

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022223\
 Data File : VW030077.D
 Acq On : 22 Feb 2023 12:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050285

Quant Time: Feb 22 23:13:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM021723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 20 22:59:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	391071	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	366823	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	230585	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	165470	59.513	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 119.020%		
7) Chloroethane-d5	1.536	69	134799	63.360	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	= 126.720%		
11) 1,1-Dichloroethene-d2	2.066	63	294689	55.403	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 110.800%		
21) 2-Butanone-d5	3.796	46	164738	94.941	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	= 94.940%		
24) Chloroform-d	4.256	84	274164	53.049	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 106.100%		
26) 1,2-Dichloroethane-d4	4.947	65	158478	51.878	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 103.760%		
32) Benzene-d6	4.966	84	542797	55.715	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 111.440%		
36) 1,2-Dichloropropane-d6	5.992	67	167506	54.072	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 108.140%		
41) Toluene-d8	7.249	98	519123	56.461	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 112.920%		
43) trans-1,3-Dichloroprop...	7.555	79	83224	54.059	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 108.120%		
47) 2-Hexanone-d5	8.030	63	139781	96.787	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 96.790%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	232826	50.105	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 100.200%		
66) 1,2-Dichlorobenzene-d4	11.567	152	210824	51.337	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 102.680%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	217426	52.525	ug/L	99
3) Chloromethane	1.217	50	271303	51.077	ug/L	98
5) Vinyl chloride	1.285	62	195353	52.813	ug/L	97
6) Bromomethane	1.490	94	38191	56.801	ug/L	99
8) Chloroethane	1.552	64	120378	55.777	ug/L	97
9) Trichlorofluoromethane	1.716	101	269603	54.984	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	165365	55.104	ug/L	98
12) 1,1-Dichloroethene	2.076	96	145614	53.939	ug/L	99
13) Acetone	2.124	43	152581	114.570	ug/L	100
14) Carbon disulfide	2.246	76	386920	48.469	ug/L	100
15) Methyl Acetate	2.378	43	144740	52.268	ug/L	98
16) Methylene chloride	2.452	84	156009	52.786	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	143428	51.973	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	473192	53.881	ug/L	99
19) 1,1-Dichloroethane	3.117	63	272311	53.538	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	164966	54.054	ug/L	98
22) 2-Butanone	3.873	43	200982	107.561	ug/L	99
23) Bromochloromethane	4.153	128	88441	54.353	ug/L	96
25) Chloroform	4.285	83	279841	53.968	ug/L	99

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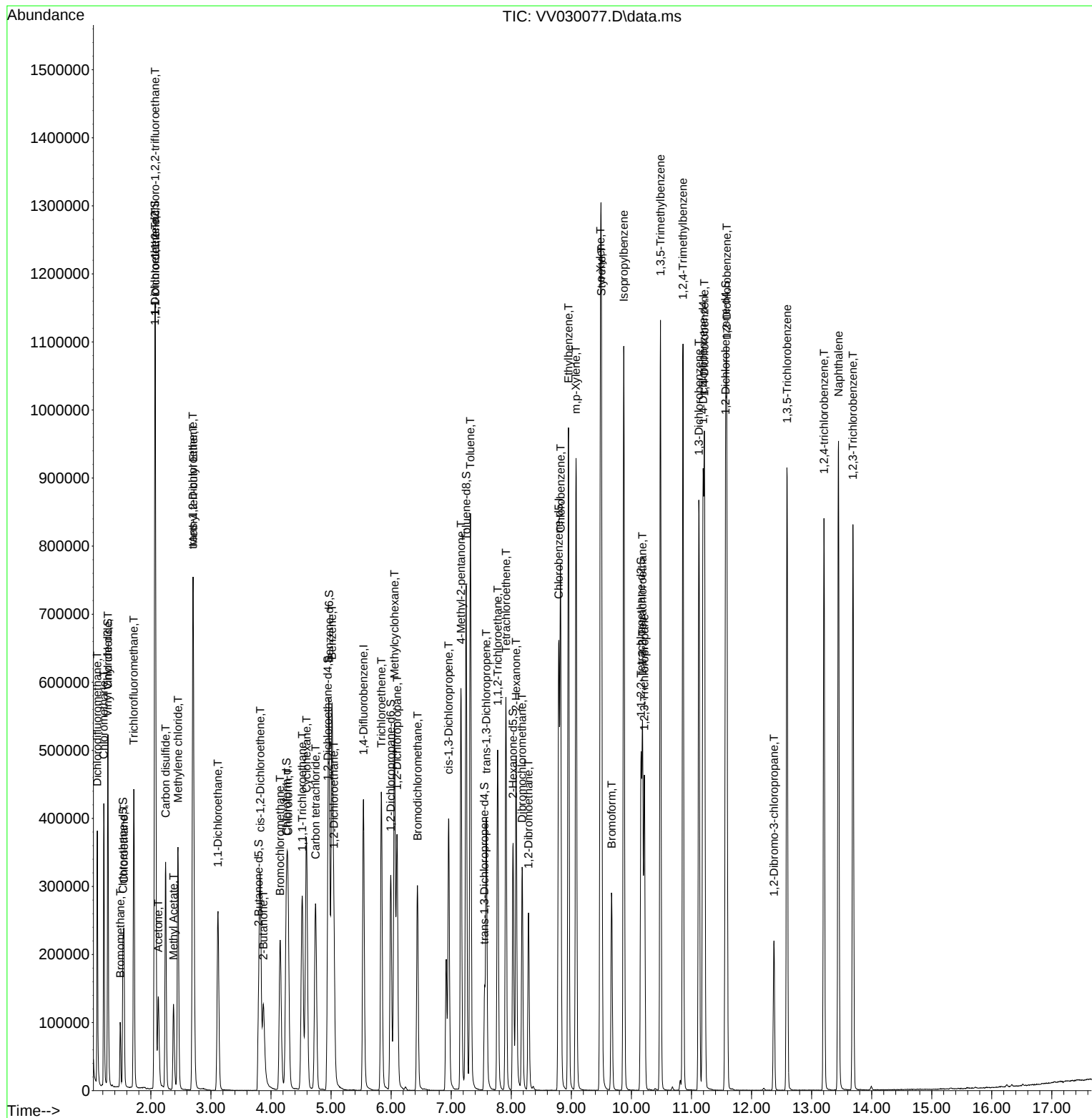
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	205306	53.013	ug/L	100
29) Cyclohexane	4.590	56	218891	51.209	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	250881	55.056	ug/L	99
31) Carbon tetrachloride	4.741	117	221359	55.335	ug/L	99
33) Benzene	5.014	78	583528	53.918	ug/L	100
34) Trichloroethene	5.838	95	160196	54.384	ug/L	96
35) Methylcyclohexane	6.056	83	242534	51.867	ug/L	99
37) 1,2-Dichloropropane	6.098	63	156167	54.792	ug/L	100
38) Bromodichloromethane	6.439	83	212746	55.573	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	257528	53.751	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	380094	107.270	ug/L	99
42) Toluene	7.320	91	643657	54.351	ug/L	99
44) trans-1,3-Dichloropropene	7.583	75	246795	56.639	ug/L	100
45) 1,1,2-Trichloroethane	7.773	97	164751	55.694	ug/L	99
46) Tetrachloroethene	7.911	164	135745	54.816	ug/L	99
48) 2-Hexanone	8.082	43	289580	106.044	ug/L	99
49) Dibromochloromethane	8.182	129	176439	57.529	ug/L	98
50) 1,2-Dibromoethane	8.288	107	176409	54.358	ug/L	99
51) Chlorobenzene	8.821	112	419282	53.125	ug/L	99
52) Ethylbenzene	8.953	91	696607	53.126	ug/L	100
53) m,p-Xylene	9.079	106	269051	53.705	ug/L	100
54) o-Xylene	9.484	106	261269	54.116	ug/L	97
55) Styrene	9.503	104	456402	55.337	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	258826	53.524	ug/L	99
59) Bromoform	9.670	173	133751	58.574	ug/L	99
60) Isopropylbenzene	9.873	105	720523	52.547	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	192439	50.441	ug/L	100
62) 1,3,5-Trimethylbenzene	10.484	105	603727	53.161	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	592503	53.082	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	364610	52.764	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	367811	52.020	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	365460	53.119	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	54140	48.641	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	287554	52.147	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	264211	50.978	ug/L	99
71) Naphthalene	13.448	128	749310	49.843	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	257126	50.550	ug/L	99

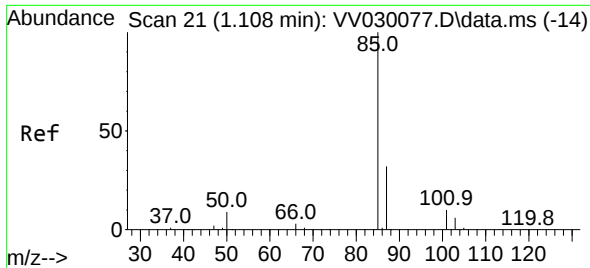
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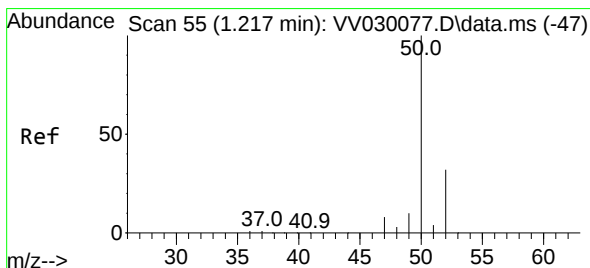
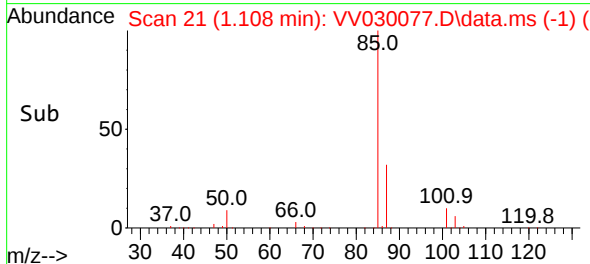
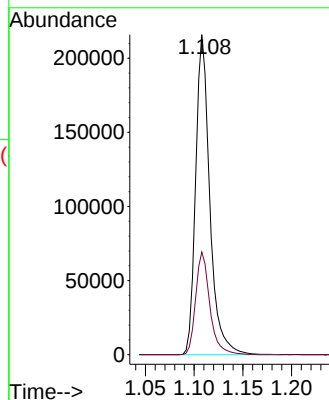
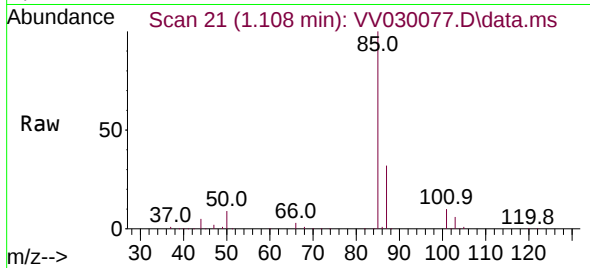




#2
 Dichlorodifluoromethane
 Concen: 52.525 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV030077.D
 Acq: 22 Feb 2023 12:01

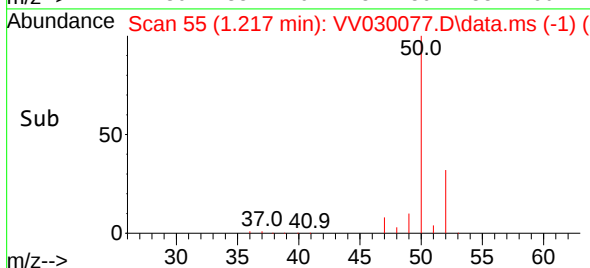
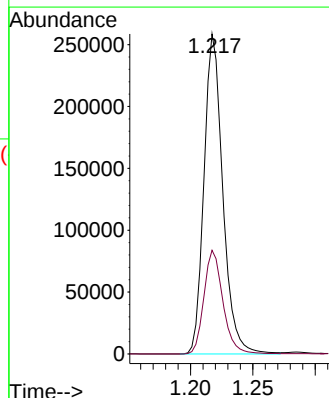
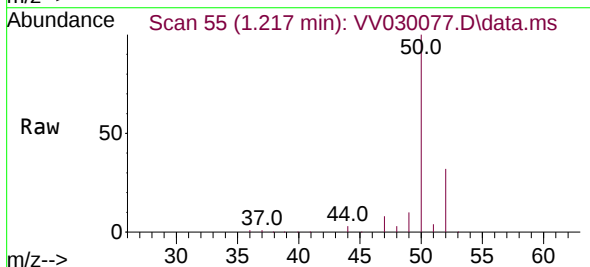
Instrument :
 MSVOA_V
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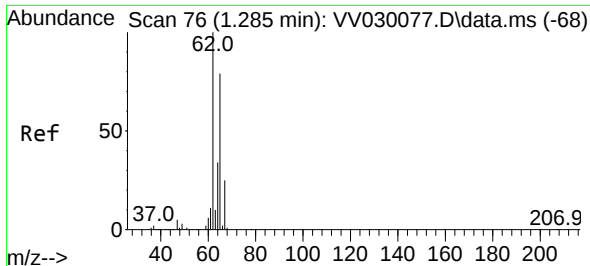
Tgt Ion: 85 Resp: 217426
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.0 39.0



#3
 Chloromethane
 Concen: 51.077 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030077.D
 Acq: 22 Feb 2023 12:01

Tgt Ion: 50 Resp: 271303
 Ion Ratio Lower Upper
 50 100
 52 32.4 23.4 43.4

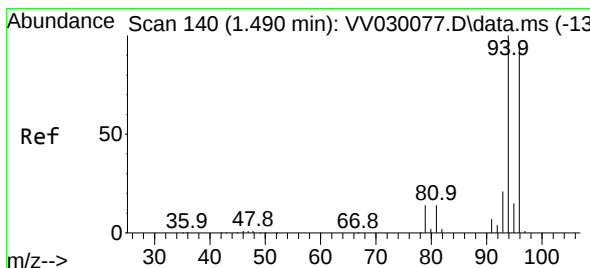
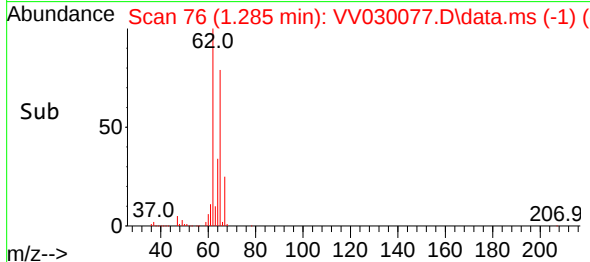
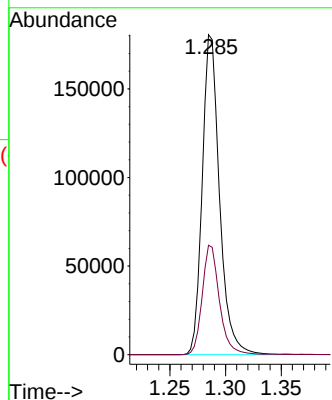
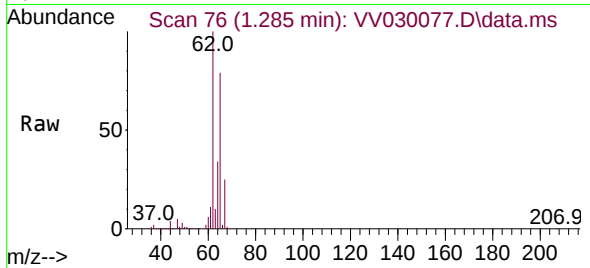




#5
 Vinyl chloride
 Concen: 52.813 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV030077.D
 Acq: 22 Feb 2023 12:01

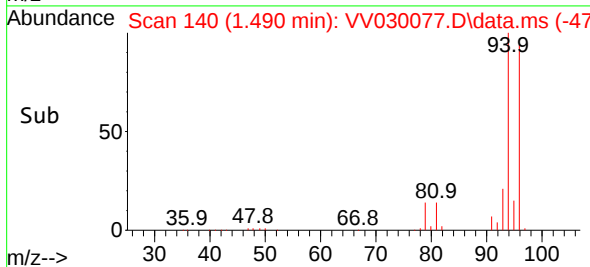
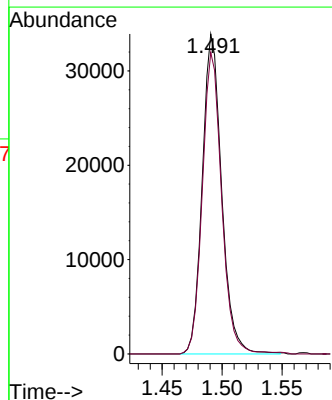
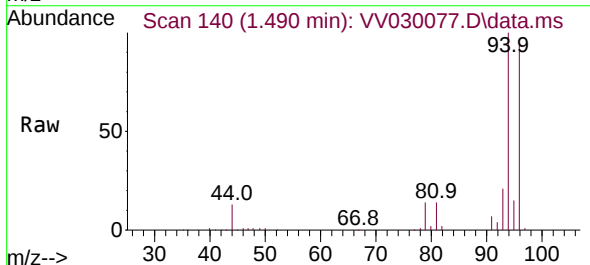
Instrument :
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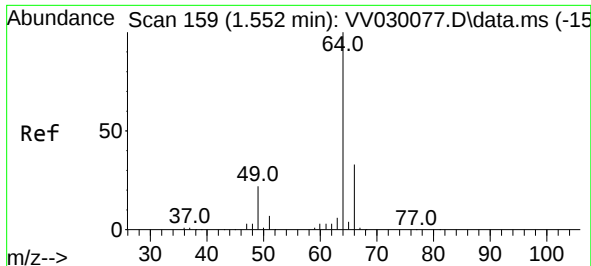
Tgt Ion: 62 Resp: 195353
 Ion Ratio Lower Upper
 62 100
 64 34.2 22.9 42.5



#6
 Bromomethane
 Concen: 56.801 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV030077.D
 Acq: 22 Feb 2023 12:01

Tgt Ion: 94 Resp: 38191
 Ion Ratio Lower Upper
 94 100
 96 94.2 66.7 123.9

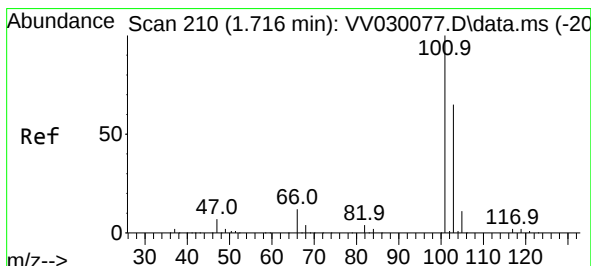
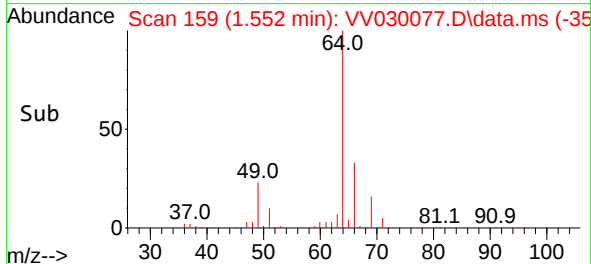
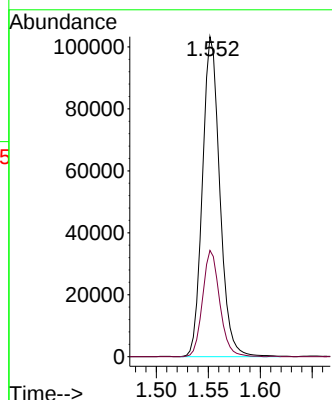
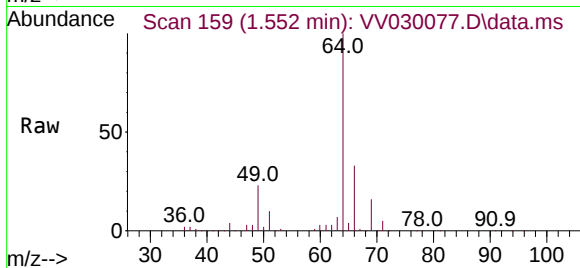




#8
Chloroethane
Concen: 55.777 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

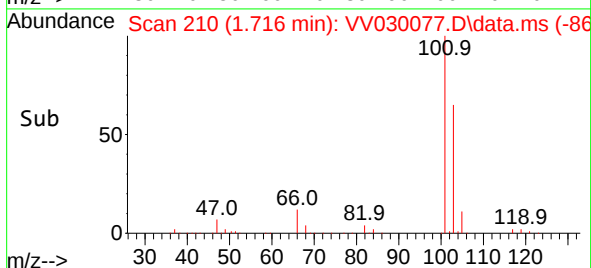
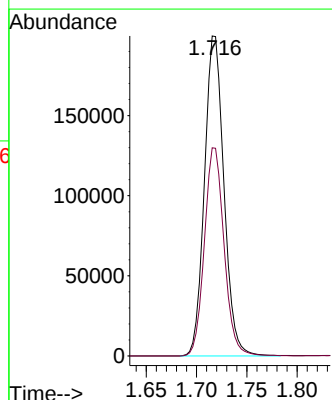
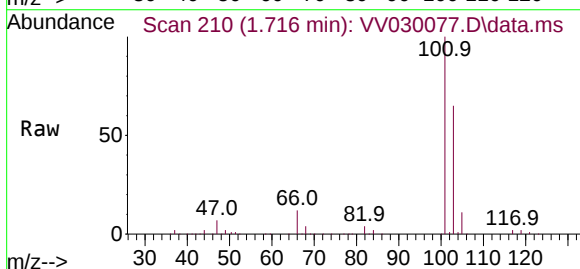
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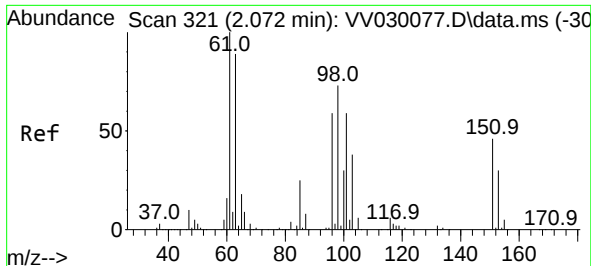
Tgt Ion: 64 Resp: 120378
Ion Ratio Lower Upper
64 100
66 33.2 22.3 41.3



#9
Trichlorofluoromethane
Concen: 54.984 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

Tgt Ion:101 Resp: 269603
Ion Ratio Lower Upper
101 100
103 65.7 52.6 78.8

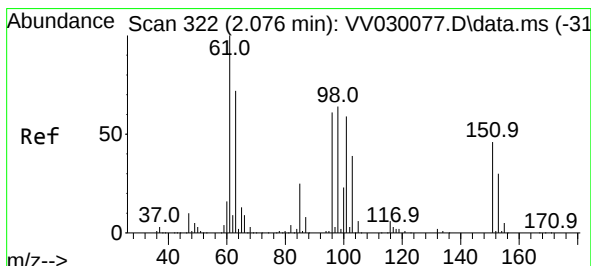
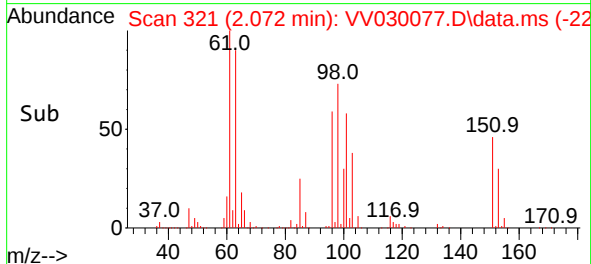
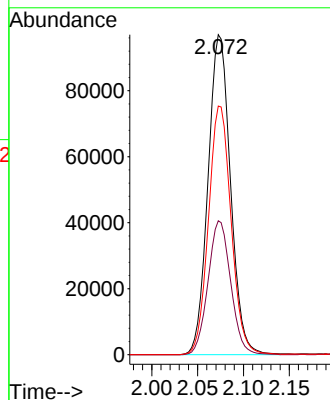
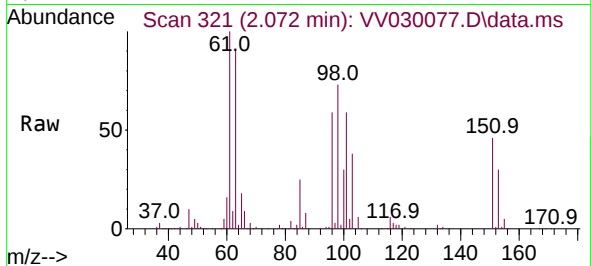




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 55.104 ug/L
 RT: 2.072 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VV030077.D
 Acq: 22 Feb 2023 12:01

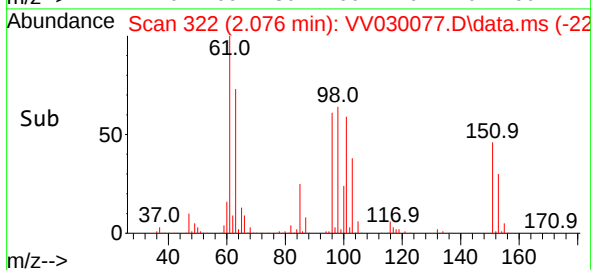
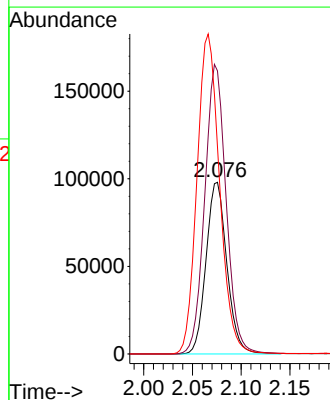
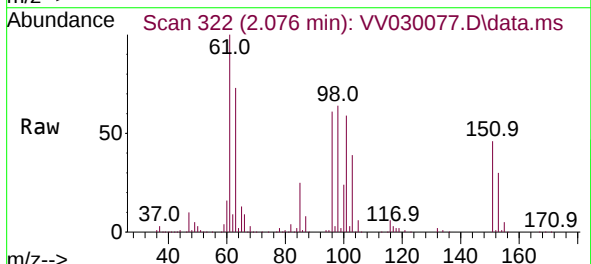
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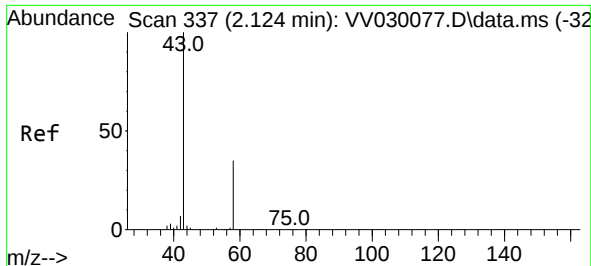
Tgt Ion:101 Resp: 165365
 Ion Ratio Lower Upper
 101 100
 85 42.2 33.4 50.2
 151 78.4 60.8 91.2



#12
 1,1-Dichloroethene
 Concen: 53.939 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.003 min
 Lab File: VV030077.D
 Acq: 22 Feb 2023 12:01

Tgt Ion: 96 Resp: 145614
 Ion Ratio Lower Upper
 96 100
 61 164.9 115.8 215.2
 63 120.6 83.4 154.8





#13

Acetone

Concen: 114.570 ug/L

RT: 2.124 min Scan# 337

Delta R.T. 0.000 min

Lab File: VV030077.D

Acq: 22 Feb 2023 12:01

Instrument :

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ClientSampleId :

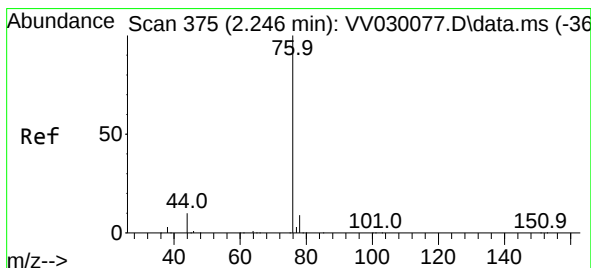
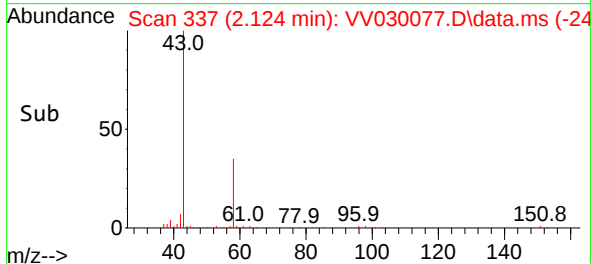
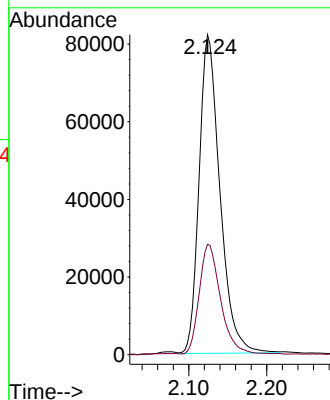
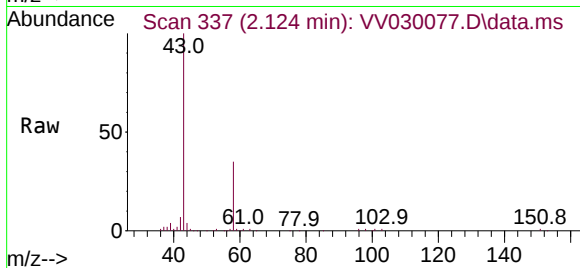
VSTD050285

Tgt Ion: 43 Resp: 152581

Ion Ratio Lower Upper

43 100

58 35.3 0.0 70.6



#14

Carbon disulfide

Concen: 48.469 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

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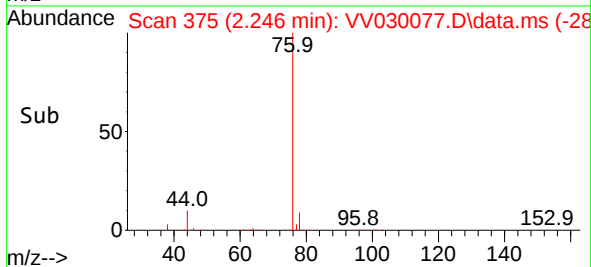
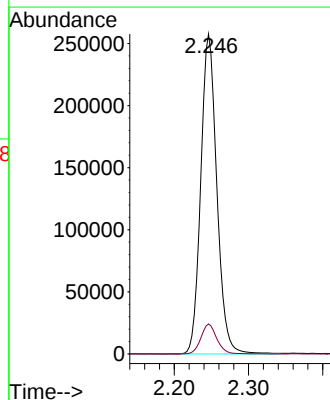
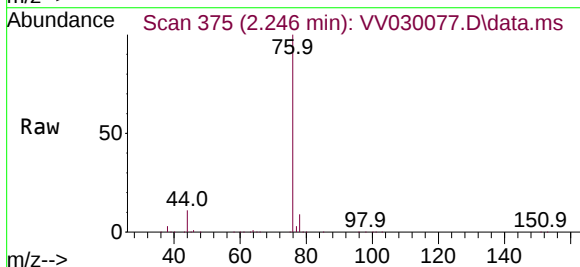
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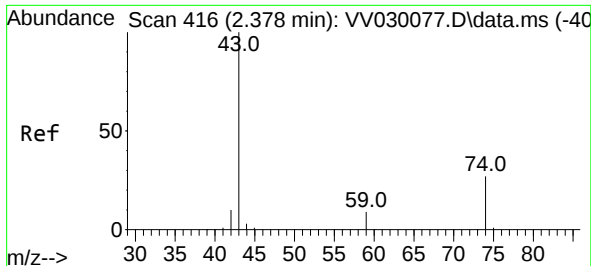
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Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2

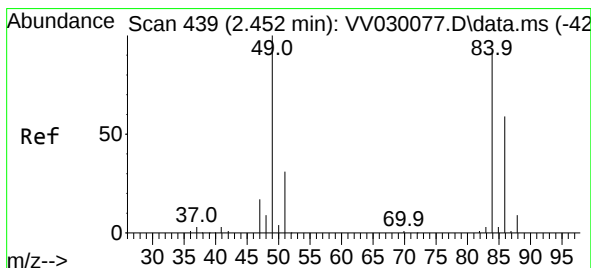
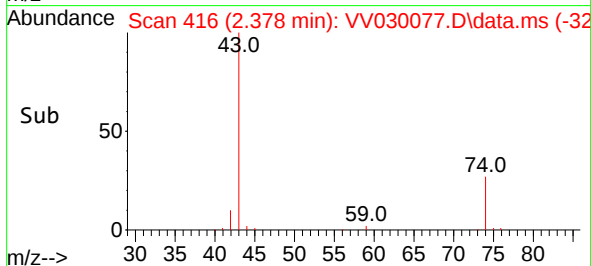
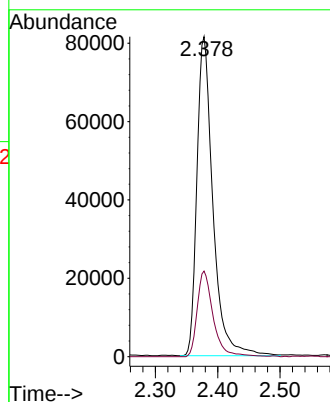
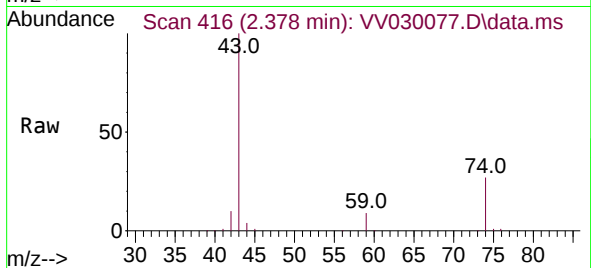




#15
Methyl Acetate
Concen: 52.268 ug/L
RT: 2.378 min Scan# 416
Delta R.T. 0.000 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

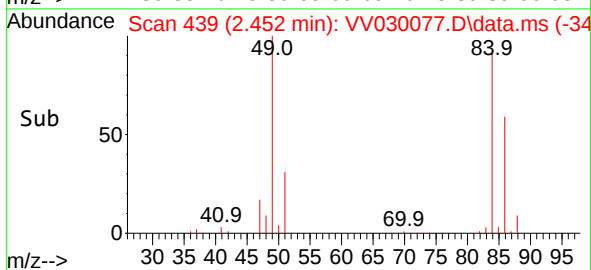
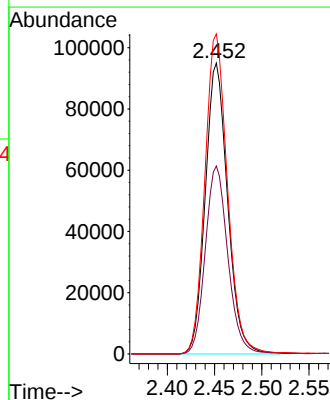
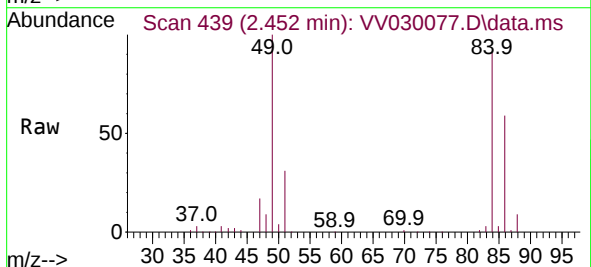
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

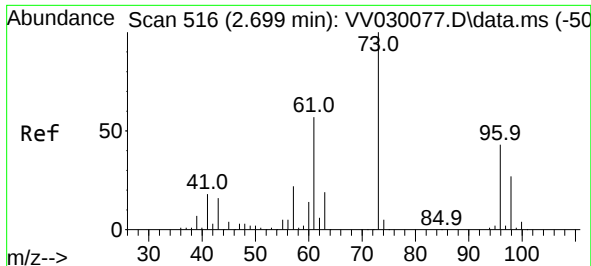
Tgt Ion: 43 Resp: 144740
Ion Ratio Lower Upper
43 100
74 26.1 21.9 32.9



#16
Methylene chloride
Concen: 52.786 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

Tgt Ion: 84 Resp: 156009
Ion Ratio Lower Upper
84 100
86 64.6 45.1 83.7
49 110.0 78.7 146.1

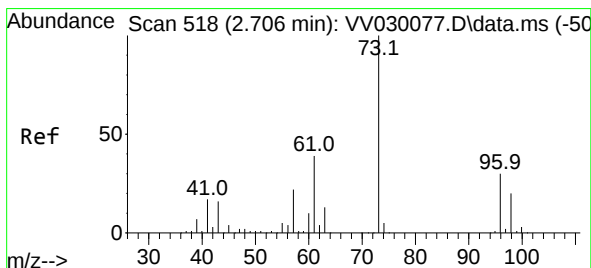
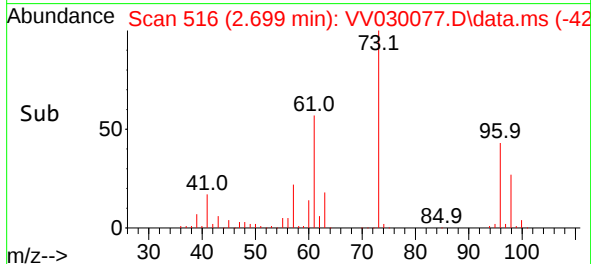
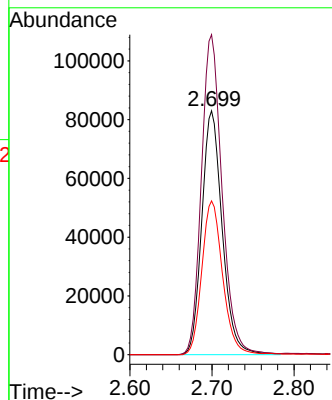
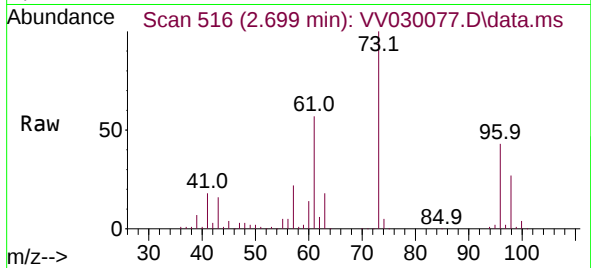




#17
trans-1,2-Dichloroethene
Concen: 51.973 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

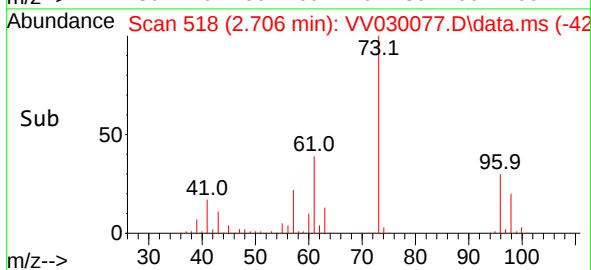
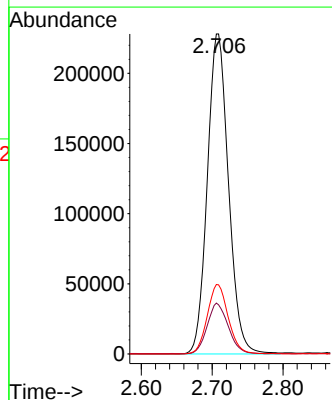
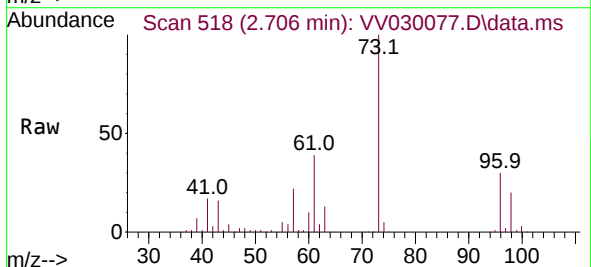
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

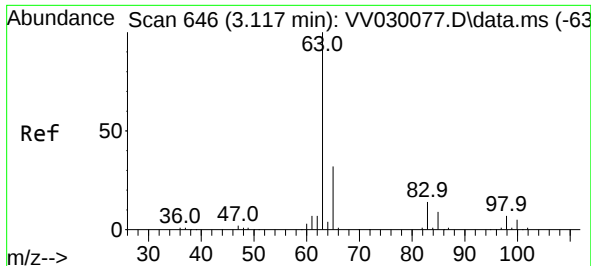
Tgt Ion: 96 Resp: 143428
Ion Ratio Lower Upper
96 100
61 131.2 93.3 173.3
98 63.0 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 53.881 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.000 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

Tgt Ion: 73 Resp: 473192
Ion Ratio Lower Upper
73 100
43 15.6 12.7 19.1
57 21.5 17.0 25.4

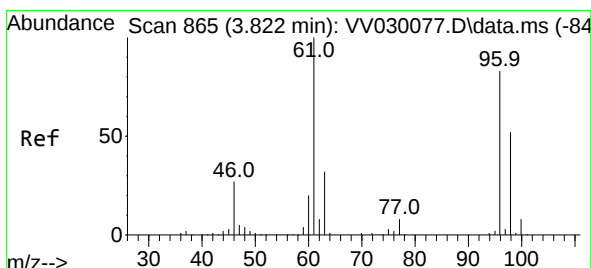
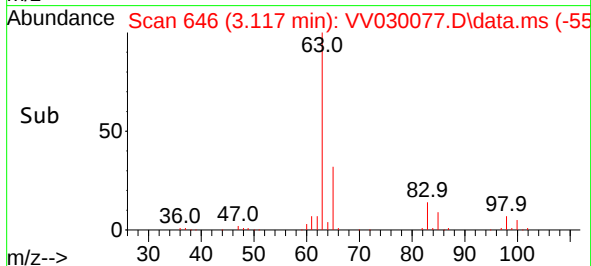
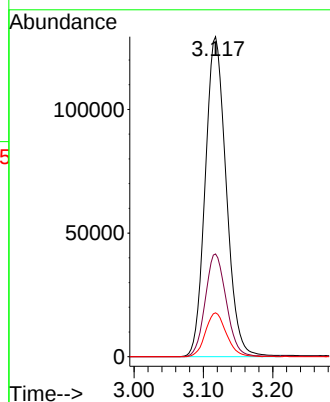
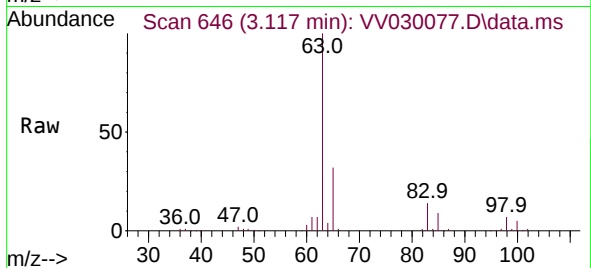




#19
1,1-Dichloroethane
Concen: 53.538 ug/L
RT: 3.117 min Scan# 646
Delta R.T. 0.000 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

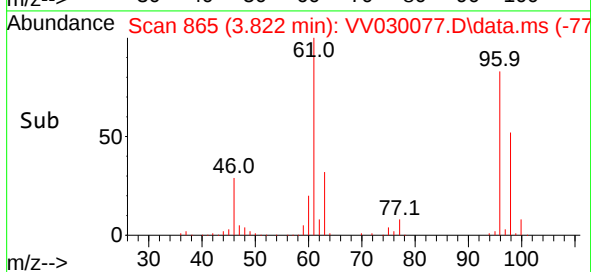
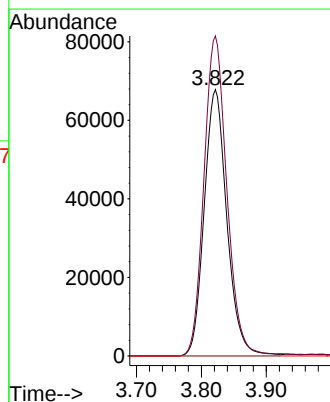
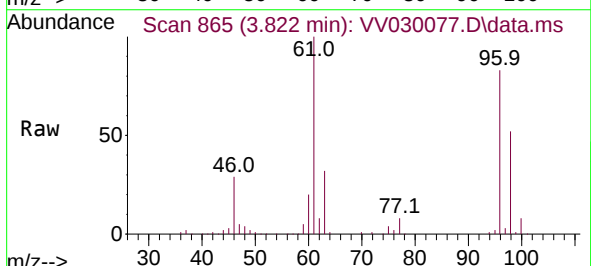
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

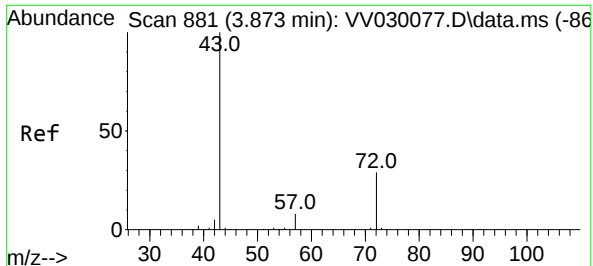
Tgt Ion: 63 Resp: 272311
Ion Ratio Lower Upper
63 100
65 32.1 22.0 41.0
83 13.7 9.6 17.8



#20
cis-1,2-Dichloroethene
Concen: 54.054 ug/L
RT: 3.822 min Scan# 865
Delta R.T. 0.000 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

Tgt Ion: 96 Resp: 164966
Ion Ratio Lower Upper
96 100
61 120.1 86.0 159.6
68 0.0 0.0 0.0

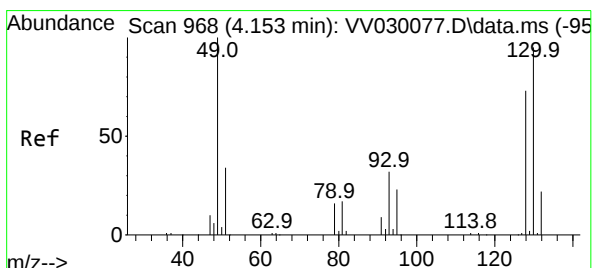
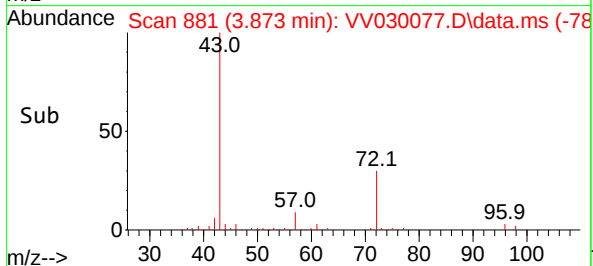
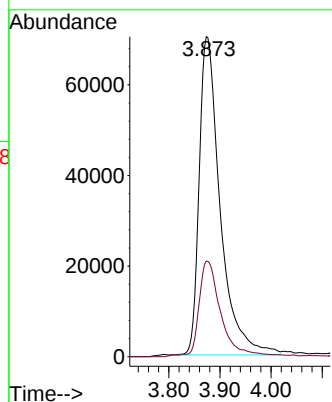
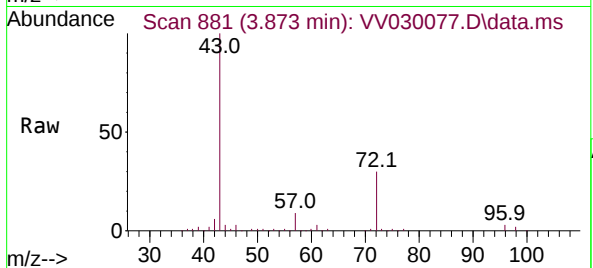




#22
2-Butanone
Concen: 107.561 ug/L
RT: 3.873 min Scan# 881
Delta R.T. -0.003 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

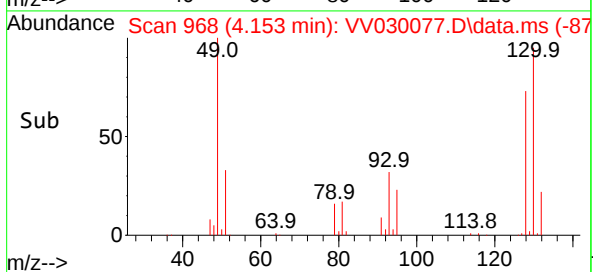
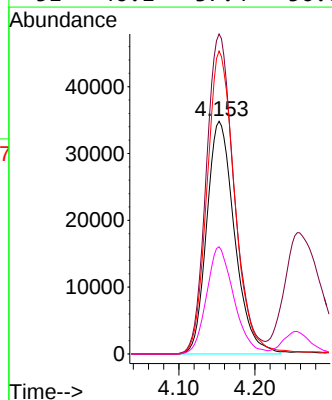
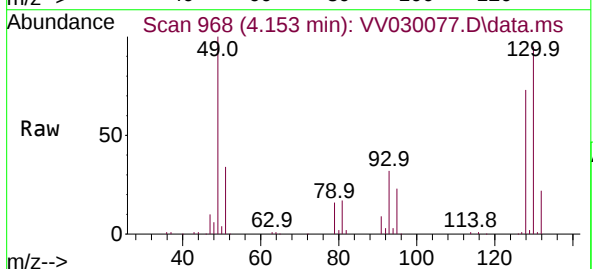
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

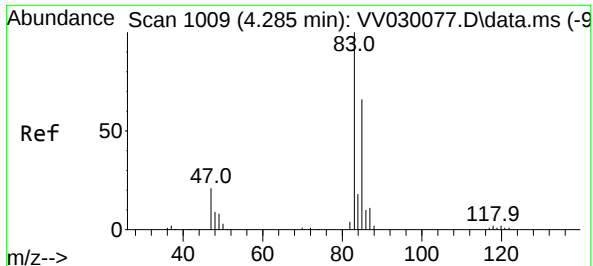
Tgt Ion: 43 Resp: 200982
Ion Ratio Lower Upper
43 100
72 28.9 14.7 44.1



#23
Bromochloromethane
Concen: 54.353 ug/L
RT: 4.153 min Scan# 968
Delta R.T. -0.003 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

Tgt Ion:128 Resp: 88441
Ion Ratio Lower Upper
128 100
49 137.5 101.0 187.6
130 130.2 88.2 163.8
51 46.1 37.4 56.0





#25

Chloroform

Concen: 53.968 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. 0.000 min

Lab File: VV030077.D

Acq: 22 Feb 2023 12:01

Instrument :

MSVOA_V

ClientSampleId :

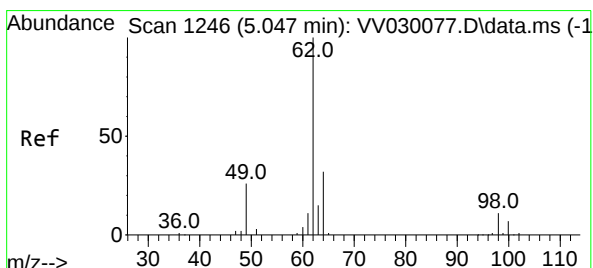
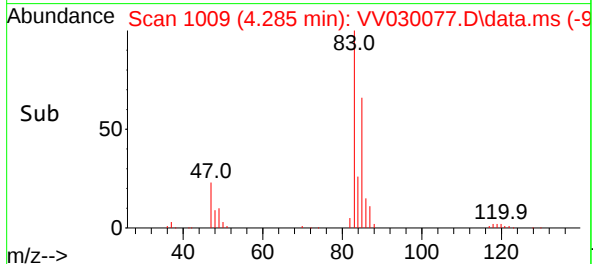
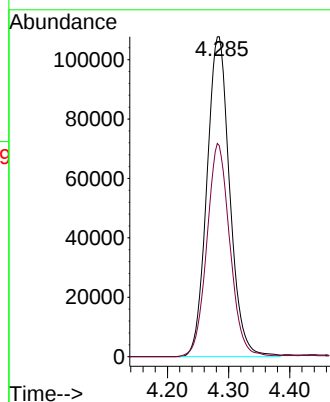
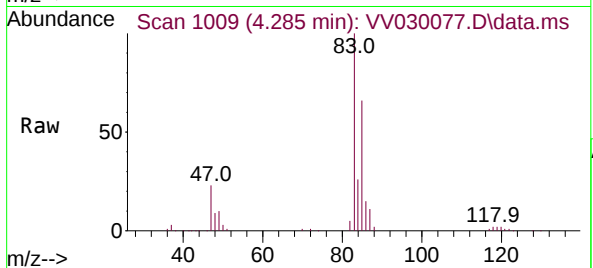
VSTD050285

Tgt Ion: 83 Resp: 279841

Ion Ratio Lower Upper

83 100

85 65.9 45.4 84.4



#27

1,2-Dichloroethane

Concen: 53.013 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VV030077.D

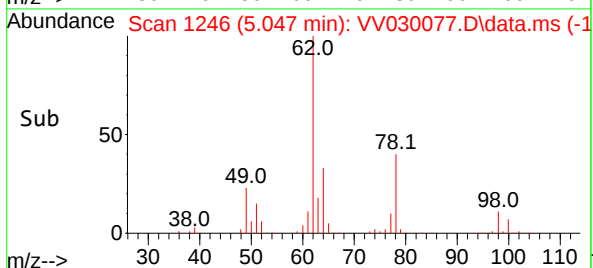
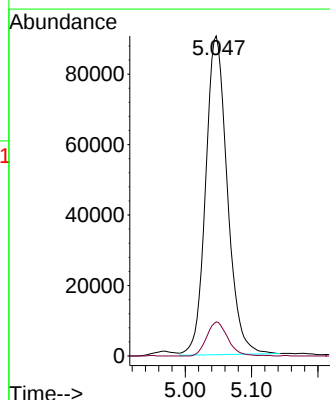
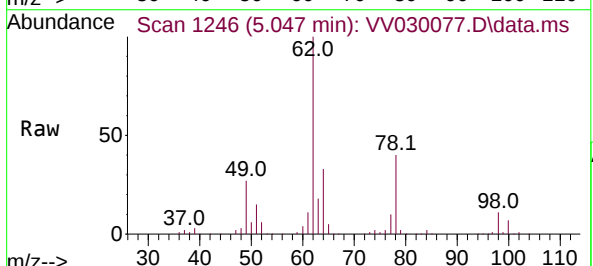
Acq: 22 Feb 2023 12:01

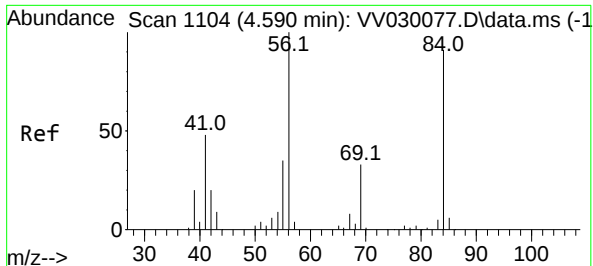
Tgt Ion: 62 Resp: 205306

Ion Ratio Lower Upper

62 100

98 10.7 8.5 12.7





#29

Cyclohexane

Concen: 51.209 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VV030077.D

Acq: 22 Feb 2023 12:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD050285

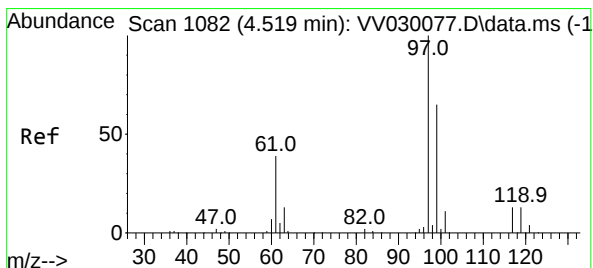
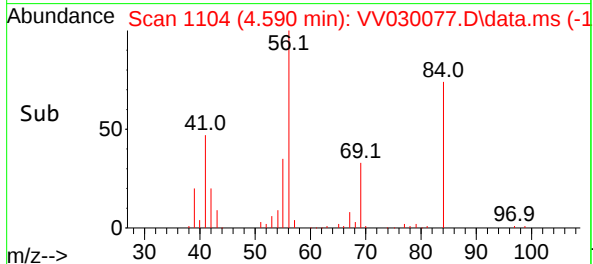
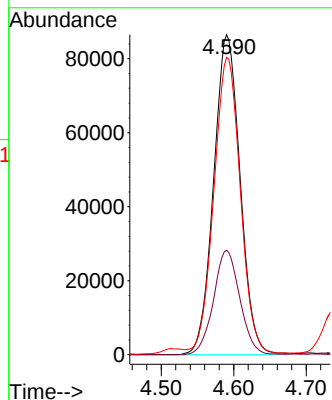
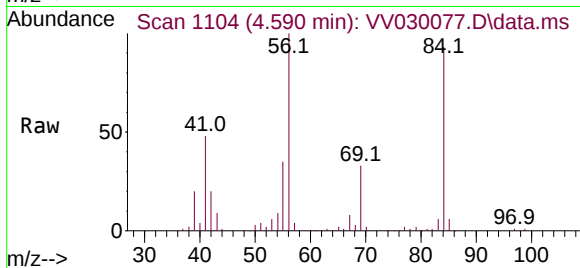
Tgt Ion: 56 Resp: 218891

Ion Ratio Lower Upper

56 100

69 32.5 25.3 37.9

84 92.1 73.0 109.4



#30

1,1,1-Trichloroethane

Concen: 55.056 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.003 min

Lab File: VV030077.D

Acq: 22 Feb 2023 12:01

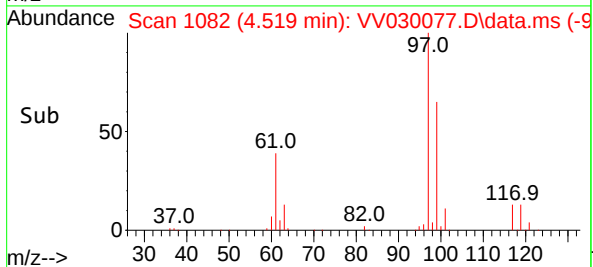
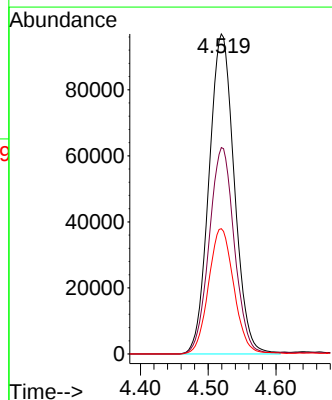
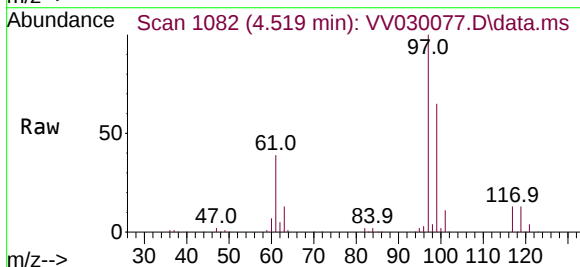
Tgt Ion: 97 Resp: 250881

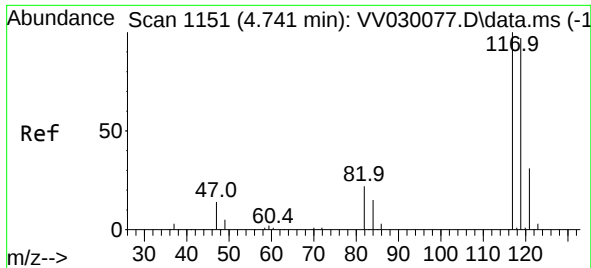
Ion Ratio Lower Upper

97 100

99 64.3 50.7 76.1

61 39.3 31.6 47.4

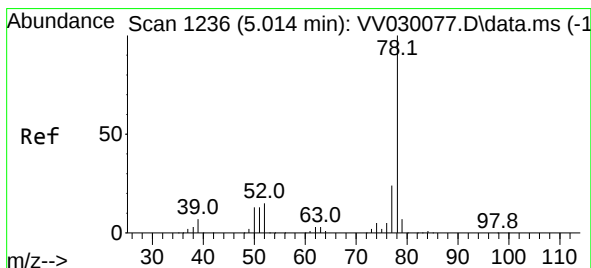
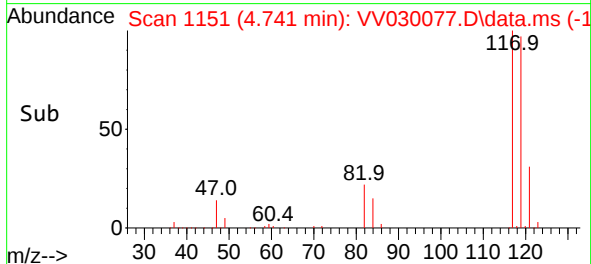
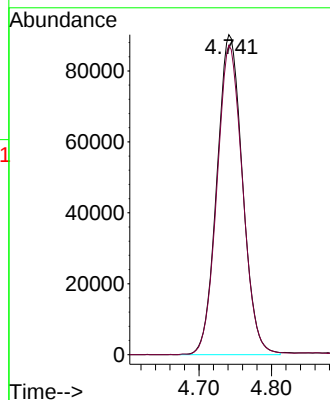
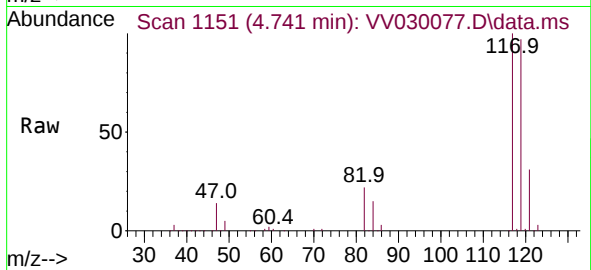




#31
Carbon tetrachloride
Concen: 55.335 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. -0.003 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

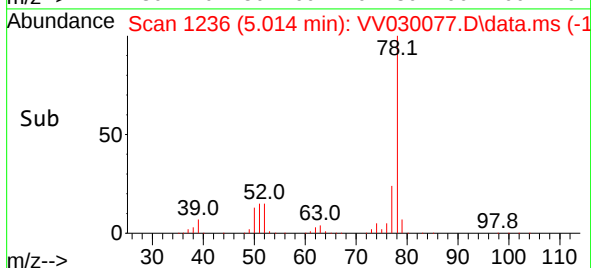
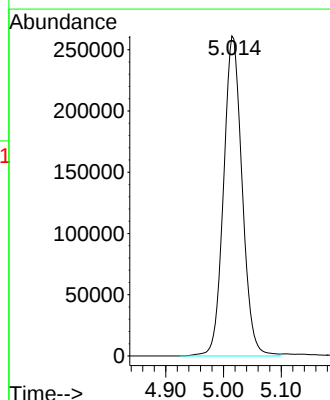
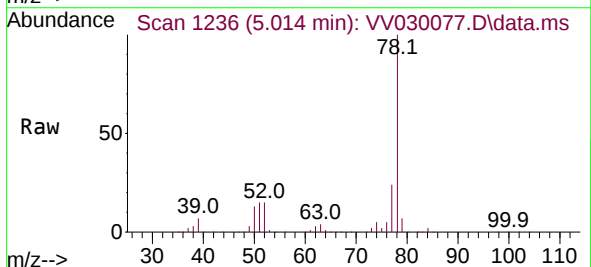
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

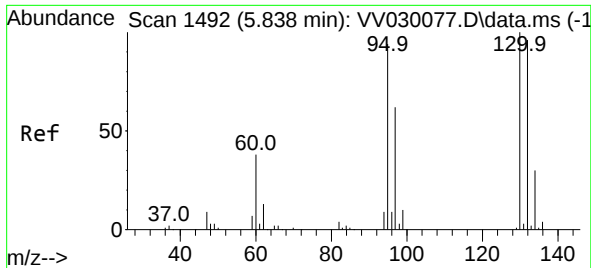
Tgt Ion:117 Resp: 221359
Ion Ratio Lower Upper
117 100
119 96.5 76.8 115.2



#33
Benzene
Concen: 53.918 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. -0.003 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

Tgt Ion: 78 Resp: 583528

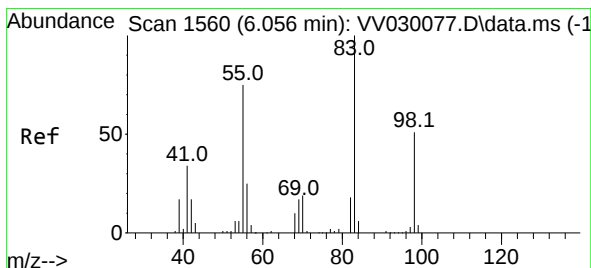
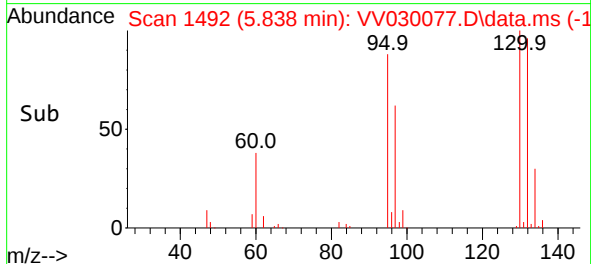
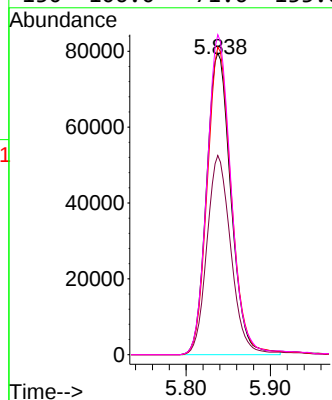
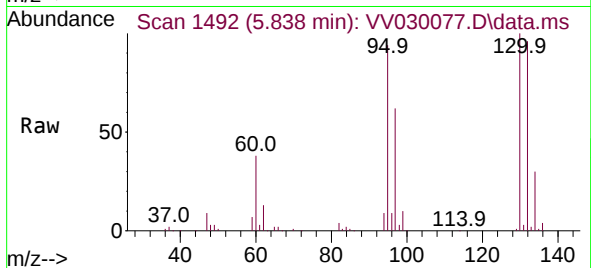




#34
Trichloroethene
Concen: 54.384 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.000 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

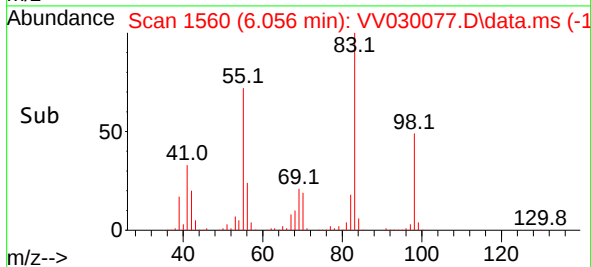
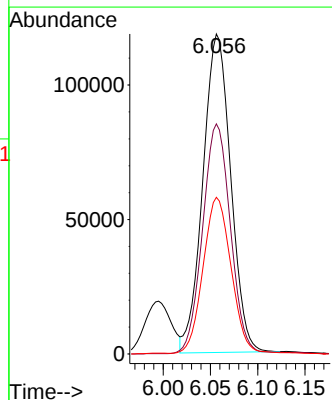
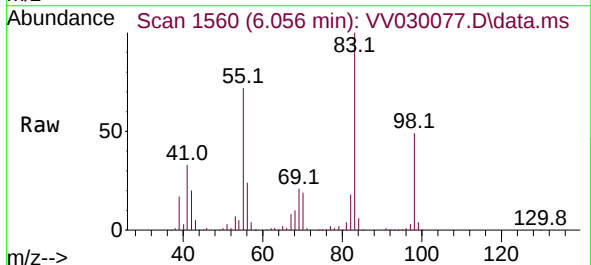
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

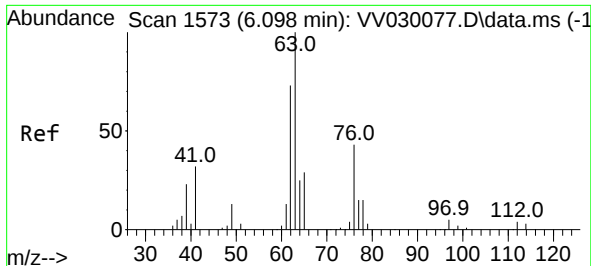
Tgt Ion: 95 Resp: 160196
Ion Ratio Lower Upper
95 100
97 66.0 44.1 81.9
132 102.0 68.3 126.9
130 106.0 71.6 133.0



#35
Methylcyclohexane
Concen: 51.867 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.003 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

Tgt Ion: 83 Resp: 242534
Ion Ratio Lower Upper
83 100
55 72.1 58.4 87.6
98 49.3 39.8 59.8





#37

1,2-Dichloropropane

Concen: 54.792 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV030077.D

Acq: 22 Feb 2023 12:01

Instrument :

MSVOA_V

ClientSampleId :

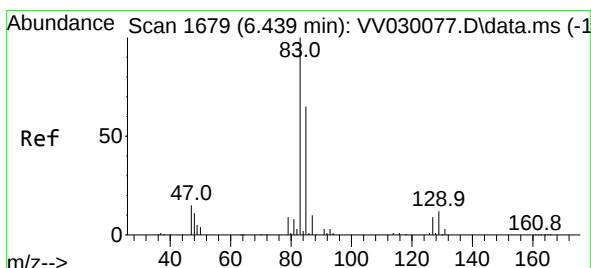
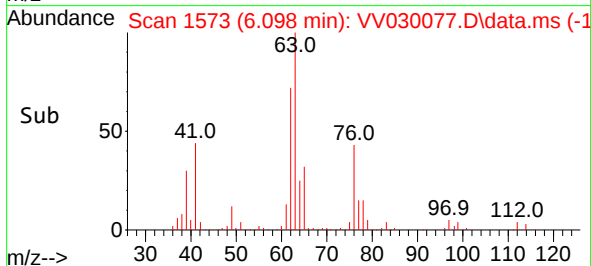
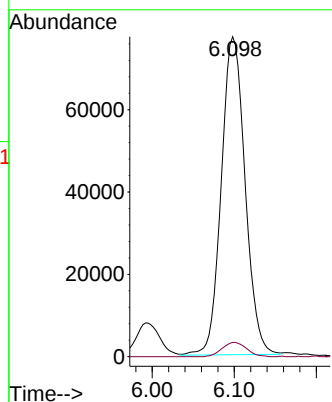
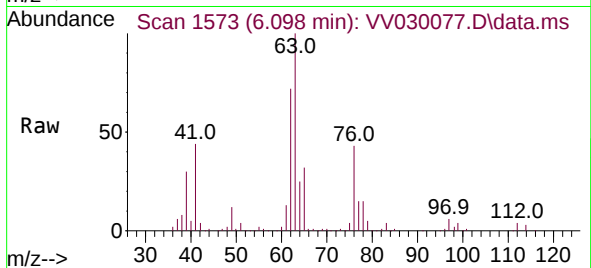
VSTD050285

Tgt Ion: 63 Resp: 156167

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#38

Bromodichloromethane

Concen: 55.573 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV030077.D

Acq: 22 Feb 2023 12:01

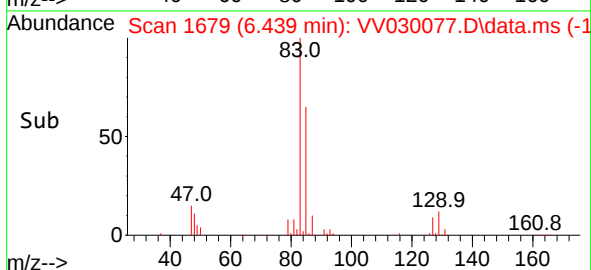
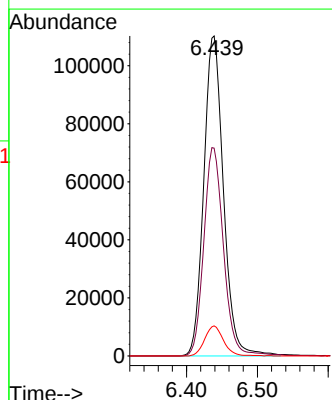
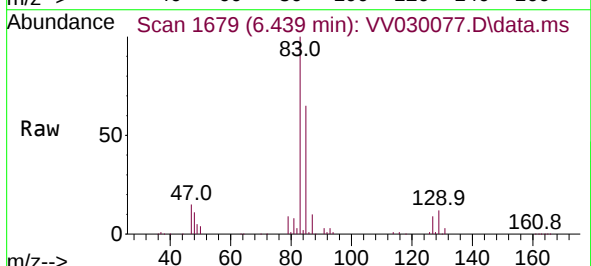
Tgt Ion: 83 Resp: 212746

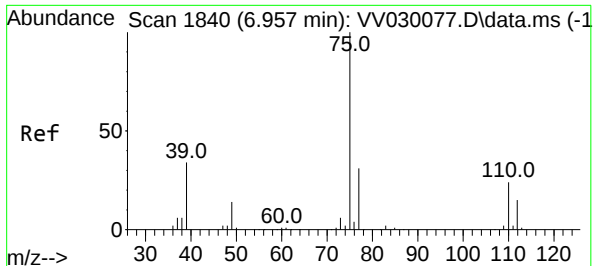
Ion Ratio Lower Upper

83 100

85 64.9 44.9 83.5

127 9.4 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 53.751 ug/L

RT: 6.957 min Scan# 1840

Delta R.T. -0.003 min

Lab File: VV030077.D

Acq: 22 Feb 2023 12:01

Instrument :

MSVOA_V

ClientSampleId :

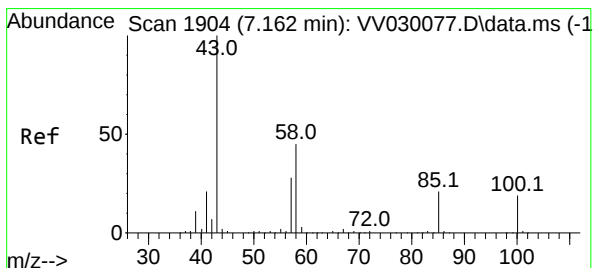
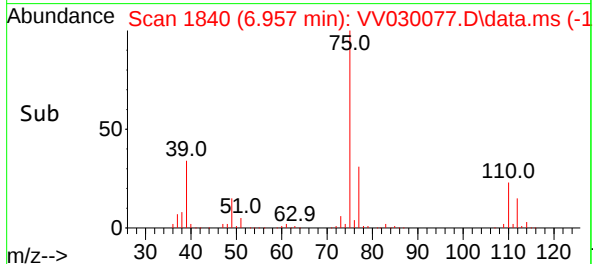
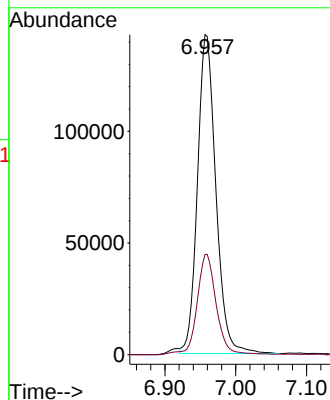
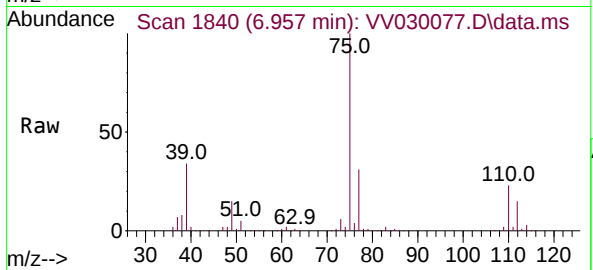
VSTD050285

Tgt Ion: 75 Resp: 257528

Ion Ratio Lower Upper

75 100

77 31.3 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 107.270 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV030077.D

Acq: 22 Feb 2023 12:01

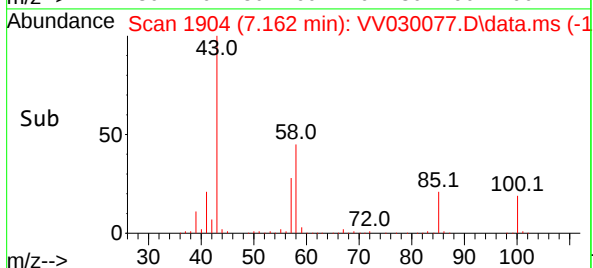
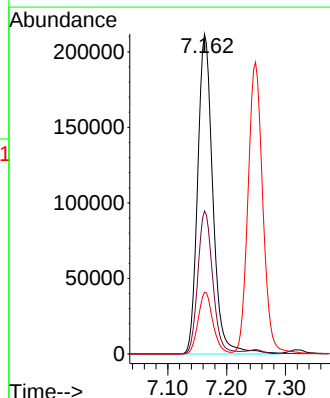
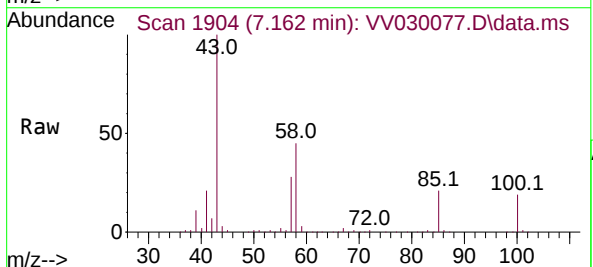
Tgt Ion: 43 Resp: 380094

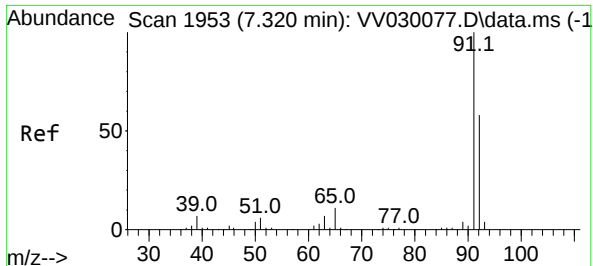
Ion Ratio Lower Upper

43 100

58 43.9 34.8 52.2

100 18.8 14.6 22.0

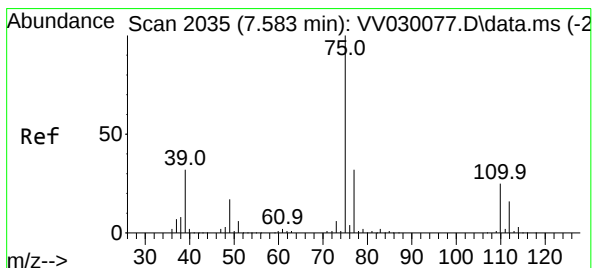
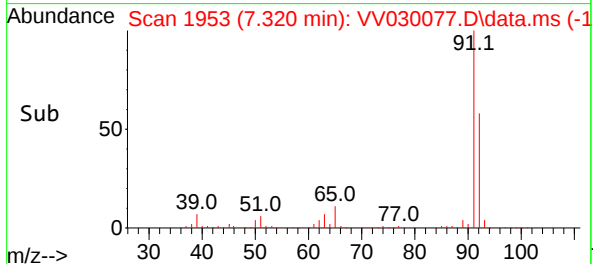
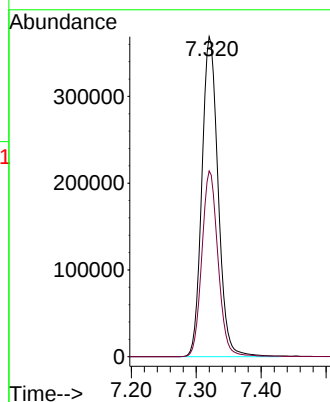
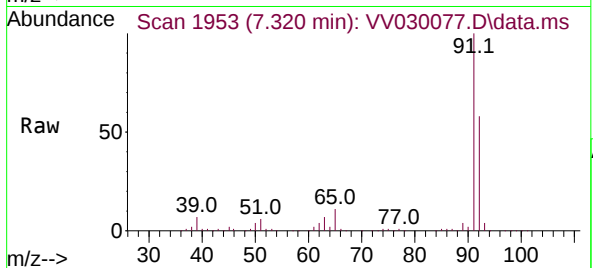




#42
Toluene
Concen: 54.351 ug/L
RT: 7.320 min Scan# 1953
Delta R.T. -0.003 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

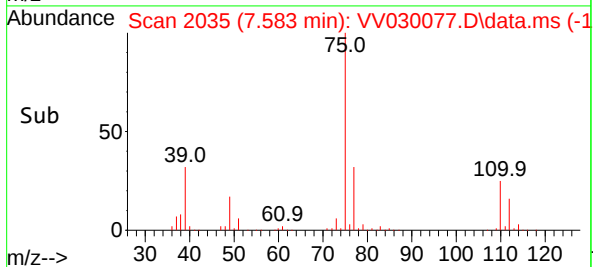
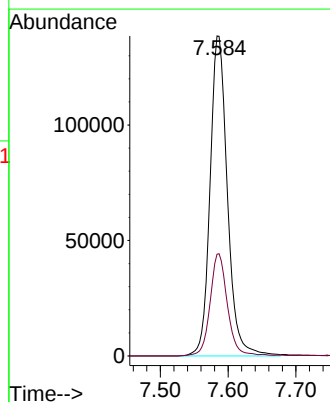
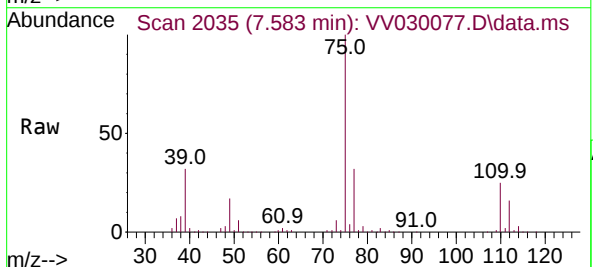
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

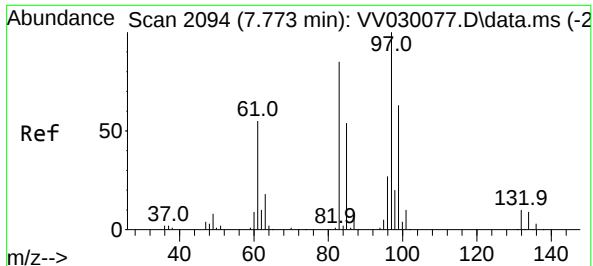
Tgt Ion: 91 Resp: 643657
Ion Ratio Lower Upper
91 100
92 58.1 40.3 74.9



#44
trans-1,3-Dichloropropene
Concen: 56.639 ug/L
RT: 7.583 min Scan# 2035
Delta R.T. -0.003 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

Tgt Ion: 75 Resp: 246795
Ion Ratio Lower Upper
75 100
77 31.8 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 55.694 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. -0.003 min

Lab File: VV030077.D

Acq: 22 Feb 2023 12:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD050285

Tgt Ion: 97 Resp: 164751

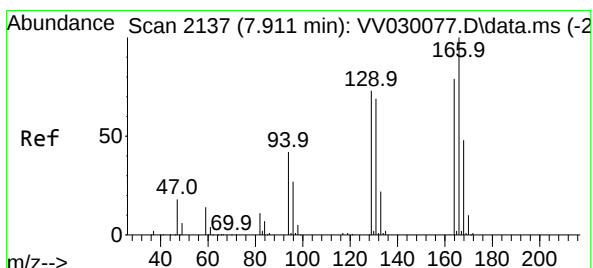
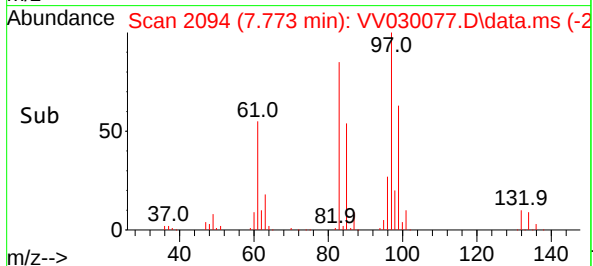
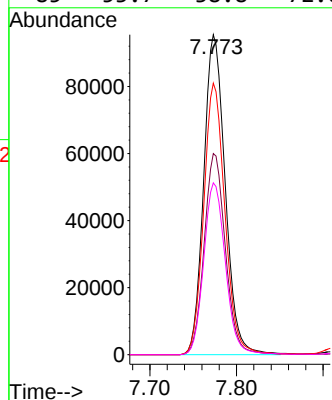
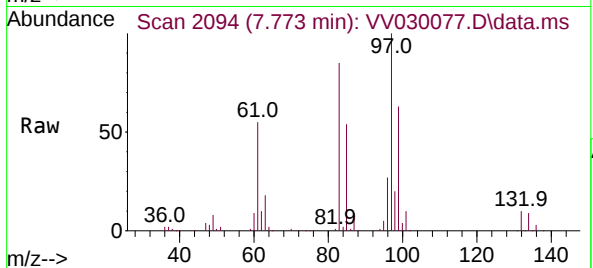
Ion Ratio Lower Upper

97 100

99 62.8 43.8 81.4

83 84.8 59.9 111.3

85 53.7 38.8 72.0



#46

Tetrachloroethene

Concen: 54.816 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV030077.D

Acq: 22 Feb 2023 12:01

Tgt Ion:164 Resp: 135745

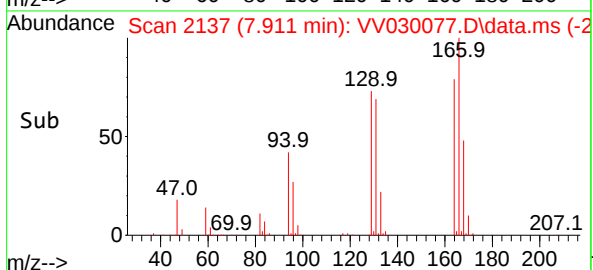
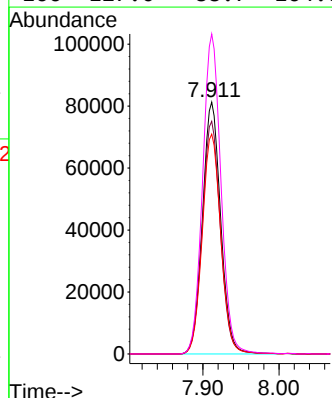
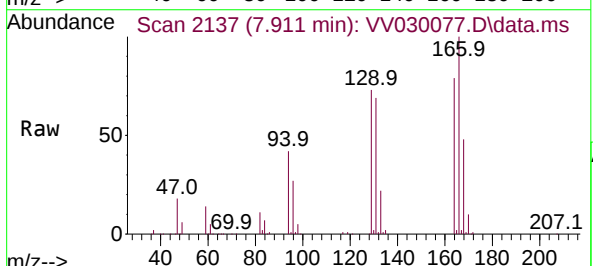
Ion Ratio Lower Upper

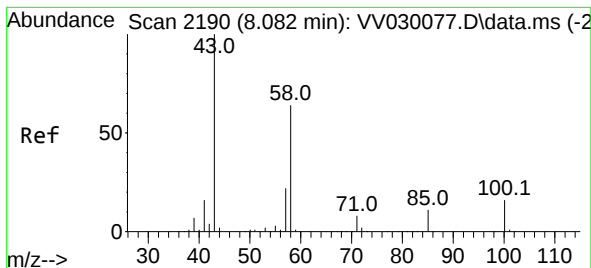
164 100

129 92.3 65.2 121.0

131 87.3 63.1 117.3

166 127.0 88.7 164.7





#48

2-Hexanone

Concen: 106.044 ug/L

RT: 8.082 min Scan# 2190

Delta R.T. 0.000 min

Lab File: VV030077.D

Acq: 22 Feb 2023 12:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD050285

Tgt Ion: 43 Resp: 289580

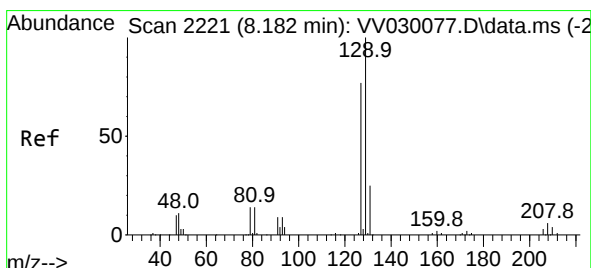
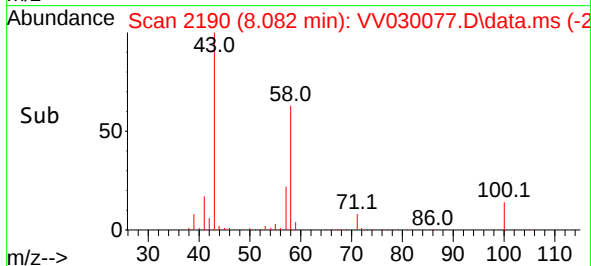
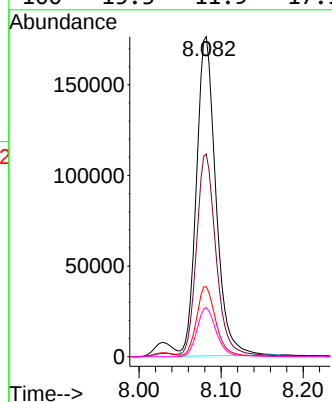
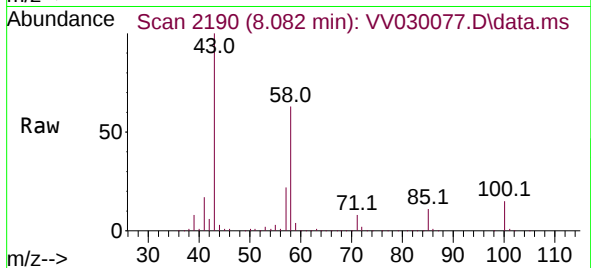
Ion Ratio Lower Upper

43 100

58 63.7 49.9 74.9

57 21.4 17.4 26.0

100 15.3 11.9 17.9



#49

Dibromochloromethane

Concen: 57.529 ug/L

RT: 8.182 min Scan# 2221

Delta R.T. -0.003 min

Lab File: VV030077.D

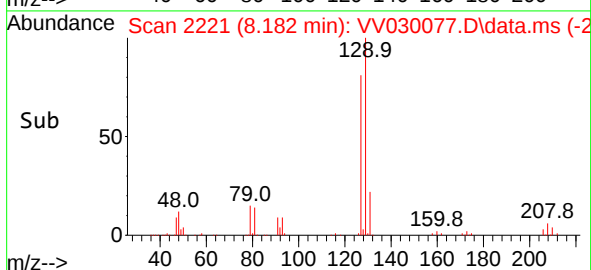
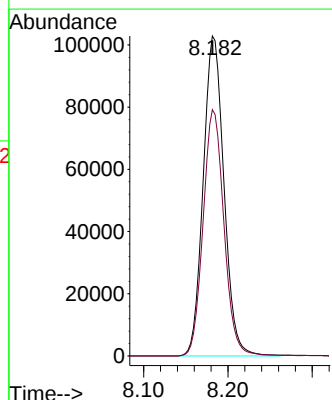
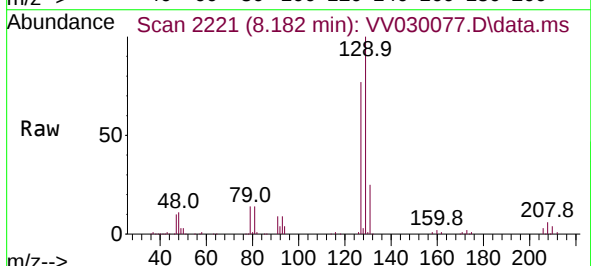
Acq: 22 Feb 2023 12:01

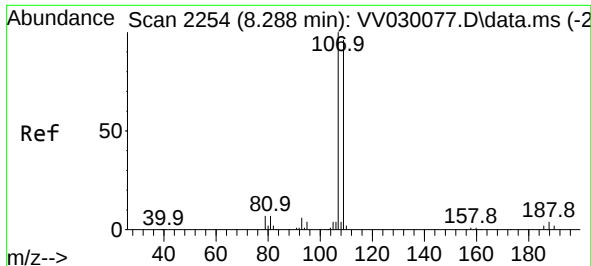
Tgt Ion: 129 Resp: 176439

Ion Ratio Lower Upper

129 100

127 77.0 54.9 102.1





#50

1,2-Dibromoethane

Concen: 54.358 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV030077.D

Acq: 22 Feb 2023 12:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD050285

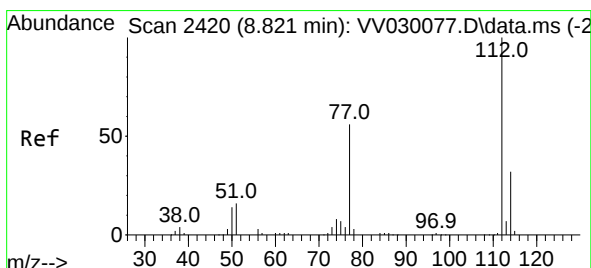
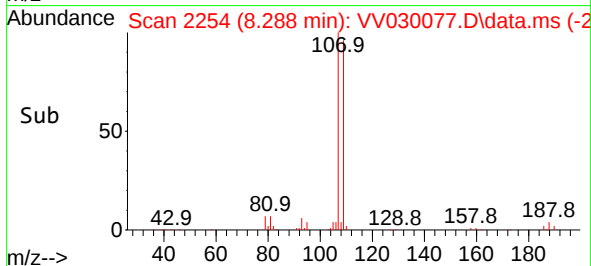
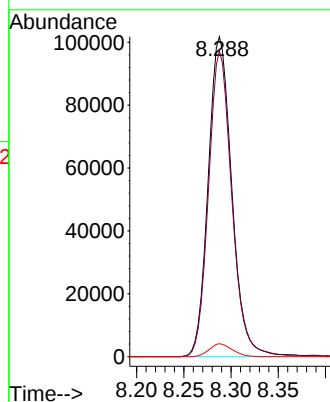
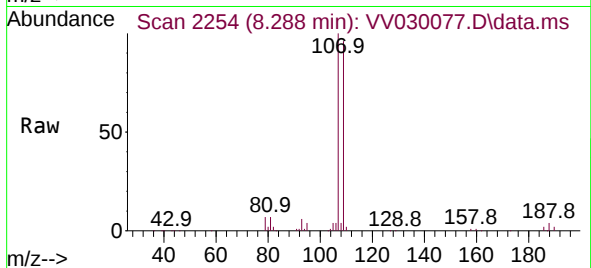
Tgt Ion:107 Resp: 176409

Ion Ratio Lower Upper

107 100

109 95.6 66.0 122.6

188 4.1 3.4 5.0



#51

Chlorobenzene

Concen: 53.125 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV030077.D

Acq: 22 Feb 2023 12:01

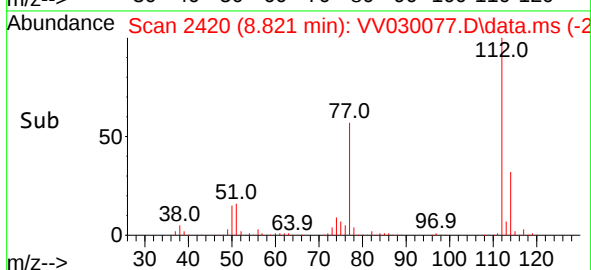
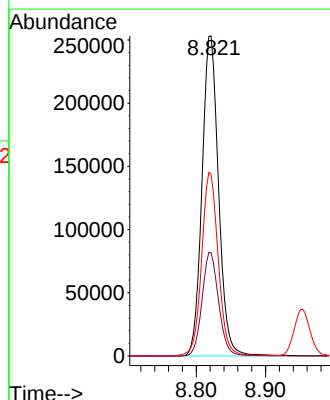
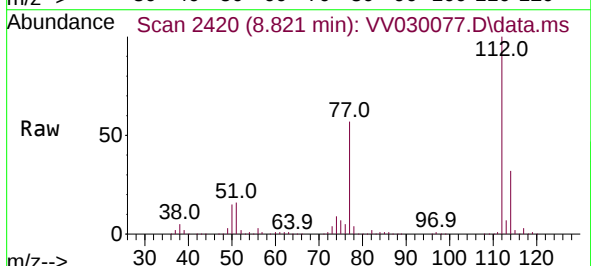
Tgt Ion:112 Resp: 419282

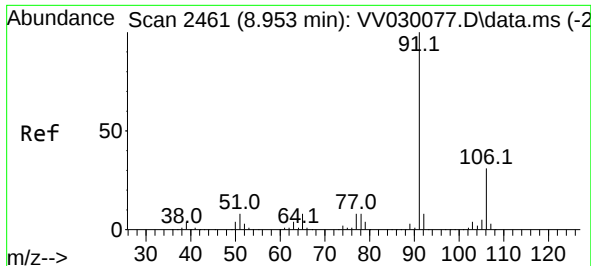
Ion Ratio Lower Upper

112 100

114 32.2 22.3 41.3

77 56.7 46.0 69.0

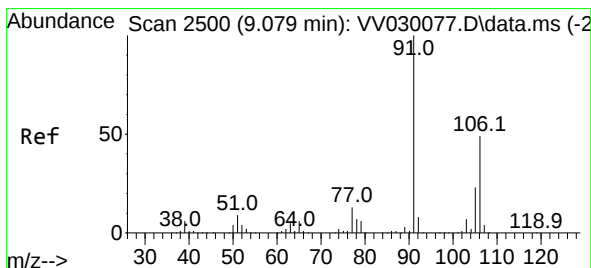
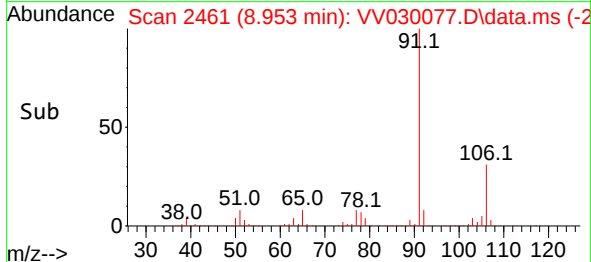
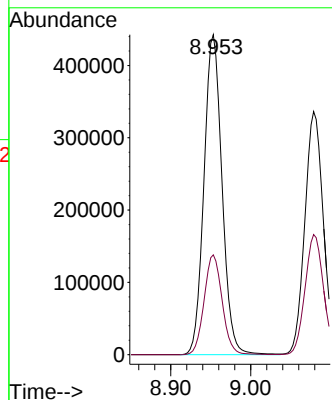
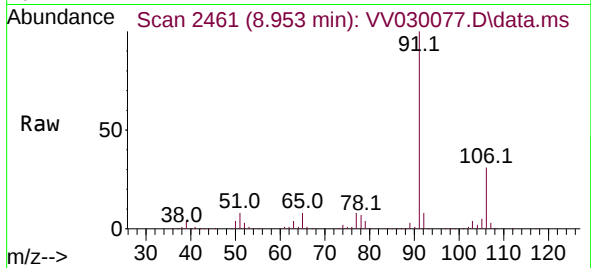




#52
Ethylbenzene
Concen: 53.126 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

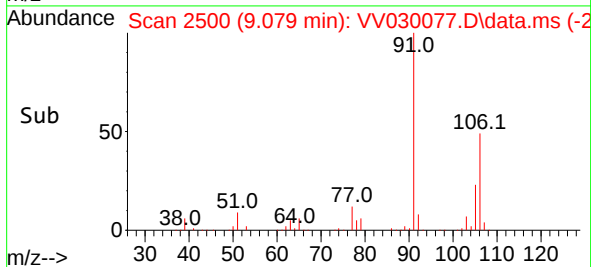
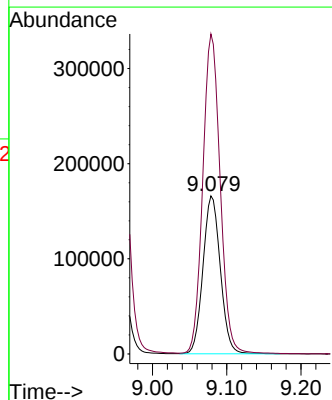
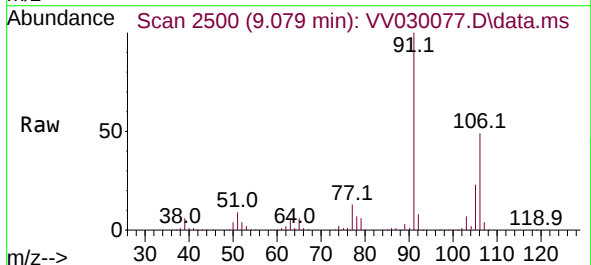
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

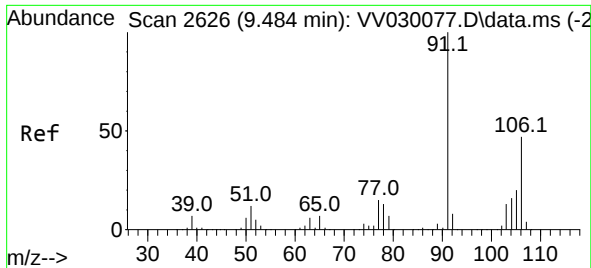
Tgt Ion: 91 Resp: 696607
Ion Ratio Lower Upper
91 100
106 31.2 22.0 40.8



#53
m,p-Xylene
Concen: 53.705 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. -0.003 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

Tgt Ion: 106 Resp: 269051
Ion Ratio Lower Upper
106 100
91 202.3 142.0 263.8

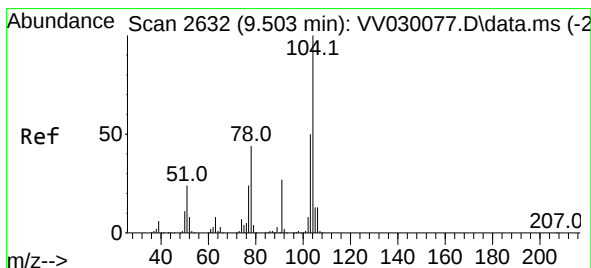
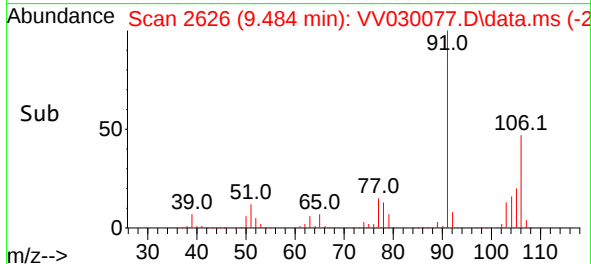
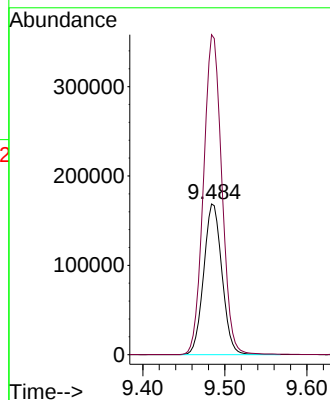
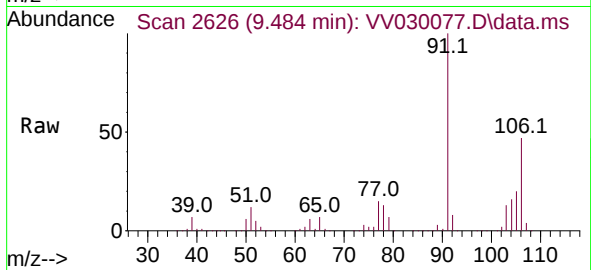




#54
o-Xylene
Concen: 54.116 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.003 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

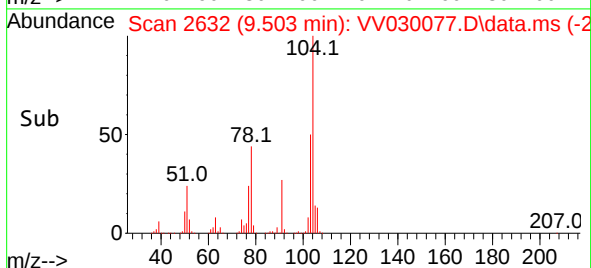
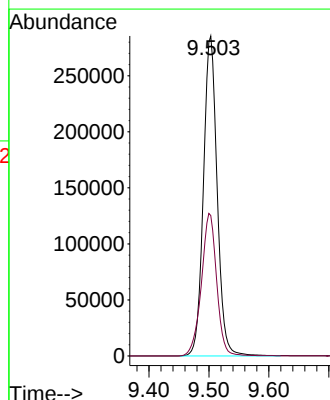
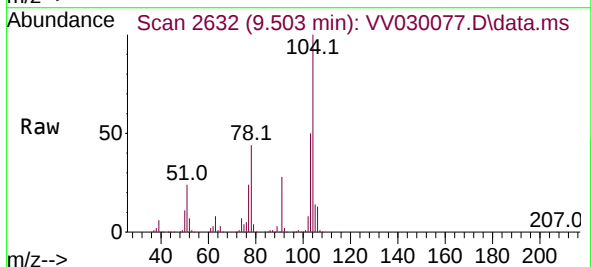
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

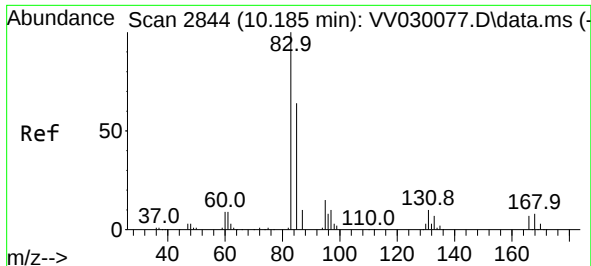
Tgt Ion:106 Resp: 261269
Ion Ratio Lower Upper
106 100
91 212.2 151.5 281.3



#55
Styrene
Concen: 55.337 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

Tgt Ion:104 Resp: 456402
Ion Ratio Lower Upper
104 100
78 43.9 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 53.524 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. 0.000 min

Lab File: VV030077.D

Acq: 22 Feb 2023 12:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD050285

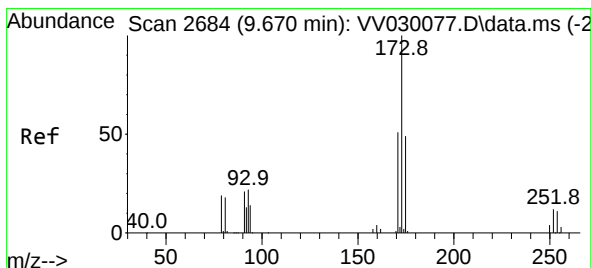
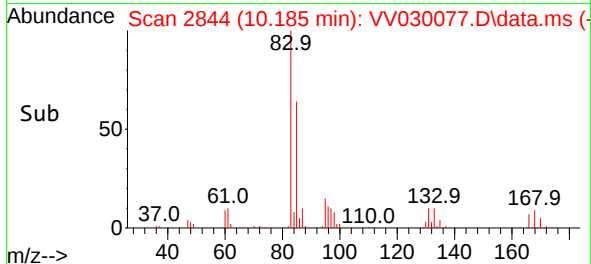
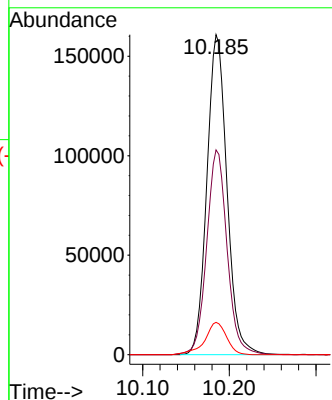
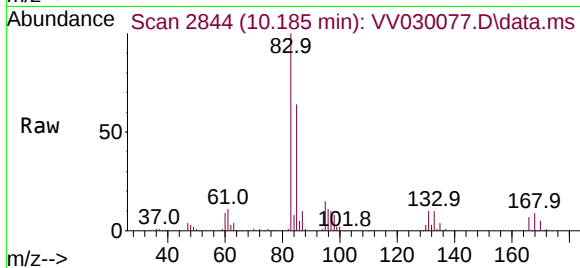
Tgt Ion: 83 Resp: 258826

Ion Ratio Lower Upper

83 100

85 64.0 45.5 84.5

131 10.1 8.3 12.5



#59

Bromoform

Concen: 58.574 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.003 min

Lab File: VV030077.D

Acq: 22 Feb 2023 12:01

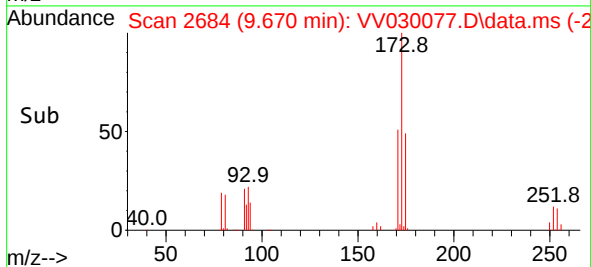
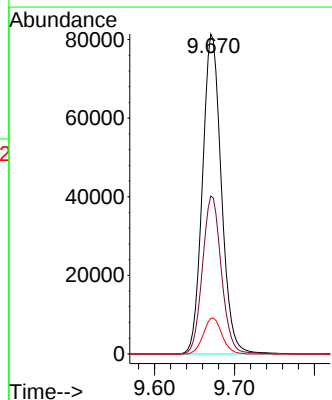
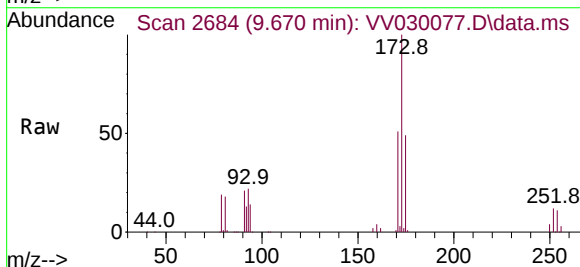
Tgt Ion: 173 Resp: 133751

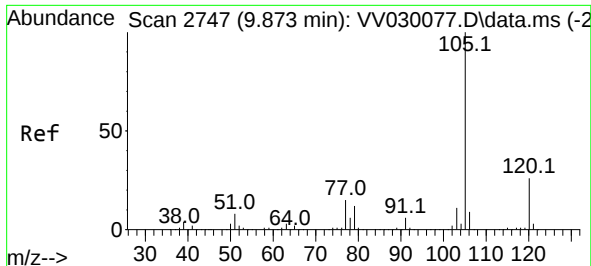
Ion Ratio Lower Upper

173 100

175 49.5 38.7 58.1

254 11.1 8.7 13.1

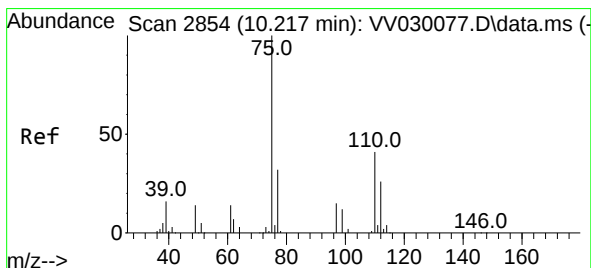
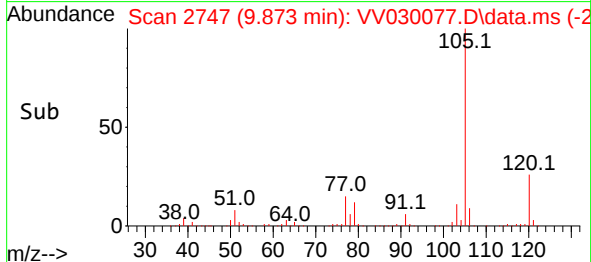
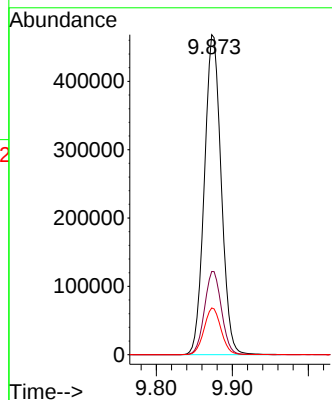
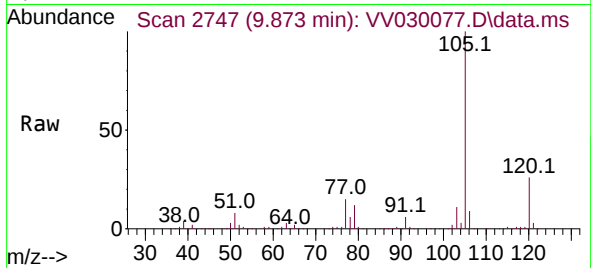




#60
Isopropylbenzene
Concen: 52.547 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

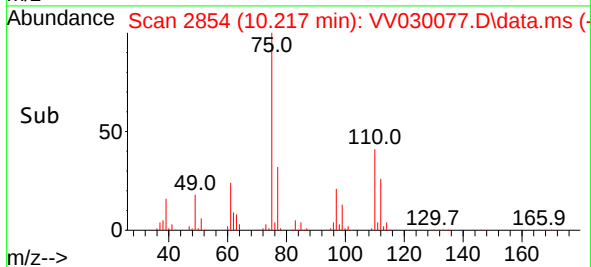
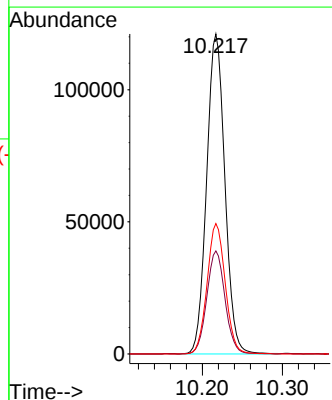
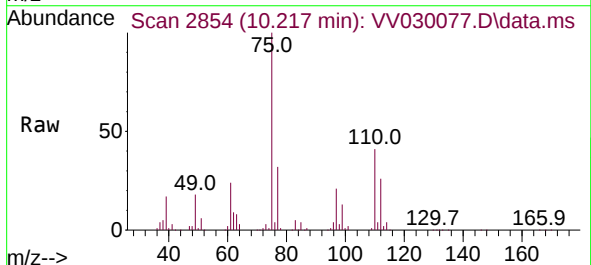
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

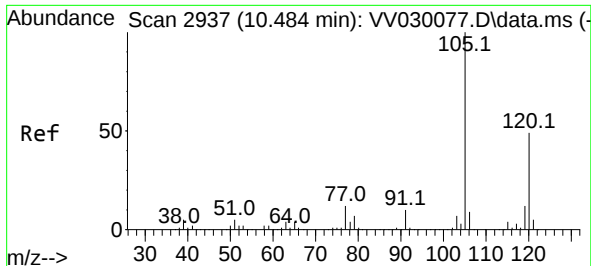
Tgt Ion:105 Resp: 720523
Ion Ratio Lower Upper
105 100
120 26.3 21.4 32.0
77 14.8 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 50.441 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

Tgt Ion: 75 Resp: 192439
Ion Ratio Lower Upper
75 100
77 32.3 25.9 38.9
110 40.5 32.1 48.1





#62

1,3,5-Trimethylbenzene

Concen: 53.161 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV030077.D

Acq: 22 Feb 2023 12:01

Instrument :

MSVOA_V

ClientSampleId :

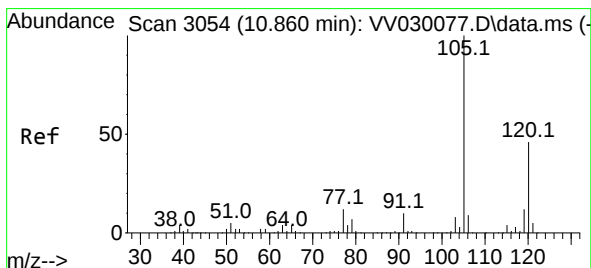
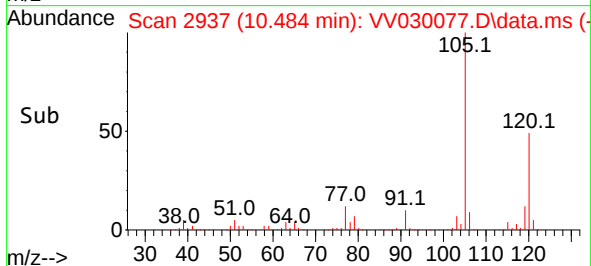
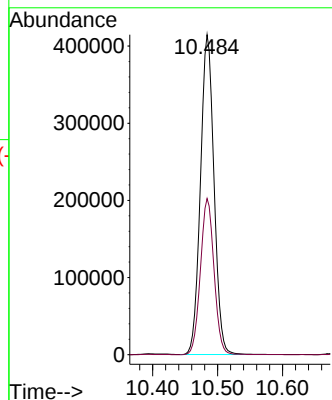
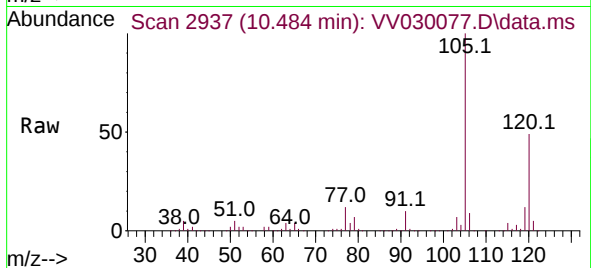
VSTD050285

Tgt Ion:105 Resp: 603727

Ion Ratio Lower Upper

105 100

120 48.9 39.0 58.4



#63

1,2,4-Trimethylbenzene

Concen: 53.082 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030077.D

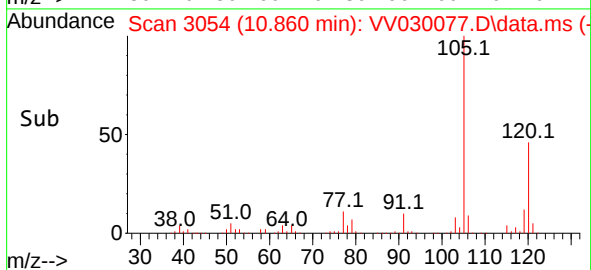
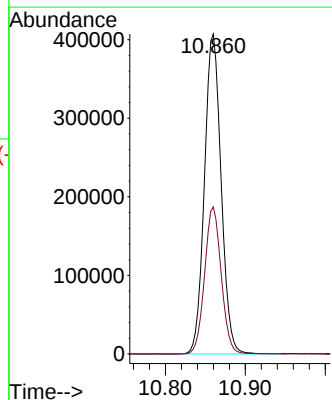
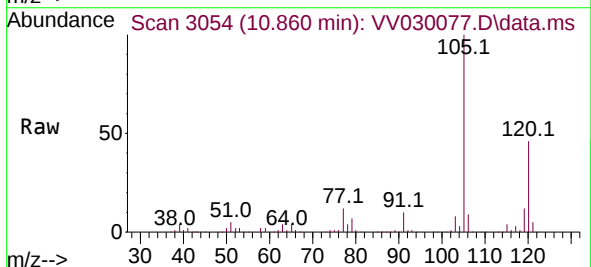
Acq: 22 Feb 2023 12:01

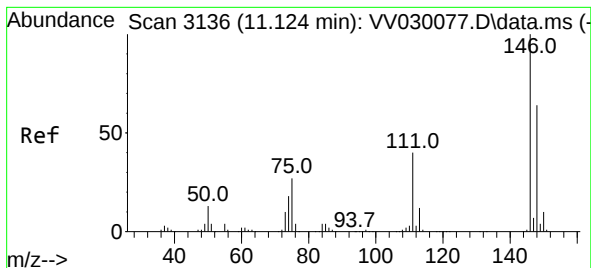
Tgt Ion:105 Resp: 592503

Ion Ratio Lower Upper

105 100

120 45.7 36.3 54.5





#64

1,3-Dichlorobenzene

Concen: 52.764 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. -0.003 min

Lab File: VV030077.D

Acq: 22 Feb 2023 12:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD050285

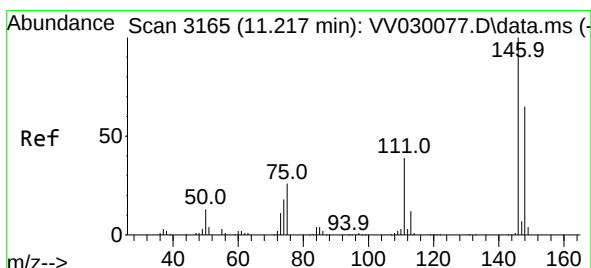
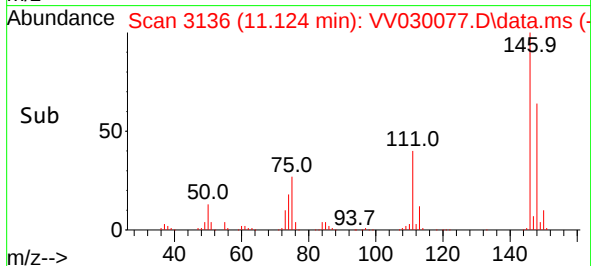
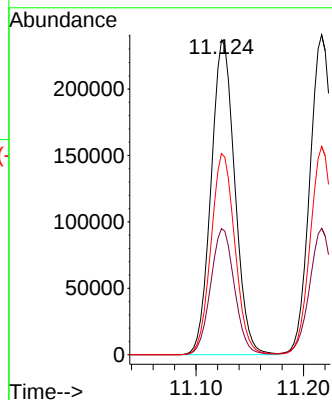
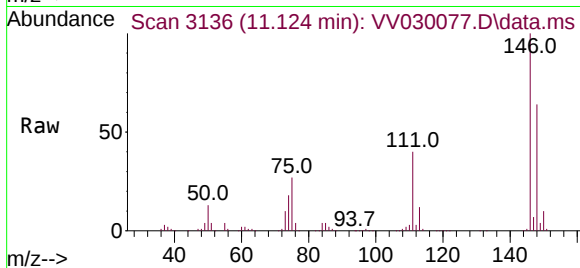
Tgt Ion:146 Resp: 364610

Ion Ratio Lower Upper

146 100

111 40.1 28.2 52.4

148 63.9 45.3 84.1



#65

1,4-Dichlorobenzene

Concen: 52.020 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VV030077.D

Acq: 22 Feb 2023 12:01

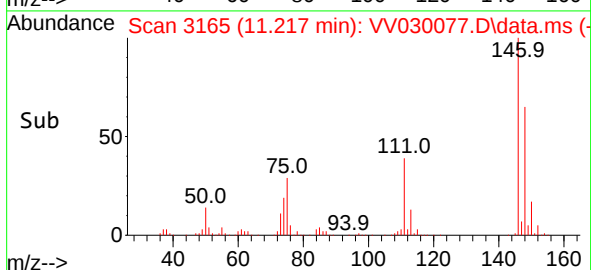
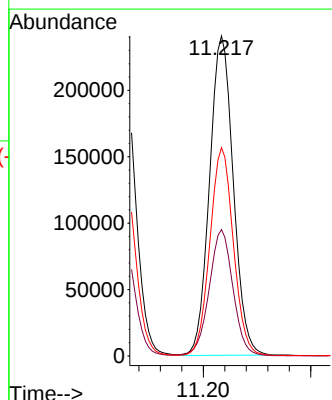
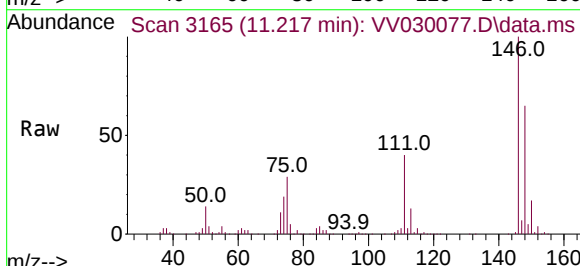
Tgt Ion:146 Resp: 367811

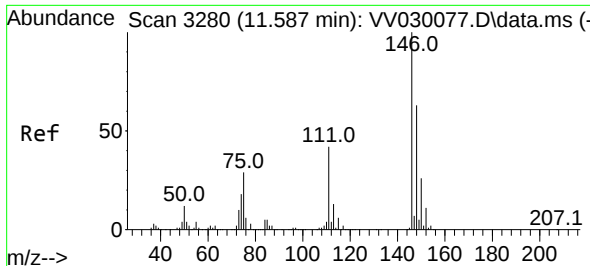
Ion Ratio Lower Upper

146 100

111 39.5 27.1 50.3

148 65.1 44.9 83.5

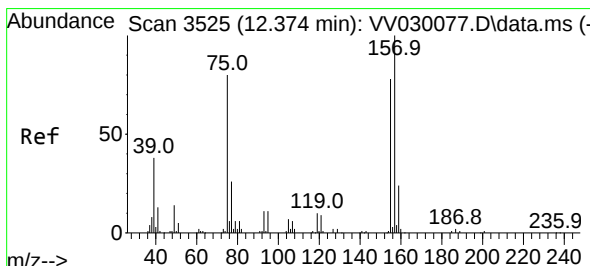
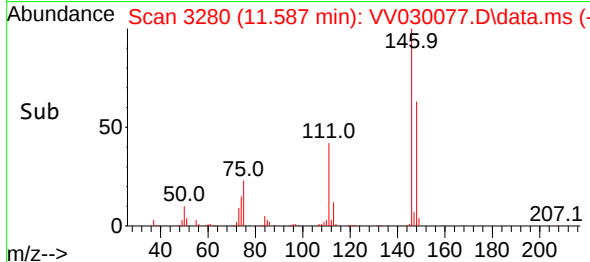
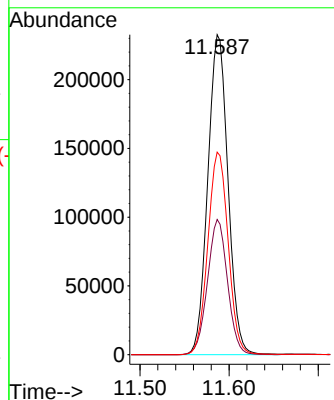
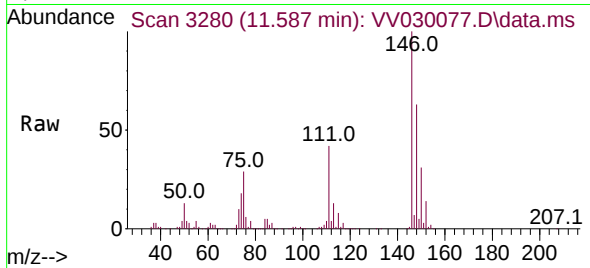




#67
1,2-Dichlorobenzene
Concen: 53.119 ug/L
RT: 11.587 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

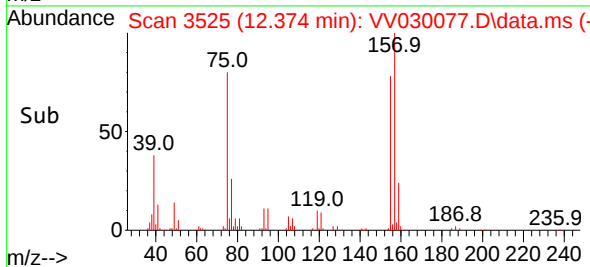
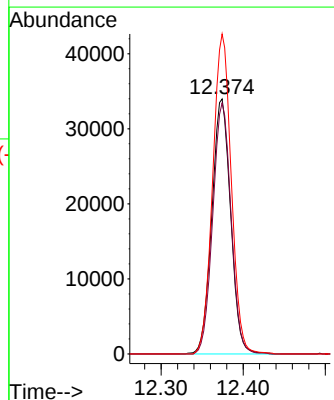
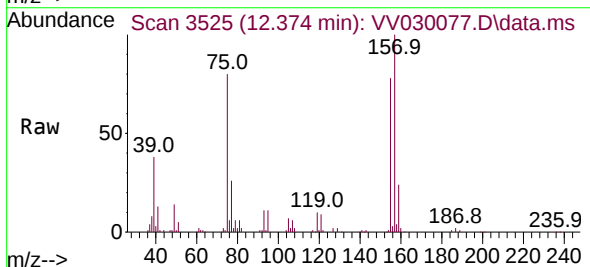
Instrument :
MSVOA_V
ClientSampleId :
VSTD050285

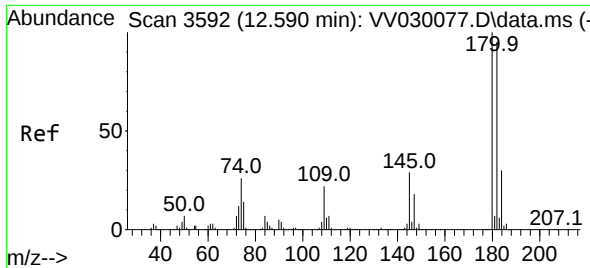
Tgt Ion:146 Resp: 365460
Ion Ratio Lower Upper
146 100
111 42.2 33.0 49.4
148 63.3 50.7 76.1



#68
1,2-Dibromo-3-chloropropane
Concen: 48.641 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. 0.000 min
Lab File: VV030077.D
Acq: 22 Feb 2023 12:01

Tgt Ion: 75 Resp: 54140
Ion Ratio Lower Upper
75 100
155 98.4 76.2 114.2
157 125.5 96.0 144.0

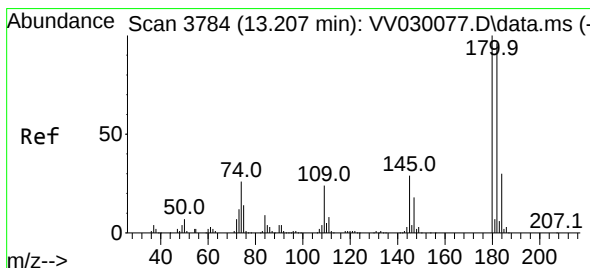
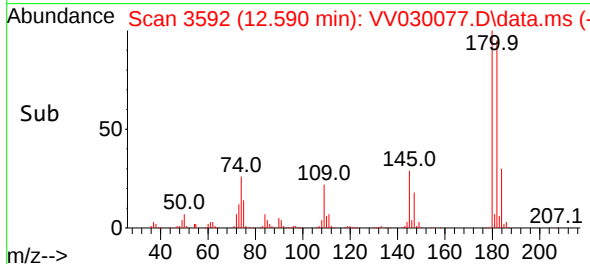
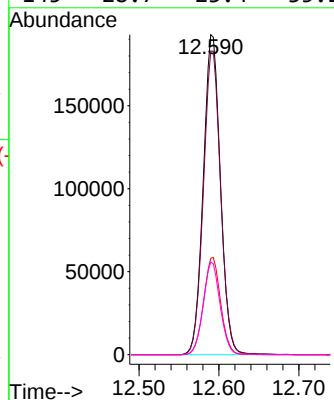
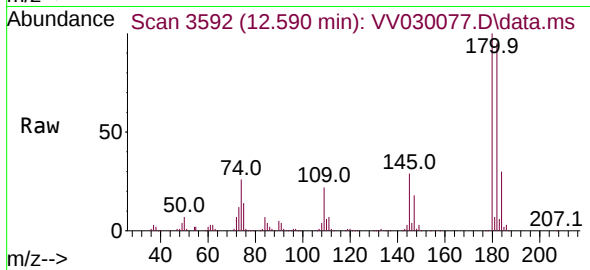




#69
 1,3,5-Trichlorobenzene
 Concen: 52.147 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. -0.003 min
 Lab File: VV030077.D
 Acq: 22 Feb 2023 12:01

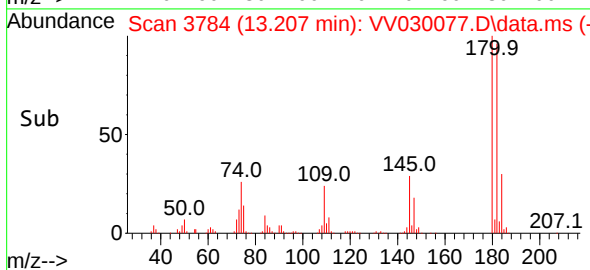
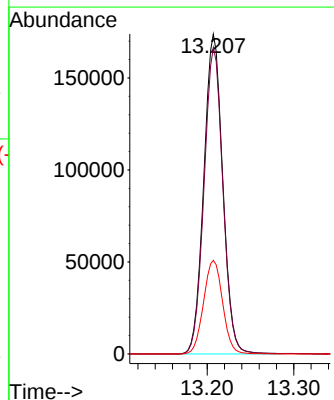
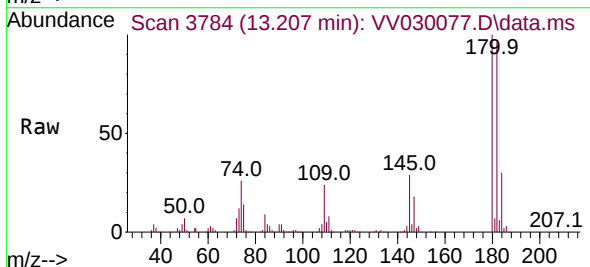
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050285

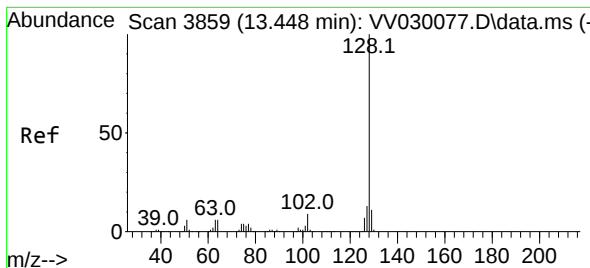
Tgt Ion:180 Resp: 287554
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.4 114.6
 184 30.2 24.5 36.7
 145 28.7 23.4 35.2



#70
 1,2,4-trichlorobenzene
 Concen: 50.978 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. 0.000 min
 Lab File: VV030077.D
 Acq: 22 Feb 2023 12:01

Tgt Ion:180 Resp: 264211
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.6 114.8
 145 29.4 24.3 36.5





#71

Naphthalene

Concen: 49.843 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.000 min

Lab File: VV030077.D

Acq: 22 Feb 2023 12:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD050285

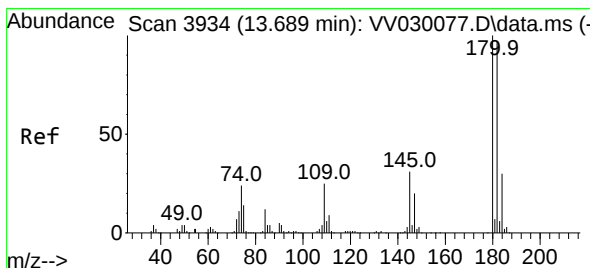
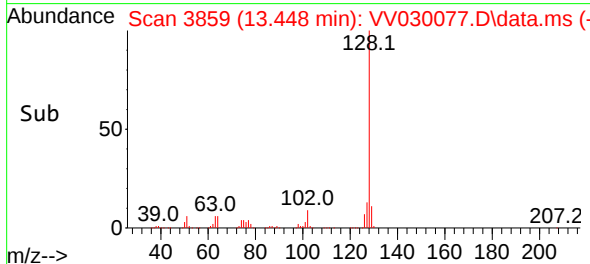
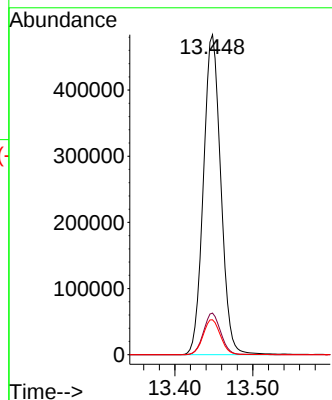
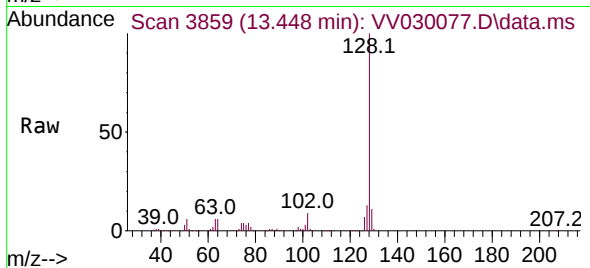
Tgt Ion:128 Resp: 749310

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 10.9 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 50.550 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.000 min

Lab File: VV030077.D

Acq: 22 Feb 2023 12:01

Tgt Ion:180 Resp: 257126

Ion Ratio Lower Upper

180 100

182 96.4 75.8 113.8

145 31.7 25.0 37.6

