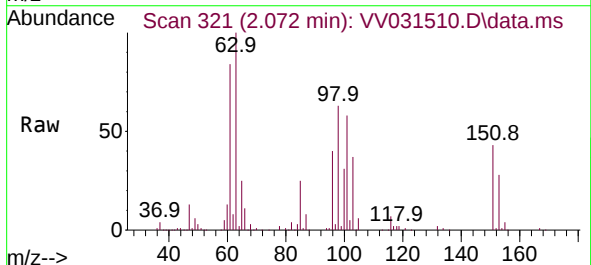
Tgt Ion: 96 Resp: 44583

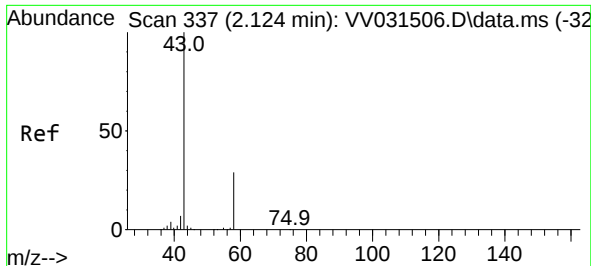
Ion Ratio Lower Upper

96 100

61 210.6 143.9 267.3

63 249.4 158.3 293.9





#13

Acetone

Concen: 94.758 ug/L

RT: 2.121 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

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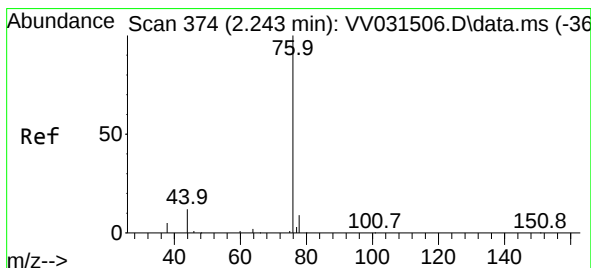
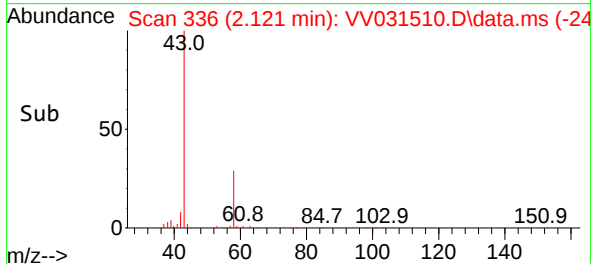
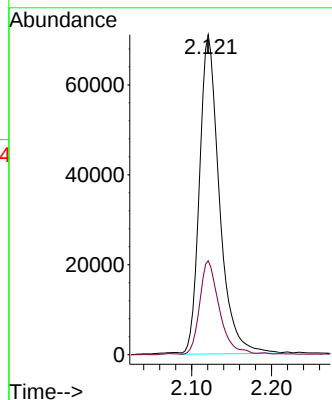
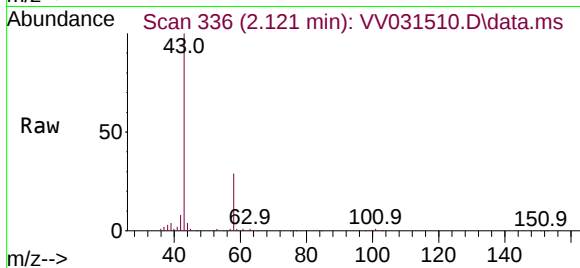
VSTD050370

Tgt Ion: 43 Resp: 122980

Ion Ratio Lower Upper

43 100

58 28.8 0.0 61.0



#14

Carbon disulfide

Concen: 38.074 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.003 min

Lab File: VV031510.D

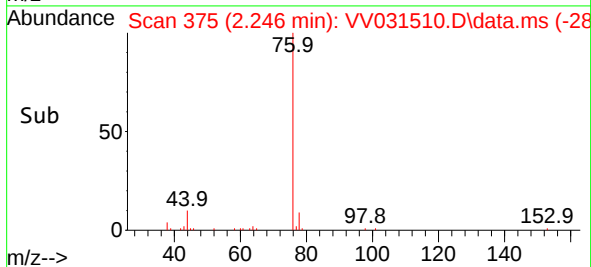
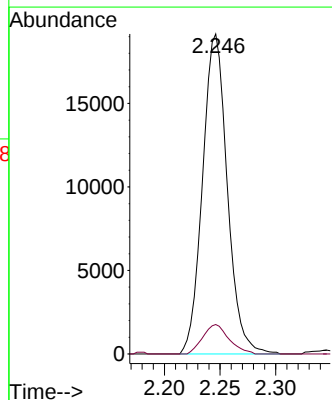
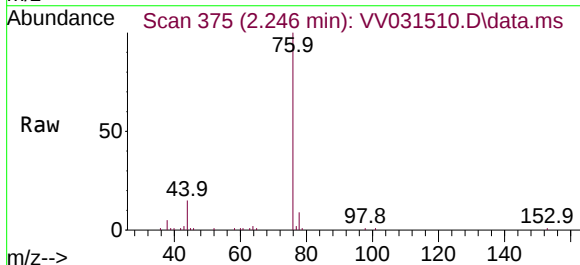
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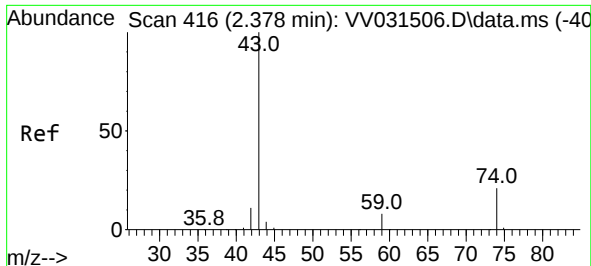
Tgt Ion: 76 Resp: 29644

Ion Ratio Lower Upper

76 100

78 9.8 7.9 11.9

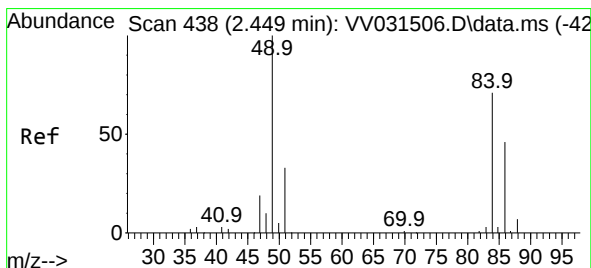
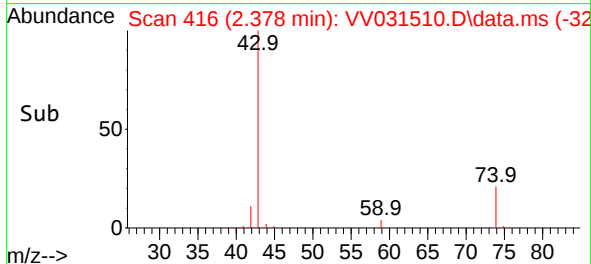
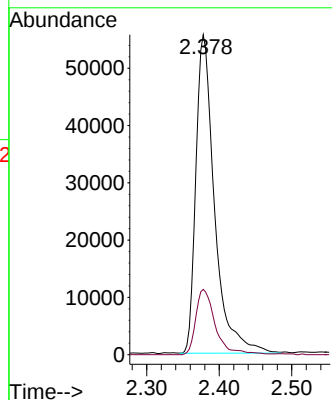
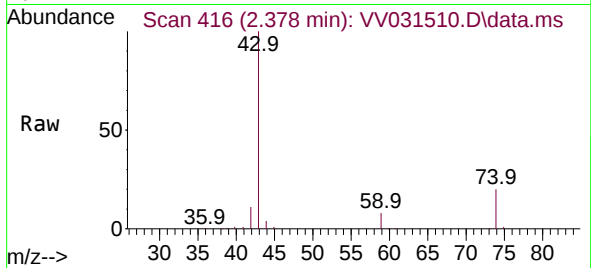




#15
Methyl Acetate
Concen: 50.721 ug/L
RT: 2.378 min Scan# 416
Delta R.T. 0.000 min
Lab File: VV031510.D
Acq: 13 Jun 2023 15:13

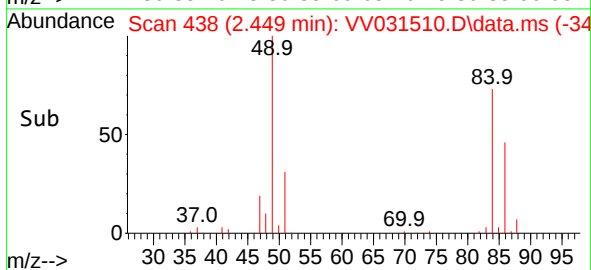
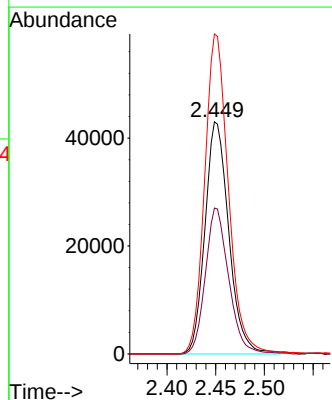
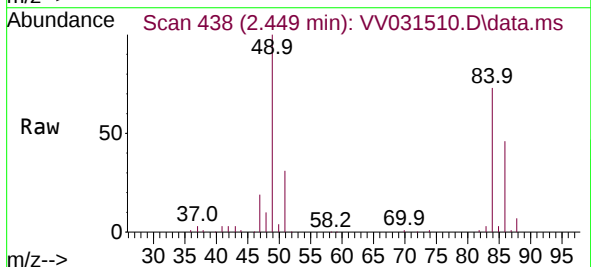
Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

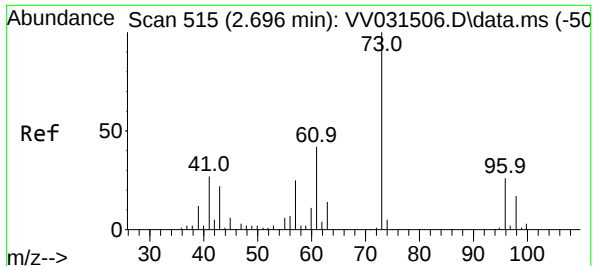
Tgt Ion: 43 Resp: 99404
Ion Ratio Lower Upper
43 100
74 21.0 16.0 24.0



#16
Methylene chloride
Concen: 53.347 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV031510.D
Acq: 13 Jun 2023 15:13

Tgt Ion: 84 Resp: 73297
Ion Ratio Lower Upper
84 100
86 62.8 46.1 85.5
49 137.8 102.7 190.7

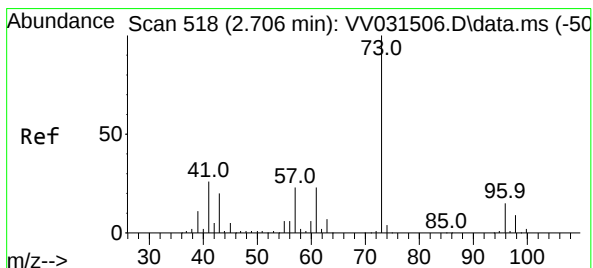
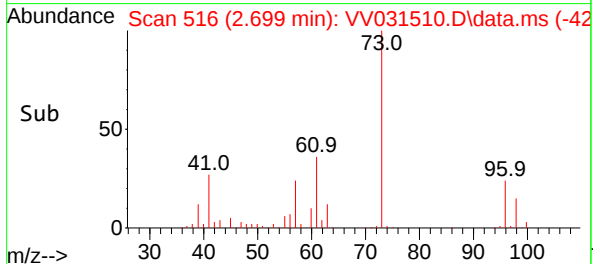
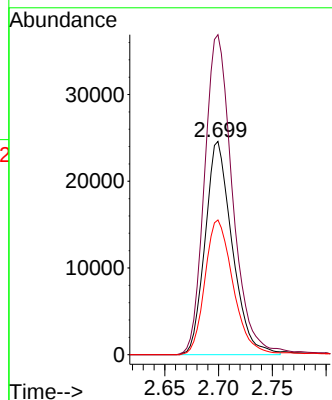
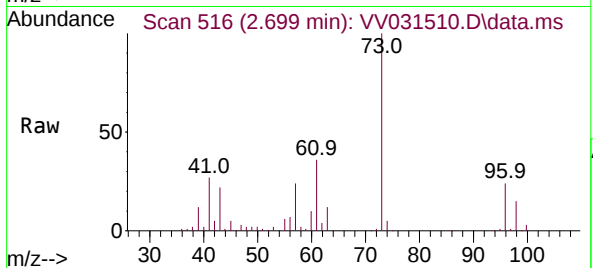




#17
trans-1,2-Dichloroethene
Concen: 49.961 ug/L
RT: 2.699 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV031510.D
Acq: 13 Jun 2023 15:13

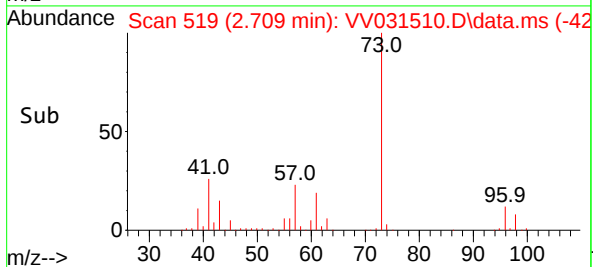
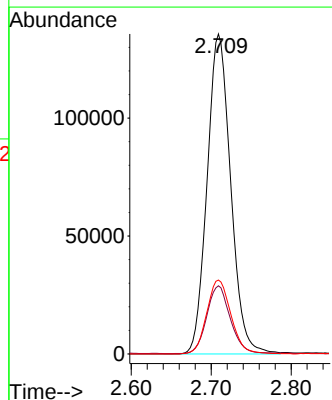
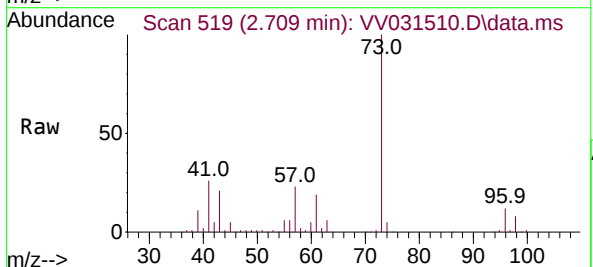
Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

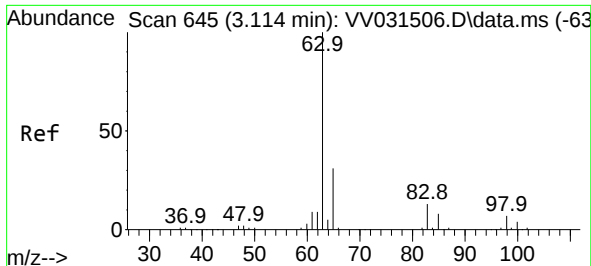
Tgt Ion: 96 Resp: 43116
Ion Ratio Lower Upper
96 100
61 150.1 106.9 198.5
98 63.2 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 52.428 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV031510.D
Acq: 13 Jun 2023 15:13

Tgt Ion: 73 Resp: 278109
Ion Ratio Lower Upper
73 100
43 21.1 16.6 25.0
57 23.7 18.6 28.0





#19

1,1-Dichloroethane

Concen: 52.604 ug/L

RT: 3.117 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD050370

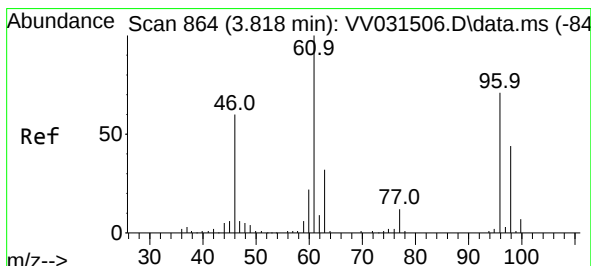
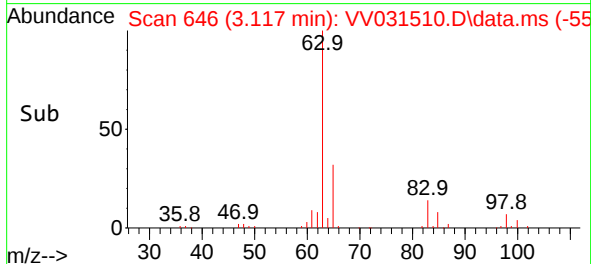
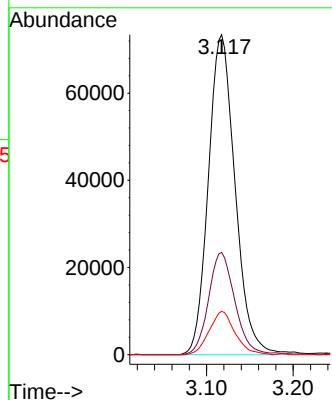
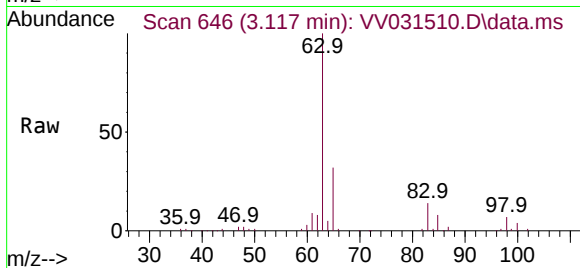
Tgt Ion: 63 Resp: 157030

Ion Ratio Lower Upper

63 100

65 31.9 21.4 39.8

83 13.6 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 51.742 ug/L

RT: 3.822 min Scan# 865

Delta R.T. 0.003 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

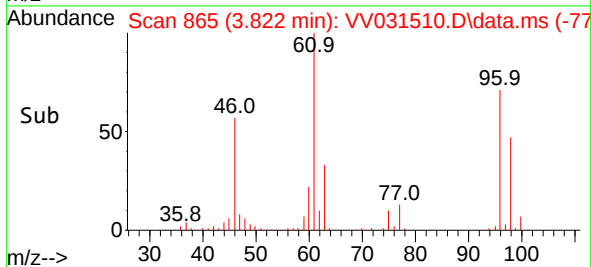
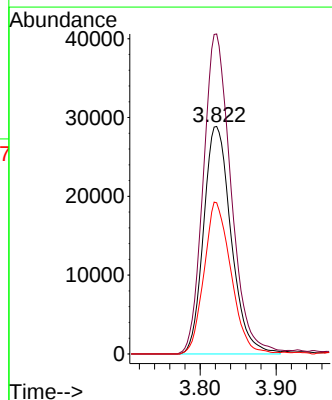
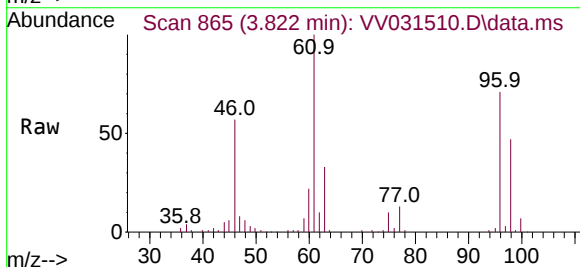
Tgt Ion: 96 Resp: 72597

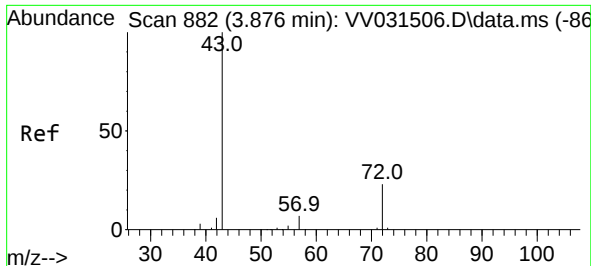
Ion Ratio Lower Upper

96 100

61 140.7 101.6 188.6

98 66.5 44.4 82.4

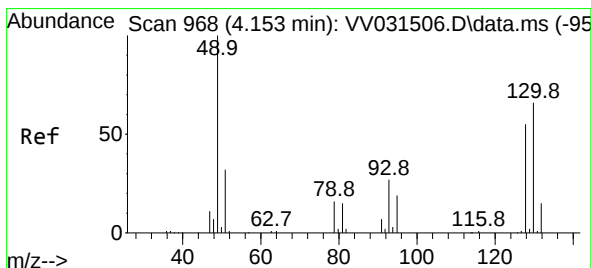
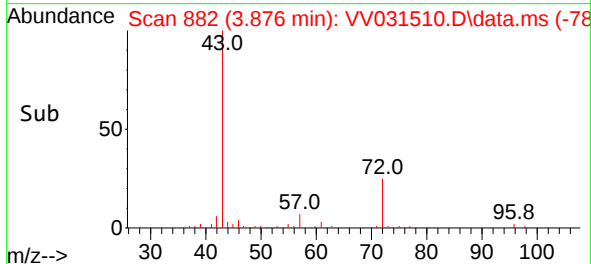
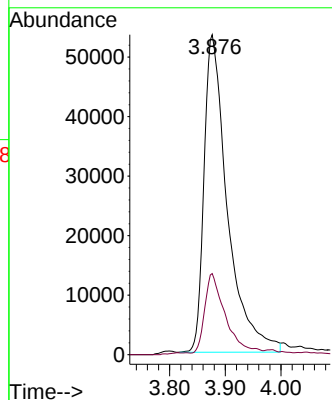
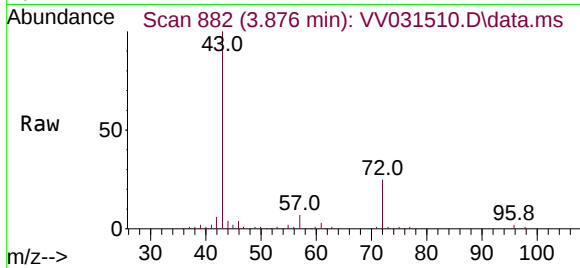




#22
2-Butanone
Concen: 97.740 ug/L
RT: 3.876 min Scan# 882
Delta R.T. 0.000 min
Lab File: VV031510.D
Acq: 13 Jun 2023 15:13

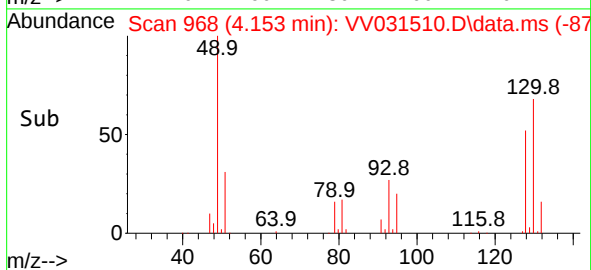
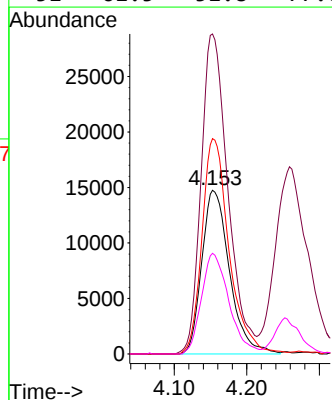
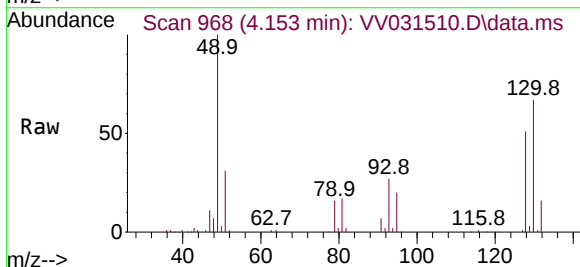
Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

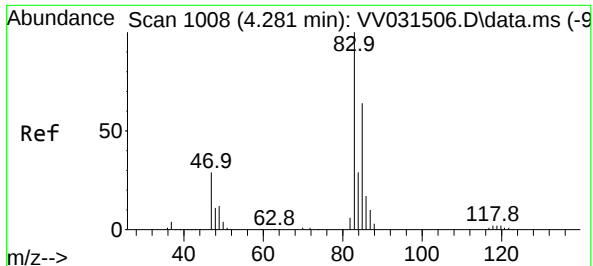
Tgt Ion: 43 Resp: 155907
Ion Ratio Lower Upper
43 100
72 21.4 10.4 31.4



#23
Bromochloromethane
Concen: 53.101 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.000 min
Lab File: VV031510.D
Acq: 13 Jun 2023 15:13

Tgt Ion:128 Resp: 39179
Ion Ratio Lower Upper
128 100
49 195.4 138.2 256.6
130 131.5 91.4 169.8
51 61.5 51.8 77.6





#25

Chloroform

Concen: 55.253 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. 0.000 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

Instrument :

MSVOA_V

ClientSampleId :

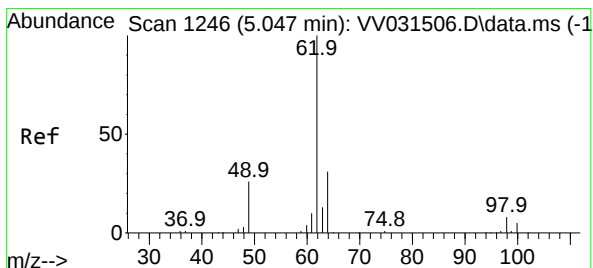
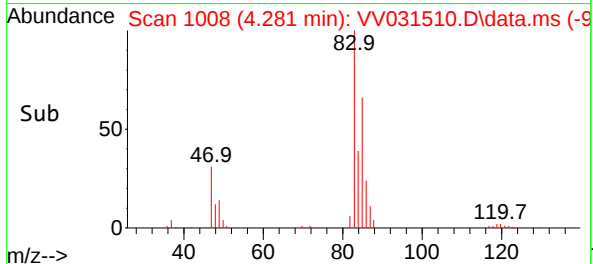
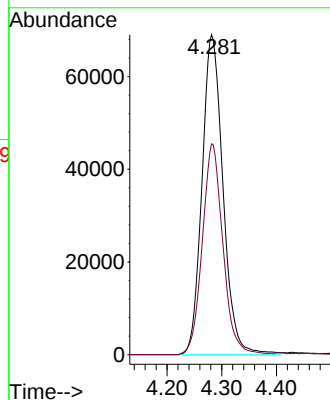
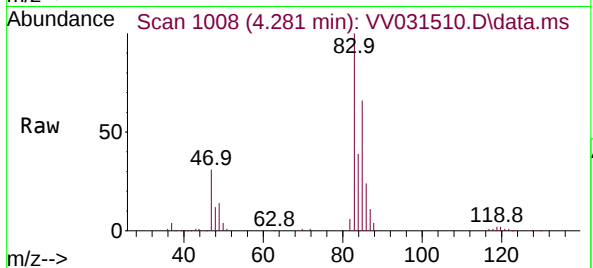
VSTD050370

Tgt Ion: 83 Resp: 183927

Ion Ratio Lower Upper

83 100

85 65.9 43.9 81.5



#27

1,2-Dichloroethane

Concen: 55.330 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VV031510.D

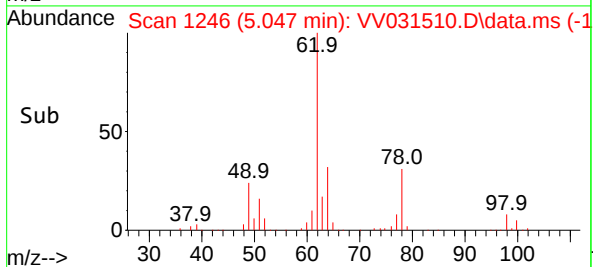
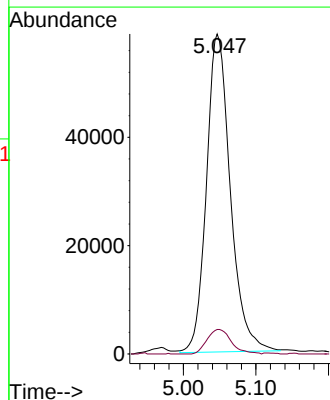
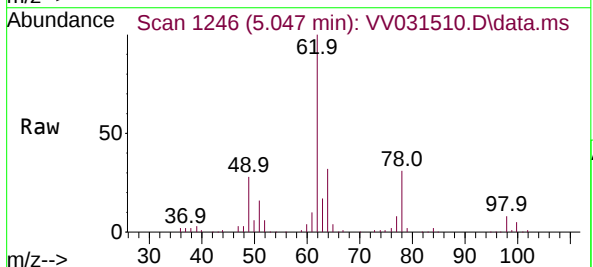
Acq: 13 Jun 2023 15:13

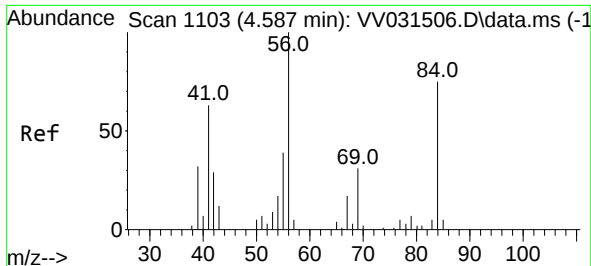
Tgt Ion: 62 Resp: 134489

Ion Ratio Lower Upper

62 100

98 7.7 6.2 9.4

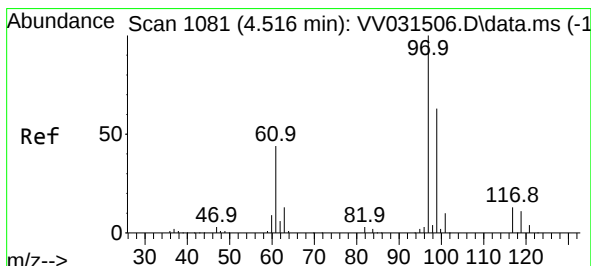
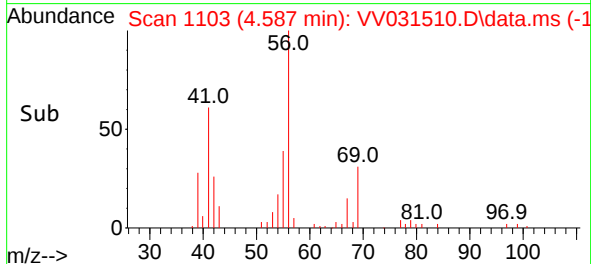
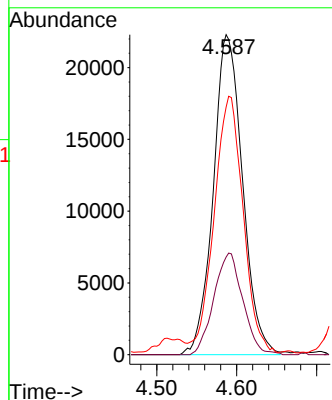
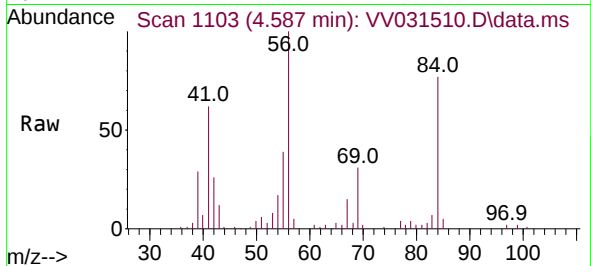




#29
Cyclohexane
Concen: 46.112 ug/L
RT: 4.587 min Scan# 1103
Delta R.T. 0.000 min
Lab File: VV031510.D
Acq: 13 Jun 2023 15:13

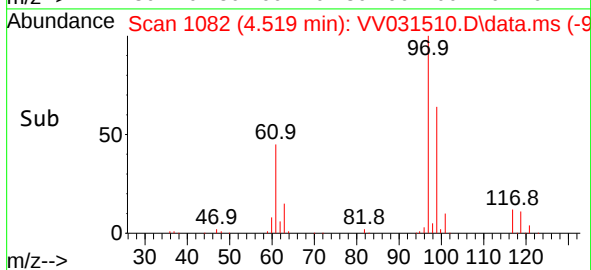
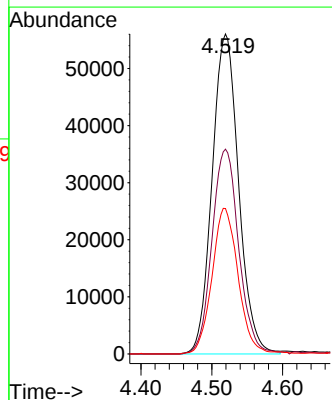
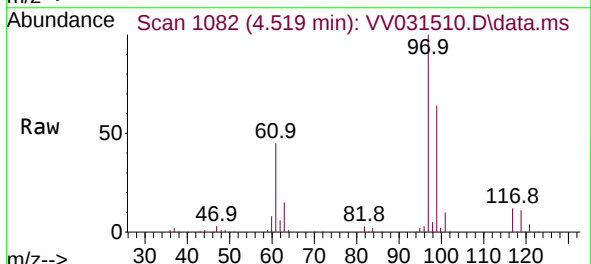
Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

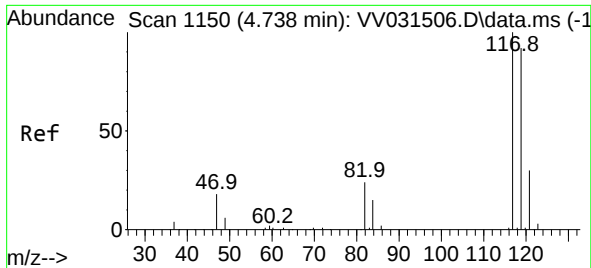
Tgt Ion: 56 Resp: 56671
Ion Ratio Lower Upper
56 100
69 31.4 23.5 35.3
84 79.2 61.3 91.9



#30
1,1,1-Trichloroethane
Concen: 53.835 ug/L
RT: 4.519 min Scan# 1082
Delta R.T. 0.003 min
Lab File: VV031510.D
Acq: 13 Jun 2023 15:13

Tgt Ion: 97 Resp: 145818
Ion Ratio Lower Upper
97 100
99 64.5 51.9 77.9
61 44.7 36.1 54.1

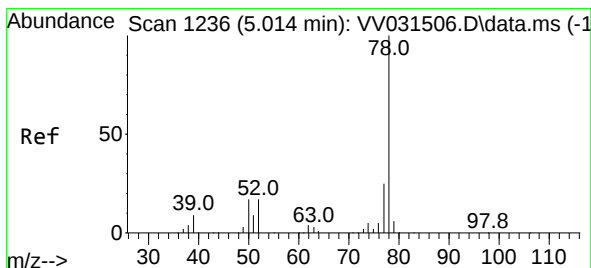
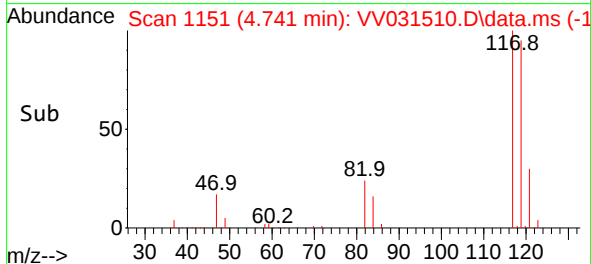
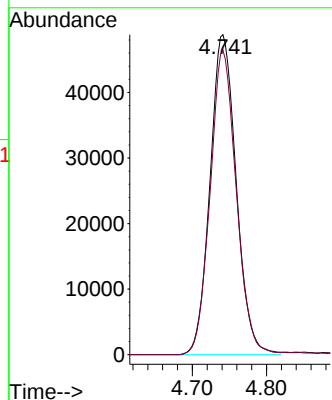
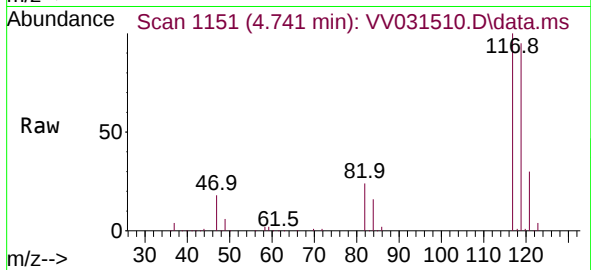




#31
Carbon tetrachloride
Concen: 53.121 ug/L
RT: 4.741 min Scan# 1150
Delta R.T. 0.003 min
Lab File: VV031510.D
Acq: 13 Jun 2023 15:13

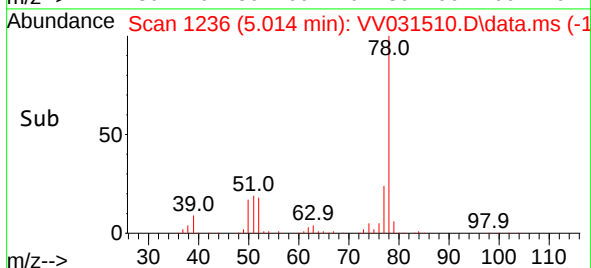
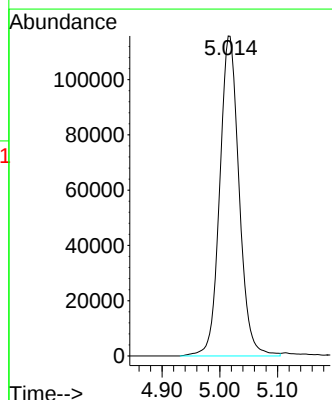
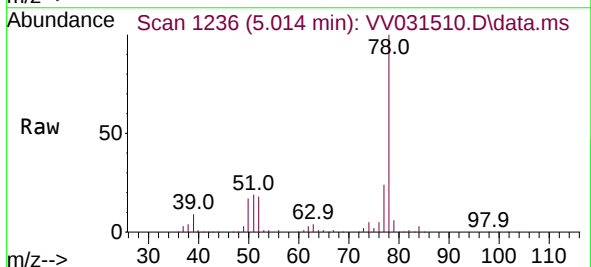
Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

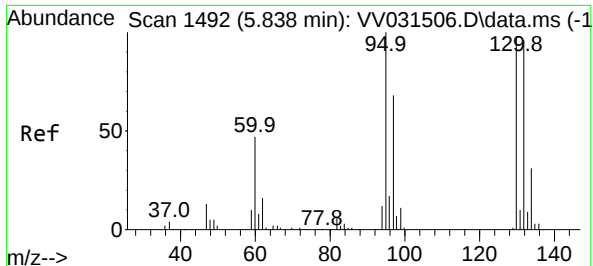
Tgt Ion:117 Resp: 119525
Ion Ratio Lower Upper
117 100
119 94.7 75.8 113.6



#33
Benzene
Concen: 53.270 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VV031510.D
Acq: 13 Jun 2023 15:13

Tgt Ion: 78 Resp: 269717



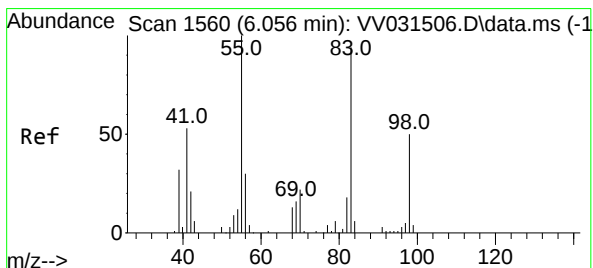
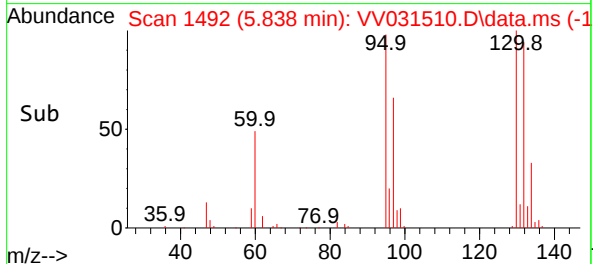
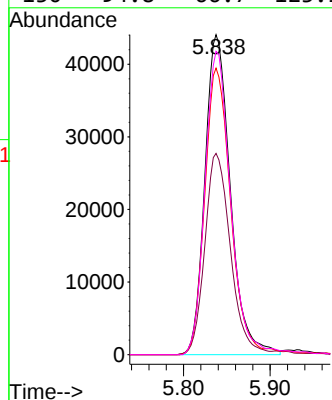
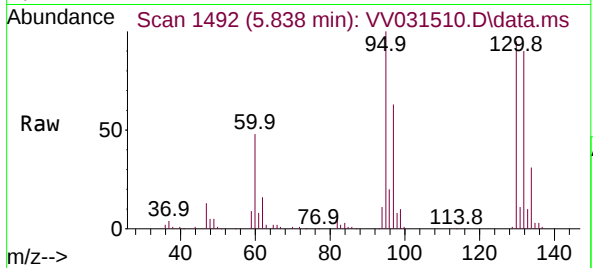


#34
Trichloroethene
Concen: 56.560 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.000 min
Lab File: VV031510.D
Acq: 13 Jun 2023 15:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

Tgt Ion: 95 Resp: 90222

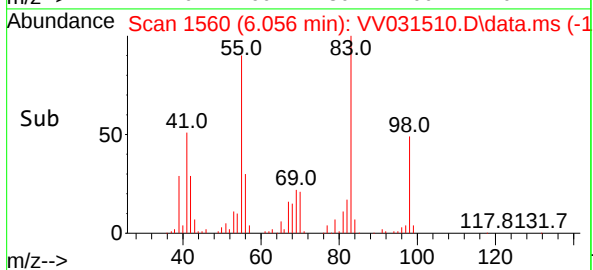
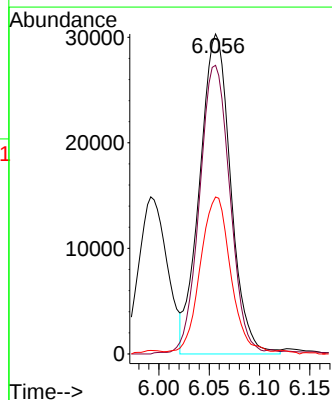
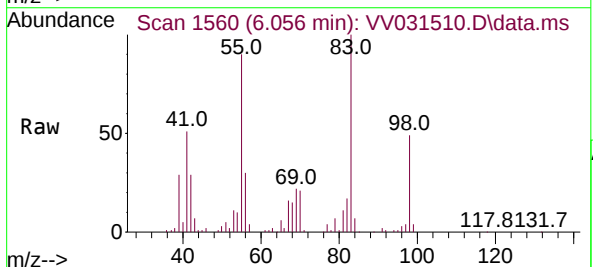
Ion	Ratio	Lower	Upper
95	100		
97	62.9	44.2	82.0
132	89.6	64.2	119.2
130	94.8	66.7	123.9

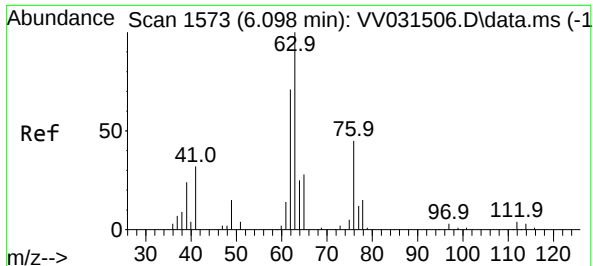


#35
Methylcyclohexane
Concen: 47.704 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. 0.000 min
Lab File: VV031510.D
Acq: 13 Jun 2023 15:13

Tgt Ion: 83 Resp: 65082

Ion	Ratio	Lower	Upper
83	100		
55	87.6	73.9	110.9
98	47.7	37.0	55.4





#37

1,2-Dichloropropane

Concen: 53.897 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

Instrument :

MSVOA_V

ClientSampleId :

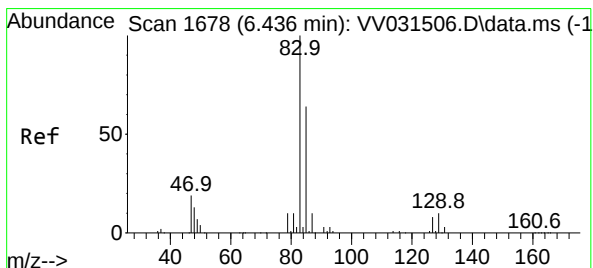
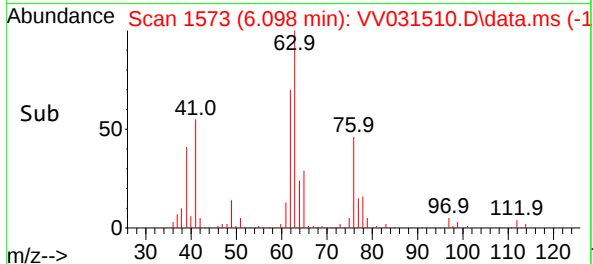
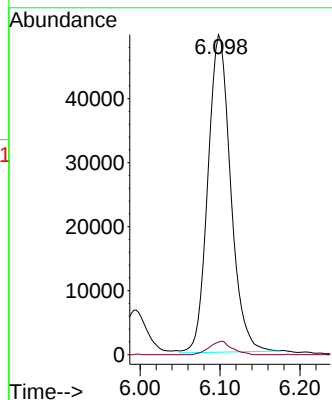
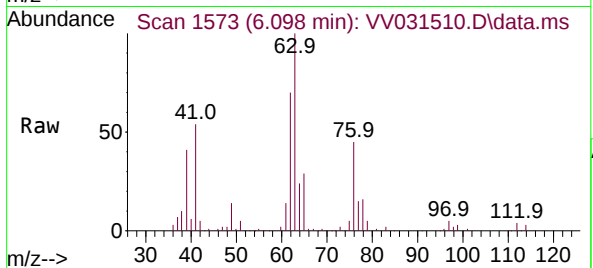
VSTD050370

Tgt Ion: 63 Resp: 98224

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 53.084 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

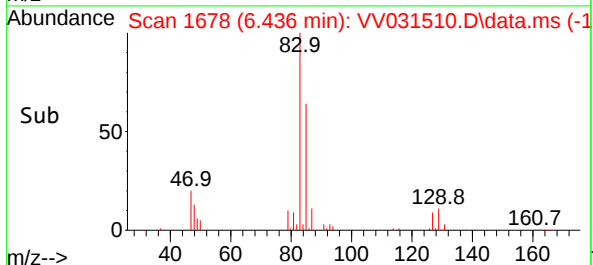
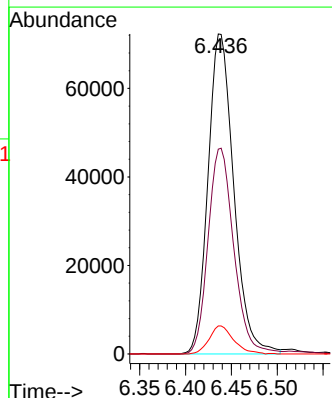
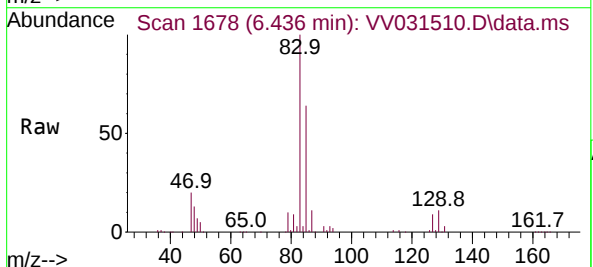
Tgt Ion: 83 Resp: 141594

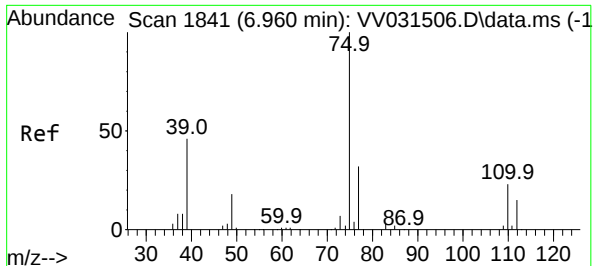
Ion Ratio Lower Upper

83 100

85 64.0 43.2 80.2

127 8.7 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 52.710 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

Instrument :

MSVOA_V

ClientSampleId :

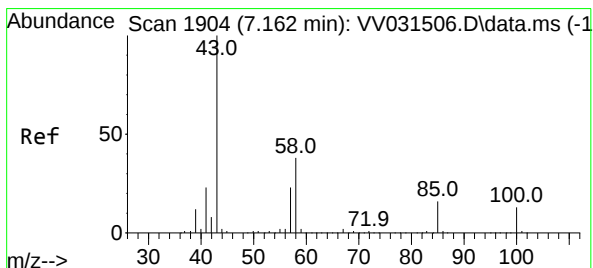
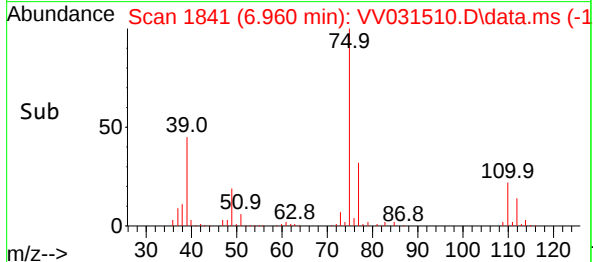
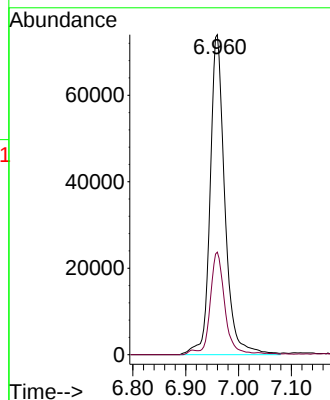
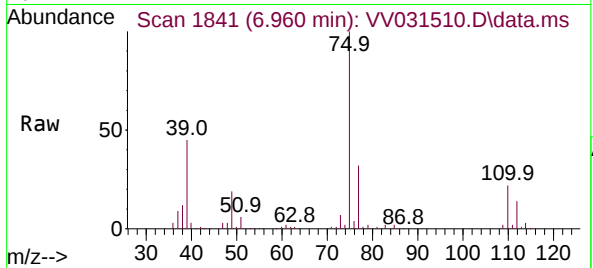
VSTD050370

Tgt Ion: 75 Resp: 143518

Ion Ratio Lower Upper

75 100

77 32.0 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 106.677 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

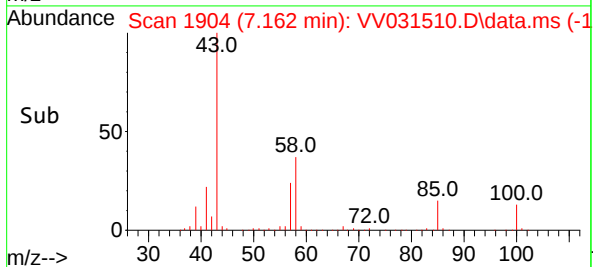
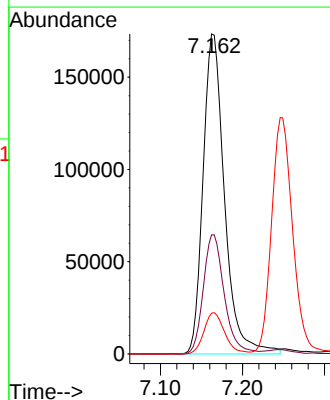
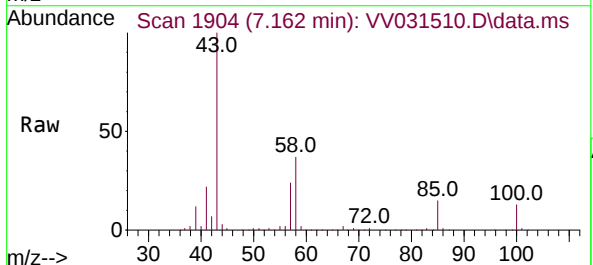
Tgt Ion: 43 Resp: 315816

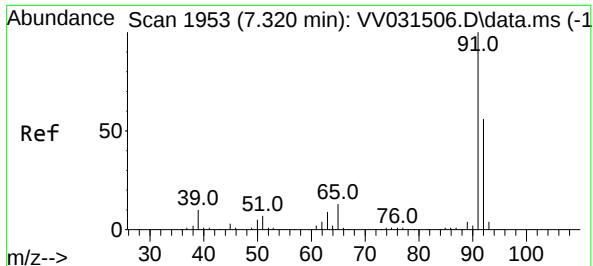
Ion Ratio Lower Upper

43 100

58 36.4 29.9 44.9

100 12.5 10.3 15.5





#42

Toluene

Concen: 54.220 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

Instrument :

MSVOA_V

ClientSampleId :

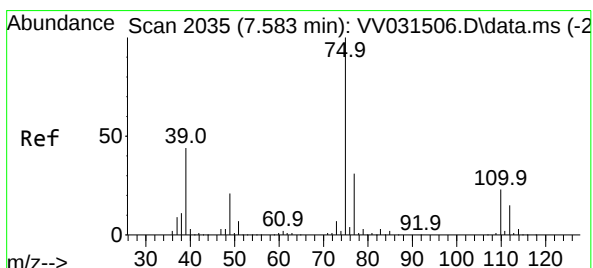
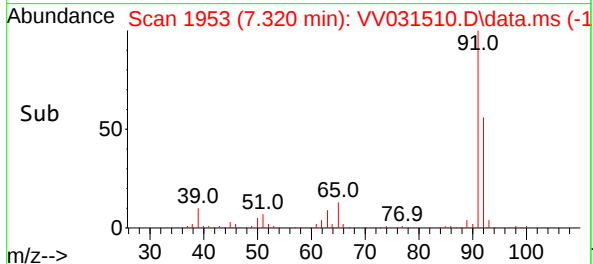
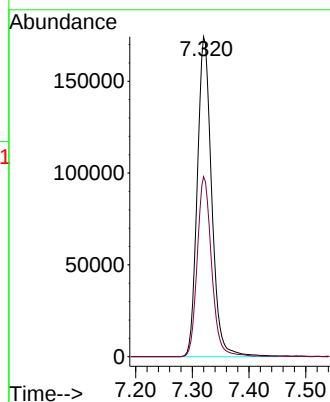
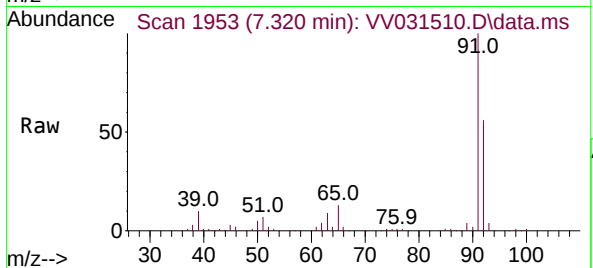
VSTD050370

Tgt Ion: 91 Resp: 307280

Ion Ratio Lower Upper

91 100

92 56.3 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 54.271 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV031510.D

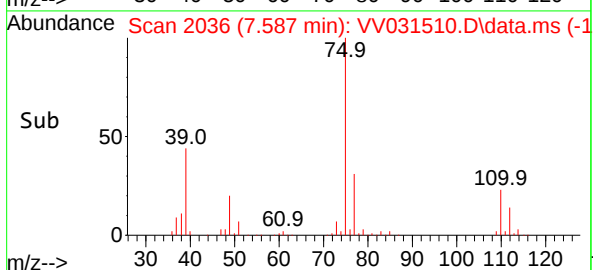
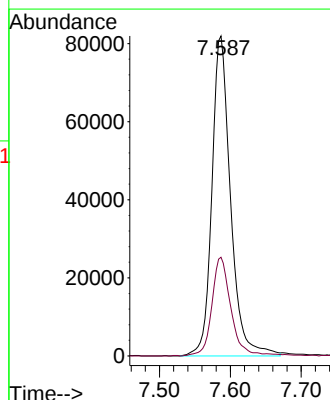
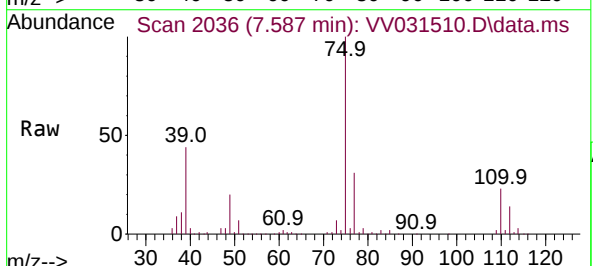
Acq: 13 Jun 2023 15:13

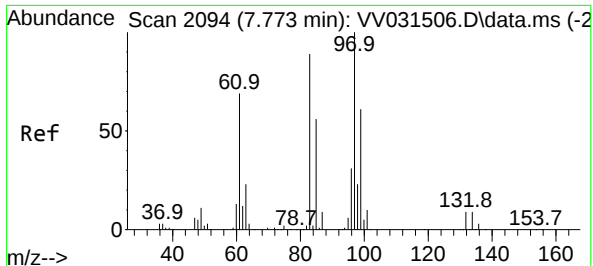
Tgt Ion: 75 Resp: 149879

Ion Ratio Lower Upper

75 100

77 30.9 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 54.910 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. 0.000 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD050370

Tgt Ion: 97 Resp: 103437

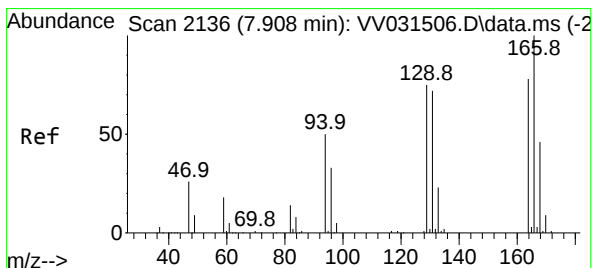
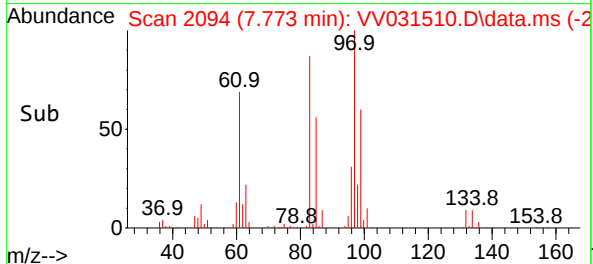
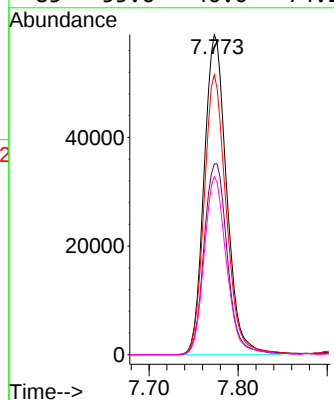
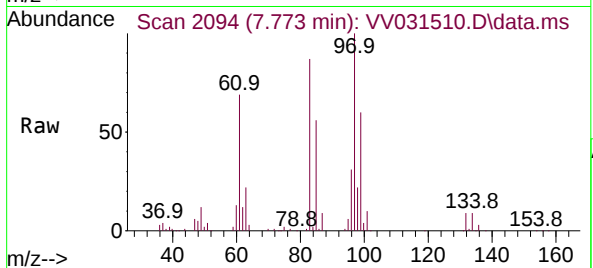
Ion Ratio Lower Upper

97 100

99 59.7 43.8 81.4

83 87.5 61.9 115.1

85 55.6 40.0 74.2



#46

Tetrachloroethene

Concen: 52.494 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

Tgt Ion:164 Resp: 54361

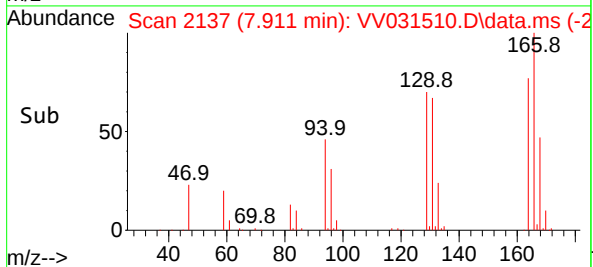
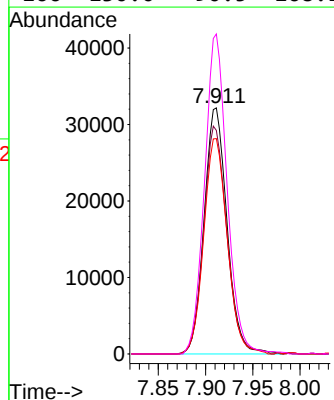
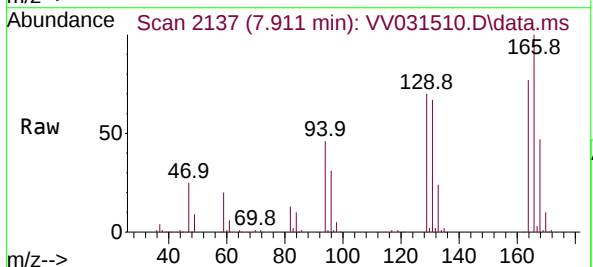
Ion Ratio Lower Upper

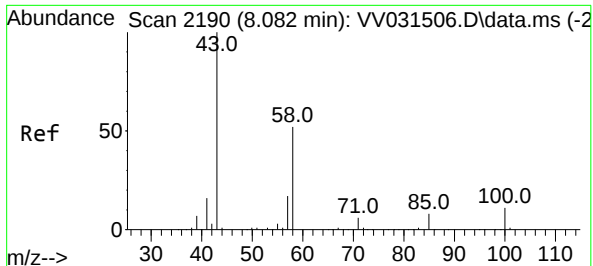
164 100

129 90.9 68.0 126.4

131 87.5 65.5 121.7

166 130.0 90.5 168.1

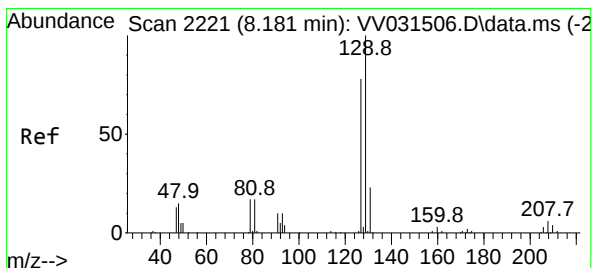
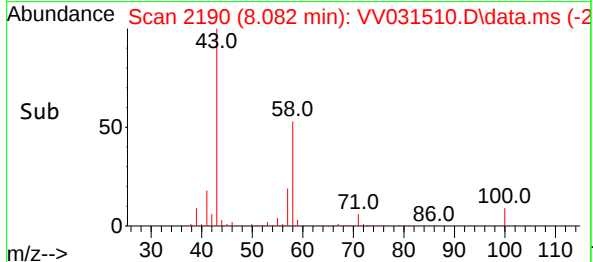
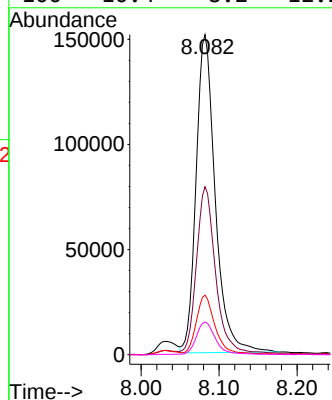
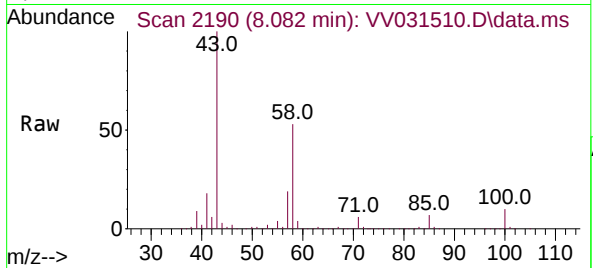




#48
2-Hexanone
Concen: 111.669 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV031510.D
Acq: 13 Jun 2023 15:13

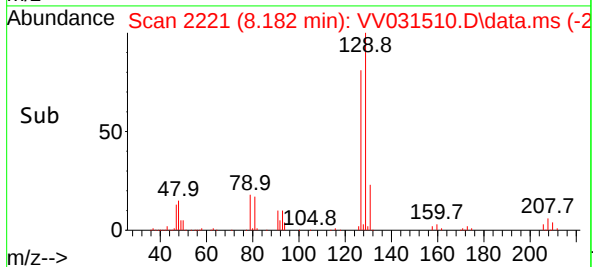
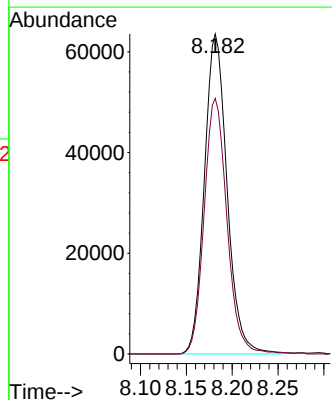
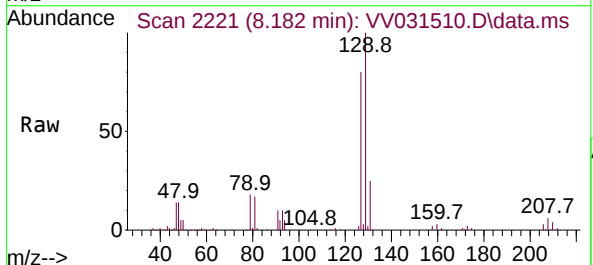
Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

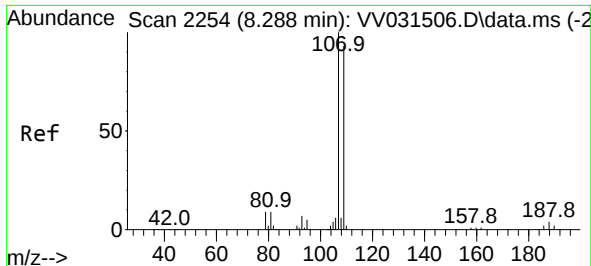
Tgt Ion: 43 Resp: 258770
Ion Ratio Lower Upper
43 100
58 50.9 42.9 64.3
57 17.9 14.6 22.0
100 10.4 8.2 12.2



#49
Dibromochloromethane
Concen: 53.253 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031510.D
Acq: 13 Jun 2023 15:13

Tgt Ion: 129 Resp: 109429
Ion Ratio Lower Upper
129 100
127 79.9 55.5 103.1





#50

1,2-Dibromoethane

Concen: 53.144 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD050370

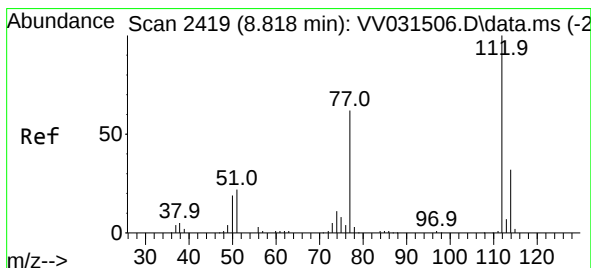
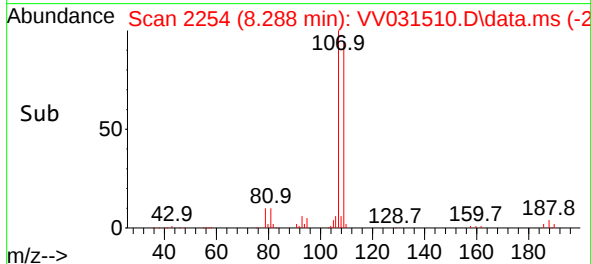
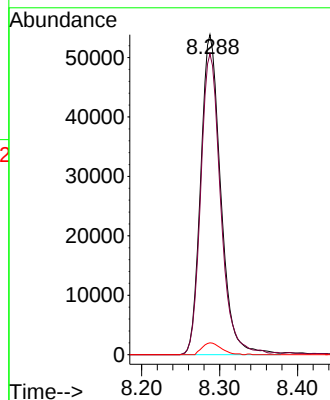
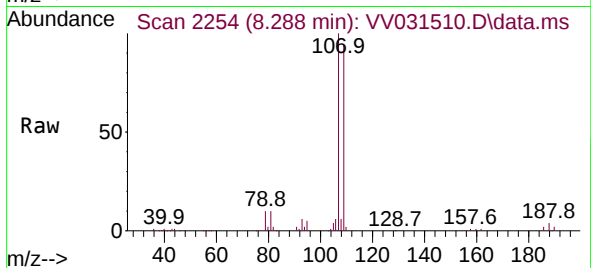
Tgt Ion:107 Resp: 96377

Ion Ratio Lower Upper

107 100

109 94.0 64.1 119.1

188 3.7 3.3 4.9



#51

Chlorobenzene

Concen: 51.822 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.000 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

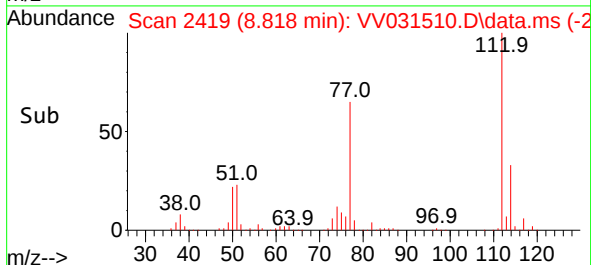
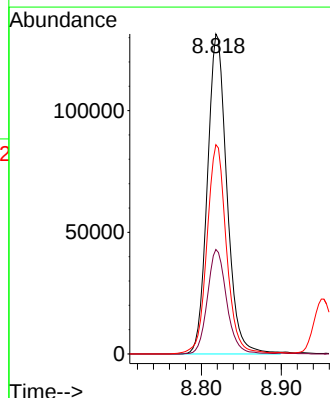
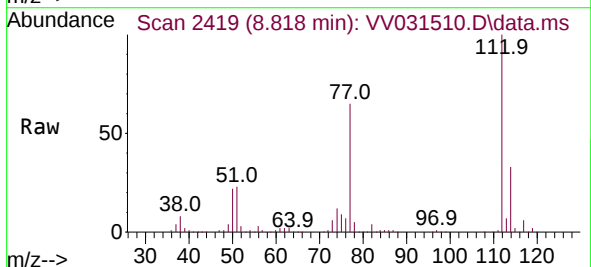
Tgt Ion:112 Resp: 223310

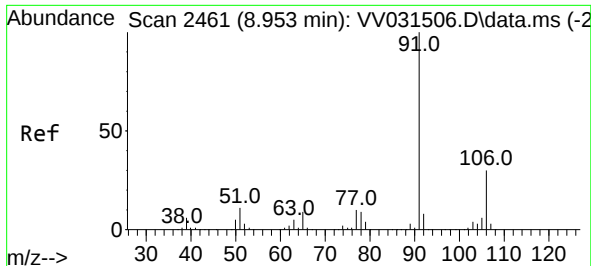
Ion Ratio Lower Upper

112 100

114 32.7 22.4 41.6

77 65.4 52.4 78.6





#52

Ethylbenzene

Concen: 52.595 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. 0.000 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

Instrument :

MSVOA_V

ClientSampleId :

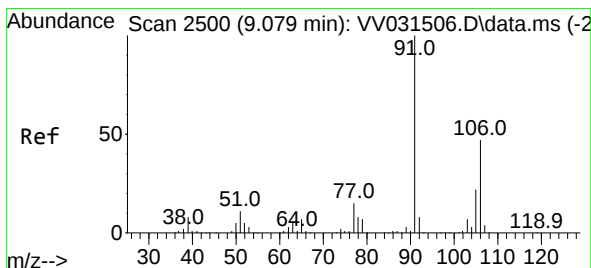
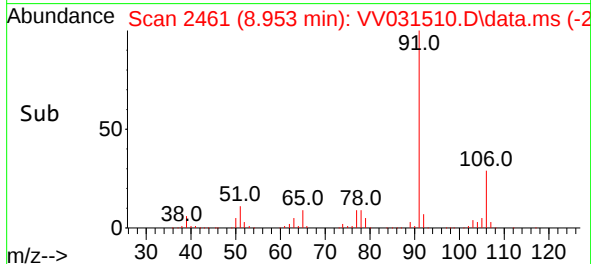
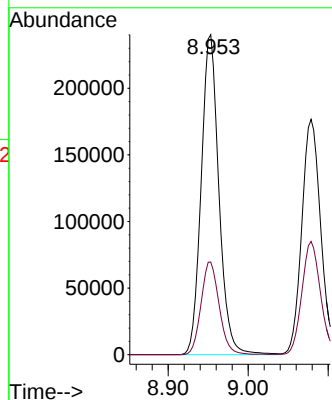
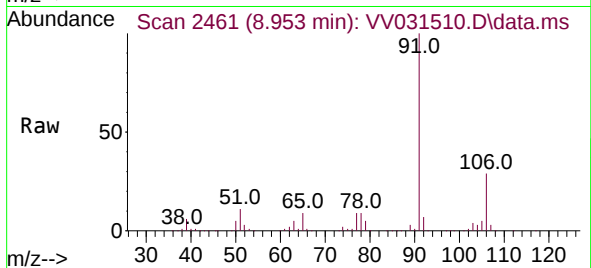
VSTD050370

Tgt Ion: 91 Resp: 370957

Ion Ratio Lower Upper

91 100

106 29.0 20.4 38.0



#53

m,p-Xylene

Concen: 54.048 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.000 min

Lab File: VV031510.D

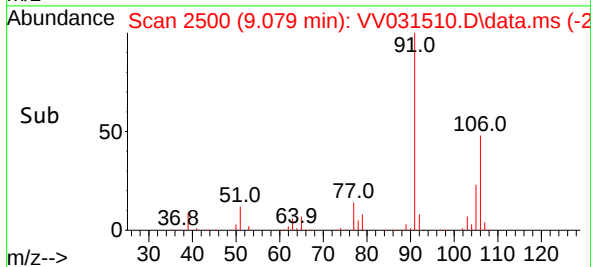
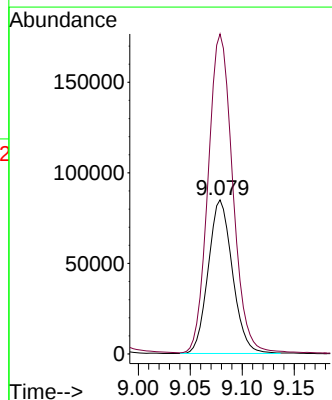
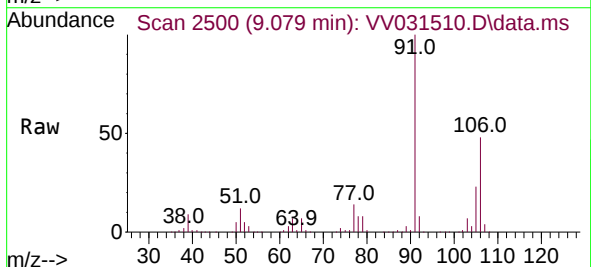
Acq: 13 Jun 2023 15:13

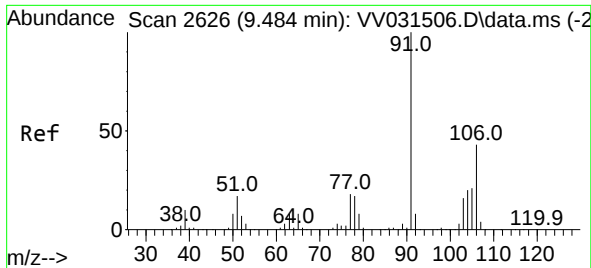
Tgt Ion: 106 Resp: 137373

Ion Ratio Lower Upper

106 100

91 207.7 149.4 277.5

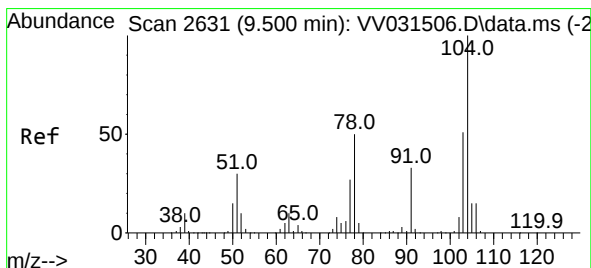
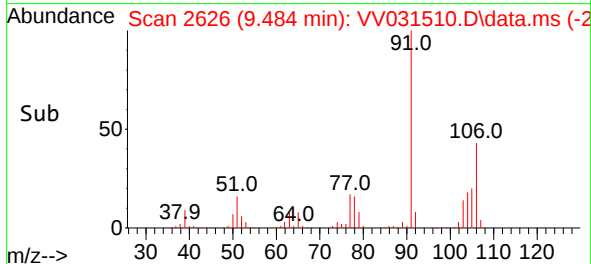
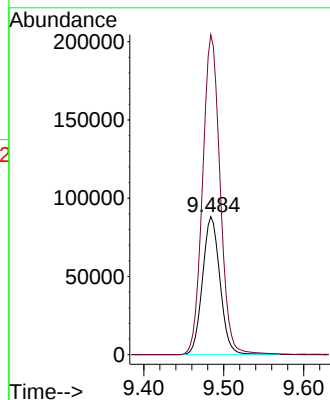
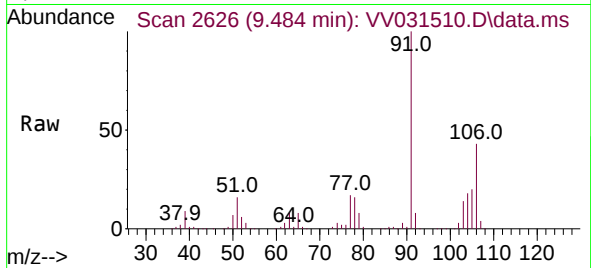




#54
o-Xylene
Concen: 52.515 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031510.D
Acq: 13 Jun 2023 15:13

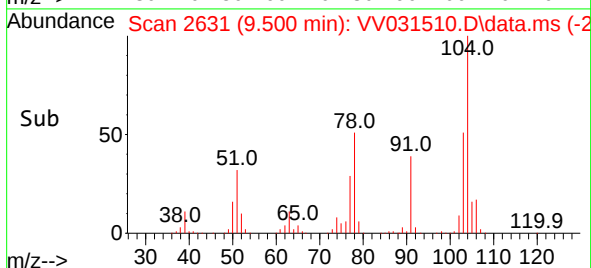
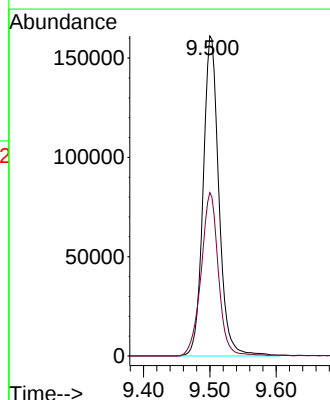
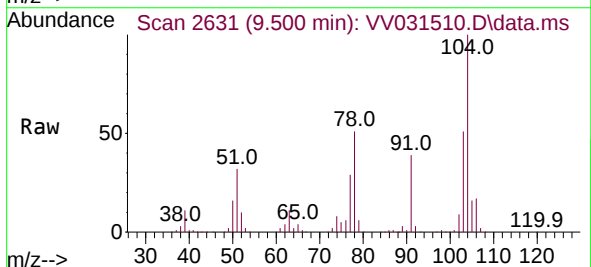
Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

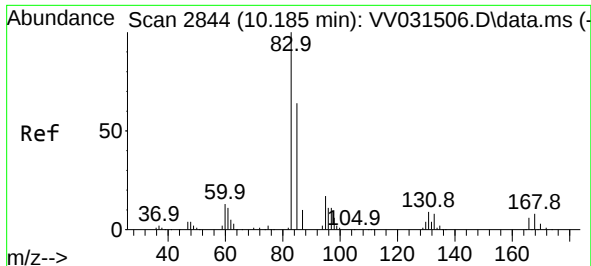
Tgt Ion:106 Resp: 134651
Ion Ratio Lower Upper
106 100
91 231.9 163.8 304.2



#55
Styrene
Concen: 56.933 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031510.D
Acq: 13 Jun 2023 15:13

Tgt Ion:104 Resp: 266138
Ion Ratio Lower Upper
104 100
78 51.1 35.9 66.7





#57

1,1,2,2-Tetrachloroethane

Concen: 47.838 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. 0.000 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD050370

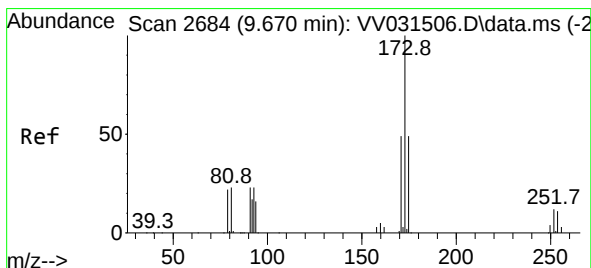
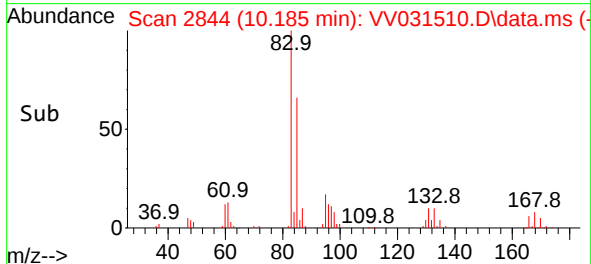
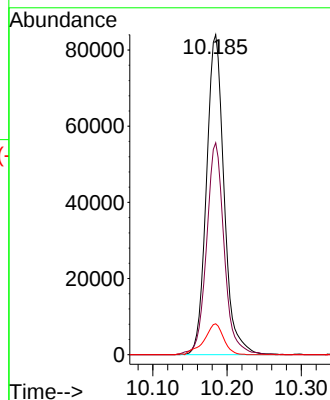
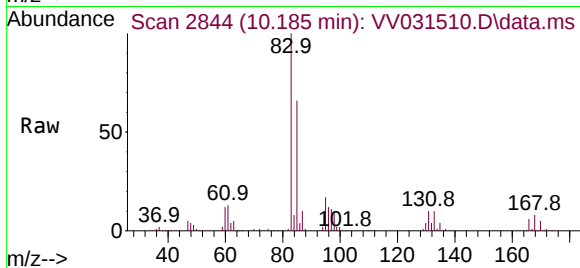
Tgt Ion: 83 Resp: 138136

Ion Ratio Lower Upper

83 100

85 66.2 43.7 81.1

131 9.7 7.3 10.9



#59

Bromoform

Concen: 46.761 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.000 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

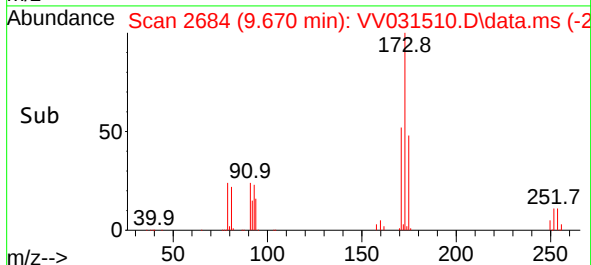
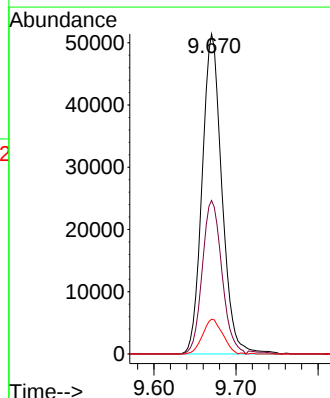
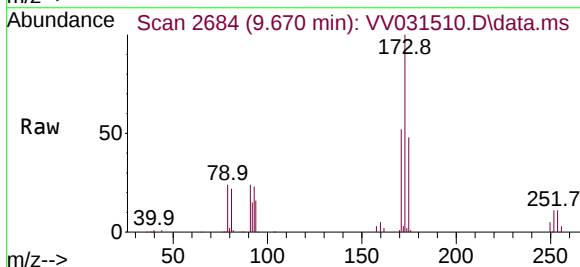
Tgt Ion: 173 Resp: 86060

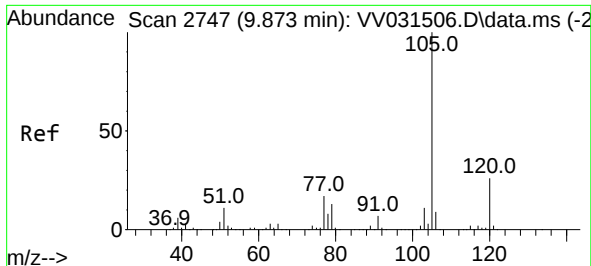
Ion Ratio Lower Upper

173 100

175 47.6 38.8 58.2

254 11.0 8.7 13.1

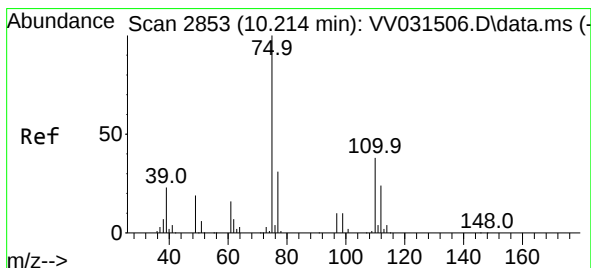
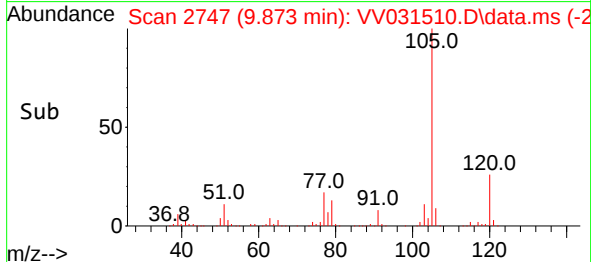
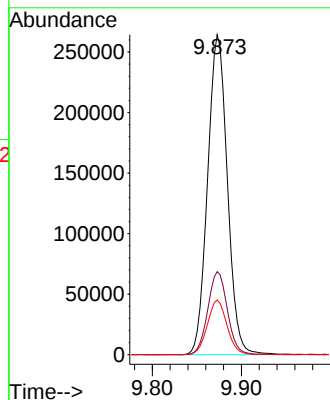
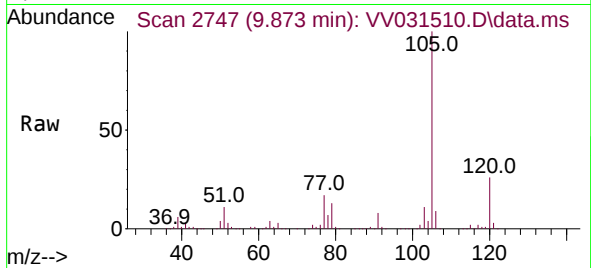




#60
Isopropylbenzene
Concen: 49.590 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031510.D
Acq: 13 Jun 2023 15:13

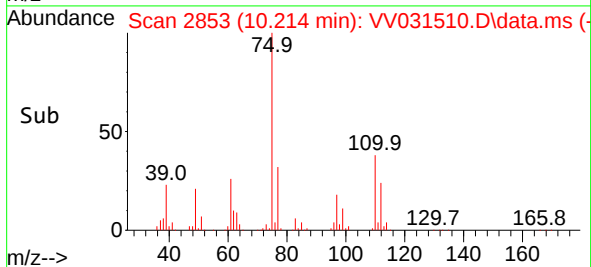
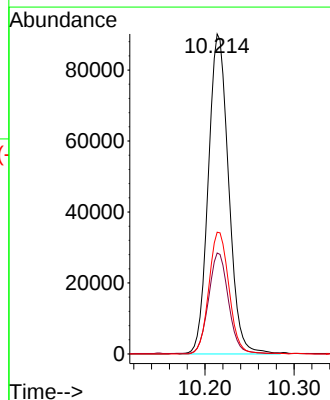
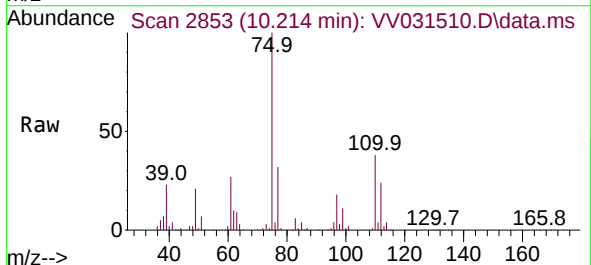
Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

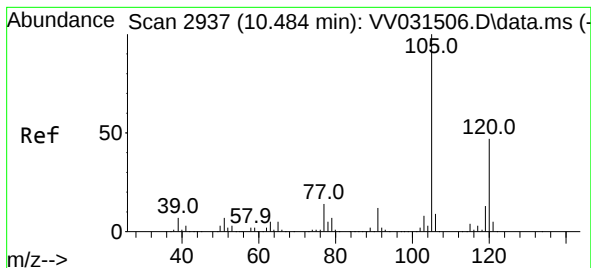
Tgt Ion:105 Resp: 407012
Ion Ratio Lower Upper
105 100
120 25.7 20.6 30.8
77 17.0 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 49.103 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031510.D
Acq: 13 Jun 2023 15:13

Tgt Ion: 75 Resp: 142775
Ion Ratio Lower Upper
75 100
77 31.1 25.6 38.4
110 37.6 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 49.178 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

Instrument :

MSVOA_V

ClientSampleId :

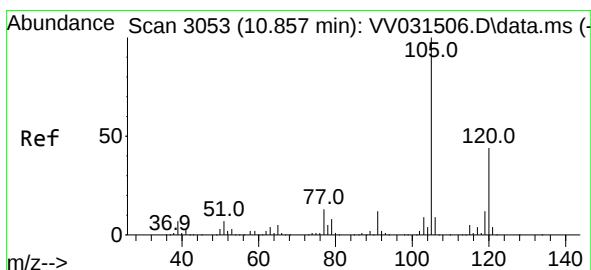
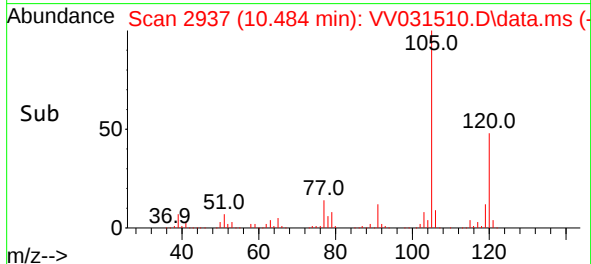
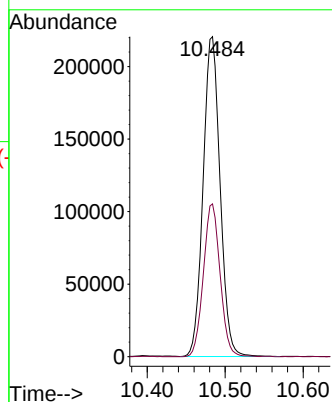
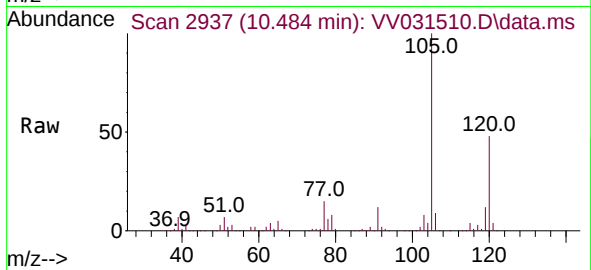
VSTD050370

Tgt Ion:105 Resp: 333350

Ion Ratio Lower Upper

105 100

120 47.1 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 50.953 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VV031510.D

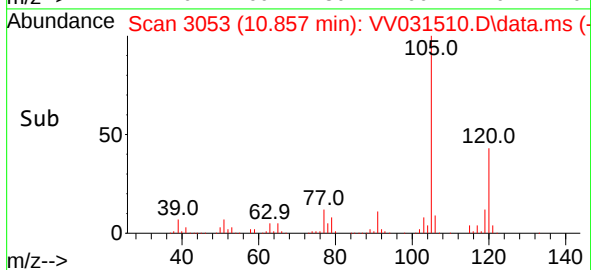
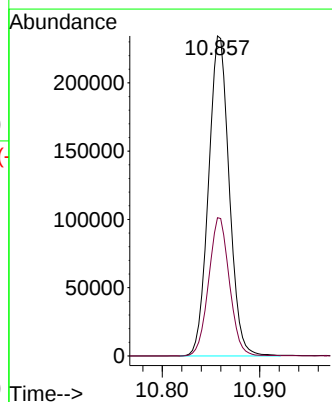
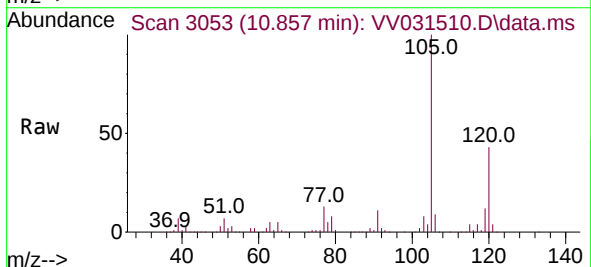
Acq: 13 Jun 2023 15:13

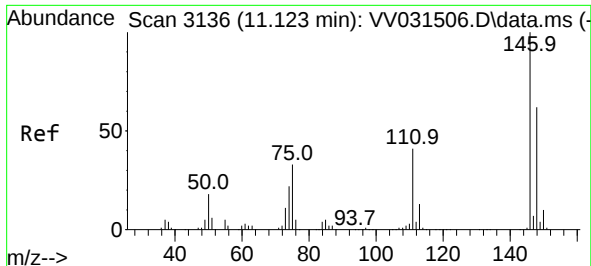
Tgt Ion:105 Resp: 345711

Ion Ratio Lower Upper

105 100

120 43.4 35.0 52.4





#64

1,3-Dichlorobenzene

Concen: 51.188 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. 0.000 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD050370

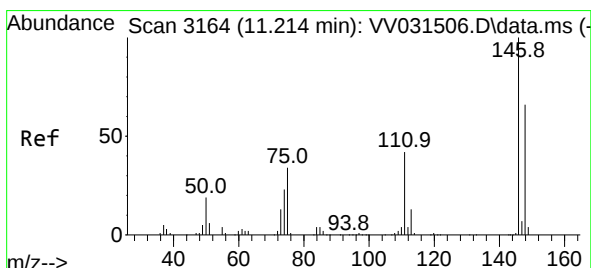
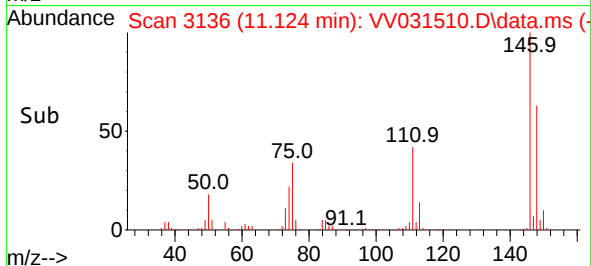
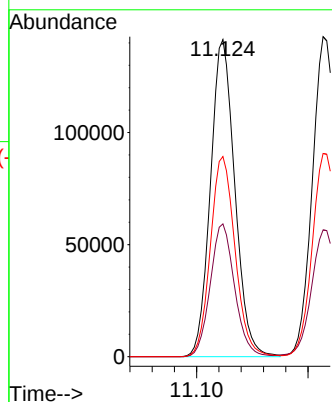
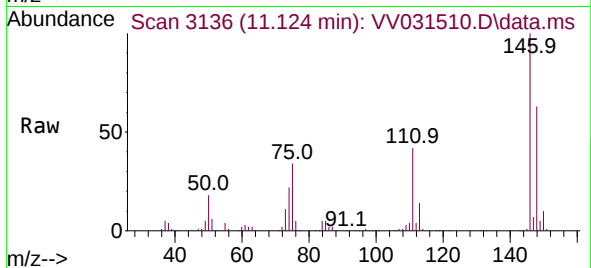
Tgt Ion:146 Resp: 215047

Ion Ratio Lower Upper

146 100

111 41.9 29.3 54.5

148 63.1 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 51.005 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

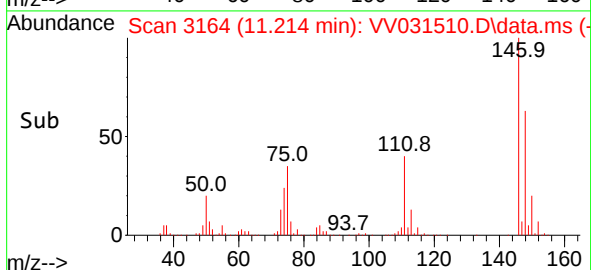
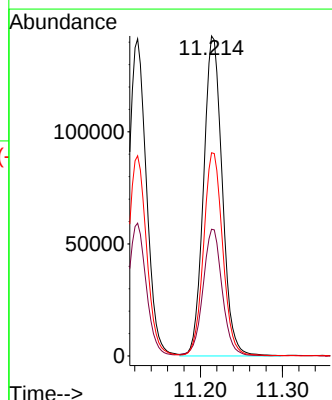
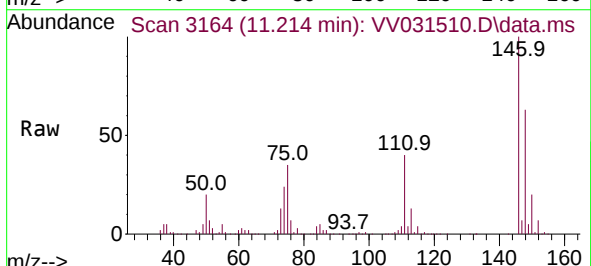
Tgt Ion:146 Resp: 226647

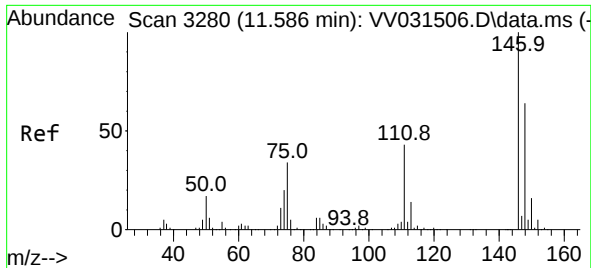
Ion Ratio Lower Upper

146 100

111 39.6 28.1 52.3

148 63.5 45.1 83.7

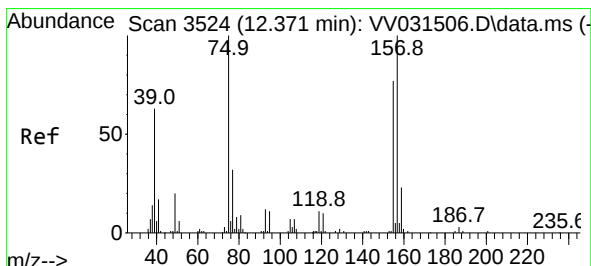
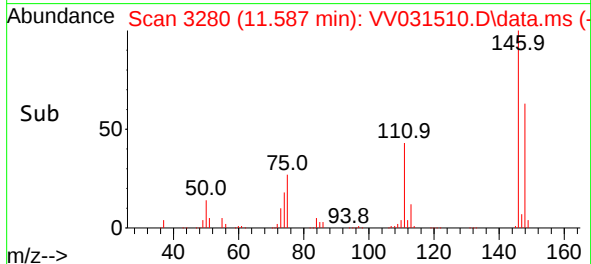
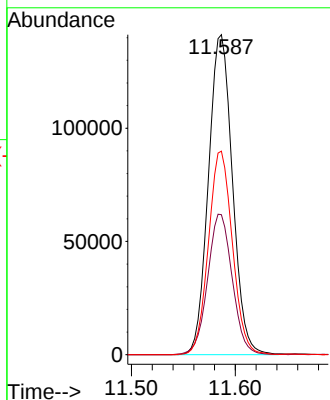
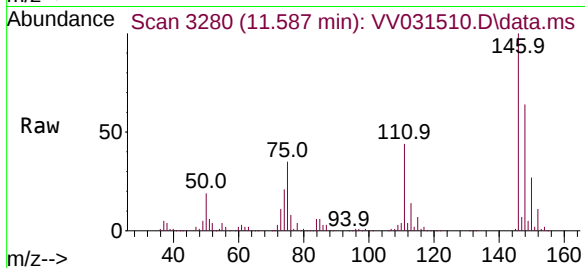




#67
1,2-Dichlorobenzene
Concen: 52.801 ug/L
RT: 11.587 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV031510.D
Acq: 13 Jun 2023 15:13

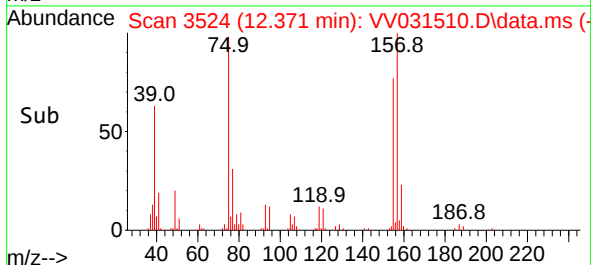
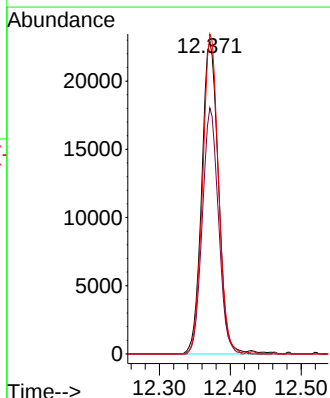
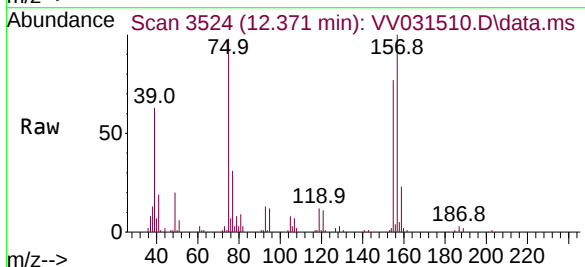
Instrument :
MSVOA_V
ClientSampleId :
VSTD050370

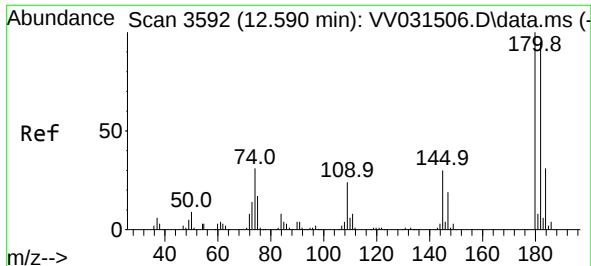
Tgt Ion:146 Resp: 227394
Ion Ratio Lower Upper
146 100
111 43.8 34.5 51.7
148 63.6 51.5 77.3



#68
1,2-Dibromo-3-chloropropane
Concen: 48.779 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. 0.000 min
Lab File: VV031510.D
Acq: 13 Jun 2023 15:13

Tgt Ion: 75 Resp: 37594
Ion Ratio Lower Upper
75 100
155 78.8 62.1 93.1
157 102.4 74.9 112.3





#69

1,3,5-Trichlorobenzene

Concen: 53.124 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV031510.D

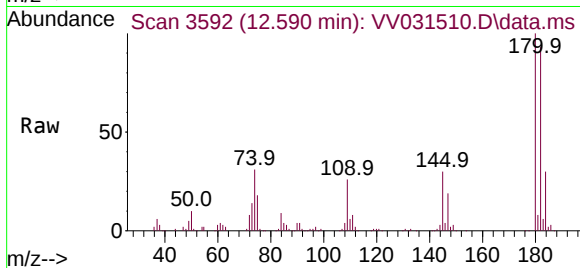
Acq: 13 Jun 2023 15:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD050370



Tgt Ion:180 Resp: 171824

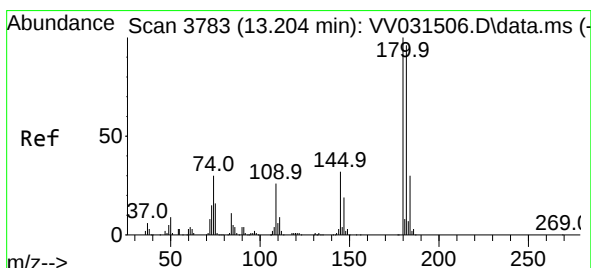
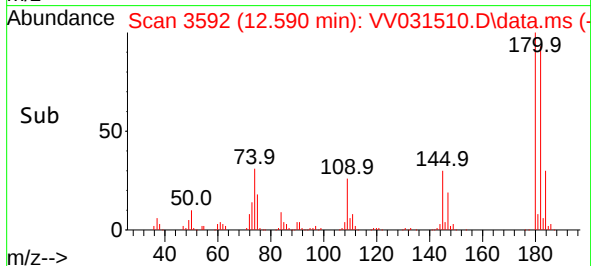
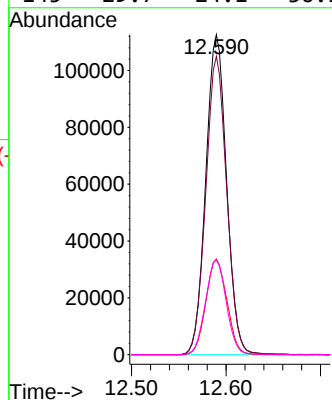
Ion Ratio Lower Upper

180 100

182 94.0 75.7 113.5

184 30.2 23.9 35.9

145 29.7 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 52.842 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

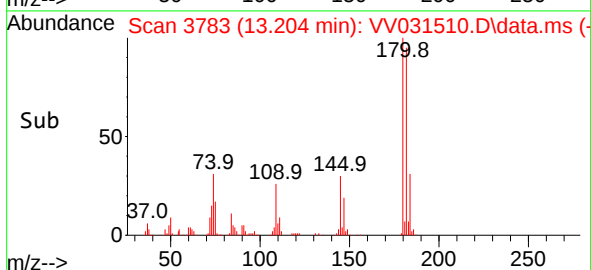
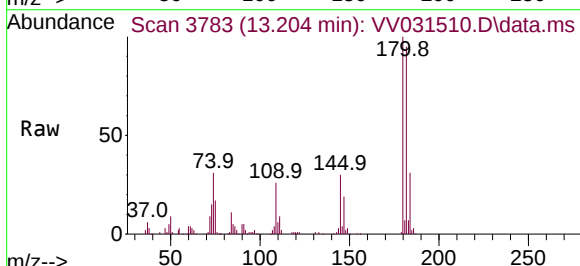
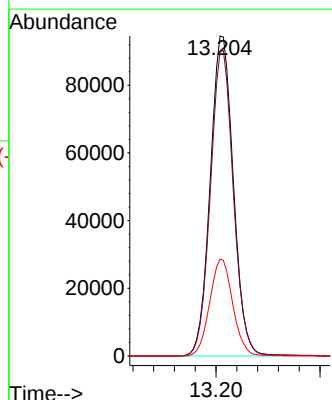
Tgt Ion:180 Resp: 145807

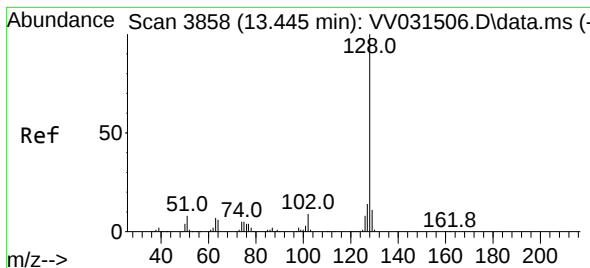
Ion Ratio Lower Upper

180 100

182 94.8 77.0 115.6

145 30.2 24.2 36.2





#71

Naphthalene

Concen: 46.082 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD050370

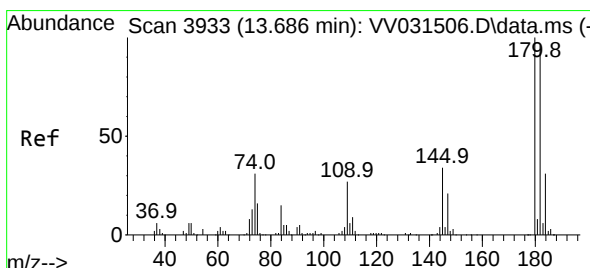
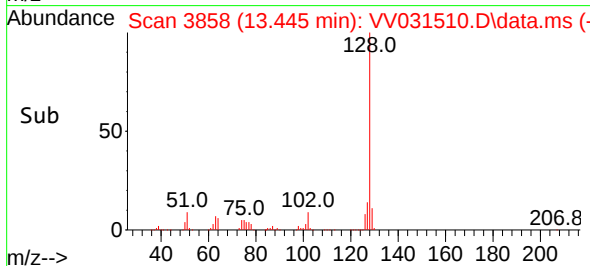
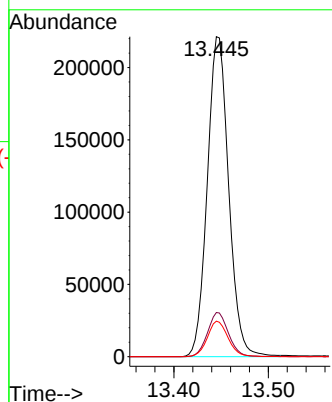
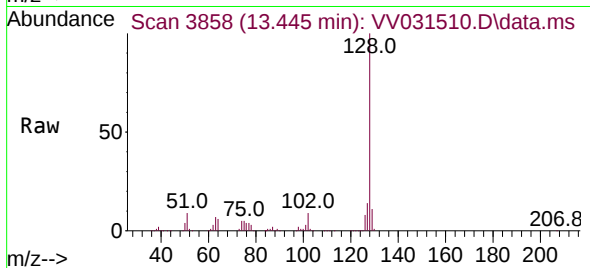
Tgt Ion:128 Resp: 348509

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

129 10.8 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 53.669 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031510.D

Acq: 13 Jun 2023 15:13

Tgt Ion:180 Resp: 148437

Ion Ratio Lower Upper

180 100

182 95.6 77.4 116.2

145 32.5 25.6 38.4

