

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082224\
 Data File : VV036998.D
 Acq On : 22 Aug 2024 09:15
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5.00mL/10mL/MSVOA_V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 23 04:45:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 04:43:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	680894	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	635916	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	304739	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	59797	6.268	ug/L	0.00
7) Chloroethane-d5	1.532	69	48143	5.899	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	27244	5.928	ug/L	0.00
21) 2-Butanone-d5	3.870	46	8043	4.631	ug/L	0.02
24) Chloroform-d	4.249	84	103249	5.381	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.944	65	49471	5.605	ug/L	0.00
32) Benzene-d6	4.956	84	209357	5.494	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	63481	5.274	ug/L	0.00
41) Toluene-d8	7.243	98	185808	5.350	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	21453	5.330	ug/L	0.00
47) 2-Hexanone-d5	8.053	63	8692	8.788	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.149	84	34305	5.371	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.557	152	57254	5.249	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	59190	5.566	ug/L	99
3) Chloromethane	1.217	50	68183	5.538	ug/L	99
5) Vinyl chloride	1.281	62	63954	5.245	ug/L	100
6) Bromomethane	1.487	94	40375	5.206	ug/L	99
8) Chloroethane	1.548	64	40407	5.246	ug/L	99
9) Trichlorofluoromethane	1.712	101	82835	5.145	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	50632	5.103	ug/L	99
12) 1,1-Dichloroethene	2.069	96	47342	5.123	ug/L	95
13) Acetone	2.162	43	15449	8.155	ug/L	87
14) Carbon disulfide	2.236	76	158320	5.174	ug/L	97
15) Methyl Acetate	2.387	43	18233	5.388	ug/L	95
16) Methylene chloride	2.445	84	79989	5.906	ug/L	94
17) trans-1,2-Dichloroethene	2.690	96	52285	5.169	ug/L	96
18) Methyl tert-butyl Ether	2.709	73	111185	5.305	ug/L	99
19) 1,1-Dichloroethane	3.104	63	102461	5.203	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	55085	5.077	ug/L	96
22) 2-Butanone	3.863	43	308	0.184	ug/L	90
23) Bromochloromethane	4.146	128	22170	5.149	ug/L	98
25) Chloroform	4.272	83	100874	5.241	ug/L	98
27) 1,2-Dichloroethane	5.043	62	52429	4.981	ug/L	98
29) Cyclohexane	4.574	56	80450	4.877	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	79905	4.983	ug/L	99
31) Carbon tetrachloride	4.728	117	66657	4.925	ug/L	100
33) Benzene	5.005	78	212322	5.122	ug/L	100
34) Trichloroethene	5.831	95	57531	4.916	ug/L	98
35) Methylcyclohexane	6.043	83	87651	4.844	ug/L	99
37) 1,2-Dichloropropane	6.091	63	49476	4.940	ug/L	99
38) Bromodichloromethane	6.432	83	62743	5.044	ug/L	97
39) cis-1,3-Dichloropropene	6.956	75	68051	4.627	ug/L	98
40) 4-Methyl-2-pentanone	7.172	43	42214	10.008	ug/L	96
42) Toluene	7.313	91	212900	4.902	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	51940	4.668	ug/L	99

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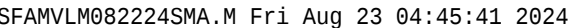
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 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 04:43:11 2024
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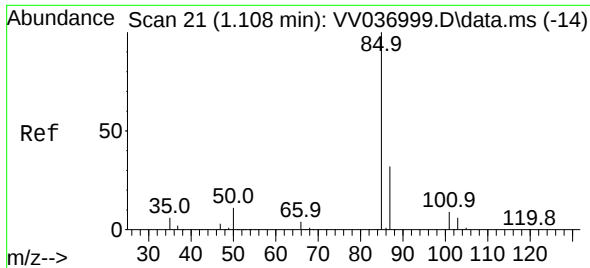
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.770	97	34668	5.275	ug/L	98
46) Tetrachloroethene	7.902	164	42560	5.144	ug/L	95
48) 2-Hexanone	8.098	43	26229	8.932	ug/L #	92
49) Dibromochloromethane	8.175	129	36353	5.028	ug/L	100
50) 1,2-Dibromoethane	8.284	107	30183	5.089	ug/L	98
51) Chlorobenzene	8.812	112	139680	5.036	ug/L	100
52) Ethylbenzene	8.943	91	239036	4.881	ug/L	99
53) m,p-Xylene	9.069	106	87944	4.833	ug/L	98
54) o-Xylene	9.474	106	84729	4.875	ug/L	100
55) Styrene	9.493	104	136214	4.748	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	32142	5.283	ug/L	95
59) Bromoform	9.667	173	16438	4.763	ug/L	96
60) Isopropylbenzene	9.863	105	234740	4.885	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	25567	5.203	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	187709	4.772	ug/L	98
63) 1,2,4-Trimethylbenzene	10.847	105	181782	4.741	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	102898	5.011	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	106688	5.201	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	89404	5.025	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	4568	4.749	ug/L	86
69) 1,3,5-Trichlorobenzene	12.580	180	71350	4.986	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	56394	4.924	ug/L	99
71) Naphthalene	13.438	128	82492	4.782	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	47380	4.997	ug/L	97

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

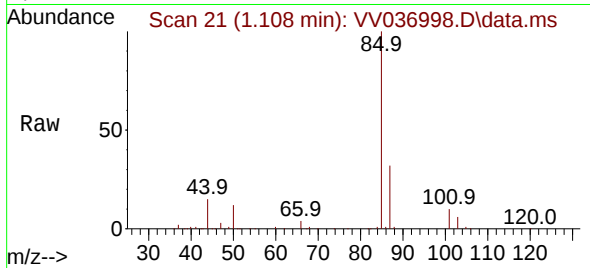
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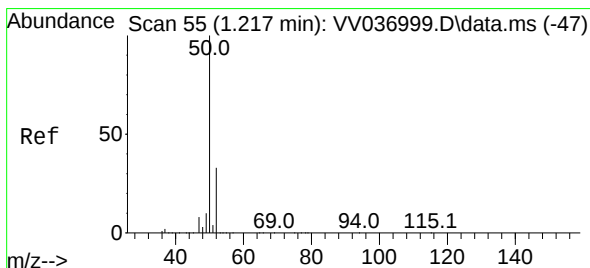
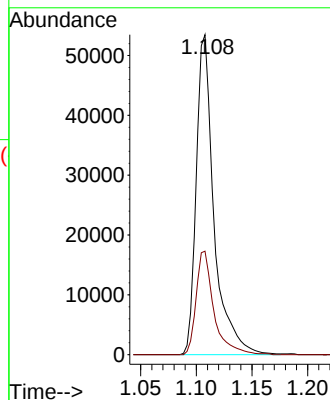
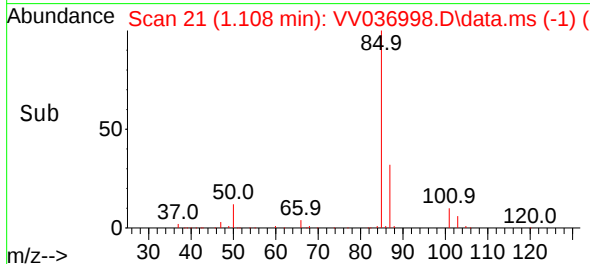


#2
 Dichlorodifluoromethane
 Concen: 5.566 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV036998.D
 Acq: 22 Aug 2024 09:15

Instrument :
 MSVOA_V
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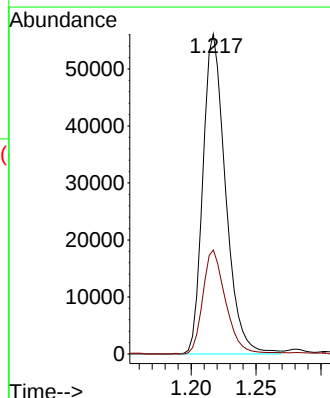
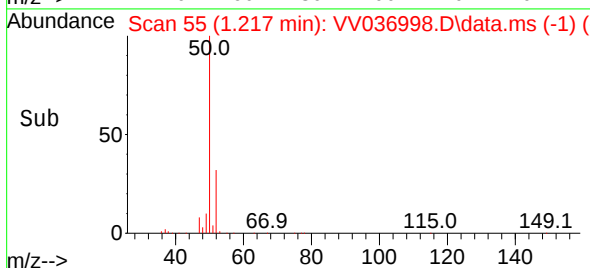
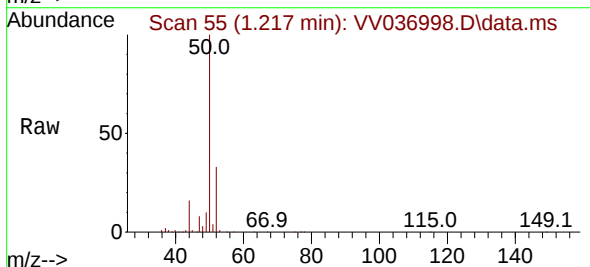


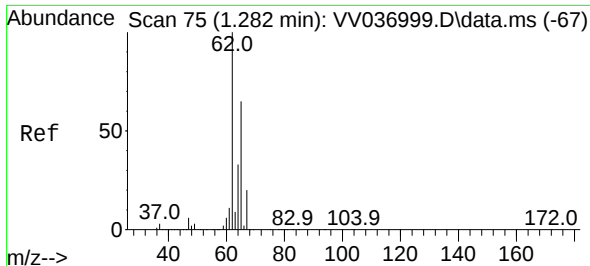
Tgt Ion: 85 Resp: 59190
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.1 39.1



#3
 Chloromethane
 Concen: 5.538 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV036998.D
 Acq: 22 Aug 2024 09:15

Tgt Ion: 50 Resp: 68183
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.2 43.2



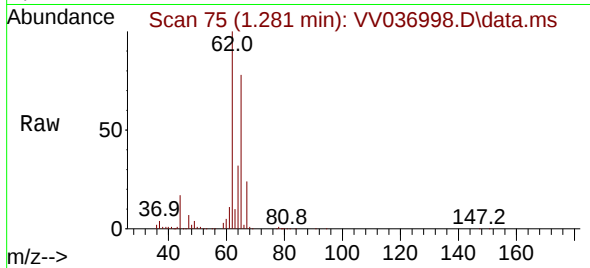


#5
 Vinyl chloride
 Concen: 5.245 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV036998.D
 Acq: 22 Aug 2024 09:15

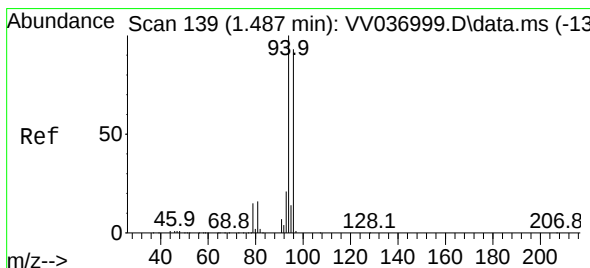
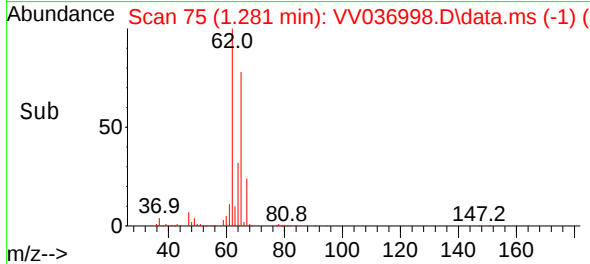
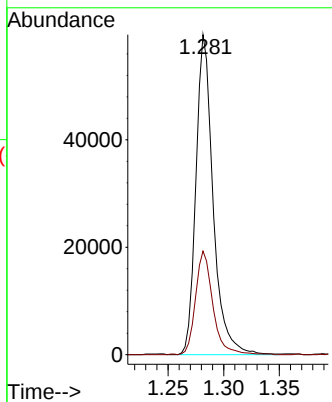
Instrument :

MSVOA_V

ClientSampleId :

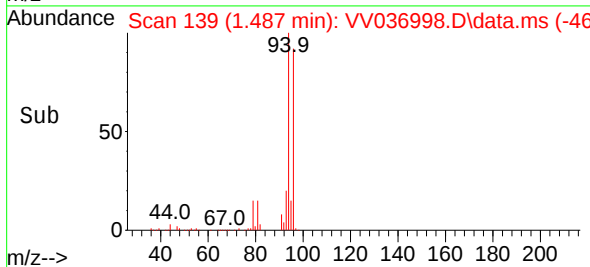
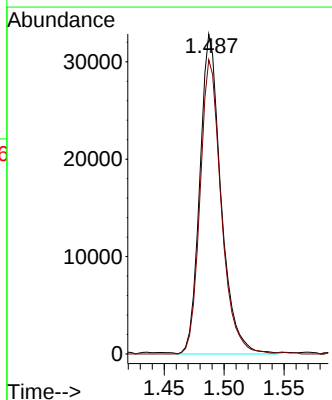
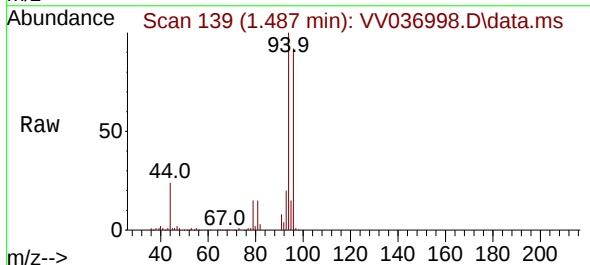


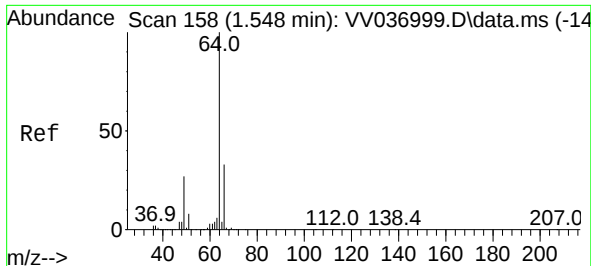
Tgt Ion: 62 Resp: 63954
 Ion Ratio Lower Upper
 62 100
 64 32.4 22.8 42.4



#6
 Bromomethane
 Concen: 5.206 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV036998.D
 Acq: 22 Aug 2024 09:15

Tgt Ion: 94 Resp: 40375
 Ion Ratio Lower Upper
 94 100
 96 91.9 65.0 120.6

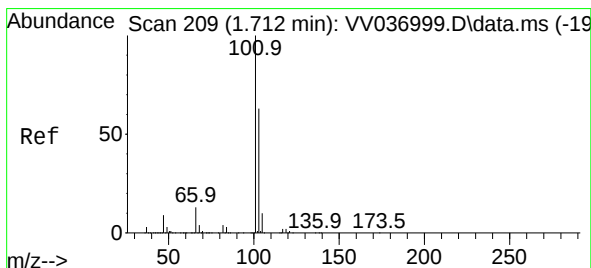
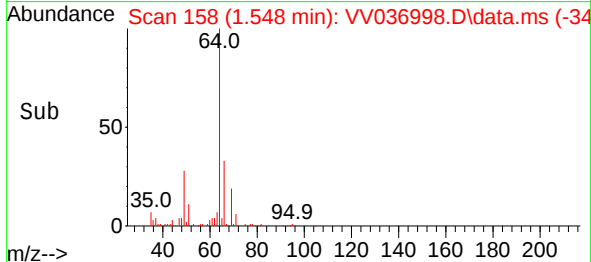
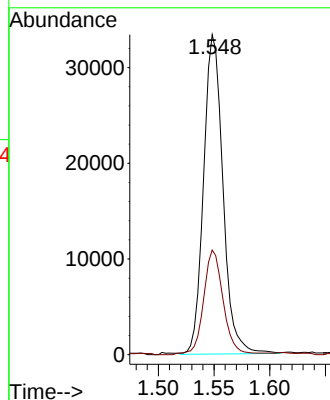
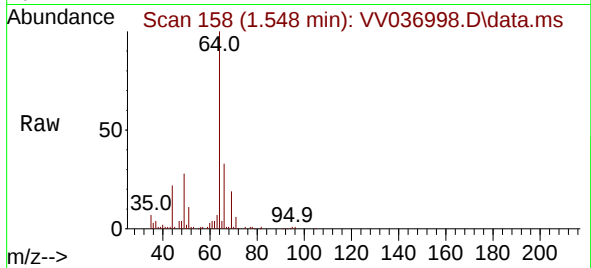




#8
Chloroethane
Concen: 5.246 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV036998.D
Acq: 22 Aug 2024 09:15

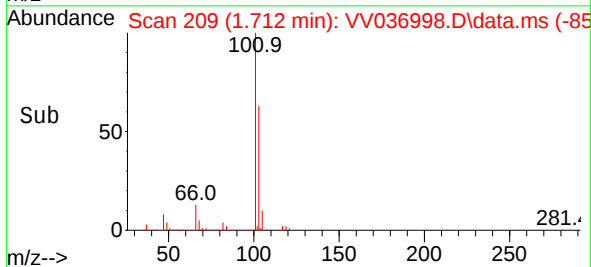
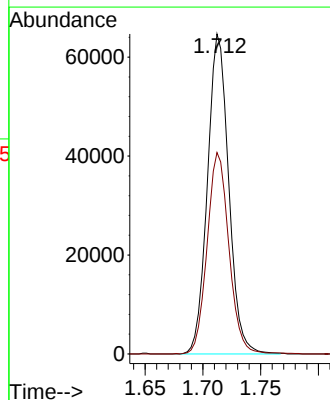
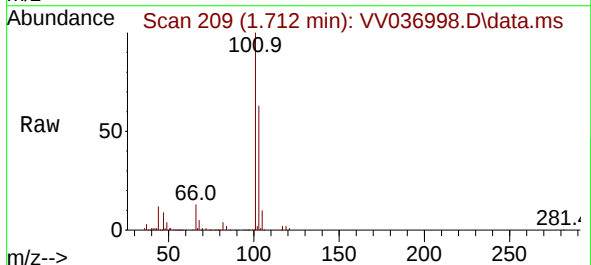
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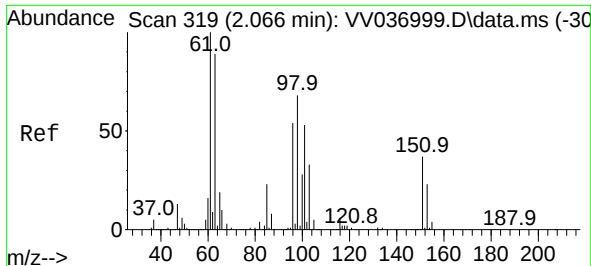
Tgt Ion: 64 Resp: 40407
Ion Ratio Lower Upper
64 100
66 32.7 23.2 43.0



#9
Trichlorofluoromethane
Concen: 5.145 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV036998.D
Acq: 22 Aug 2024 09:15

Tgt Ion:101 Resp: 82835
Ion Ratio Lower Upper
101 100
103 64.3 51.0 76.6

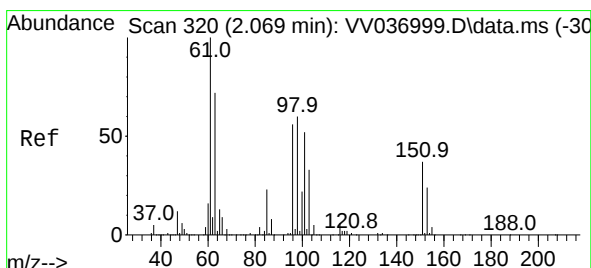
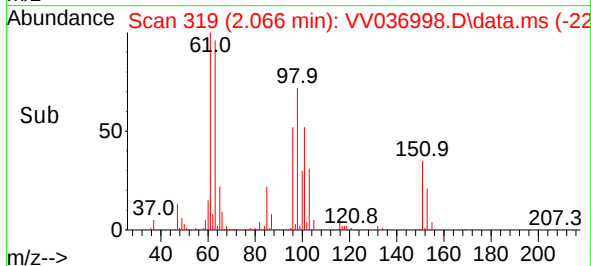
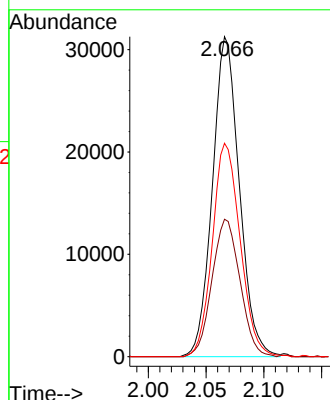
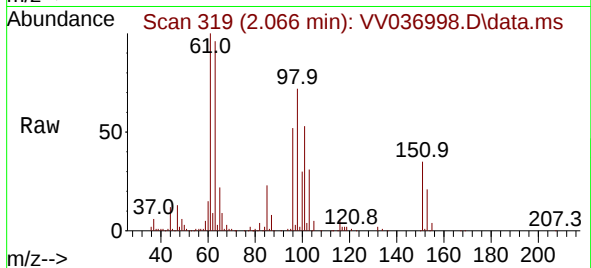




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.103 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.000 min
 Lab File: VV036998.D
 Acq: 22 Aug 2024 09:15

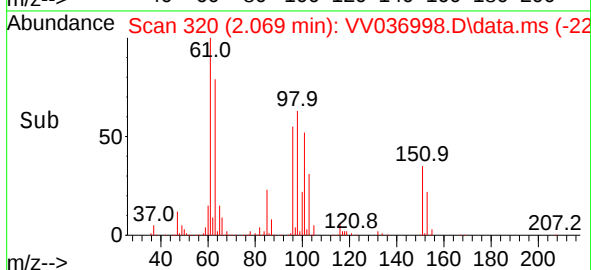
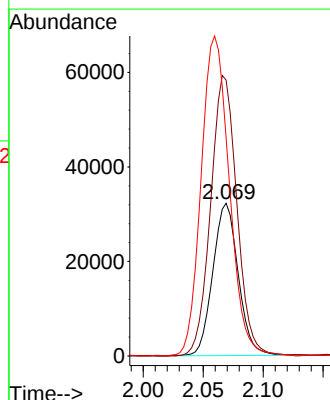
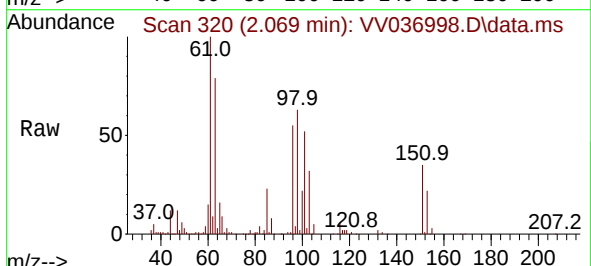
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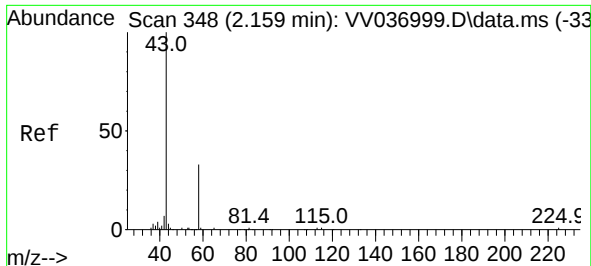
Tgt Ion:101 Resp: 50632
 Ion Ratio Lower Upper
 101 100
 85 44.7 35.6 53.4
 151 69.0 56.3 84.5



#12
 1,1-Dichloroethene
 Concen: 5.123 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV036998.D
 Acq: 22 Aug 2024 09:15

Tgt Ion: 96 Resp: 47342
 Ion Ratio Lower Upper
 96 100
 61 180.8 126.0 234.0
 63 142.9 91.0 169.0





#13

Acetone

Concen: 8.155 ug/L

RT: 2.162 min Scan# 34

Delta R.T. 0.003 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

Instrument :

MSVOA_V

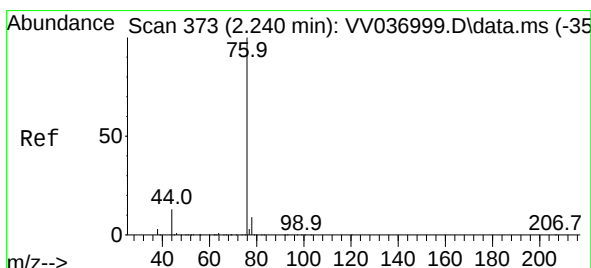
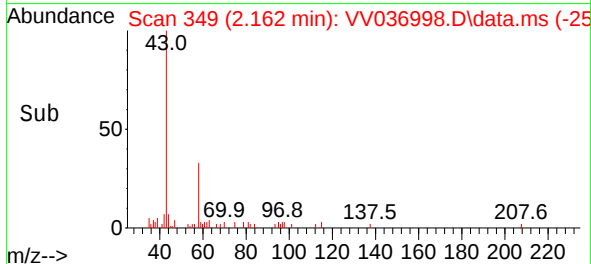
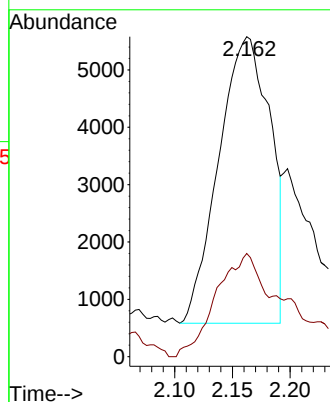
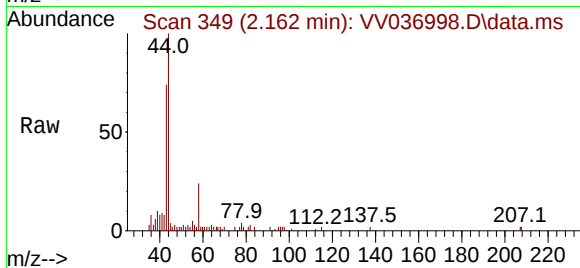
ClientSampleId :

Tgt Ion: 43 Resp: 15449

Ion Ratio Lower Upper

43 100

58 15.7 0.0 21.2



#14

Carbon disulfide

Concen: 5.174 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.003 min

Lab File: VV036998.D

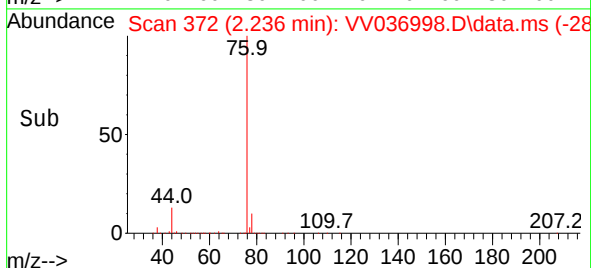
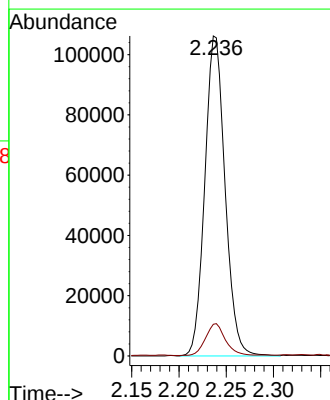
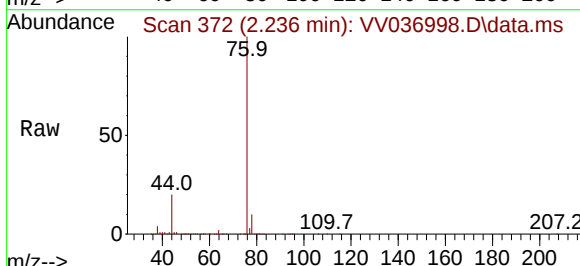
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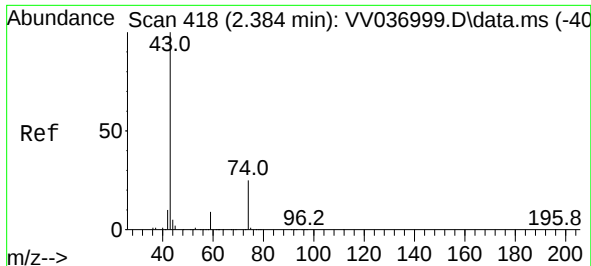
Tgt Ion: 76 Resp: 158320

Ion Ratio Lower Upper

76 100

78 9.9 7.1 10.7





#15

Methyl Acetate

Concen: 5.388 ug/L

RT: 2.387 min Scan# 418

Delta R.T. 0.003 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

Instrument :

MSVOA_V

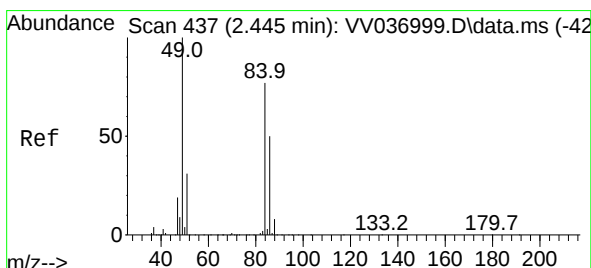
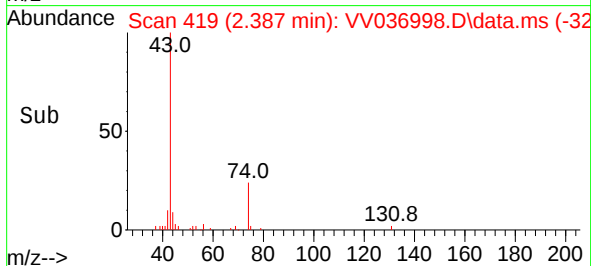
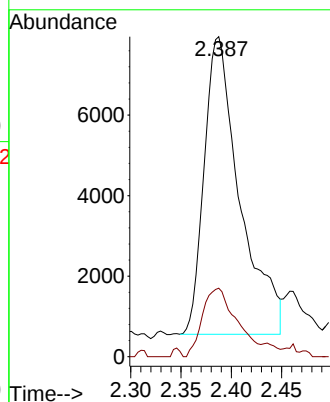
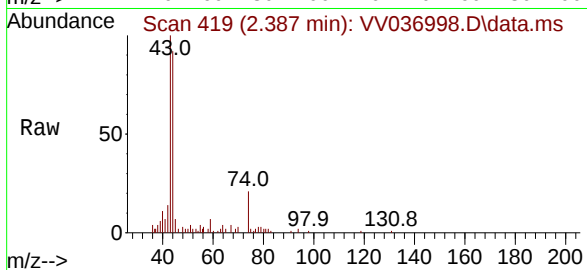
ClientSampleId :

Tgt Ion: 43 Resp: 18233

Ion Ratio Lower Upper

43 100

74 22.2 19.6 29.4



#16

Methylene chloride

Concen: 5.906 ug/L

RT: 2.445 min Scan# 437

Delta R.T. -0.000 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

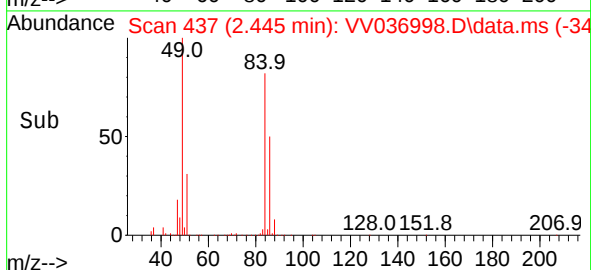
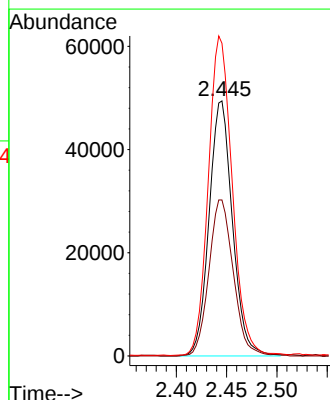
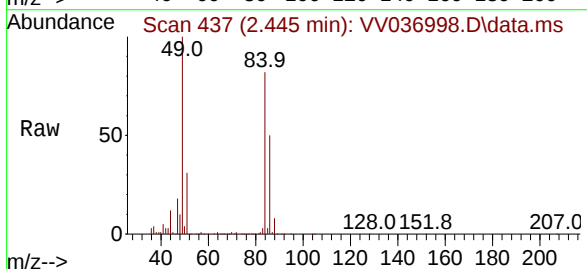
Tgt Ion: 84 Resp: 79989

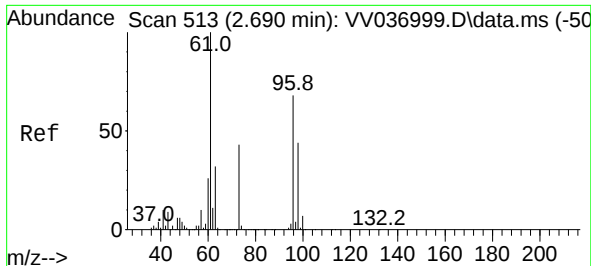
Ion Ratio Lower Upper

84 100

86 61.1 45.4 84.2

49 122.6 91.2 169.4

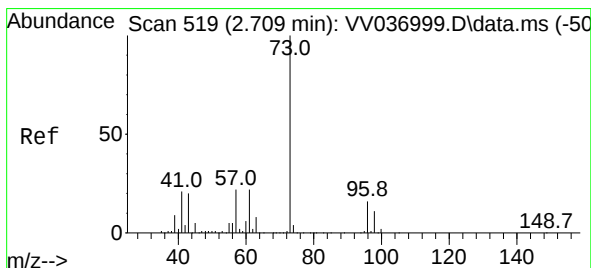
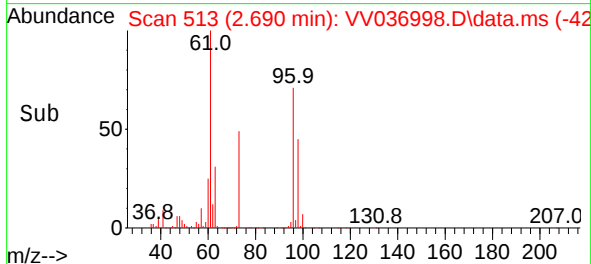
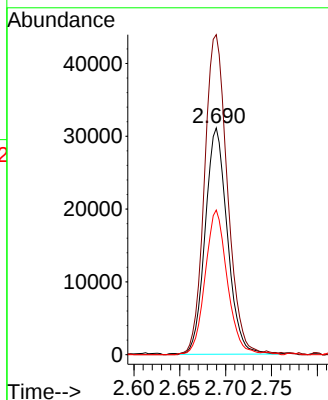
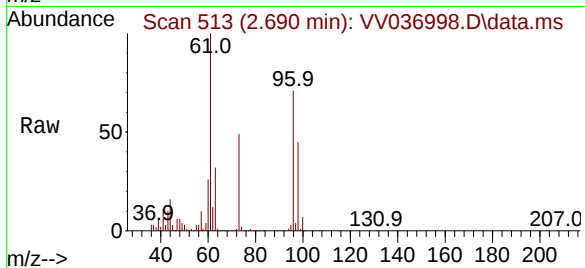




#17
trans-1,2-Dichloroethene
Concen: 5.169 ug/L
RT: 2.690 min Scan# 513
Delta R.T. -0.000 min
Lab File: VV036998.D
Acq: 22 Aug 2024 09:15

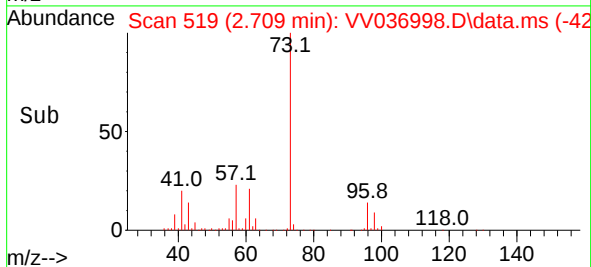
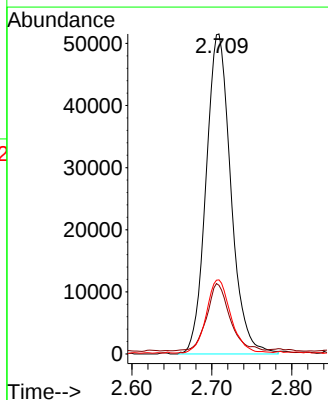
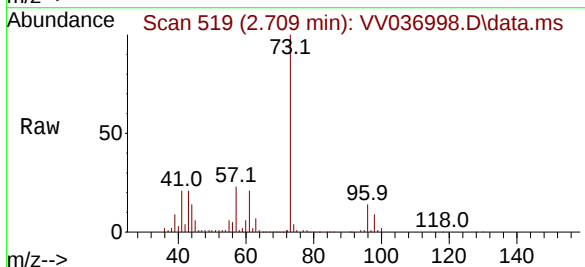
Instrument :
MSVOA_V
ClientSampleId :

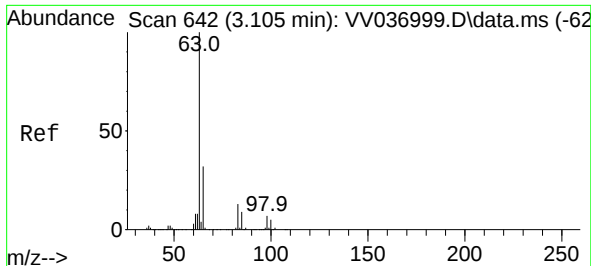
Tgt Ion: 96 Resp: 52285
Ion Ratio Lower Upper
96 100
61 141.1 103.3 191.9
98 63.8 45.0 83.6



#18
Methyl tert-butyl Ether
Concen: 5.305 ug/L
RT: 2.709 min Scan# 519
Delta R.T. -0.000 min
Lab File: VV036998.D
Acq: 22 Aug 2024 09:15

Tgt Ion: 73 Resp: 111185
Ion Ratio Lower Upper
73 100
43 19.1 15.9 23.9
57 22.2 17.6 26.4

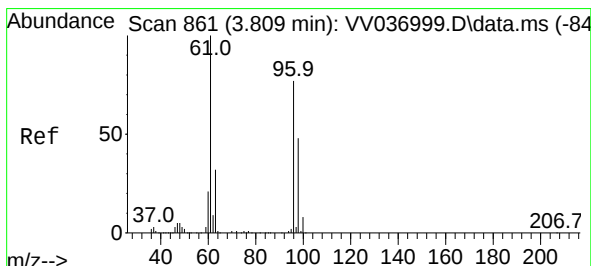
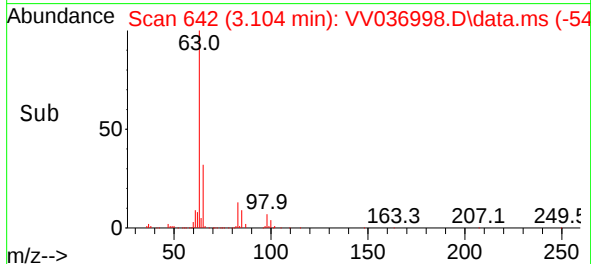
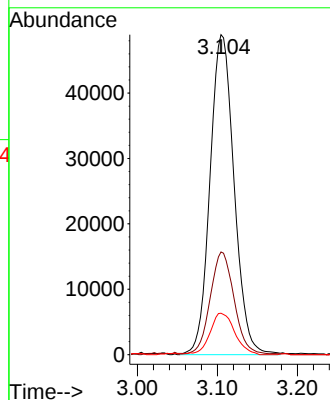
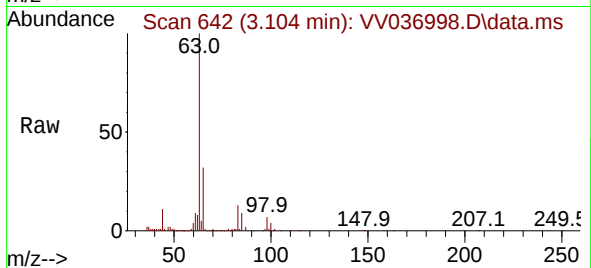




#19
1,1-Dichloroethane
Concen: 5.203 ug/L
RT: 3.104 min Scan# 642
Delta R.T. -0.000 min
Lab File: VV036998.D
Acq: 22 Aug 2024 09:15

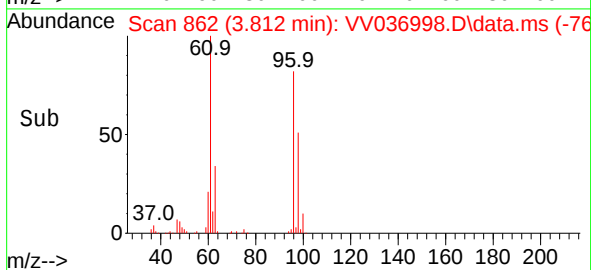
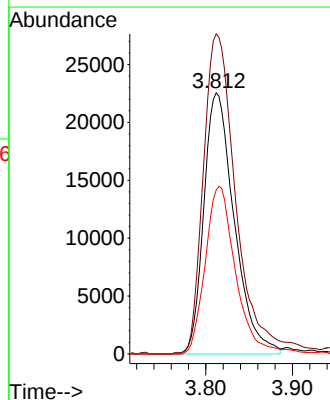
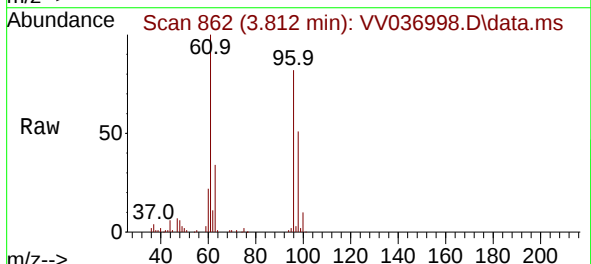
Instrument :
MSVOA_V
ClientSampleId :

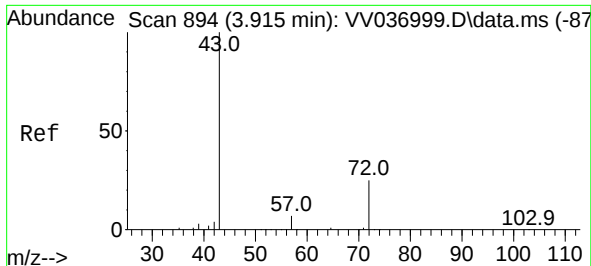
Tgt Ion: 63 Resp: 102461
Ion Ratio Lower Upper
63 100
65 32.1 22.3 41.3
83 13.0 9.0 16.6



#20
cis-1,2-Dichloroethene
Concen: 5.077 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.003 min
Lab File: VV036998.D
Acq: 22 Aug 2024 09:15

Tgt Ion: 96 Resp: 55085
Ion Ratio Lower Upper
96 100
61 122.5 91.0 169.0
98 62.7 43.8 81.3





#22

2-Butanone

Concen: 0.184 ug/L

RT: 3.863 min Scan# 81

Delta R.T. -0.052 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

Instrument :

MSVOA_V

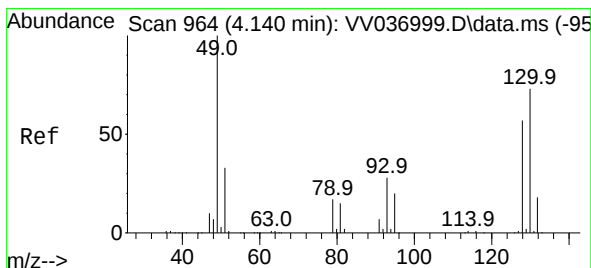
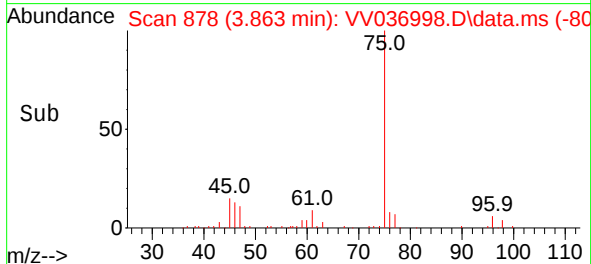
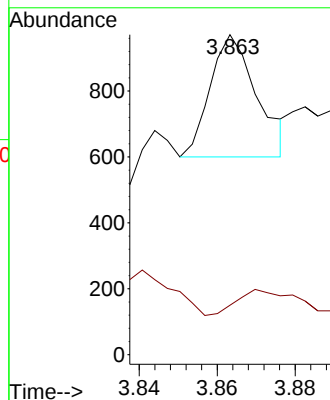
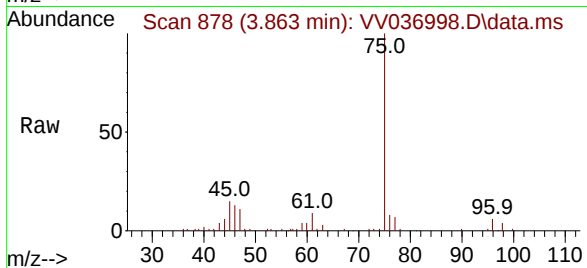
ClientSampleId :

Tgt Ion: 43 Resp: 308

Ion Ratio Lower Upper

43 100

72 26.3 10.7 32.1



#23

Bromochloromethane

Concen: 5.149 ug/L

RT: 4.146 min Scan# 966

Delta R.T. 0.006 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

Tgt Ion:128 Resp: 22170

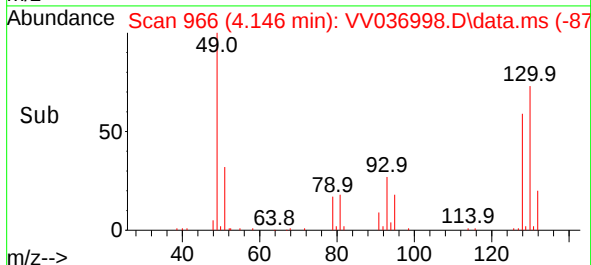
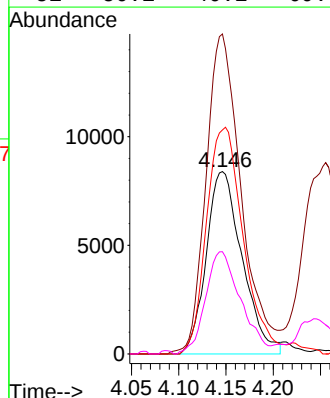
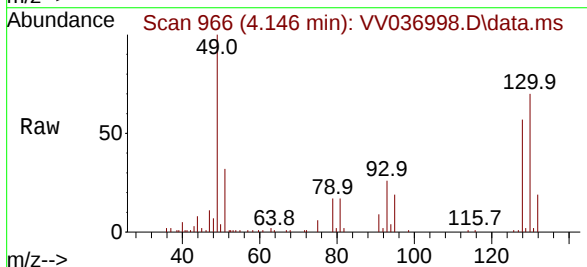
Ion Ratio Lower Upper

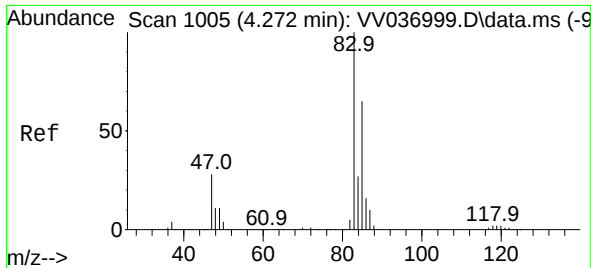
128 100

49 175.4 123.3 229.1

130 122.8 89.7 166.5

51 56.1 46.2 69.4





#25

Chloroform

Concen: 5.241 ug/L

RT: 4.272 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

Instrument :

MSVOA_V

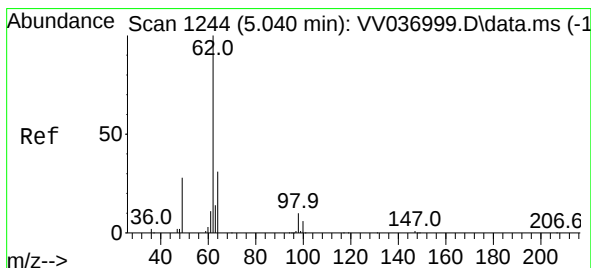
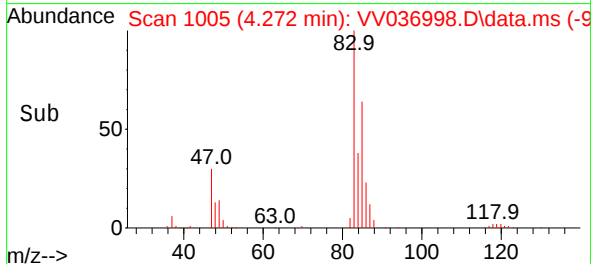
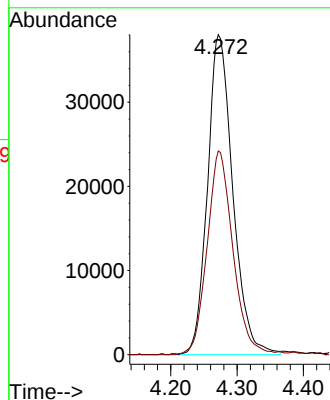
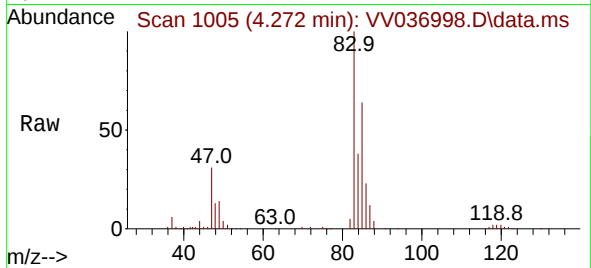
ClientSampleId :

Tgt Ion: 83 Resp: 100874

Ion Ratio Lower Upper

83 100

85 63.7 45.5 84.5



#27

1,2-Dichloroethane

Concen: 4.981 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.003 min

Lab File: VV036998.D

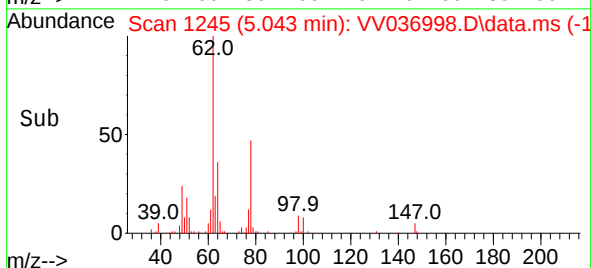
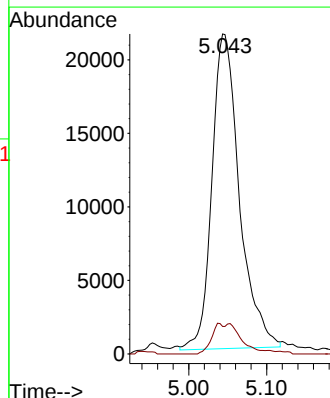
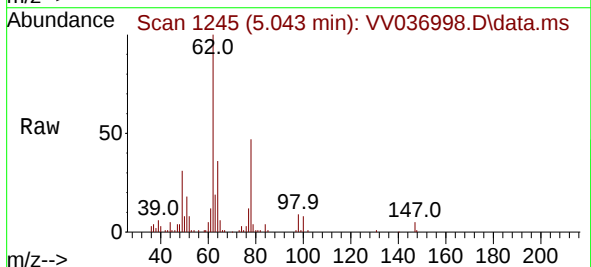
Acq: 22 Aug 2024 09:15

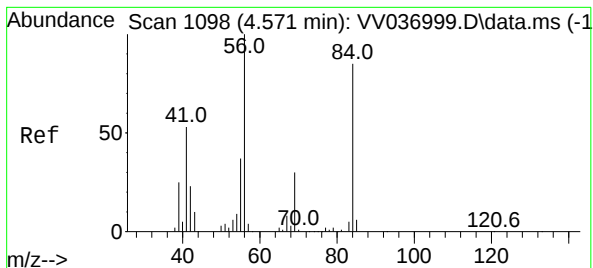
Tgt Ion: 62 Resp: 52429

Ion Ratio Lower Upper

62 100

98 8.6 7.5 11.3





#29

Cyclohexane

Concen: 4.877 ug/L

RT: 4.574 min Scan# 1098

Delta R.T. 0.003 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

Instrument :

MSVOA_V

ClientSampleId :

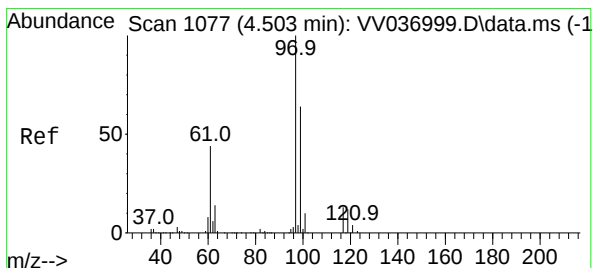
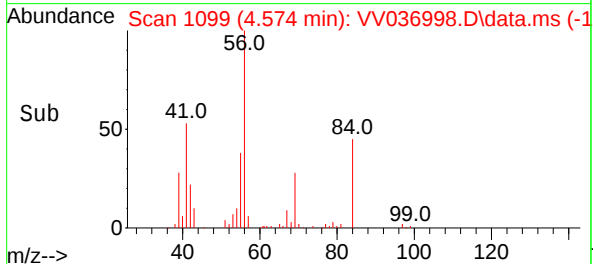
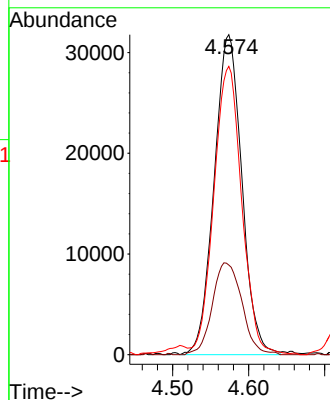
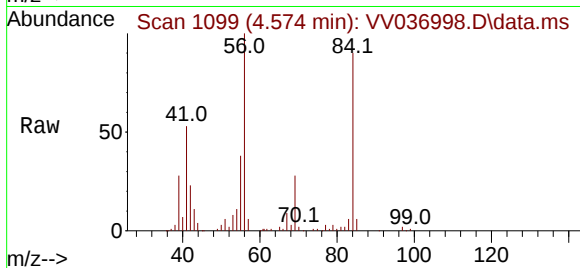
Tgt Ion: 56 Resp: 80450

Ion Ratio Lower Upper

56 100

69 30.4 24.7 37.1

84 89.9 70.0 105.0



#30

1,1,1-Trichloroethane

Concen: 4.983 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. -0.000 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

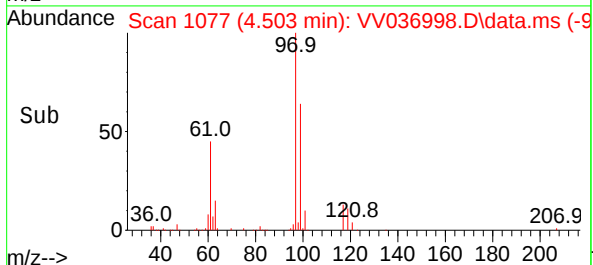
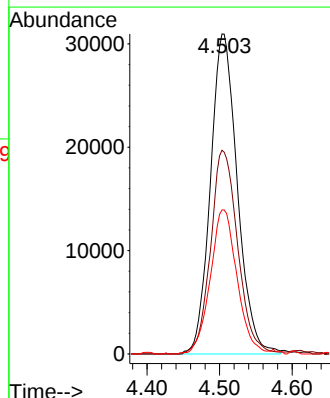
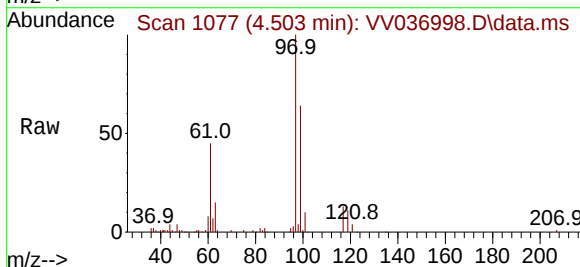
Tgt Ion: 97 Resp: 79905

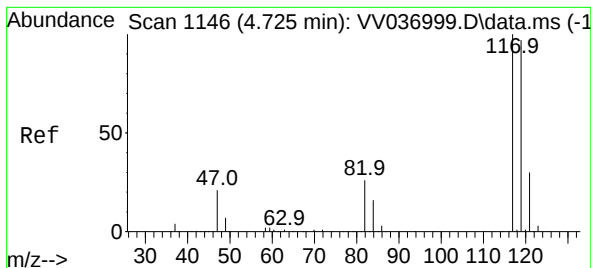
Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.4

61 44.8 35.0 52.6





#31

Carbon tetrachloride

Concen: 4.925 ug/L

RT: 4.728 min Scan# 1146

Delta R.T. 0.003 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

Instrument :

MSVOA_V

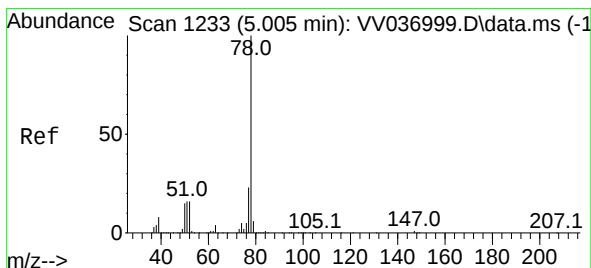
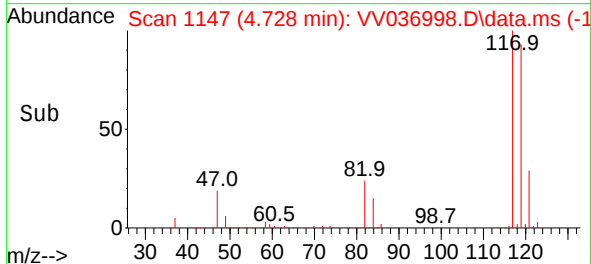
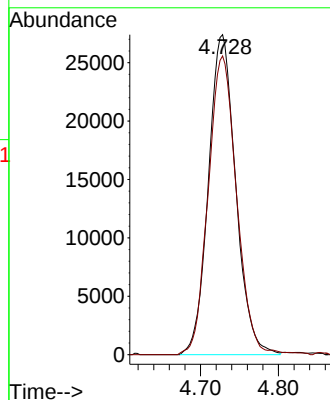
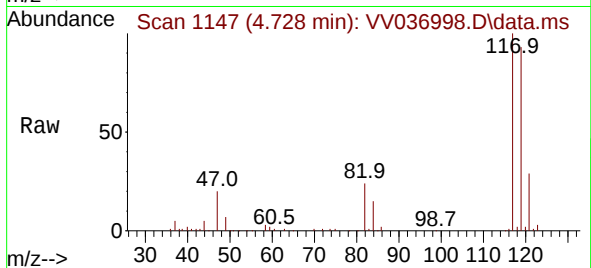
ClientSampleId :

Tgt Ion:117 Resp: 66657

Ion Ratio Lower Upper

117 100

119 96.2 76.6 115.0



#33

Benzene

Concen: 5.122 ug/L

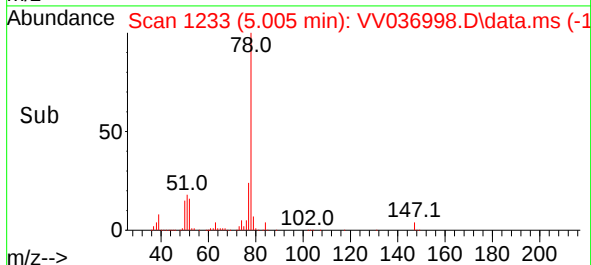
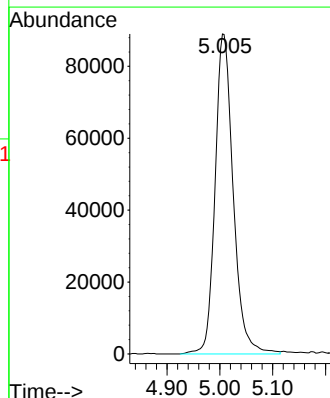
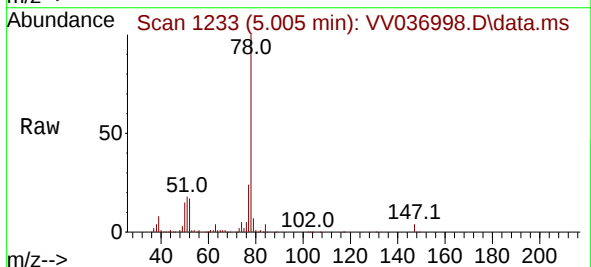
RT: 5.005 min Scan# 1233

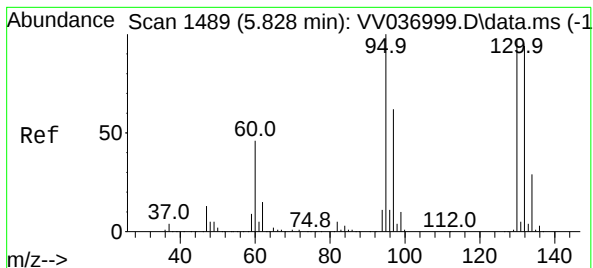
Delta R.T. -0.000 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

Tgt Ion: 78 Resp: 212322





#34

Trichloroethene

Concen: 4.916 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 57531

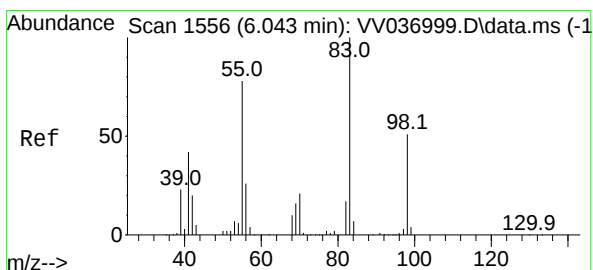
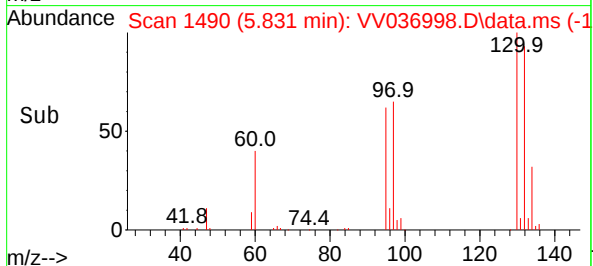
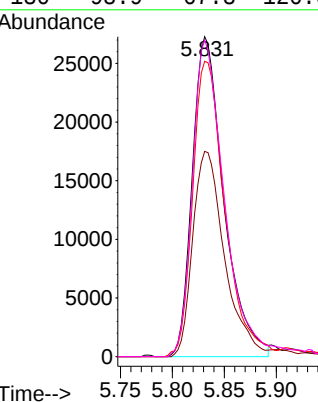
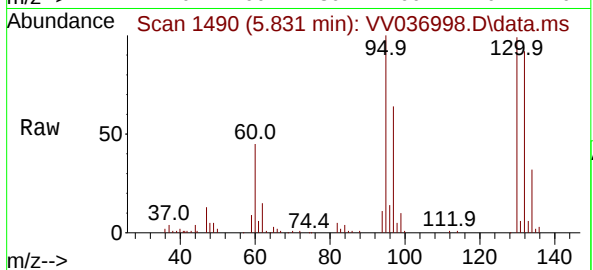
Ion Ratio Lower Upper

95 100

97 64.2 43.5 80.9

132 92.3 66.1 122.7

130 98.9 67.8 126.0



#35

Methylcyclohexane

Concen: 4.844 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

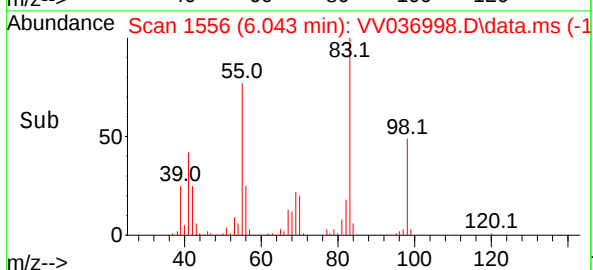
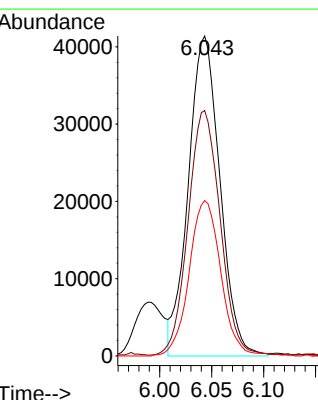
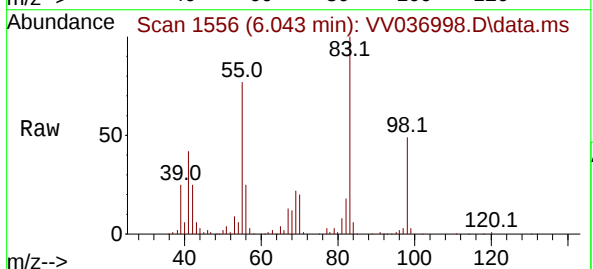
Tgt Ion: 83 Resp: 87651

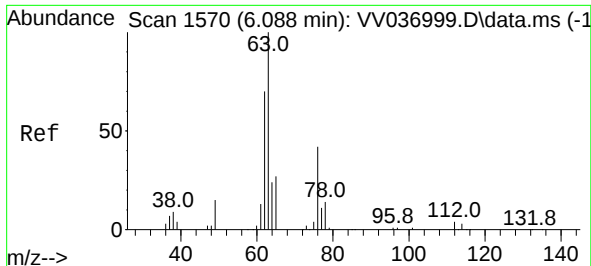
Ion Ratio Lower Upper

83 100

55 77.3 60.9 91.3

98 48.8 39.0 58.6

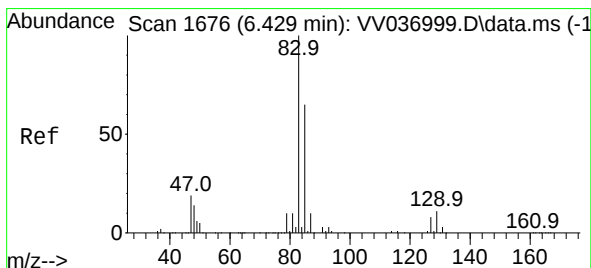
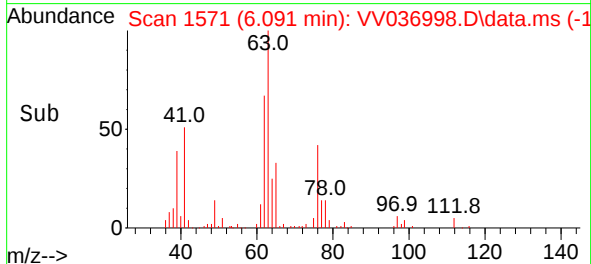
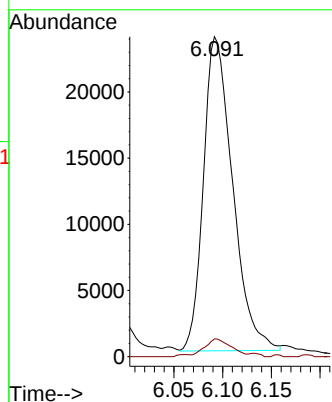
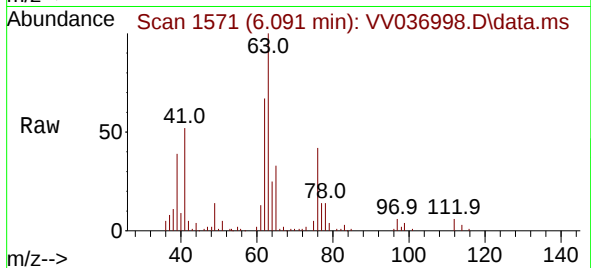




#37
1,2-Dichloropropane
Concen: 4.940 ug/L
RT: 6.091 min Scan# 1570
Delta R.T. 0.003 min
Lab File: VV036998.D
Acq: 22 Aug 2024 09:15

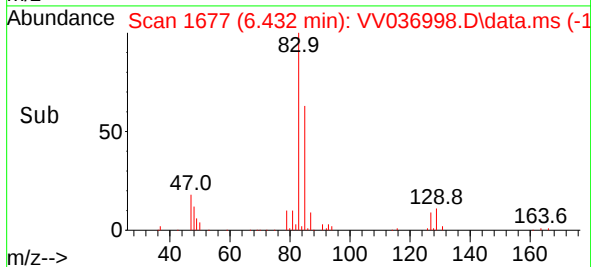
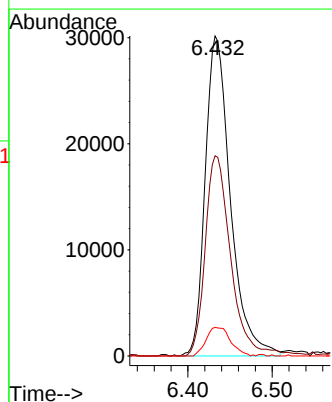
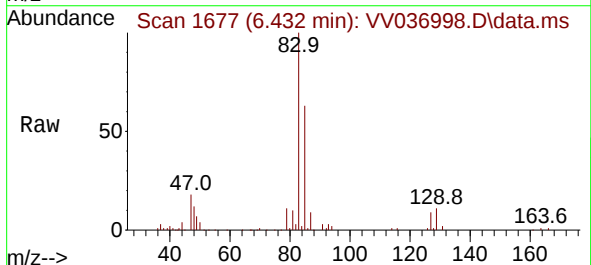
Instrument :
MSVOA_V
ClientSampleId :

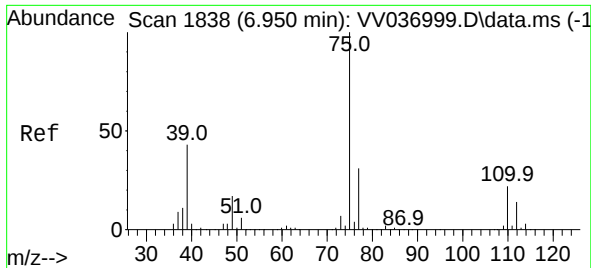
Tgt Ion: 63 Resp: 49476
Ion Ratio Lower Upper
63 100
112 5.1 3.7 5.5



#38
Bromodichloromethane
Concen: 5.044 ug/L
RT: 6.432 min Scan# 1677
Delta R.T. 0.003 min
Lab File: VV036998.D
Acq: 22 Aug 2024 09:15

Tgt Ion: 83 Resp: 62743
Ion Ratio Lower Upper
83 100
85 62.5 45.6 84.6
127 9.0 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 4.627 ug/L

RT: 6.956 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

Instrument :

MSVOA_V

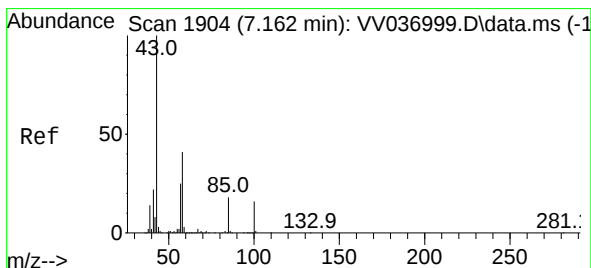
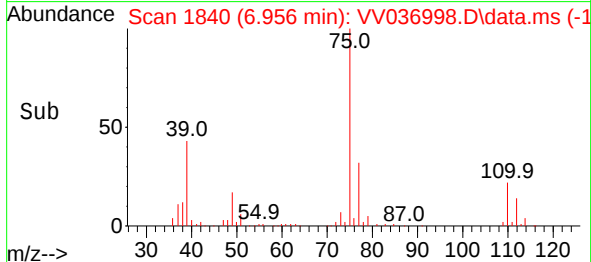
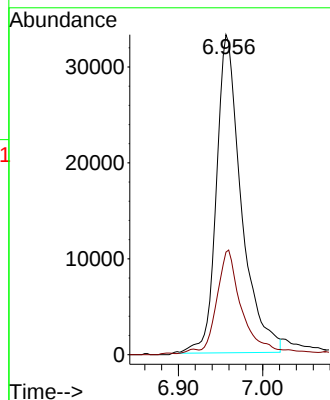
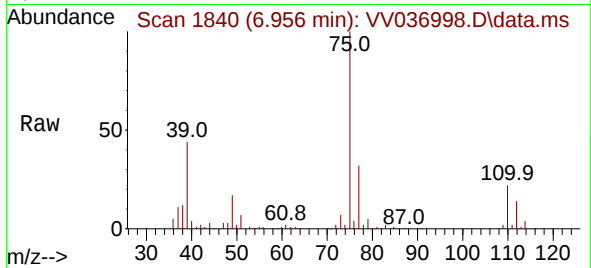
ClientSampleId :

Tgt Ion: 75 Resp: 68051

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 10.008 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.010 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

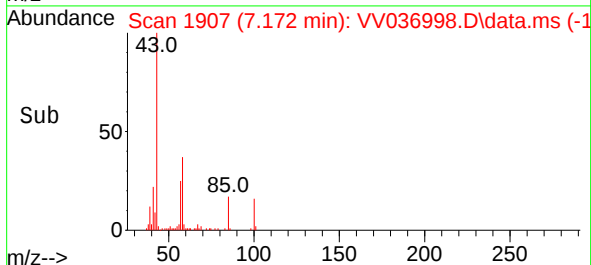
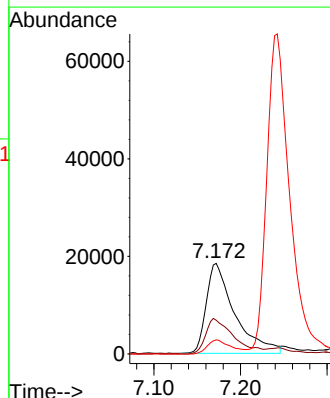
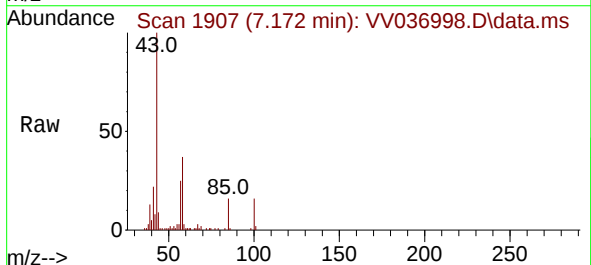
Tgt Ion: 43 Resp: 42214

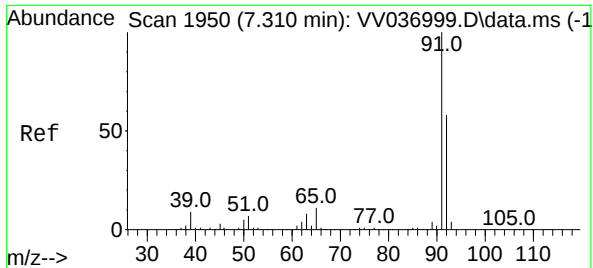
Ion Ratio Lower Upper

43 100

58 36.4 31.1 46.7

100 13.3 12.1 18.1





#42

Toluene

Concen: 4.902 ug/L

RT: 7.313 min Scan# 1950

Delta R.T. 0.003 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

Instrument :

MSVOA_V

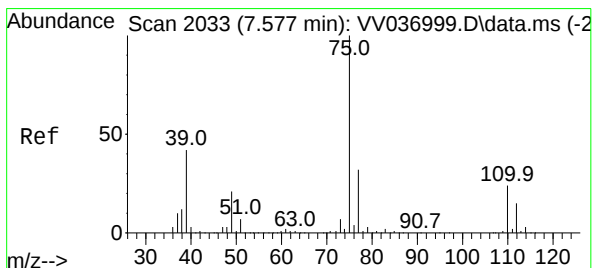
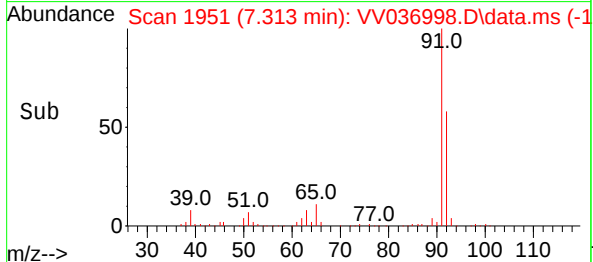
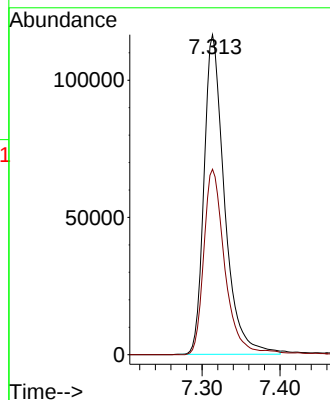
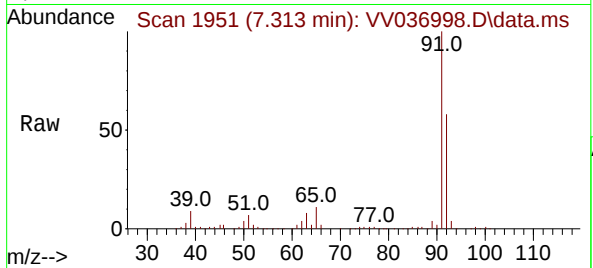
ClientSampleId :

Tgt Ion: 91 Resp: 212900

Ion Ratio Lower Upper

91 100

92 58.0 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.668 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.010 min

Lab File: VV036998.D

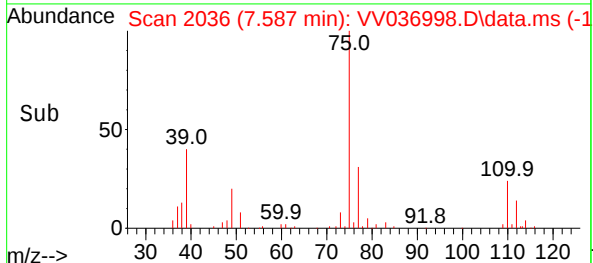
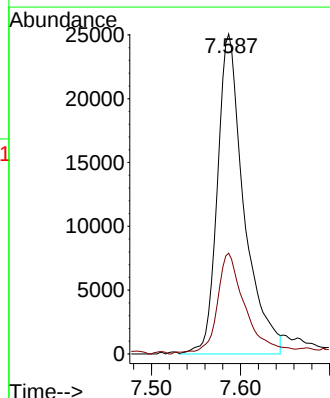
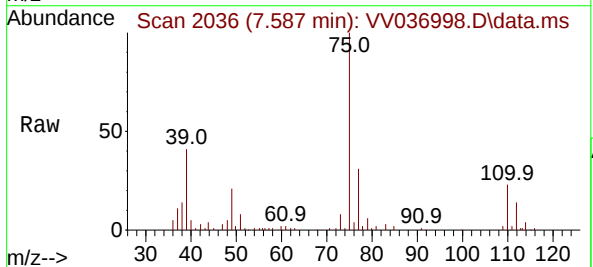
Acq: 22 Aug 2024 09:15

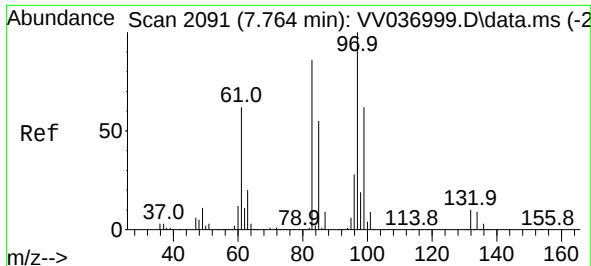
Tgt Ion: 75 Resp: 51940

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.5

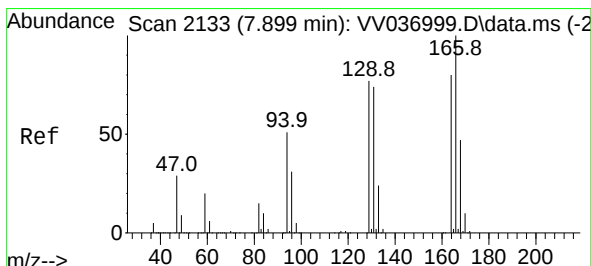
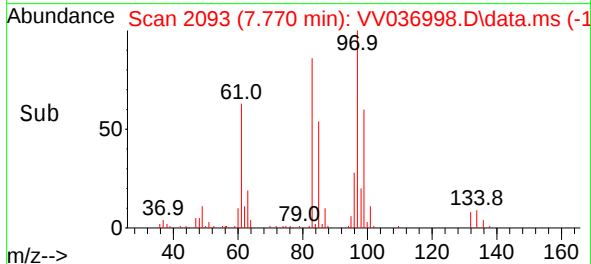
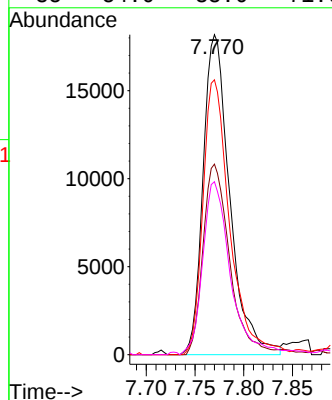
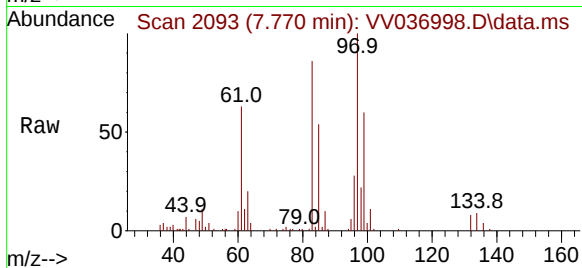




#45
1,1,2-Trichloroethane
Concen: 5.275 ug/L
RT: 7.770 min Scan# 2091
Delta R.T. 0.006 min
Lab File: VV036998.D
Acq: 22 Aug 2024 09:15

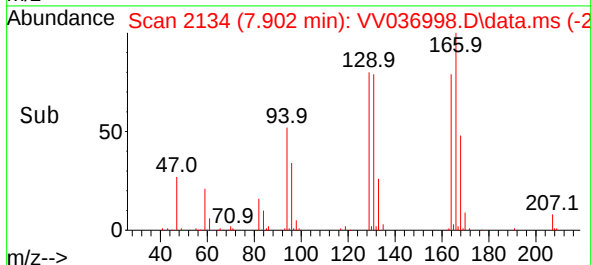
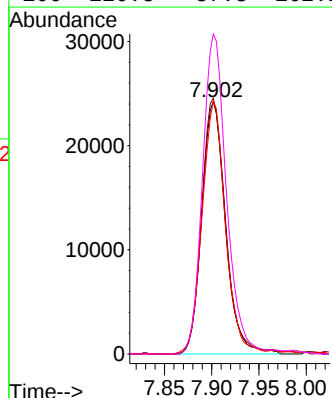
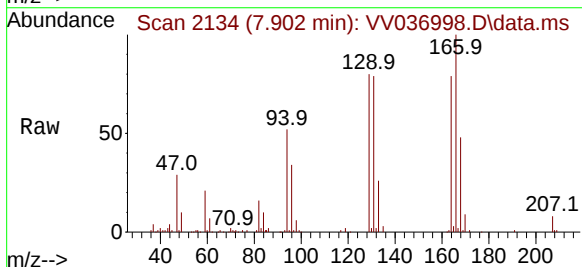
Instrument :
MSVOA_V
ClientSampleId :

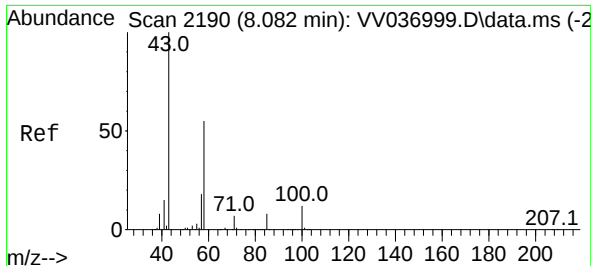
Tgt Ion:	97	Resp:	34668
Ion	Ratio	Lower	Upper
97	100		
99	59.5	43.5	80.9
83	85.9	60.3	111.9
85	54.0	38.6	71.6



#46
Tetrachloroethene
Concen: 5.144 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.003 min
Lab File: VV036998.D
Acq: 22 Aug 2024 09:15

Tgt Ion:	164	Resp:	42560
Ion	Ratio	Lower	Upper
164	100		
129	101.3	67.3	124.9
131	100.1	64.8	120.3
166	126.8	87.3	162.1





#48

2-Hexanone

Concen: 8.932 ug/L

RT: 8.098 min Scan# 2195

Delta R.T. 0.016 min

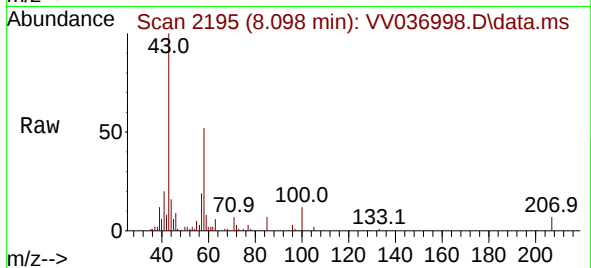
Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 26229

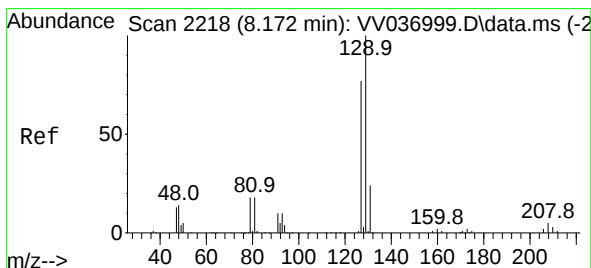
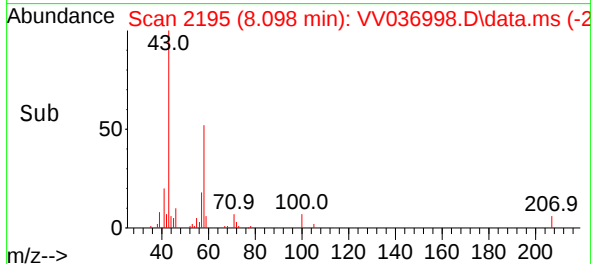
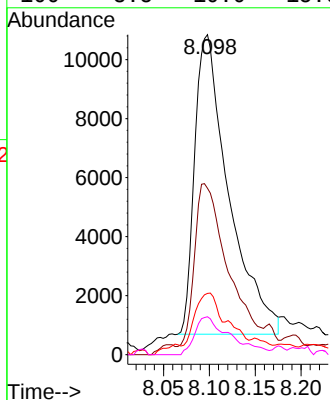
Ion Ratio Lower Upper

43 100

58 55.9 47.9 71.9

57 11.7 15.1 22.7#

100 8.5 10.0 15.0#



#49

Dibromochloromethane

Concen: 5.028 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.003 min

Lab File: VV036998.D

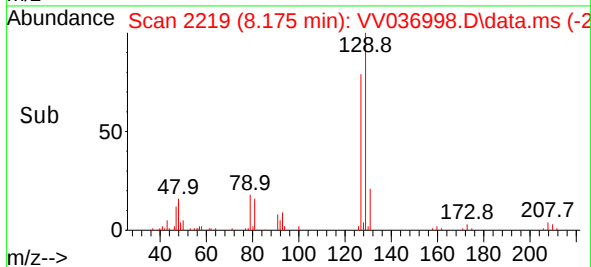
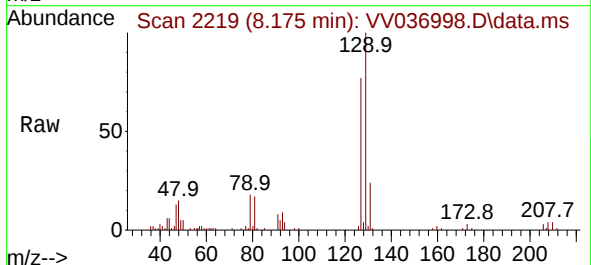
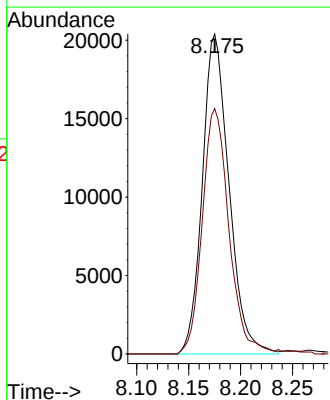
Acq: 22 Aug 2024 09:15

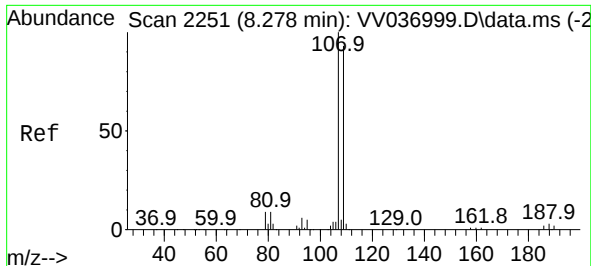
Tgt Ion: 129 Resp: 36353

Ion Ratio Lower Upper

129 100

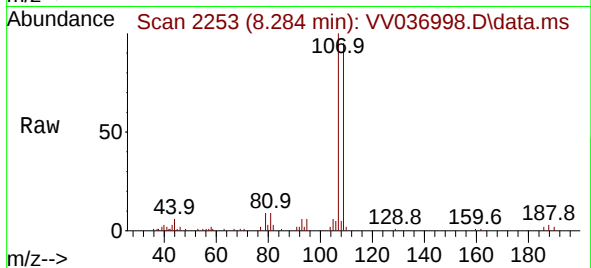
127 76.7 53.5 99.5



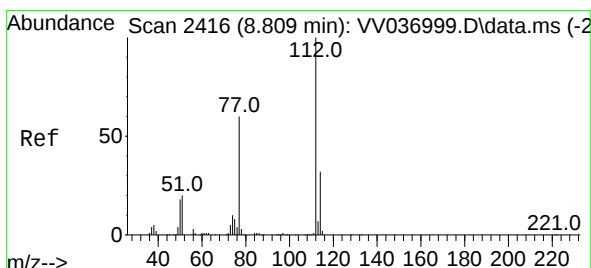
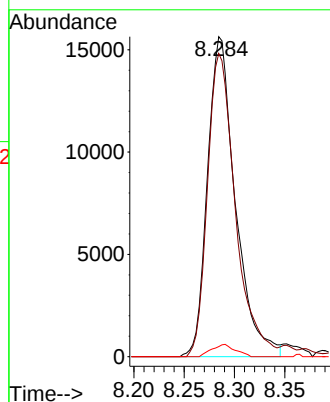
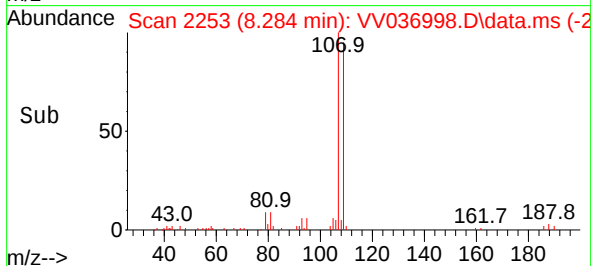


#50
1,2-Dibromoethane
Concen: 5.089 ug/L
RT: 8.284 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV036998.D
Acq: 22 Aug 2024 09:15

Instrument :
MSVOA_V
ClientSampleId :

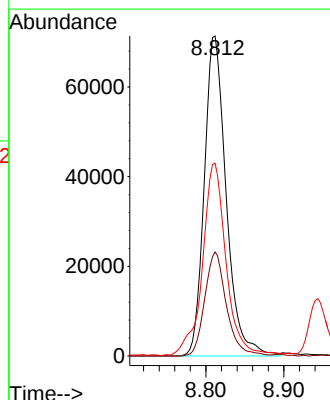
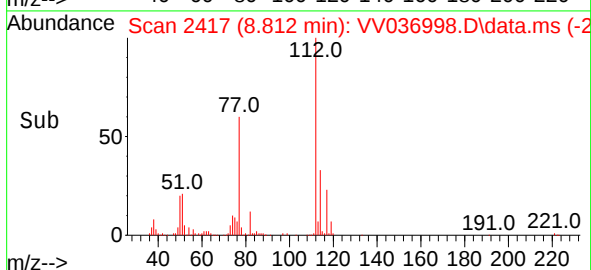
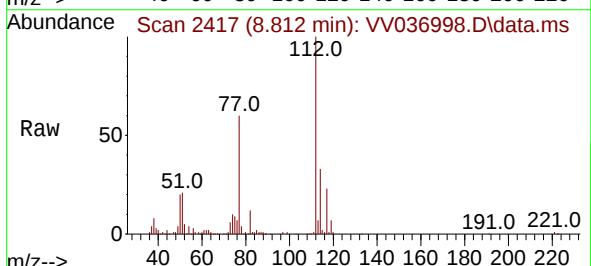


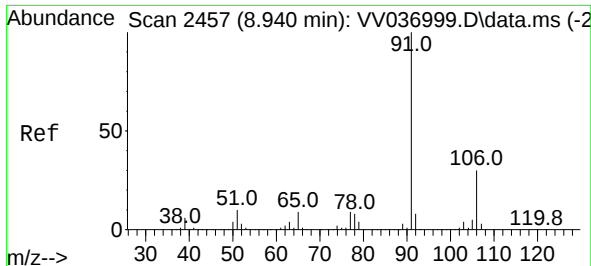
Tgt Ion:107 Resp: 30183
Ion Ratio Lower Upper
107 100
109 94.7 64.9 120.5
188 3.1 2.4 3.6



#51
Chlorobenzene
Concen: 5.036 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV036998.D
Acq: 22 Aug 2024 09:15

Tgt Ion:112 Resp: 139680
Ion Ratio Lower Upper
112 100
114 32.5 22.7 42.3
77 60.3 48.2 72.2





#52

Ethylbenzene

Concen: 4.881 ug/L

RT: 8.943 min Scan# 2457

Delta R.T. 0.003 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

Instrument :

MSVOA_V

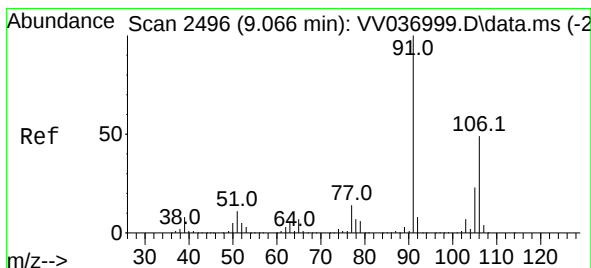
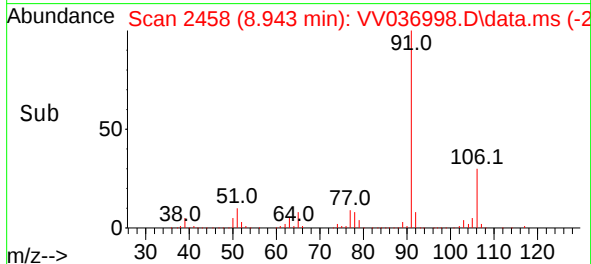
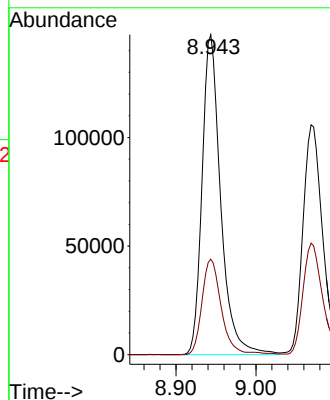
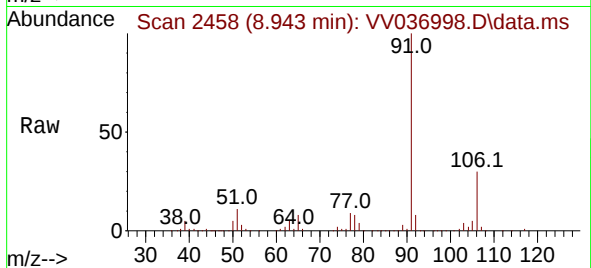
ClientSampleId :

Tgt Ion: 91 Resp: 239036

Ion Ratio Lower Upper

91 100

106 29.9 21.3 39.5



#53

m,p-Xylene

Concen: 4.833 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.003 min

Lab File: VV036998.D

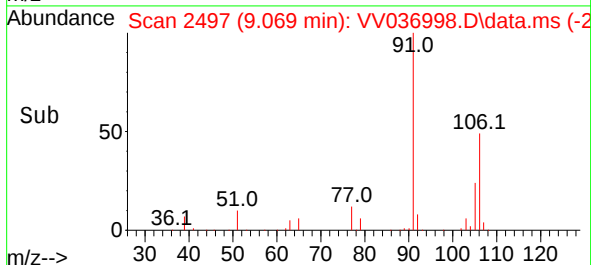
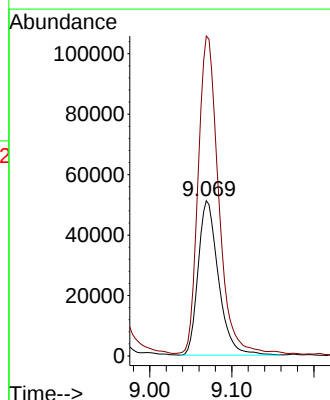
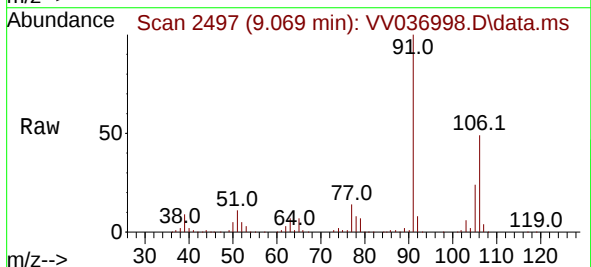
Acq: 22 Aug 2024 09:15

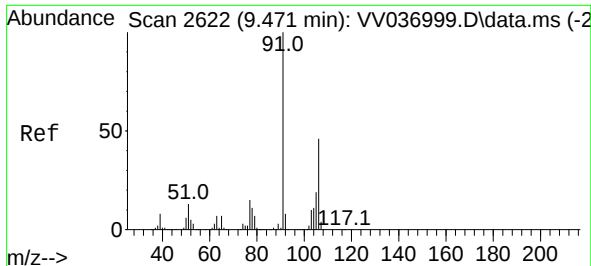
Tgt Ion:106 Resp: 87944

Ion Ratio Lower Upper

106 100

91 206.1 142.4 264.4

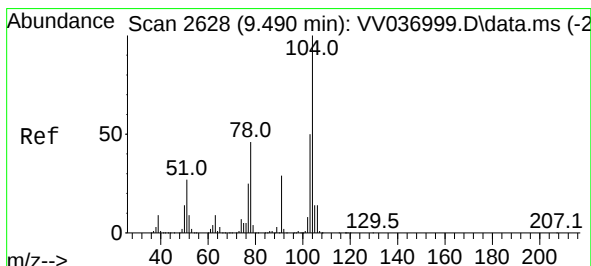
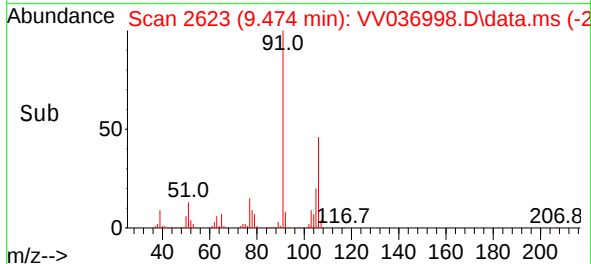
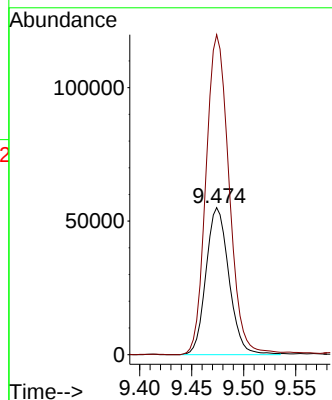
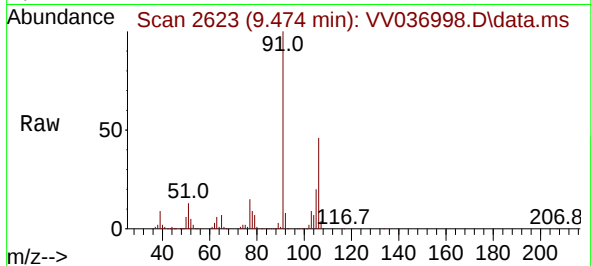




#54
o-Xylene
Concen: 4.875 ug/L
RT: 9.474 min Scan# 2622
Delta R.T. 0.003 min
Lab File: VV036998.D
Acq: 22 Aug 2024 09:15

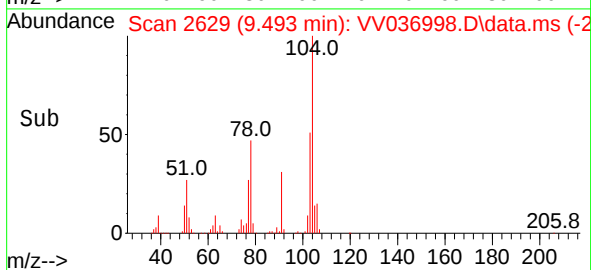
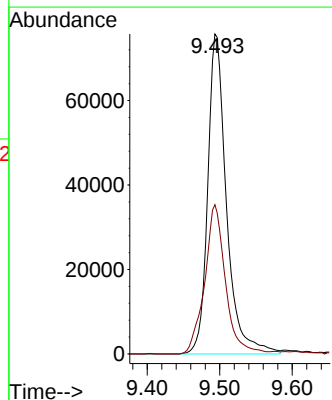
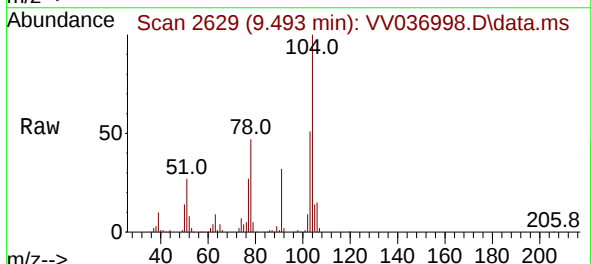
Instrument :
MSVOA_V
ClientSampleId :

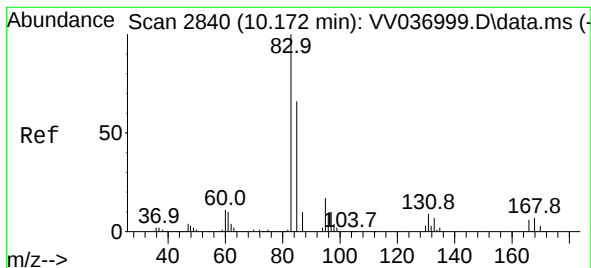
Tgt Ion:106 Resp: 84729
Ion Ratio Lower Upper
106 100
91 217.6 152.8 283.8



#55
Styrene
Concen: 4.748 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.003 min
Lab File: VV036998.D
Acq: 22 Aug 2024 09:15

Tgt Ion:104 Resp: 136214
Ion Ratio Lower Upper
104 100
78 46.6 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.283 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.003 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

Instrument :

MSVOA_V

ClientSampleId :

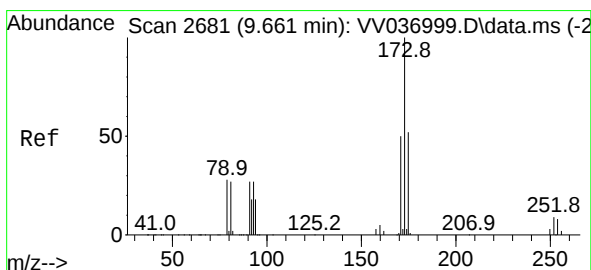
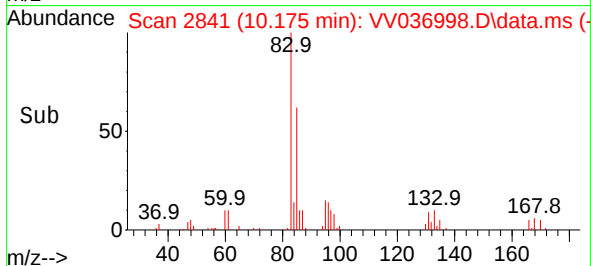
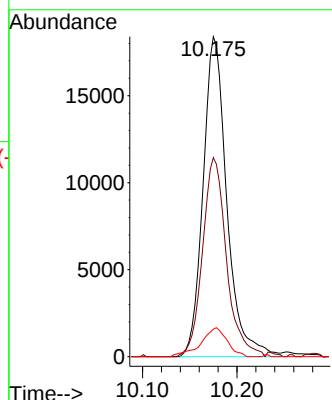
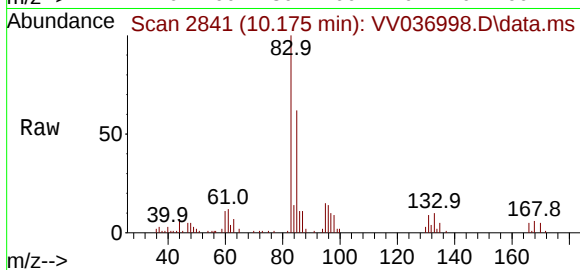
Tgt Ion: 83 Resp: 32142

Ion Ratio Lower Upper

83 100

85 62.2 46.4 86.2

131 8.6 7.6 11.4



#59

Bromoform

Concen: 4.763 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. 0.006 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

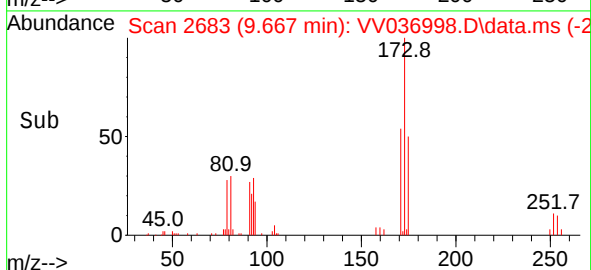
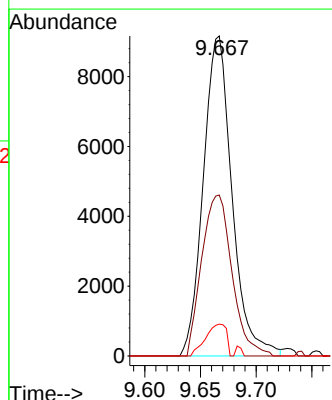
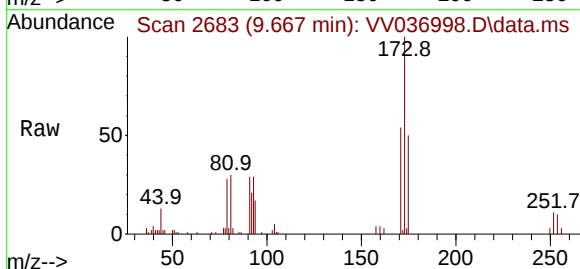
Tgt Ion: 173 Resp: 16438

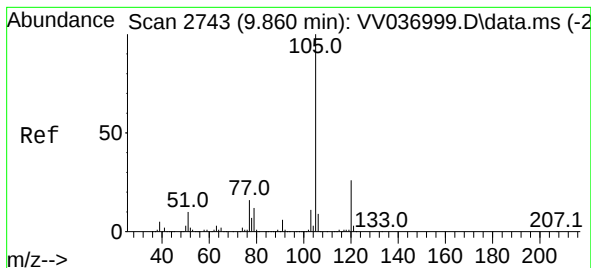
Ion Ratio Lower Upper

173 100

175 53.0 40.1 60.1

254 7.2 6.2 9.4





#60

Isopropylbenzene

Concen: 4.885 ug/L

RT: 9.863 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

Instrument :

MSVOA_V

ClientSampleId :

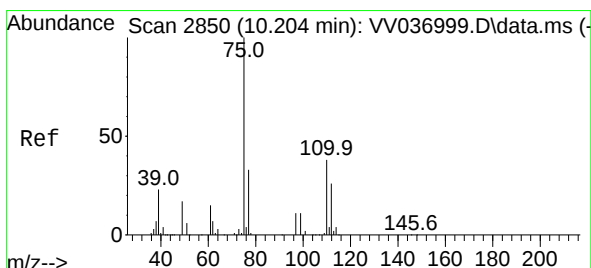
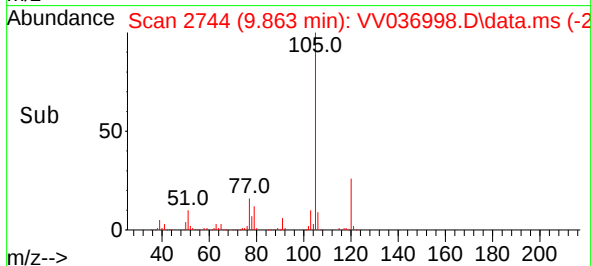
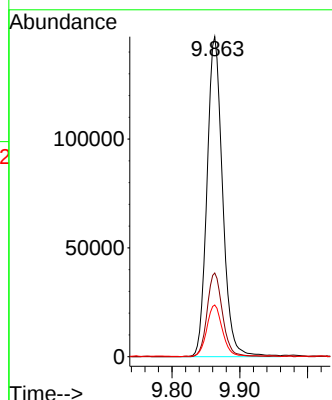
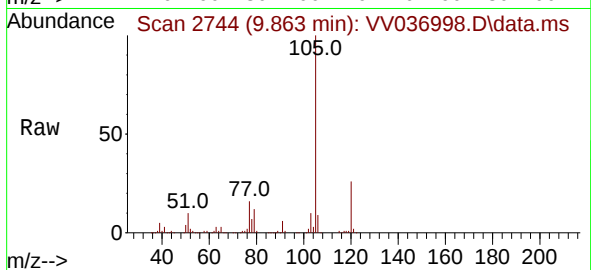
Tgt Ion:105 Resp: 234740

Ion Ratio Lower Upper

105 100

120 25.8 20.8 31.2

77 16.0 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 5.203 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.003 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

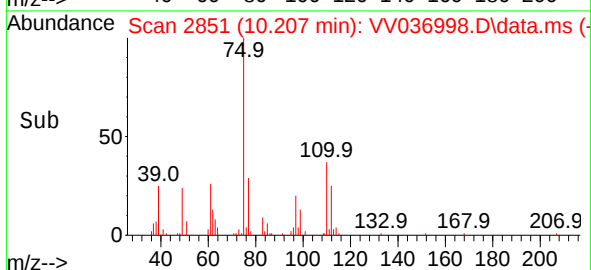
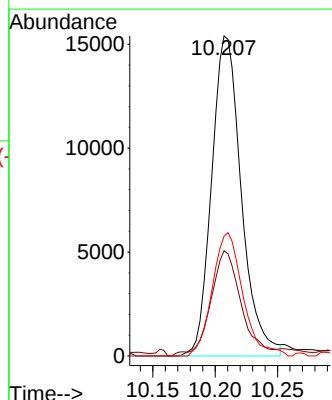
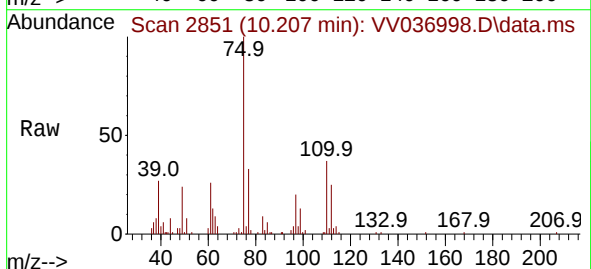
Tgt Ion: 75 Resp: 25567

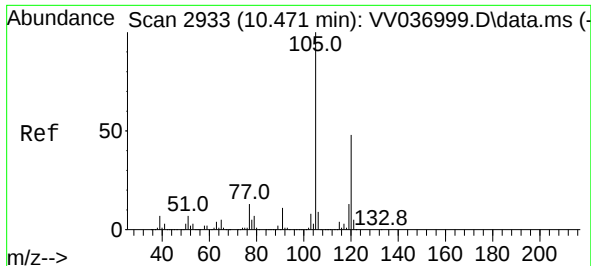
Ion Ratio Lower Upper

75 100

77 30.1 25.5 38.3

110 39.4 31.0 46.4





#62

1,3,5-Trimethylbenzene

Concen: 4.772 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. -0.000 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

Instrument :

MSVOA_V

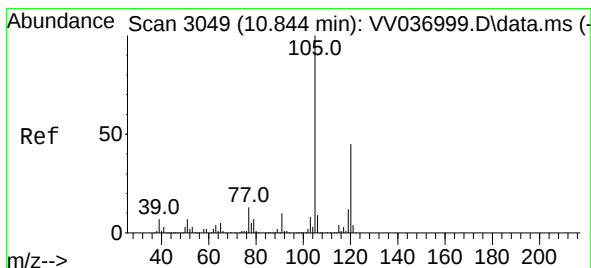
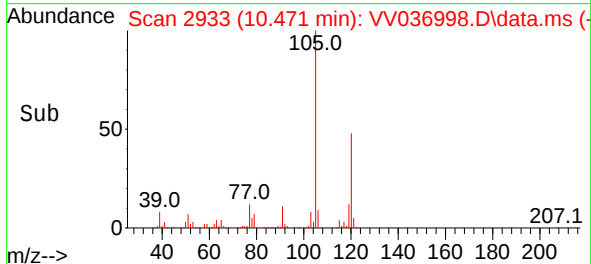
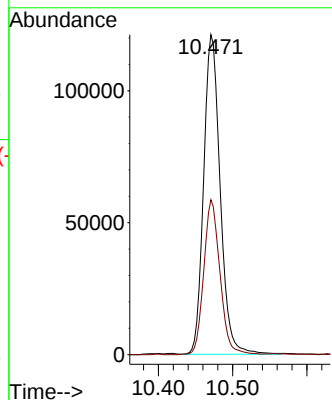
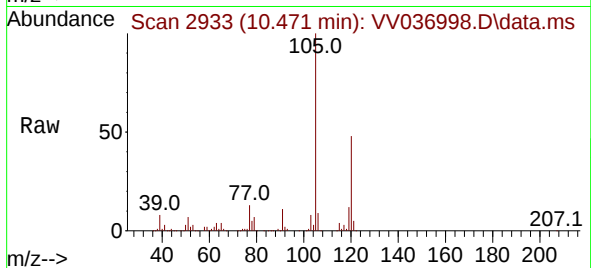
ClientSampleId :

Tgt Ion:105 Resp: 187709

Ion Ratio Lower Upper

105 100

120 47.0 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 4.741 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VV036998.D

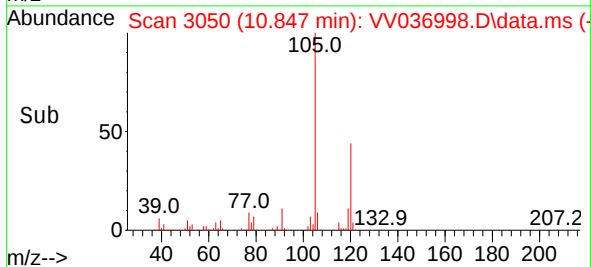
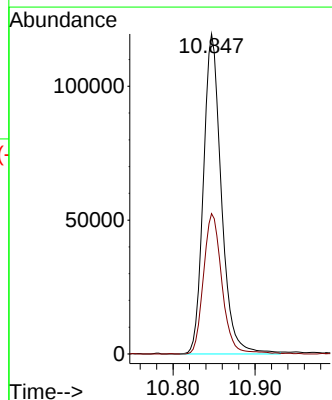
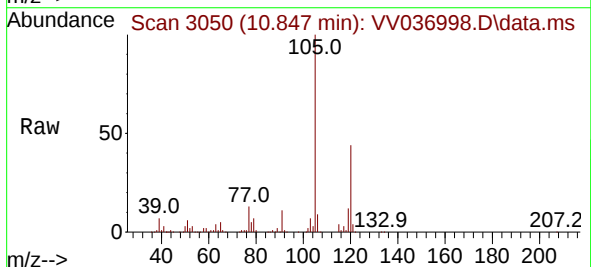
Acq: 22 Aug 2024 09:15

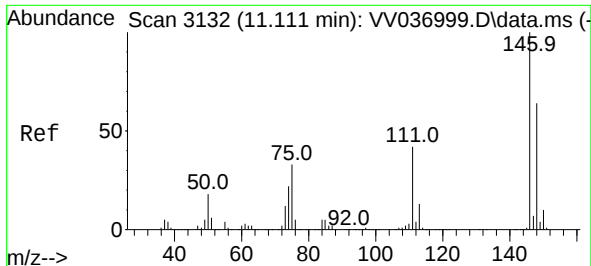
Tgt Ion:105 Resp: 181782

Ion Ratio Lower Upper

105 100

120 45.1 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 5.011 ug/L

RT: 11.114 min Scan# 3132

Delta R.T. 0.003 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

Instrument :

MSVOA_V

ClientSampleId :

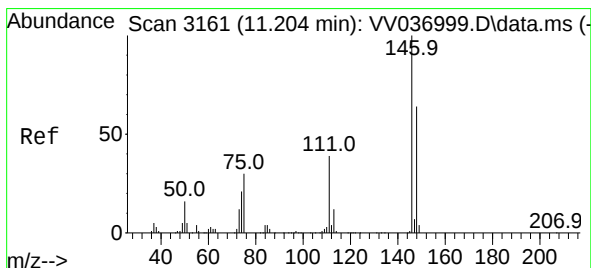
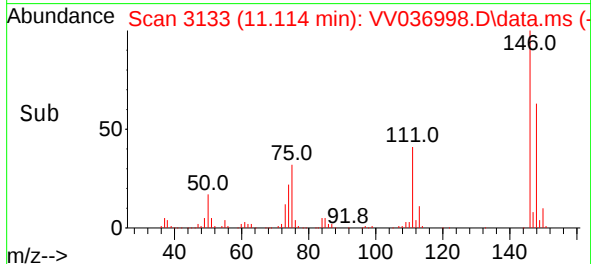
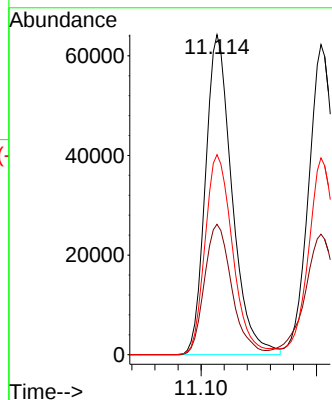
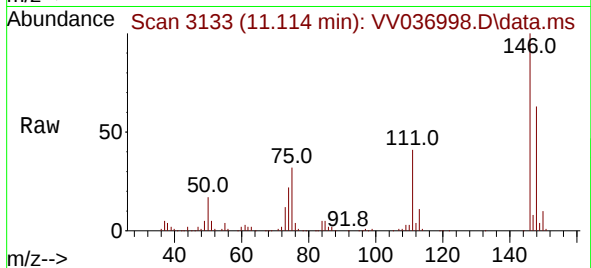
Tgt Ion:146 Resp: 102898

Ion Ratio Lower Upper

146 100

111 40.8 29.5 54.9

148 62.5 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 5.201 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.000 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

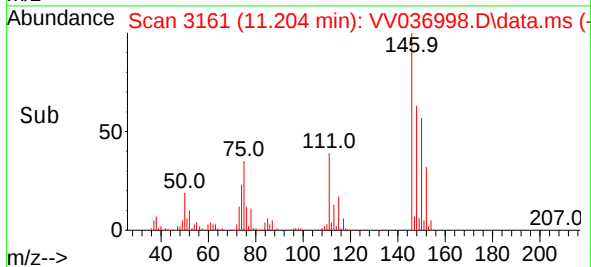
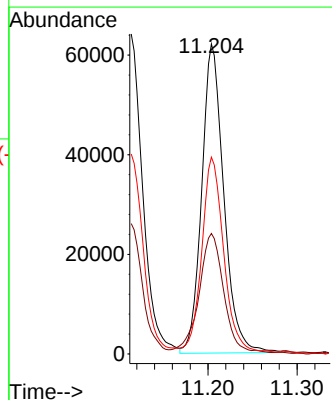
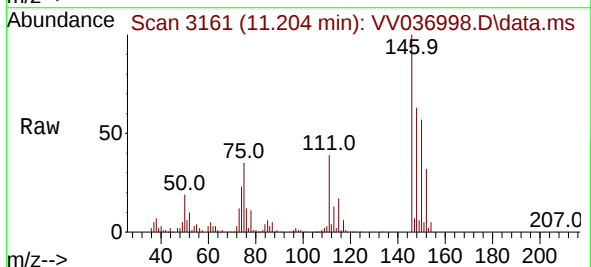
Tgt Ion:146 Resp: 106688

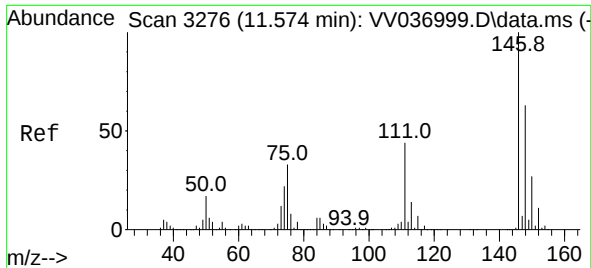
Ion Ratio Lower Upper

146 100

111 38.8 27.6 51.4

148 63.4 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 5.025 ug/L

RT: 11.574 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

Instrument :

MSVOA_V

ClientSampleId :

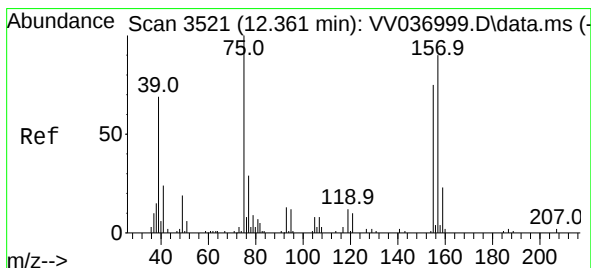
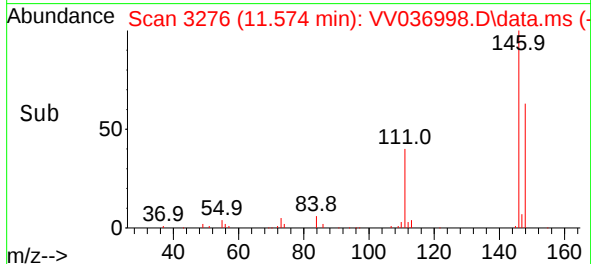
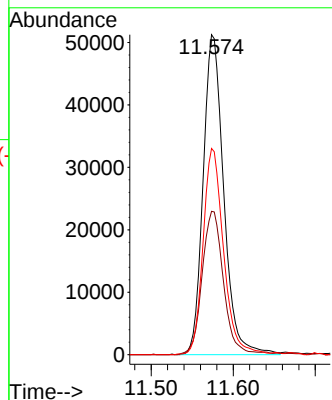
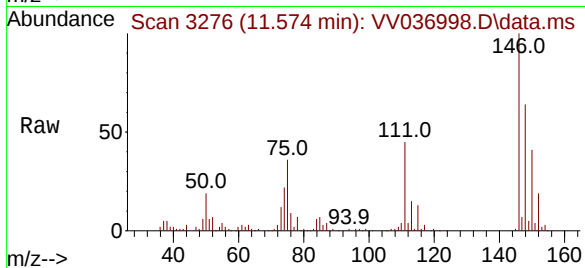
Tgt Ion:146 Resp: 89404

Ion Ratio Lower Upper

146 100

111 44.8 35.4 53.0

148 64.4 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.749 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.003 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

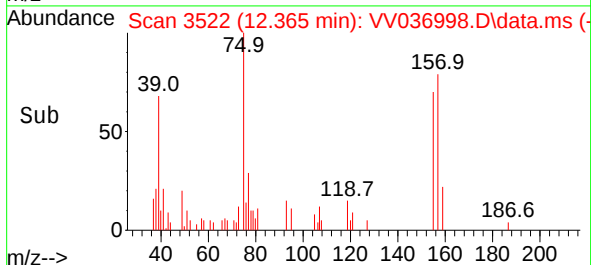
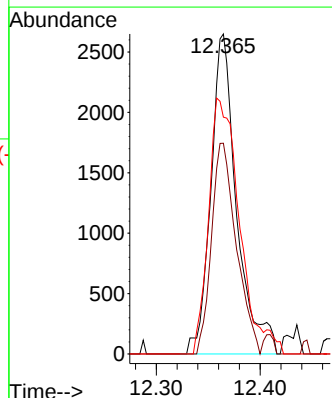
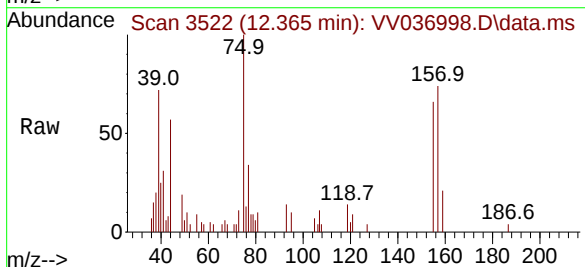
Tgt Ion: 75 Resp: 4568

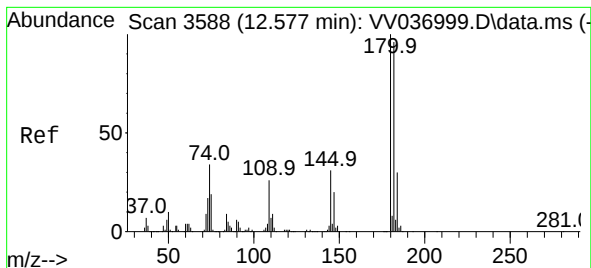
Ion Ratio Lower Upper

75 100

155 65.8 59.9 89.9

157 74.0 72.2 108.2





#69

1,3,5-Trichlorobenzene

Concen: 4.986 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.003 min

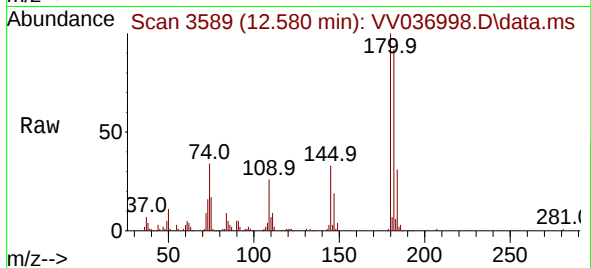
Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 71350

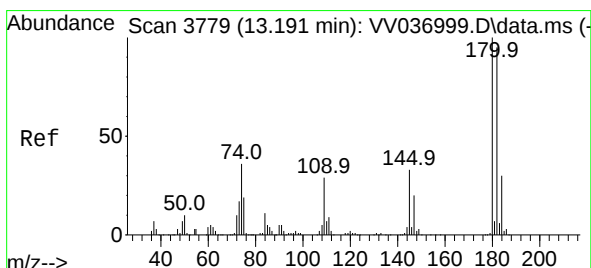
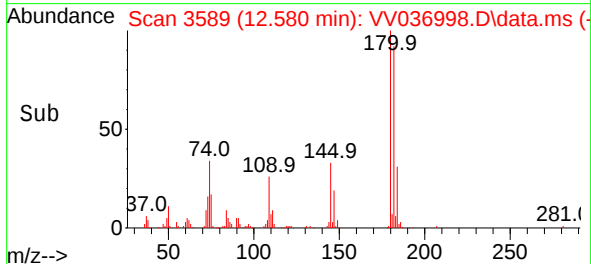
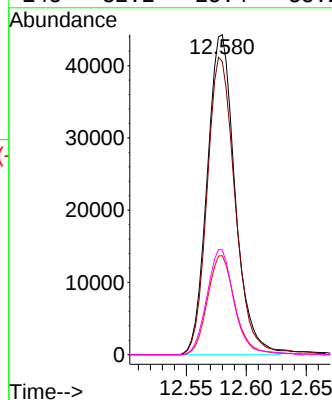
Ion Ratio Lower Upper

180 100

182 93.9 76.4 114.6

184 30.8 24.2 36.4

145 32.2 25.4 38.2



#70

1,2,4-trichlorobenzene

Concen: 4.924 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.003 min

Lab File: VV036998.D

Acq: 22 Aug 2024 09:15

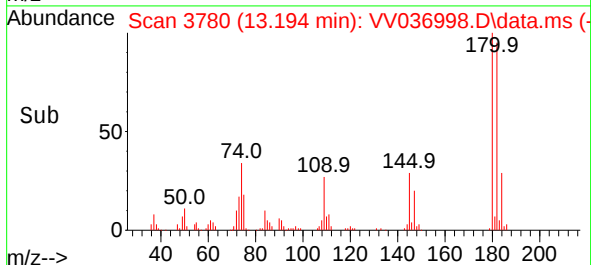
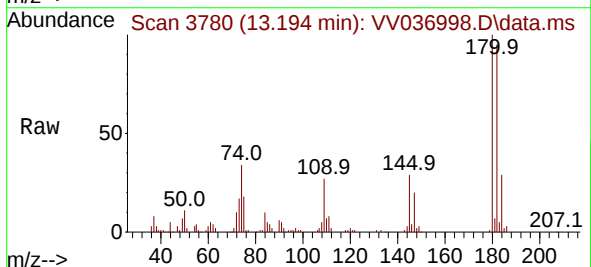
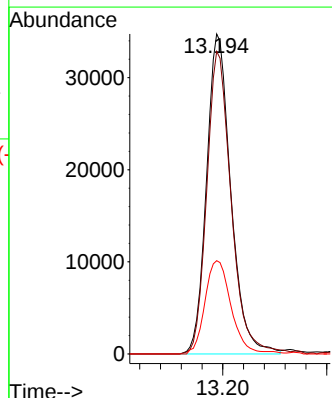
Tgt Ion:180 Resp: 56394

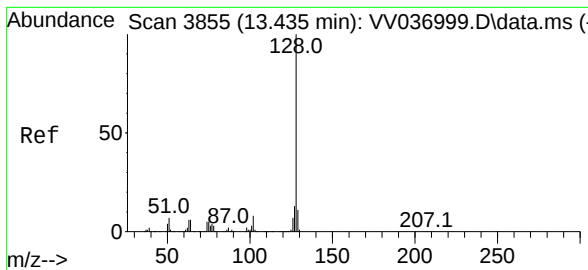
Ion Ratio Lower Upper

180 100

182 94.8 76.0 114.0

145 31.0 25.8 38.6

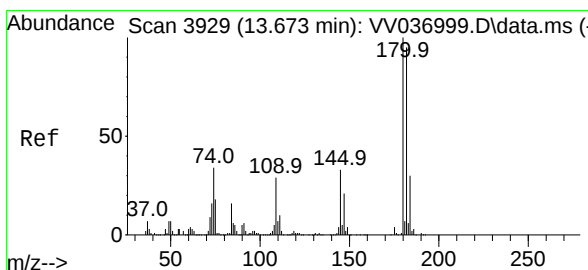
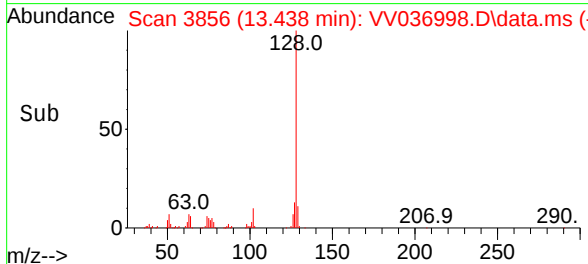
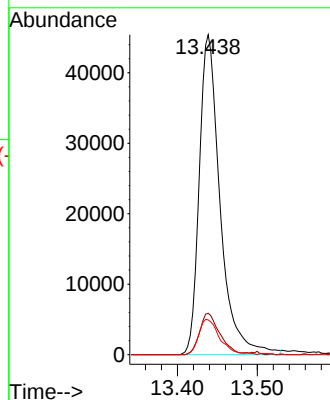
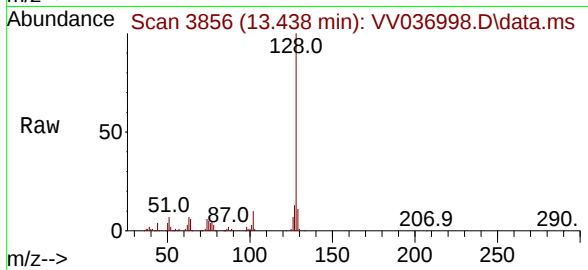




#71
Naphthalene
Concen: 4.782 ug/L
RT: 13.438 min Scan# 3855
Delta R.T. 0.003 min
Lab File: VV036998.D
Acq: 22 Aug 2024 09:15

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 82492
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 10.9 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 4.997 ug/L
RT: 13.676 min Scan# 3930
Delta R.T. 0.003 min
Lab File: VV036998.D
Acq: 22 Aug 2024 09:15

Tgt Ion:180 Resp: 47380
Ion Ratio Lower Upper
180 100
182 92.1 76.2 114.4
145 35.1 26.6 40.0

