

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
 Data File : VV036080.D
 Acq On : 13 Jun 2024 23:22
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 14 03:10:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 14 02:40:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	410324	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	416112	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	221145	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	139214	18.454	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.800%
7) Chloroethane-d5	1.526	69	127600	21.213	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.840%
11) 1,1-Dichloroethene-d2	2.050	65	63903	19.028	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.120%
21) 2-Butanone-d5	4.056	46	338	0.195	ug/L	0.22
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.400%#
24) Chloroform-d	4.243	84	324324	24.862	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.440%
26) 1,2-Dichloroethane-d4	4.937	65	176655	25.828	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.320%
32) Benzene-d6	4.953	84	602417	24.355	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.440%
36) 1,2-Dichloropropane-d6	5.986	67	200393	25.727	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.920%
41) Toluene-d8	7.239	98	532895	24.418	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.680%
43) trans-1,3-Dichloroprop...	7.551	79	82711	25.898	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.600%
47) 2-Hexanone-d5	8.027	63	80360	76.147	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	152.300%#
56) 1,1,2,2-Tetrachloroeth...	10.149	84	172186	29.582	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.320%
66) 1,2-Dichlorobenzene-d4	11.558	152	204227	25.183	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	125292	16.935	ug/L	99
3) Chloromethane	1.211	50	179075	21.091	ug/L	99
5) Vinyl chloride	1.275	62	193283	21.623	ug/L	99
6) Bromomethane	1.481	94	122403	22.073	ug/L	99
8) Chloroethane	1.542	64	131774	23.717	ug/L	100
9) Trichlorofluoromethane	1.706	101	243161	21.905	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	163187	23.163	ug/L	98
12) 1,1-Dichloroethene	2.060	96	156776	23.860	ug/L	95
13) Acetone	2.384	43	87261	32.365	ug/L	69
14) Carbon disulfide	2.233	76	454241	19.907	ug/L	100
15) Methyl Acetate	2.384	43	91454	27.290	ug/L	96
16) Methylene chloride	2.439	84	211154	22.742	ug/L	100
17) trans-1,2-Dichloroethene	2.687	96	167328	23.973	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	469589	29.968	ug/L	100
19) 1,1-Dichloroethane	3.105	63	338488	25.465	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	187970	26.801	ug/L	99
22) 2-Butanone	3.908	43	105428	46.084	ug/L #	80
23) Bromochloromethane	4.143	128	96095	27.315	ug/L	98
25) Chloroform	4.269	83	354943	25.959	ug/L	99

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 QLast Update : Fri Jun 14 02:40:50 2024
 Response via : Initial Calibration

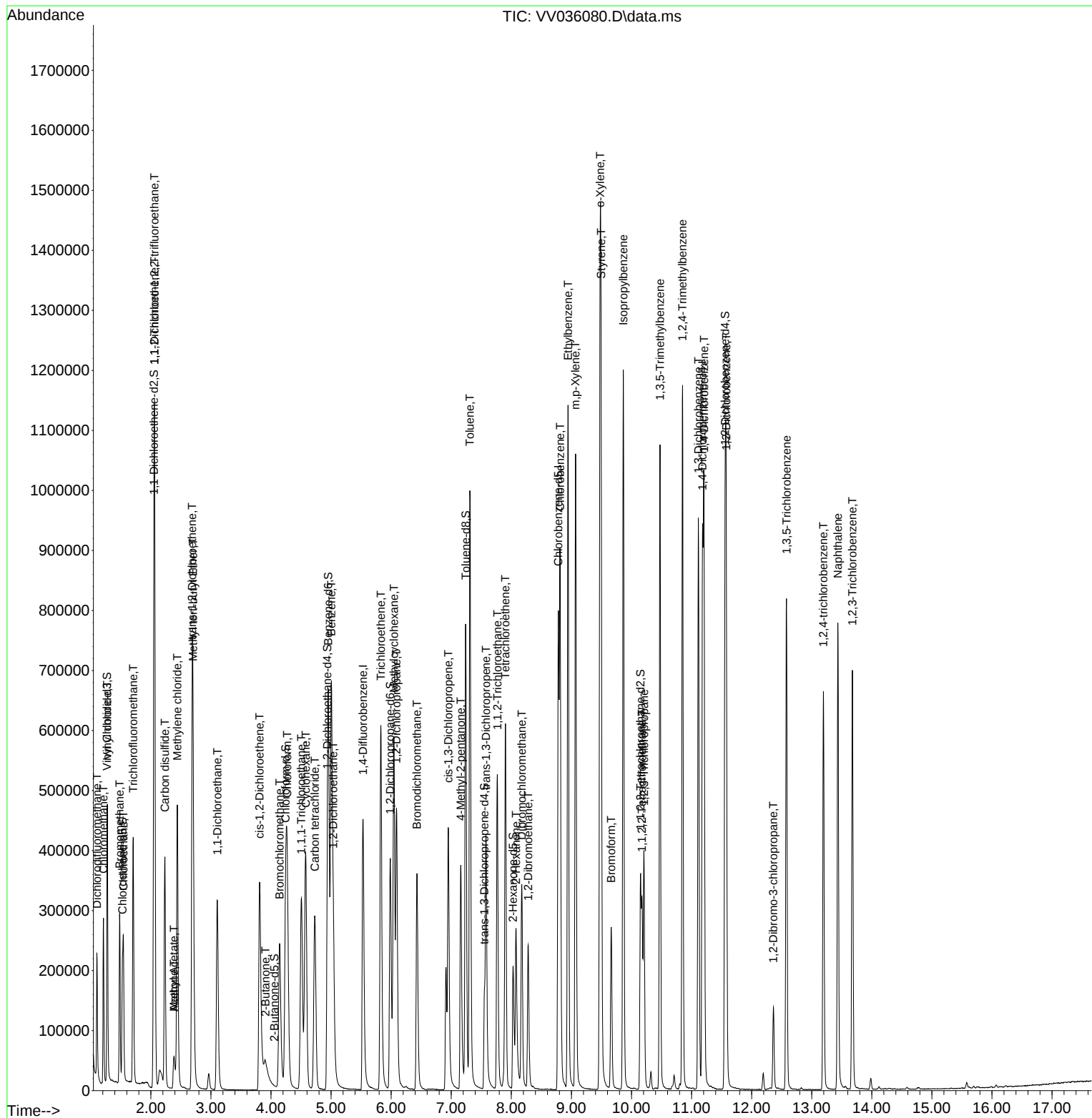
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	240099	28.126	ug/L	100
29) Cyclohexane	4.577	56	219013	22.106	ug/L	99
30) 1,1,1-Trichloroethane	4.507	97	273415	24.035	ug/L	99
31) Carbon tetrachloride	4.728	117	230194	23.066	ug/L	99
33) Benzene	5.005	78	716243	26.318	ug/L	100
34) Trichloroethene	5.828	95	217126	26.031	ug/L	99
35) Methylcyclohexane	6.047	83	245225	21.260	ug/L	99
37) 1,2-Dichloropropane	6.088	63	199879	27.970	ug/L	100
38) Bromodichloromethane	6.429	83	257631	27.238	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	289702	27.105	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	264479	68.121	ug/L	99
42) Toluene	7.310	91	746739	26.853	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	261469	28.322	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	169662	28.694	ug/L	99
46) Tetrachloroethene	7.902	164	139240	22.825	ug/L	99
48) 2-Hexanone	8.079	43	179376	59.097	ug/L	96
49) Dibromochloromethane	8.175	129	180985	27.968	ug/L	98
50) 1,2-Dibromoethane	8.281	107	165905	29.242	ug/L	99
51) Chlorobenzene	8.812	112	491049	25.916	ug/L	99
52) Ethylbenzene	8.944	91	784892	26.381	ug/L	99
53) m,p-Xylene	9.069	106	296670	26.537	ug/L	100
54) o-Xylene	9.477	106	283762	26.916	ug/L	100
55) Styrene	9.493	104	527961	28.398	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	155083	29.292	ug/L	98
59) Bromoform	9.664	173	121666	29.173	ug/L	99
60) Isopropylbenzene	9.863	105	748039	26.366	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	162824	31.131	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	548237	26.648	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	615834	27.783	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	381511	25.605	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	394136	25.628	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	362092	25.825	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	36214	30.964	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	251894	22.601	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	204465	23.300	ug/L	100
71) Naphthalene	13.435	128	607103	42.392	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	206474	25.784	ug/L	98

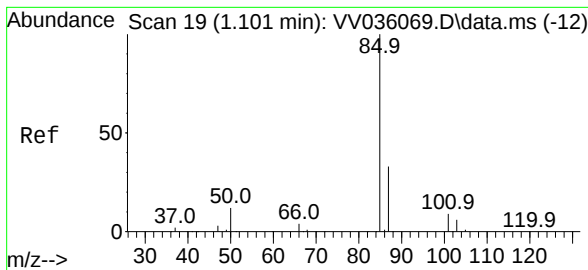
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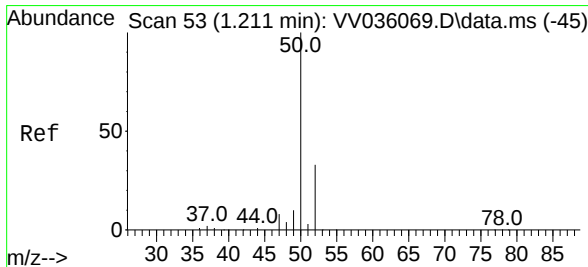
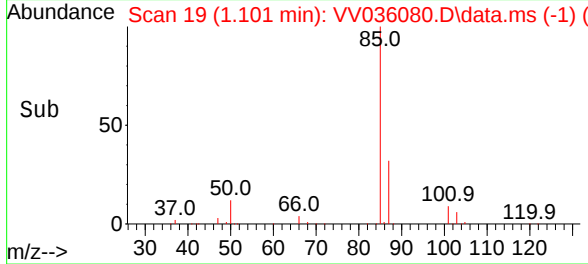
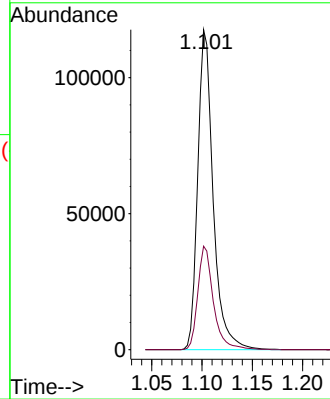
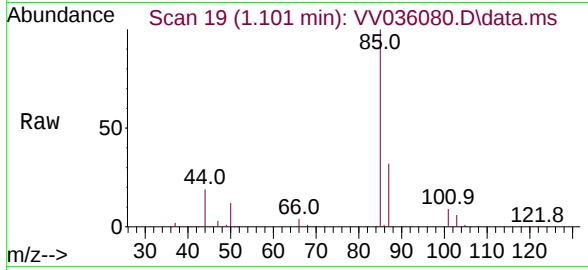




#2
 Dichlorodifluoromethane
 Concen: 16.935 ug/L
 RT: 1.101 min Scan# 19
 Delta R.T. 0.000 min
 Lab File: VV036080.D
 Acq: 13 Jun 2024 23:22

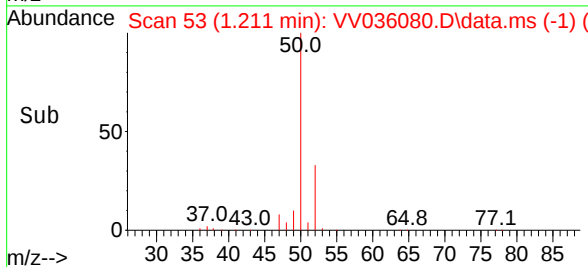
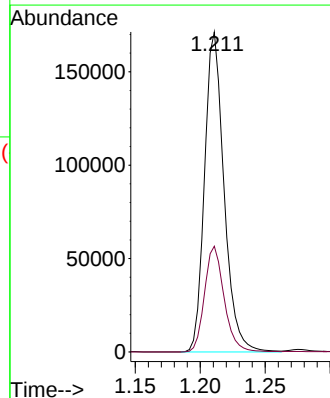
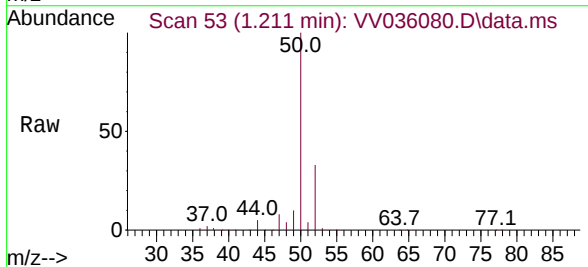
Instrument :
 MSVOA_V
 ClientSampleId :

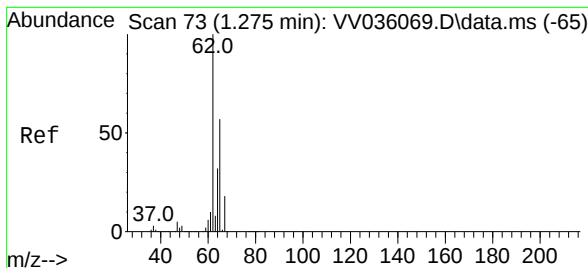
Tgt Ion: 85 Resp: 125292
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.9 38.9



#3
 Chloromethane
 Concen: 21.091 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. 0.000 min
 Lab File: VV036080.D
 Acq: 13 Jun 2024 23:22

Tgt Ion: 50 Resp: 179075
 Ion Ratio Lower Upper
 50 100
 52 33.0 22.8 42.4





#5

Vinyl chloride

Concen: 21.623 ug/L

RT: 1.275 min Scan# 73

Delta R.T. 0.000 min

Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

Instrument :

MSVOA_V

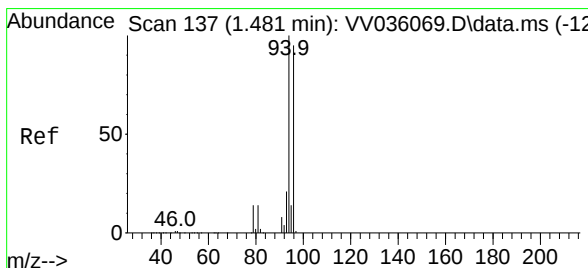
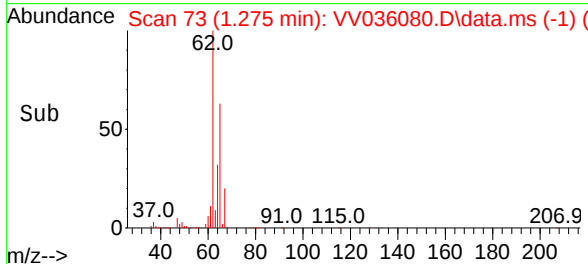
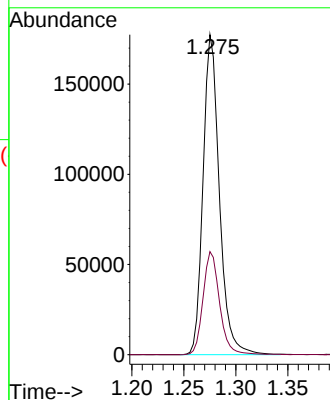
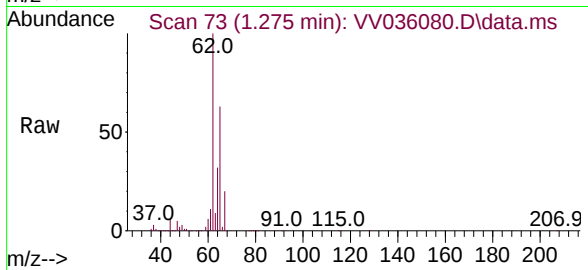
ClientSampleId :

Tgt Ion: 62 Resp: 193283

Ion Ratio Lower Upper

62 100

64 32.2 22.9 42.5



#6

Bromomethane

Concen: 22.073 ug/L

RT: 1.481 min Scan# 137

Delta R.T. 0.000 min

Lab File: VV036080.D

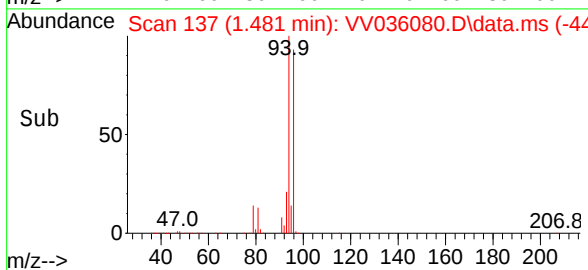
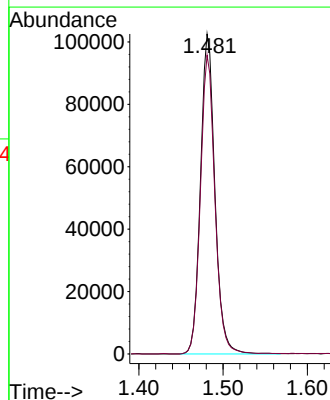
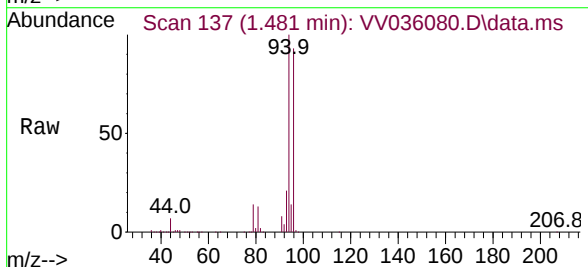
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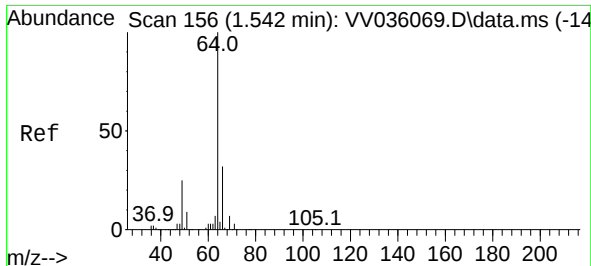
Tgt Ion: 94 Resp: 122403

Ion Ratio Lower Upper

94 100

96 93.3 65.7 122.1





#8

Chloroethane

Concen: 23.717 ug/L

RT: 1.542 min Scan# 156

Delta R.T. 0.000 min

Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

Instrument :

MSVOA_V

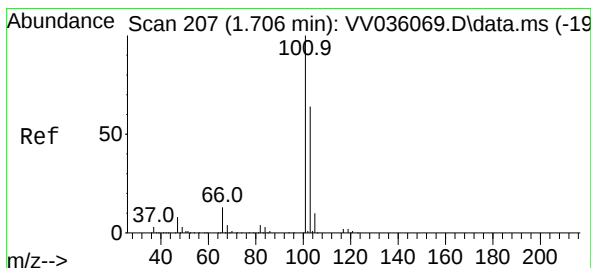
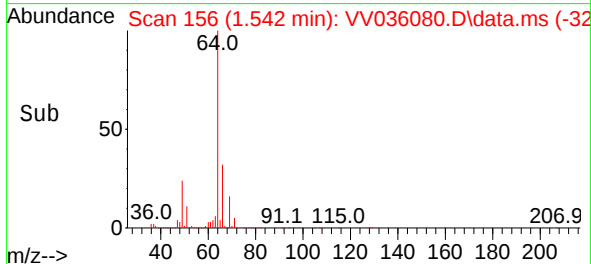
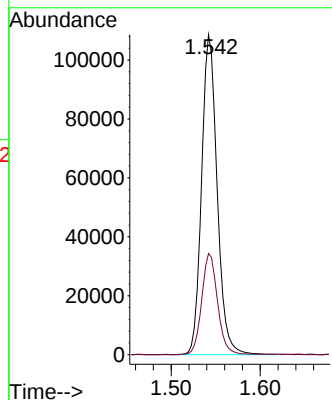
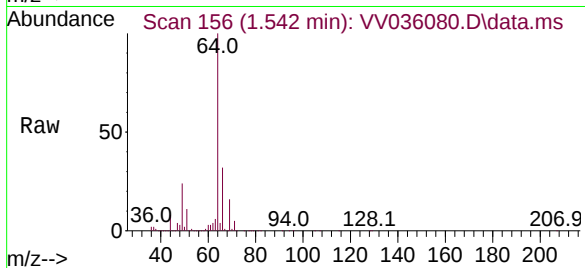
ClientSampleId :

Tgt Ion: 64 Resp: 131774

Ion Ratio Lower Upper

64 100

66 31.7 22.0 41.0



#9

Trichlorofluoromethane

Concen: 21.905 ug/L

RT: 1.706 min Scan# 207

Delta R.T. 0.000 min

Lab File: VV036080.D

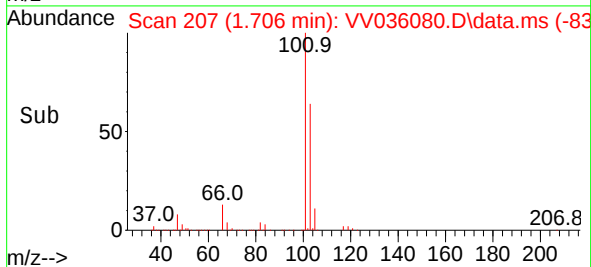
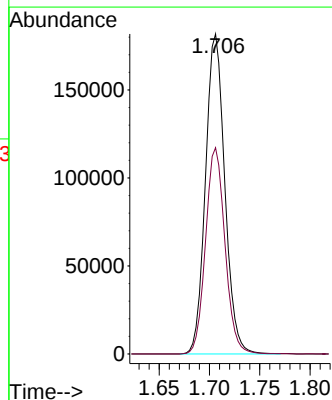
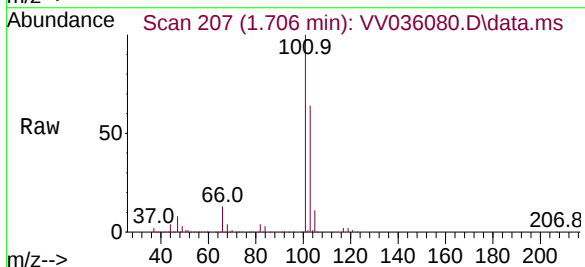
Acq: 13 Jun 2024 23:22

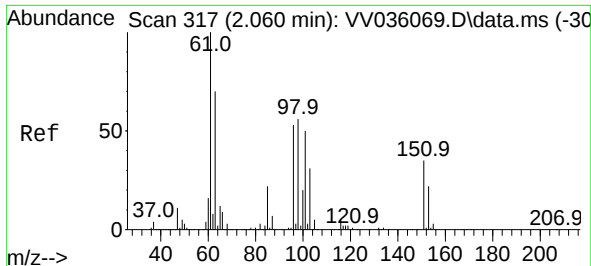
Tgt Ion:101 Resp: 243161

Ion Ratio Lower Upper

101 100

103 64.7 51.8 77.8

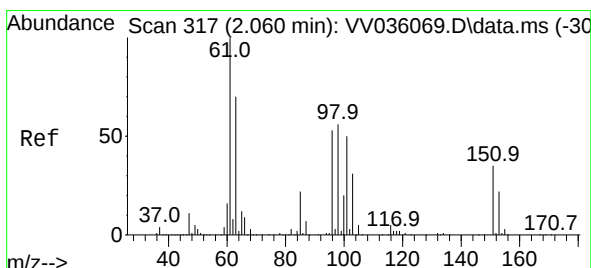
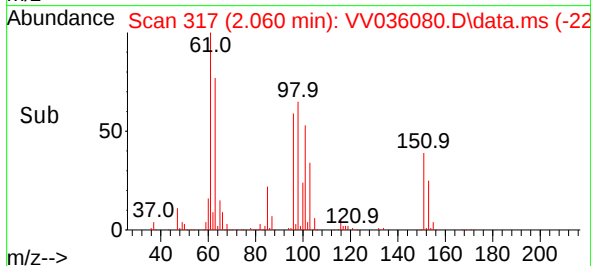
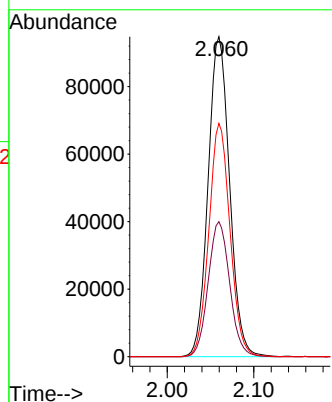
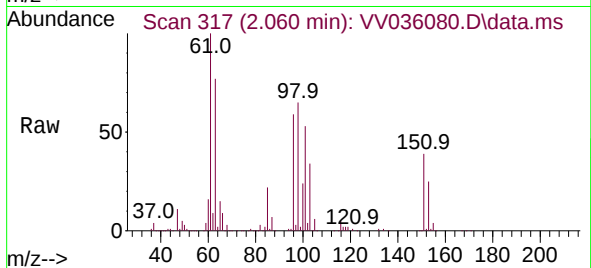




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 23.163 ug/L
 RT: 2.060 min Scan# 317
 Delta R.T. 0.000 min
 Lab File: VV036080.D
 Acq: 13 Jun 2024 23:22

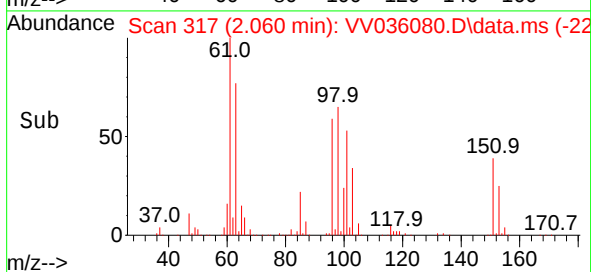
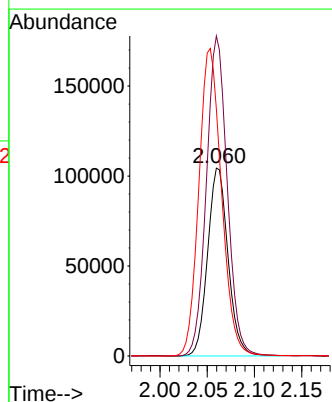
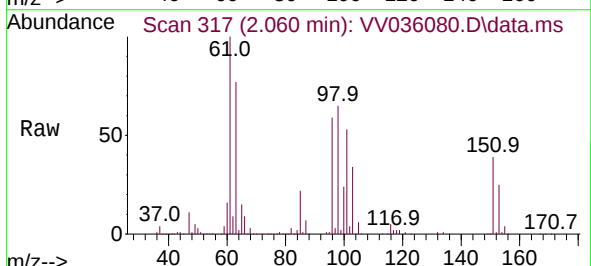
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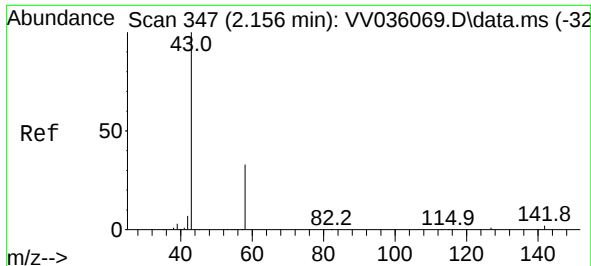
Tgt Ion:101 Resp: 163187
 Ion Ratio Lower Upper
 101 100
 85 42.3 34.5 51.7
 151 71.9 56.3 84.5



#12
 1,1-Dichloroethene
 Concen: 23.860 ug/L
 RT: 2.060 min Scan# 317
 Delta R.T. 0.000 min
 Lab File: VV036080.D
 Acq: 13 Jun 2024 23:22

Tgt Ion: 96 Resp: 156776
 Ion Ratio Lower Upper
 96 100
 61 170.4 127.3 236.3
 63 131.6 93.7 173.9





#13

Acetone

Concen: 32.365 ug/L

RT: 2.384 min Scan# 41

Delta R.T. 0.228 min

Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

Instrument :

MSVOA_V

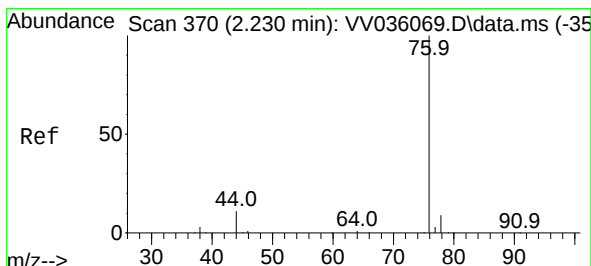
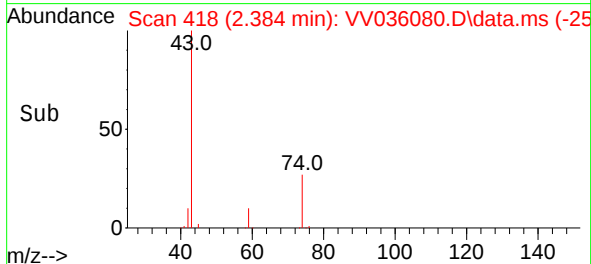
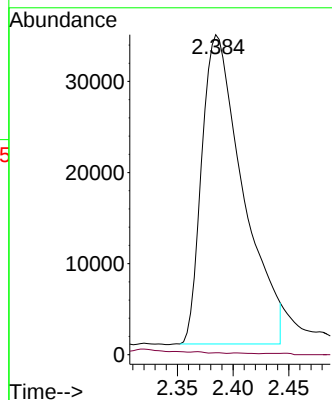
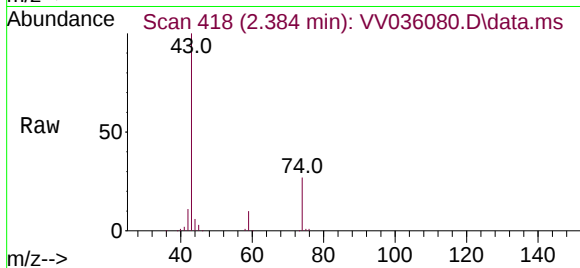
ClientSampleId :

Tgt Ion: 43 Resp: 87261

Ion Ratio Lower Upper

43 100

58 0.0 0.0 24.2



#14

Carbon disulfide

Concen: 19.907 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.003 min

Lab File: VV036080.D

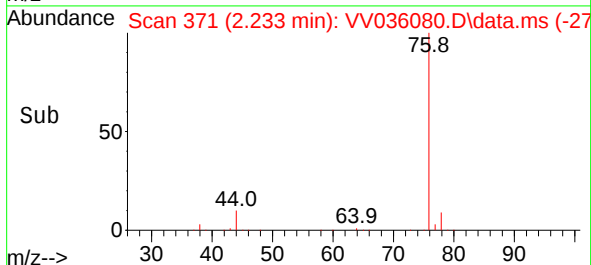
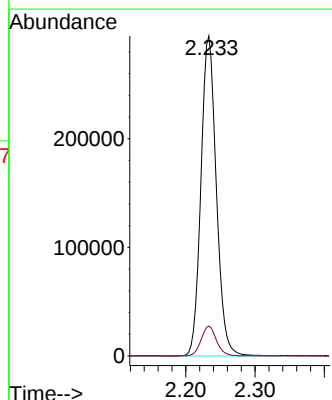
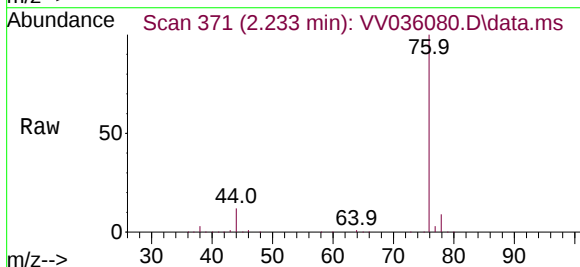
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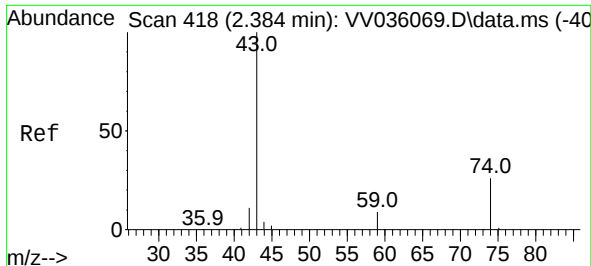
Tgt Ion: 76 Resp: 454241

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2





#15

Methyl Acetate

Concen: 27.290 ug/L

RT: 2.384 min Scan# 418

Delta R.T. 0.000 min

Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

Instrument :

MSVOA_V

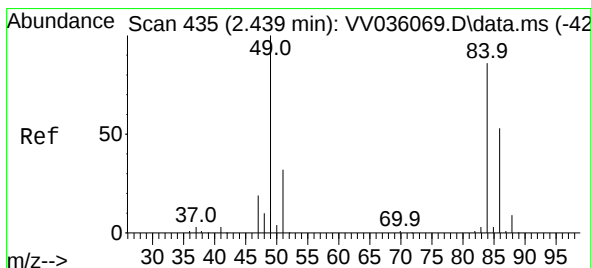
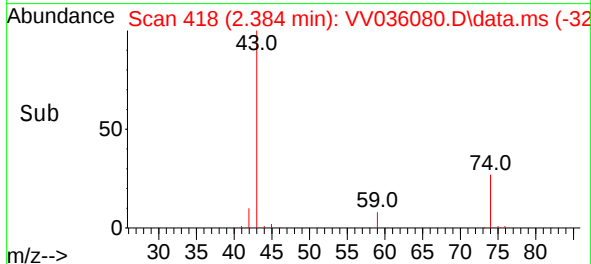
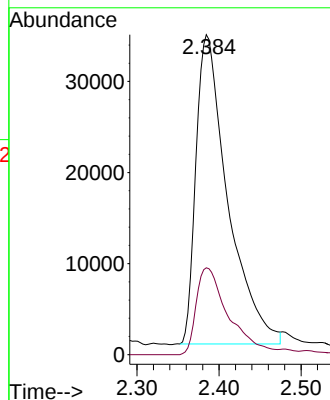
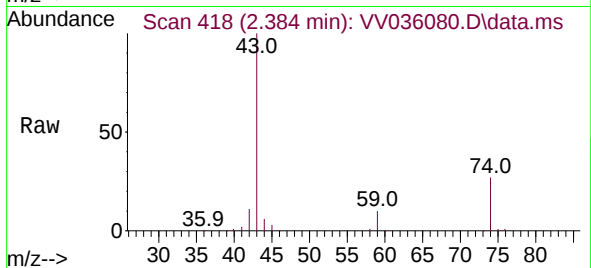
ClientSampleId :

Tgt Ion: 43 Resp: 91454

Ion Ratio Lower Upper

43 100

74 28.6 21.4 32.2



#16

Methylene chloride

Concen: 22.742 ug/L

RT: 2.439 min Scan# 435

Delta R.T. 0.000 min

Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

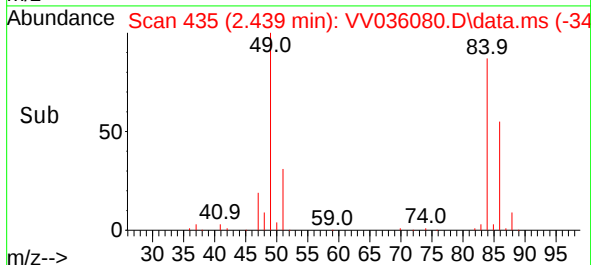
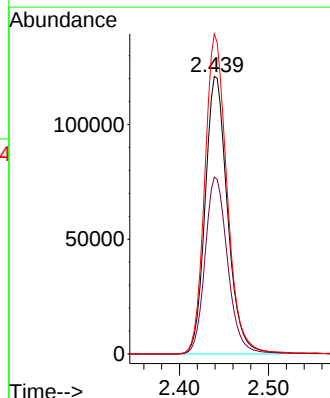
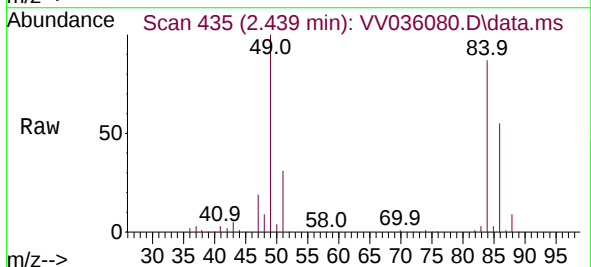
Tgt Ion: 84 Resp: 211154

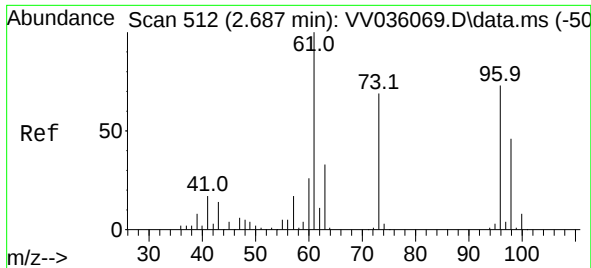
Ion Ratio Lower Upper

84 100

86 63.8 44.6 82.8

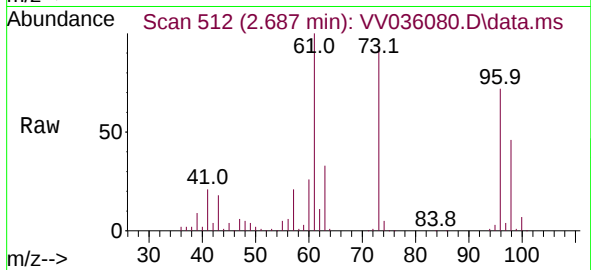
49 115.4 81.1 150.5



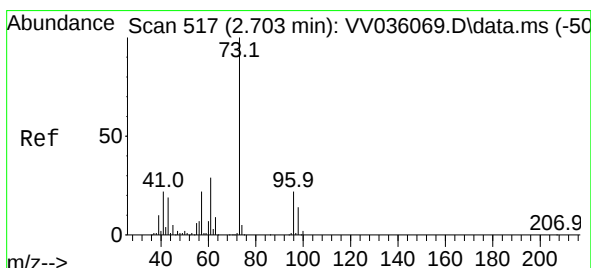
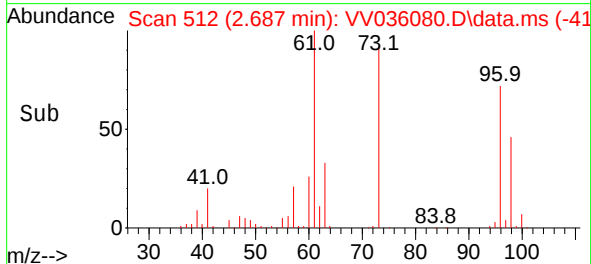
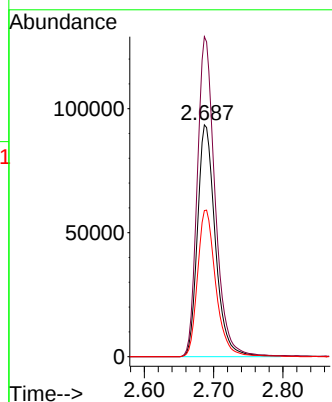


#17
trans-1,2-Dichloroethene
Concen: 23.973 ug/L
RT: 2.687 min Scan# 512
Delta R.T. 0.000 min
Lab File: VV036080.D
Acq: 13 Jun 2024 23:22

Instrument :
MSVOA_V
ClientSampleId :

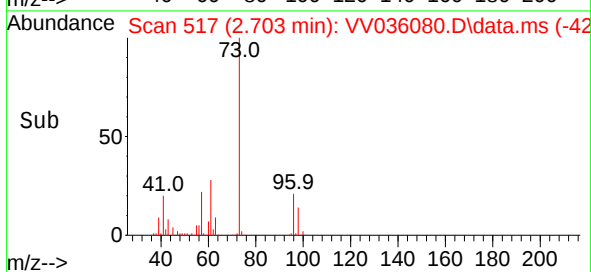
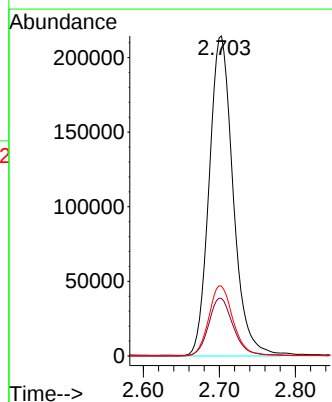
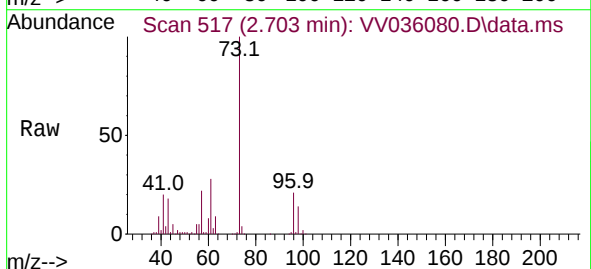


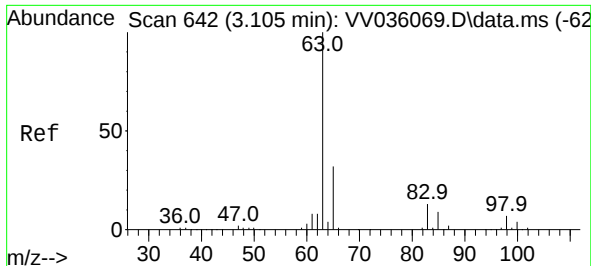
Tgt Ion: 96 Resp: 167328
Ion Ratio Lower Upper
96 100
61 138.0 99.4 184.6
98 63.0 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 29.968 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV036080.D
Acq: 13 Jun 2024 23:22

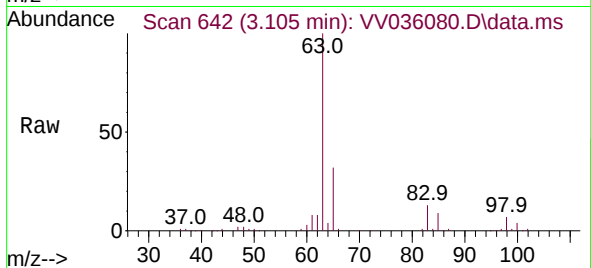
Tgt Ion: 73 Resp: 469589
Ion Ratio Lower Upper
73 100
43 18.1 14.3 21.5
57 22.3 17.8 26.6



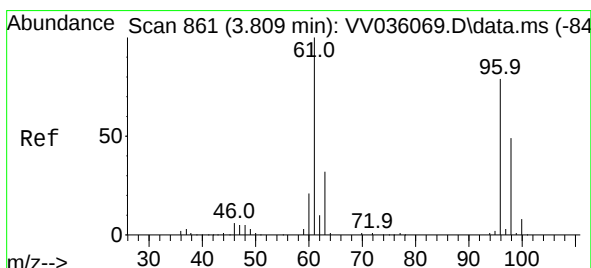
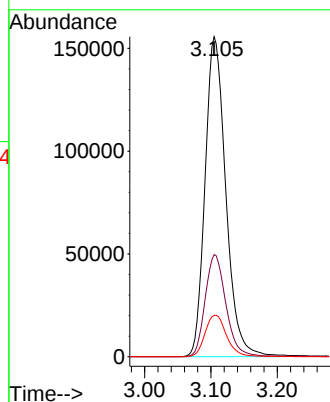
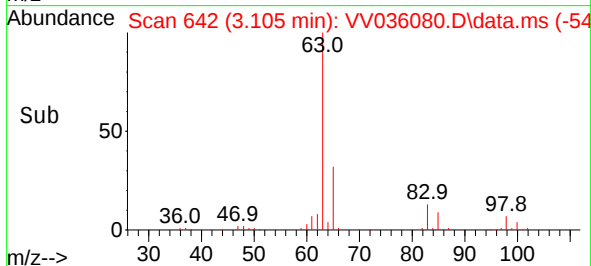


#19
1,1-Dichloroethane
Concen: 25.465 ug/L
RT: 3.105 min Scan# 642
Delta R.T. 0.000 min
Lab File: VV036080.D
Acq: 13 Jun 2024 23:22

Instrument :
MSVOA_V
ClientSampleId :

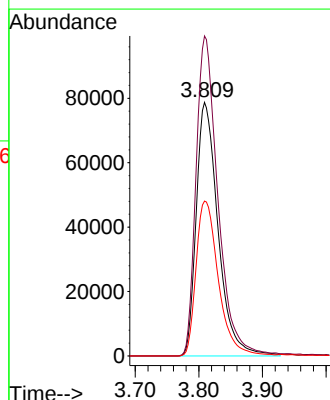
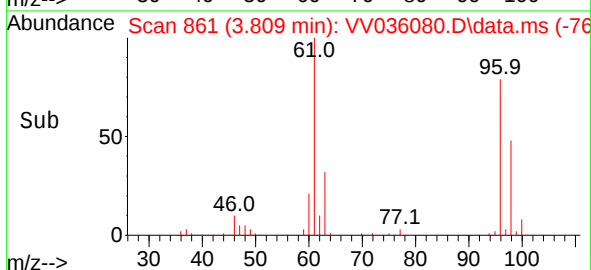
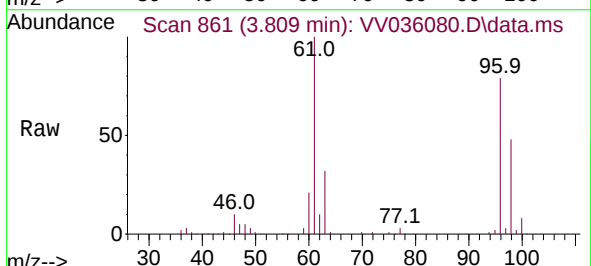


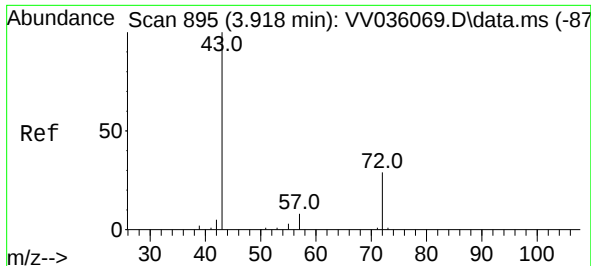
Tgt Ion: 63 Resp: 338488
Ion Ratio Lower Upper
63 100
65 31.9 22.4 41.6
83 12.9 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 26.801 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.000 min
Lab File: VV036080.D
Acq: 13 Jun 2024 23:22

Tgt Ion: 96 Resp: 187970
Ion Ratio Lower Upper
96 100
61 126.1 87.9 163.3
98 61.1 44.4 82.5

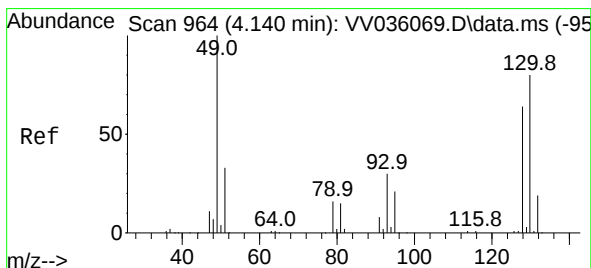
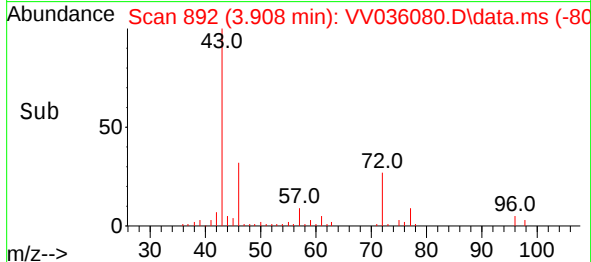
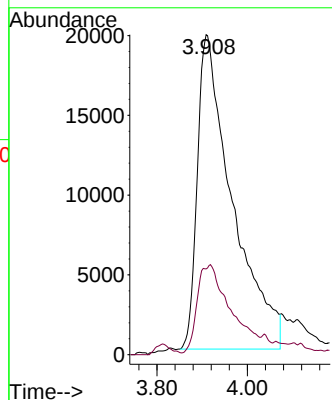
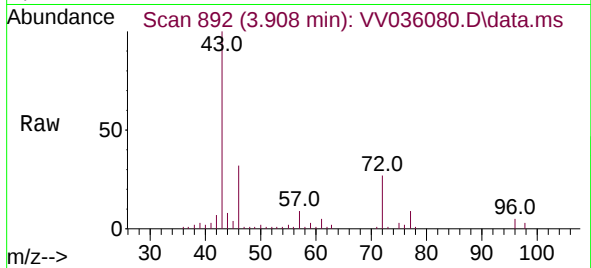




#22
2-Butanone
Concen: 46.084 ug/L
RT: 3.908 min Scan# 895
Delta R.T. -0.010 min
Lab File: VV036080.D
Acq: 13 Jun 2024 23:22

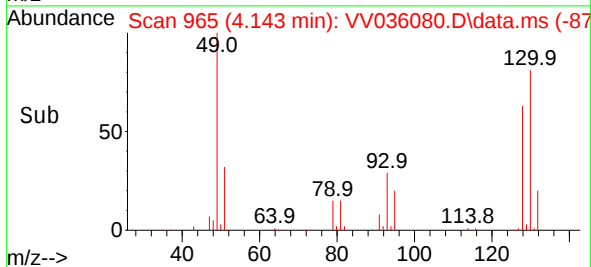
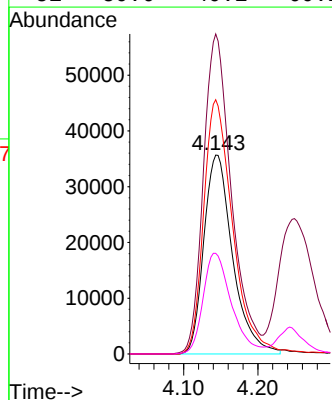
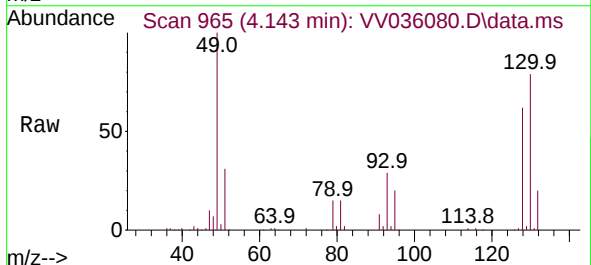
Instrument :
MSVOA_V
ClientSampleId :

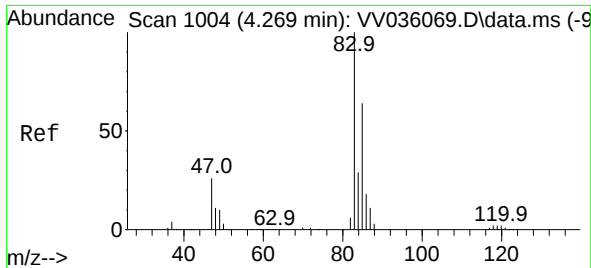
Tgt Ion: 43 Resp: 105428
Ion Ratio Lower Upper
43 100
72 7.6 8.2 24.4#



#23
Bromochloromethane
Concen: 27.315 ug/L
RT: 4.143 min Scan# 965
Delta R.T. 0.003 min
Lab File: VV036080.D
Acq: 13 Jun 2024 23:22

Tgt Ion:128 Resp: 96095
Ion Ratio Lower Upper
128 100
49 160.9 110.2 204.6
130 127.8 90.2 167.4
51 50.6 40.2 60.2





#25

Chloroform

Concen: 25.959 ug/L

RT: 4.269 min Scan# 1004

Delta R.T. 0.000 min

Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

Instrument :

MSVOA_V

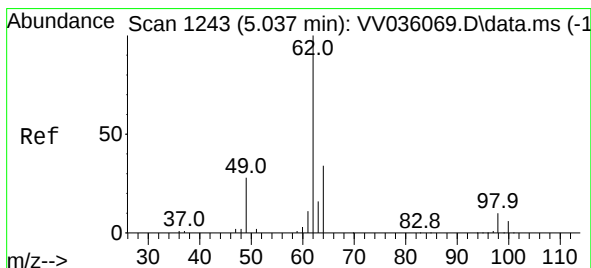
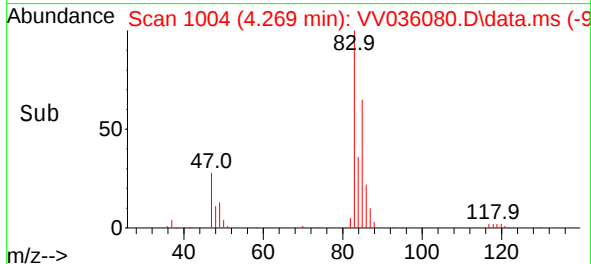
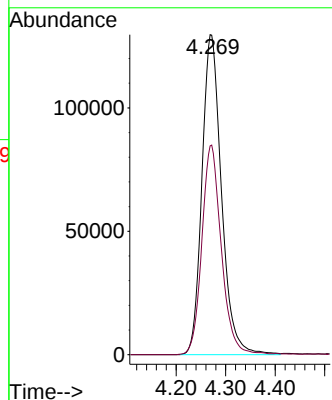
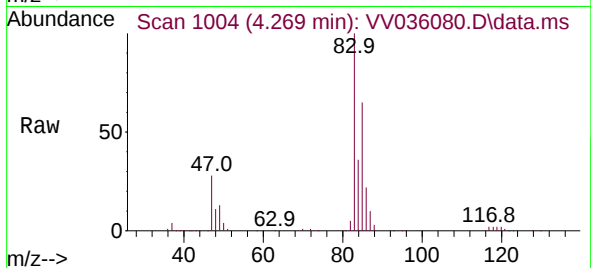
ClientSampleId :

Tgt Ion: 83 Resp: 354943

Ion Ratio Lower Upper

83 100

85 65.3 45.2 84.0



#27

1,2-Dichloroethane

Concen: 28.126 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV036080.D

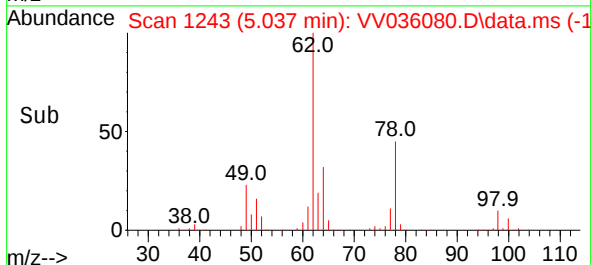
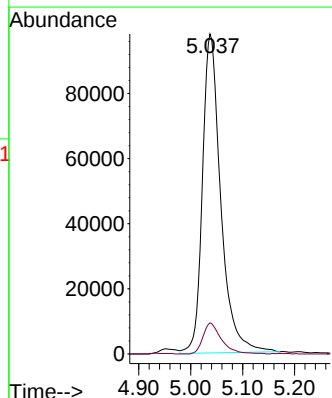
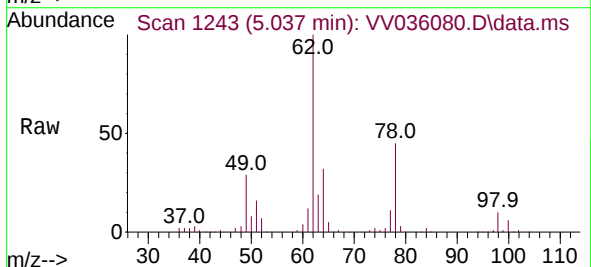
Acq: 13 Jun 2024 23:22

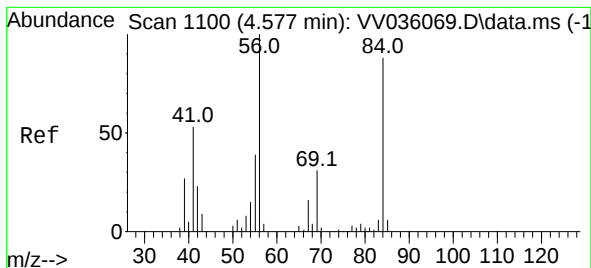
Tgt Ion: 62 Resp: 240099

Ion Ratio Lower Upper

62 100

98 9.7 7.8 11.6





#29

Cyclohexane

Concen: 22.106 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

Instrument :

MSVOA_V

ClientSampleId :

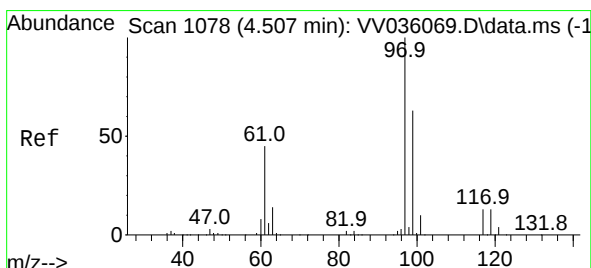
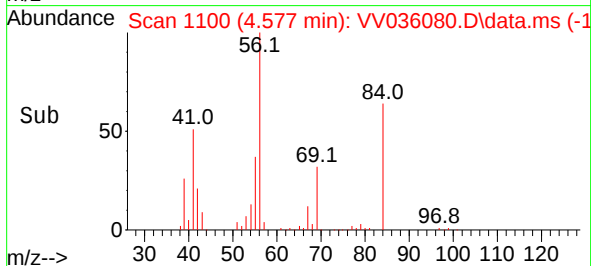
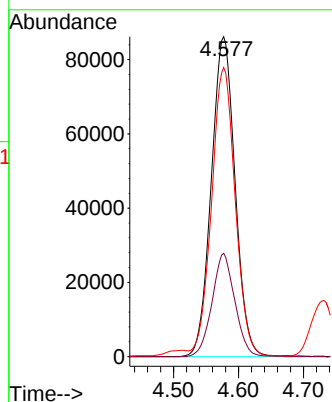
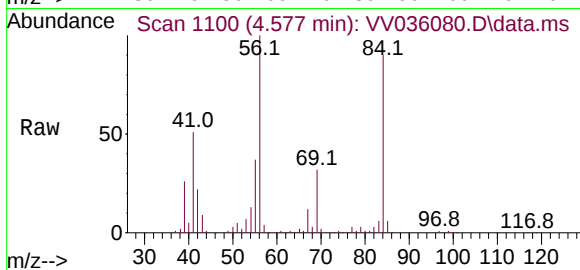
Tgt Ion: 56 Resp: 219013

Ion Ratio Lower Upper

56 100

69 31.0 25.2 37.8

84 89.2 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 24.035 ug/L

RT: 4.507 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

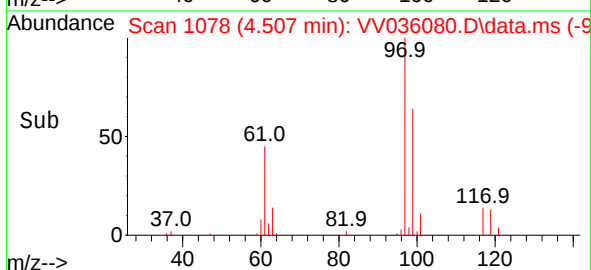
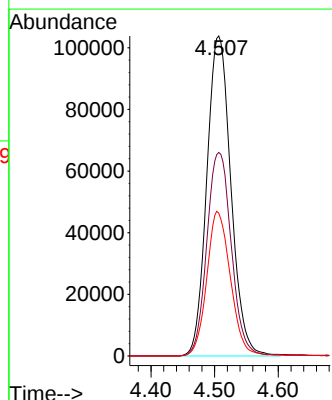
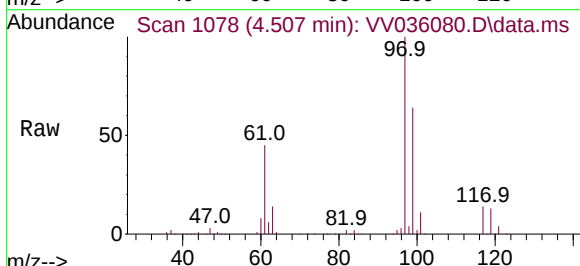
Tgt Ion: 97 Resp: 273415

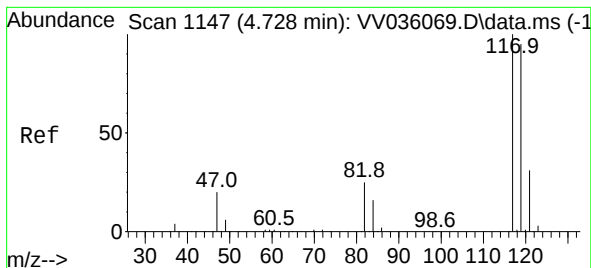
Ion Ratio Lower Upper

97 100

99 64.6 50.9 76.3

61 44.3 35.0 52.6





#31

Carbon tetrachloride

Concen: 23.066 ug/L

RT: 4.728 min Scan# 1147

Delta R.T. 0.000 min

Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

Instrument :

MSVOA_V

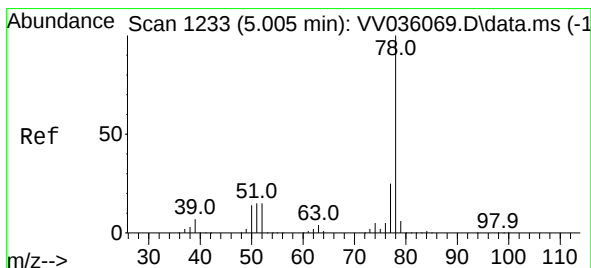
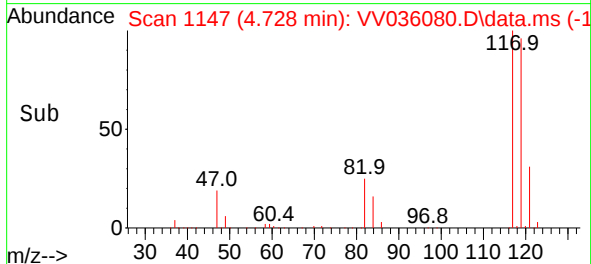
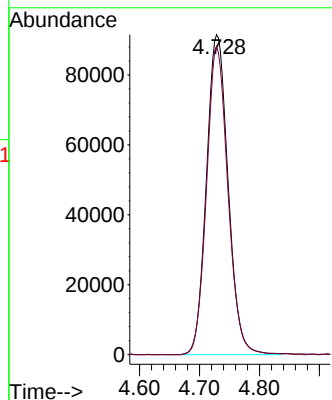
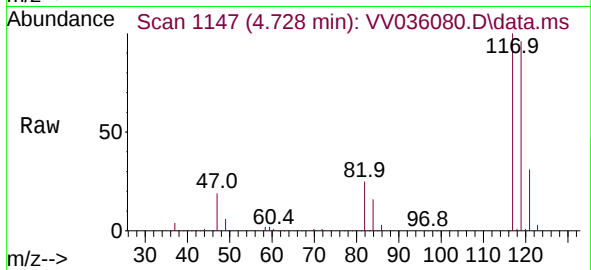
ClientSampleId :

Tgt Ion:117 Resp: 230194

Ion Ratio Lower Upper

117 100

119 95.1 76.8 115.2



#33

Benzene

Concen: 26.318 ug/L

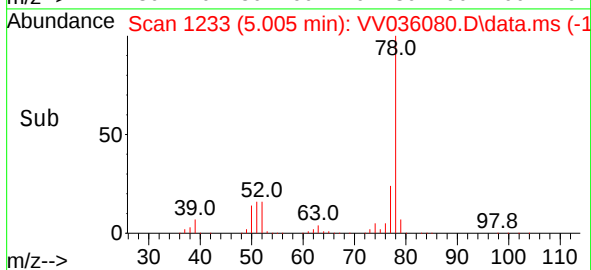
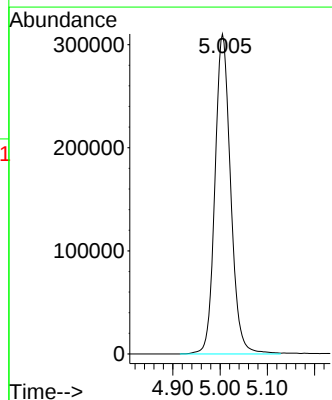
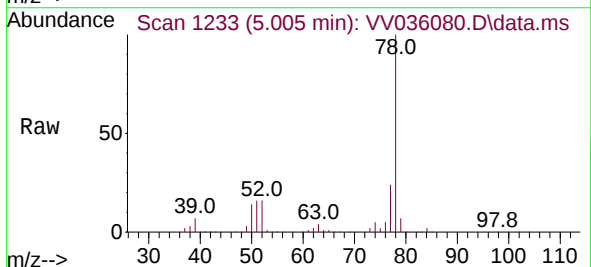
RT: 5.005 min Scan# 1233

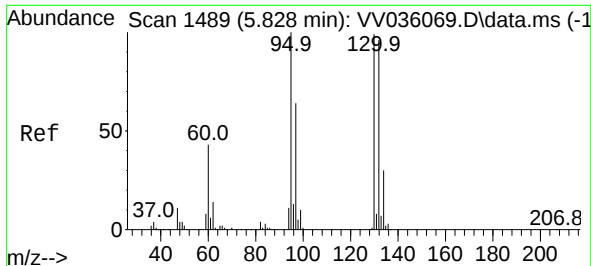
Delta R.T. 0.000 min

Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

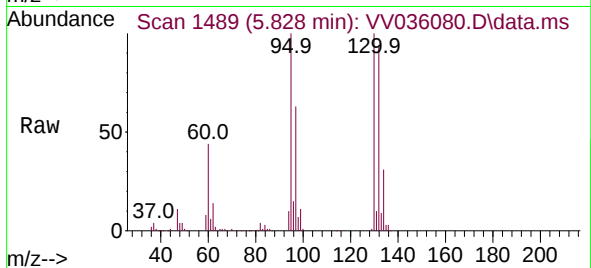
Tgt Ion: 78 Resp: 716243



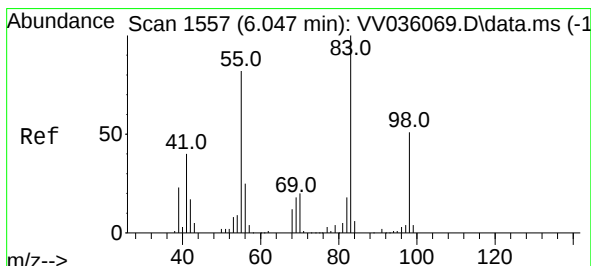
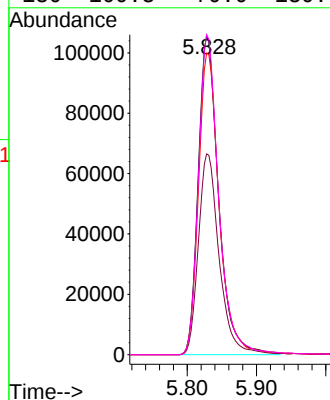
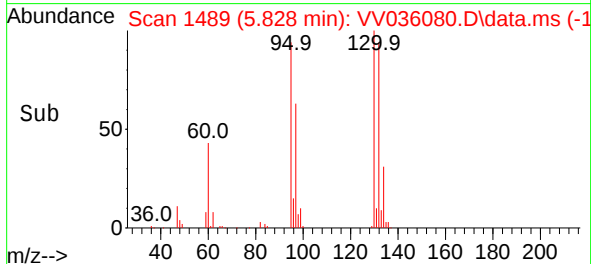


#34
Trichloroethene
Concen: 26.031 ug/L
RT: 5.828 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VV036080.D
Acq: 13 Jun 2024 23:22

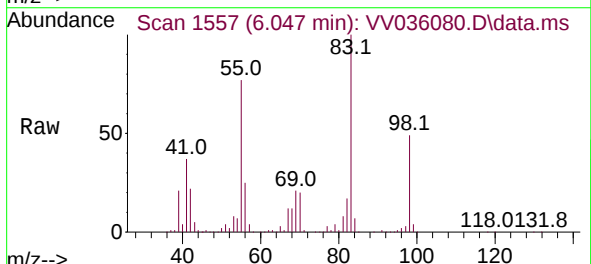
Instrument :
MSVOA_V
ClientSampleId :



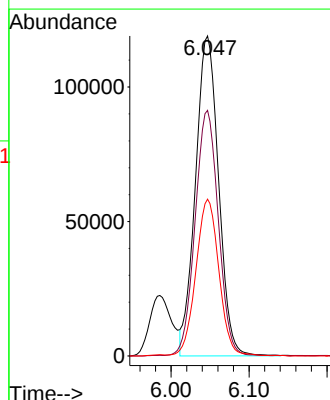
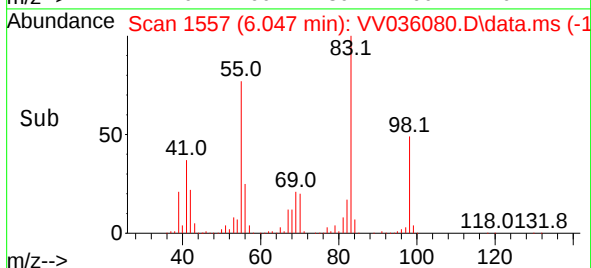
Tgt Ion: 95 Resp: 217126
Ion Ratio Lower Upper
95 100
97 62.9 44.8 83.2
132 94.5 66.8 124.2
130 100.3 70.0 130.0

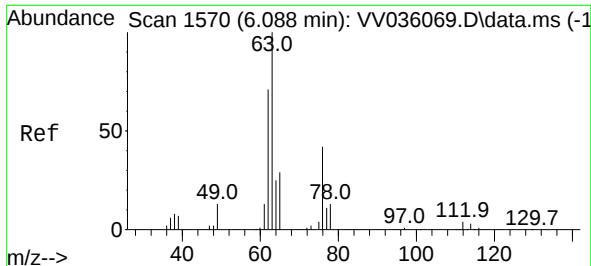


#35
Methylcyclohexane
Concen: 21.260 ug/L
RT: 6.047 min Scan# 1557
Delta R.T. 0.000 min
Lab File: VV036080.D
Acq: 13 Jun 2024 23:22



Tgt Ion: 83 Resp: 245225
Ion Ratio Lower Upper
83 100
55 76.9 60.7 91.1
98 48.7 38.7 58.1

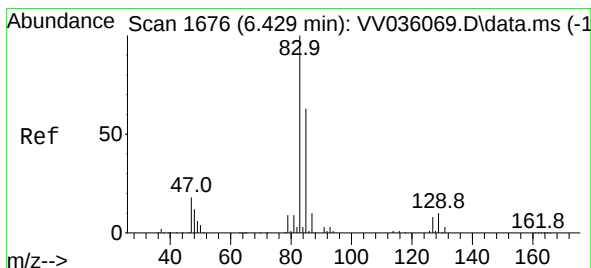
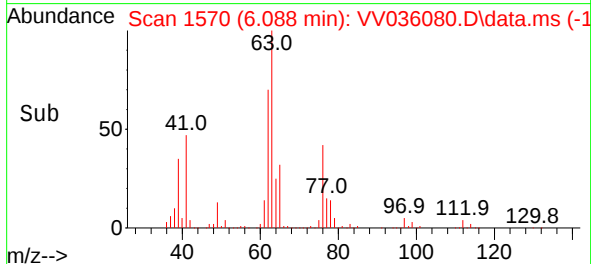
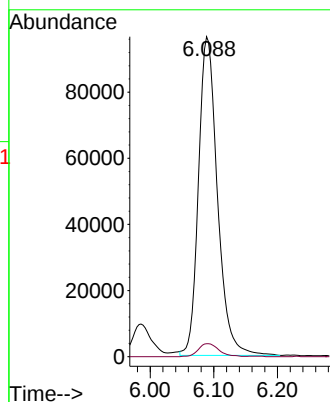
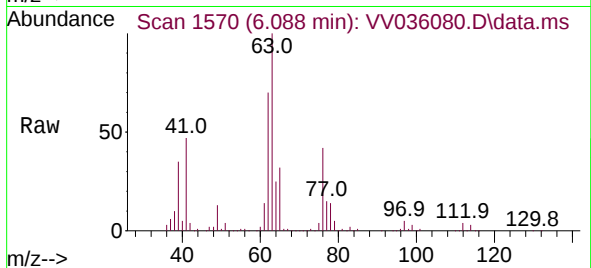




#37
1,2-Dichloropropane
Concen: 27.970 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VV036080.D
Acq: 13 Jun 2024 23:22

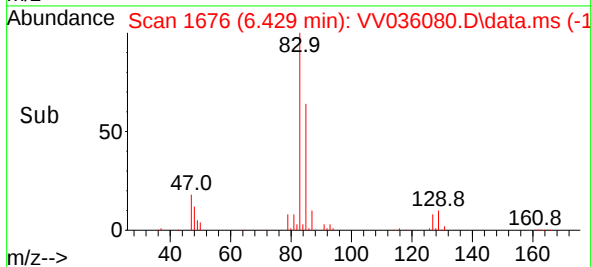
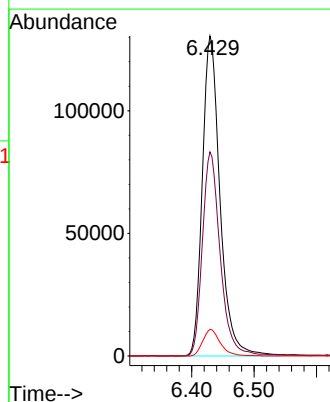
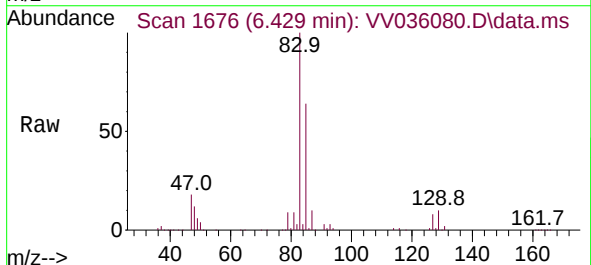
Instrument :
MSVOA_V
ClientSampleId :

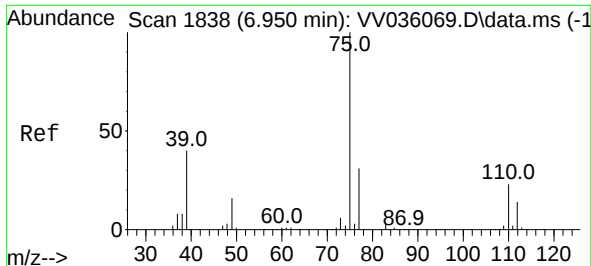
Tgt Ion: 63 Resp: 199879
Ion Ratio Lower Upper
63 100
112 4.3 3.5 5.3



#38
Bromodichloromethane
Concen: 27.238 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VV036080.D
Acq: 13 Jun 2024 23:22

Tgt Ion: 83 Resp: 257631
Ion Ratio Lower Upper
83 100
85 63.8 45.3 84.1
127 8.3 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 27.105 ug/L

RT: 6.950 min Scan# 1838

Delta R.T. 0.000 min

Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

Instrument :

MSVOA_V

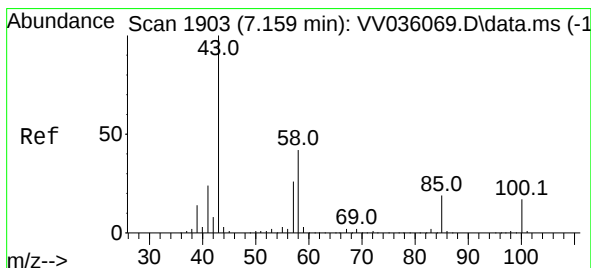
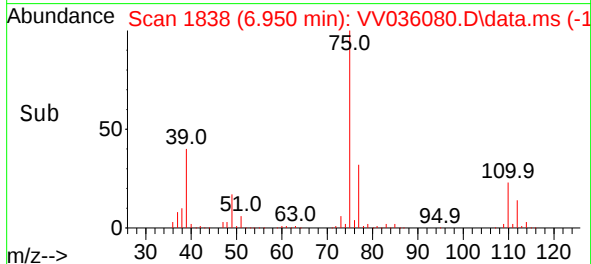
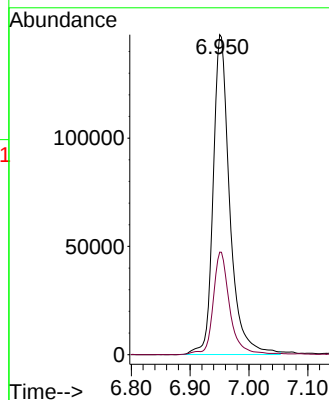
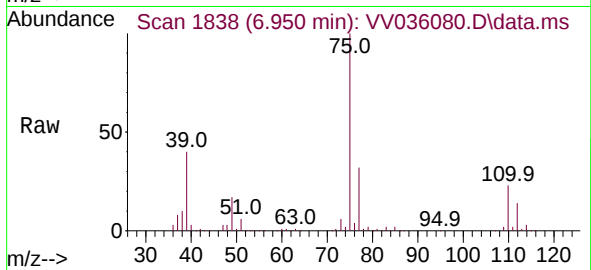
ClientSampleId :

Tgt Ion: 75 Resp: 289702

Ion Ratio Lower Upper

75 100

77 32.1 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 68.121 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

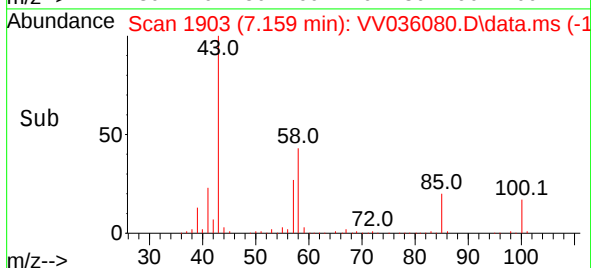
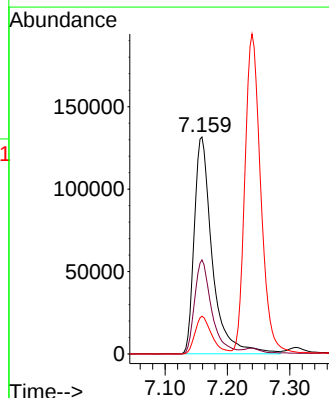
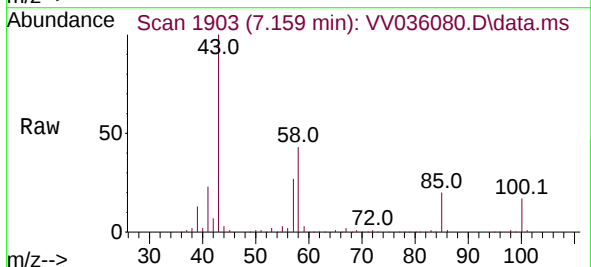
Tgt Ion: 43 Resp: 264479

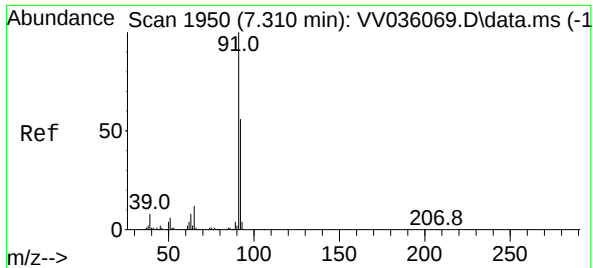
Ion Ratio Lower Upper

43 100

58 41.0 32.5 48.7

100 16.2 12.5 18.7





#42

Toluene

Concen: 26.853 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

Instrument :

MSVOA_V

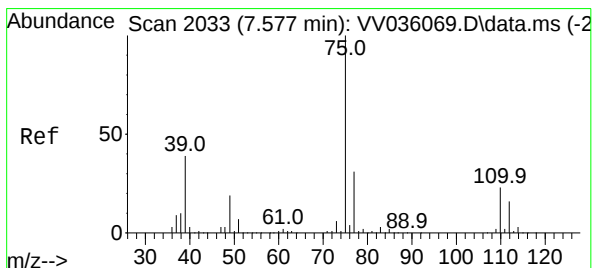
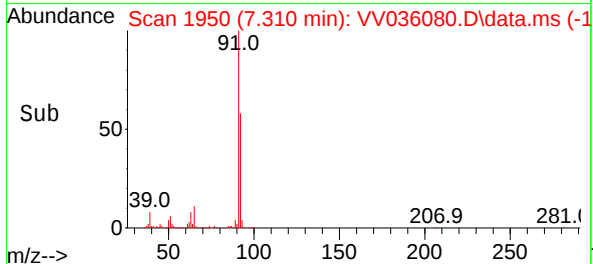
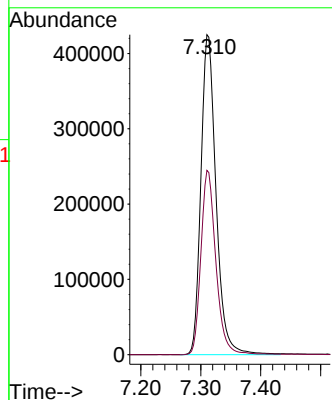
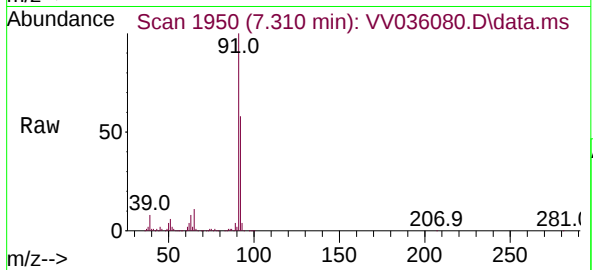
ClientSampleId :

Tgt Ion: 91 Resp: 746739

Ion Ratio Lower Upper

91 100

92 57.6 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 28.322 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV036080.D

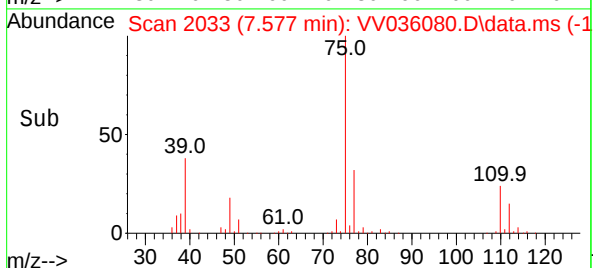
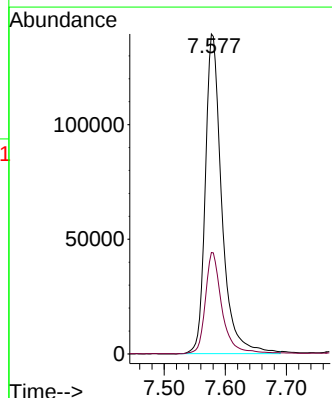
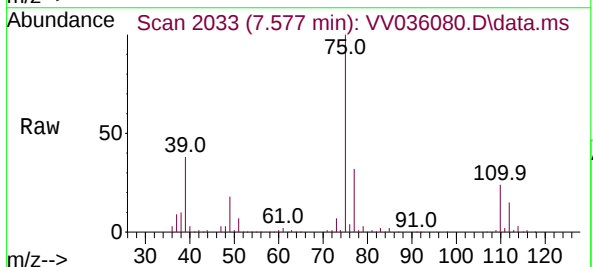
Acq: 13 Jun 2024 23:22

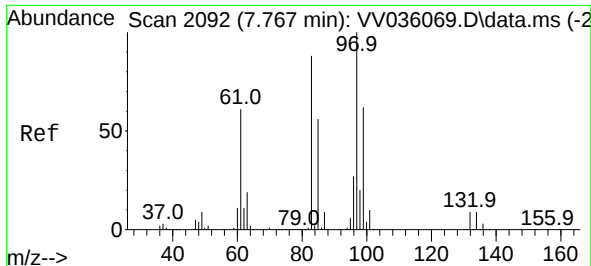
Tgt Ion: 75 Resp: 261469

Ion Ratio Lower Upper

75 100

77 31.7 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 28.694 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.000 min

Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 169662

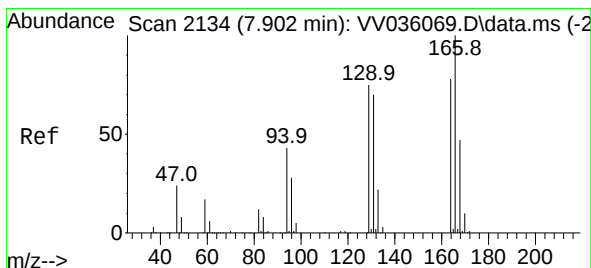
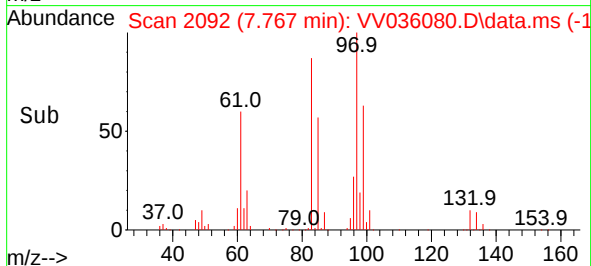
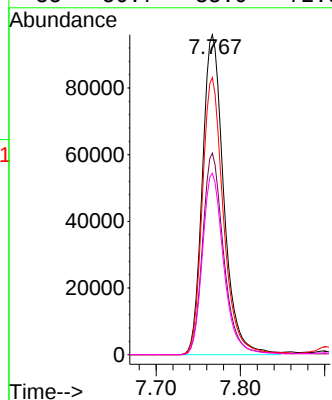
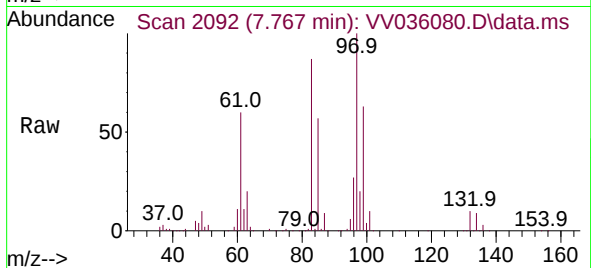
Ion Ratio Lower Upper

97 100

99 63.0 43.3 80.5

83 86.6 60.1 111.7

85 56.7 38.9 72.3



#46

Tetrachloroethene

Concen: 22.825 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.000 min

Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

Tgt Ion:164 Resp: 139240

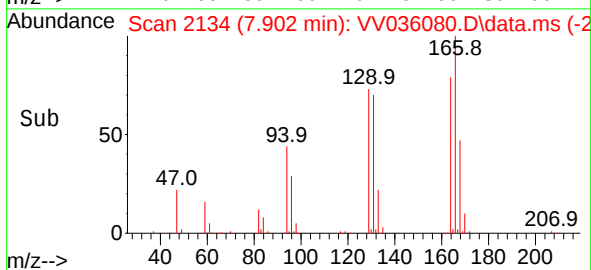
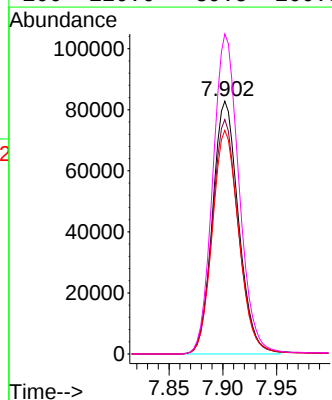
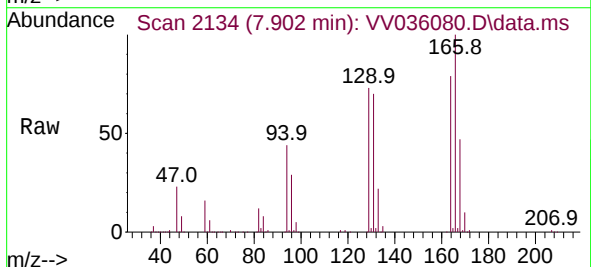
Ion Ratio Lower Upper

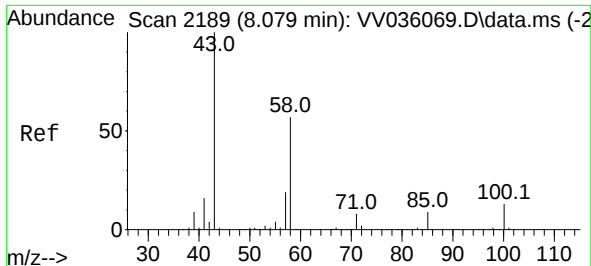
164 100

129 92.8 64.6 120.0

131 88.4 63.2 117.4

166 126.6 89.5 166.3





#48

2-Hexanone

Concen: 59.097 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. 0.000 min

Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 179376

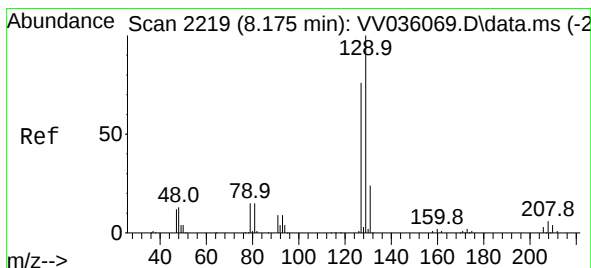
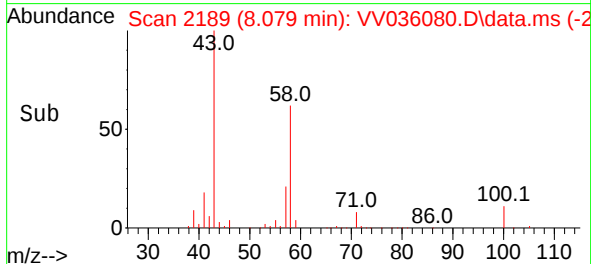
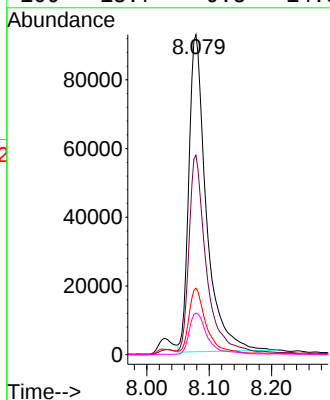
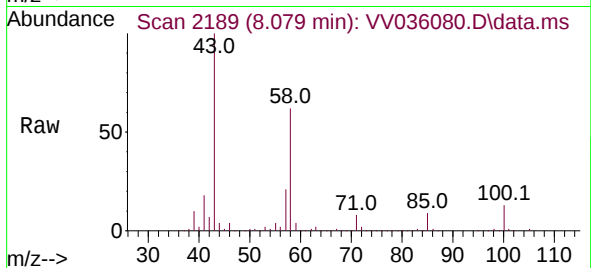
Ion Ratio Lower Upper

43 100

58 60.8 45.4 68.0

57 20.5 15.8 23.8

100 13.7 9.8 14.8



#49

Dibromochloromethane

Concen: 27.968 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.000 min

Lab File: VV036080.D

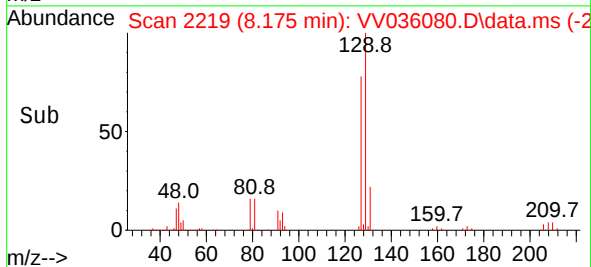
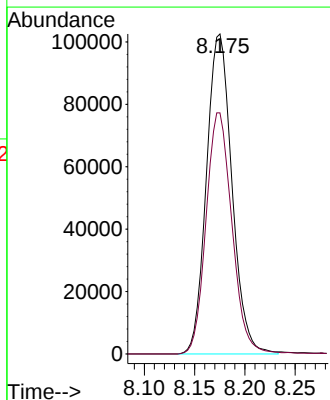
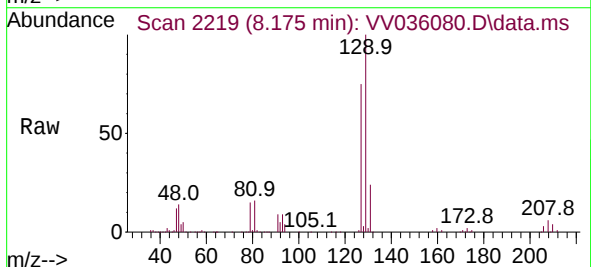
Acq: 13 Jun 2024 23:22

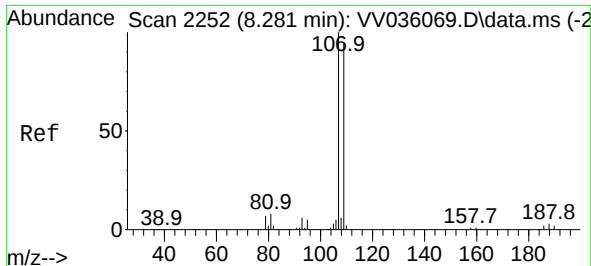
Tgt Ion:129 Resp: 180985

Ion Ratio Lower Upper

129 100

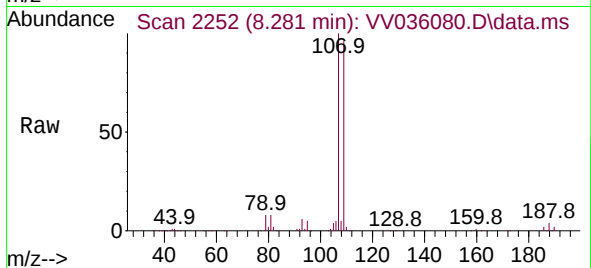
127 75.4 53.9 100.1



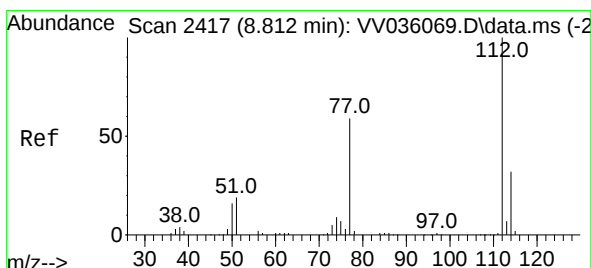
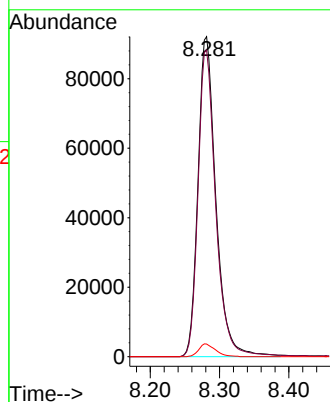
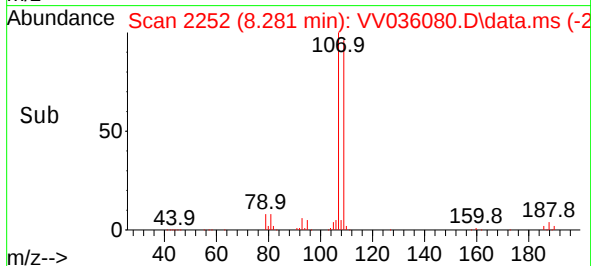


#50
1,2-Dibromoethane
Concen: 29.242 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV036080.D
Acq: 13 Jun 2024 23:22

Instrument :
MSVOA_V
ClientSampleId :

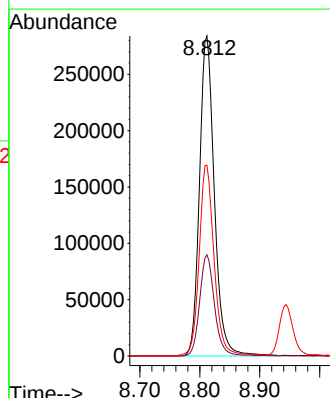
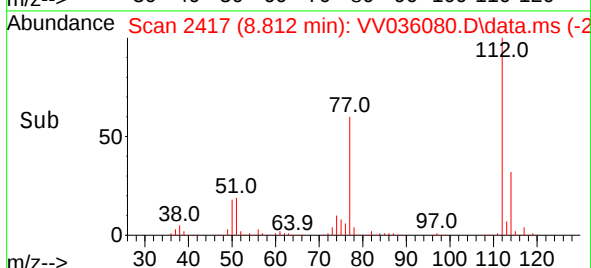
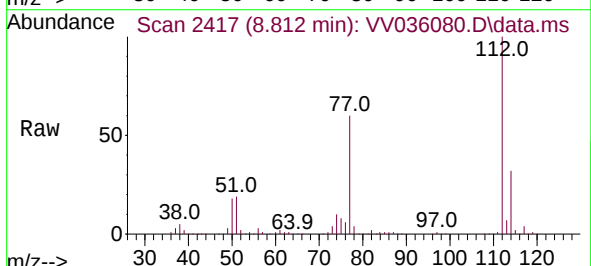


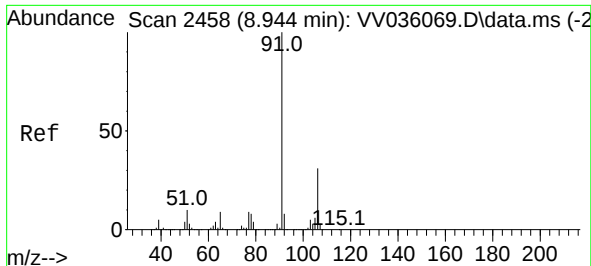
Tgt Ion:107 Resp: 165905
Ion Ratio Lower Upper
107 100
109 95.8 66.1 122.7
188 4.0 3.0 4.6



#51
Chlorobenzene
Concen: 25.916 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV036080.D
Acq: 13 Jun 2024 23:22

Tgt Ion:112 Resp: 491049
Ion Ratio Lower Upper
112 100
114 31.6 22.3 41.5
77 59.6 47.3 70.9

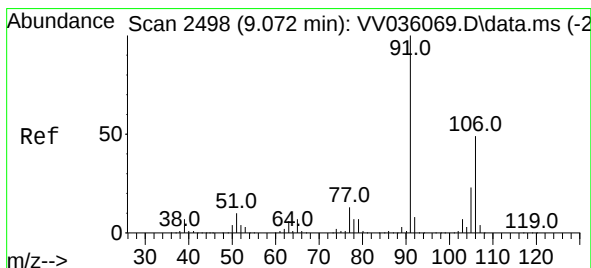
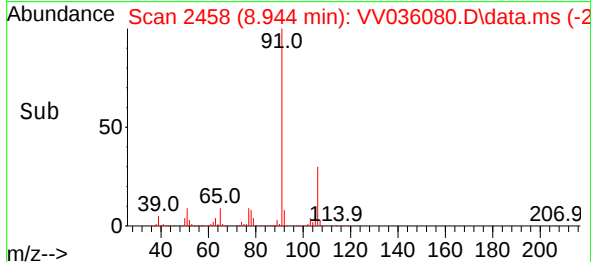
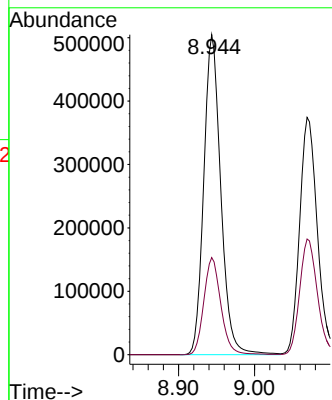
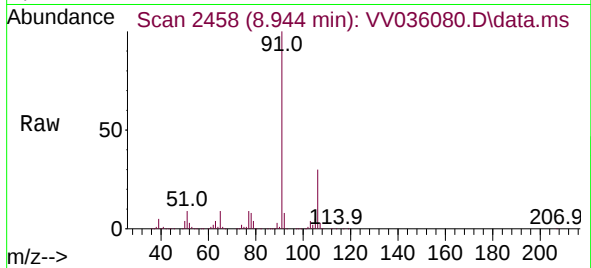




#52
Ethylbenzene
Concen: 26.381 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. 0.000 min
Lab File: VV036080.D
Acq: 13 Jun 2024 23:22

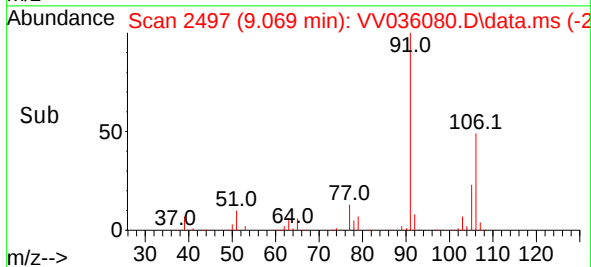
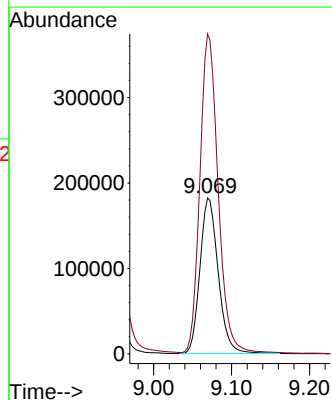
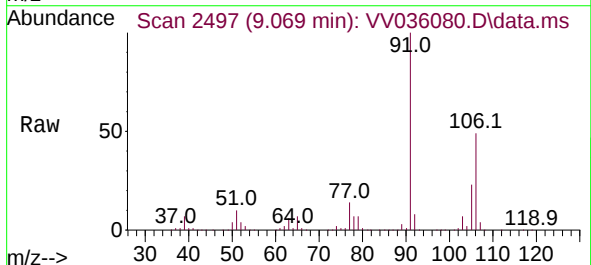
Instrument :
MSVOA_V
ClientSampleId :

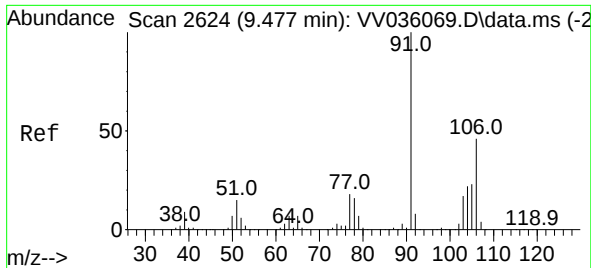
Tgt Ion: 91 Resp: 784892
Ion Ratio Lower Upper
91 100
106 30.3 21.6 40.0



#53
m,p-Xylene
Concen: 26.537 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. -0.003 min
Lab File: VV036080.D
Acq: 13 Jun 2024 23:22

Tgt Ion:106 Resp: 296670
Ion Ratio Lower Upper
106 100
91 205.2 143.1 265.9

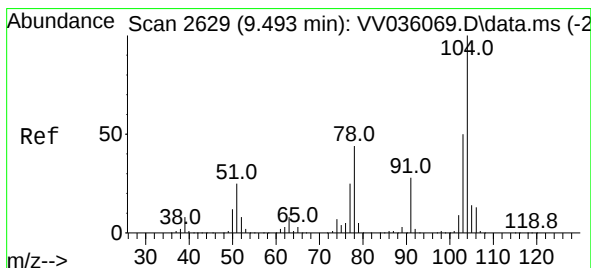
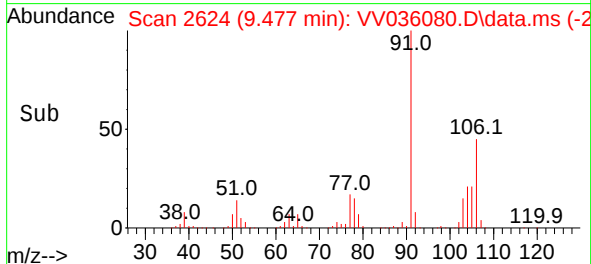
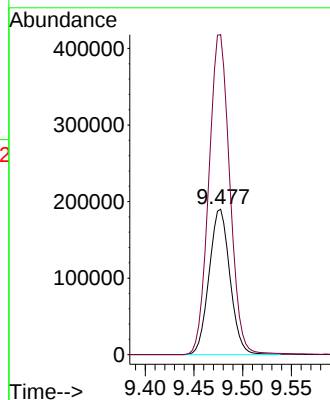
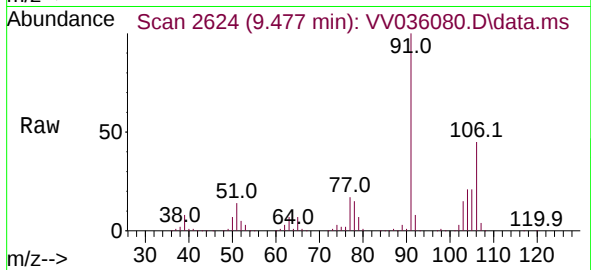




#54
o-Xylene
Concen: 26.916 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV036080.D
Acq: 13 Jun 2024 23:22

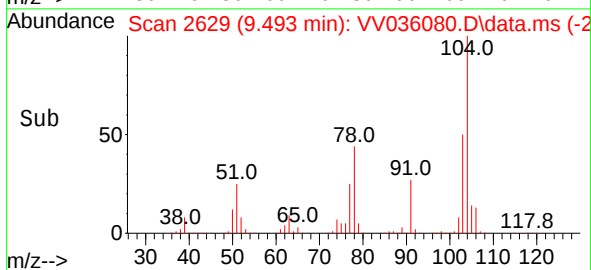
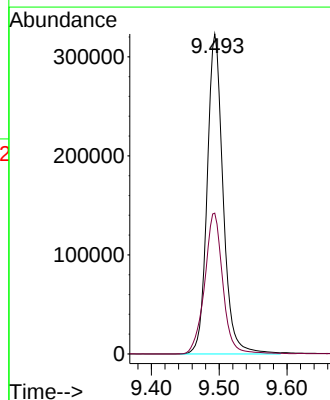
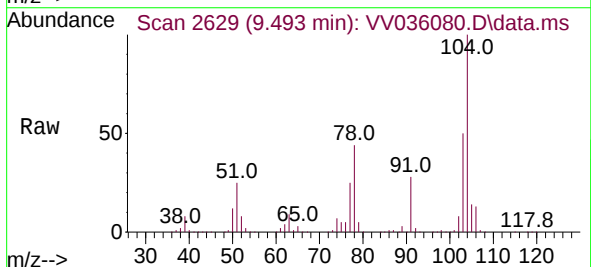
Instrument :
MSVOA_V
ClientSampleId :

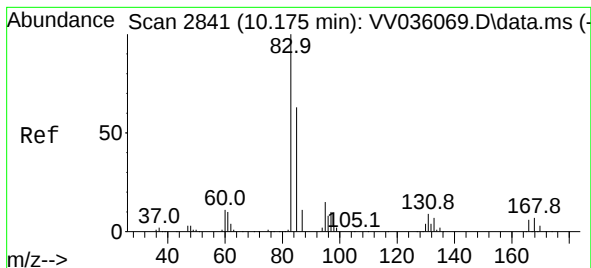
Tgt Ion:106 Resp: 283762
Ion Ratio Lower Upper
106 100
91 220.0 154.5 286.9



#55
Styrene
Concen: 28.398 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV036080.D
Acq: 13 Jun 2024 23:22

Tgt Ion:104 Resp: 527961
Ion Ratio Lower Upper
104 100
78 44.0 31.4 58.2





#57

1,1,2,2-Tetrachloroethane

Concen: 29.292 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

Instrument :

MSVOA_V

ClientSampleId :

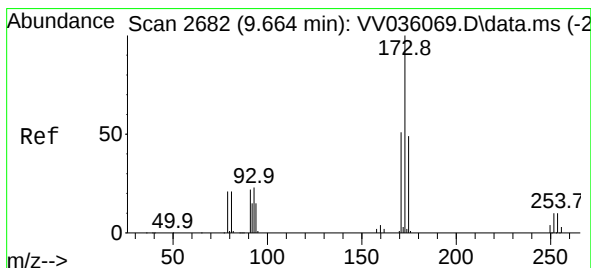
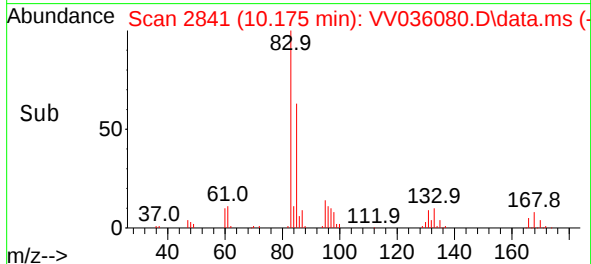
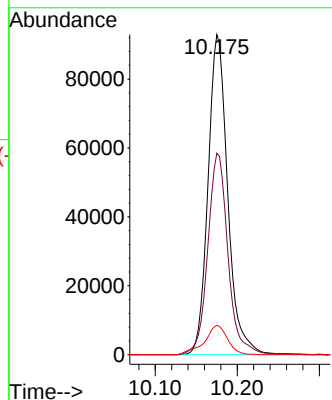
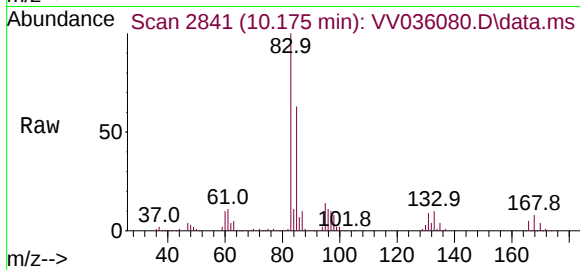
Tgt Ion: 83 Resp: 155083

Ion Ratio Lower Upper

83 100

85 62.9 45.1 83.7

131 9.1 7.6 11.4



#59

Bromoform

Concen: 29.173 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.000 min

Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

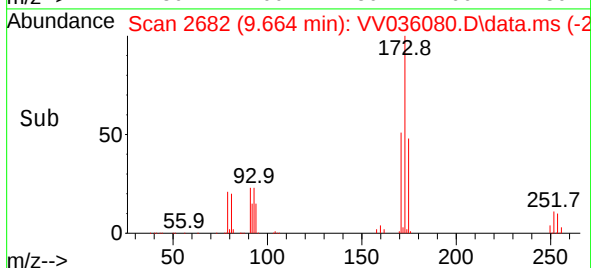
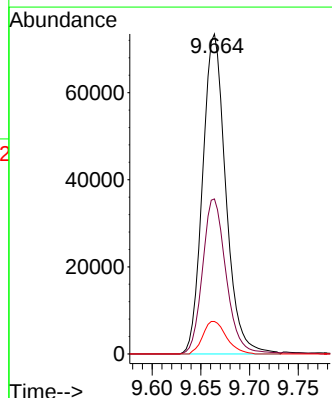
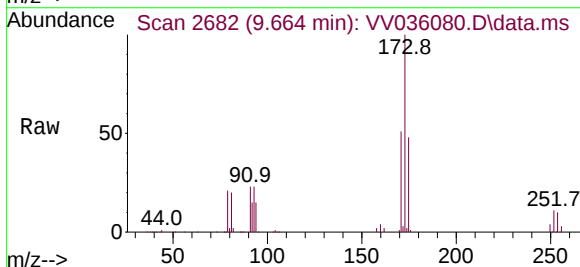
Tgt Ion: 173 Resp: 121666

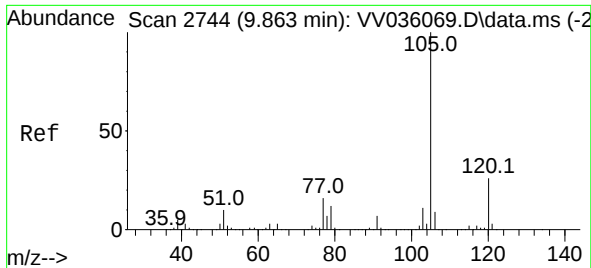
Ion Ratio Lower Upper

173 100

175 49.4 39.0 58.6

254 10.3 8.6 13.0

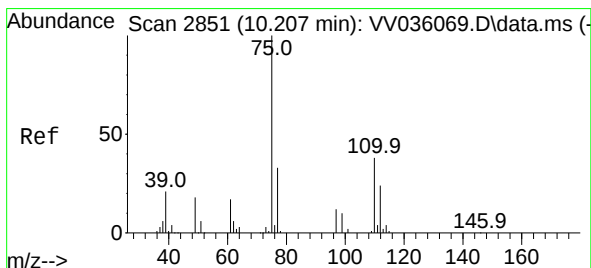
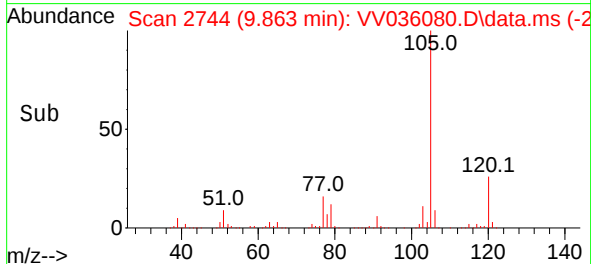
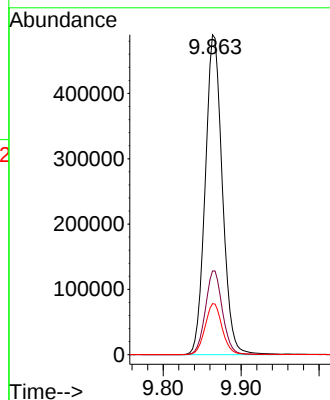
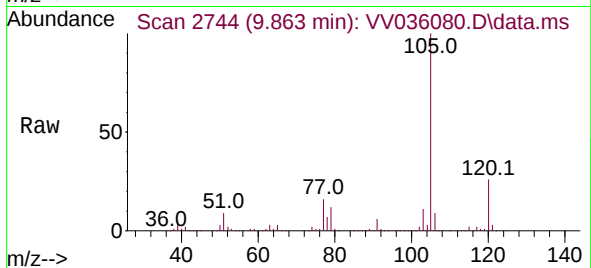




#60
Isopropylbenzene
Concen: 26.366 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. 0.000 min
Lab File: VV036080.D
Acq: 13 Jun 2024 23:22

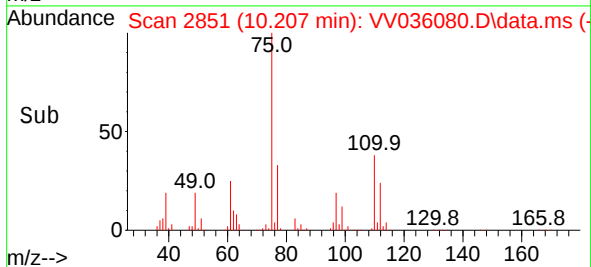
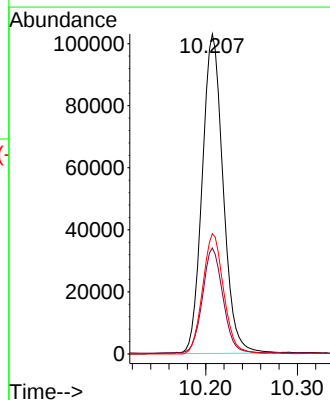
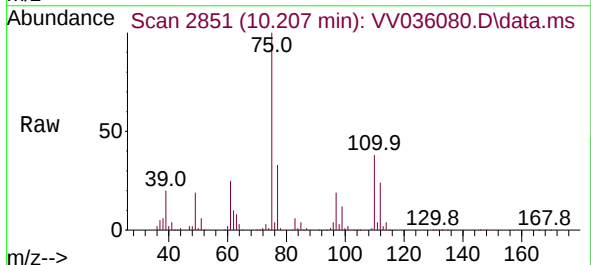
Instrument :
MSVOA_V
ClientSampleId :

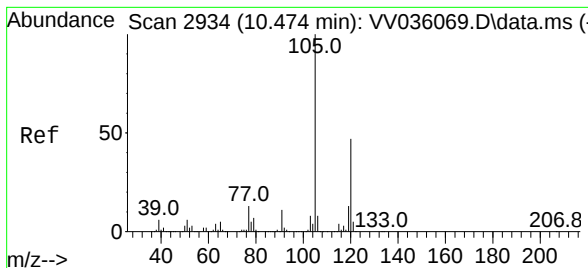
Tgt Ion:105 Resp: 748039
Ion Ratio Lower Upper
105 100
120 26.2 21.0 31.6
77 15.9 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 31.131 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV036080.D
Acq: 13 Jun 2024 23:22

Tgt Ion: 75 Resp: 162824
Ion Ratio Lower Upper
75 100
77 32.1 26.0 39.0
110 37.9 32.2 48.4





#62

1,3,5-Trimethylbenzene

Concen: 26.648 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

Instrument :

MSVOA_V

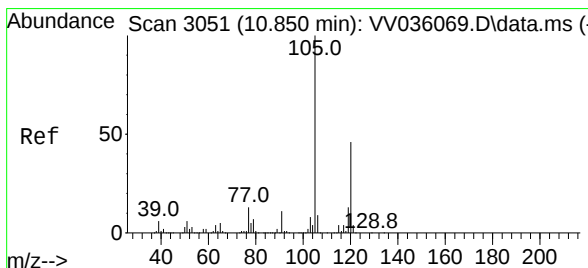
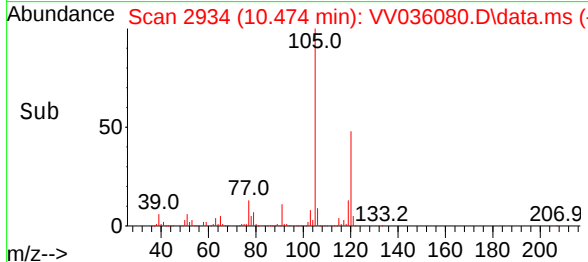
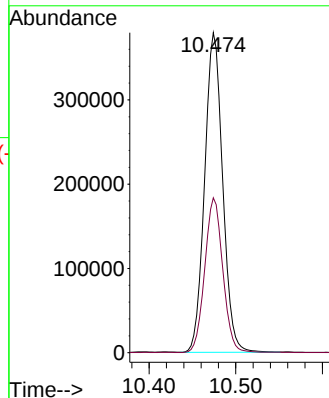
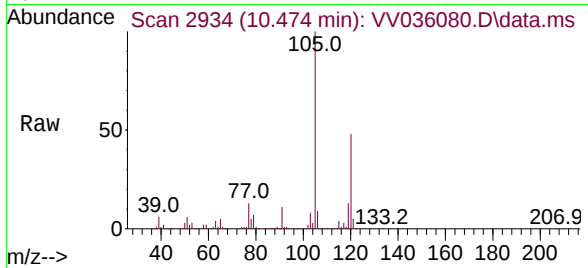
ClientSampleId :

Tgt Ion:105 Resp: 548237

Ion Ratio Lower Upper

105 100

120 48.5 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 27.783 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV036080.D

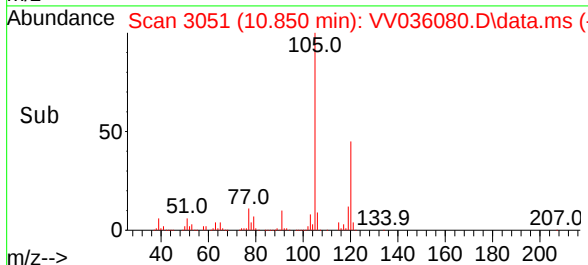
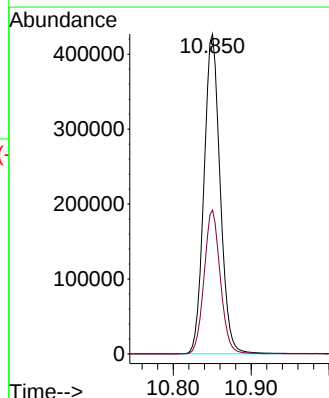
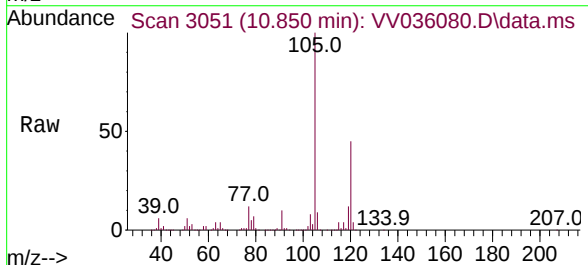
Acq: 13 Jun 2024 23:22

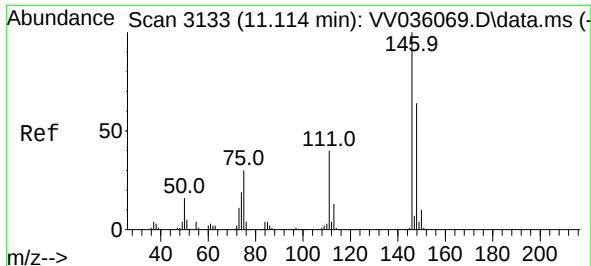
Tgt Ion:105 Resp: 615834

Ion Ratio Lower Upper

105 100

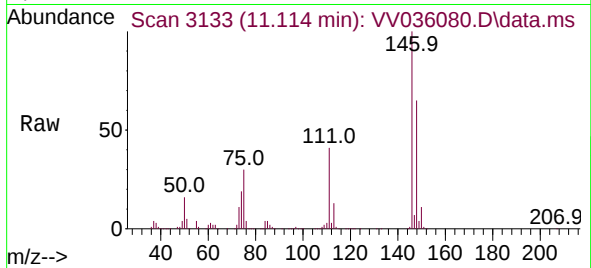
120 45.3 36.2 54.4



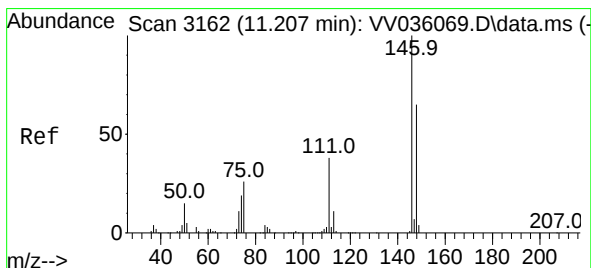
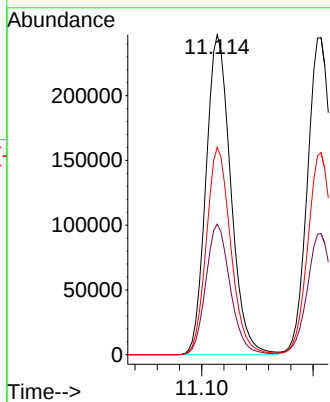
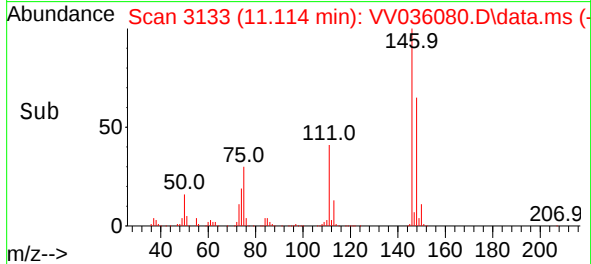


#64
1,3-Dichlorobenzene
Concen: 25.605 ug/L
RT: 11.114 min Scan# 3133
Delta R.T. 0.000 min
Lab File: VV036080.D
Acq: 13 Jun 2024 23:22

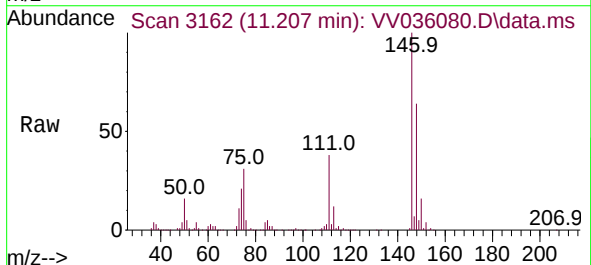
Instrument :
MSVOA_V
ClientSampleId :



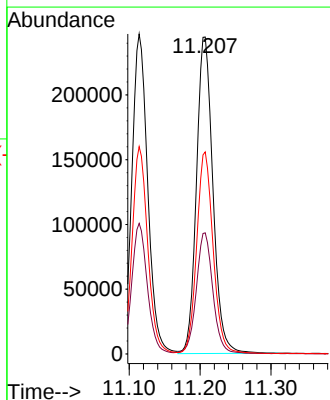
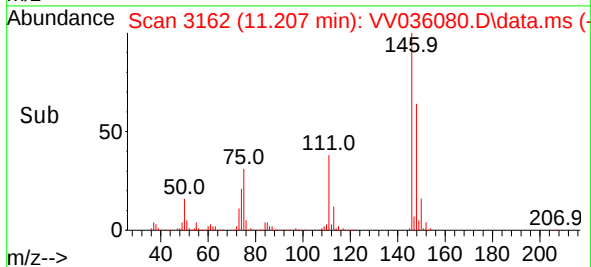
Tgt Ion:146 Resp: 381511
Ion Ratio Lower Upper
146 100
111 40.8 28.1 52.1
148 64.8 44.7 83.1

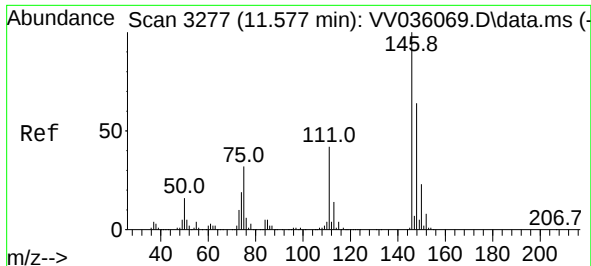


#65
1,4-Dichlorobenzene
Concen: 25.628 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.000 min
Lab File: VV036080.D
Acq: 13 Jun 2024 23:22



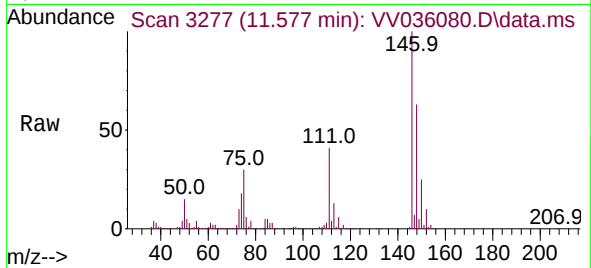
Tgt Ion:146 Resp: 394136
Ion Ratio Lower Upper
146 100
111 38.2 26.9 50.1
148 63.8 44.5 82.7



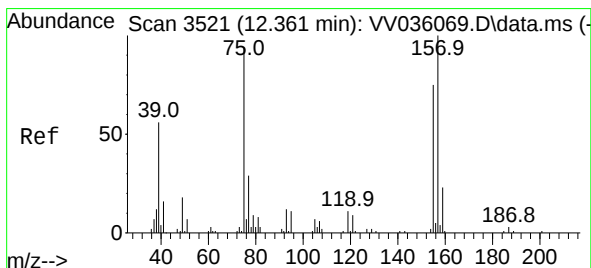
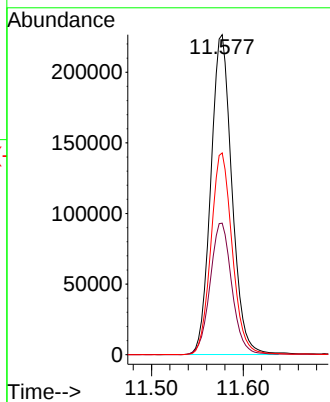
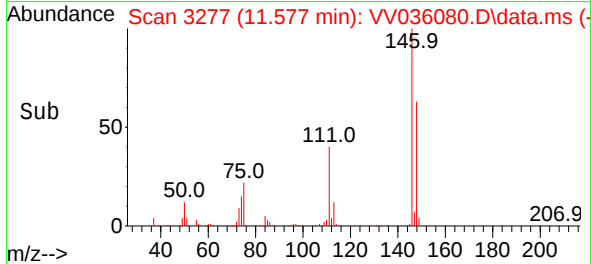


#67
1,2-Dichlorobenzene
Concen: 25.825 ug/L
RT: 11.577 min Scan# 3277
Delta R.T. 0.000 min
Lab File: VV036080.D
Acq: 13 Jun 2024 23:22

Instrument :
MSVOA_V
ClientSampleId :

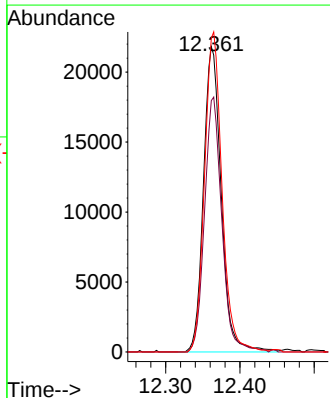
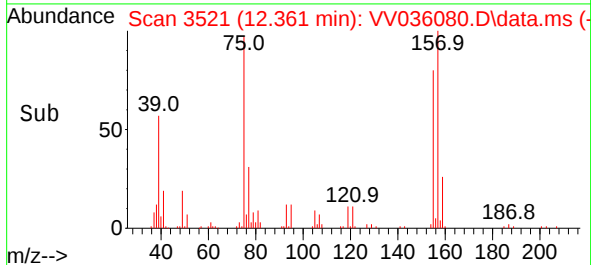
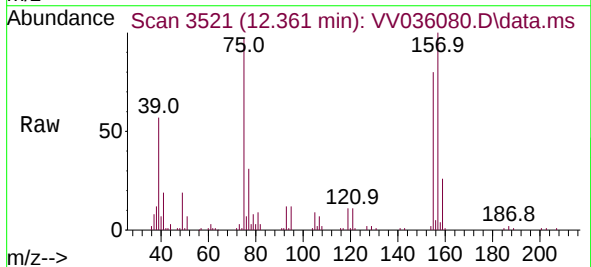


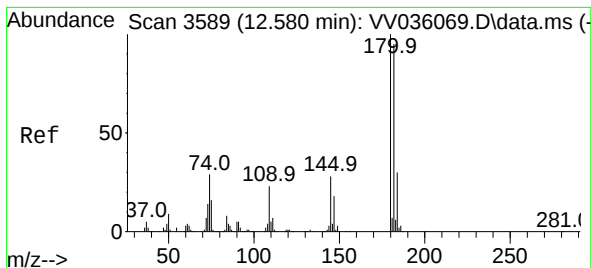
Tgt Ion:146 Resp: 362092
Ion Ratio Lower Upper
146 100
111 41.1 33.5 50.3
148 63.0 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 30.964 ug/L
RT: 12.361 min Scan# 3521
Delta R.T. 0.000 min
Lab File: VV036080.D
Acq: 13 Jun 2024 23:22

Tgt Ion: 75 Resp: 36214
Ion Ratio Lower Upper
75 100
155 82.3 63.3 94.9
157 102.7 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 22.601 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

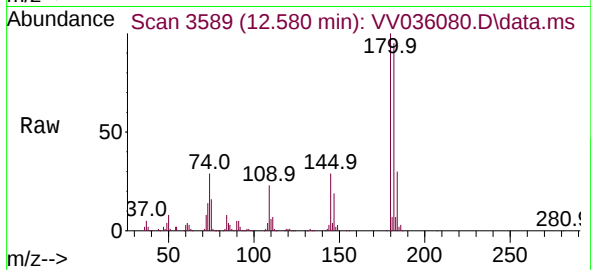
Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 251894

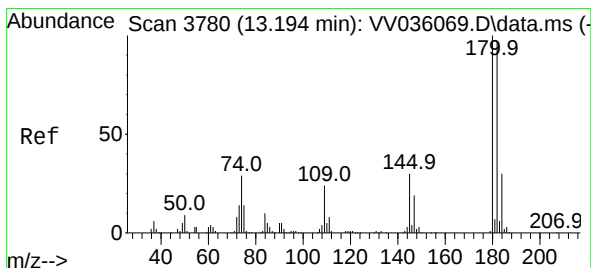
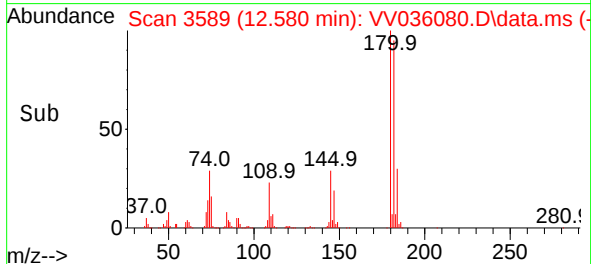
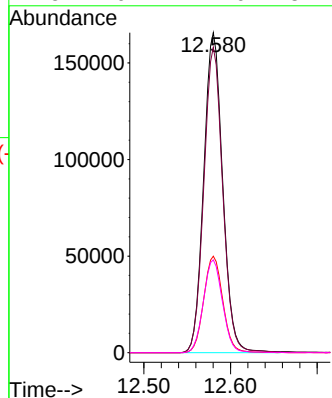
Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.4

184 30.3 24.2 36.2

145 29.1 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 23.300 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

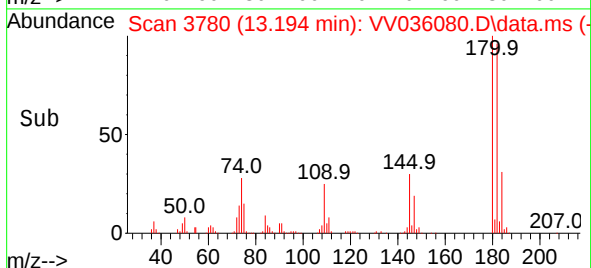
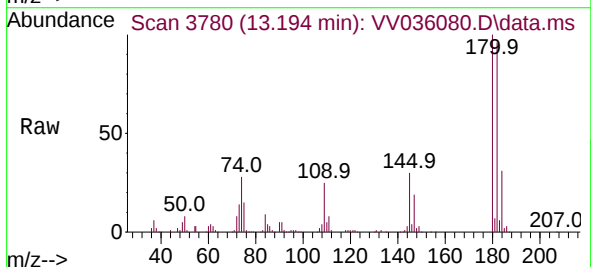
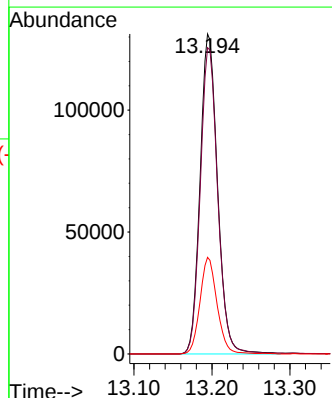
Tgt Ion:180 Resp: 204465

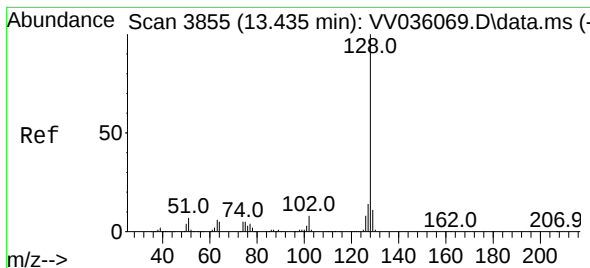
Ion Ratio Lower Upper

180 100

182 95.4 76.1 114.1

145 29.4 23.5 35.3





#71

Naphthalene

Concen: 42.392 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

Instrument :

MSVOA_V

ClientSampleId :

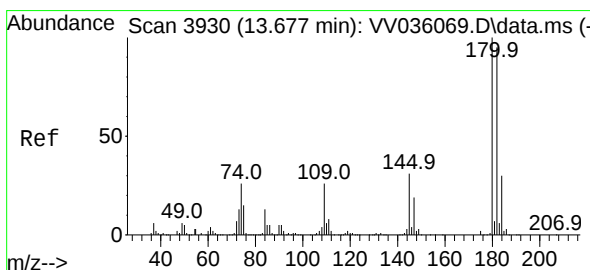
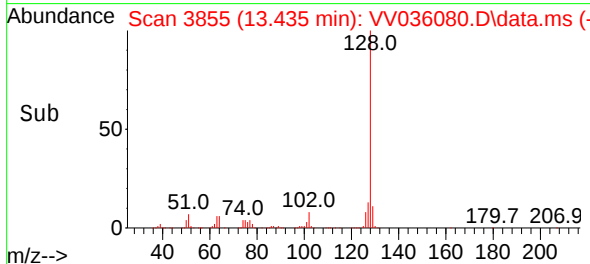
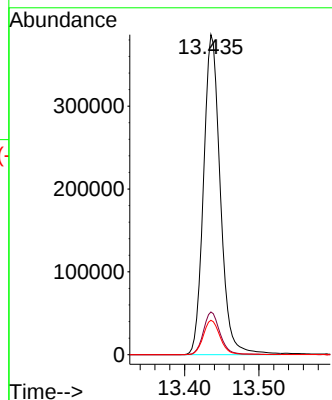
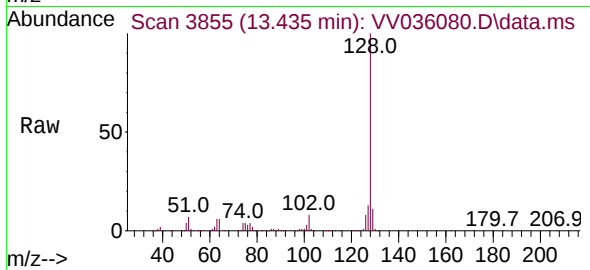
Tgt Ion:128 Resp: 607103

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

129 10.7 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 25.784 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV036080.D

Acq: 13 Jun 2024 23:22

Tgt Ion:180 Resp: 206474

Ion Ratio Lower Upper

180 100

182 96.2 75.1 112.7

145 31.3 25.2 37.8

