

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060823\
 Data File : VW031481.D
 Acq On : 09 Jun 2023 04:49
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050364

Quant Time: Jun 09 06:56:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 09 06:27:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	243490	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	255177	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	152643	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	69279	32.338	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	64.680%		
7) Chloroethane-d5	1.532	69	63069	36.363	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	72.720%		
11) 1,1-Dichloroethene-d2	2.063	65	35517	34.981	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	69.960%		
21) 2-Butanone-d5	3.793	46	149851	96.788	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.790%		
24) Chloroform-d	4.256	84	179989	44.168	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.340%		
26) 1,2-Dichloroethane-d4	4.947	65	120486	44.074	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.140%		
32) Benzene-d6	4.966	84	299463	39.749	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.500%		
36) 1,2-Dichloropropane-d6	5.995	67	107302	40.975	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	81.960%		
41) Toluene-d8	7.249	98	278077	40.180	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	80.360%		
43) trans-1,3-Dichloroprop...	7.558	79	50470	38.261	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	76.520%		
47) 2-Hexanone-d5	8.030	63	91664	92.937	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	92.940%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	146083	44.203	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.400%		
66) 1,2-Dichlorobenzene-d4	11.567	152	120912	42.701	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.400%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	49381	50.572	ug/L	97
3) Chloromethane	1.217	50	38958	49.165	ug/L	97
5) Vinyl chloride	1.285	62	46931	49.642	ug/L	100
6) Bromomethane	1.484	94	28175	49.585	ug/L	99
8) Chloroethane	1.548	64	38987	51.184	ug/L	96
9) Trichlorofluoromethane	1.716	101	121226	53.124	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	76621	51.922	ug/L	97
12) 1,1-Dichloroethene	2.072	96	50464	51.951	ug/L	78
13) Acetone	2.117	43	110836	80.024	ug/L	99
14) Carbon disulfide	2.243	76	36755	44.235	ug/L	98
15) Methyl Acetate	2.375	43	113159	54.105	ug/L	100
16) Methylene chloride	2.449	84	79577	54.271	ug/L	97
17) trans-1,2-Dichloroethene	2.699	96	47149	51.195	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	297743	52.596	ug/L	99
19) 1,1-Dichloroethane	3.117	63	172567	54.169	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	81383	54.353	ug/L	96
22) 2-Butanone	3.873	43	165212	97.053	ug/L	99
23) Bromochloromethane	4.153	128	43338	55.040	ug/L	99
25) Chloroform	4.281	83	195673	55.081	ug/L	97

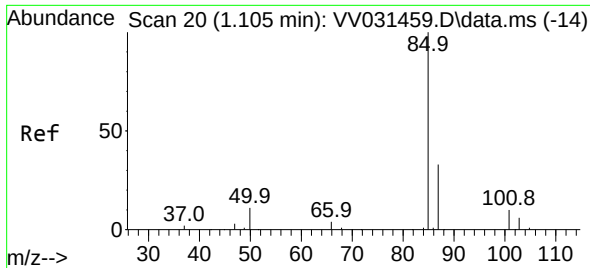
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	147386	56.819	ug/L	98
29) Cyclohexane	4.590	56	64353	47.087	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	158432	52.599	ug/L	98
31) Carbon tetrachloride	4.741	117	128819	51.483	ug/L	99
33) Benzene	5.018	78	294370	52.282	ug/L	100
34) Trichloroethene	5.838	95	94557	53.305	ug/L	99
35) Methylcyclohexane	6.056	83	71425	47.078	ug/L	98
37) 1,2-Dichloropropane	6.098	63	109040	53.804	ug/L	100
38) Bromodichloromethane	6.439	83	153732	51.828	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	147882	48.841	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	361248	109.729	ug/L	99
42) Toluene	7.320	91	341659	54.212	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	155795	50.730	ug/L	97
45) 1,1,2-Trichloroethane	7.773	97	113157	54.018	ug/L	99
46) Tetrachloroethene	7.908	164	58917	51.161	ug/L	97
48) 2-Hexanone	8.082	43	287145	111.429	ug/L	98
49) Dibromochloromethane	8.182	129	122223	53.487	ug/L	96
50) 1,2-Dibromoethane	8.288	107	108554	53.828	ug/L	96
51) Chlorobenzene	8.818	112	247244	51.596	ug/L	98
52) Ethylbenzene	8.953	91	412250	52.561	ug/L	100
53) m,p-Xylene	9.079	106	149694	52.961	ug/L	100
54) o-Xylene	9.484	106	152607	53.522	ug/L	98
55) Styrene	9.500	104	294022	56.561	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	160691	50.042	ug/L	98
59) Bromoform	9.670	173	95504	48.829	ug/L	98
60) Isopropylbenzene	9.873	105	447602	51.316	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	158748	51.374	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	369937	51.355	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	380597	52.784	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	229378	51.377	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	236580	50.099	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	237367	51.864	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	43297	52.863	ug/L	94
69) 1,3,5-Trichlorobenzene	12.590	180	170432	49.584	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	144921	49.421	ug/L	99
71) Naphthalene	13.445	128	367724	45.753	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	153829	52.336	ug/L	98

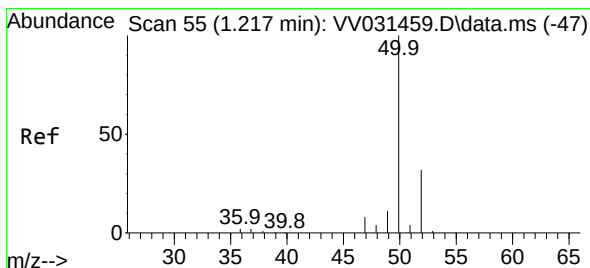
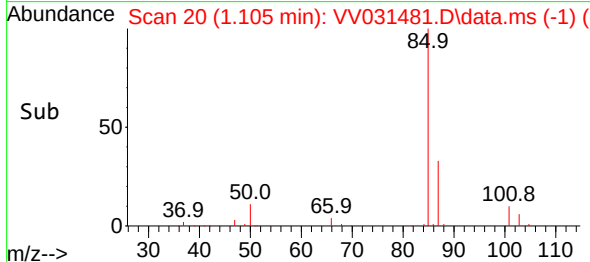
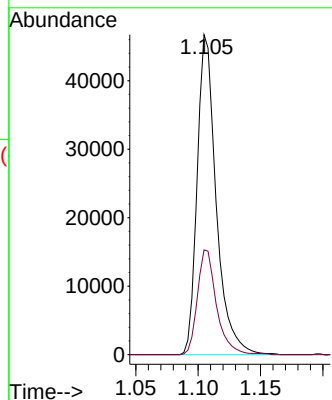
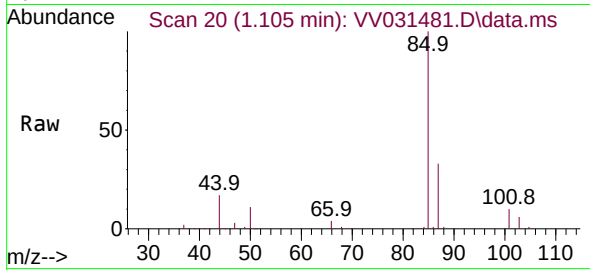
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#2
 Dichlorodifluoromethane
 Concen: 50.572 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV031481.D
 Acq: 09 Jun 2023 04:49

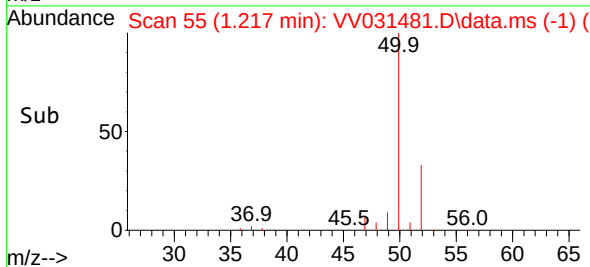
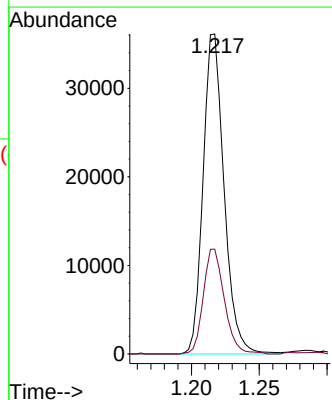
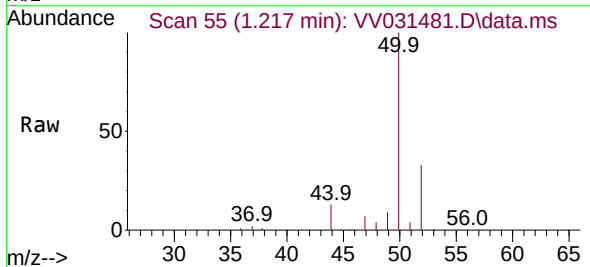
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050364

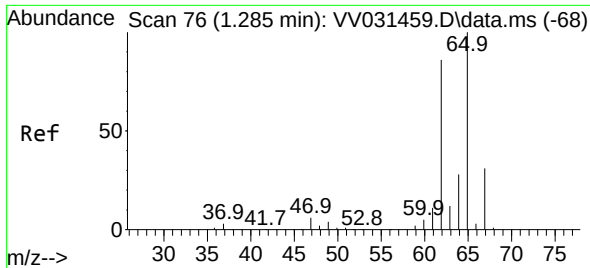
Tgt Ion: 85 Resp: 49381
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.0 37.6



#3
 Chloromethane
 Concen: 49.165 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031481.D
 Acq: 09 Jun 2023 04:49

Tgt Ion: 50 Resp: 38958
 Ion Ratio Lower Upper
 50 100
 52 32.8 21.9 40.7

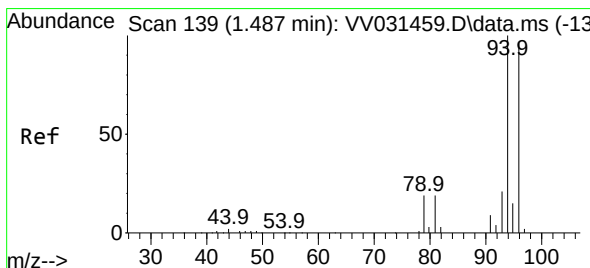
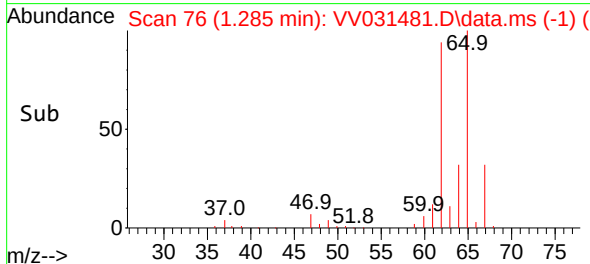
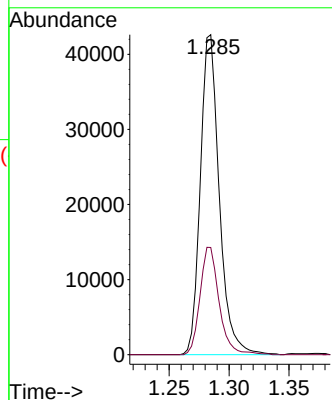
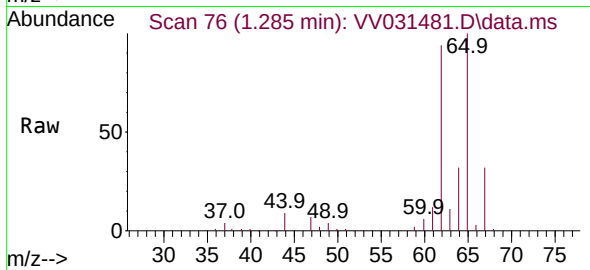




#5
 Vinyl chloride
 Concen: 49.642 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV031481.D
 Acq: 09 Jun 2023 04:49

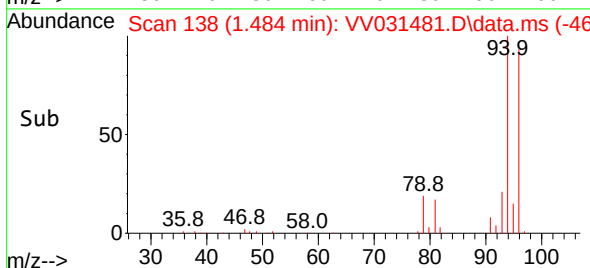
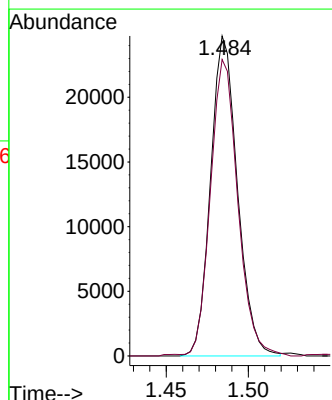
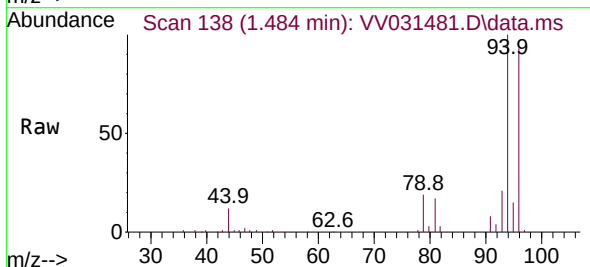
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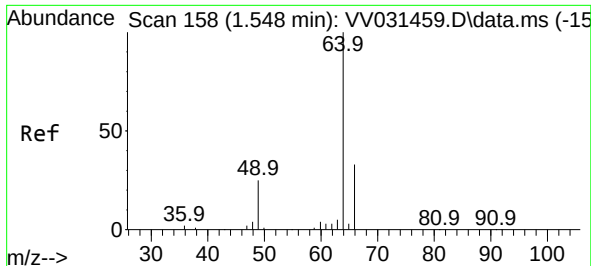
Tgt Ion: 62 Resp: 46931
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.7 43.9



#6
 Bromomethane
 Concen: 49.585 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.003 min
 Lab File: VV031481.D
 Acq: 09 Jun 2023 04:49

Tgt Ion: 94 Resp: 28175
 Ion Ratio Lower Upper
 94 100
 96 92.7 65.4 121.4

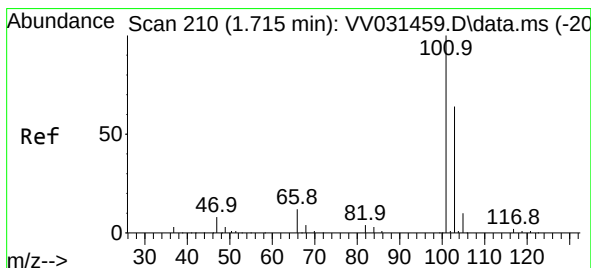
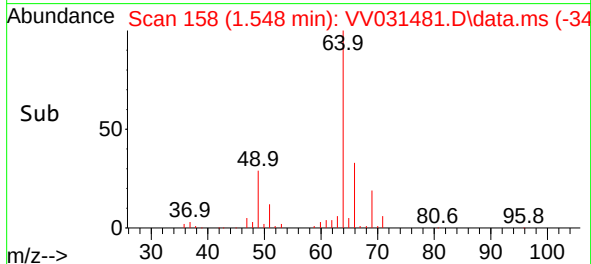
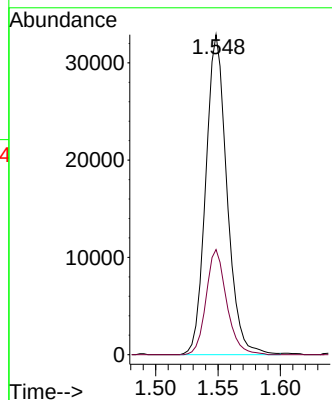
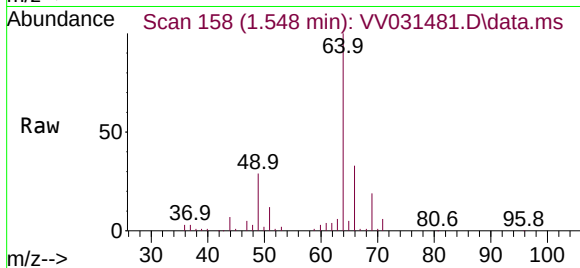




#8
Chloroethane
Concen: 51.184 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

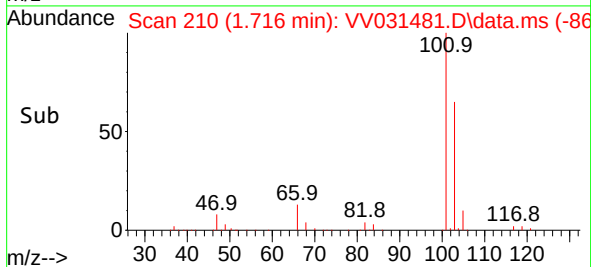
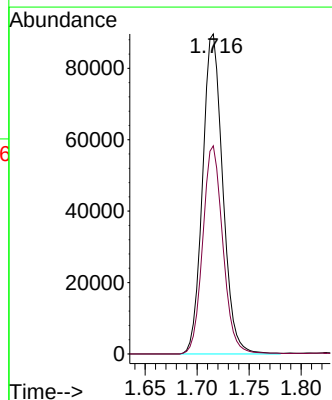
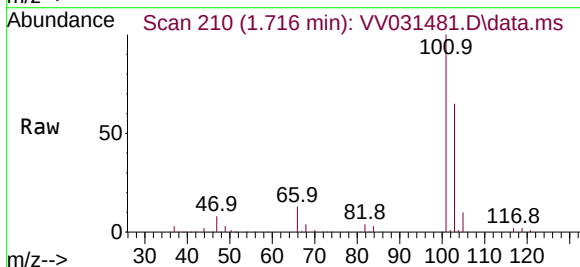
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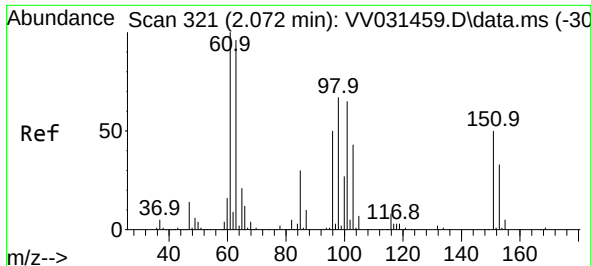
Tgt Ion: 64 Resp: 38987
Ion Ratio Lower Upper
64 100
66 32.9 21.4 39.8



#9
Trichlorofluoromethane
Concen: 53.124 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

Tgt Ion: 101 Resp: 121226
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.6

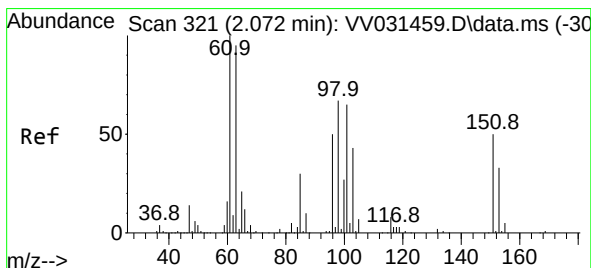
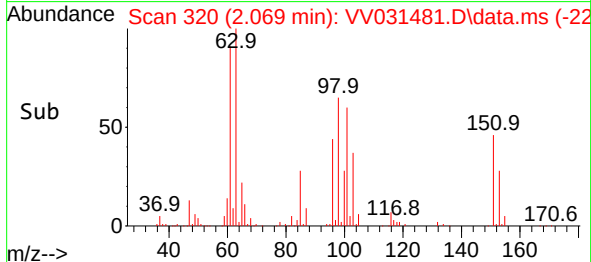
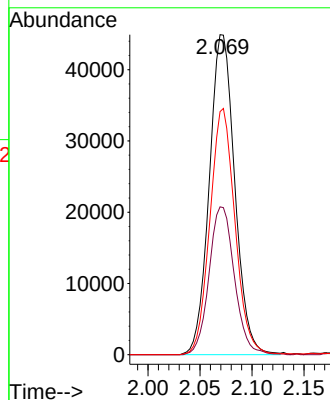
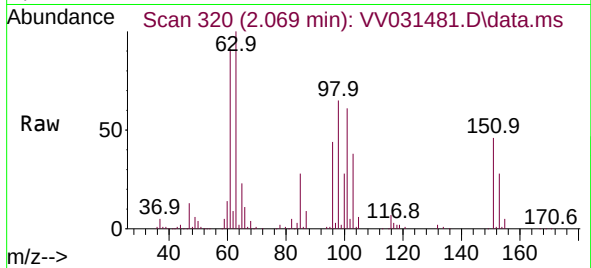




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 51.922 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV031481.D
 Acq: 09 Jun 2023 04:49

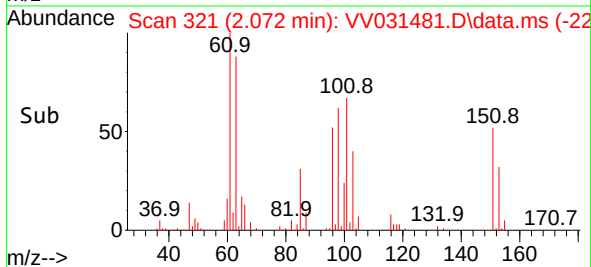
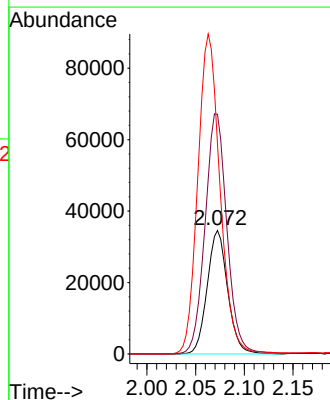
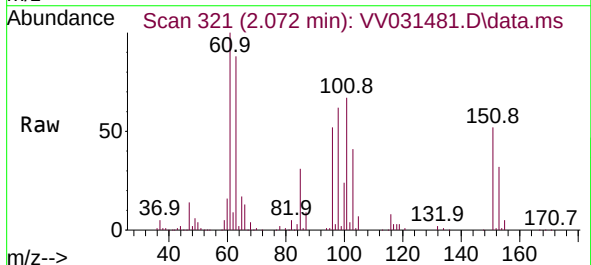
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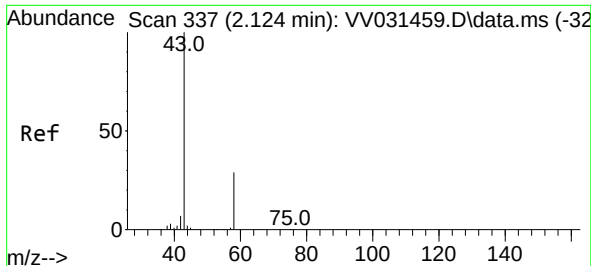
Tgt Ion:101 Resp: 76621
 Ion Ratio Lower Upper
 101 100
 85 45.9 37.3 55.9
 151 75.9 57.8 86.6



#12
 1,1-Dichloroethene
 Concen: 51.951 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031481.D
 Acq: 09 Jun 2023 04:49

Tgt Ion: 96 Resp: 50464
 Ion Ratio Lower Upper
 96 100
 61 194.0 143.9 267.3
 63 170.1 158.3 293.9





#13

Acetone

Concen: 80.024 ug/L

RT: 2.117 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV031481.D

Acq: 09 Jun 2023 04:49

Instrument :

MSVOA_V

ClientSampleId :

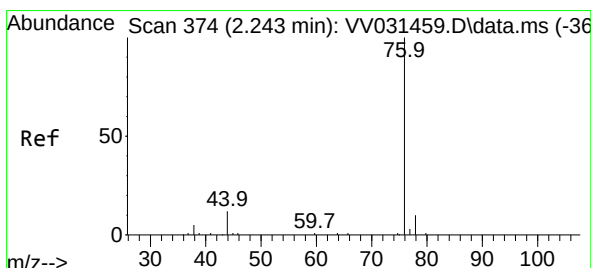
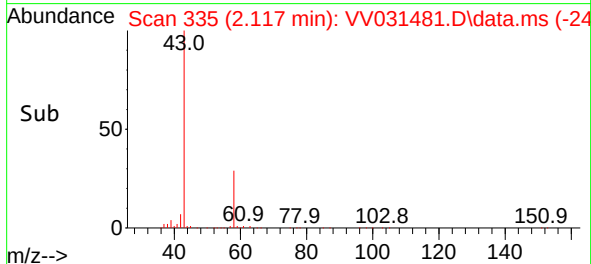
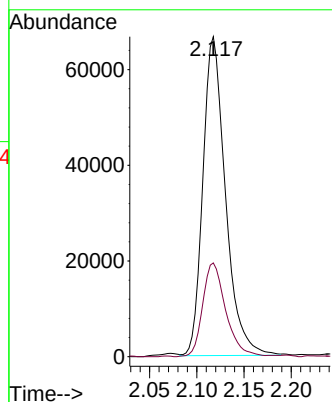
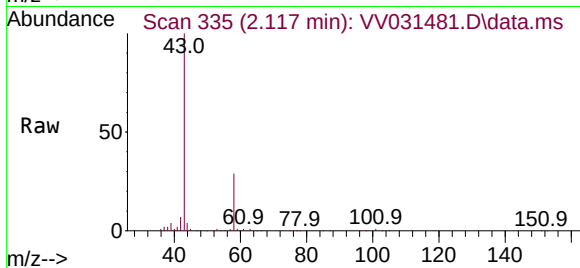
VSTD050364

Tgt Ion: 43 Resp: 110836

Ion Ratio Lower Upper

43 100

58 30.0 0.0 61.0



#14

Carbon disulfide

Concen: 44.235 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV031481.D

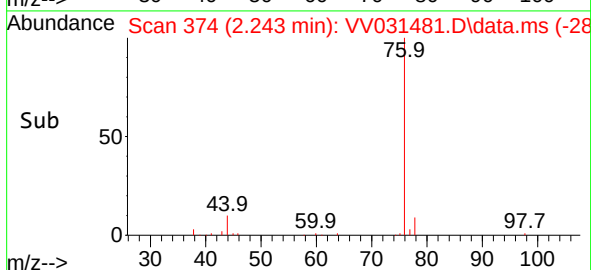
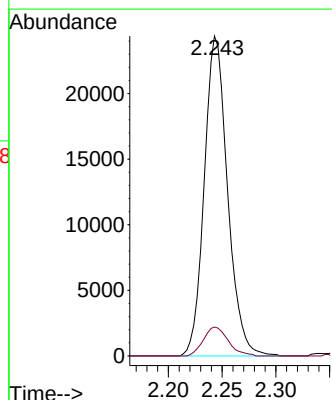
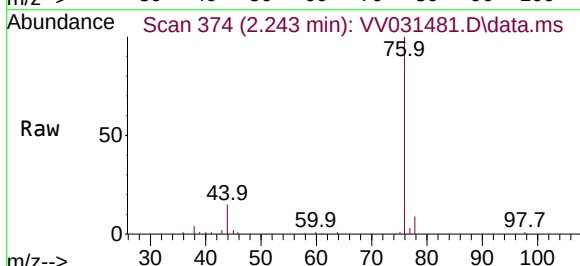
Acq: 09 Jun 2023 04:49

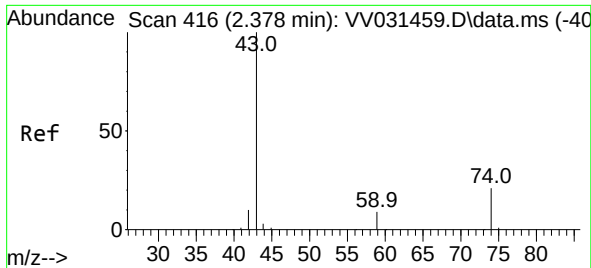
Tgt Ion: 76 Resp: 36755

Ion Ratio Lower Upper

76 100

78 9.0 7.9 11.9

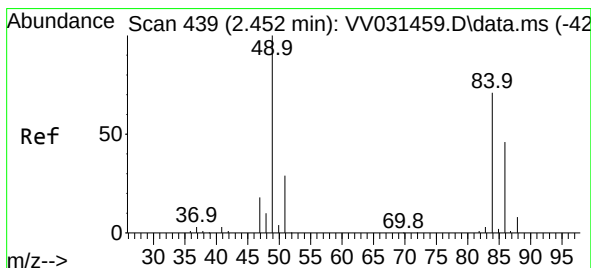
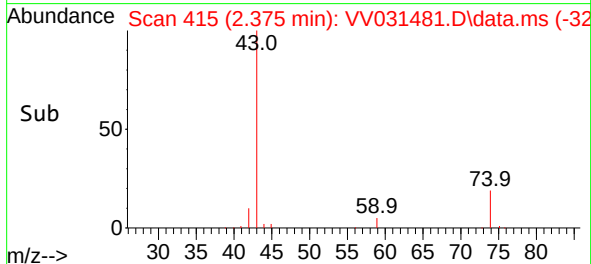
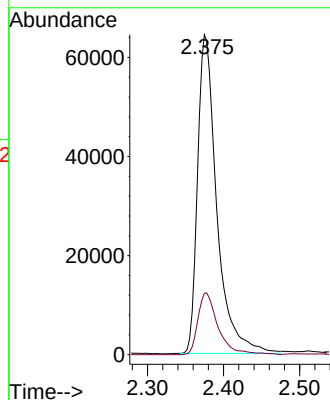
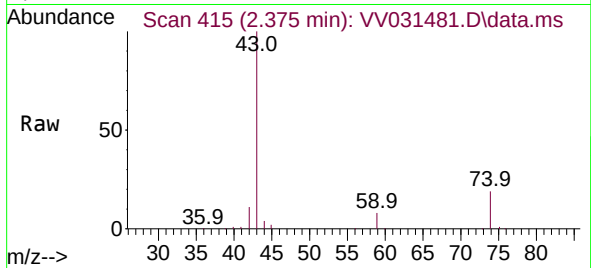




#15
Methyl Acetate
Concen: 54.105 ug/L
RT: 2.375 min Scan# 416
Delta R.T. -0.003 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

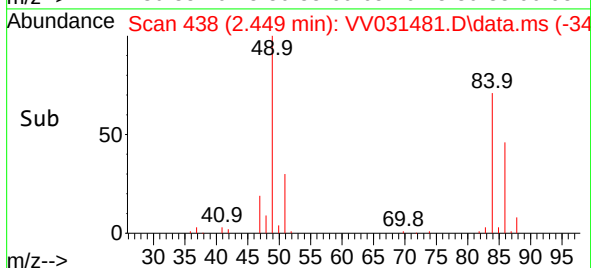
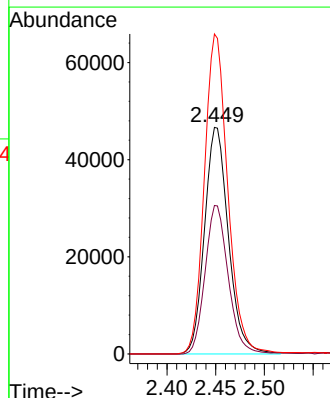
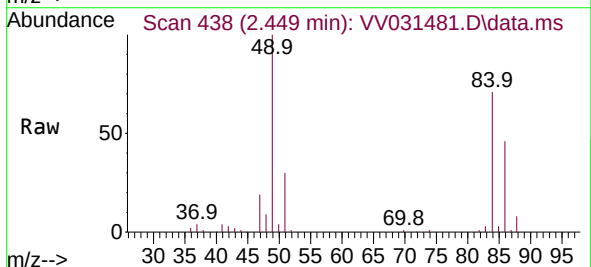
Instrument :
MSVOA_V
ClientSampleId :
VSTD050364

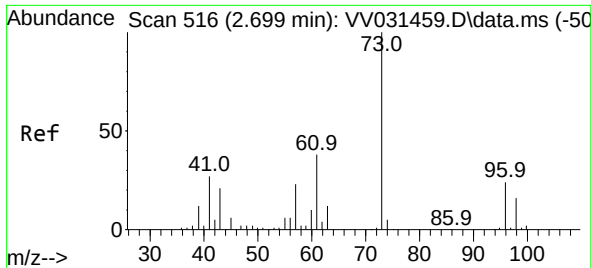
Tgt Ion: 43 Resp: 113159
Ion Ratio Lower Upper
43 100
74 20.1 16.0 24.0



#16
Methylene chloride
Concen: 54.271 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.003 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

Tgt Ion: 84 Resp: 79577
Ion Ratio Lower Upper
84 100
86 65.5 46.1 85.5
49 141.2 102.7 190.7

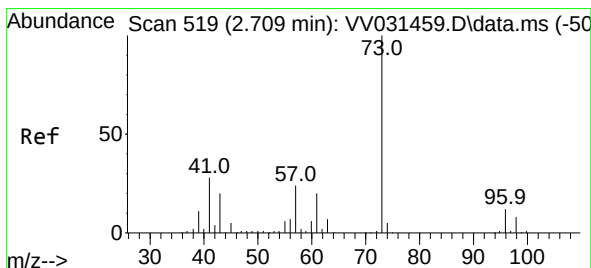
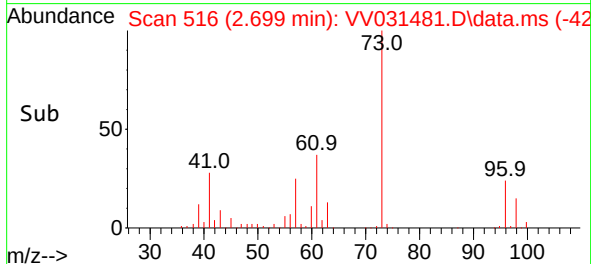
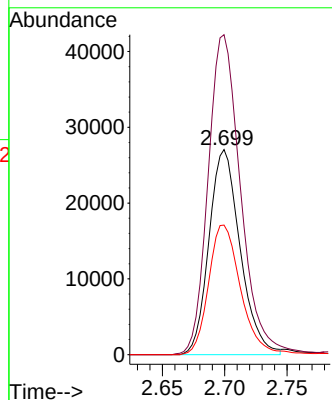
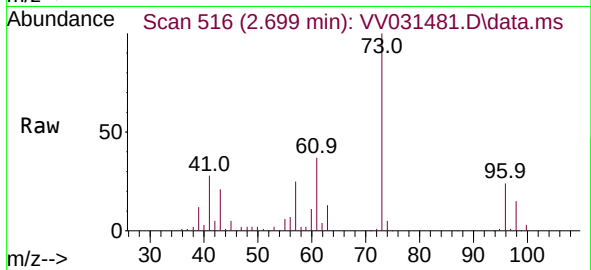




#17
trans-1,2-Dichloroethene
Concen: 51.195 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

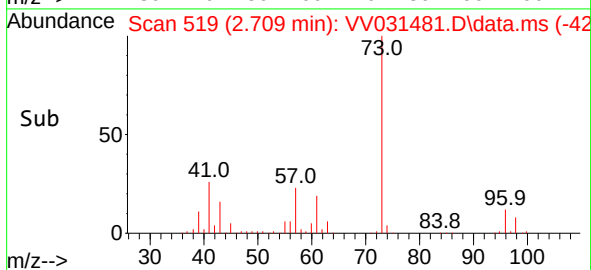
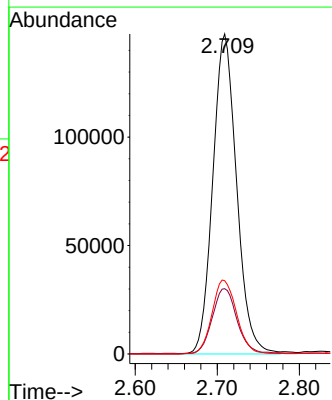
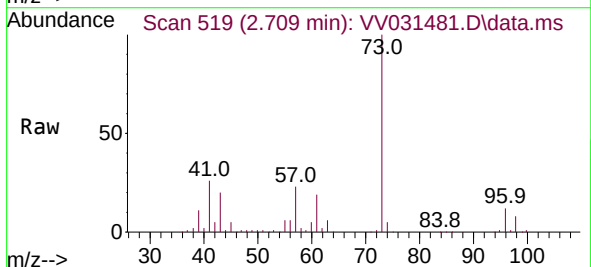
Instrument :
MSVOA_V
ClientSampleId :
VSTD050364

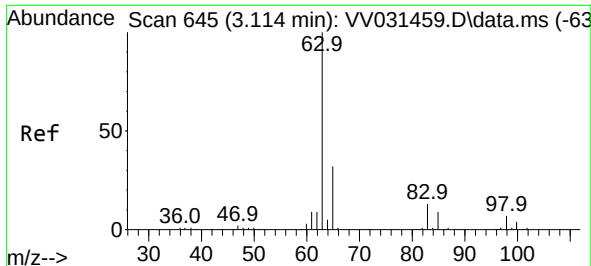
Tgt Ion: 96 Resp: 47149
Ion Ratio Lower Upper
96 100
61 156.0 106.9 198.5
98 63.2 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 52.596 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

Tgt Ion: 73 Resp: 297743
Ion Ratio Lower Upper
73 100
43 21.0 16.6 25.0
57 23.9 18.6 28.0





#19

1,1-Dichloroethane

Concen: 54.169 ug/L

RT: 3.117 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031481.D

Acq: 09 Jun 2023 04:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD050364

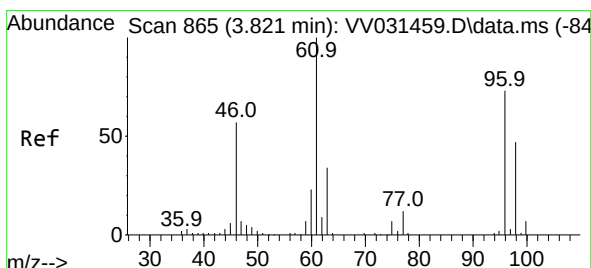
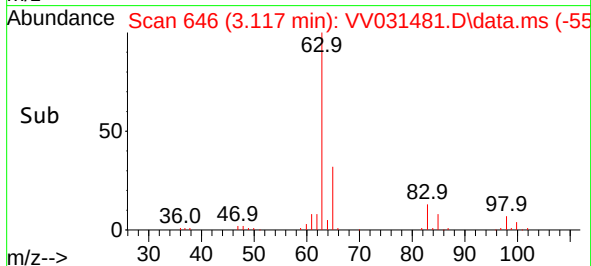
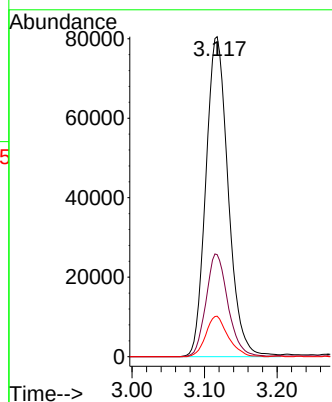
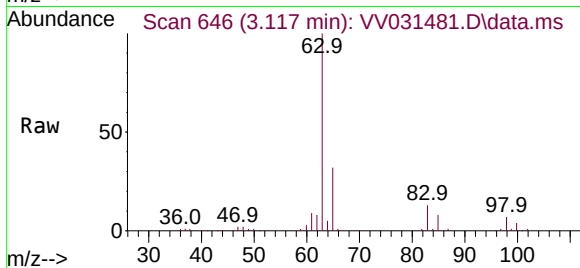
Tgt Ion: 63 Resp: 172567

Ion Ratio Lower Upper

63 100

65 31.9 21.4 39.8

83 12.7 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 54.353 ug/L

RT: 3.822 min Scan# 865

Delta R.T. 0.000 min

Lab File: VV031481.D

Acq: 09 Jun 2023 04:49

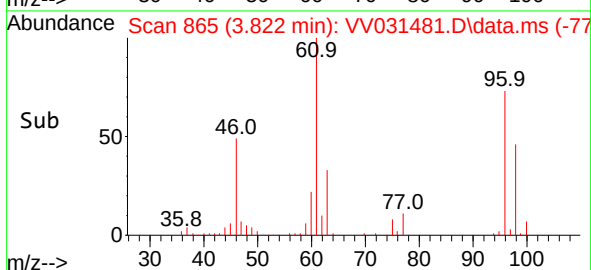
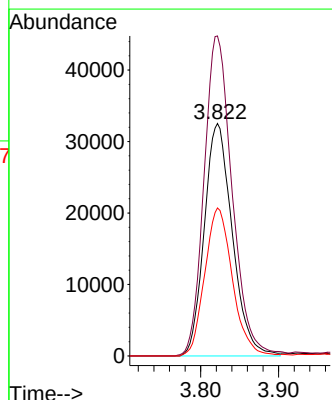
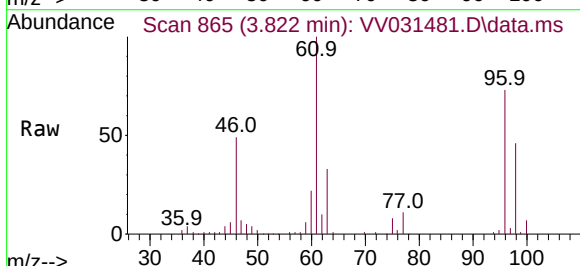
Tgt Ion: 96 Resp: 81383

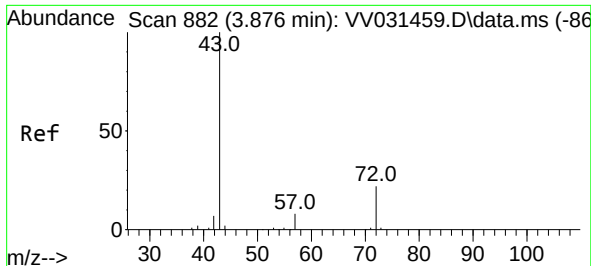
Ion Ratio Lower Upper

96 100

61 137.7 101.6 188.6

98 63.7 44.4 82.4

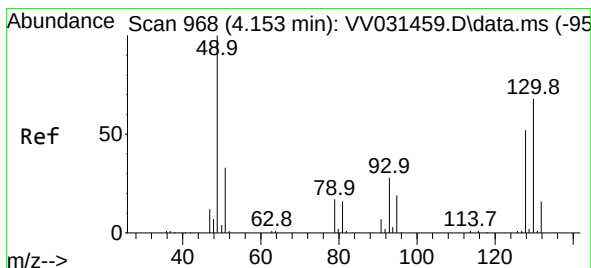
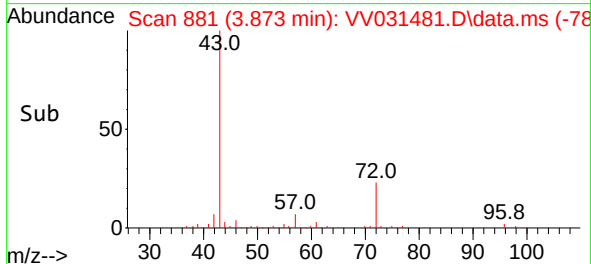
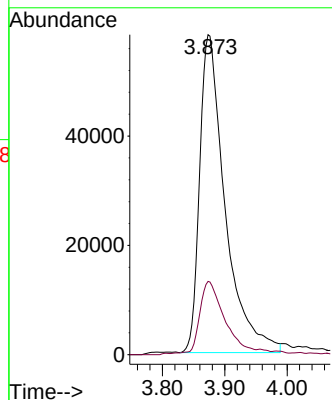
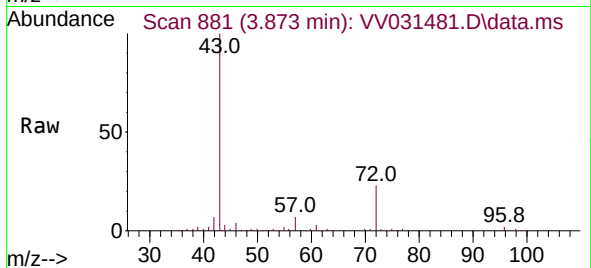




#22
2-Butanone
Concen: 97.053 ug/L
RT: 3.873 min Scan# 881
Delta R.T. -0.003 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

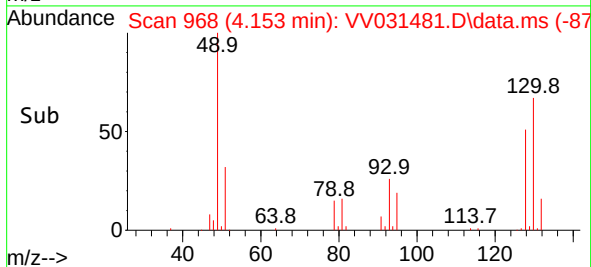
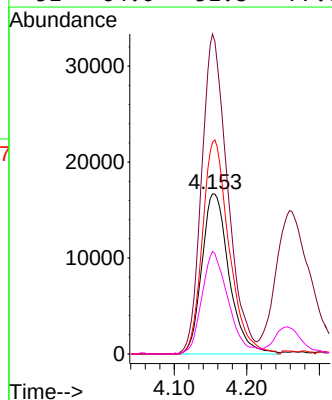
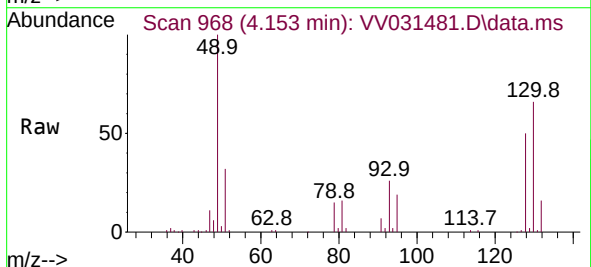
Instrument :
MSVOA_V
ClientSampleId :
VSTD050364

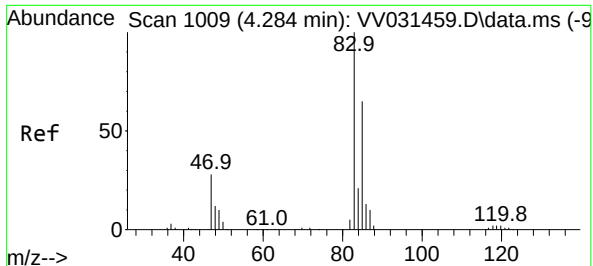
Tgt Ion: 43 Resp: 165212
Ion Ratio Lower Upper
43 100
72 21.4 10.4 31.4



#23
Bromochloromethane
Concen: 55.040 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

Tgt Ion: 128 Resp: 43338
Ion Ratio Lower Upper
128 100
49 200.0 138.2 256.6
130 132.2 91.4 169.8
51 64.0 51.8 77.6

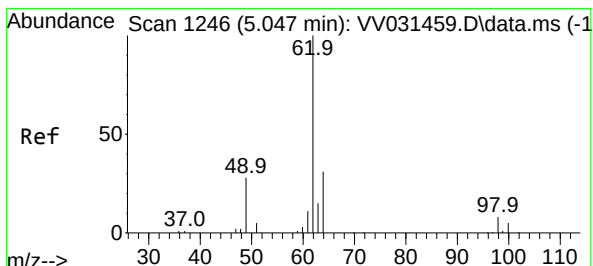
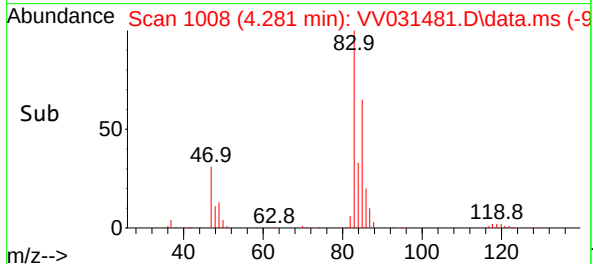
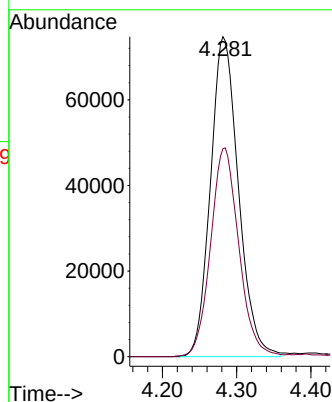
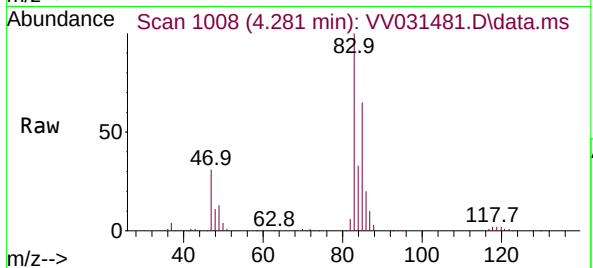




#25
Chloroform
Concen: 55.081 ug/L
RT: 4.281 min Scan# 1009
Delta R.T. -0.003 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

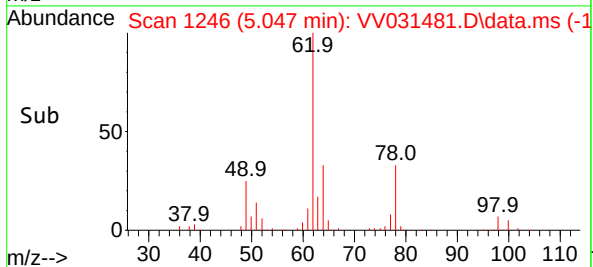
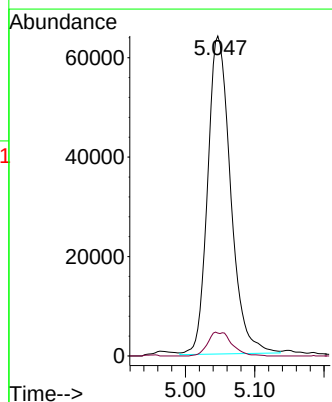
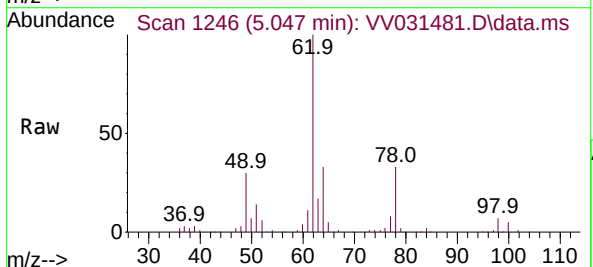
Instrument :
MSVOA_V
ClientSampleId :
VSTD050364

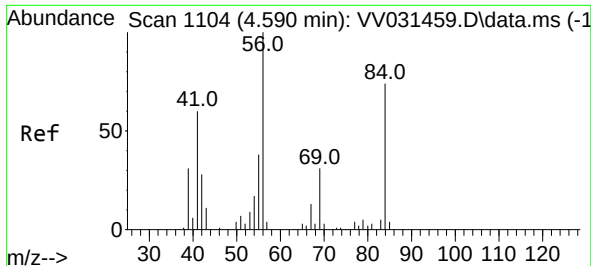
Tgt Ion: 83 Resp: 195673
Ion Ratio Lower Upper
83 100
85 65.0 43.9 81.5



#27
1,2-Dichloroethane
Concen: 56.819 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

Tgt Ion: 62 Resp: 147386
Ion Ratio Lower Upper
62 100
98 7.2 6.2 9.4

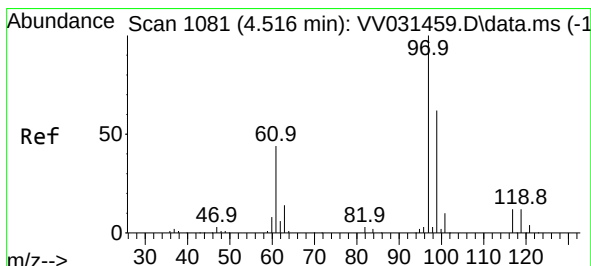
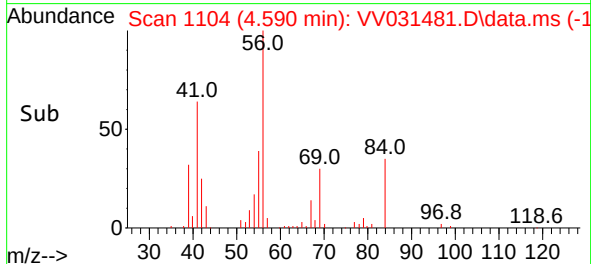
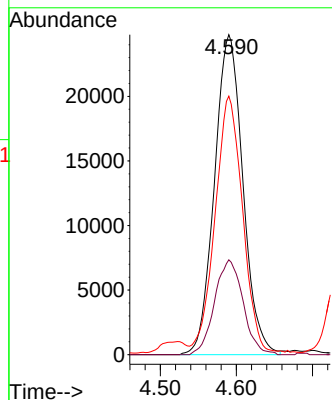
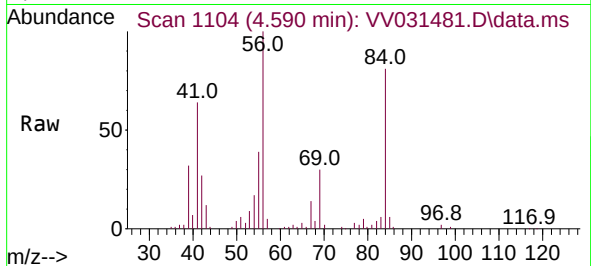




#29
Cyclohexane
Concen: 47.087 ug/L
RT: 4.590 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

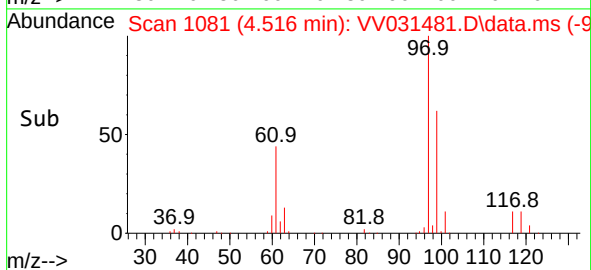
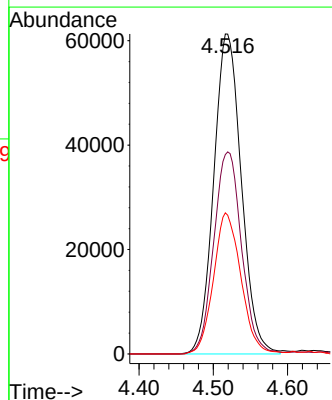
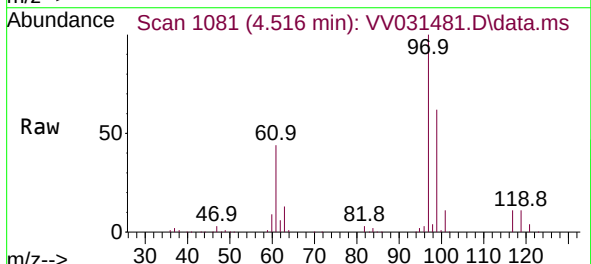
Instrument :
MSVOA_V
ClientSampleId :
VSTD050364

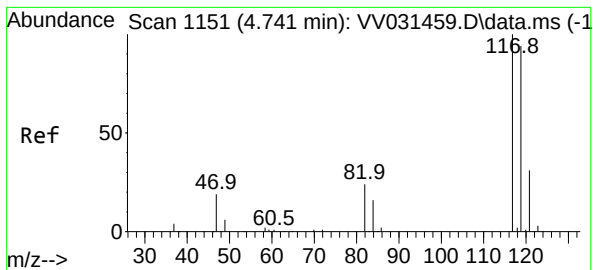
Tgt Ion: 56	Resp: 64353
Ion Ratio	Lower Upper
56 100	
69 29.7	23.5 35.3
84 77.9	61.3 91.9



#30
1,1,1-Trichloroethane
Concen: 52.599 ug/L
RT: 4.516 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

Tgt Ion: 97	Resp: 158432
Ion Ratio	Lower Upper
97 100	
99 63.5	51.9 77.9
61 43.8	36.1 54.1

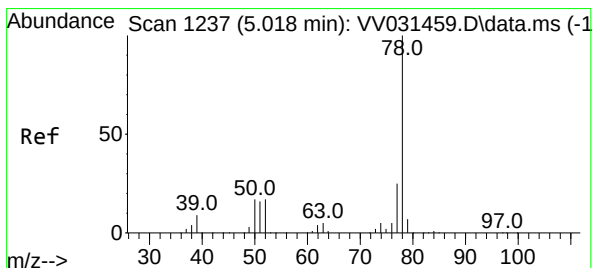
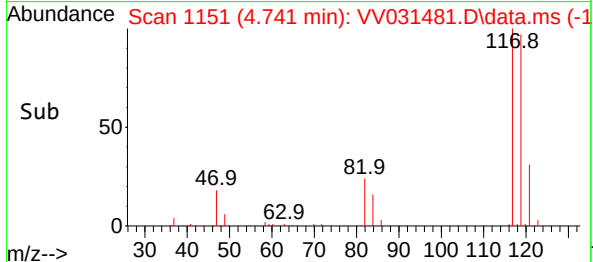
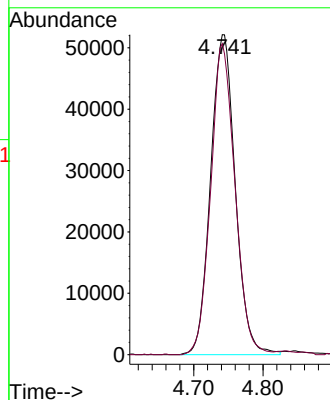
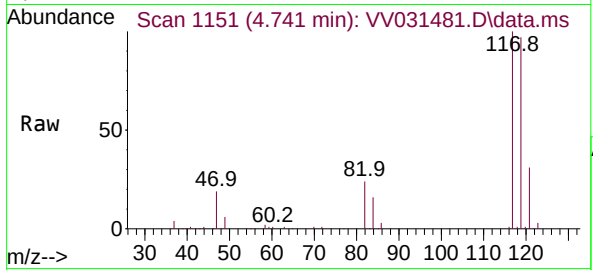




#31
Carbon tetrachloride
Concen: 51.483 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

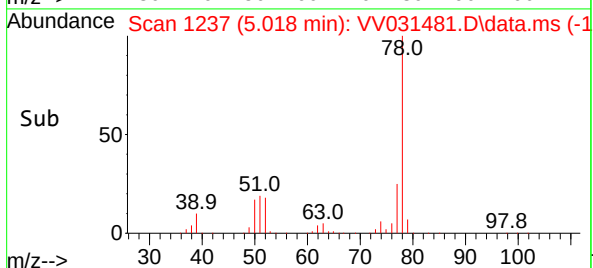
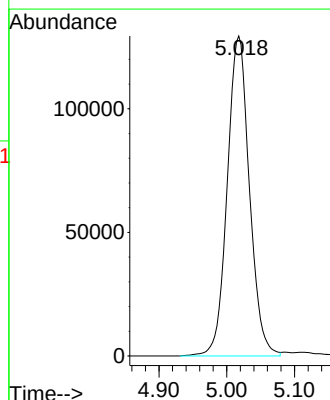
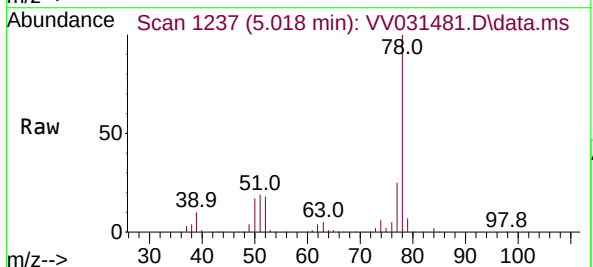
Instrument :
MSVOA_V
ClientSampleId :
VSTD050364

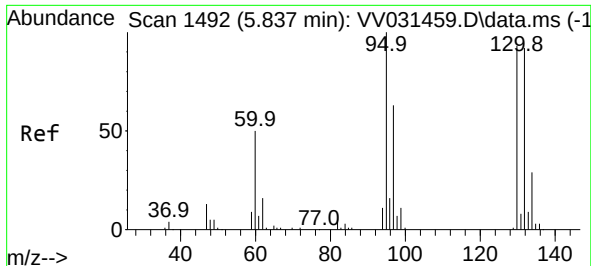
Tgt Ion:117 Resp: 128819
Ion Ratio Lower Upper
117 100
119 95.6 75.8 113.6



#33
Benzene
Concen: 52.282 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

Tgt Ion: 78 Resp: 294370

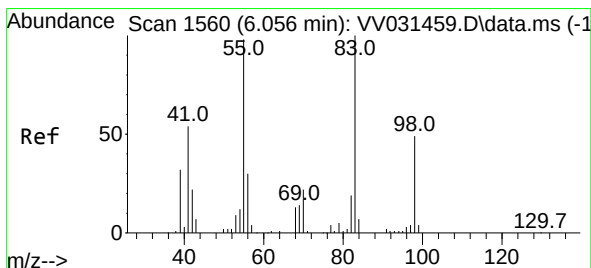
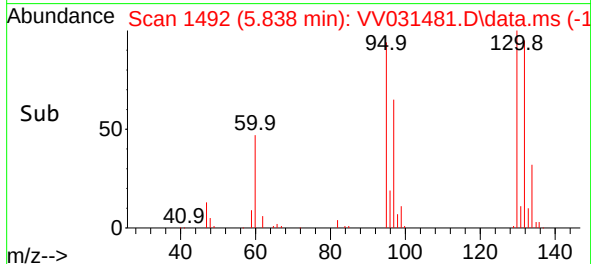
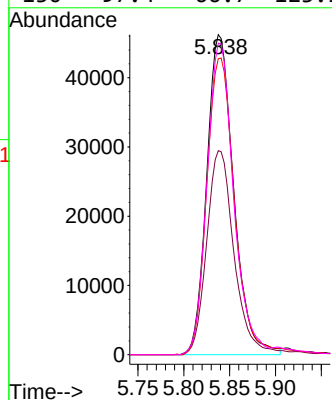
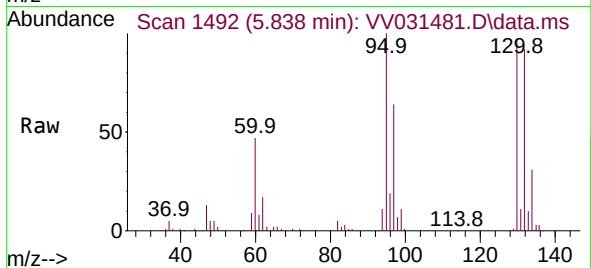




#34
Trichloroethene
Concen: 53.305 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

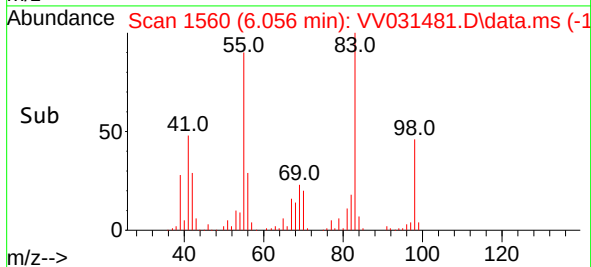
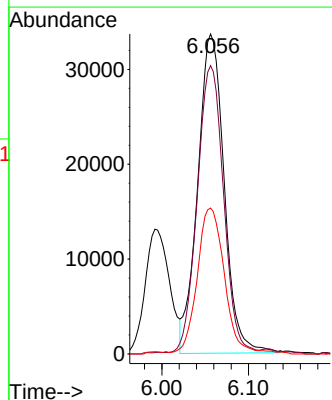
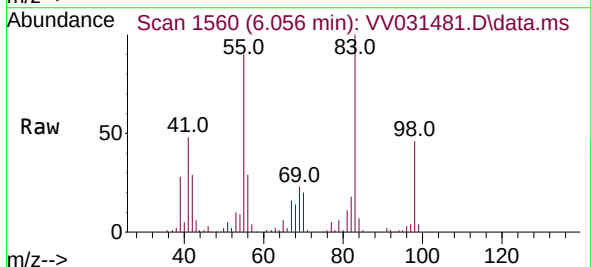
Instrument :
MSVOA_V
ClientSampleId :
VSTD050364

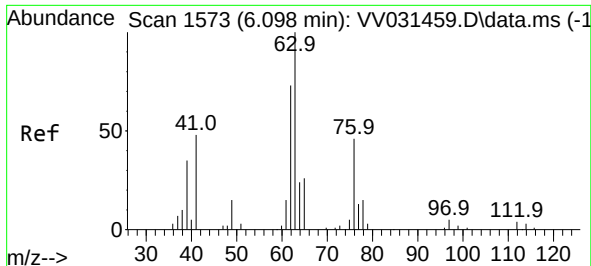
Tgt Ion:	95	Resp:	94557
Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.2	82.0
132	92.5	64.2	119.2
130	97.4	66.7	123.9



#35
Methylcyclohexane
Concen: 47.078 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

Tgt Ion:	83	Resp:	71425
Ion	Ratio	Lower	Upper
83	100		
55	89.3	73.9	110.9
98	45.6	37.0	55.4





#37

1,2-Dichloropropane

Concen: 53.804 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031481.D

Acq: 09 Jun 2023 04:49

Instrument :

MSVOA_V

ClientSampleId :

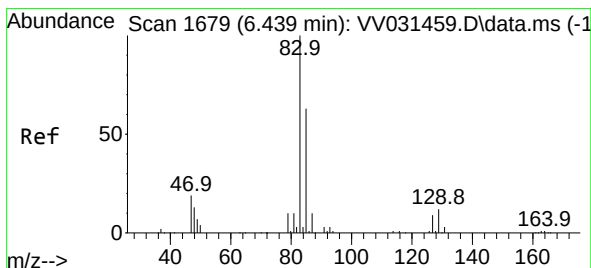
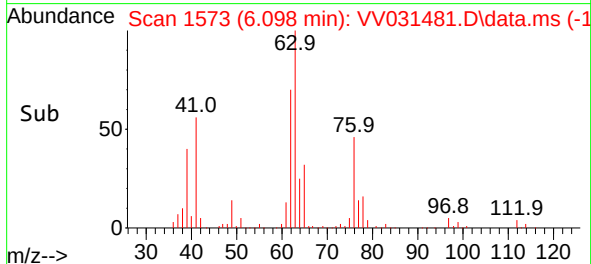
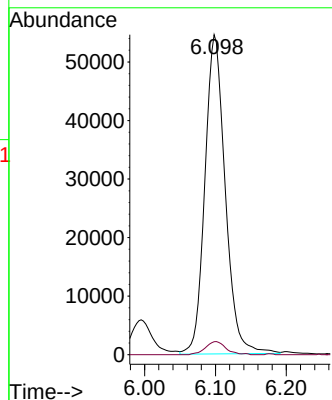
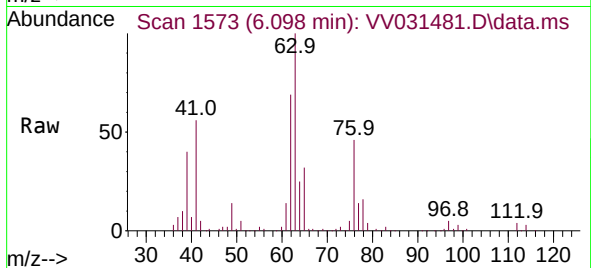
VSTD050364

Tgt Ion: 63 Resp: 109040

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 51.828 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV031481.D

Acq: 09 Jun 2023 04:49

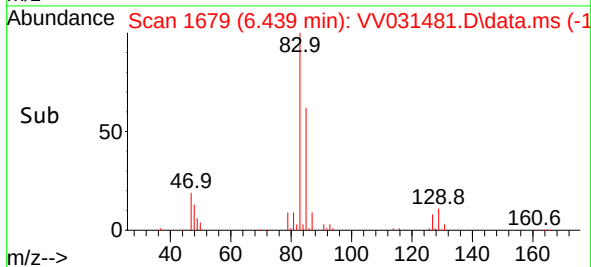
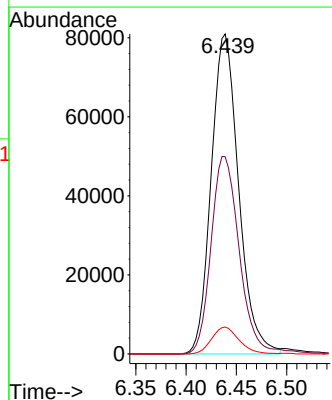
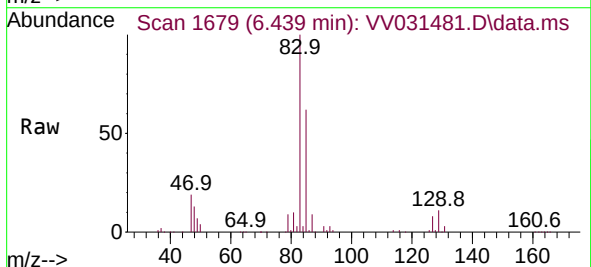
Tgt Ion: 83 Resp: 153732

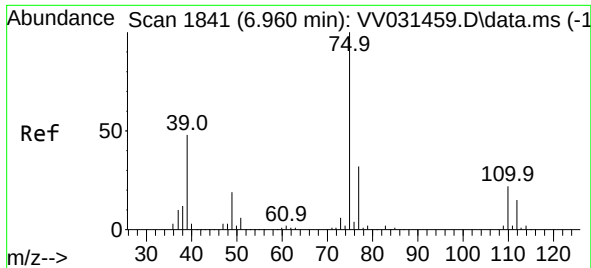
Ion Ratio Lower Upper

83 100

85 61.7 43.2 80.2

127 9.4 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 48.841 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031481.D

Acq: 09 Jun 2023 04:49

Instrument :

MSVOA_V

ClientSampleId :

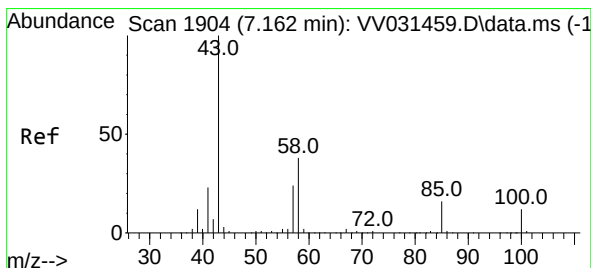
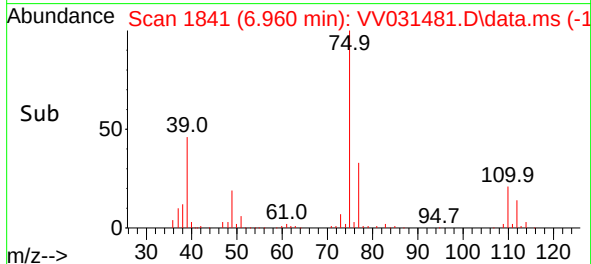
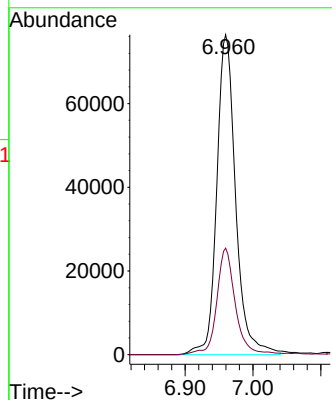
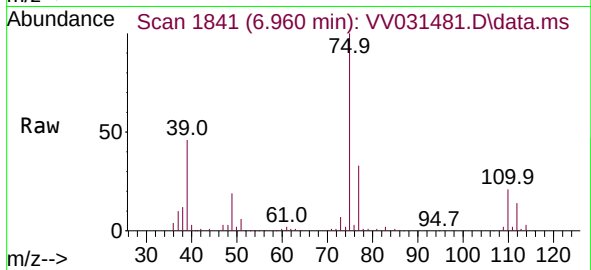
VSTD050364

Tgt Ion: 75 Resp: 147882

Ion Ratio Lower Upper

75 100

77 33.3 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 109.729 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV031481.D

Acq: 09 Jun 2023 04:49

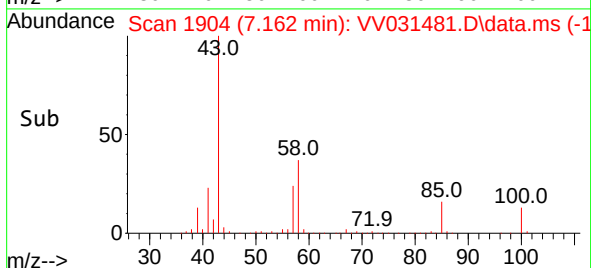
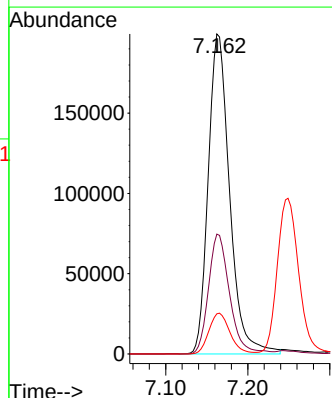
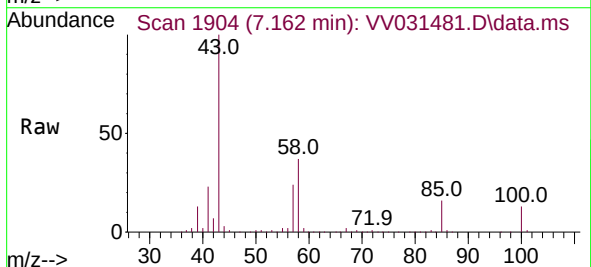
Tgt Ion: 43 Resp: 361248

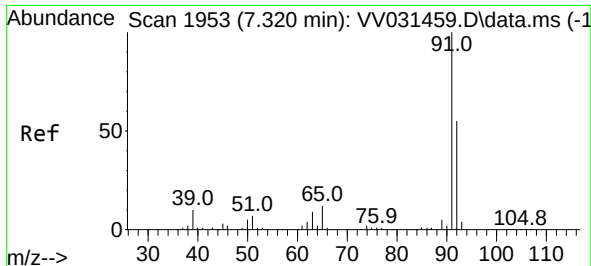
Ion Ratio Lower Upper

43 100

58 36.9 29.9 44.9

100 12.6 10.3 15.5

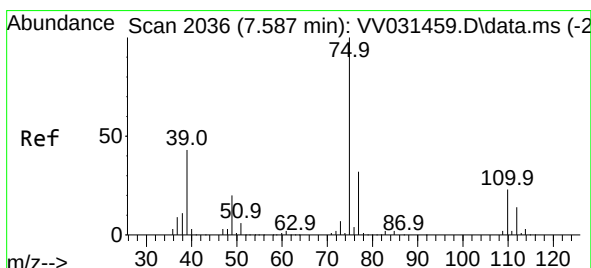
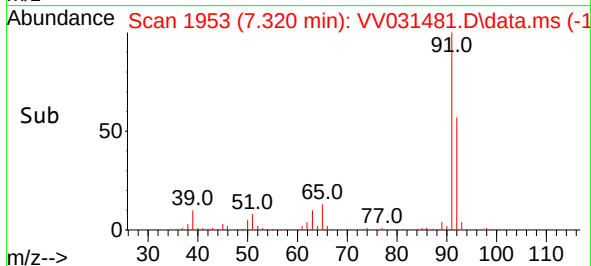
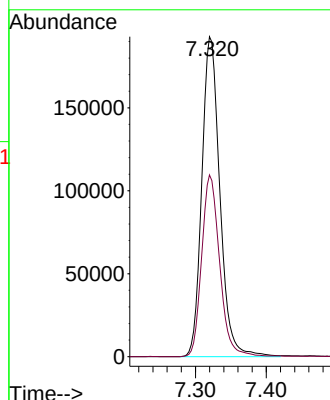
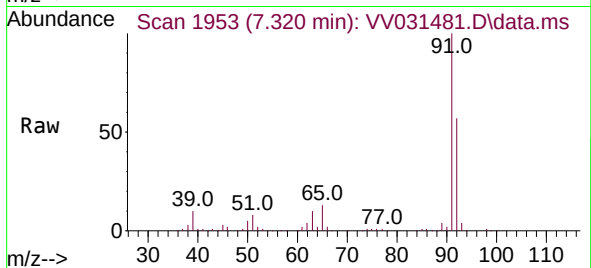




#42
Toluene
Concen: 54.212 ug/L
RT: 7.320 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

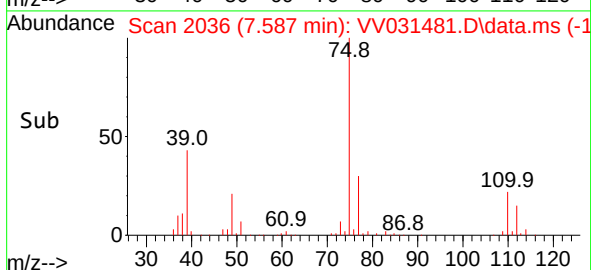
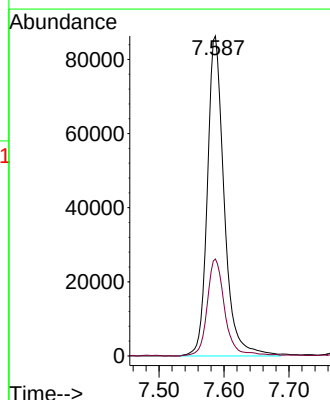
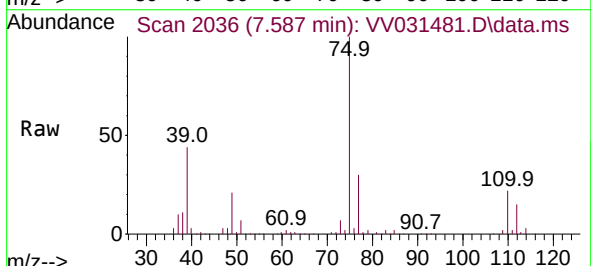
Instrument :
MSVOA_V
ClientSampleId :
VSTD050364

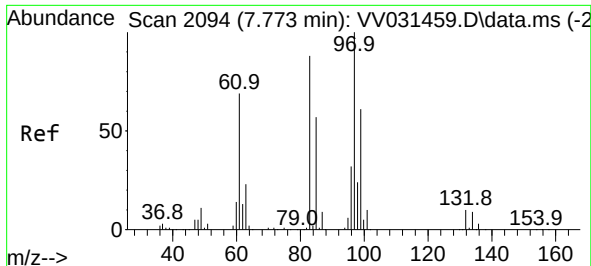
Tgt Ion: 91 Resp: 341659
Ion Ratio Lower Upper
91 100
92 56.8 40.0 74.2



#44
trans-1,3-Dichloropropene
Concen: 50.730 ug/L
RT: 7.587 min Scan# 2036
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

Tgt Ion: 75 Resp: 155795
Ion Ratio Lower Upper
75 100
77 30.3 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 54.018 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. 0.000 min

Lab File: VV031481.D

Acq: 09 Jun 2023 04:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD050364

Tgt Ion: 97 Resp: 113157

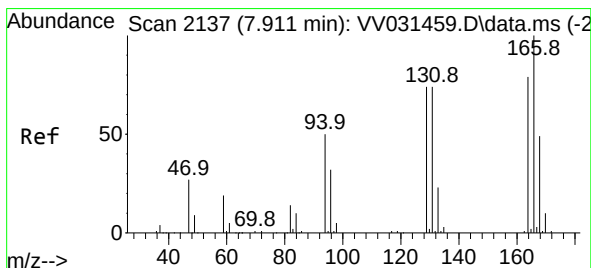
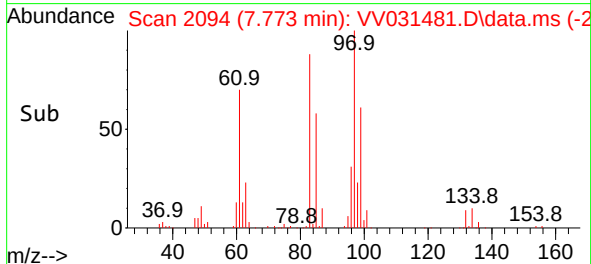
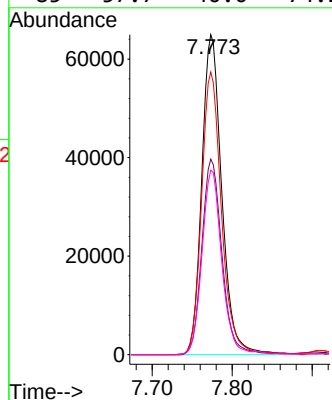
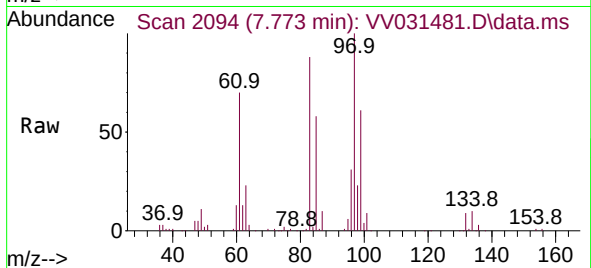
Ion Ratio Lower Upper

97 100

99 61.1 43.8 81.4

83 88.4 61.9 115.1

85 57.7 40.0 74.2



#46

Tetrachloroethene

Concen: 51.161 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VV031481.D

Acq: 09 Jun 2023 04:49

Tgt Ion:164 Resp: 58917

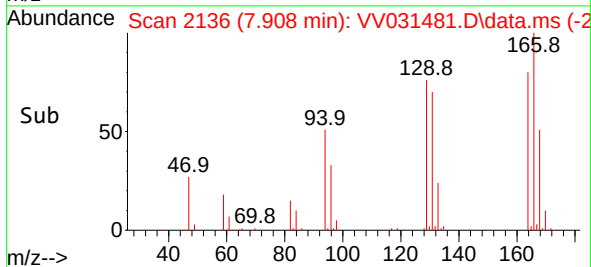
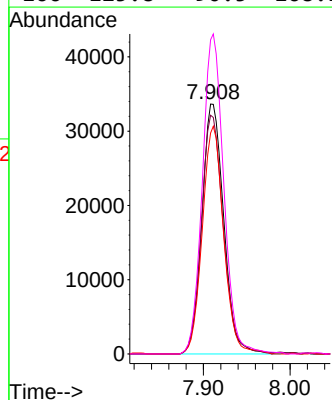
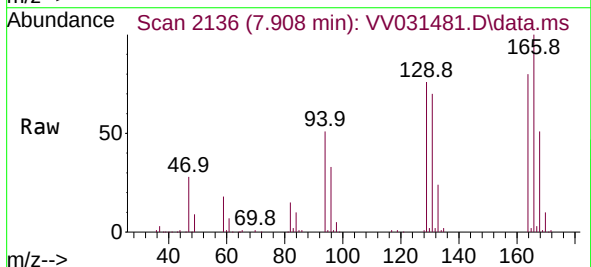
Ion Ratio Lower Upper

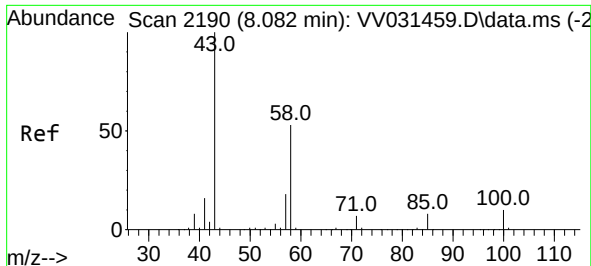
164 100

129 95.5 68.0 126.4

131 88.4 65.5 121.7

166 125.8 90.5 168.1



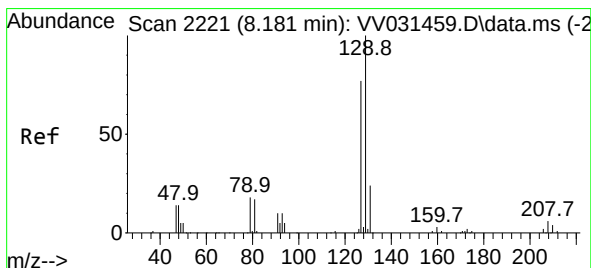
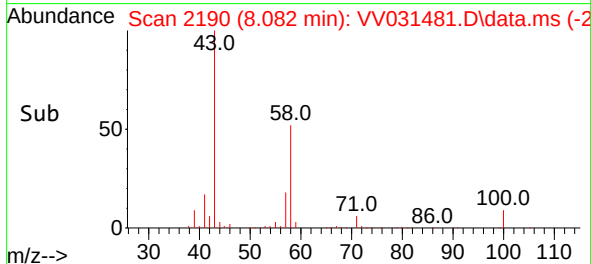
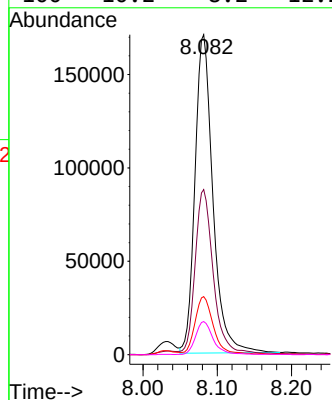
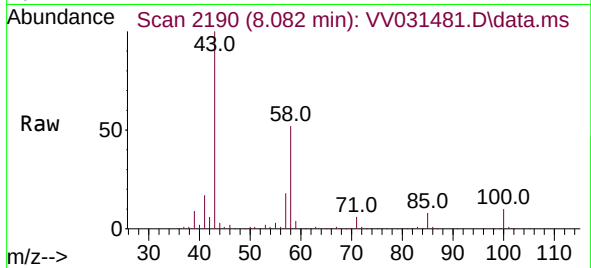


#48
2-Hexanone
Concen: 111.429 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD050364

Tgt Ion: 43 Resp: 287145

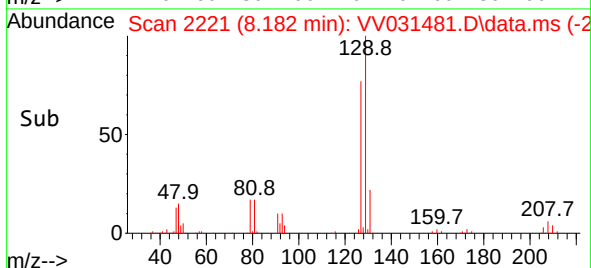
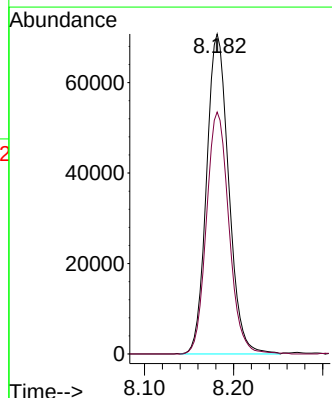
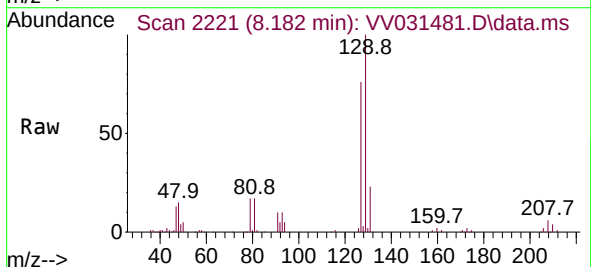
Ion	Ratio	Lower	Upper
43	100		
58	51.7	42.9	64.3
57	18.5	14.6	22.0
100	10.2	8.2	12.2

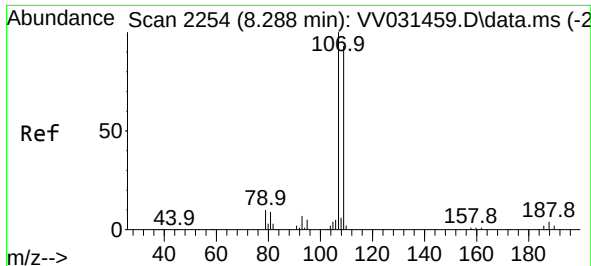


#49
Dibromochloromethane
Concen: 53.487 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

Tgt Ion: 129 Resp: 122223

Ion	Ratio	Lower	Upper
129	100		
127	75.6	55.5	103.1





#50

1,2-Dibromoethane

Concen: 53.828 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031481.D

Acq: 09 Jun 2023 04:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD050364

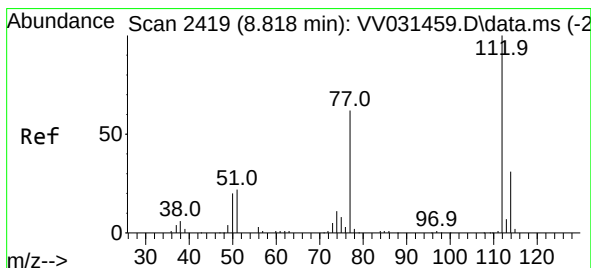
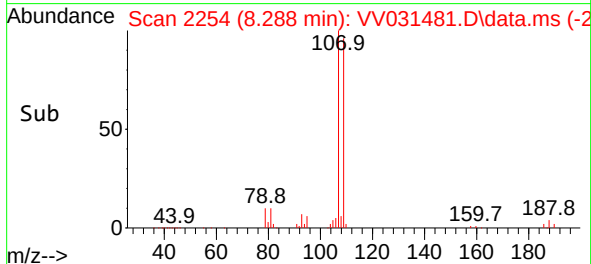
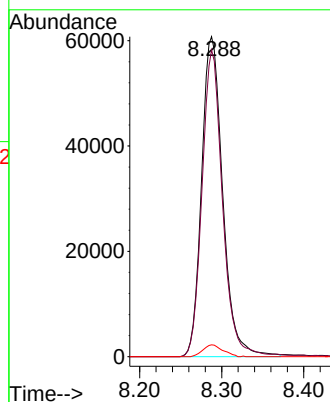
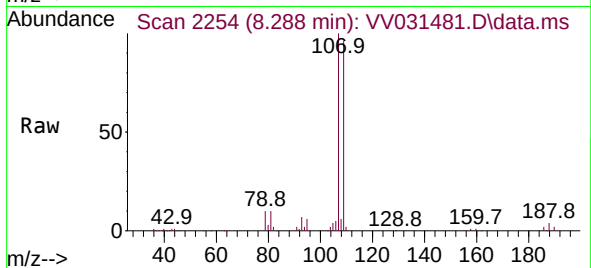
Tgt Ion:107 Resp: 108554

Ion Ratio Lower Upper

107 100

109 95.9 64.1 119.1

188 3.7 3.3 4.9



#51

Chlorobenzene

Concen: 51.596 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.000 min

Lab File: VV031481.D

Acq: 09 Jun 2023 04:49

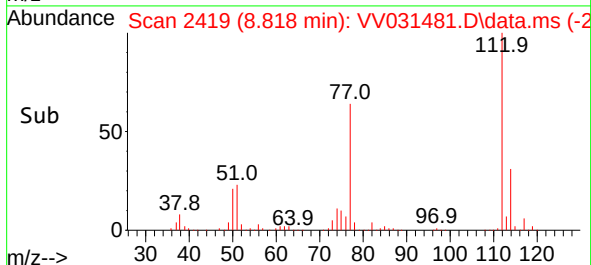
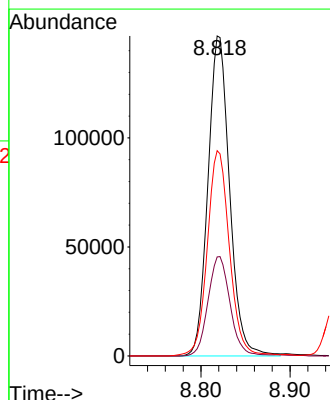
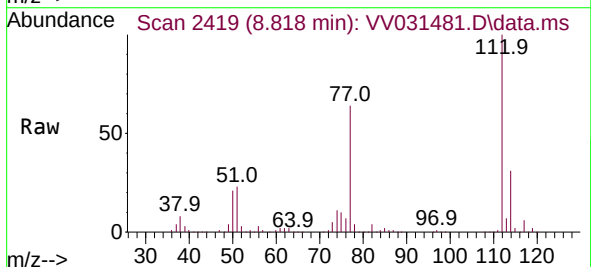
Tgt Ion:112 Resp: 247244

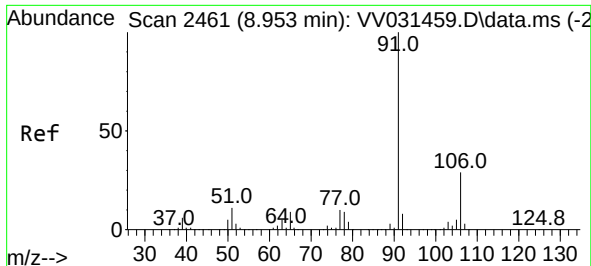
Ion Ratio Lower Upper

112 100

114 30.9 22.4 41.6

77 64.2 52.4 78.6

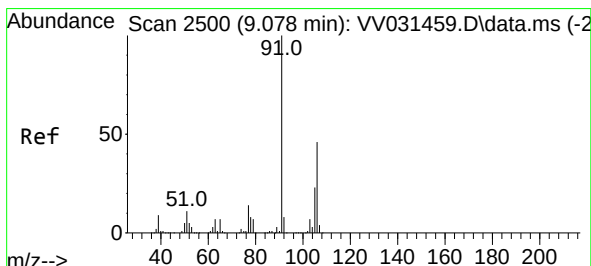
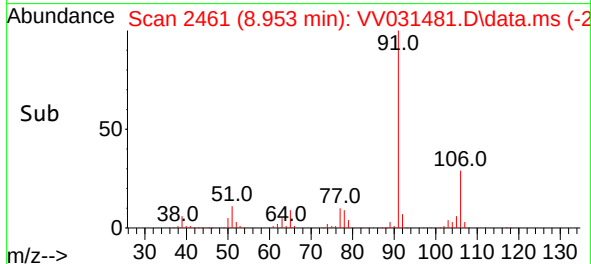
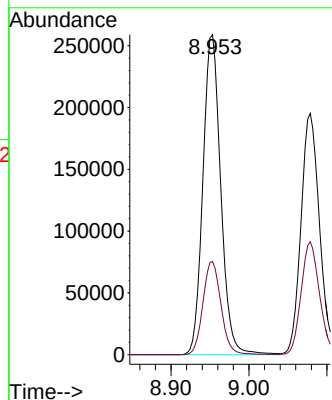
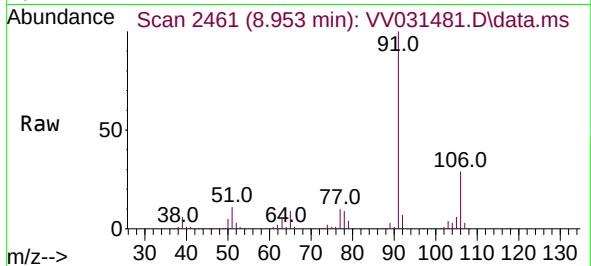




#52
Ethylbenzene
Concen: 52.561 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

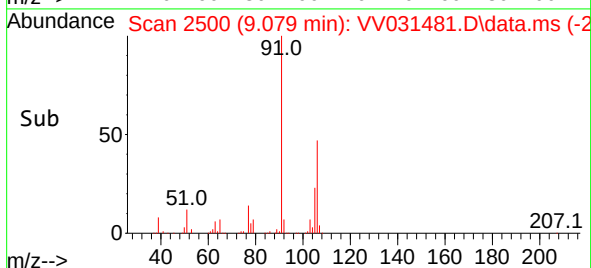
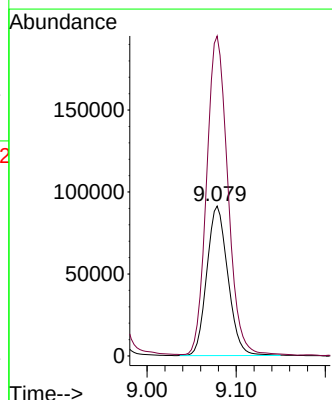
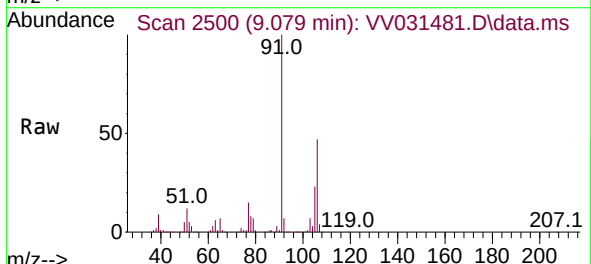
Instrument :
MSVOA_V
ClientSampleId :
VSTD050364

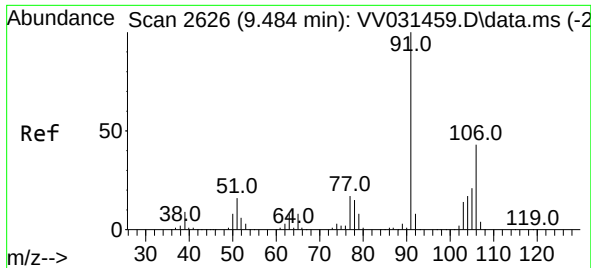
Tgt Ion: 91 Resp: 412250
Ion Ratio Lower Upper
91 100
106 29.1 20.4 38.0



#53
m,p-Xylene
Concen: 52.961 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

Tgt Ion: 106 Resp: 149694
Ion Ratio Lower Upper
106 100
91 213.4 149.4 277.5

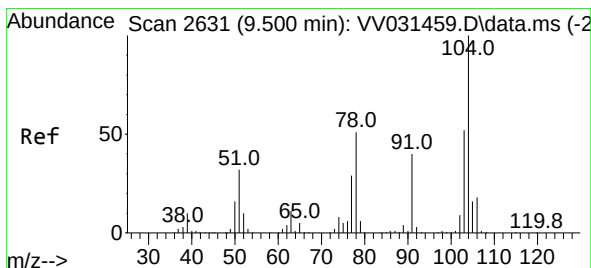
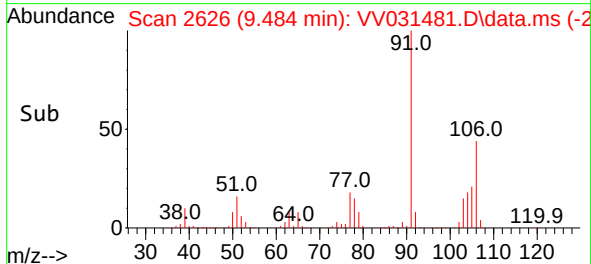
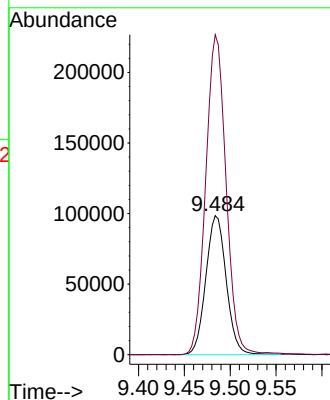
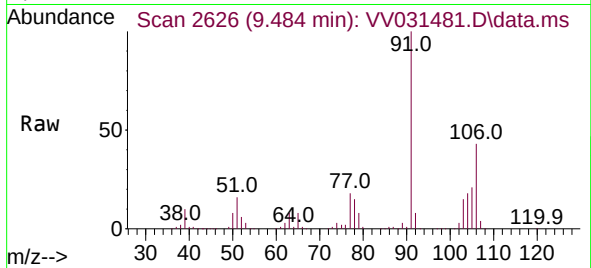




#54
o-Xylene
Concen: 53.522 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

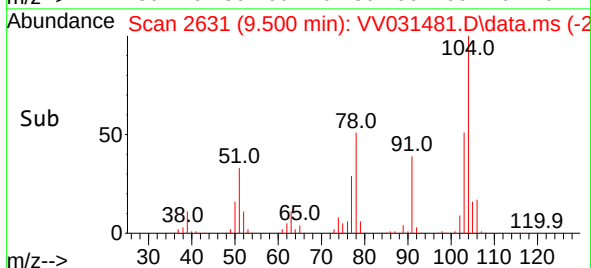
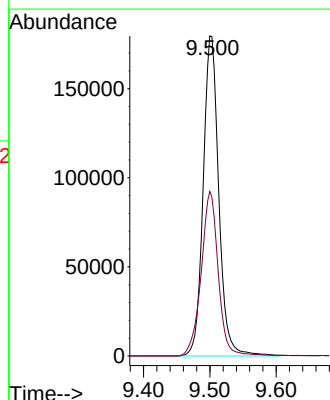
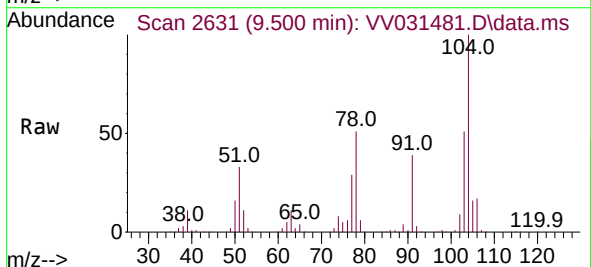
Instrument :
MSVOA_V
ClientSampleId :
VSTD050364

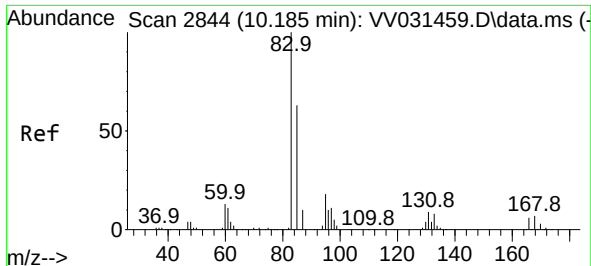
Tgt Ion:106 Resp: 152607
Ion Ratio Lower Upper
106 100
91 230.0 163.8 304.2



#55
Styrene
Concen: 56.561 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

Tgt Ion:104 Resp: 294022
Ion Ratio Lower Upper
104 100
78 51.4 35.9 66.7

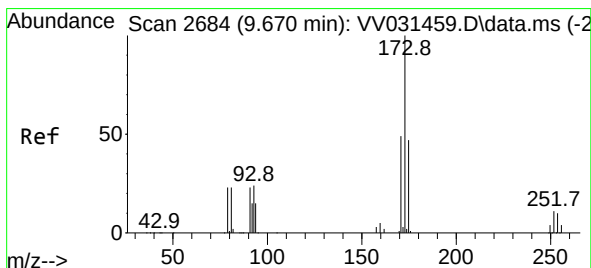
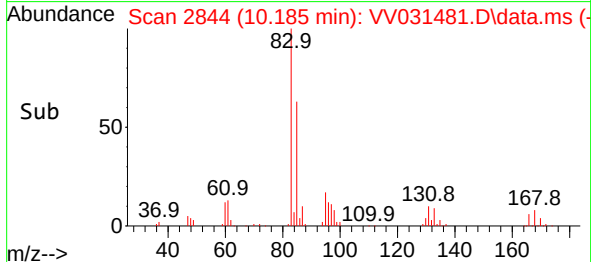
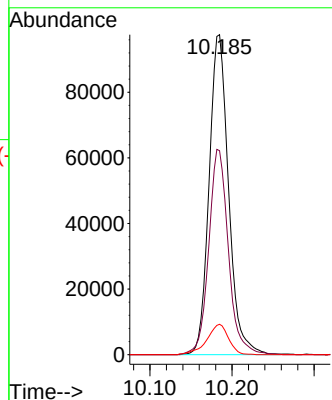
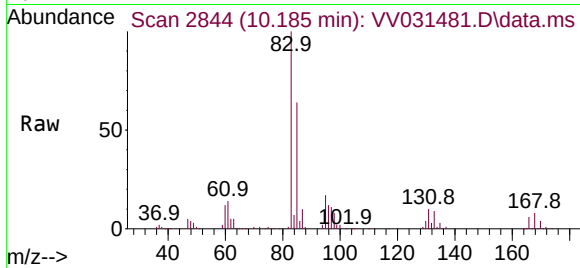




#57
1,1,2,2-Tetrachloroethane
Concen: 50.042 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

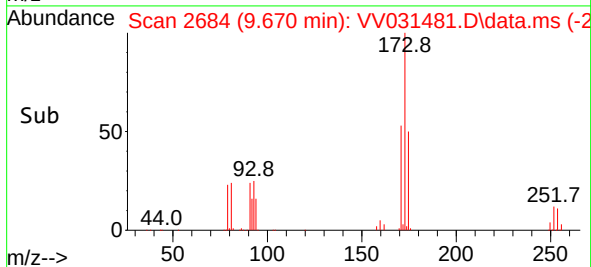
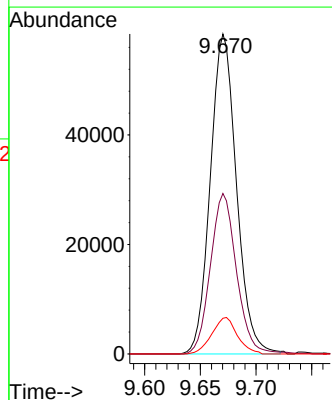
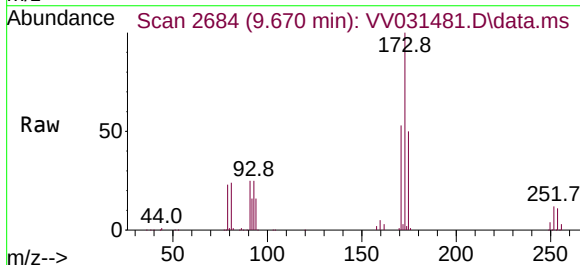
Instrument :
MSVOA_V
ClientSampleId :
VSTD050364

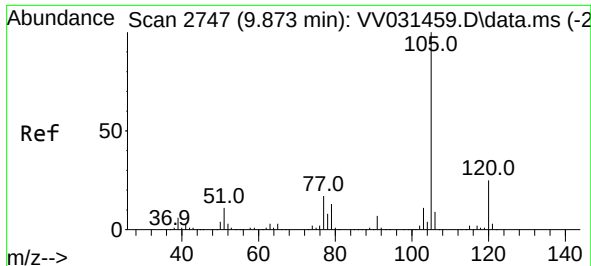
Tgt Ion: 83 Resp: 160691
Ion Ratio Lower Upper
83 100
85 63.7 43.7 81.1
131 9.5 7.3 10.9



#59
Bromoform
Concen: 48.829 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

Tgt Ion: 173 Resp: 95504
Ion Ratio Lower Upper
173 100
175 50.1 38.8 58.2
254 11.1 8.7 13.1

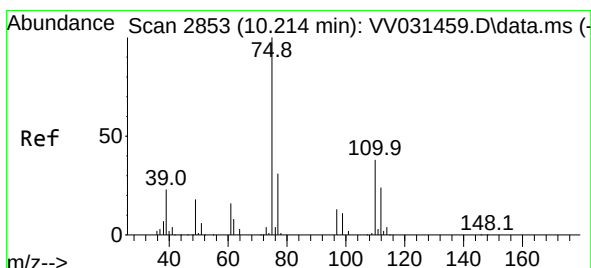
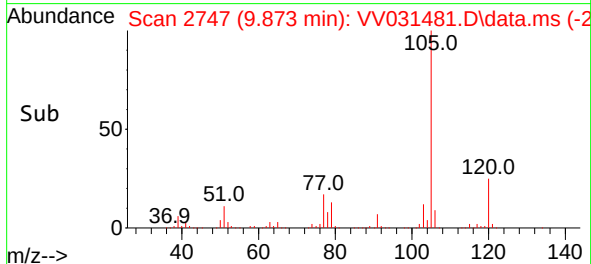
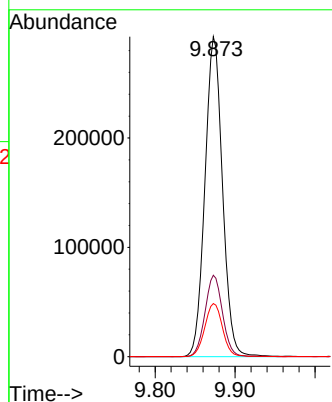
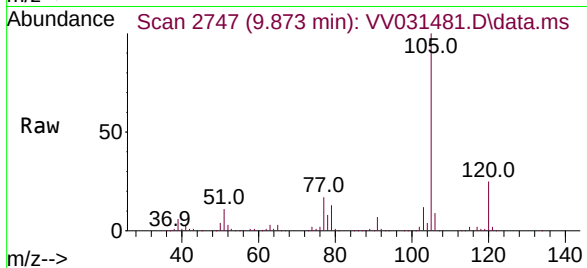




#60
Isopropylbenzene
Concen: 51.316 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

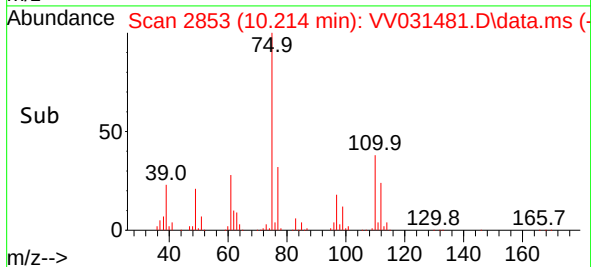
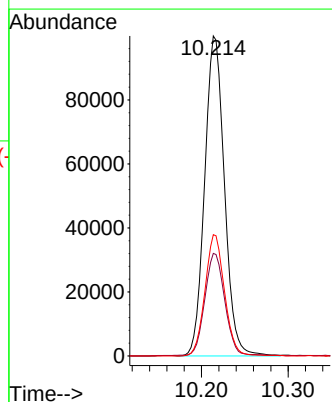
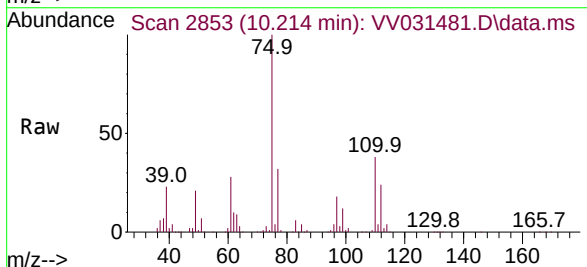
Instrument :
MSVOA_V
ClientSampleId :
VSTD050364

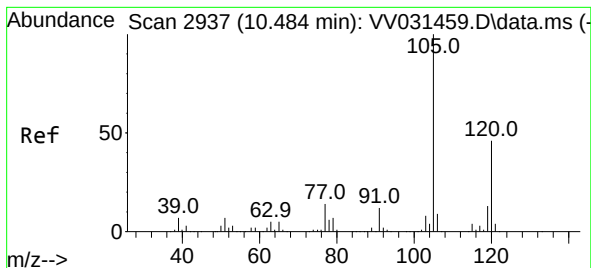
Tgt Ion:105 Resp: 447602
Ion Ratio Lower Upper
105 100
120 25.4 20.6 30.8
77 16.6 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 51.374 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031481.D
Acq: 09 Jun 2023 04:49

Tgt Ion: 75 Resp: 158748
Ion Ratio Lower Upper
75 100
77 31.5 25.6 38.4
110 37.3 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 51.355 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV031481.D

Acq: 09 Jun 2023 04:49

Instrument :

MSVOA_V

ClientSampleId :

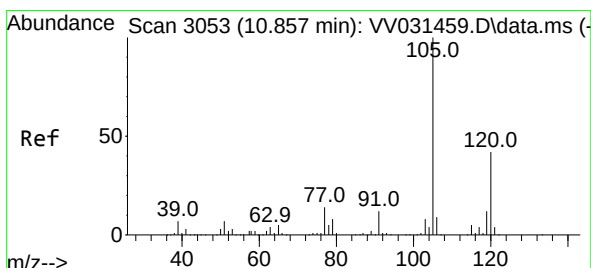
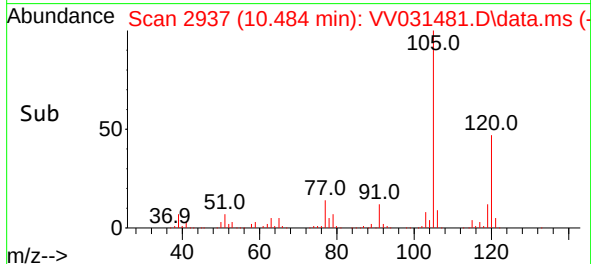
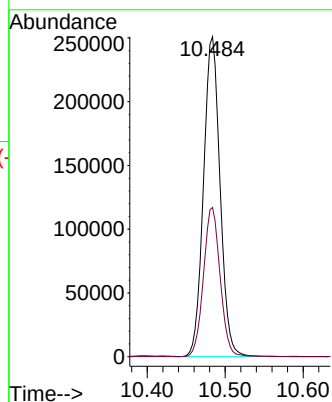
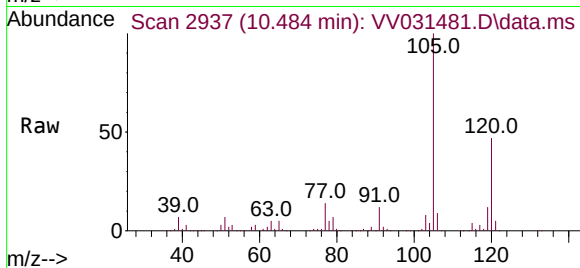
VSTD050364

Tgt Ion:105 Resp: 369937

Ion Ratio Lower Upper

105 100

120 47.0 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 52.784 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VV031481.D

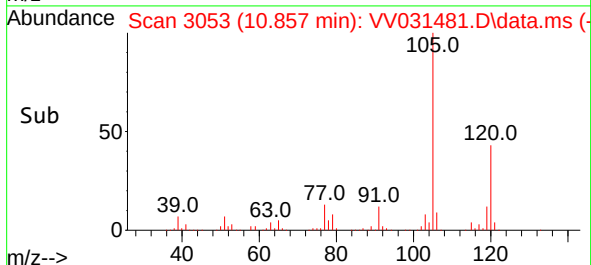
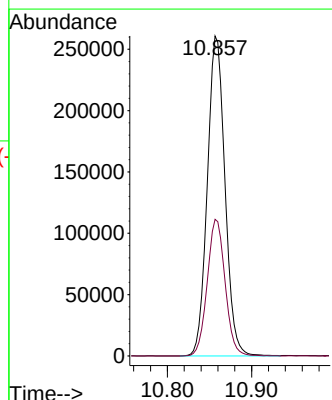
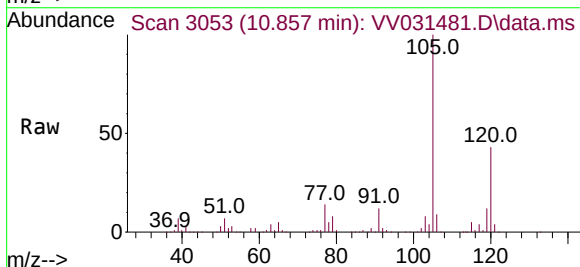
Acq: 09 Jun 2023 04:49

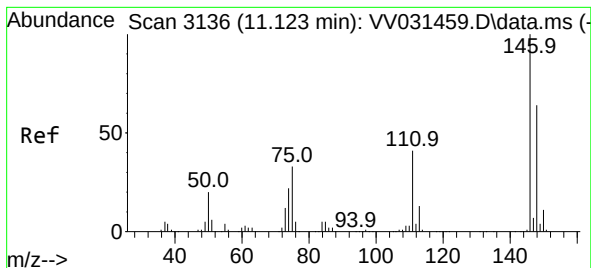
Tgt Ion:105 Resp: 380597

Ion Ratio Lower Upper

105 100

120 43.2 35.0 52.4





#64

1,3-Dichlorobenzene

Concen: 51.377 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. 0.000 min

Lab File: VV031481.D

Acq: 09 Jun 2023 04:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD050364

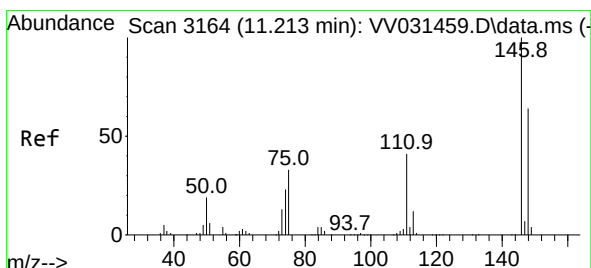
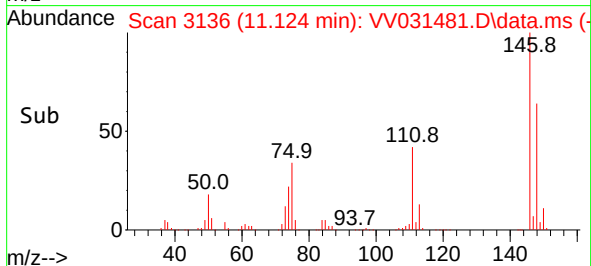
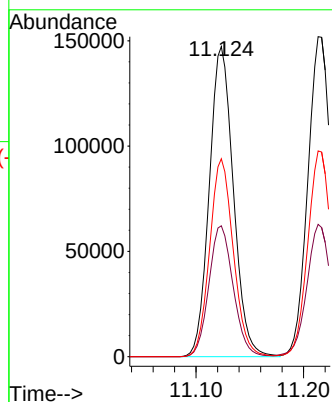
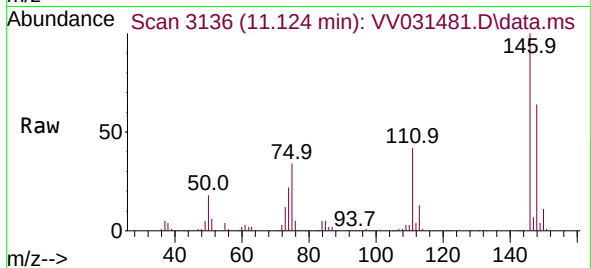
Tgt Ion:146 Resp: 229378

Ion Ratio Lower Upper

146 100

111 42.2 29.3 54.5

148 63.8 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 50.099 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VV031481.D

Acq: 09 Jun 2023 04:49

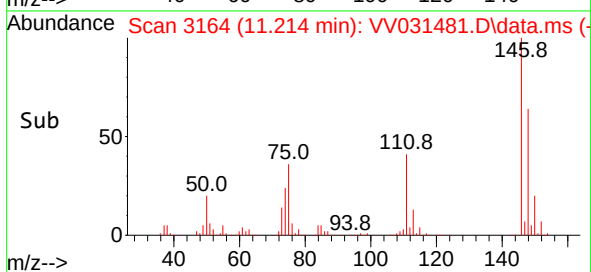
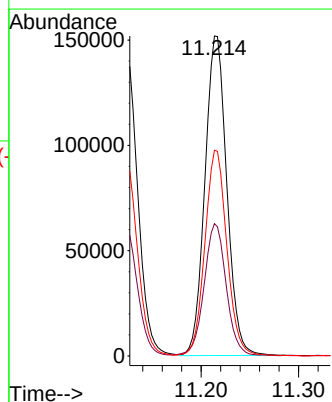
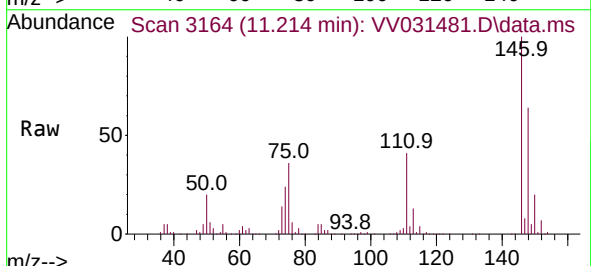
Tgt Ion:146 Resp: 236580

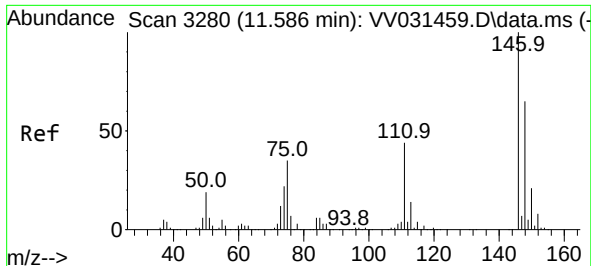
Ion Ratio Lower Upper

146 100

111 41.4 28.1 52.3

148 64.3 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 51.864 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031481.D

Acq: 09 Jun 2023 04:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD050364

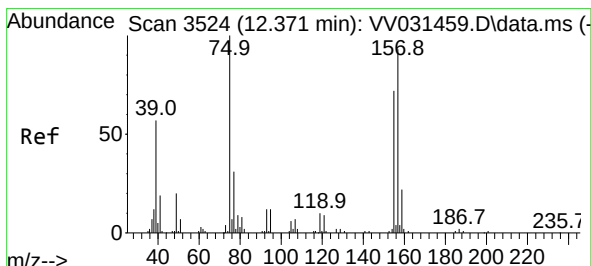
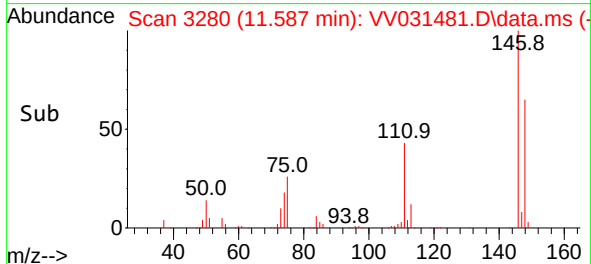
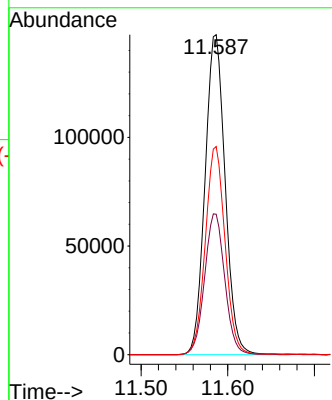
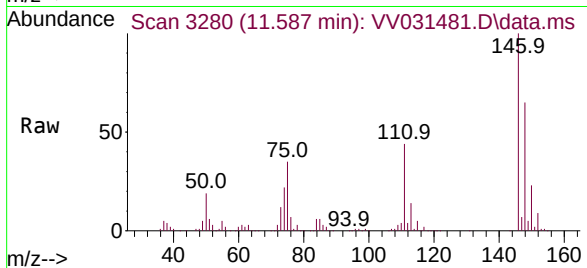
Tgt Ion:146 Resp: 237367

Ion Ratio Lower Upper

146 100

111 43.9 34.5 51.7

148 65.1 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 52.863 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV031481.D

Acq: 09 Jun 2023 04:49

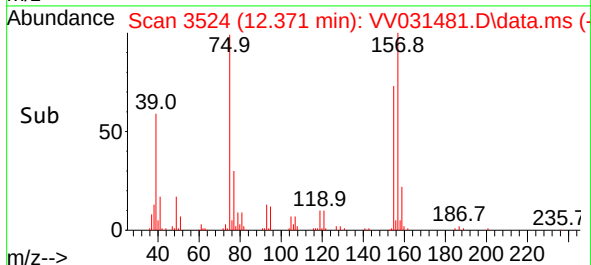
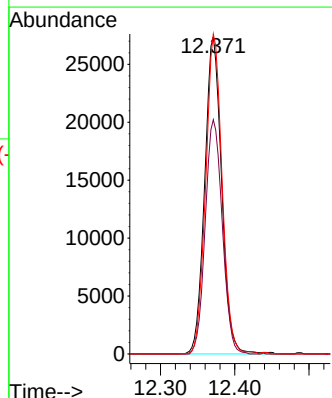
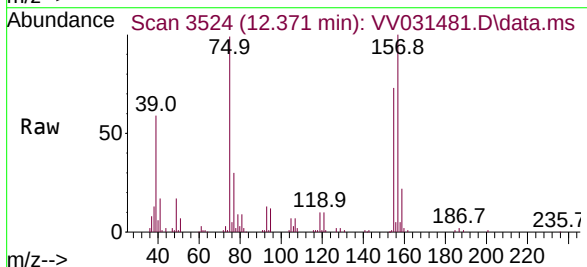
Tgt Ion: 75 Resp: 43297

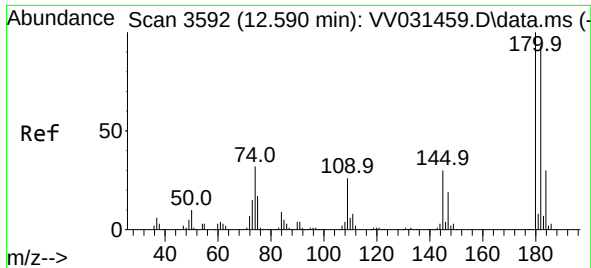
Ion Ratio Lower Upper

75 100

155 73.8 62.1 93.1

157 100.9 74.9 112.3





#69

1,3,5-Trichlorobenzene

Concen: 49.584 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV031481.D

Acq: 09 Jun 2023 04:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD050364

Tgt Ion:180 Resp: 170432

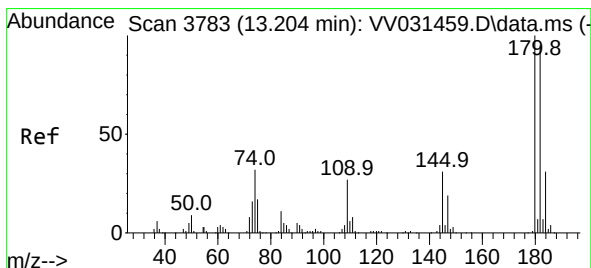
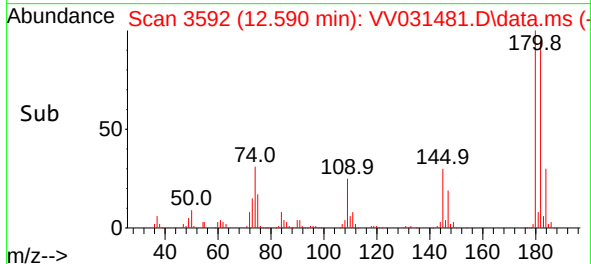
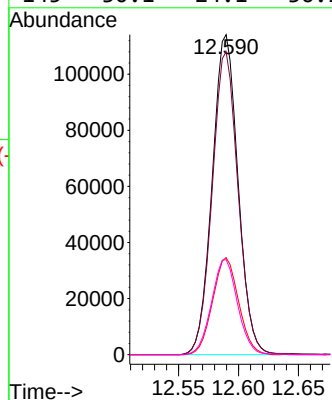
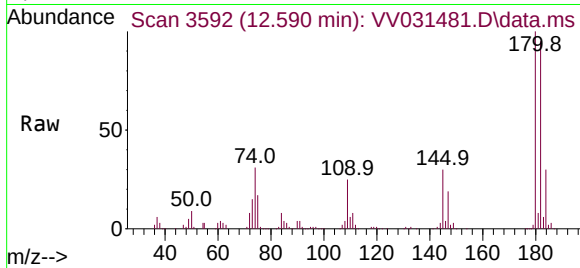
Ion Ratio Lower Upper

180 100

182 94.9 75.7 113.5

184 30.6 23.9 35.9

145 30.1 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 49.421 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031481.D

Acq: 09 Jun 2023 04:49

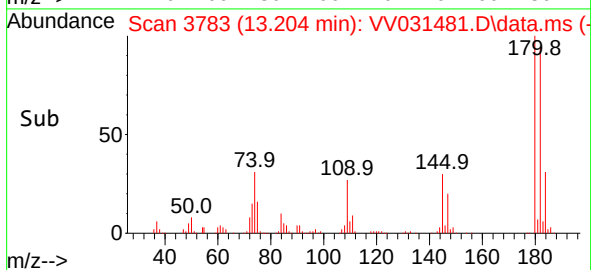
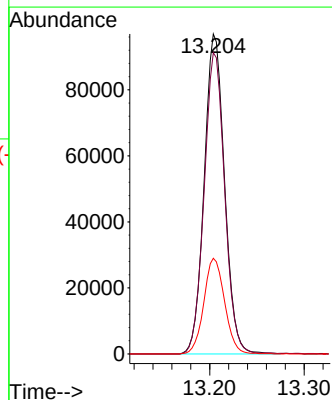
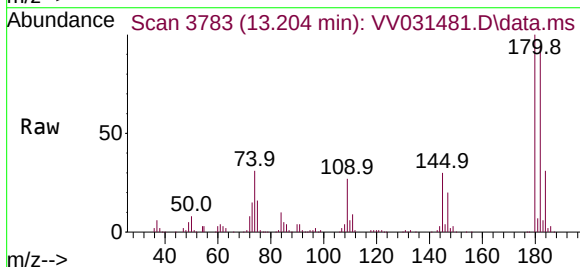
Tgt Ion:180 Resp: 144921

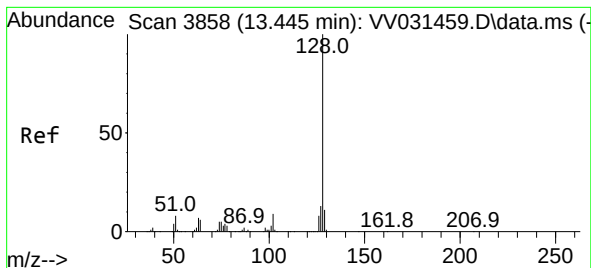
Ion Ratio Lower Upper

180 100

182 94.9 77.0 115.6

145 30.5 24.2 36.2





#71

Naphthalene

Concen: 45.753 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031481.D

Acq: 09 Jun 2023 04:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD050364

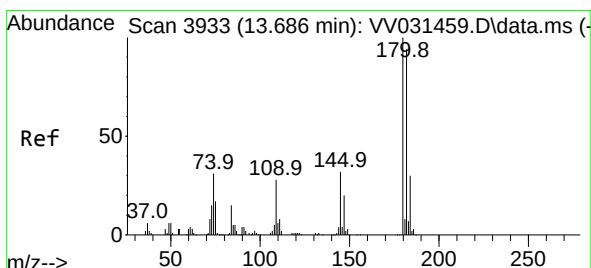
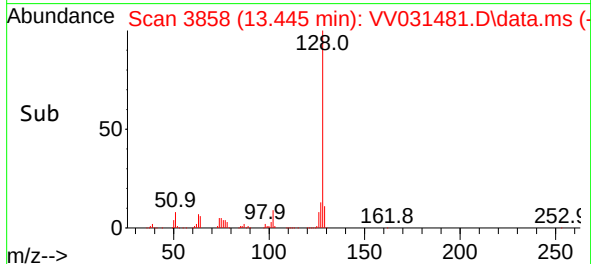
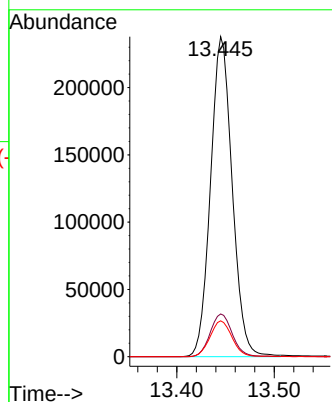
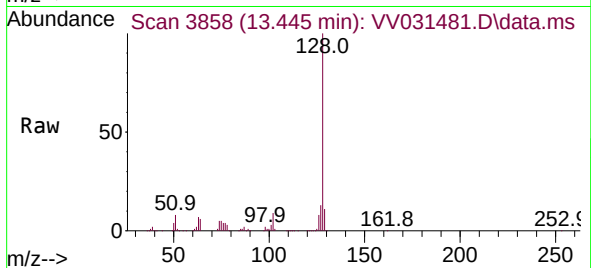
Tgt Ion:128 Resp: 367724

Ion Ratio Lower Upper

128 100

127 13.7 10.7 16.1

129 11.3 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 52.336 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031481.D

Acq: 09 Jun 2023 04:49

Tgt Ion:180 Resp: 153829

Ion Ratio Lower Upper

180 100

182 94.5 77.4 116.2

145 32.3 25.6 38.4

