

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042123\
 Data File : VW030754.D
 Acq On : 21 Apr 2023 10:50
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050299

Quant Time: Apr 22 00:40:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 21 01:37:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	253454	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	241518	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	144139	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	72298	38.911	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.820%
7) Chloroethane-d5	1.539	69	61594	39.559	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.120%
11) 1,1-Dichloroethene-d2	2.063	65	36099	40.969	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.940%
21) 2-Butanone-d5	3.802	46	91246	89.410	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.410%
24) Chloroform-d	4.259	84	144804	43.005	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.000%
26) 1,2-Dichloroethane-d4	4.950	65	96009	44.350	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.700%
32) Benzene-d6	4.970	84	255561	44.755	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.520%
36) 1,2-Dichloropropane-d6	5.998	67	75266	42.434	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.860%
41) Toluene-d8	7.249	98	248584	46.366	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.740%
43) trans-1,3-Dichloroprop...	7.558	79	41071	45.941	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.880%
47) 2-Hexanone-d5	8.034	63	63270	90.549	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.550%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	113426	44.070	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.140%
66) 1,2-Dichlorobenzene-d4	11.567	152	103464	45.160	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	94196	43.227	ug/L	99
3) Chloromethane	1.217	50	110418	38.628	ug/L	100
5) Vinyl chloride	1.288	62	96840	42.020	ug/L	98
6) Bromomethane	1.494	94	41329	45.226	ug/L	98
8) Chloroethane	1.555	64	64056	40.524	ug/L	99
9) Trichlorofluoromethane	1.719	101	172986	46.313	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	87743	44.699	ug/L	96
12) 1,1-Dichloroethene	2.076	96	79322	44.695	ug/L	93
13) Acetone	2.130	43	150153	95.084	ug/L	99
14) Carbon disulfide	2.246	76	199920	39.883	ug/L	98
15) Methyl Acetate	2.381	43	92635	43.957	ug/L	100
16) Methylene chloride	2.455	84	84156	41.438	ug/L	97
17) trans-1,2-Dichloroethene	2.700	96	76742	42.834	ug/L	96
18) Methyl tert-butyl Ether	2.712	73	268185	46.733	ug/L	98
19) 1,1-Dichloroethane	3.121	63	156356	42.804	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	86601	44.435	ug/L	99
22) 2-Butanone	3.883	43	141243	86.549	ug/L	100
23) Bromochloromethane	4.159	128	47306	43.460	ug/L	96
25) Chloroform	4.285	83	166222	43.965	ug/L	100

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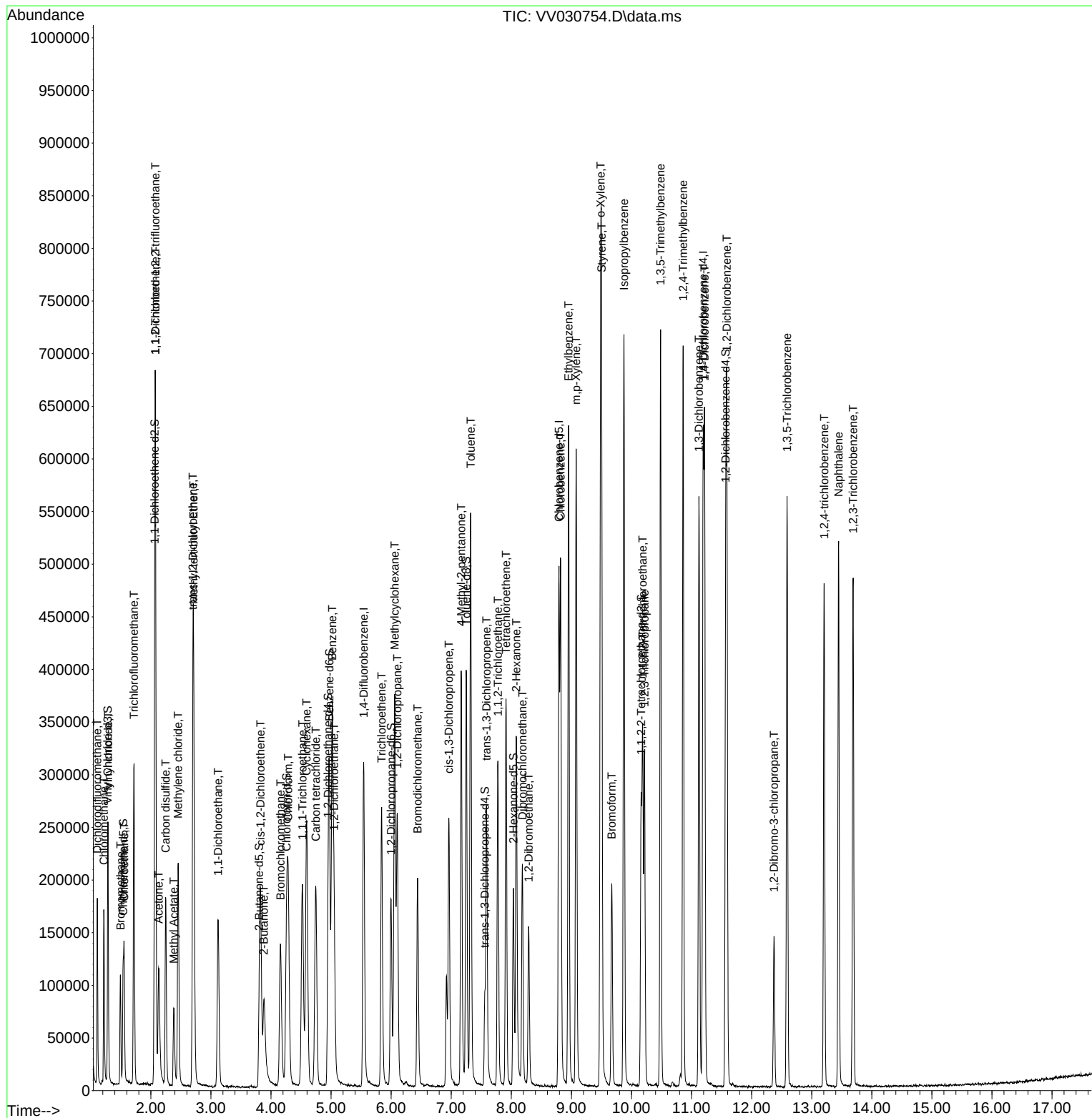
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	148499	46.399	ug/L	99
29) Cyclohexane	4.593	56	130750	45.112	ug/L	99
30) 1,1,1-Trichloroethane	4.523	97	156362	46.074	ug/L	100
31) Carbon tetrachloride	4.745	117	142222	46.873	ug/L	99
33) Benzene	5.018	78	339763	46.326	ug/L	100
34) Trichloroethene	5.841	95	87098	45.656	ug/L	98
35) Methylcyclohexane	6.060	83	141161	47.224	ug/L	98
37) 1,2-Dichloropropane	6.101	63	85029	43.074	ug/L	99
38) Bromodichloromethane	6.439	83	125685	45.324	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	139110	46.953	ug/L	100
40) 4-Methyl-2-pentanone	7.166	43	263039	95.391	ug/L	99
42) Toluene	7.323	91	376796	47.965	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	139805	48.030	ug/L	99
45) 1,1,2-Trichloroethane	7.777	97	88338	44.628	ug/L	99
46) Tetrachloroethene	7.912	164	79251	47.461	ug/L	98
48) 2-Hexanone	8.082	43	215317	94.634	ug/L	99
49) Dibromochloromethane	8.185	129	100815	46.174	ug/L	99
50) 1,2-Dibromoethane	8.288	107	93605	45.639	ug/L	97
51) Chlorobenzene	8.822	112	241724	46.462	ug/L	99
52) Ethylbenzene	8.953	91	413010	47.491	ug/L	99
53) m,p-Xylene	9.079	106	159543	48.568	ug/L	98
54) o-Xylene	9.487	106	153638	47.809	ug/L	100
55) Styrene	9.503	104	278629	49.359	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	142622	43.885	ug/L	99
59) Bromoform	9.670	173	81740	45.295	ug/L	98
60) Isopropylbenzene	9.876	105	427052	47.507	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	112471	43.566	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	352804	47.668	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	350082	47.373	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	213057	47.340	ug/L	100
65) 1,4-Dichlorobenzene	11.217	146	222711	46.928	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	220196	48.498	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.371	75	33375	43.636	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	164253	48.313	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	141080	48.874	ug/L	99
71) Naphthalene	13.448	128	377973	47.867	ug/L	100
72) 1,2,3-Trichlorobenzene	13.690	180	142092	49.642	ug/L	99

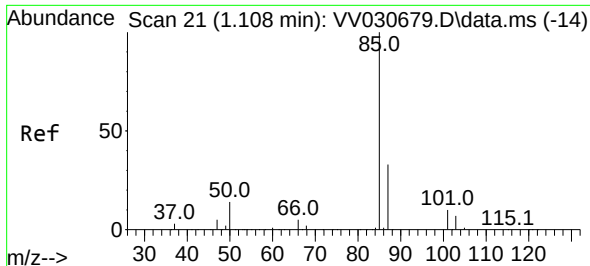
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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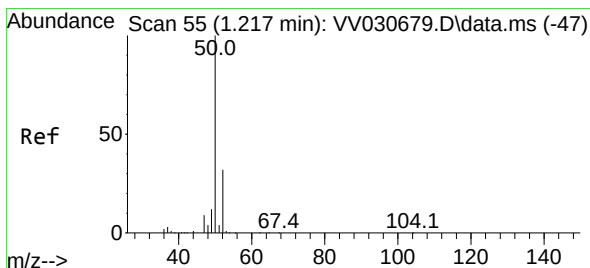
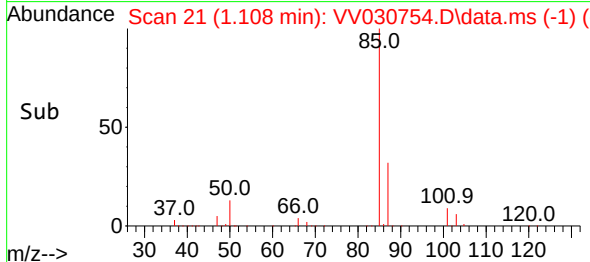
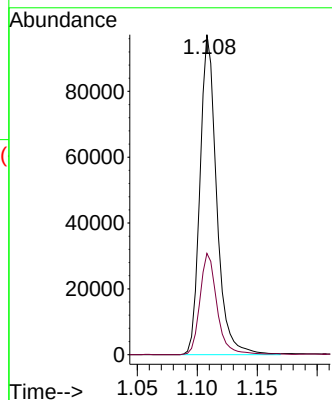
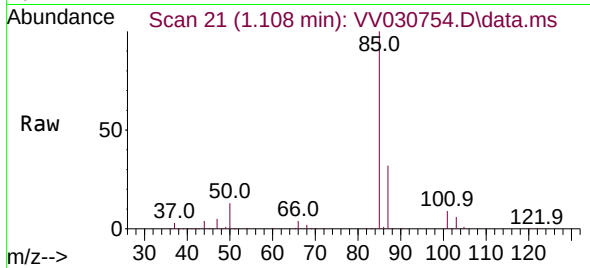




#2
 Dichlorodifluoromethane
 Concen: 43.227 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030754.D
 Acq: 21 Apr 2023 10:50

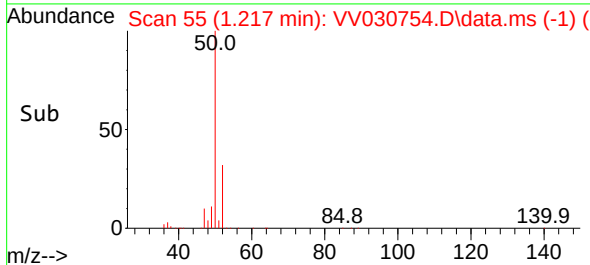
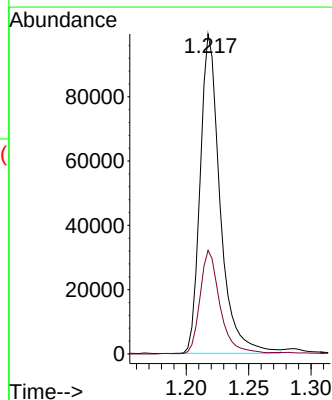
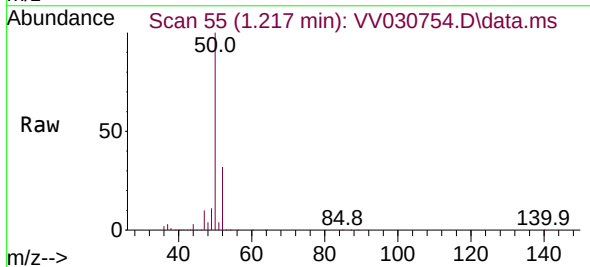
Instrument :
 MSVOA_V
 ClientSampleId :
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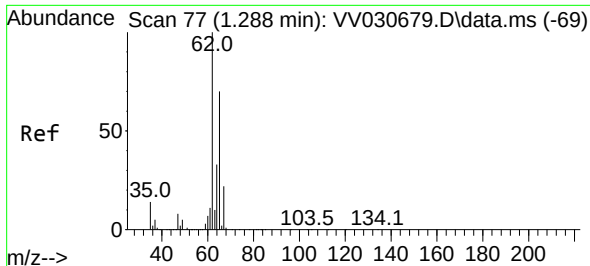
Tgt Ion: 85 Resp: 94196
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.6 38.4



#3
 Chloromethane
 Concen: 38.628 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030754.D
 Acq: 21 Apr 2023 10:50

Tgt Ion: 50 Resp: 110418
 Ion Ratio Lower Upper
 50 100
 52 32.4 22.5 41.9

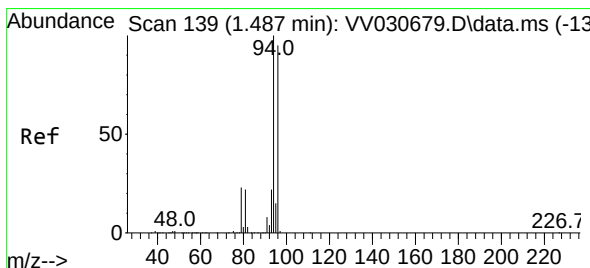
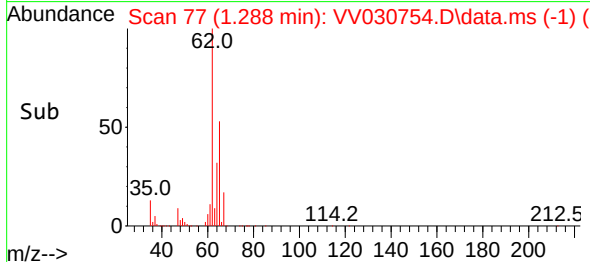
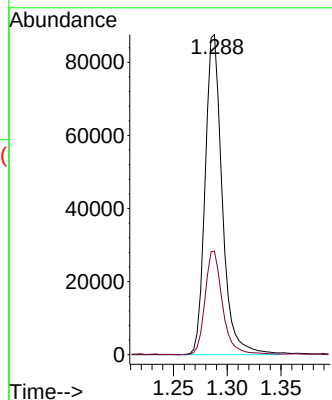
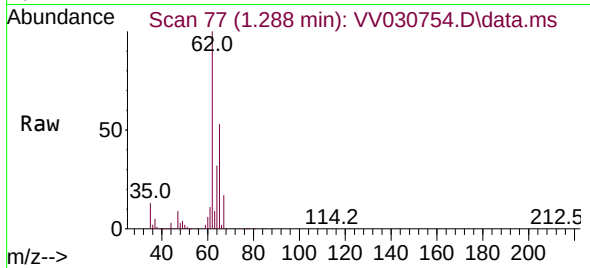




#5
 Vinyl chloride
 Concen: 42.020 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV030754.D
 Acq: 21 Apr 2023 10:50

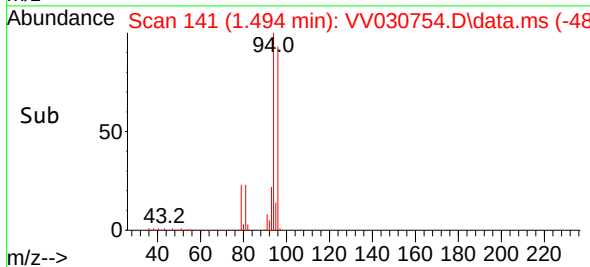
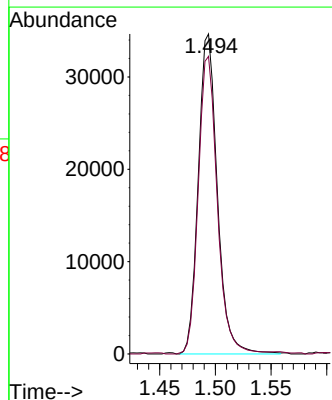
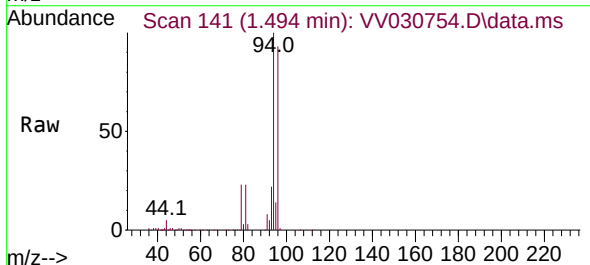
Instrument :
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 ClientSampleId :
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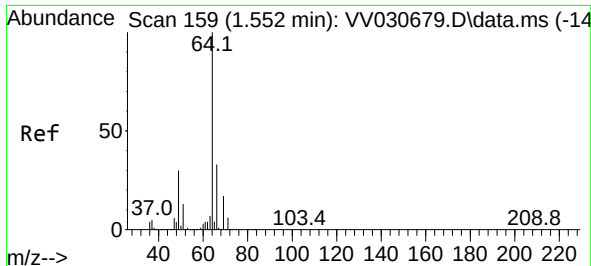
Tgt Ion: 62 Resp: 96840
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.4 43.4



#6
 Bromomethane
 Concen: 45.226 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.000 min
 Lab File: VV030754.D
 Acq: 21 Apr 2023 10:50

Tgt Ion: 94 Resp: 41329
 Ion Ratio Lower Upper
 94 100
 96 93.0 66.3 123.1

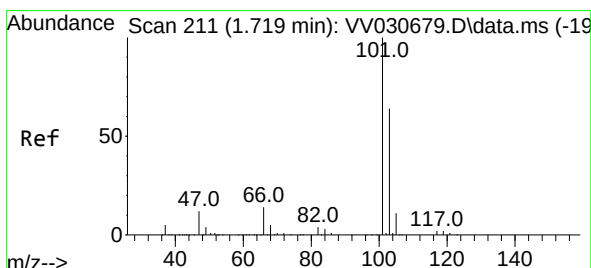
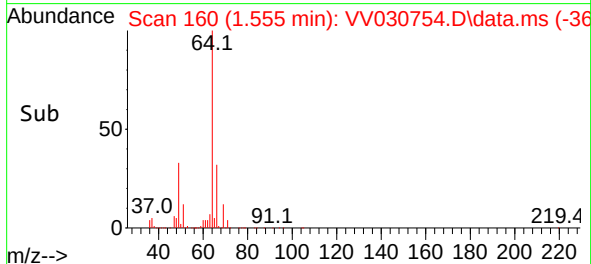
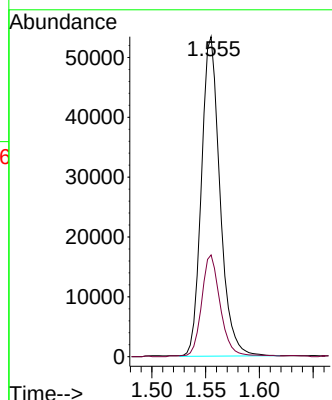
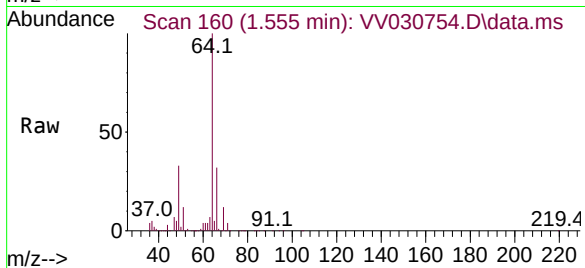




#8
Chloroethane
Concen: 40.524 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

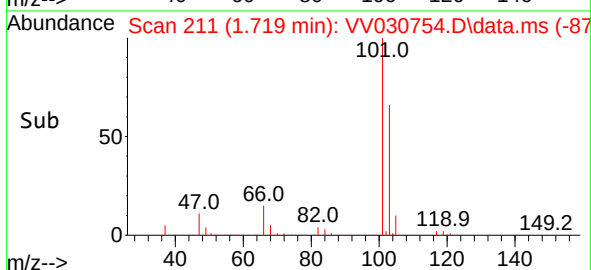
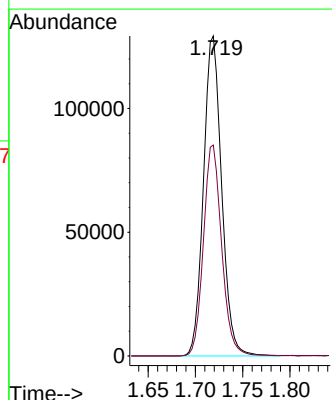
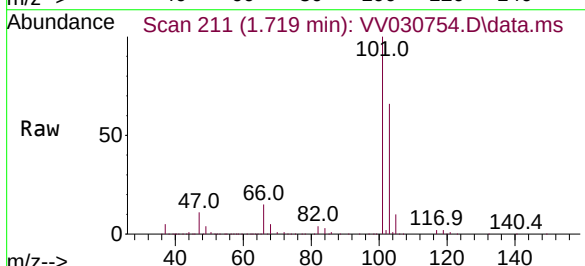
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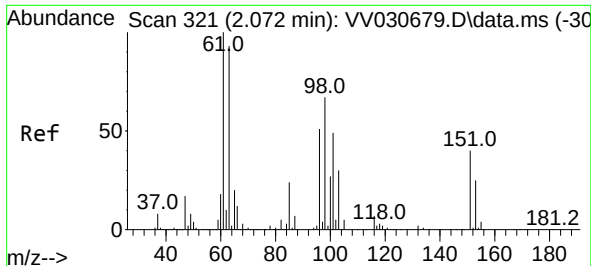
Tgt Ion: 64 Resp: 64056
Ion Ratio Lower Upper
64 100
66 31.8 22.7 42.3



#9
Trichlorofluoromethane
Concen: 46.313 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

Tgt Ion:101 Resp: 172986
Ion Ratio Lower Upper
101 100
103 66.0 51.4 77.0

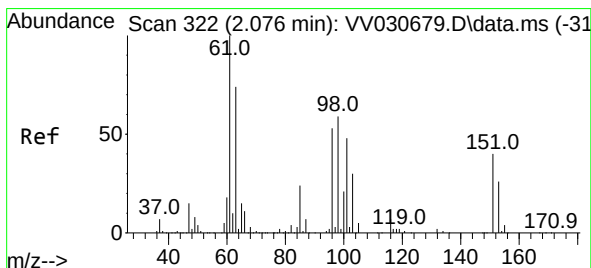
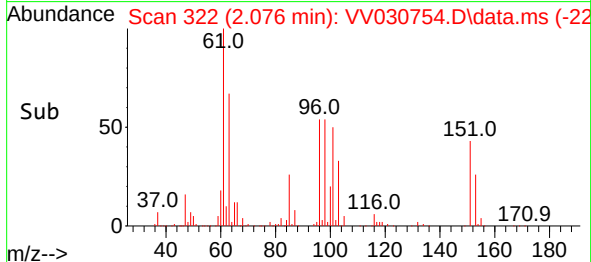
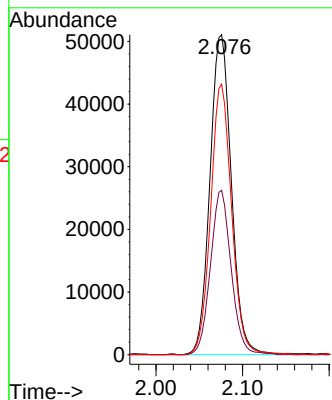
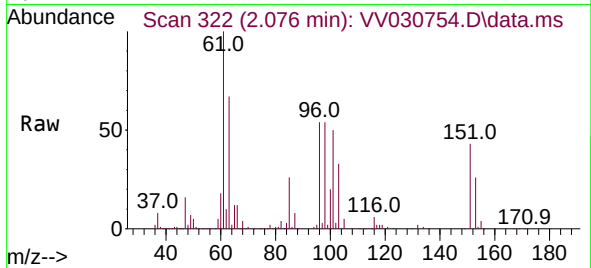




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 44.699 ug/L
 RT: 2.076 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VV030754.D
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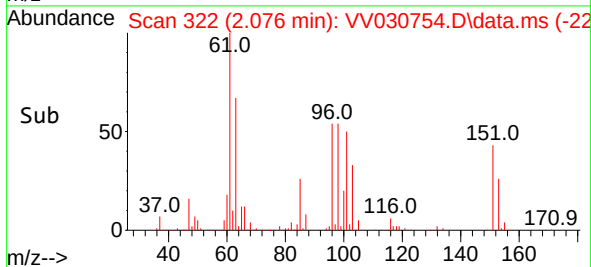
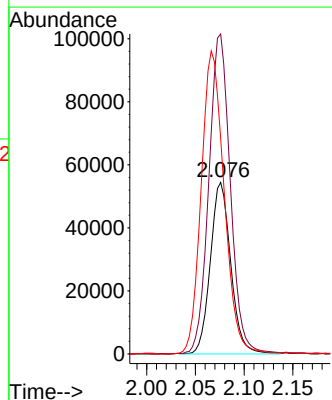
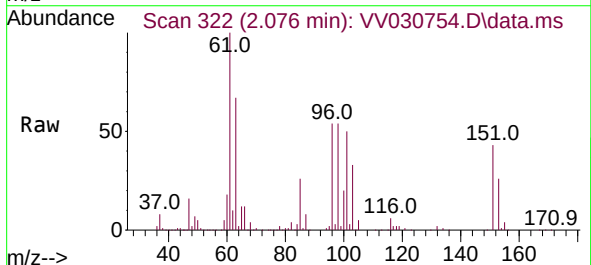
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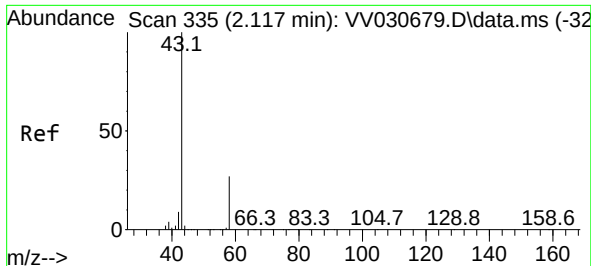
Tgt Ion:101 Resp: 87743
 Ion Ratio Lower Upper
 101 100
 85 49.5 37.5 56.3
 151 82.7 63.5 95.3



#12
 1,1-Dichloroethene
 Concen: 44.695 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.000 min
 Lab File: VV030754.D
 Acq: 21 Apr 2023 10:50

Tgt Ion: 96 Resp: 79322
 Ion Ratio Lower Upper
 96 100
 61 186.5 131.9 245.0
 63 125.7 99.8 185.3





#13

Acetone

Concen: 95.084 ug/L

RT: 2.130 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030754.D

Acq: 21 Apr 2023 10:50

Instrument :

MSVOA_V

ClientSampleId :

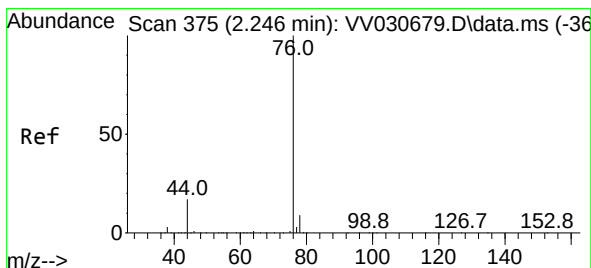
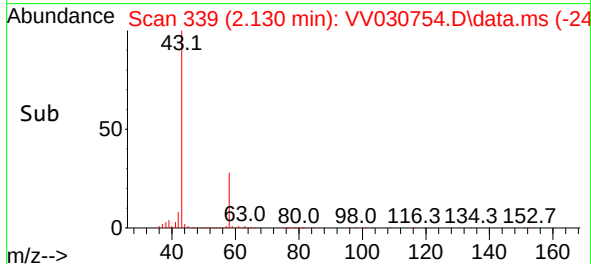
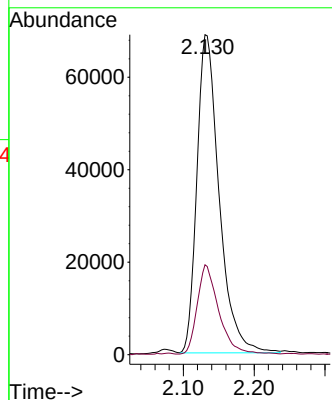
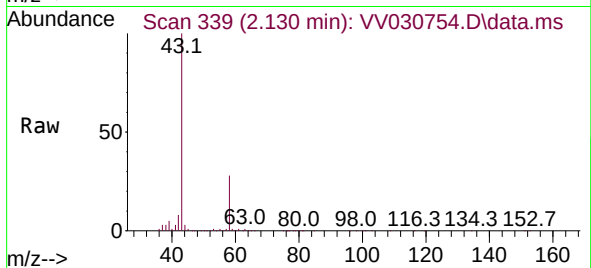
VSTD050299

Tgt Ion: 43 Resp: 150153

Ion Ratio Lower Upper

43 100

58 26.8 0.0 52.8



#14

Carbon disulfide

Concen: 39.883 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.003 min

Lab File: VV030754.D

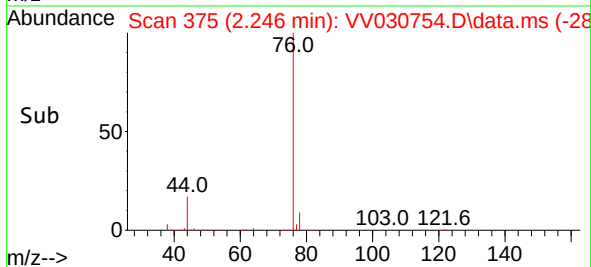
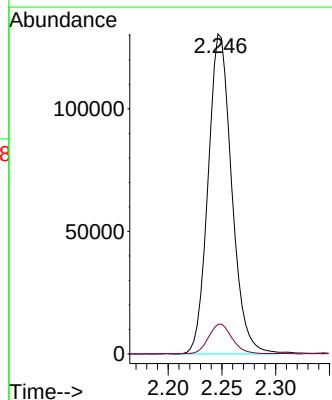
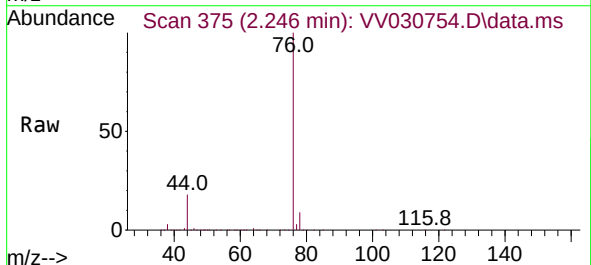
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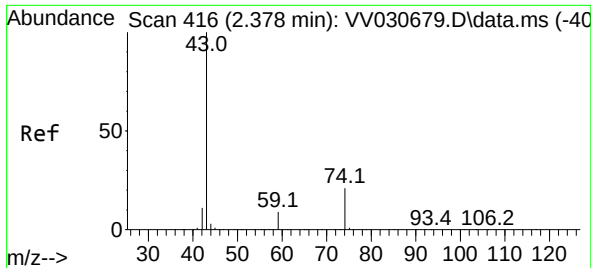
Tgt Ion: 76 Resp: 199920

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4

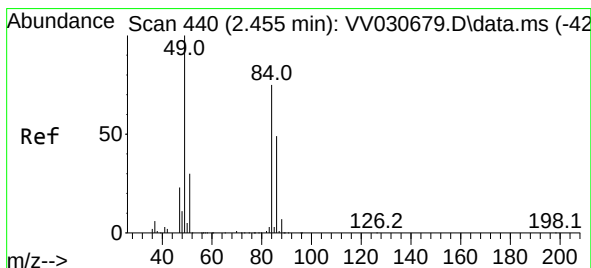
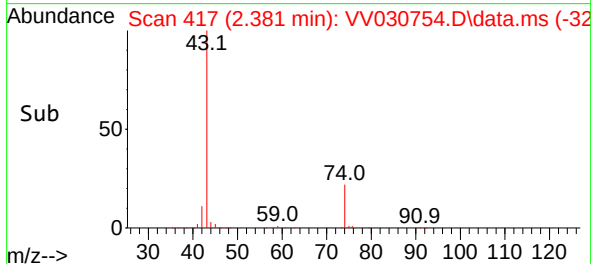
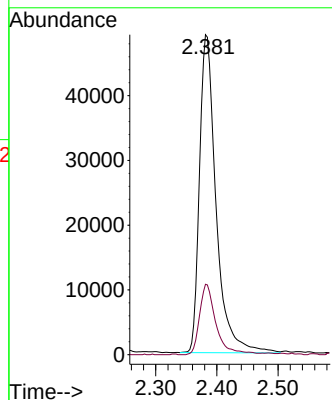
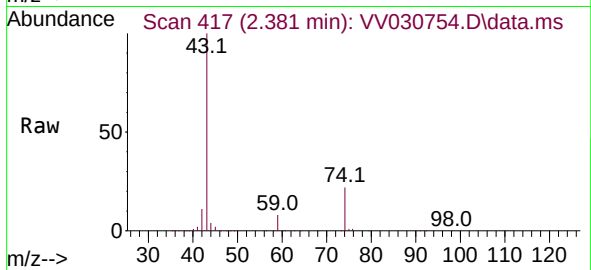




#15
Methyl Acetate
Concen: 43.957 ug/L
RT: 2.381 min Scan# 416
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

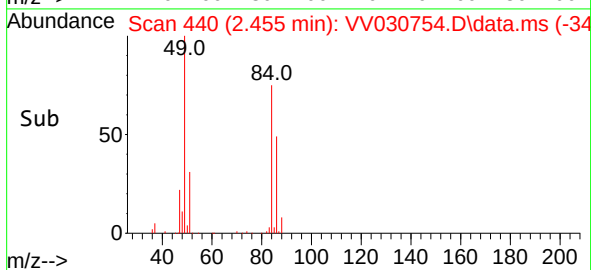
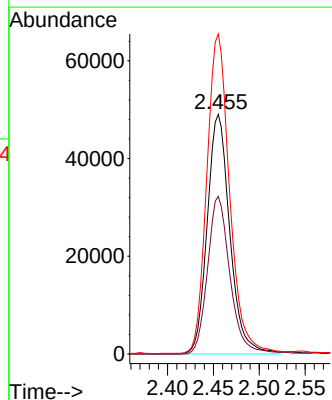
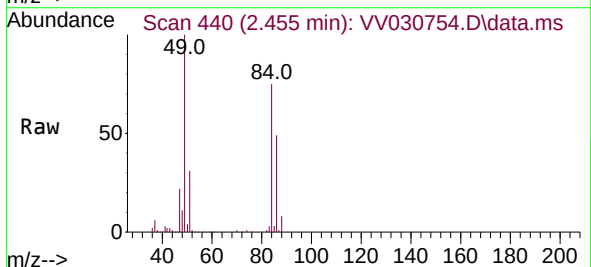
Instrument :
MSVOA_V
ClientSampleId :
VSTD050299

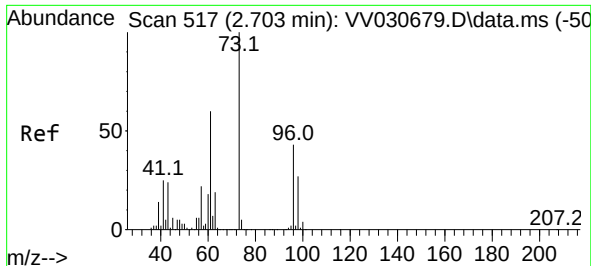
Tgt Ion: 43 Resp: 92635
Ion Ratio Lower Upper
43 100
74 21.9 17.7 26.5



#16
Methylene chloride
Concen: 41.438 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

Tgt Ion: 84 Resp: 84156
Ion Ratio Lower Upper
84 100
86 65.8 45.4 84.2
49 133.6 90.4 168.0

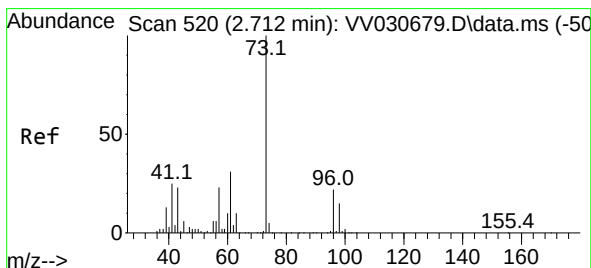
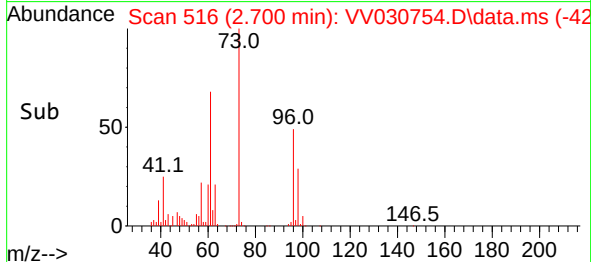
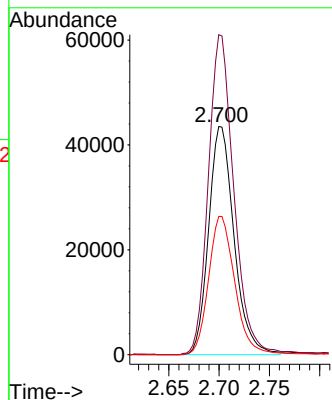
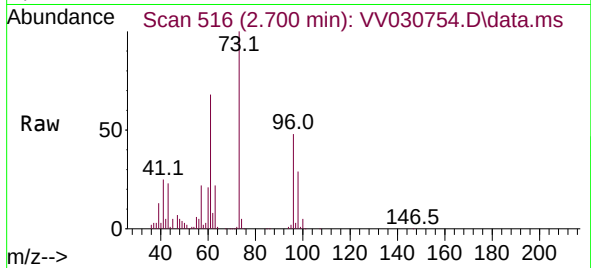




#17
trans-1,2-Dichloroethene
Concen: 42.834 ug/L
RT: 2.700 min Scan# 517
Delta R.T. -0.003 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

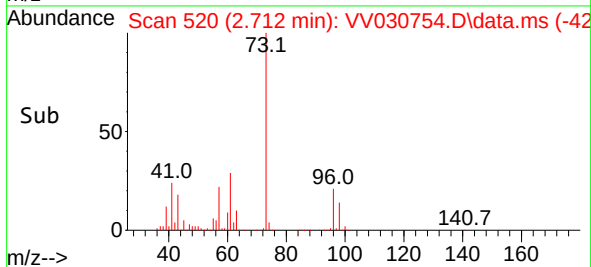
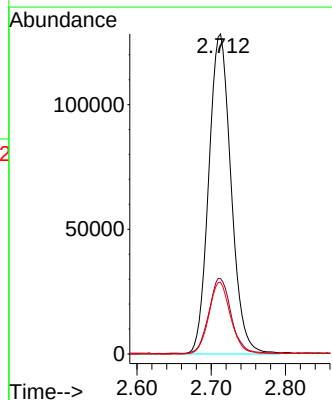
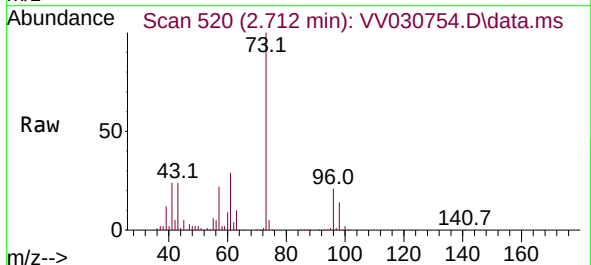
Instrument :
MSVOA_V
ClientSampleId :
VSTD050299

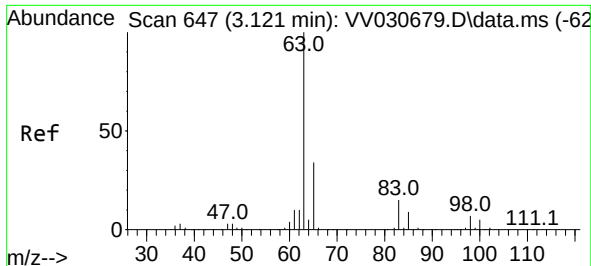
Tgt Ion: 96 Resp: 76742
Ion Ratio Lower Upper
96 100
61 140.3 101.0 187.6
98 60.6 45.4 84.2



#18
Methyl tert-butyl Ether
Concen: 46.733 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

Tgt Ion: 73 Resp: 268185
Ion Ratio Lower Upper
73 100
43 23.3 17.6 26.4
57 21.8 18.2 27.2

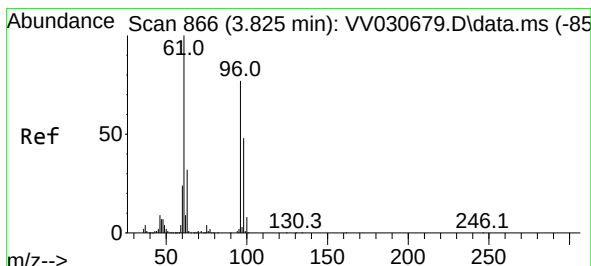
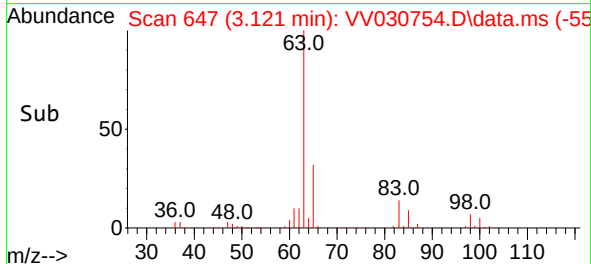
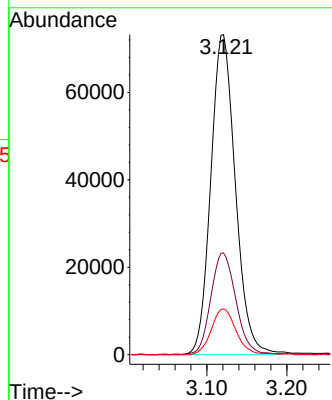
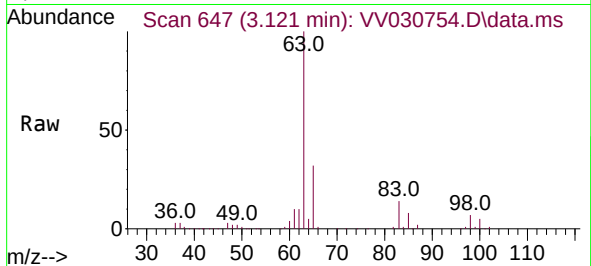




#19
 1,1-Dichloroethane
 Concen: 42.804 ug/L
 RT: 3.121 min Scan# 647
 Delta R.T. 0.000 min
 Lab File: VV030754.D
 Acq: 21 Apr 2023 10:50

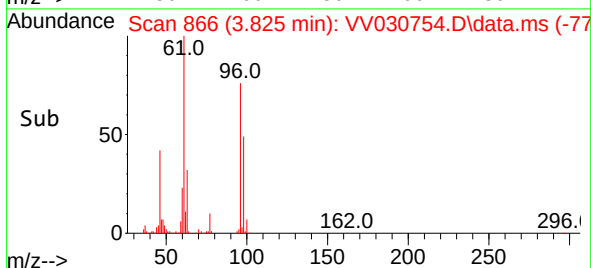
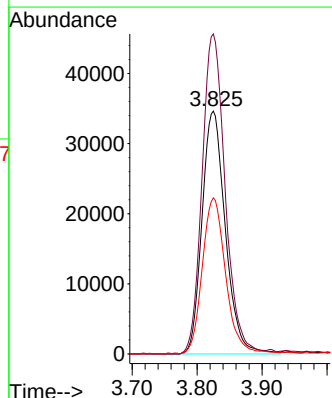
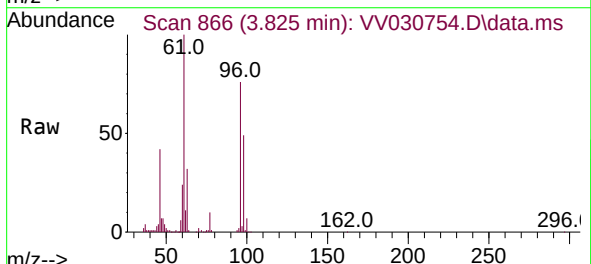
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050299

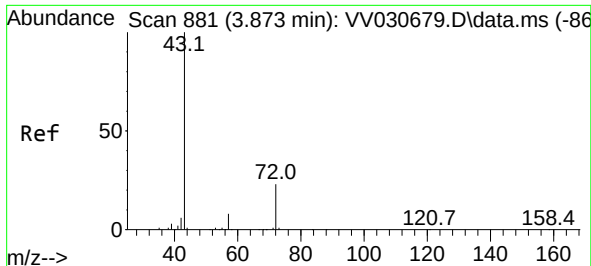
Tgt Ion: 63 Resp: 156356
 Ion Ratio Lower Upper
 63 100
 65 31.8 21.8 40.6
 83 14.3 10.2 19.0



#20
 cis-1,2-Dichloroethene
 Concen: 44.435 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. 0.000 min
 Lab File: VV030754.D
 Acq: 21 Apr 2023 10:50

Tgt Ion: 96 Resp: 86601
 Ion Ratio Lower Upper
 96 100
 61 131.8 92.3 171.3
 98 64.3 45.9 85.3

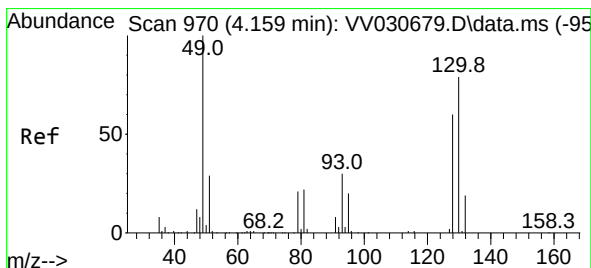
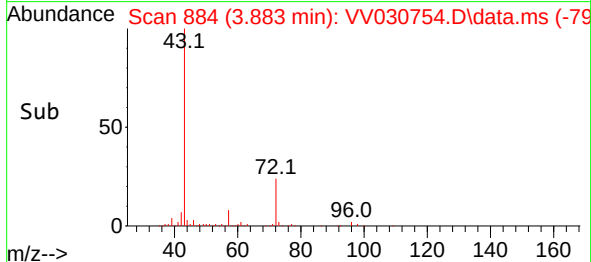
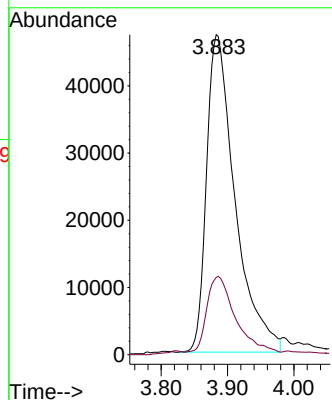
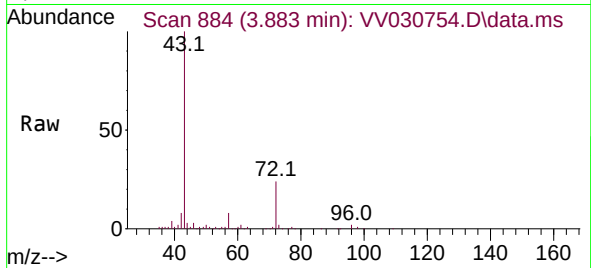




#22
2-Butanone
Concen: 86.549 ug/L
RT: 3.883 min Scan# 881
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

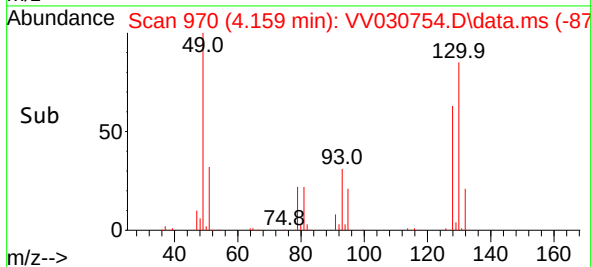
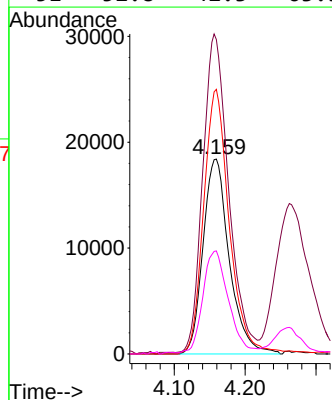
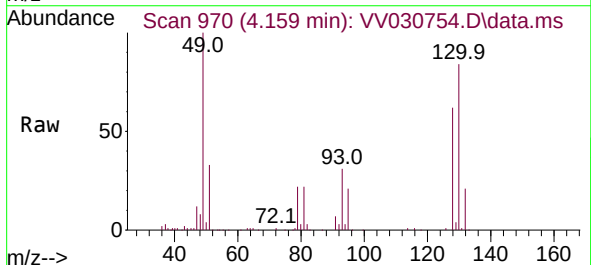
Instrument :
MSVOA_V
ClientSampleId :
VSTD050299

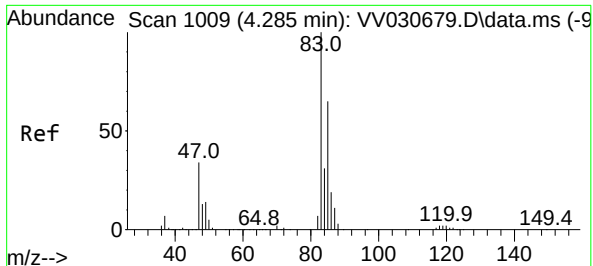
Tgt Ion: 43 Resp: 141243
Ion Ratio Lower Upper
43 100
72 22.7 11.5 34.4



#23
Bromochloromethane
Concen: 43.460 ug/L
RT: 4.159 min Scan# 970
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

Tgt Ion: 128 Resp: 47306
Ion Ratio Lower Upper
128 100
49 161.3 114.7 213.1
130 135.8 89.0 165.2
51 52.8 42.3 63.5





#25

Chloroform

Concen: 43.965 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. -0.003 min

Lab File: VV030754.D

Acq: 21 Apr 2023 10:50

Instrument :

MSVOA_V

ClientSampleId :

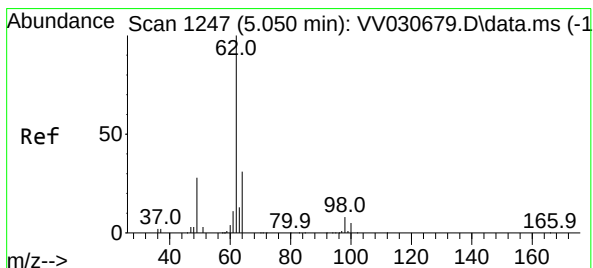
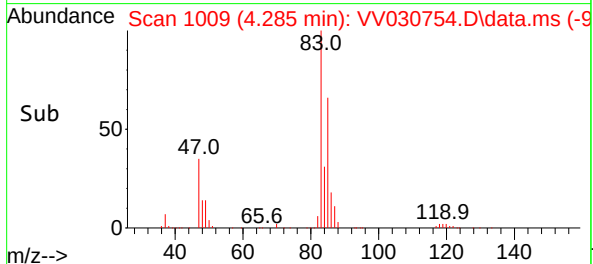
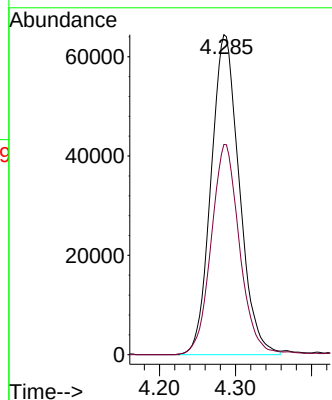
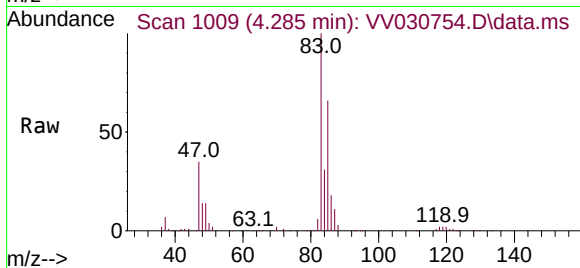
VSTD050299

Tgt Ion: 83 Resp: 166222

Ion Ratio Lower Upper

83 100

85 65.7 45.8 85.2



#27

1,2-Dichloroethane

Concen: 46.399 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.000 min

Lab File: VV030754.D

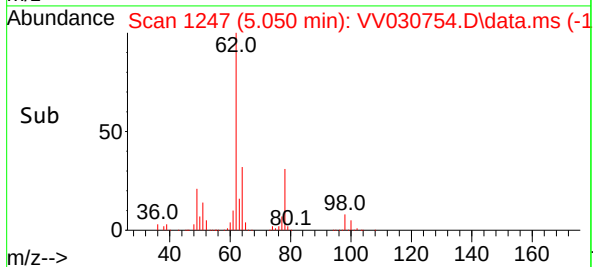
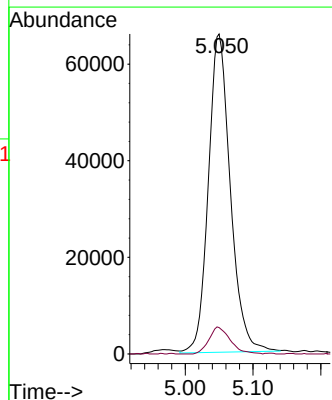
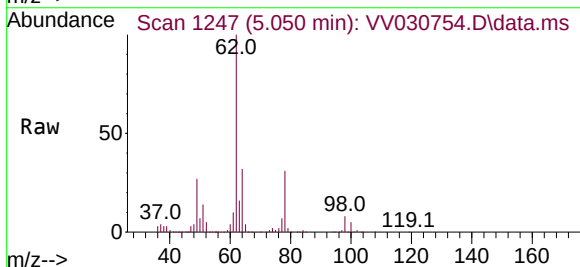
Acq: 21 Apr 2023 10:50

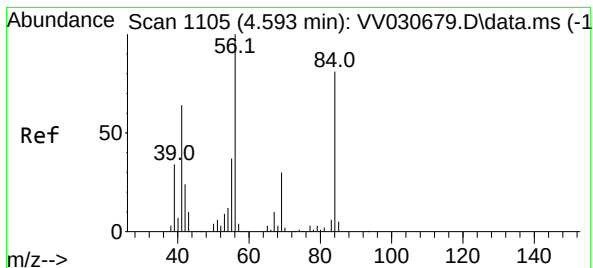
Tgt Ion: 62 Resp: 148499

Ion Ratio Lower Upper

62 100

98 8.2 6.4 9.6





#29

Cyclohexane

Concen: 45.112 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV030754.D

Acq: 21 Apr 2023 10:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD050299

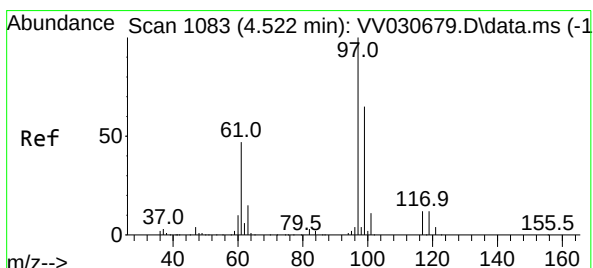
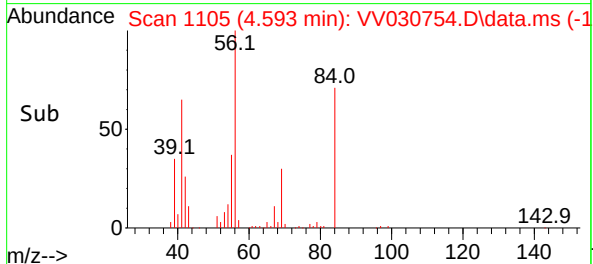
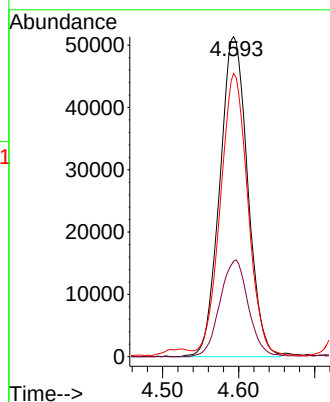
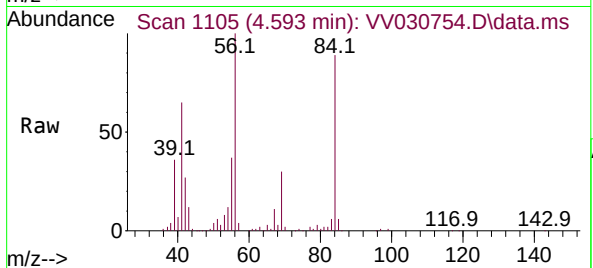
Tgt Ion: 56 Resp: 130750

Ion Ratio Lower Upper

56 100

69 30.7 24.0 36.0

84 86.3 68.2 102.2



#30

1,1,1-Trichloroethane

Concen: 46.074 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VV030754.D

Acq: 21 Apr 2023 10:50

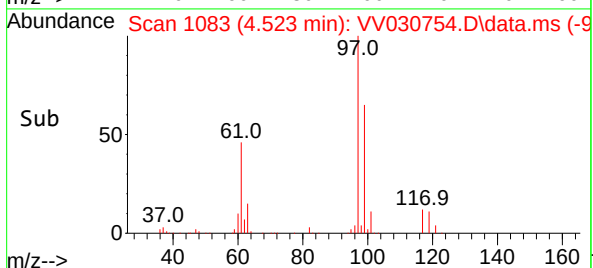
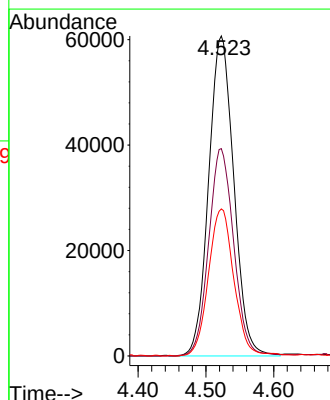
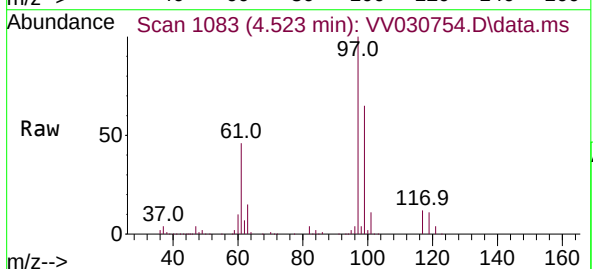
Tgt Ion: 97 Resp: 156362

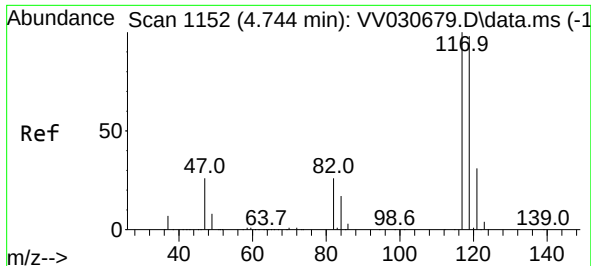
Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

61 46.1 37.0 55.6

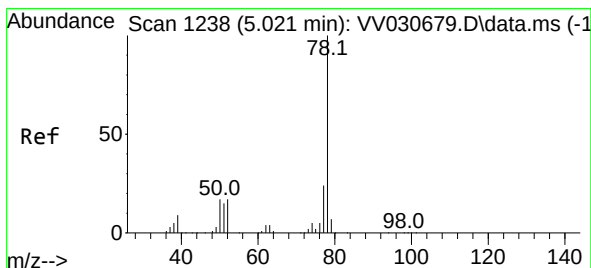
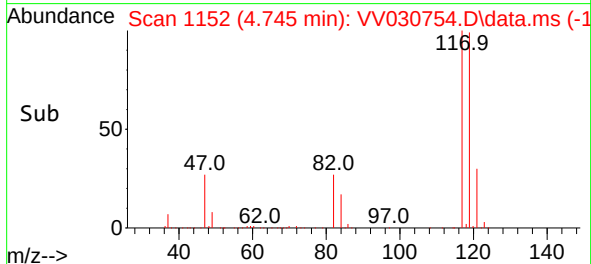
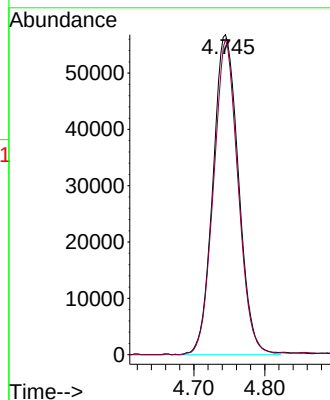
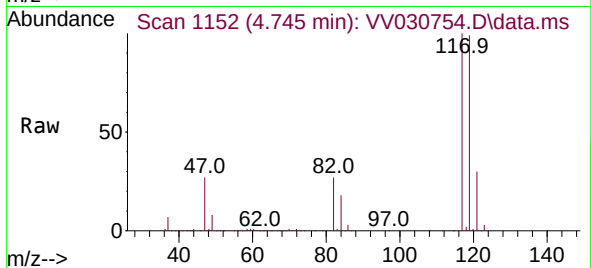




#31
Carbon tetrachloride
Concen: 46.873 ug/L
RT: 4.745 min Scan# 1152
Delta R.T. -0.003 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

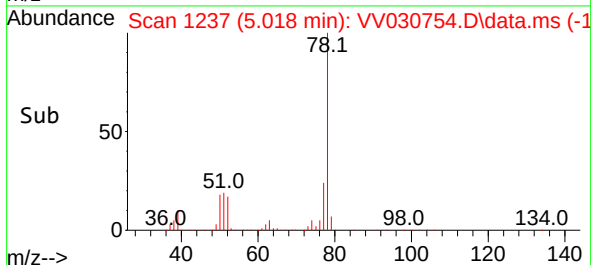
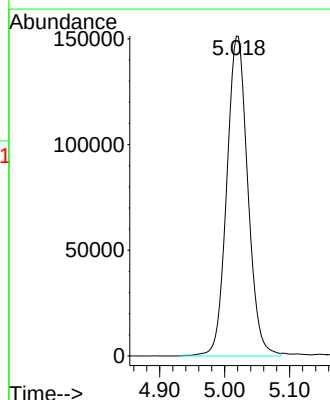
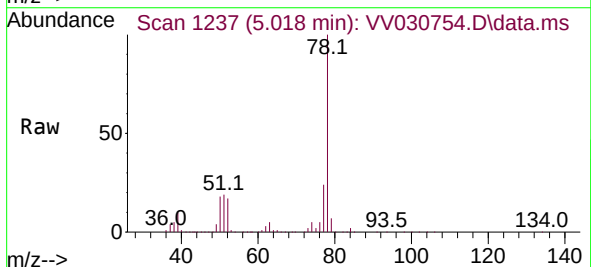
Instrument :
MSVOA_V
ClientSampleId :
VSTD050299

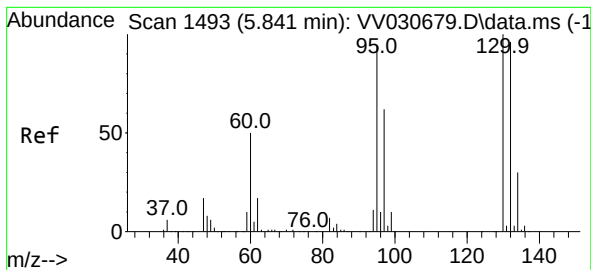
Tgt Ion:117 Resp: 142222
Ion Ratio Lower Upper
117 100
119 94.4 75.9 113.9



#33
Benzene
Concen: 46.326 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.003 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

Tgt Ion: 78 Resp: 339763





#34

Trichloroethene

Concen: 45.656 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VV030754.D

Acq: 21 Apr 2023 10:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD050299

Tgt Ion: 95 Resp: 87098

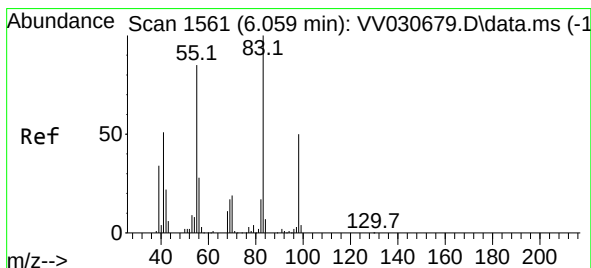
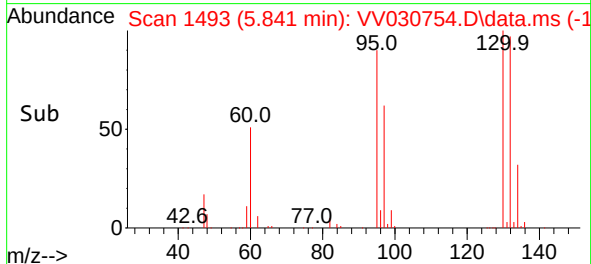
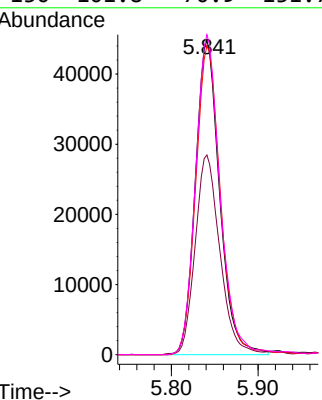
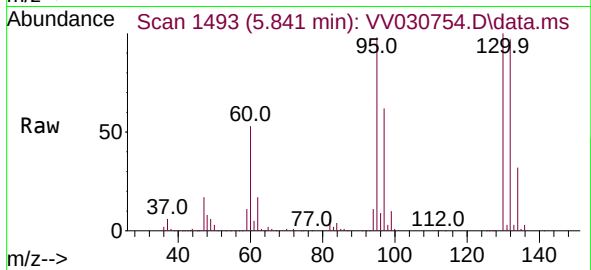
Ion Ratio Lower Upper

95 100

97 63.5 45.8 85.2

132 98.3 70.6 131.2

130 101.8 70.9 131.7



#35

Methylcyclohexane

Concen: 47.224 ug/L

RT: 6.060 min Scan# 1561

Delta R.T. 0.000 min

Lab File: VV030754.D

Acq: 21 Apr 2023 10:50

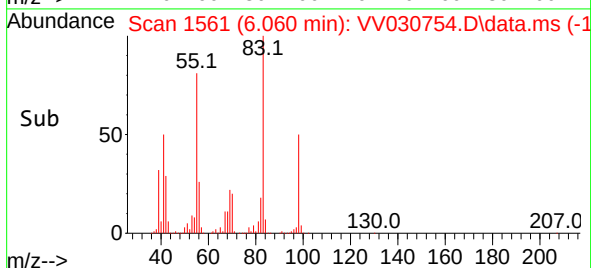
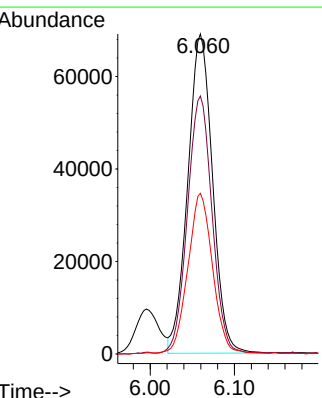
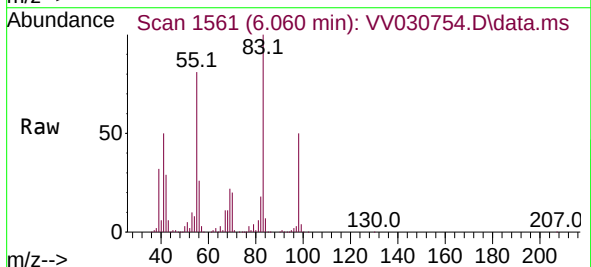
Tgt Ion: 83 Resp: 141161

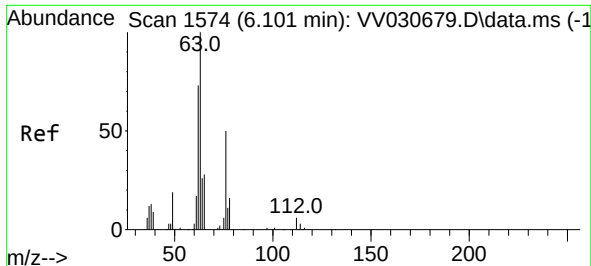
Ion Ratio Lower Upper

83 100

55 80.3 65.5 98.3

98 49.8 38.7 58.1





#37

1,2-Dichloropropane

Concen: 43.074 ug/L

RT: 6.101 min Scan# 1574

Delta R.T. 0.000 min

Lab File: VV030754.D

Acq: 21 Apr 2023 10:50

Instrument :

MSVOA_V

ClientSampleId :

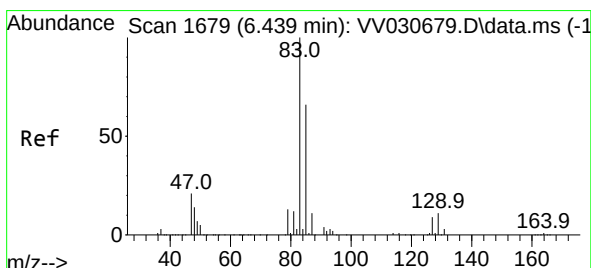
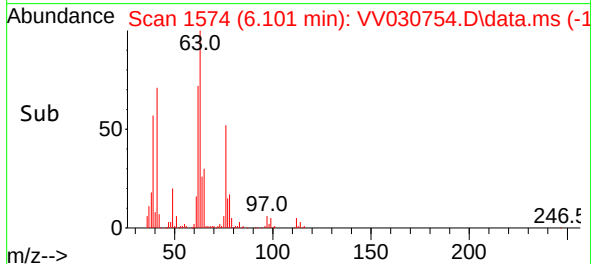
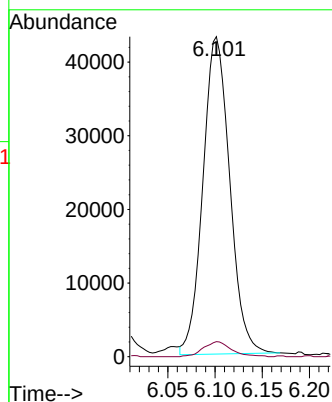
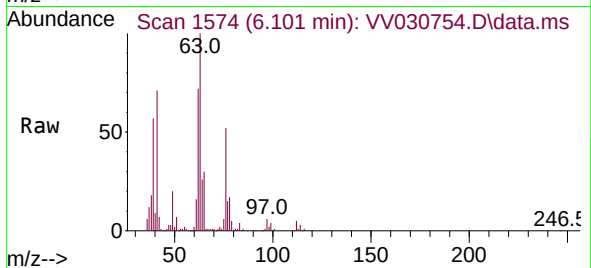
VSTD050299

Tgt Ion: 63 Resp: 85029

Ion Ratio Lower Upper

63 100

112 5.0 3.8 5.8



#38

Bromodichloromethane

Concen: 45.324 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.003 min

Lab File: VV030754.D

Acq: 21 Apr 2023 10:50

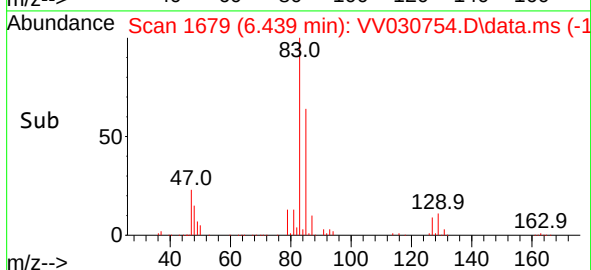
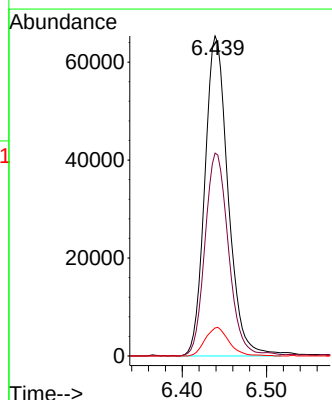
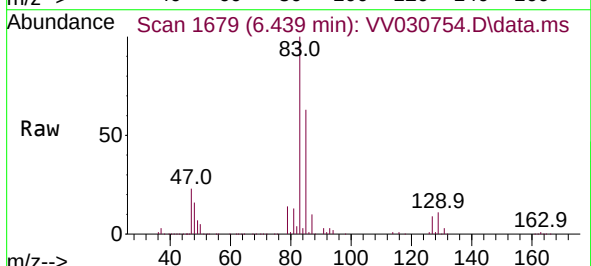
Tgt Ion: 83 Resp: 125685

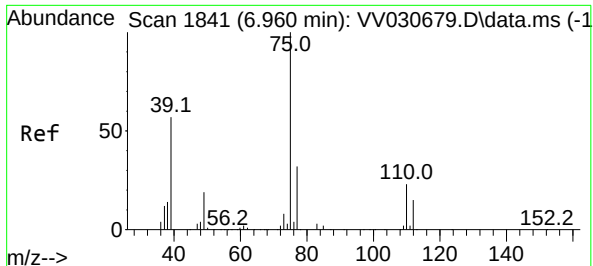
Ion Ratio Lower Upper

83 100

85 63.4 45.4 84.4

127 8.7 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 46.953 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV030754.D

Acq: 21 Apr 2023 10:50

Instrument :

MSVOA_V

ClientSampleId :

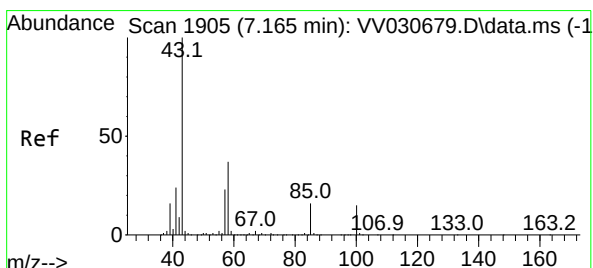
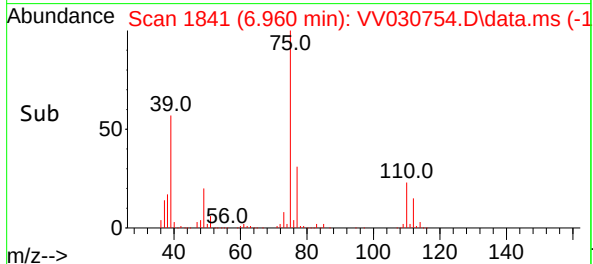
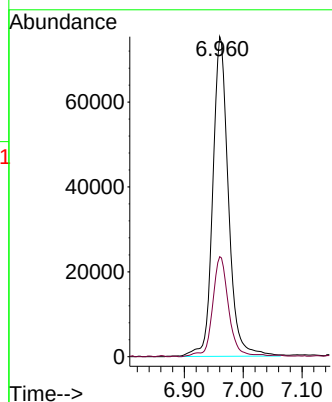
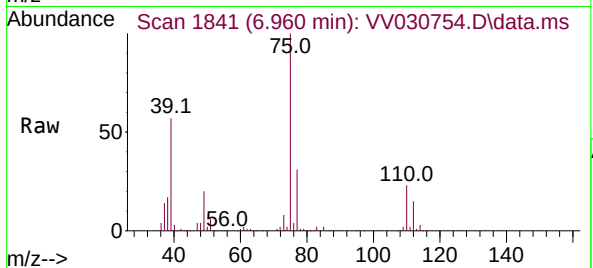
VSTD050299

Tgt Ion: 75 Resp: 139110

Ion Ratio Lower Upper

75 100

77 31.3 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 95.391 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VV030754.D

Acq: 21 Apr 2023 10:50

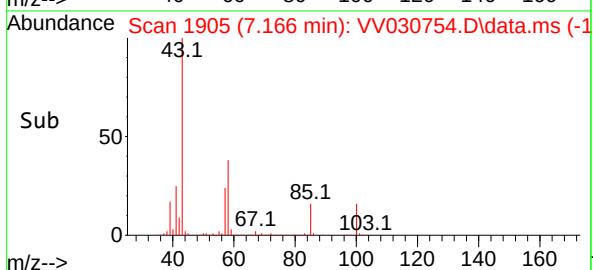
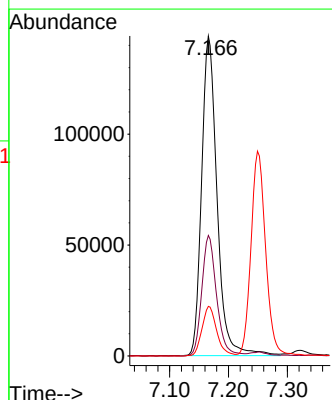
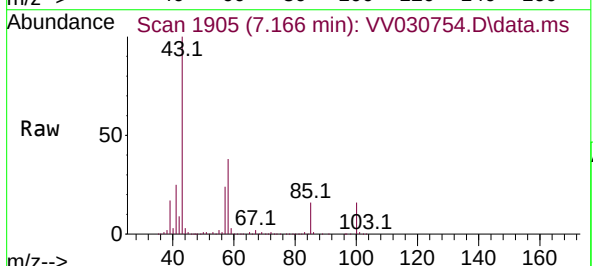
Tgt Ion: 43 Resp: 263039

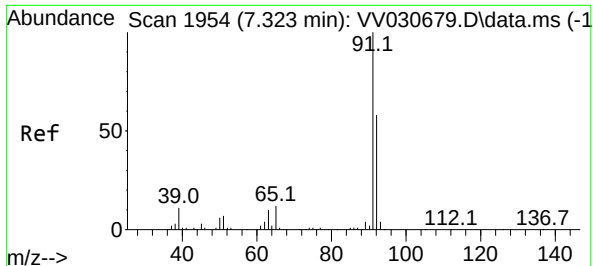
Ion Ratio Lower Upper

43 100

58 36.1 29.2 43.8

100 14.8 11.3 16.9

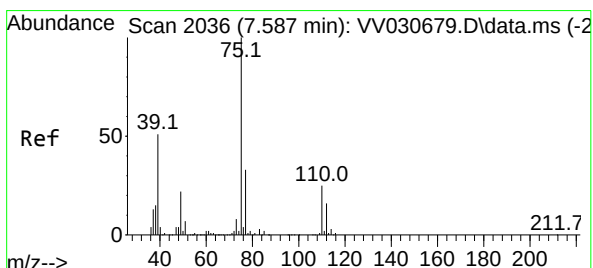
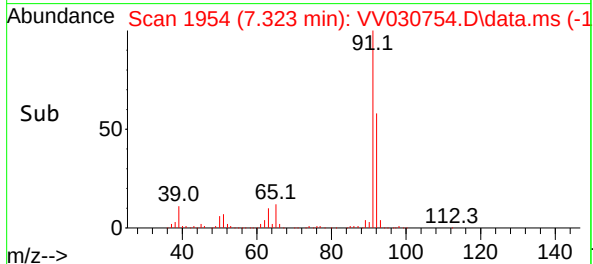
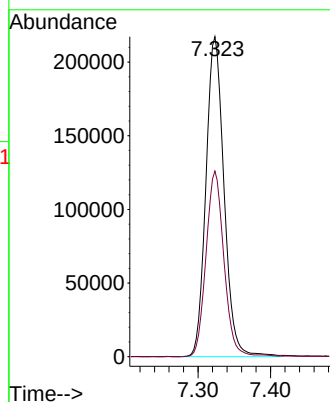
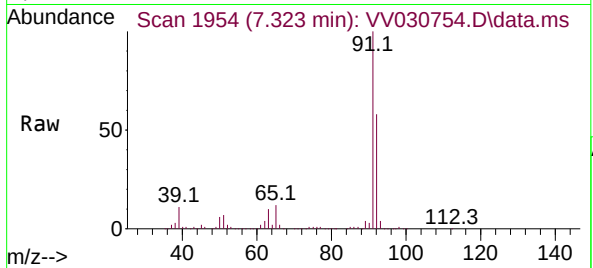




#42
Toluene
Concen: 47.965 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

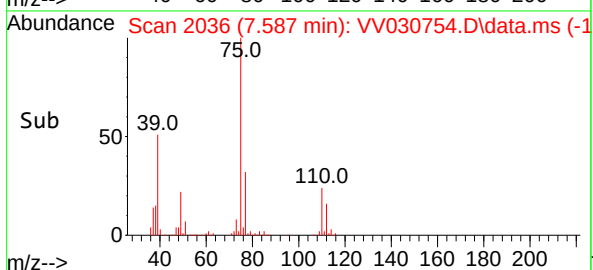
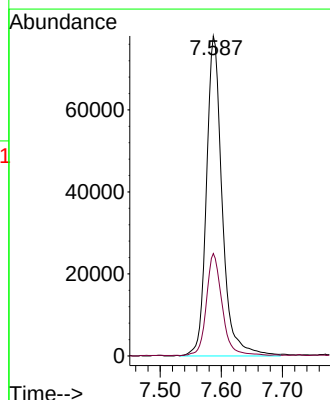
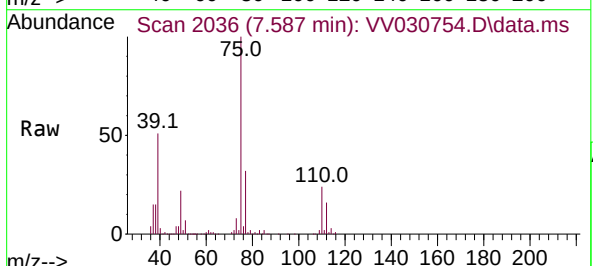
Instrument :
MSVOA_V
ClientSampleId :
VSTD050299

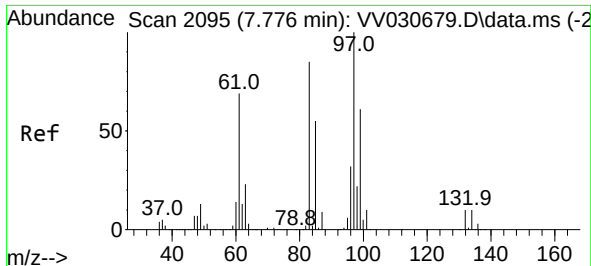
Tgt Ion: 91 Resp: 376796
Ion Ratio Lower Upper
91 100
92 58.0 39.8 73.8



#44
trans-1,3-Dichloropropene
Concen: 48.030 ug/L
RT: 7.587 min Scan# 2036
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

Tgt Ion: 75 Resp: 139805
Ion Ratio Lower Upper
75 100
77 32.0 22.1 41.1

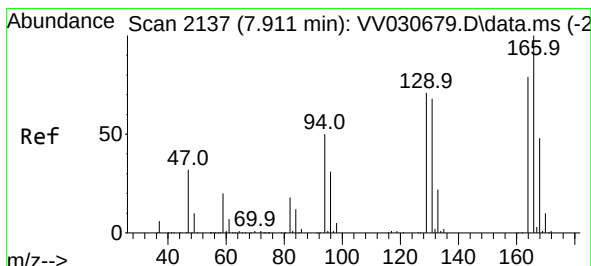
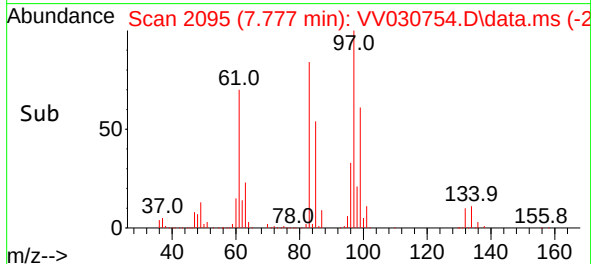
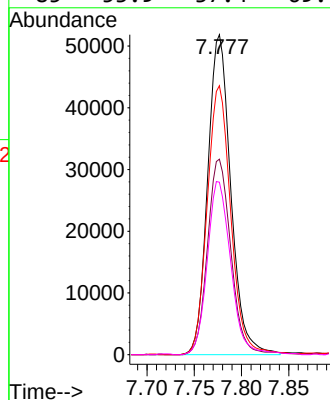
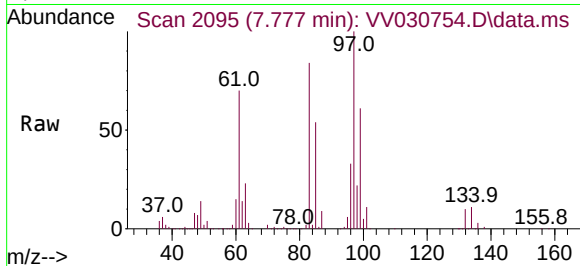




#45
1,1,2-Trichloroethane
Concen: 44.628 ug/L
RT: 7.777 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

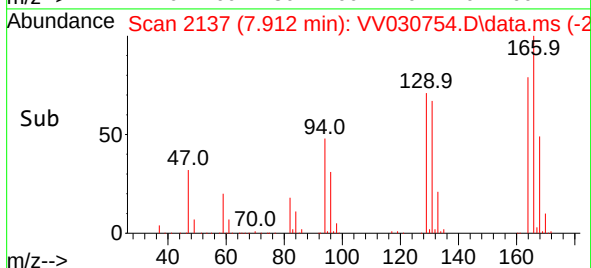
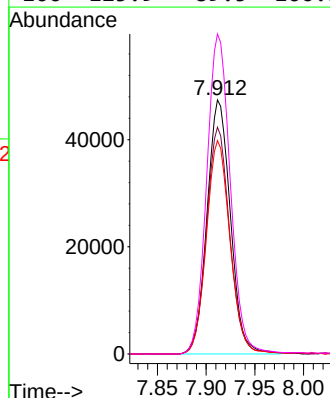
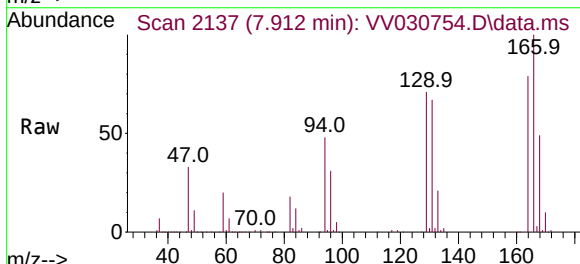
Instrument :
MSVOA_V
ClientSampleId :
VSTD050299

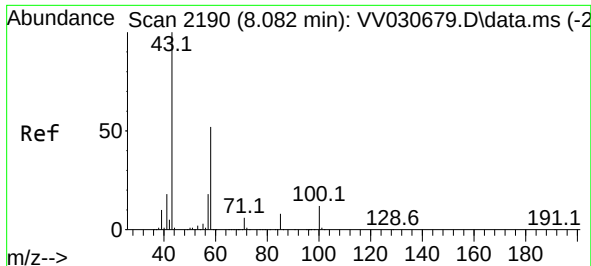
Tgt Ion: 97	Resp: 88338
Ion Ratio	Lower Upper
97 100	
99 61.1	43.8 81.4
83 84.0	59.6 110.6
85 53.9	37.4 69.4



#46
Tetrachloroethene
Concen: 47.461 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

Tgt	Ion:164	Resp:	79251
Ion	Ratio	Lower	Upper
164	100		
129	89.2	63.8	118.6
131	83.9	60.3	111.9
166	125.9	89.5	166.1



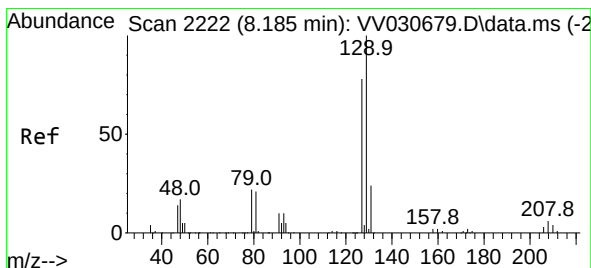
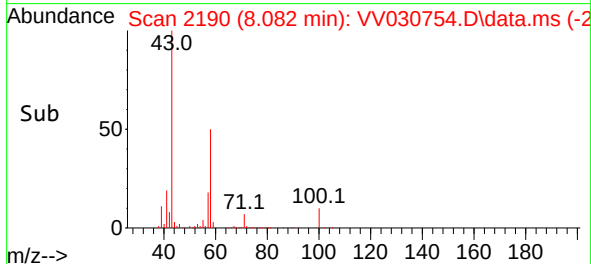
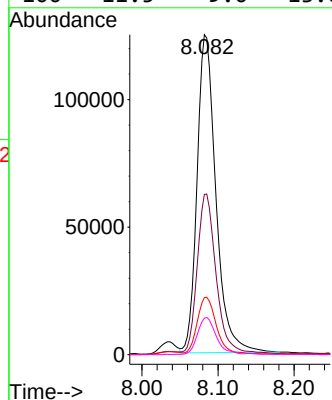
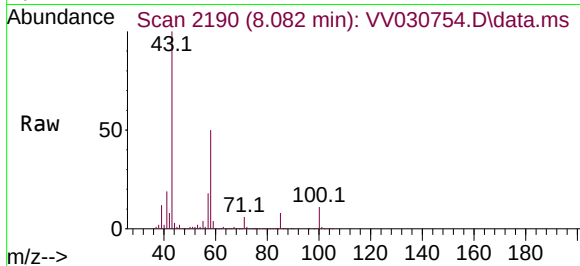


#48
2-Hexanone
Concen: 94.634 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.003 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD050299

Tgt Ion: 43 Resp: 215317

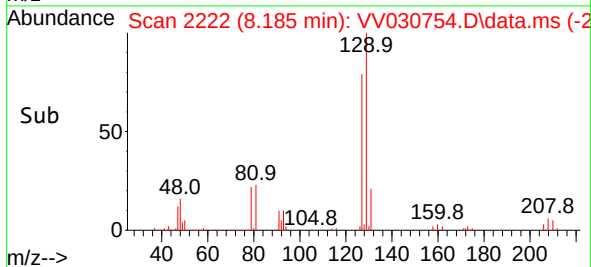
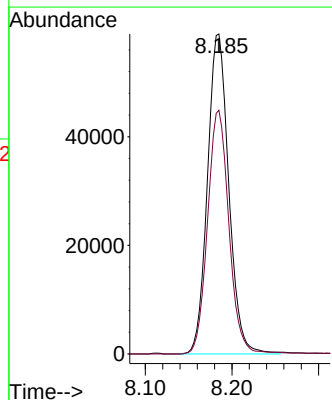
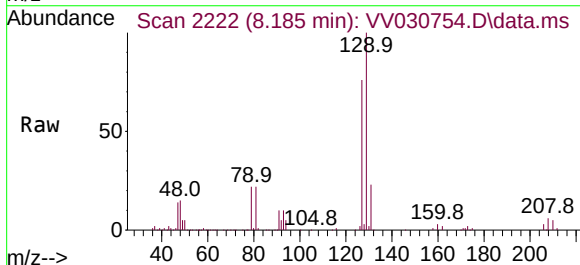
Ion	Ratio	Lower	Upper
43	100		
58	50.9	41.4	62.0
57	18.1	14.9	22.3
100	11.5	9.0	13.6

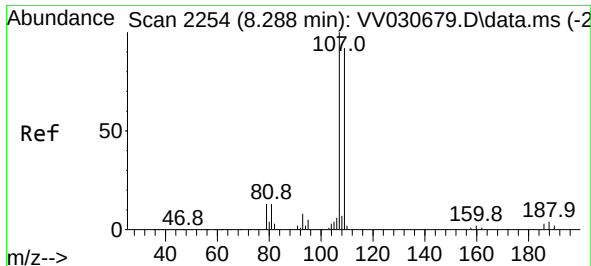


#49
Dibromochloromethane
Concen: 46.174 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

Tgt Ion: 129 Resp: 100815

Ion	Ratio	Lower	Upper
129	100		
127	76.2	52.8	98.2





#50

1,2-Dibromoethane

Concen: 45.639 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV030754.D

Acq: 21 Apr 2023 10:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD050299

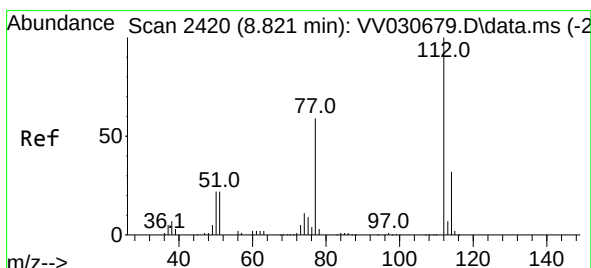
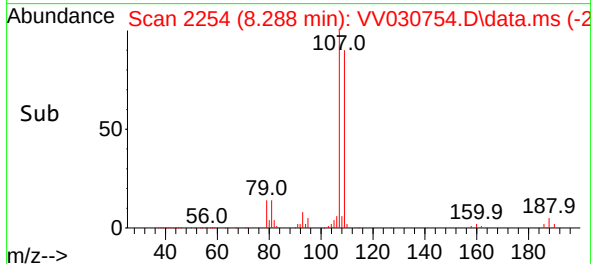
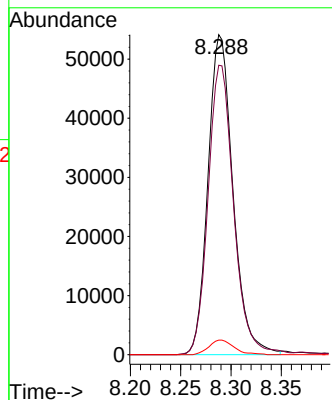
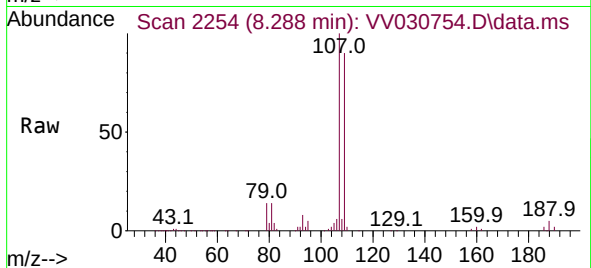
Tgt Ion:107 Resp: 93605

Ion Ratio Lower Upper

107 100

109 90.5 65.7 121.9

188 4.6 3.2 4.8



#51

Chlorobenzene

Concen: 46.462 ug/L

RT: 8.822 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV030754.D

Acq: 21 Apr 2023 10:50

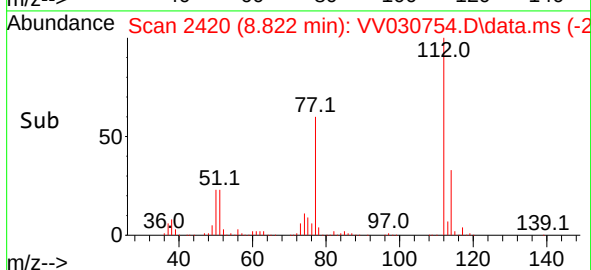
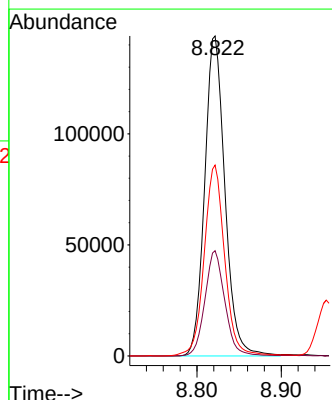
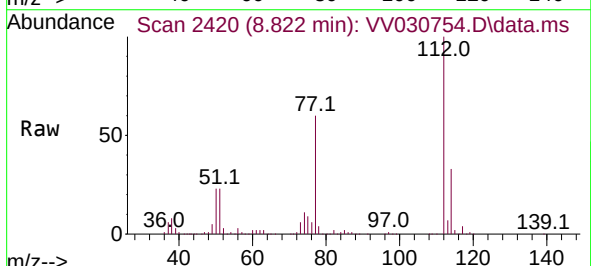
Tgt Ion:112 Resp: 241724

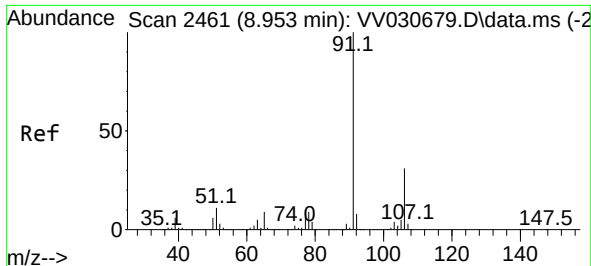
Ion Ratio Lower Upper

112 100

114 32.9 22.4 41.6

77 59.6 47.4 71.0

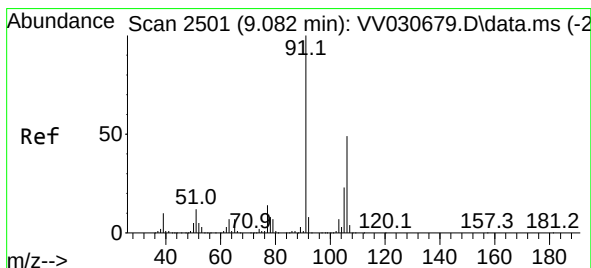
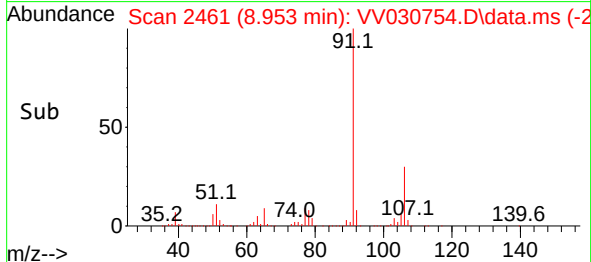
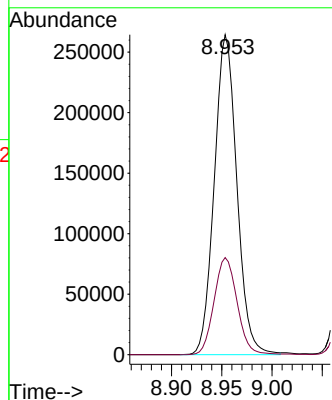
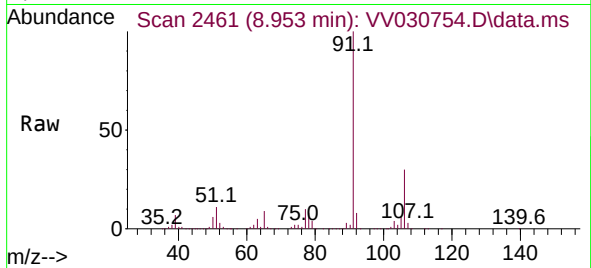




#52
Ethylbenzene
Concen: 47.491 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

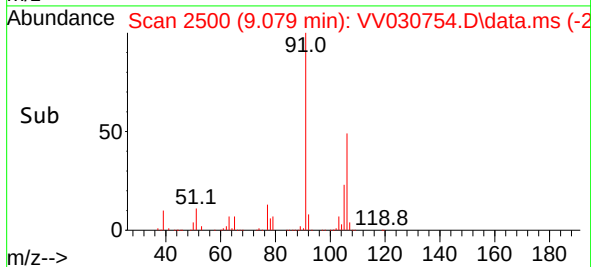
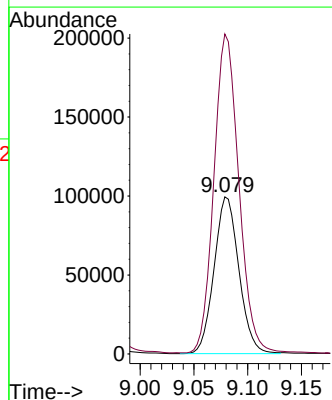
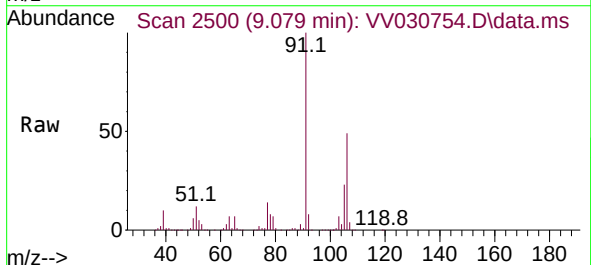
Instrument :
MSVOA_V
ClientSampleId :
VSTD050299

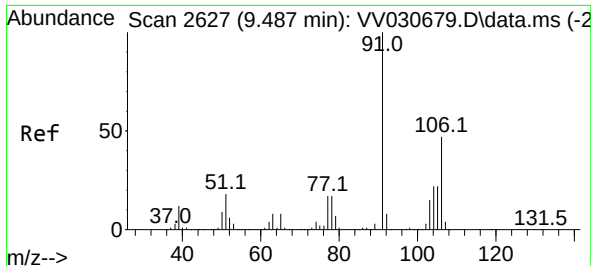
Tgt Ion: 91 Resp: 413010
Ion Ratio Lower Upper
91 100
106 30.4 21.8 40.4



#53
m,p-Xylene
Concen: 48.568 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

Tgt Ion: 106 Resp: 159543
Ion Ratio Lower Upper
106 100
91 203.7 144.7 268.7

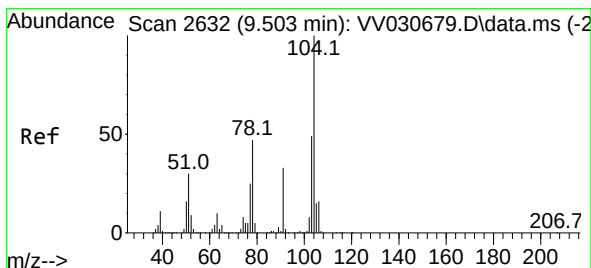
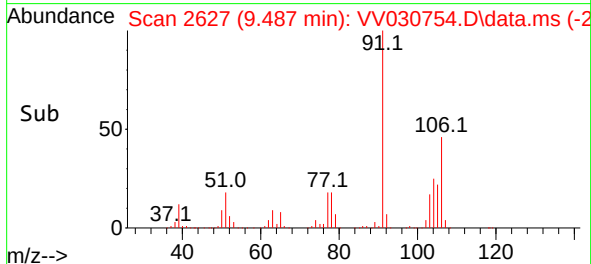
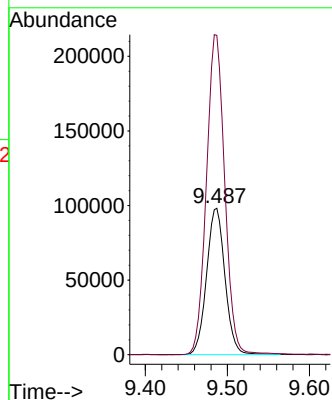
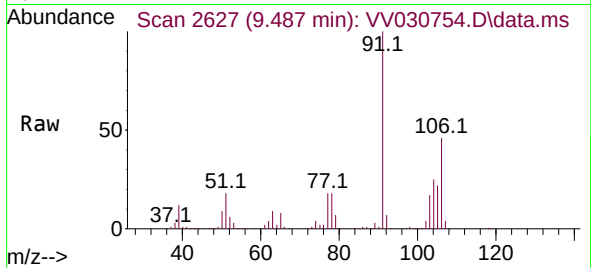




#54
o-Xylene
Concen: 47.809 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

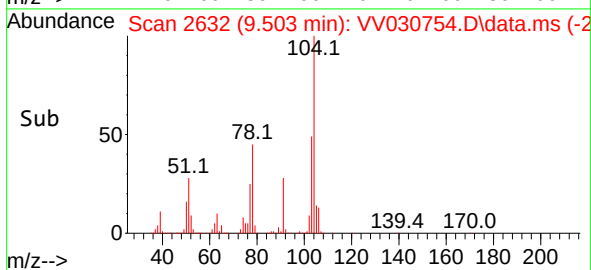
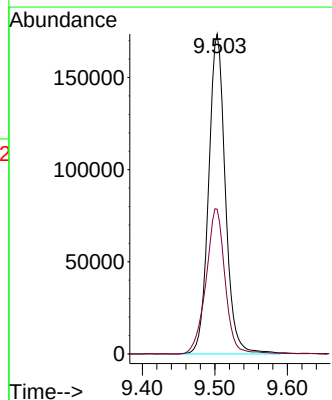
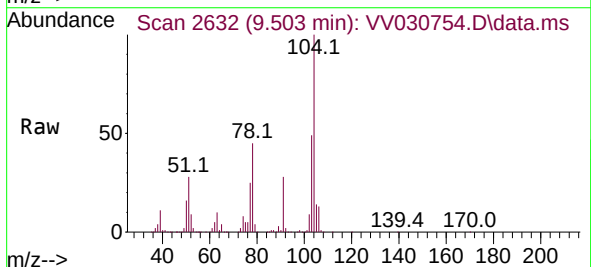
Instrument :
MSVOA_V
ClientSampleId :
VSTD050299

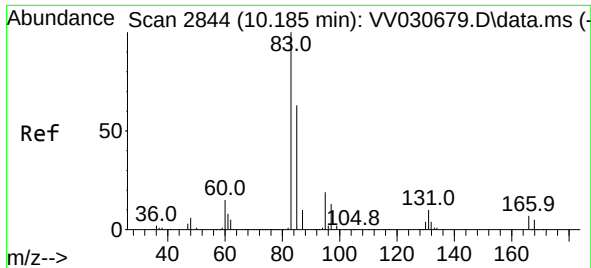
Tgt Ion:106 Resp: 153638
Ion Ratio Lower Upper
106 100
91 218.2 152.6 283.4



#55
Styrene
Concen: 49.359 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

Tgt Ion:104 Resp: 278629
Ion Ratio Lower Upper
104 100
78 45.2 32.3 59.9

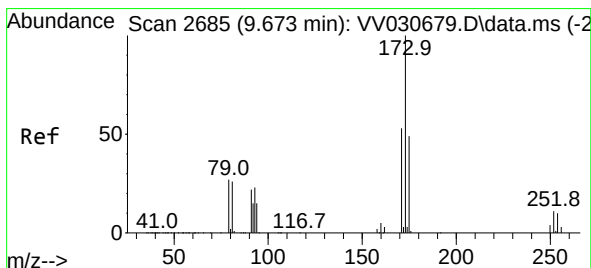
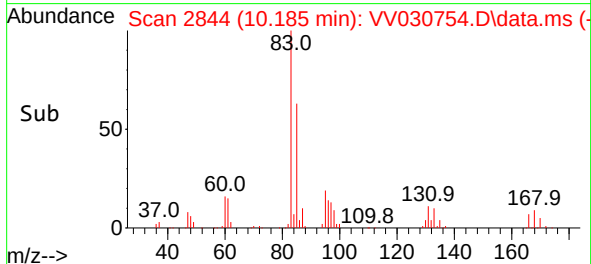
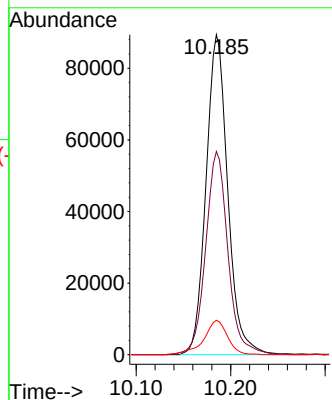
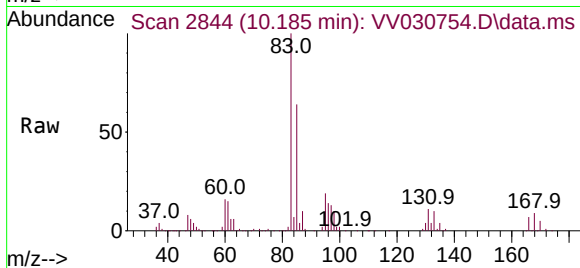




#57
1,1,2,2-Tetrachloroethane
Concen: 43.885 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

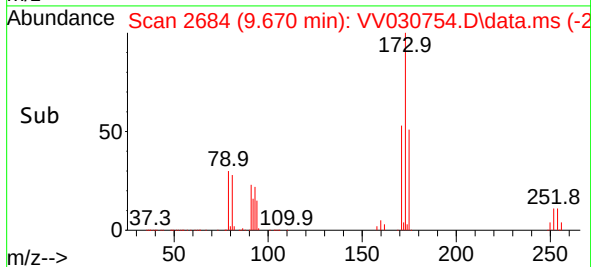
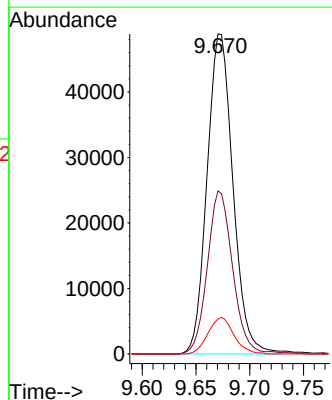
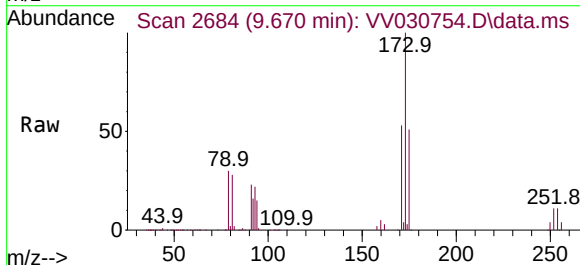
Instrument :
MSVOA_V
ClientSampleId :
VSTD050299

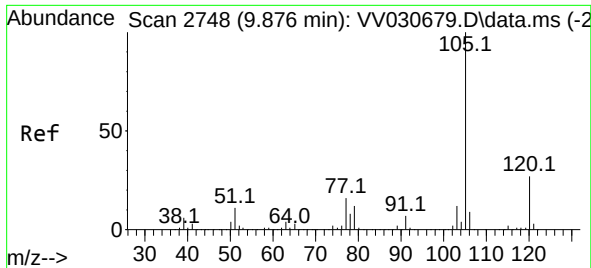
Tgt Ion: 83 Resp: 142622
Ion Ratio Lower Upper
83 100
85 63.5 45.1 83.7
131 10.7 8.0 12.0



#59
Bromoform
Concen: 45.295 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. -0.003 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

Tgt Ion: 173 Resp: 81740
Ion Ratio Lower Upper
173 100
175 49.4 38.8 58.2
254 11.4 8.2 12.4

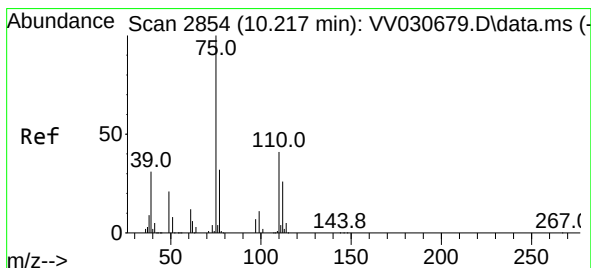
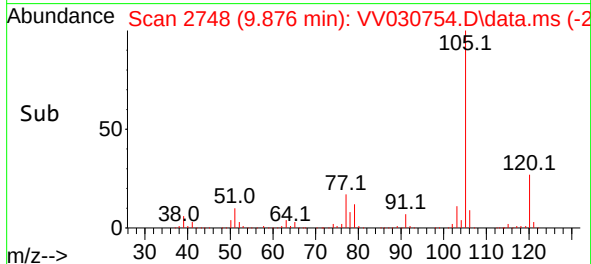
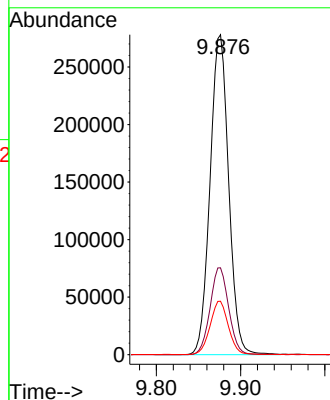
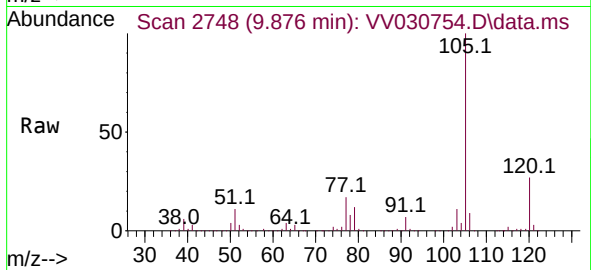




#60
Isopropylbenzene
Concen: 47.507 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

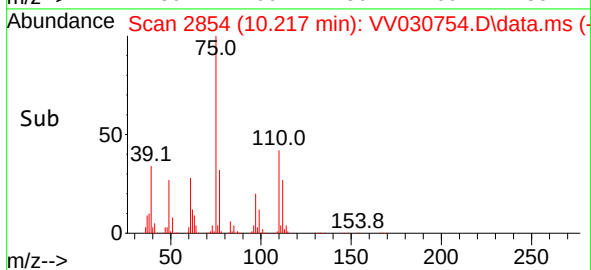
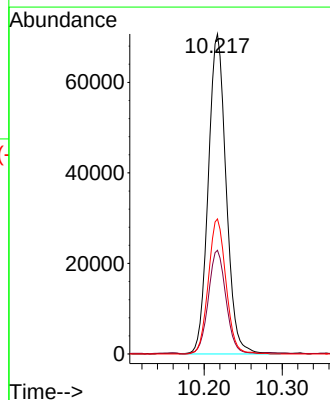
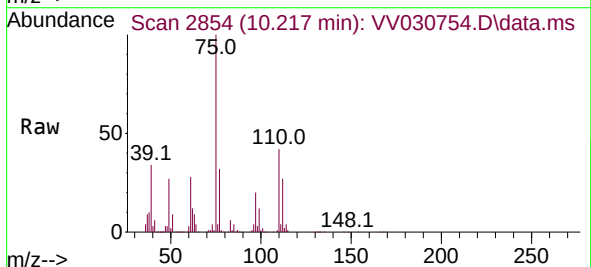
Instrument :
MSVOA_V
ClientSampleId :
VSTD050299

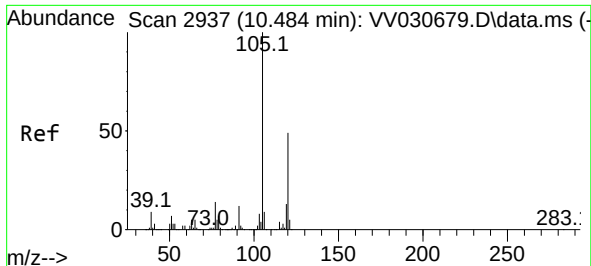
Tgt Ion:105 Resp: 427052
Ion Ratio Lower Upper
105 100
120 27.2 20.9 31.3
77 16.4 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 43.566 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

Tgt Ion: 75 Resp: 112471
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5
110 41.6 32.8 49.2

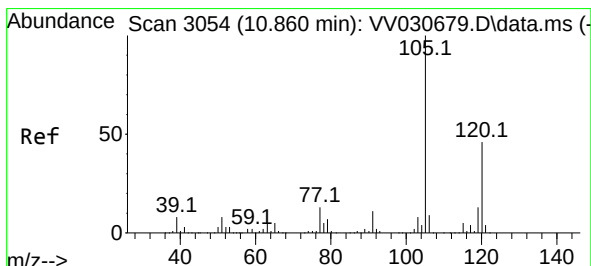
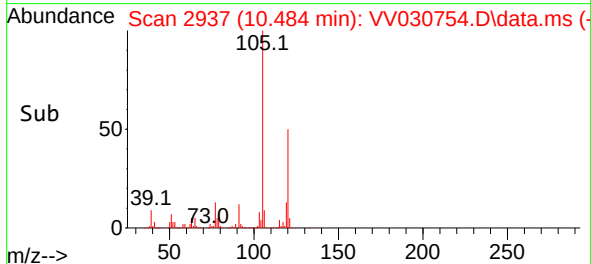
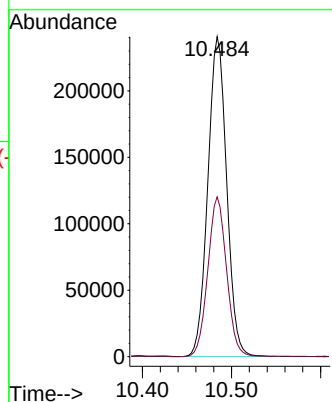
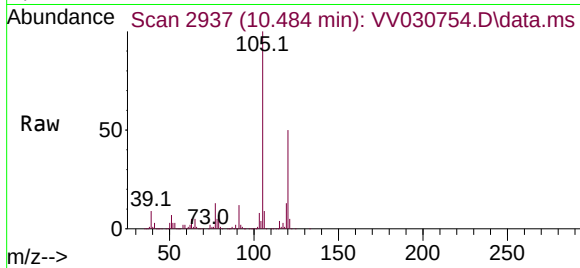




#62
 1,3,5-Trimethylbenzene
 Concen: 47.668 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV030754.D
 Acq: 21 Apr 2023 10:50

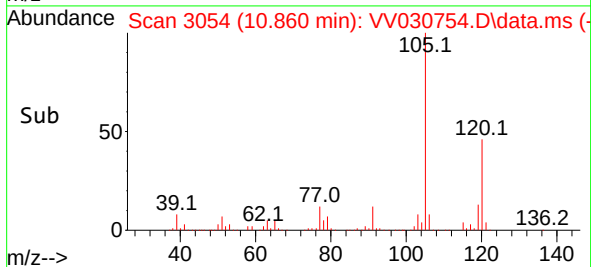
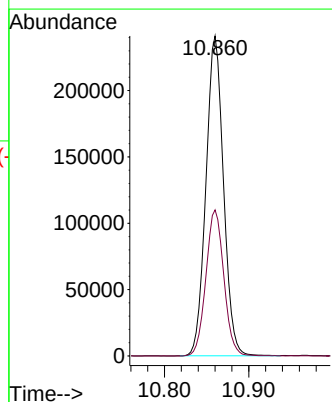
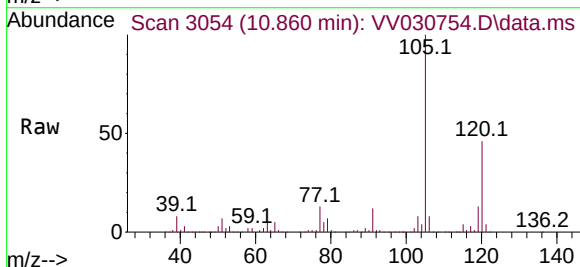
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050299

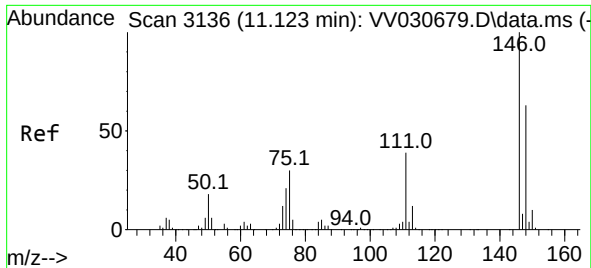
Tgt Ion:105 Resp: 352804
 Ion Ratio Lower Upper
 105 100
 120 49.8 39.2 58.8



#63
 1,2,4-Trimethylbenzene
 Concen: 47.373 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.000 min
 Lab File: VV030754.D
 Acq: 21 Apr 2023 10:50

Tgt Ion:105 Resp: 350082
 Ion Ratio Lower Upper
 105 100
 120 46.6 36.2 54.4

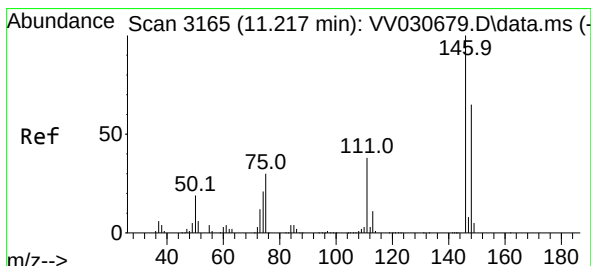
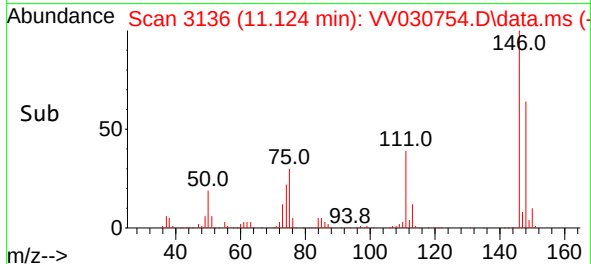
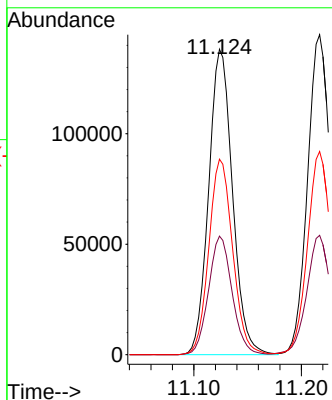
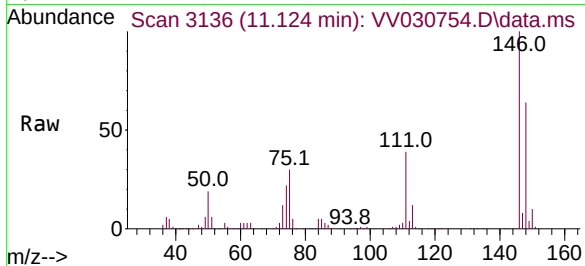




#64
1,3-Dichlorobenzene
Concen: 47.340 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

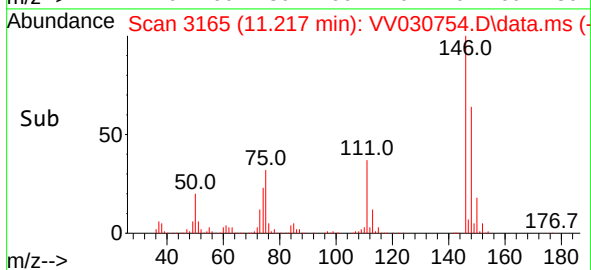
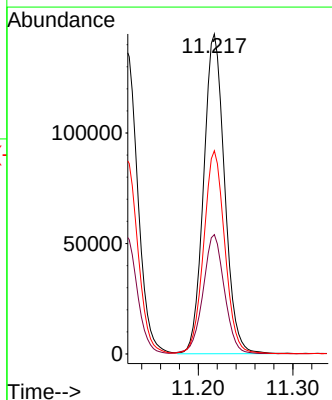
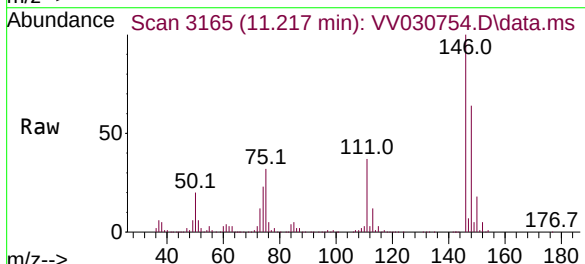
Instrument :
MSVOA_V
ClientSampleId :
VSTD050299

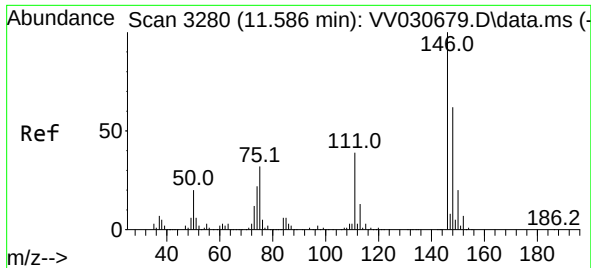
Tgt Ion:146 Resp: 213057
Ion Ratio Lower Upper
146 100
111 38.8 27.0 50.2
148 64.0 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 46.928 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

Tgt Ion:146 Resp: 222711
Ion Ratio Lower Upper
146 100
111 37.3 26.5 49.1
148 63.5 44.7 83.1

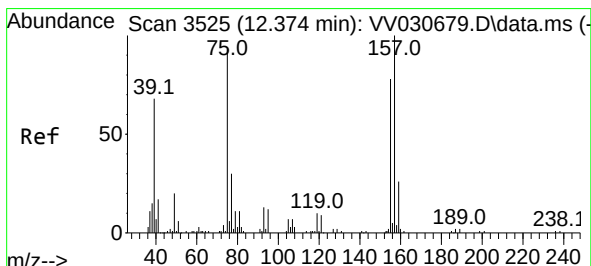
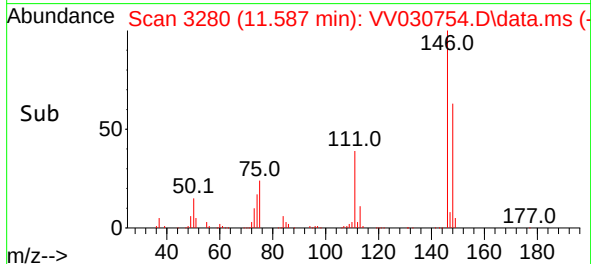
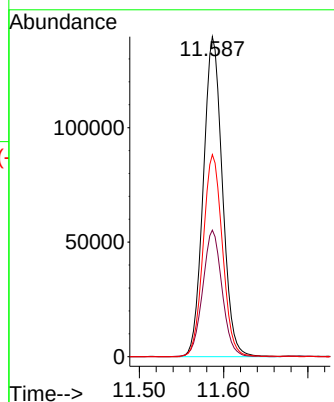
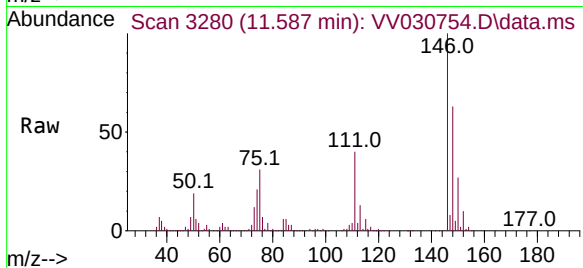




#67
1,2-Dichlorobenzene
Concen: 48.498 ug/L
RT: 11.587 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

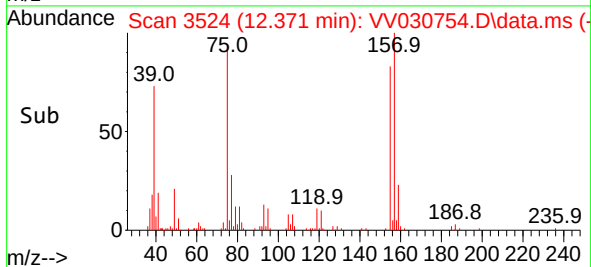
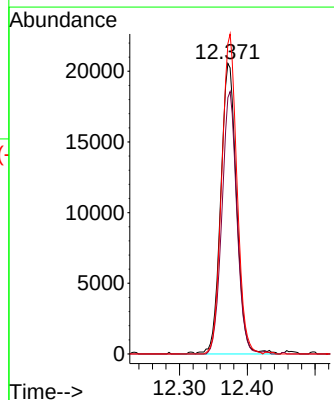
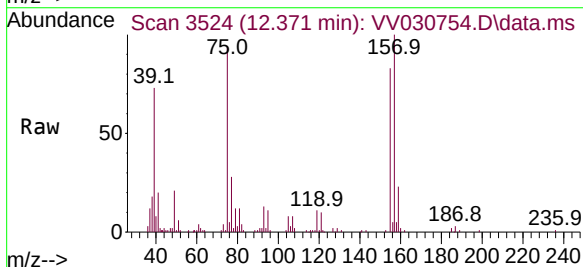
Instrument :
MSVOA_V
ClientSampleId :
VSTD050299

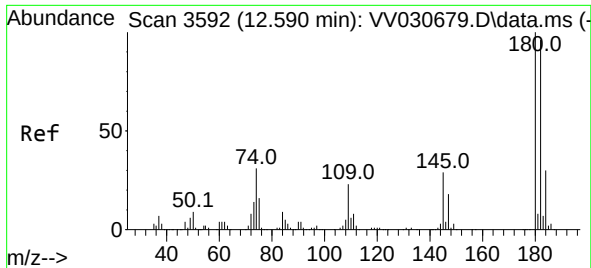
Tgt Ion:146 Resp: 220196
Ion Ratio Lower Upper
146 100
111 39.6 32.0 48.0
148 63.2 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 43.636 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

Tgt Ion: 75 Resp: 33375
Ion Ratio Lower Upper
75 100
155 88.2 65.0 97.6
157 106.8 84.4 126.6

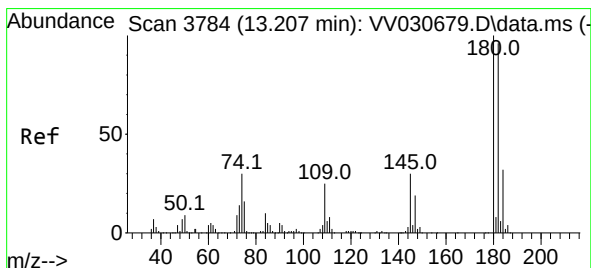
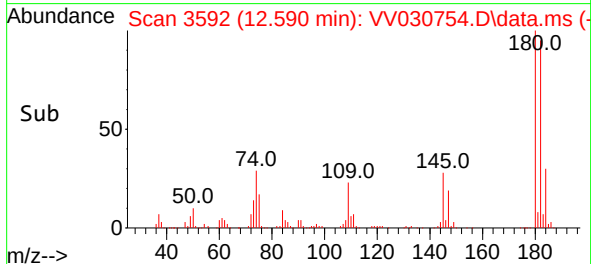
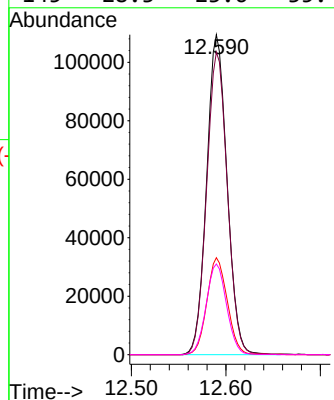
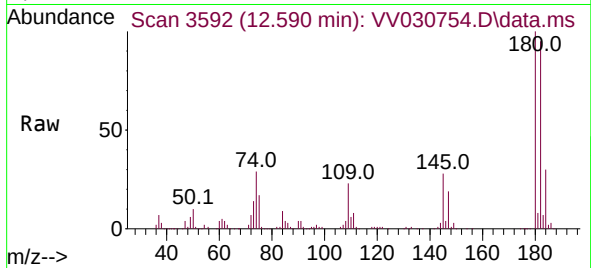




#69
 1,3,5-Trichlorobenzene
 Concen: 48.313 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. 0.000 min
 Lab File: VV030754.D
 Acq: 21 Apr 2023 10:50

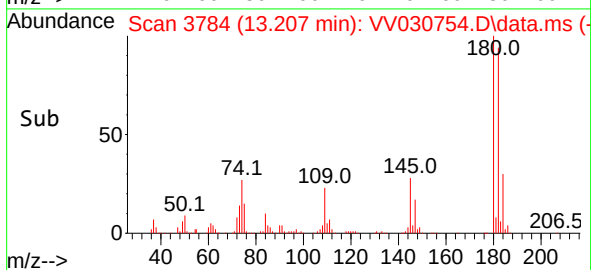
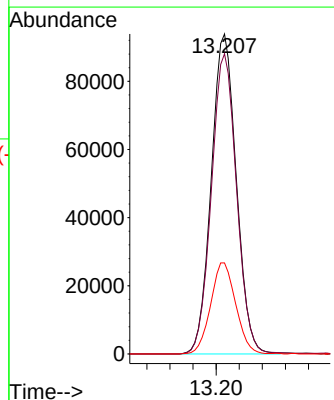
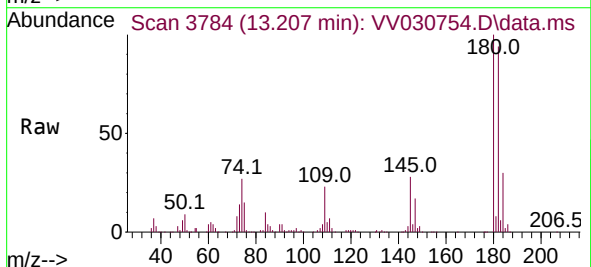
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050299

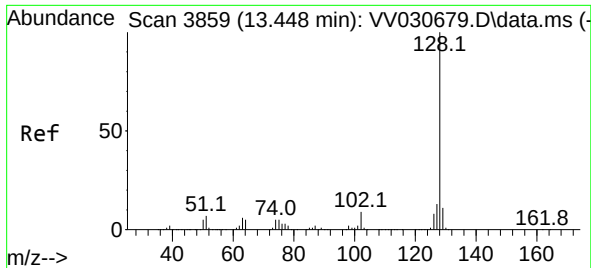
Tgt Ion:180	Resp:	164253
Ion Ratio	Lower	Upper
180	100	
182	95.8	76.4 114.6
184	30.3	24.1 36.1
145	28.3	23.6 35.4



#70
 1,2,4-trichlorobenzene
 Concen: 48.874 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. 0.000 min
 Lab File: VV030754.D
 Acq: 21 Apr 2023 10:50

Tgt Ion:180	Resp:	141080
Ion Ratio	Lower	Upper
180	100	
182	94.5	75.9 113.9
145	28.6	23.4 35.2

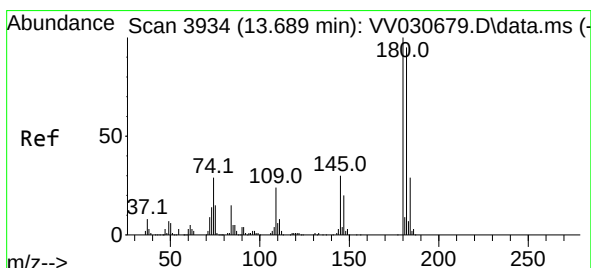
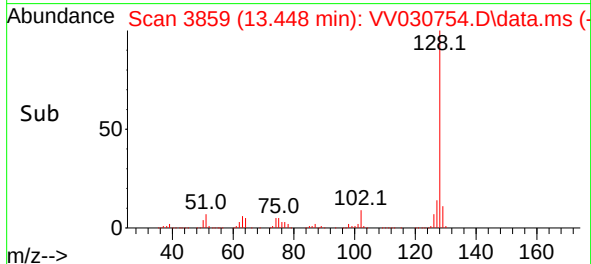
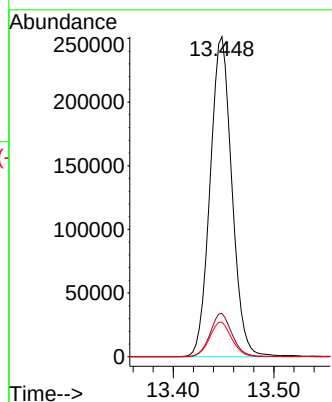
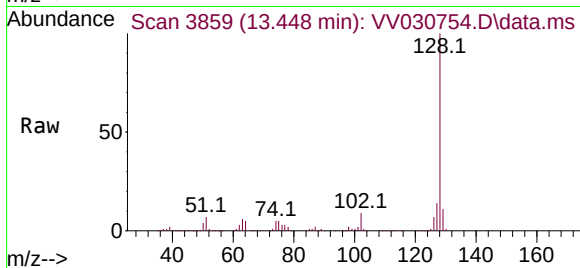




#71
Naphthalene
Concen: 47.867 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD050299

Tgt Ion:	128	Resp:	377973
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.7	16.1
129	11.0	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 49.642 ug/L
RT: 13.690 min Scan# 3934
Delta R.T. 0.000 min
Lab File: VV030754.D
Acq: 21 Apr 2023 10:50

Tgt Ion:	180	Resp:	142092
Ion Ratio	Lower	Upper	
180	100		
182	96.4	76.2	114.4
145	30.7	25.1	37.7

