

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062424\
 Data File : VV036235.D
 Acq On : 24 Jun 2024 10:15
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 25 04:50:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 22 02:57:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	275218	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	281671	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	152111	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	92794	18.339	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.360%
7) Chloroethane-d5	1.529	69	80260	19.893	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.560%
11) 1,1-Dichloroethene-d2	2.050	65	44526	19.767	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.080%
21) 2-Butanone-d5	3.847	46	27030	23.283	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	46.560%
24) Chloroform-d	4.243	84	192510	22.002	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	4.937	65	99692	21.731	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.920%
32) Benzene-d6	4.953	84	349754	20.889	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.560%
36) 1,2-Dichloropropane-d6	5.985	67	109335	20.736	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.960%
41) Toluene-d8	7.239	98	317183	21.470	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.880%
43) trans-1,3-Dichloroprop...	7.551	79	45364	20.983	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.920%
47) 2-Hexanone-d5	8.034	63	31439	44.010	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.020%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	92321	23.432	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.720%
66) 1,2-Dichlorobenzene-d4	11.558	152	116094	20.813	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	119337	24.048	ug/L	100
3) Chloromethane	1.211	50	133906	23.513	ug/L	98
5) Vinyl chloride	1.278	62	156111	26.038	ug/L	99
6) Bromomethane	1.484	94	105212	28.287	ug/L	99
8) Chloroethane	1.545	64	100925	27.082	ug/L	100
9) Trichlorofluoromethane	1.709	101	220809	29.656	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	142413	30.138	ug/L	100
12) 1,1-Dichloroethene	2.063	96	127738	28.984	ug/L	89
13) Acetone	2.388	43	49513	27.380	ug/L	69
14) Carbon disulfide	2.230	76	388234	25.367	ug/L	100
15) Methyl Acetate	2.388	43	54173	24.101	ug/L	95
16) Methylene chloride	2.439	84	151727	24.364	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	124246	26.539	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	292084	27.791	ug/L	99
19) 1,1-Dichloroethane	3.105	63	242170	27.163	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	129248	27.475	ug/L	98
22) 2-Butanone	3.912	43	68773	44.819	ug/L	83
23) Bromochloromethane	4.140	128	66196	28.053	ug/L	98
25) Chloroform	4.269	83	252604	27.543	ug/L	100

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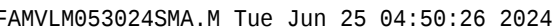
Instrument :
 MSVOA_V
 ClientSampleId :

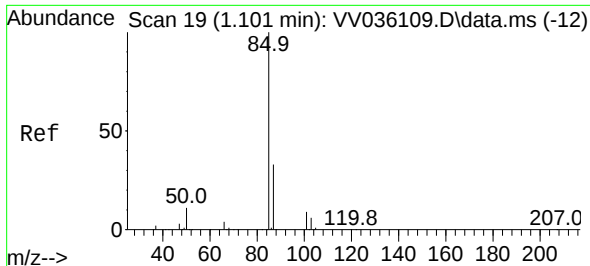
Quant Time: Jun 25 04:50:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 22 02:57:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	161534	28.212	ug/L	98
29) Cyclohexane	4.574	56	175666	26.194	ug/L	97
30) 1,1,1-Trichloroethane	4.506	97	213192	27.686	ug/L	99
31) Carbon tetrachloride	4.728	117	185206	27.416	ug/L	99
33) Benzene	5.002	78	512711	27.831	ug/L	100
34) Trichloroethene	5.828	95	150140	26.592	ug/L	99
35) Methylcyclohexane	6.043	83	209680	26.855	ug/L	99
37) 1,2-Dichloropropane	6.088	63	136053	28.126	ug/L	100
38) Bromodichloromethane	6.429	83	179157	27.982	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	195120	26.969	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	141702	53.918	ug/L	97
42) Toluene	7.310	91	545540	28.981	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	177570	28.415	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	111325	27.814	ug/L	99
46) Tetrachloroethene	7.902	164	109210	26.447	ug/L	99
48) 2-Hexanone	8.079	43	115010	55.977	ug/L	98
49) Dibromochloromethane	8.172	129	123685	28.236	ug/L	99
50) 1,2-Dibromoethane	8.281	107	107755	28.058	ug/L	97
51) Chlorobenzene	8.812	112	352895	27.514	ug/L	98
52) Ethylbenzene	8.944	91	575441	28.572	ug/L	99
53) m,p-Xylene	9.069	106	219580	29.016	ug/L	99
54) o-Xylene	9.477	106	204956	28.720	ug/L	97
55) Styrene	9.493	104	382289	30.377	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	105303	29.383	ug/L	99
59) Bromoform	9.664	173	79173	27.600	ug/L	99
60) Isopropylbenzene	9.863	105	565251	28.965	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	98001	27.241	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	398535	28.163	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	444243	29.137	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	280226	27.343	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	292159	27.619	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	261096	27.073	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	22720	28.242	ug/L	92
69) 1,3,5-Trichlorobenzene	12.580	180	200720	26.183	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	163349	27.062	ug/L	100
71) Naphthalene	13.435	128	290258	29.466	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	159108	28.886	ug/L	99

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

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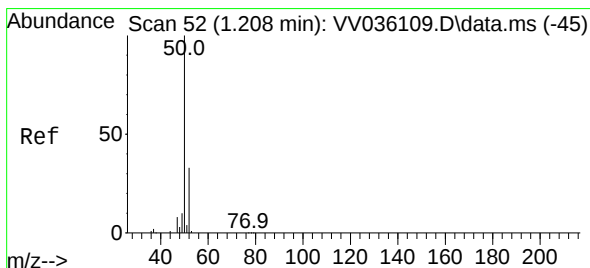
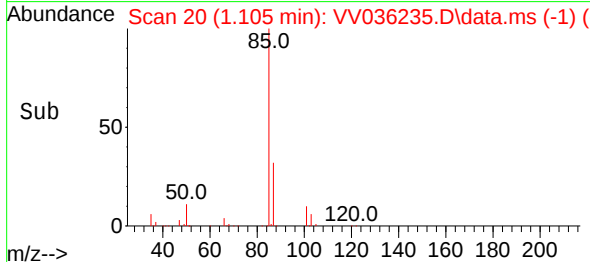
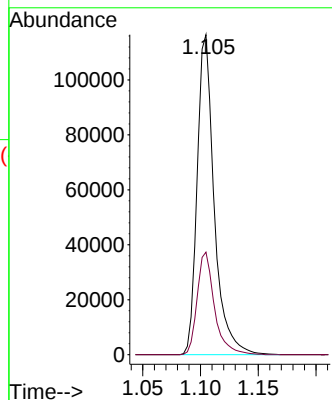
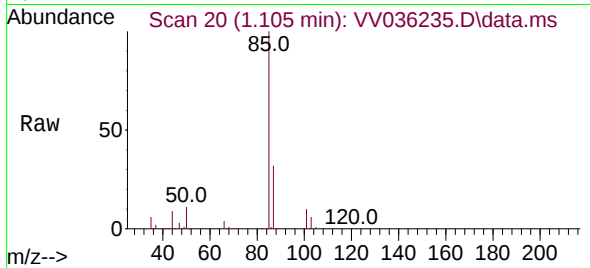




#2
Dichlorodifluoromethane
Concen: 24.048 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

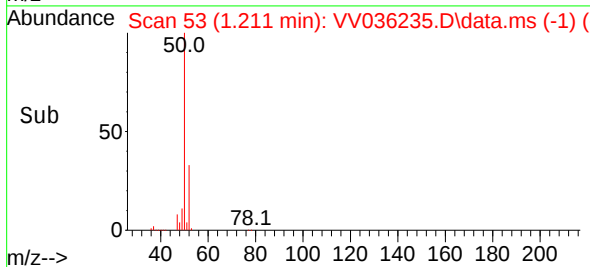
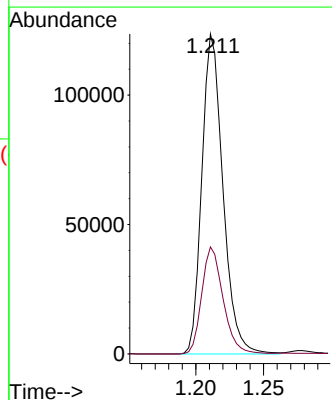
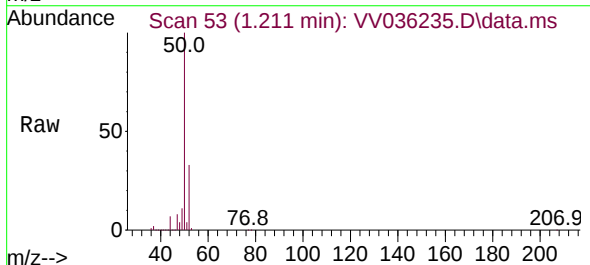
Instrument :
MSVOA_V
ClientSampleId :

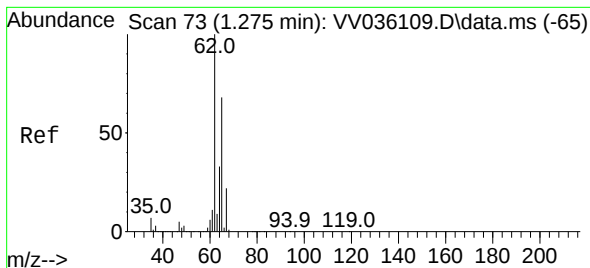
Tgt Ion: 85 Resp: 119337
Ion Ratio Lower Upper
85 100
87 32.5 25.9 38.9



#3
Chloromethane
Concen: 23.513 ug/L
RT: 1.211 min Scan# 53
Delta R.T. 0.000 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

Tgt Ion: 50 Resp: 133906
Ion Ratio Lower Upper
50 100
52 33.4 22.8 42.4





#5

Vinyl chloride

Concen: 26.038 ug/L

RT: 1.278 min Scan# 74

Delta R.T. 0.003 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

Instrument :

MSVOA_V

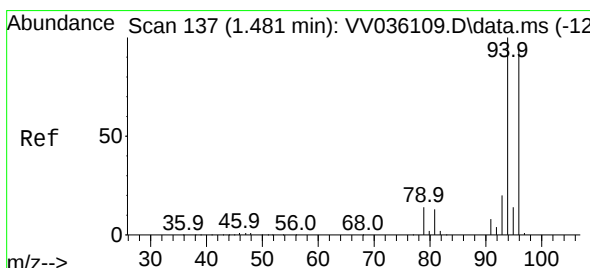
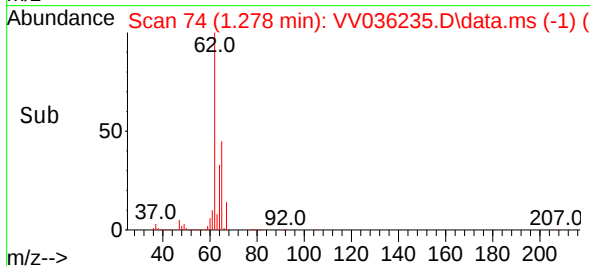
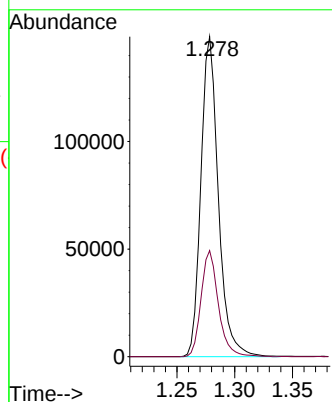
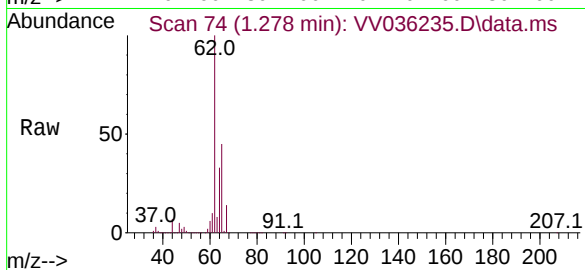
ClientSampleId :

Tgt Ion: 62 Resp: 156111

Ion Ratio Lower Upper

62 100

64 33.1 22.9 42.5



#6

Bromomethane

Concen: 28.287 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.003 min

Lab File: VV036235.D

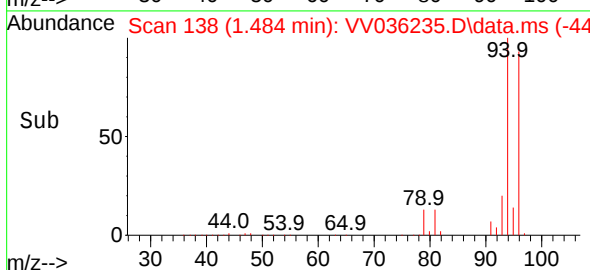
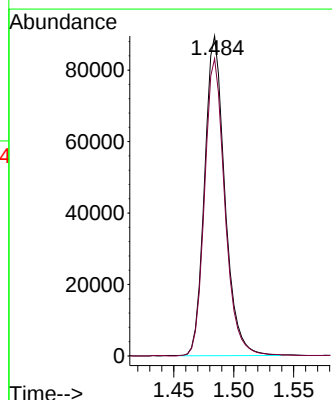
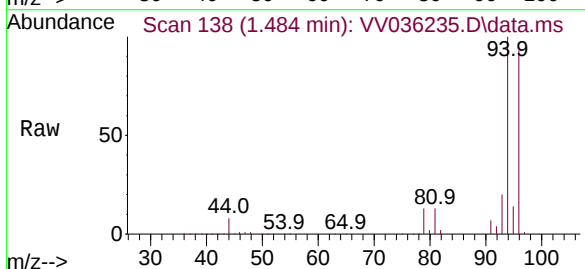
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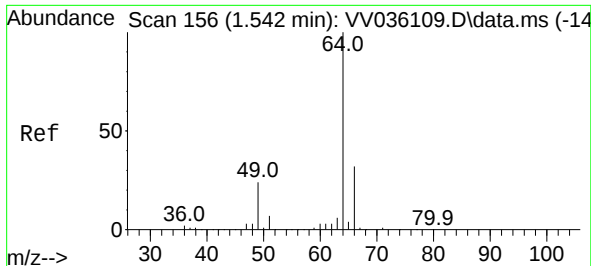
Tgt Ion: 94 Resp: 105212

Ion Ratio Lower Upper

94 100

96 92.9 65.7 122.1

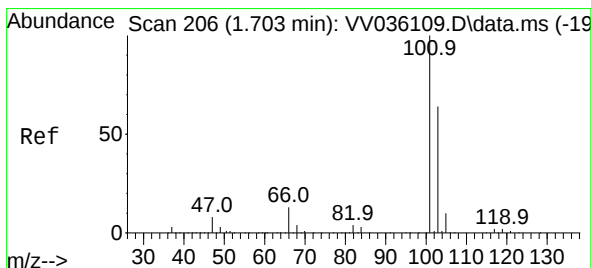
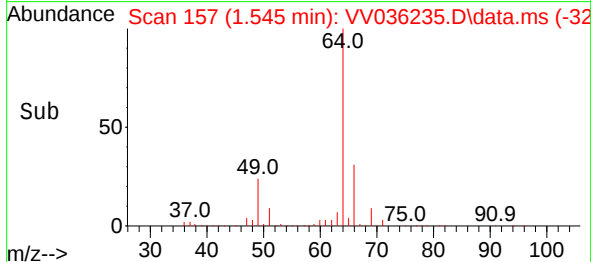
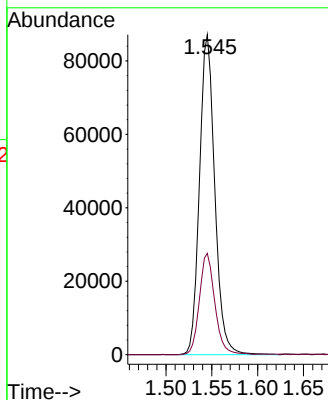
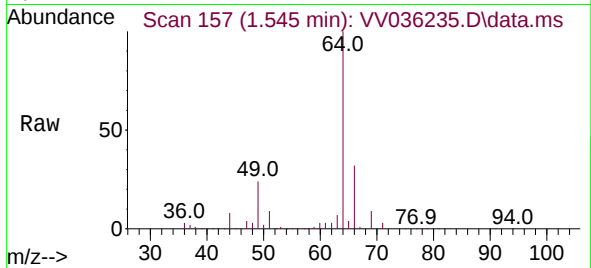




#8
Chloroethane
Concen: 27.082 ug/L
RT: 1.545 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

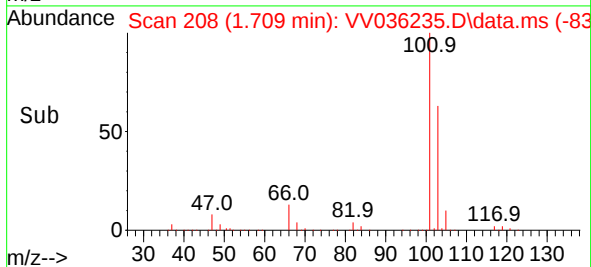
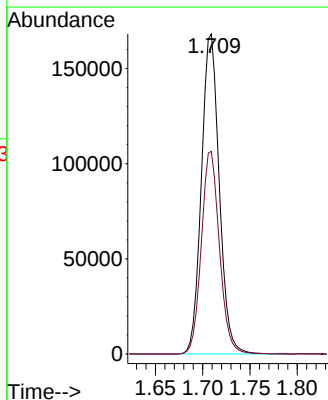
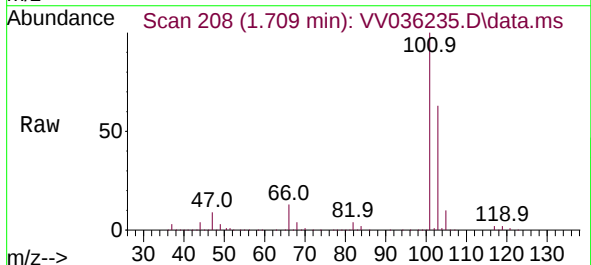
Instrument :
MSVOA_V
ClientSampleId :

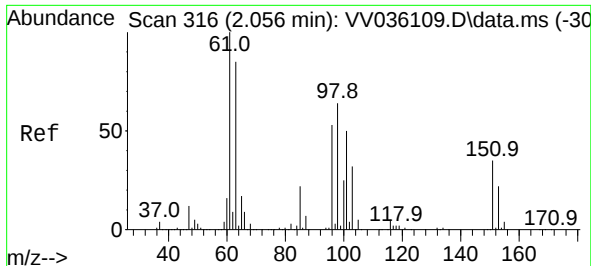
Tgt Ion: 64 Resp: 100925
Ion Ratio Lower Upper
64 100
66 31.6 22.0 41.0



#9
Trichlorofluoromethane
Concen: 29.656 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.003 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

Tgt Ion:101 Resp: 220809
Ion Ratio Lower Upper
101 100
103 64.1 51.8 77.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 30.138 ug/L

RT: 2.060 min Scan# 317

Delta R.T. 0.000 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

Instrument :

MSVOA_V

ClientSampleId :

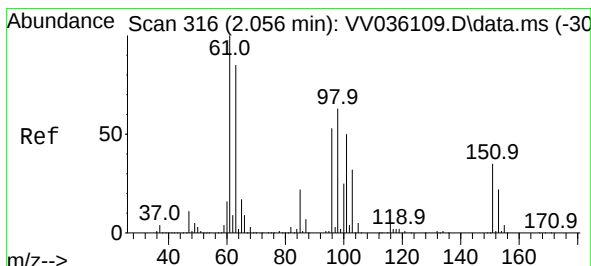
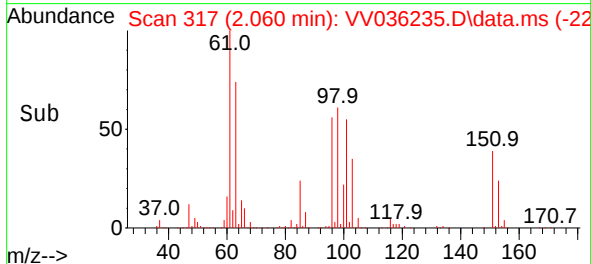
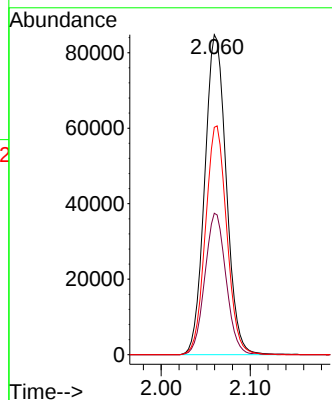
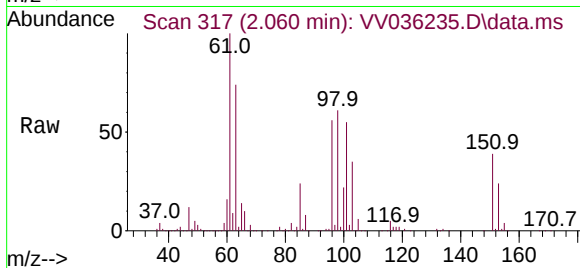
Tgt Ion:101 Resp: 142413

Ion Ratio Lower Upper

101 100

85 43.4 34.5 51.7

151 70.8 56.3 84.5



#12

1,1-Dichloroethene

Concen: 28.984 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.003 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

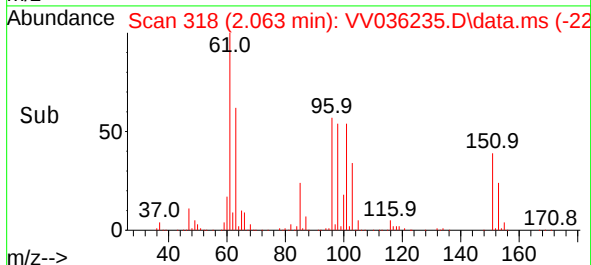
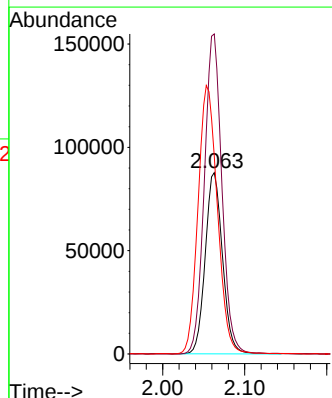
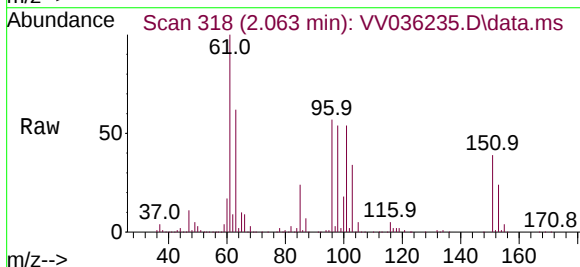
Tgt Ion: 96 Resp: 127738

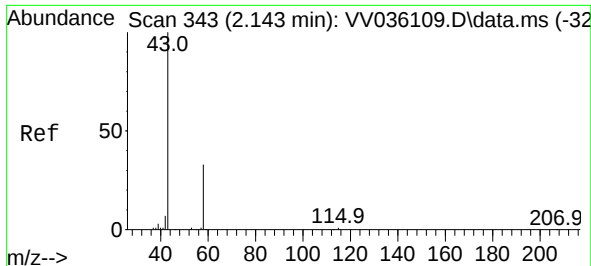
Ion Ratio Lower Upper

96 100

61 176.5 127.3 236.3

63 109.0 93.7 173.9





#13

Acetone

Concen: 27.380 ug/L

RT: 2.388 min Scan# 41

Delta R.T. 0.238 min

Lab File: VV036235.D

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Instrument :

MSVOA_V

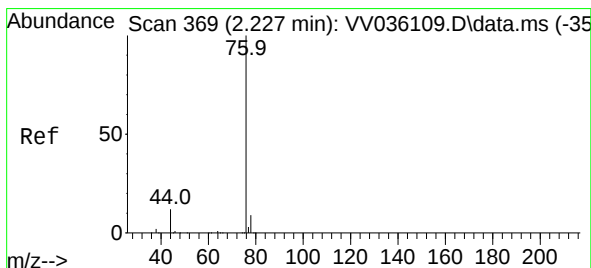
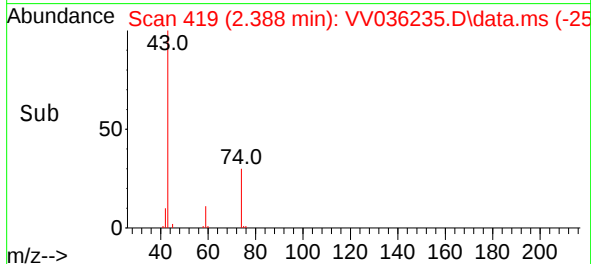
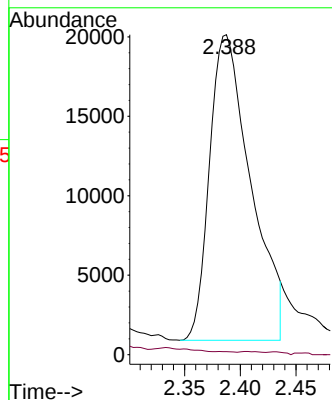
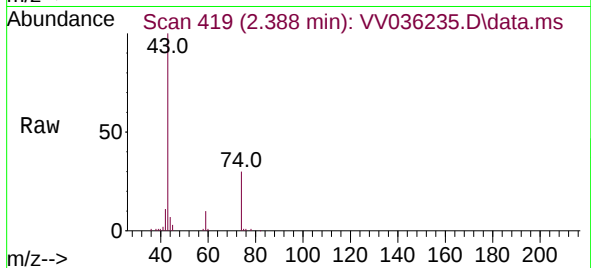
ClientSampleId :

Tgt Ion: 43 Resp: 49513

Ion Ratio Lower Upper

43 100

58 0.1 0.0 24.2



#14

Carbon disulfide

Concen: 25.367 ug/L

RT: 2.230 min Scan# 370

Delta R.T. 0.000 min

Lab File: VV036235.D

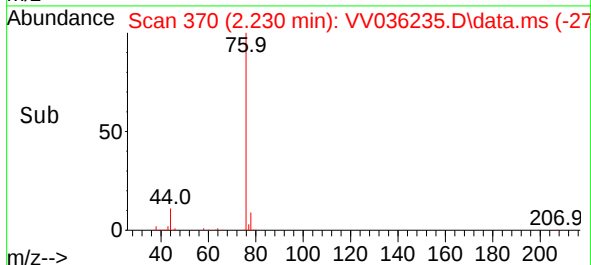
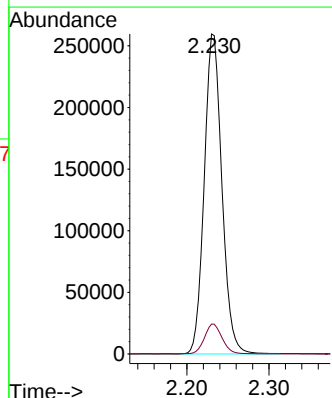
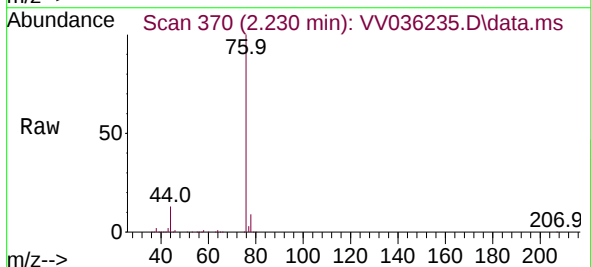
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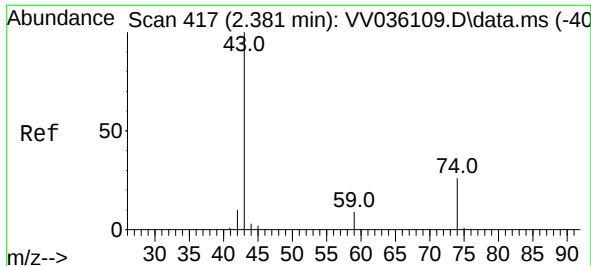
Tgt Ion: 76 Resp: 388234

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2

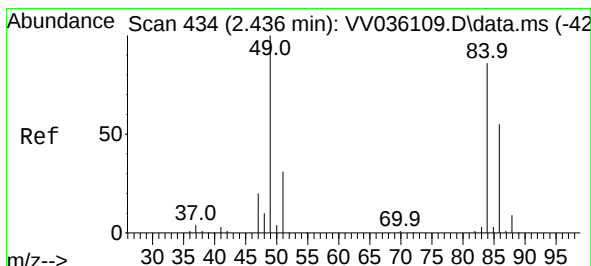
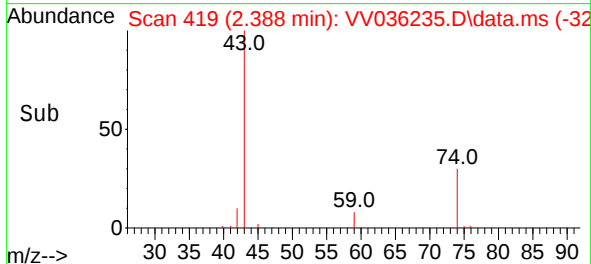
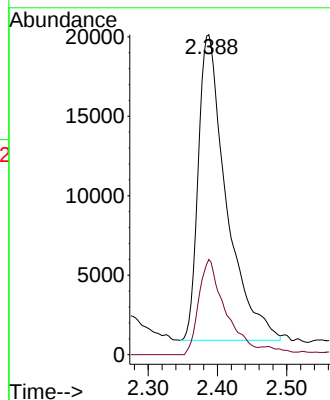
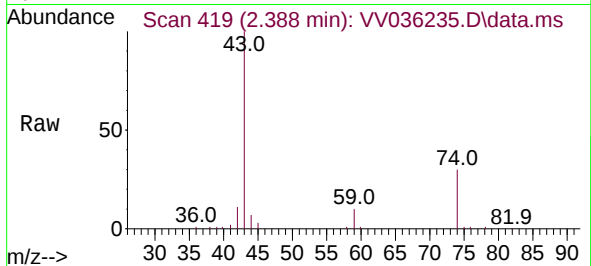




#15
Methyl Acetate
Concen: 24.101 ug/L
RT: 2.388 min Scan# 417
Delta R.T. 0.003 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

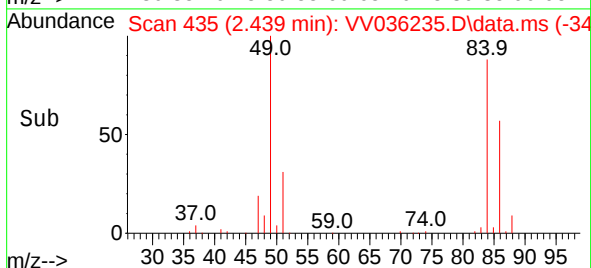
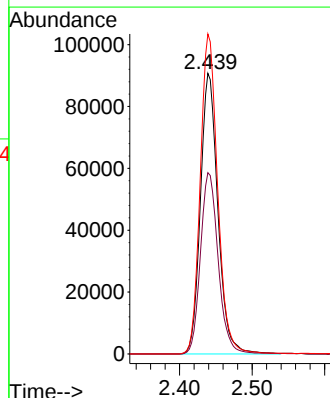
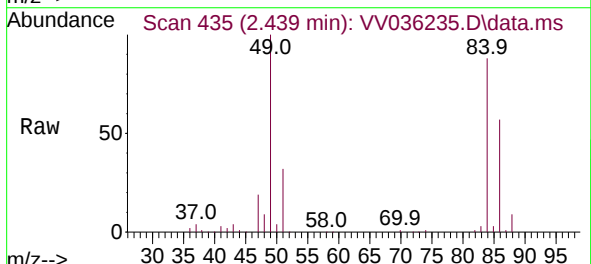
Instrument :
MSVOA_V
ClientSampleId :

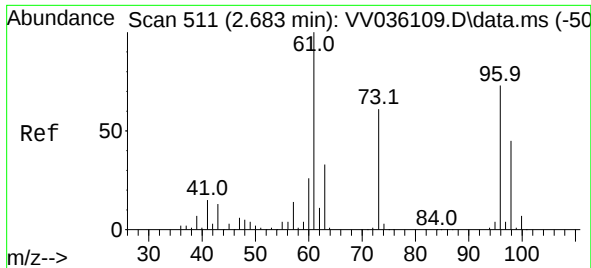
Tgt Ion: 43 Resp: 54173
Ion Ratio Lower Upper
43 100
74 29.4 21.4 32.2



#16
Methylene chloride
Concen: 24.364 ug/L
RT: 2.439 min Scan# 435
Delta R.T. 0.000 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

Tgt Ion: 84 Resp: 151727
Ion Ratio Lower Upper
84 100
86 64.6 44.6 82.8
49 114.0 81.1 150.5

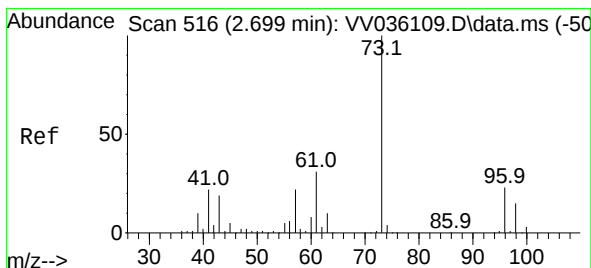
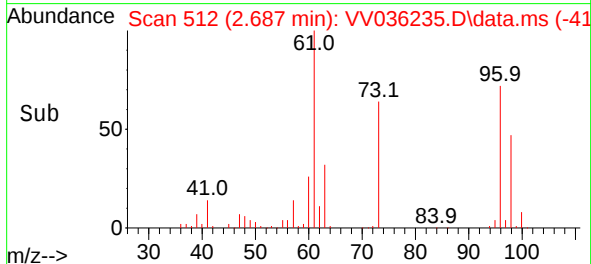
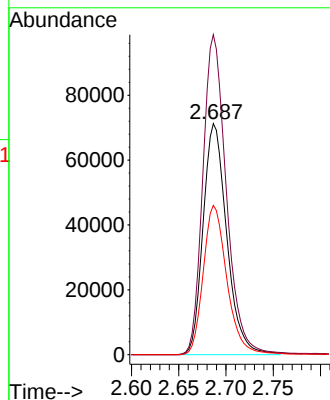
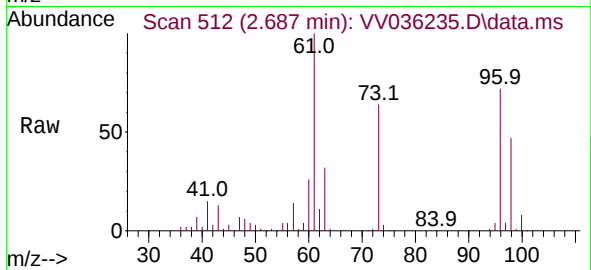




#17
trans-1,2-Dichloroethene
Concen: 26.539 ug/L
RT: 2.687 min Scan# 511
Delta R.T. 0.000 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

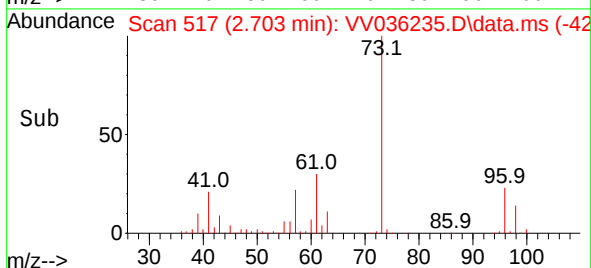
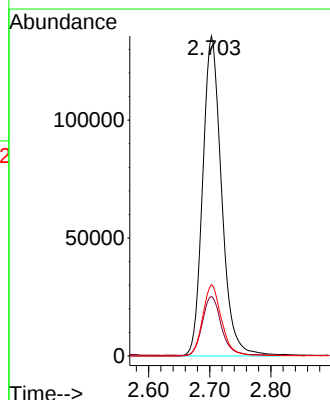
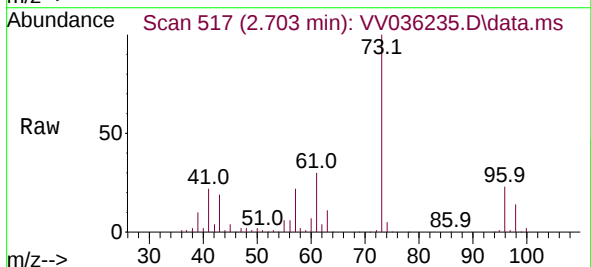
Instrument :
MSVOA_V
ClientSampleId :

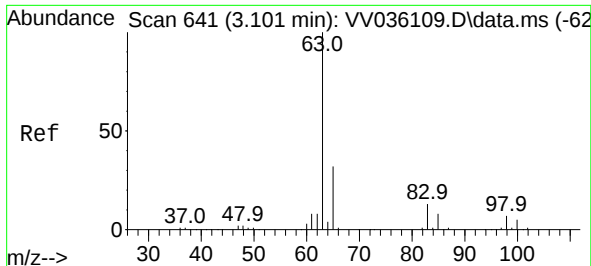
Tgt Ion: 96 Resp: 124246
Ion Ratio Lower Upper
96 100
61 138.5 99.4 184.6
98 64.6 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 27.791 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

Tgt Ion: 73 Resp: 292084
Ion Ratio Lower Upper
73 100
43 18.3 14.3 21.5
57 22.1 17.8 26.6





#19

1,1-Dichloroethane

Concen: 27.163 ug/L

RT: 3.105 min Scan# 641

Delta R.T. 0.000 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

Instrument :

MSVOA_V

ClientSampleId :

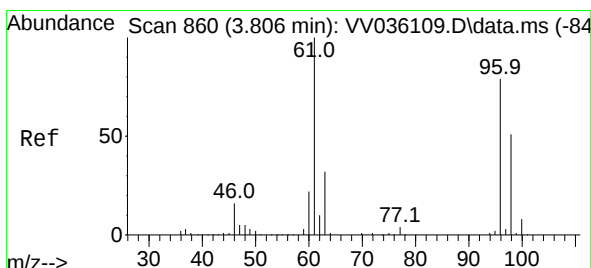
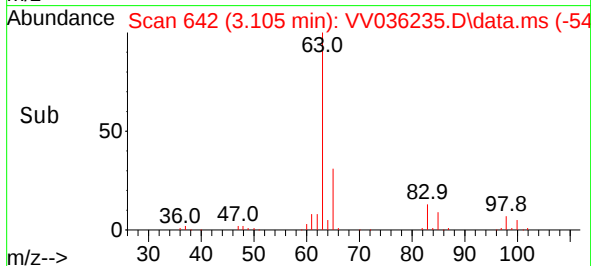
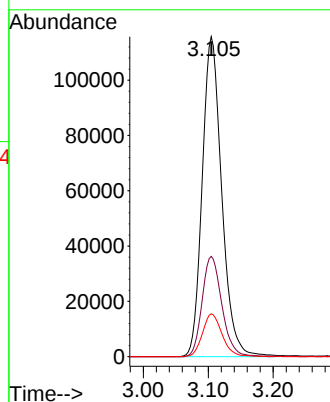
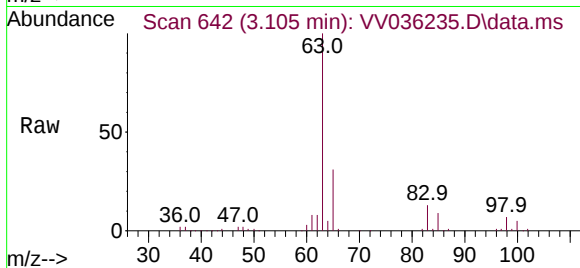
Tgt Ion: 63 Resp: 242170

Ion Ratio Lower Upper

63 100

65 31.3 22.4 41.6

83 13.4 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 27.475 ug/L

RT: 3.809 min Scan# 861

Delta R.T. -0.003 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

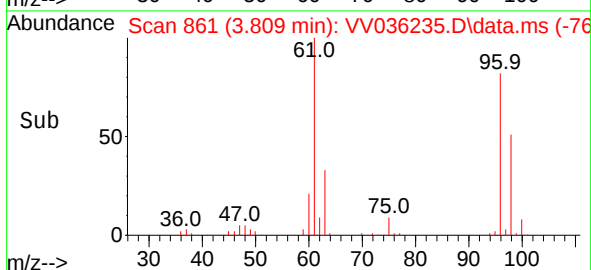
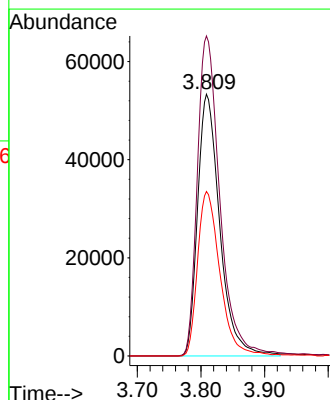
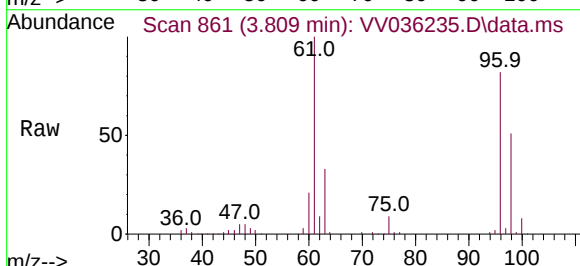
Tgt Ion: 96 Resp: 129248

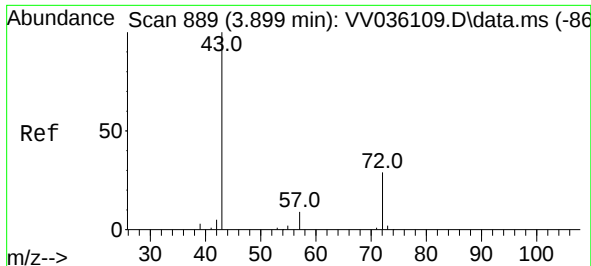
Ion Ratio Lower Upper

96 100

61 122.3 87.9 163.3

98 62.9 44.4 82.5

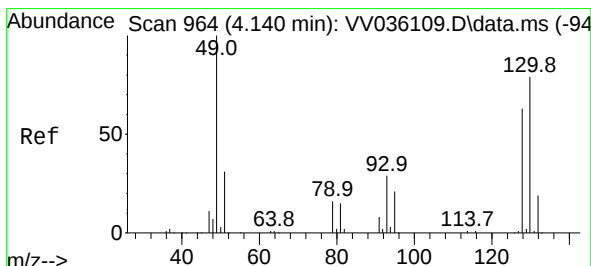
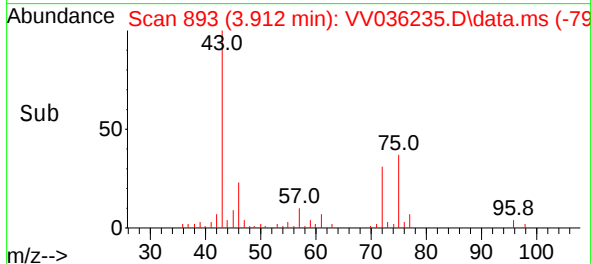
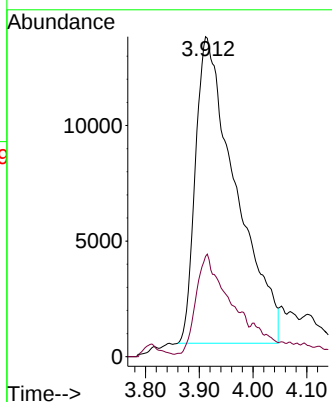
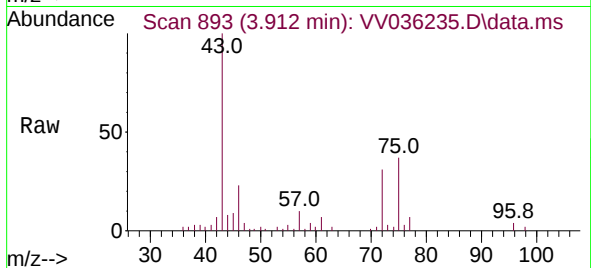




#22
2-Butanone
Concen: 44.819 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.007 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

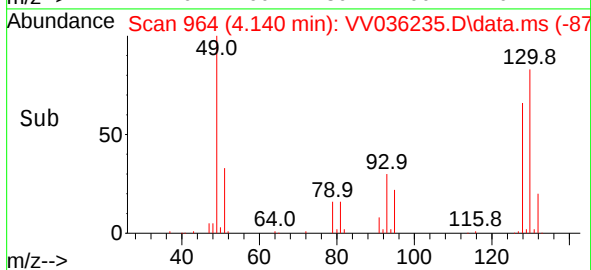
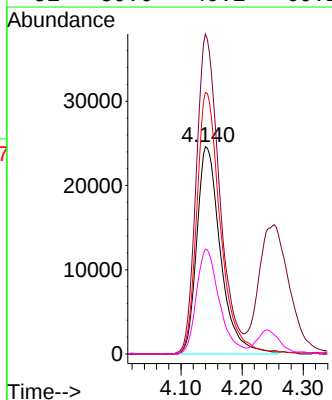
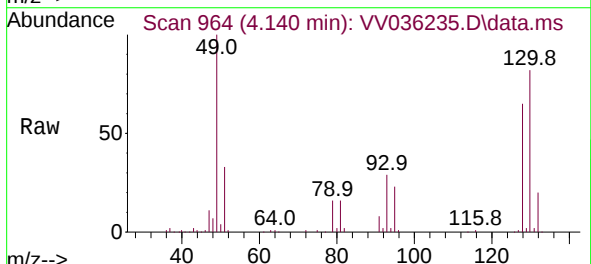
Instrument :
MSVOA_V
ClientSampleId :

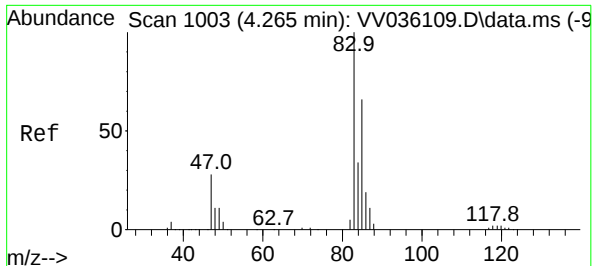
Tgt Ion: 43 Resp: 68773
Ion Ratio Lower Upper
43 100
72 23.6 8.2 24.4



#23
Bromochloromethane
Concen: 28.053 ug/L
RT: 4.140 min Scan# 964
Delta R.T. -0.003 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

Tgt Ion: 128 Resp: 66196
Ion Ratio Lower Upper
128 100
49 154.4 110.2 204.6
130 126.2 90.2 167.4
51 50.6 40.2 60.2





#25

Chloroform

Concen: 27.543 ug/L

RT: 4.269 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

Instrument :

MSVOA_V

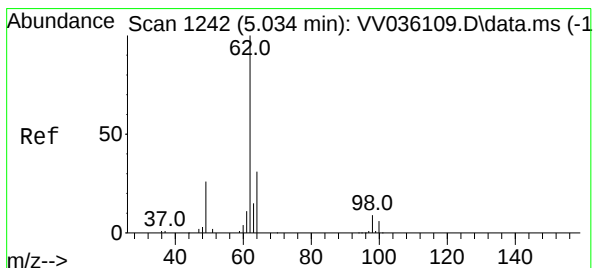
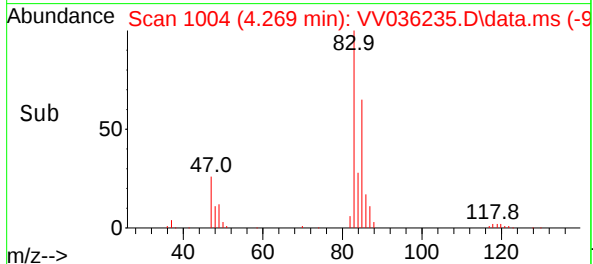
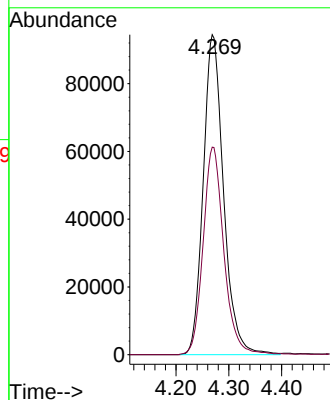
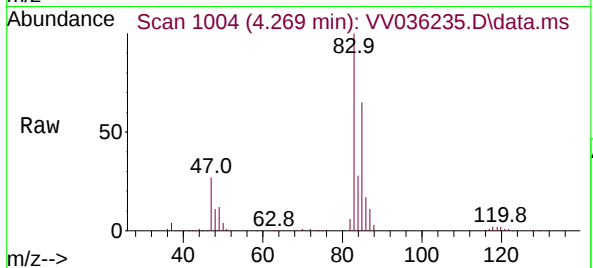
ClientSampleId :

Tgt Ion: 83 Resp: 252604

Ion Ratio Lower Upper

83 100

85 64.9 45.2 84.0



#27

1,2-Dichloroethane

Concen: 28.212 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV036235.D

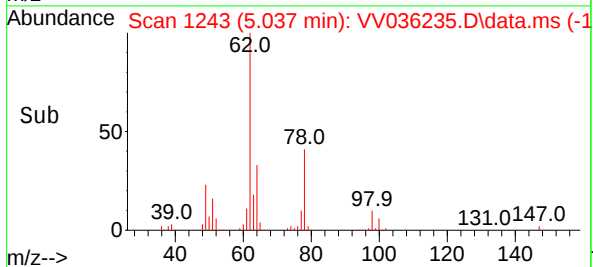
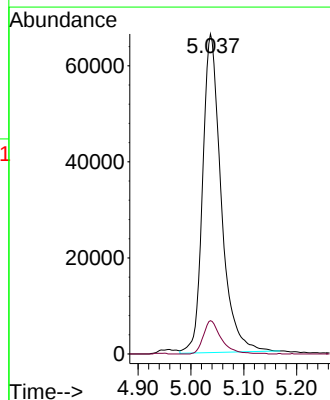
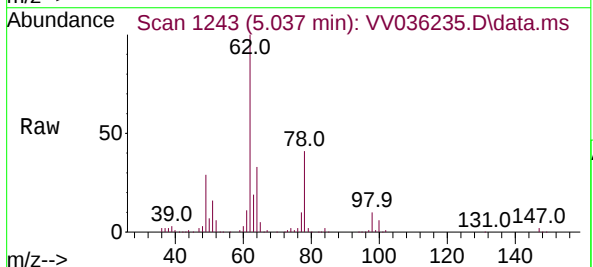
Acq: 24 Jun 2024 10:15

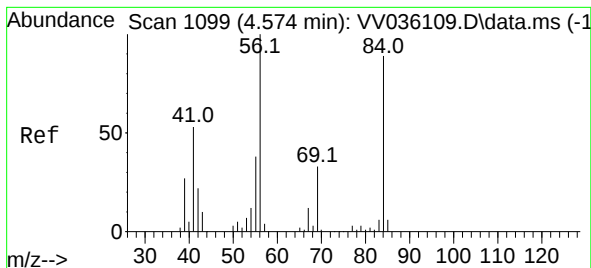
Tgt Ion: 62 Resp: 161534

Ion Ratio Lower Upper

62 100

98 10.4 7.8 11.6





#29

Cyclohexane

Concen: 26.194 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. -0.003 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

Instrument :

MSVOA_V

ClientSampleId :

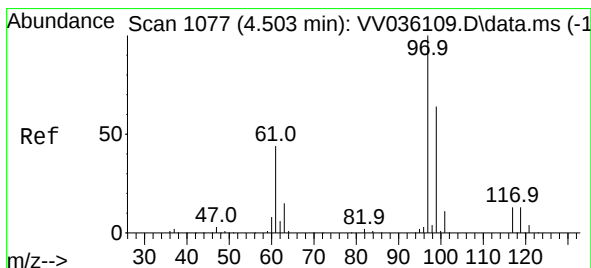
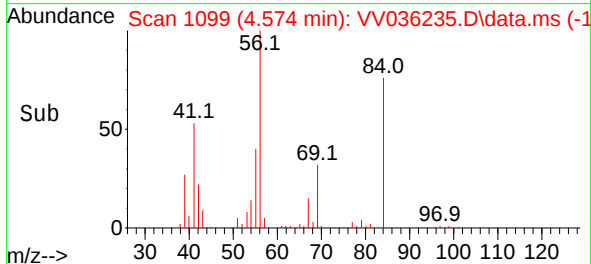
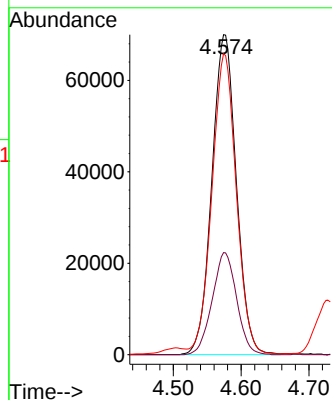
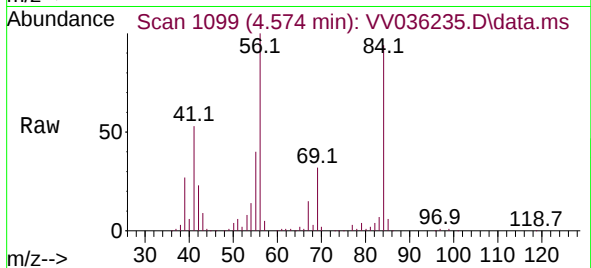
Tgt Ion: 56 Resp: 175666

Ion Ratio Lower Upper

56 100

69 31.8 25.2 37.8

84 93.3 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 27.686 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

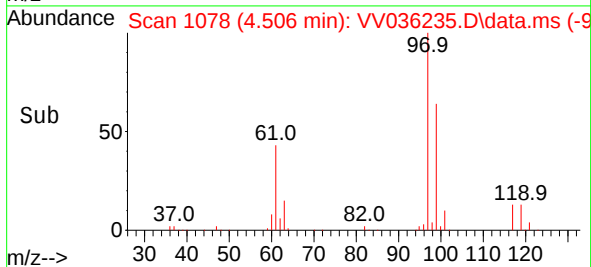
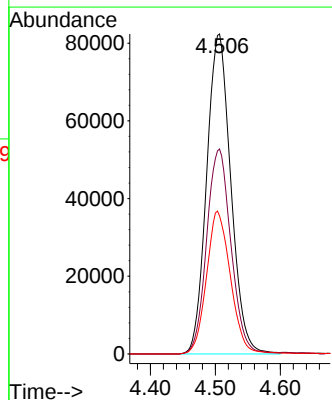
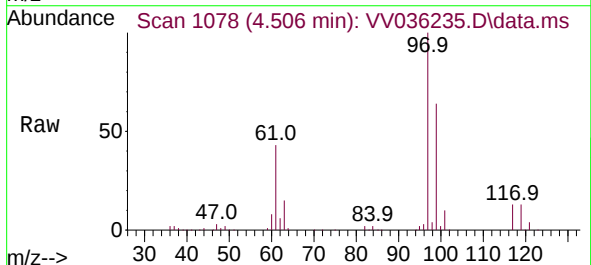
Tgt Ion: 97 Resp: 213192

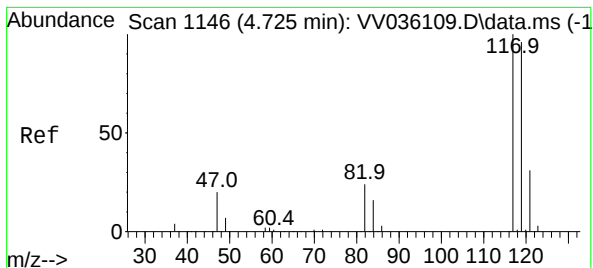
Ion Ratio Lower Upper

97 100

99 64.4 50.9 76.3

61 44.0 35.0 52.6





#31

Carbon tetrachloride

Concen: 27.416 ug/L

RT: 4.728 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

Instrument :

MSVOA_V

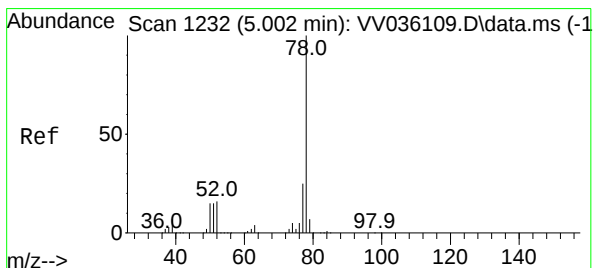
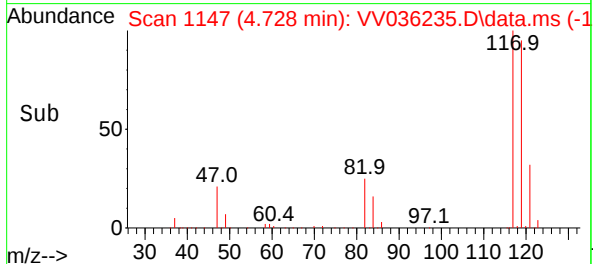
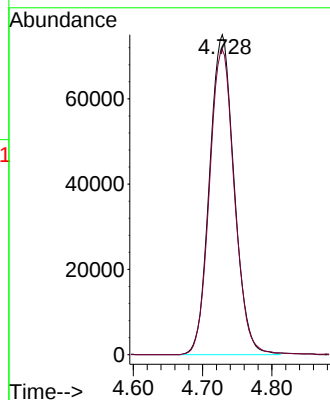
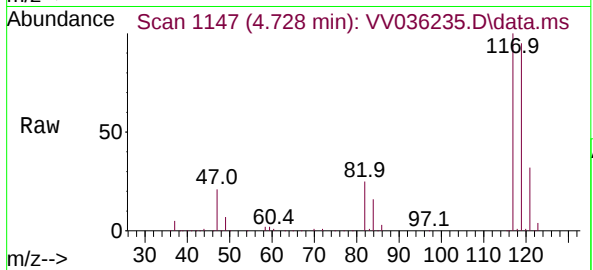
ClientSampleId :

Tgt Ion:117 Resp: 185206

Ion Ratio Lower Upper

117 100

119 96.9 76.8 115.2



#33

Benzene

Concen: 27.831 ug/L

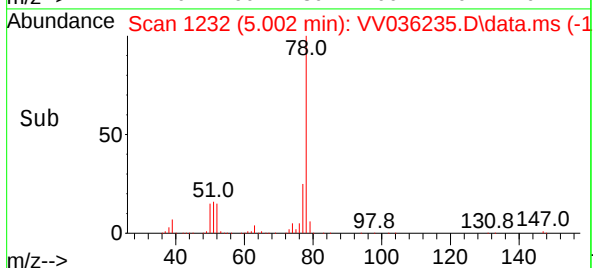
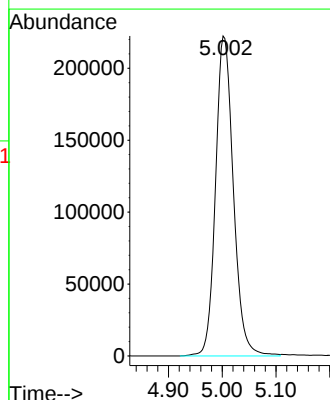
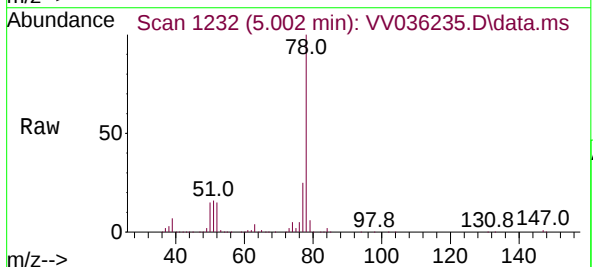
RT: 5.002 min Scan# 1232

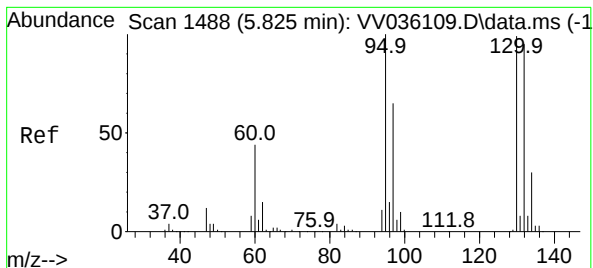
Delta R.T. -0.003 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

Tgt Ion: 78 Resp: 512711





#34

Trichloroethene

Concen: 26.592 ug/L

RT: 5.828 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 150140

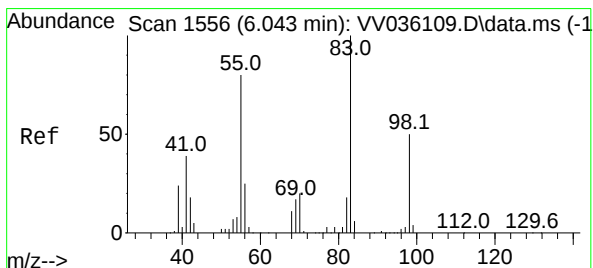
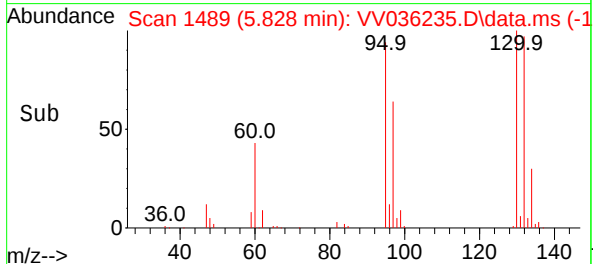
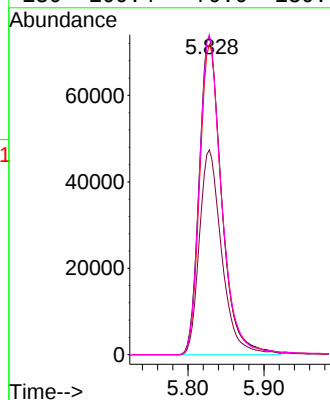
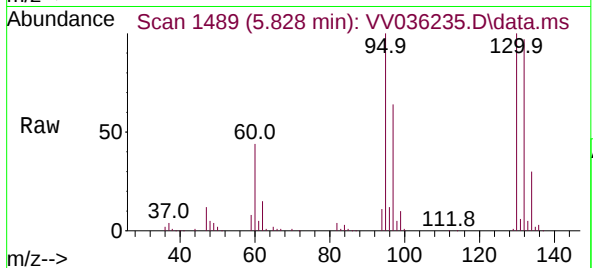
Ion Ratio Lower Upper

95 100

97 64.3 44.8 83.2

132 97.4 66.8 124.2

130 100.4 70.0 130.0



#35

Methylcyclohexane

Concen: 26.855 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. -0.003 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

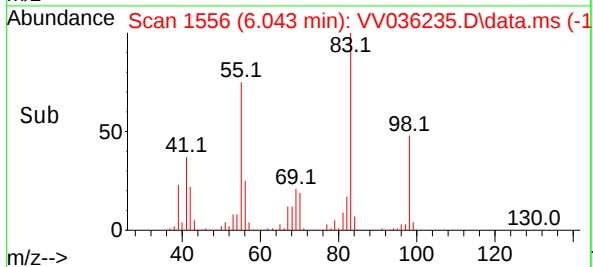
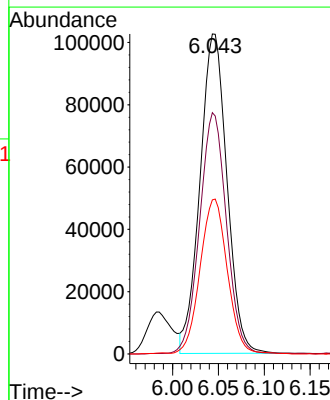
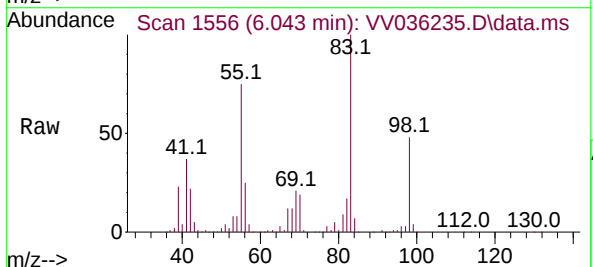
Tgt Ion: 83 Resp: 209680

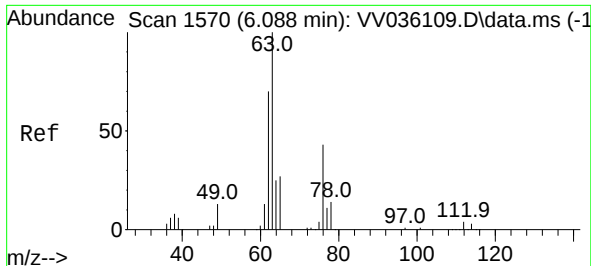
Ion Ratio Lower Upper

83 100

55 75.3 60.7 91.1

98 49.1 38.7 58.1

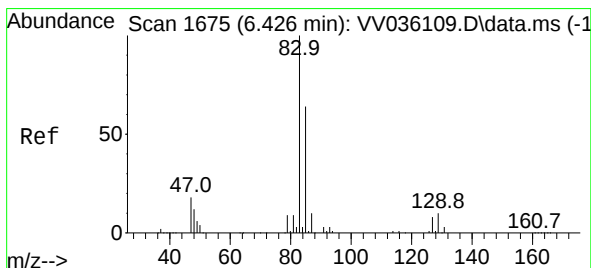
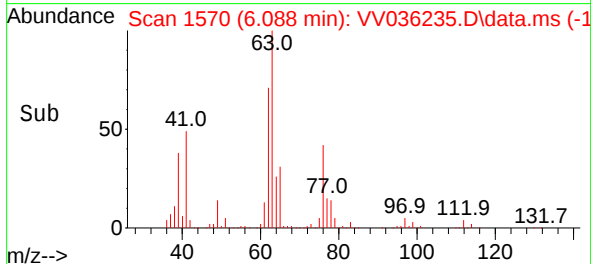
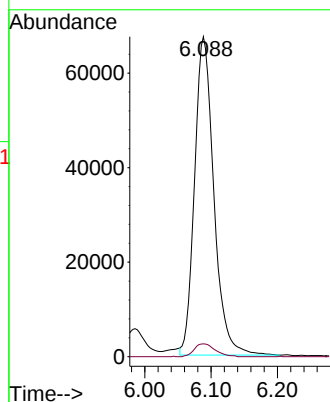
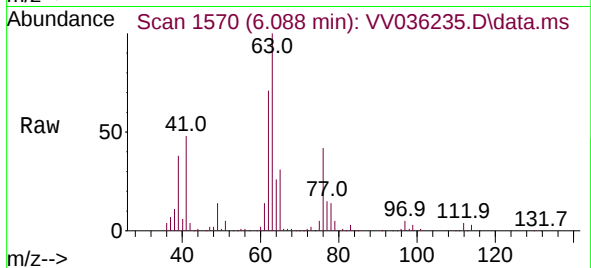




#37
1,2-Dichloropropane
Concen: 28.126 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

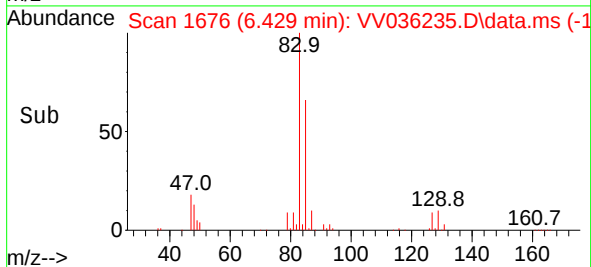
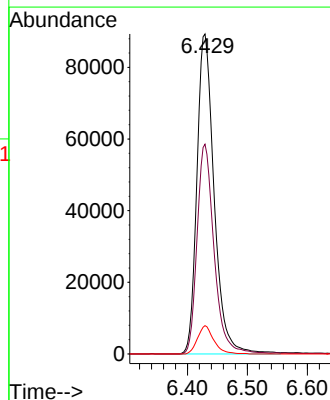
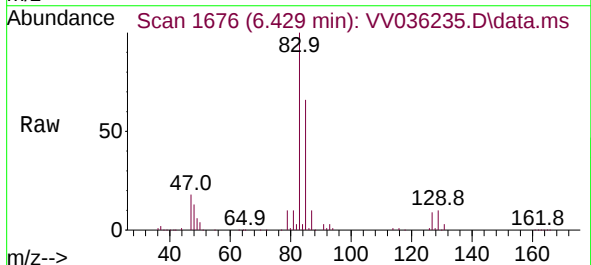
Instrument :
MSVOA_V
ClientSampleId :

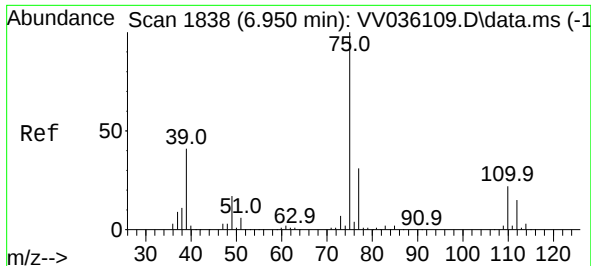
Tgt Ion: 63 Resp: 136053
Ion Ratio Lower Upper
63 100
112 4.4 3.5 5.3



#38
Bromodichloromethane
Concen: 27.982 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

Tgt Ion: 83 Resp: 179157
Ion Ratio Lower Upper
83 100
85 65.5 45.3 84.1
127 8.8 6.7 10.1

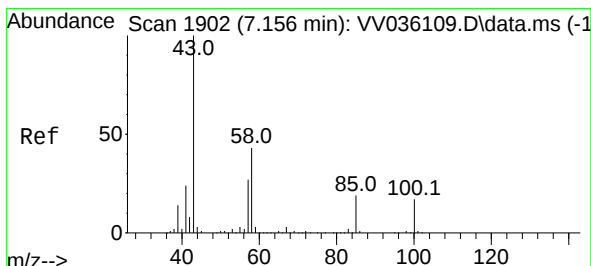
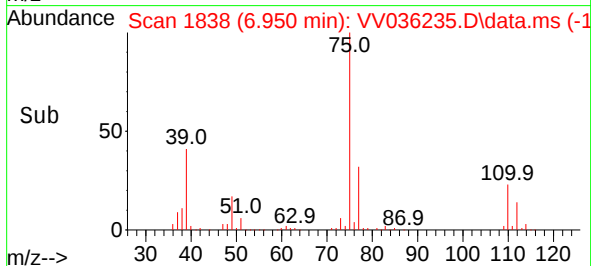
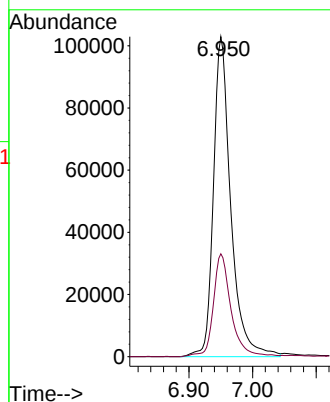
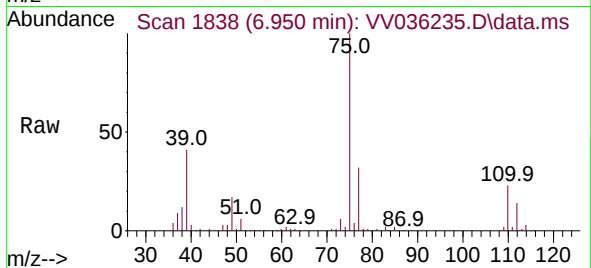




#39
cis-1,3-Dichloropropene
Concen: 26.969 ug/L
RT: 6.950 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

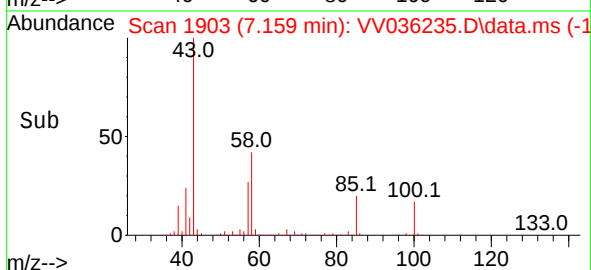
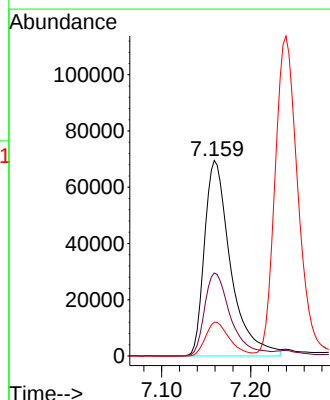
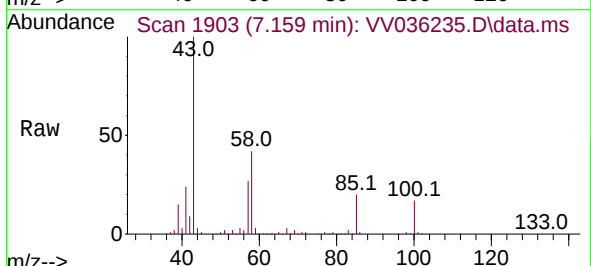
Instrument :
MSVOA_V
ClientSampleId :

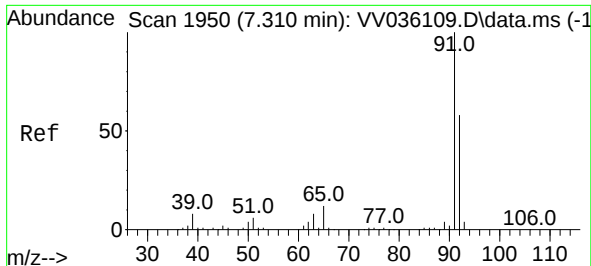
Tgt Ion: 75 Resp: 195120
Ion Ratio Lower Upper
75 100
77 32.1 22.1 41.1



#40
4-Methyl-2-pentanone
Concen: 53.918 ug/L
RT: 7.159 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

Tgt Ion: 43 Resp: 141702
Ion Ratio Lower Upper
43 100
58 42.6 32.5 48.7
100 16.1 12.5 18.7





#42

Toluene

Concen: 28.981 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.003 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

Instrument :

MSVOA_V

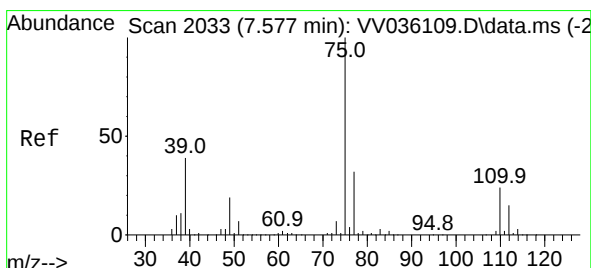
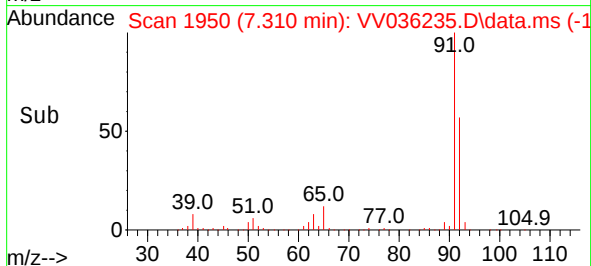
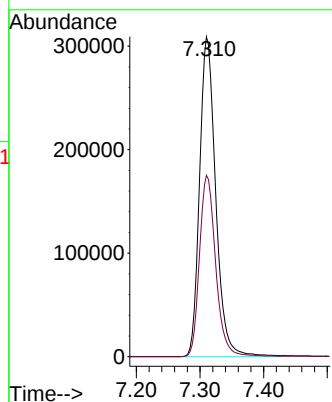
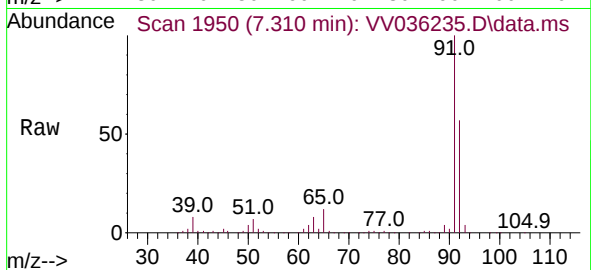
ClientSampleId :

Tgt Ion: 91 Resp: 545540

Ion Ratio Lower Upper

91 100

92 56.7 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 28.415 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.003 min

Lab File: VV036235.D

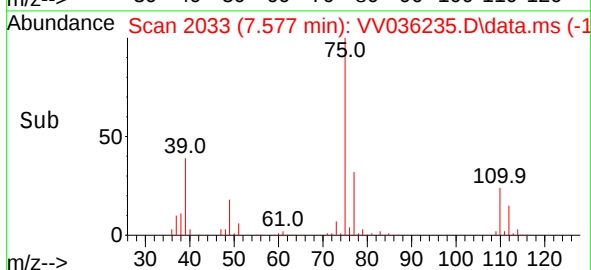
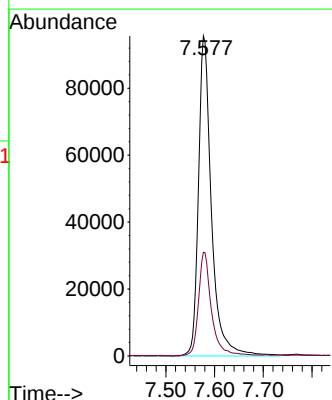
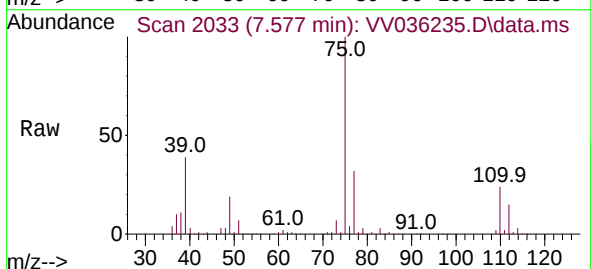
Acq: 24 Jun 2024 10:15

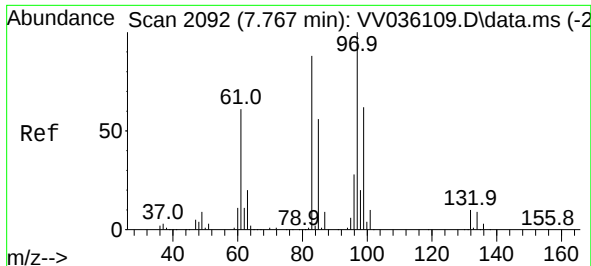
Tgt Ion: 75 Resp: 177570

Ion Ratio Lower Upper

75 100

77 32.4 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 27.814 ug/L

RT: 7.764 min Scan# 2092

Delta R.T. -0.003 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 111325

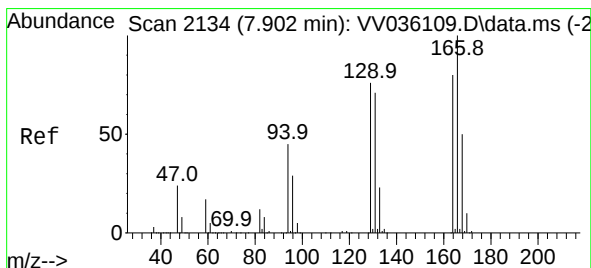
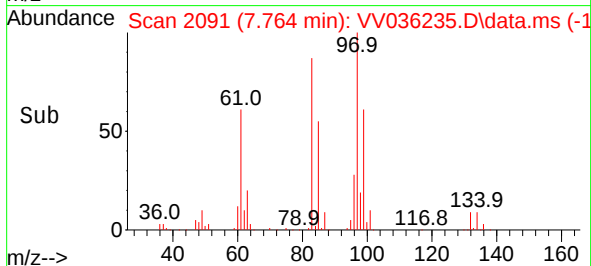
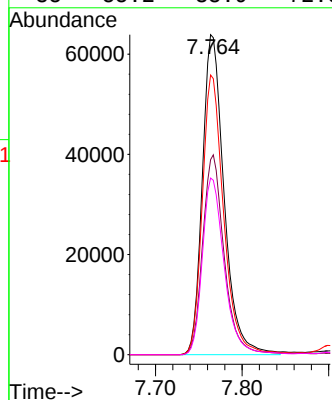
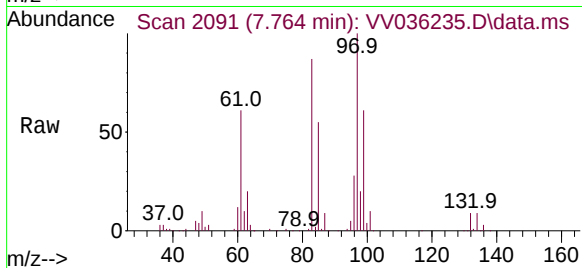
Ion Ratio Lower Upper

97 100

99 60.9 43.3 80.5

83 87.4 60.1 111.7

85 55.2 38.9 72.3



#46

Tetrachloroethene

Concen: 26.447 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.000 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

Tgt Ion:164 Resp: 109210

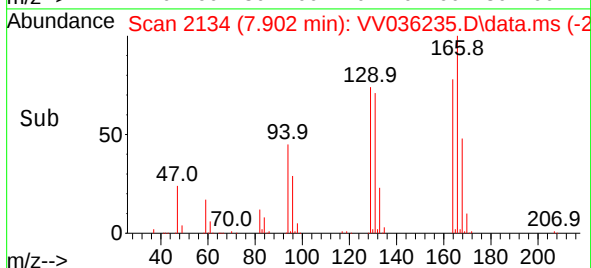
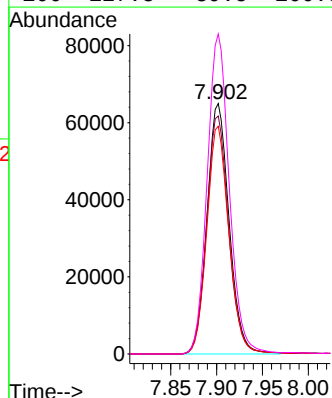
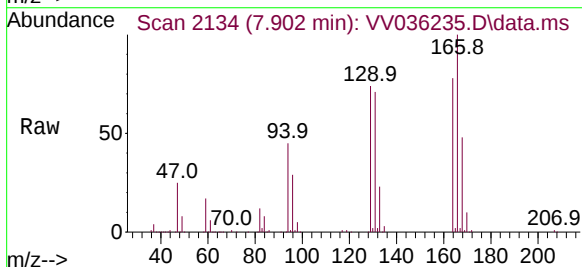
Ion Ratio Lower Upper

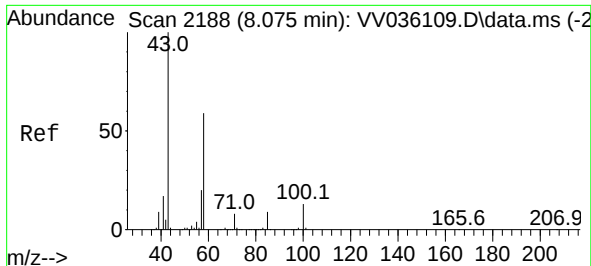
164 100

129 95.0 64.6 120.0

131 90.9 63.2 117.4

166 127.8 89.5 166.3

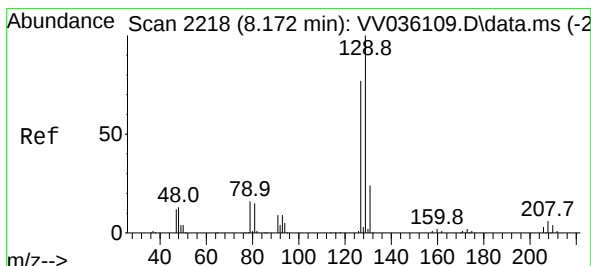
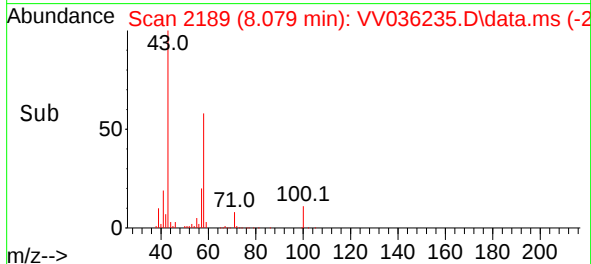
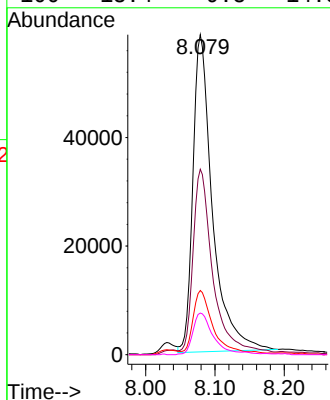
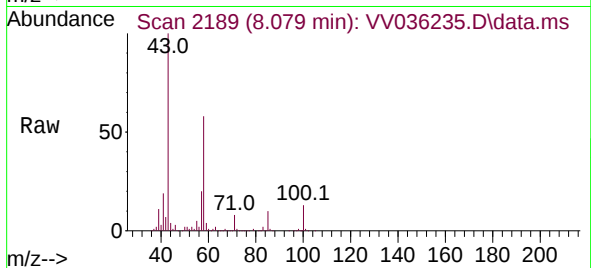




#48
2-Hexanone
Concen: 55.977 ug/L
RT: 8.079 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

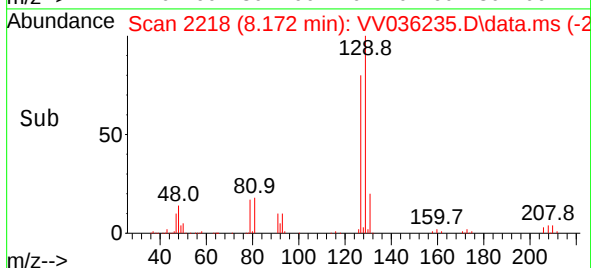
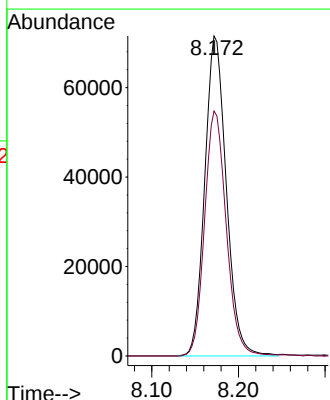
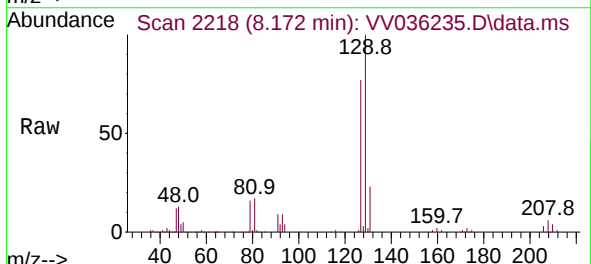
Instrument :
MSVOA_V
ClientSampleId :

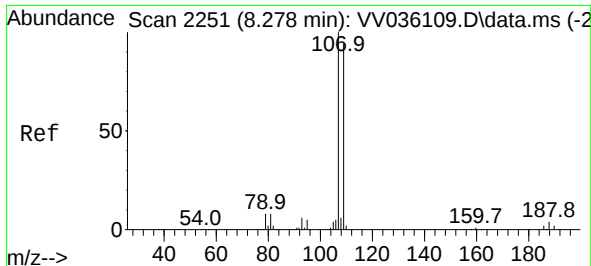
Tgt Ion: 43 Resp: 115010
Ion Ratio Lower Upper
43 100
58 57.9 45.4 68.0
57 19.0 15.8 23.8
100 13.4 9.8 14.8



#49
Dibromochloromethane
Concen: 28.236 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. -0.003 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

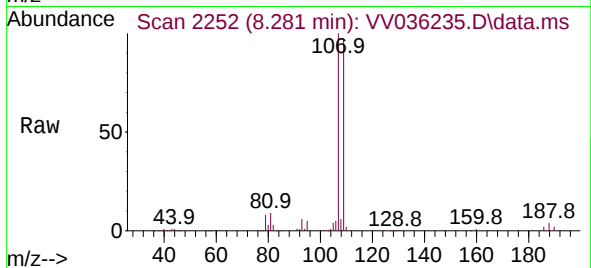
Tgt Ion: 129 Resp: 123685
Ion Ratio Lower Upper
129 100
127 76.6 53.9 100.1



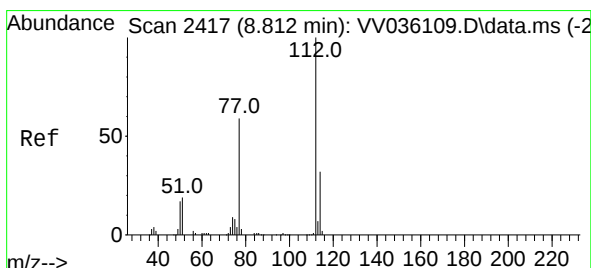
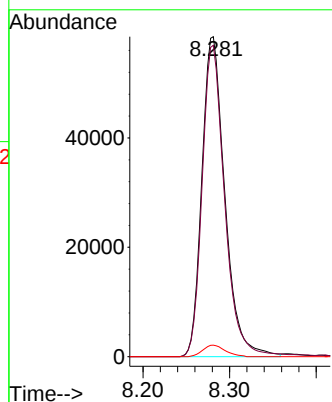
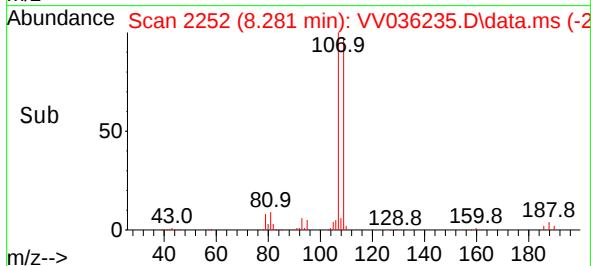


#50
1,2-Dibromoethane
Concen: 28.058 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

Instrument :
MSVOA_V
ClientSampleId :

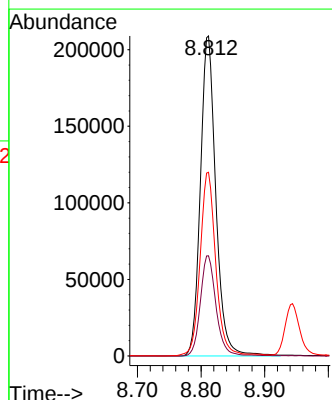
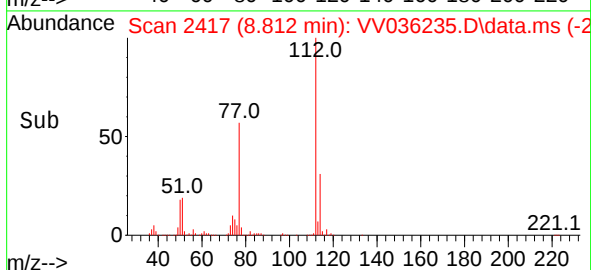
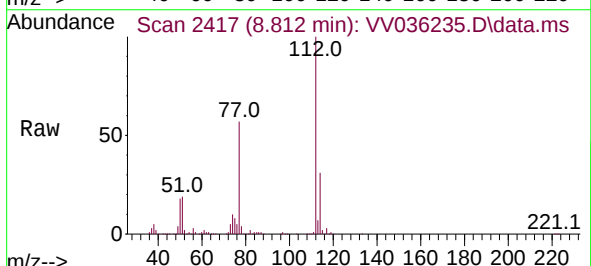


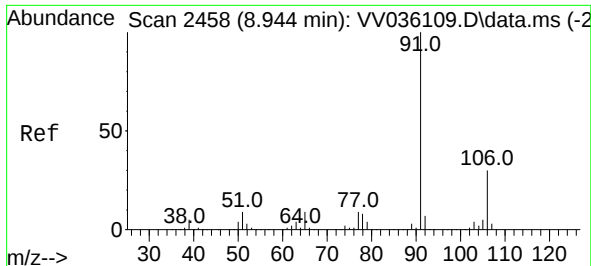
Tgt Ion:107 Resp: 107755
Ion Ratio Lower Upper
107 100
109 97.3 66.1 122.7
188 3.6 3.0 4.6



#51
Chlorobenzene
Concen: 27.514 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

Tgt Ion:112 Resp: 352895
Ion Ratio Lower Upper
112 100
114 31.3 22.3 41.5
77 57.4 47.3 70.9

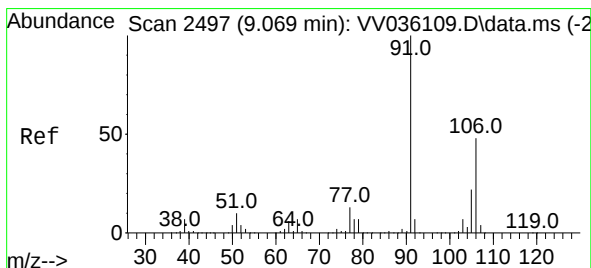
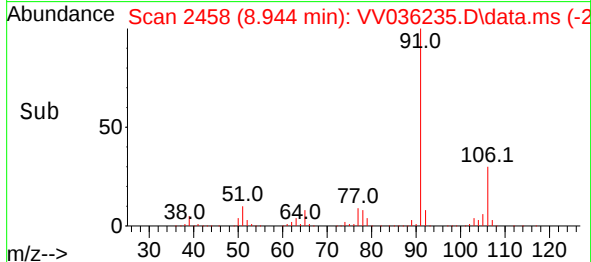
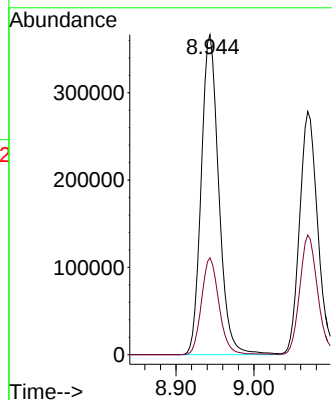
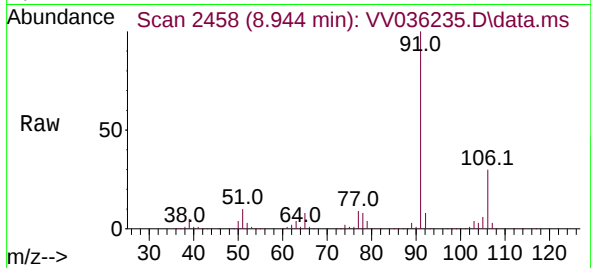




#52
Ethylbenzene
Concen: 28.572 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. 0.000 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

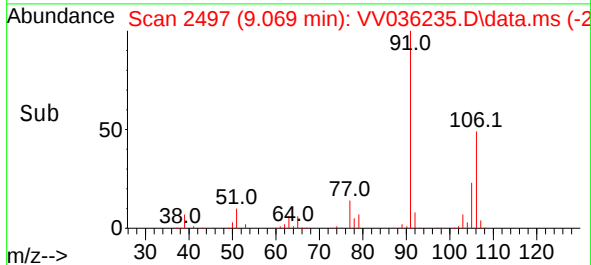
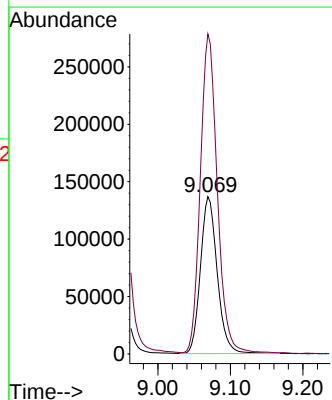
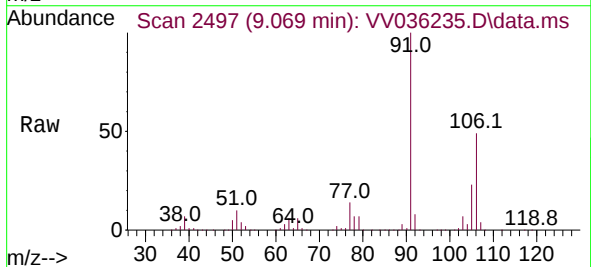
Instrument :
MSVOA_V
ClientSampleId :

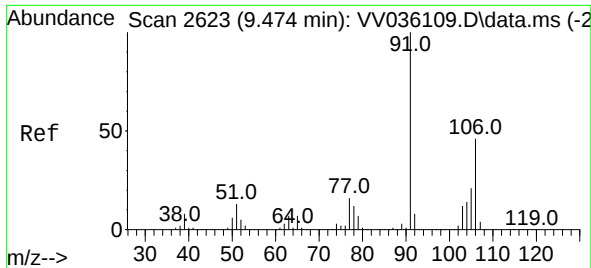
Tgt Ion: 91 Resp: 575441
Ion Ratio Lower Upper
91 100
106 30.2 21.6 40.0



#53
m,p-Xylene
Concen: 29.016 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. -0.003 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

Tgt Ion: 106 Resp: 219580
Ion Ratio Lower Upper
106 100
91 203.4 143.1 265.9

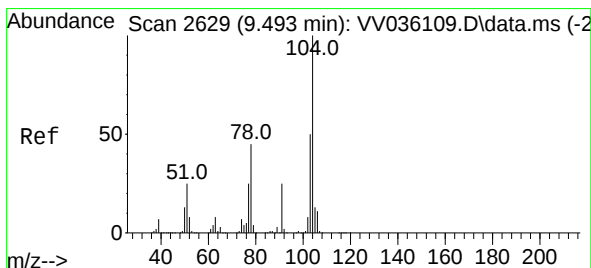
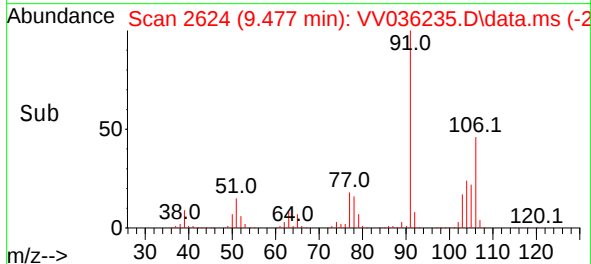
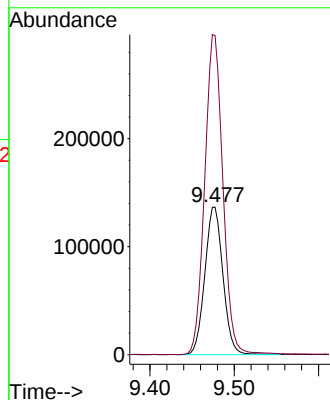
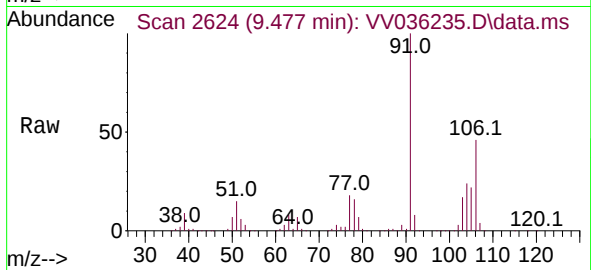




#54
o-Xylene
Concen: 28.720 ug/L
RT: 9.477 min Scan# 2623
Delta R.T. 0.000 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

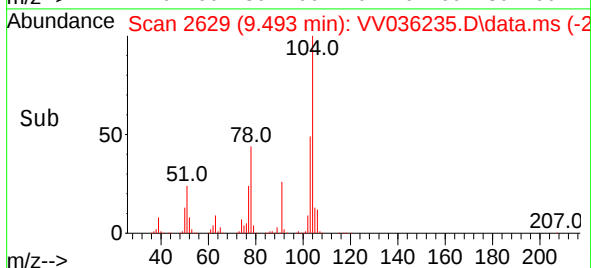
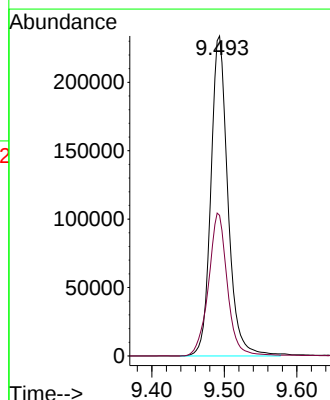
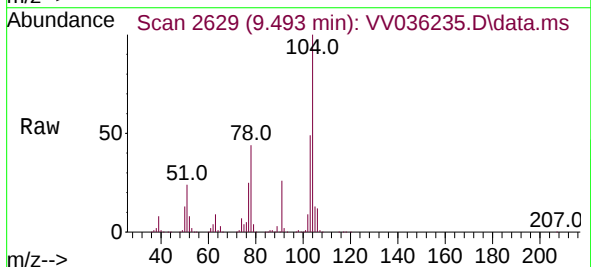
Instrument :
MSVOA_V
ClientSampleId :

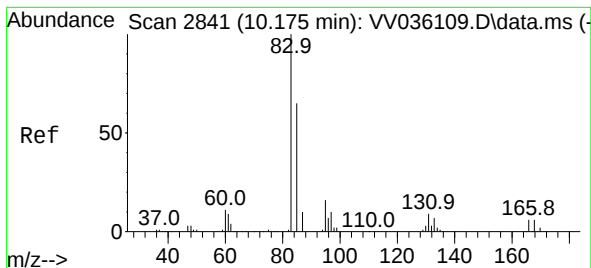
Tgt Ion:106 Resp: 204956
Ion Ratio Lower Upper
106 100
91 216.5 154.5 286.9



#55
Styrene
Concen: 30.377 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

Tgt Ion:104 Resp: 382289
Ion Ratio Lower Upper
104 100
78 43.9 31.4 58.2





#57

1,1,2,2-Tetrachloroethane

Concen: 29.383 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

Instrument :

MSVOA_V

ClientSampleId :

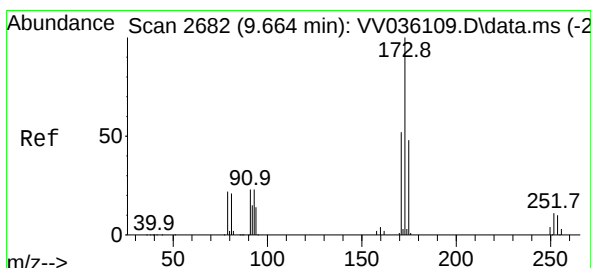
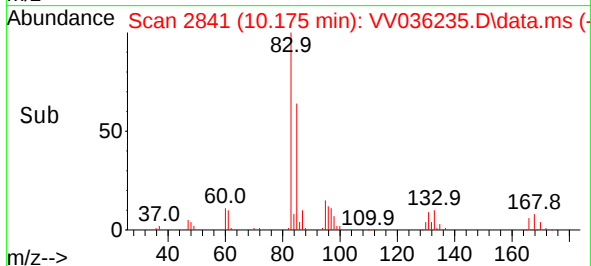
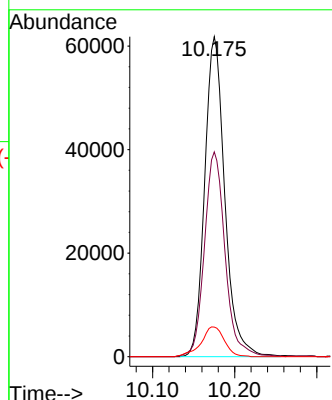
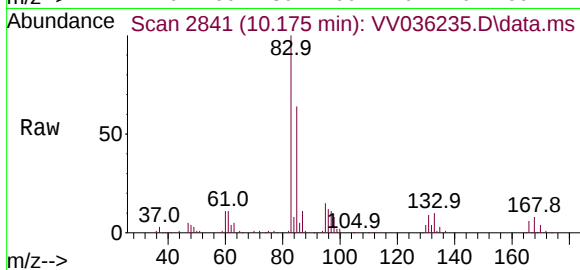
Tgt Ion: 83 Resp: 105303

Ion Ratio Lower Upper

83 100

85 64.0 45.1 83.7

131 9.3 7.6 11.4



#59

Bromoform

Concen: 27.600 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.000 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

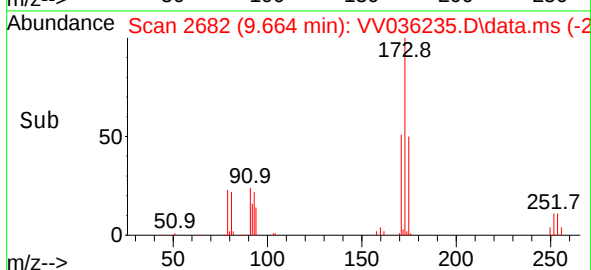
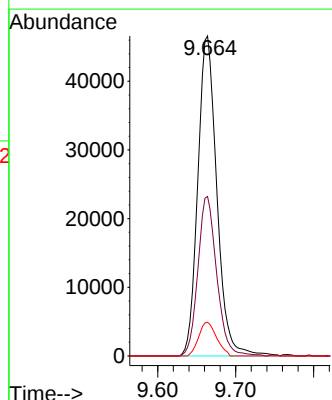
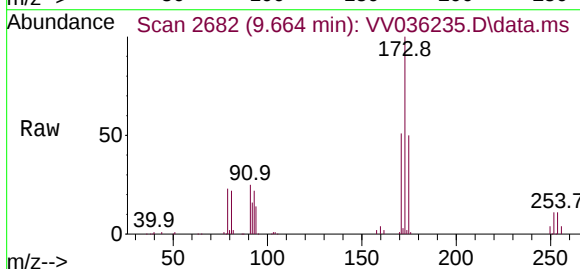
Tgt Ion:173 Resp: 79173

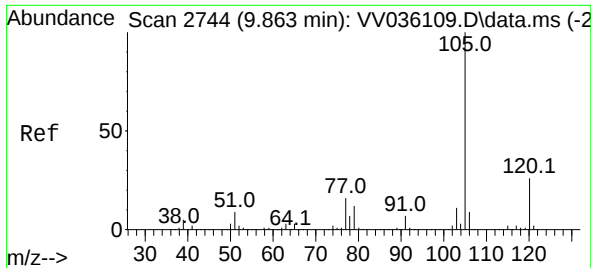
Ion Ratio Lower Upper

173 100

175 49.2 39.0 58.6

254 9.9 8.6 13.0

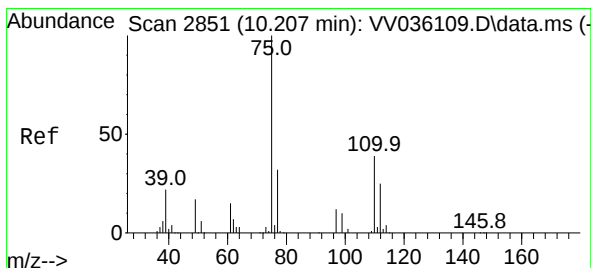
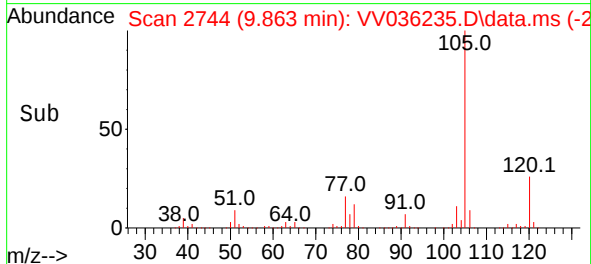
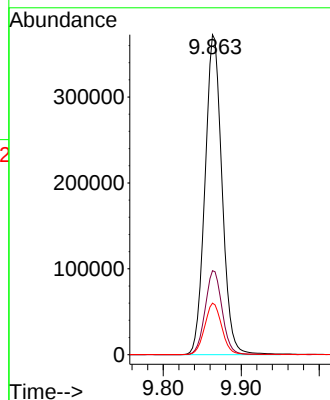
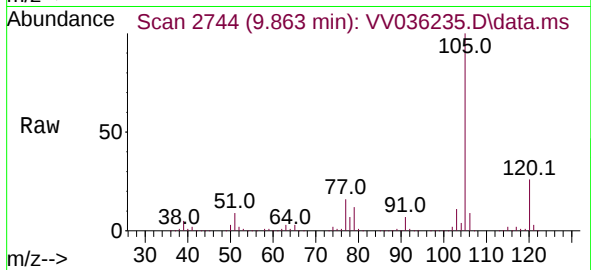




#60
Isopropylbenzene
Concen: 28.965 ug/L
RT: 9.863 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

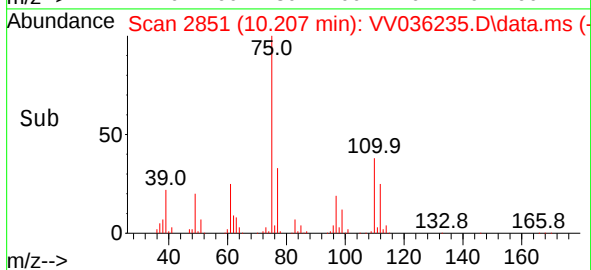
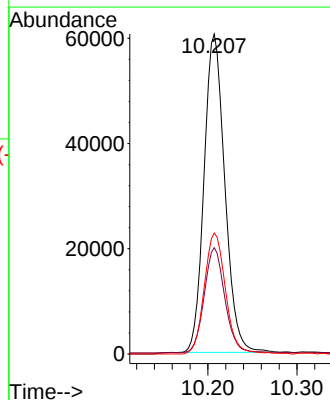
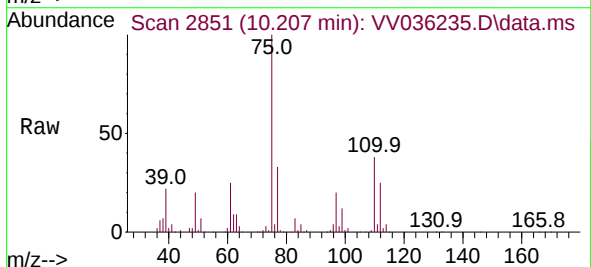
Instrument :
MSVOA_V
ClientSampleId :

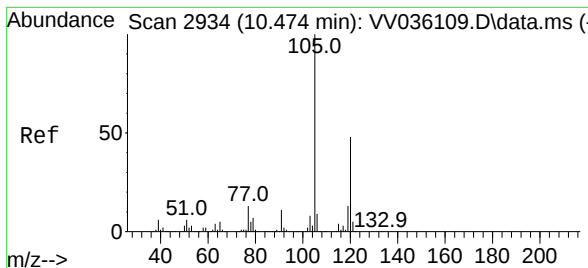
Tgt Ion:105 Resp: 565251
Ion Ratio Lower Upper
105 100
120 26.3 21.0 31.6
77 16.1 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 27.241 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV036235.D
Acq: 24 Jun 2024 10:15

Tgt Ion: 75 Resp: 98001
Ion Ratio Lower Upper
75 100
77 33.0 26.0 39.0
110 38.7 32.2 48.4





#62

1,3,5-Trimethylbenzene

Concen: 28.163 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

Instrument :

MSVOA_V

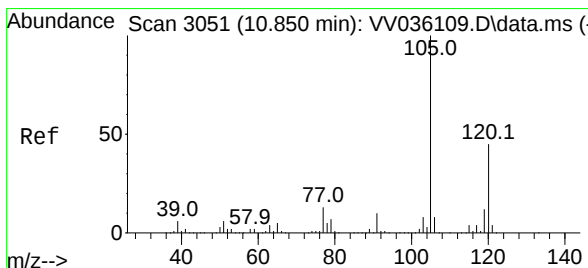
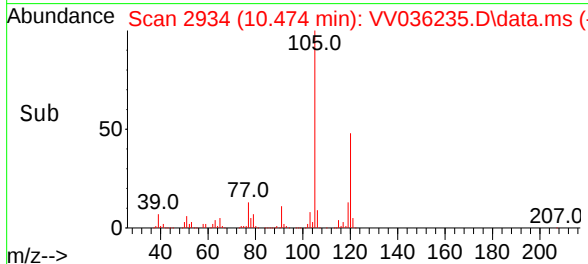
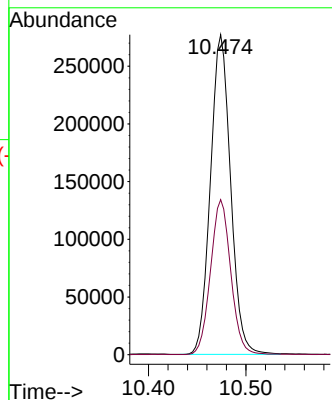
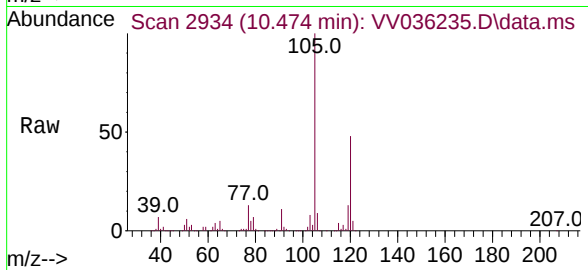
ClientSampleId :

Tgt Ion:105 Resp: 398535

Ion Ratio Lower Upper

105 100

120 48.4 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 29.137 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV036235.D

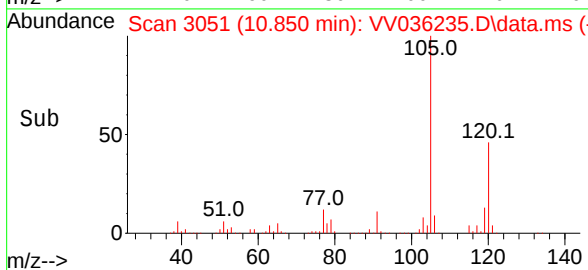
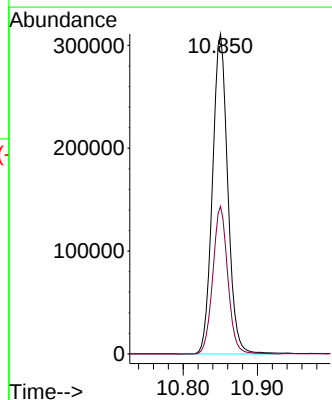
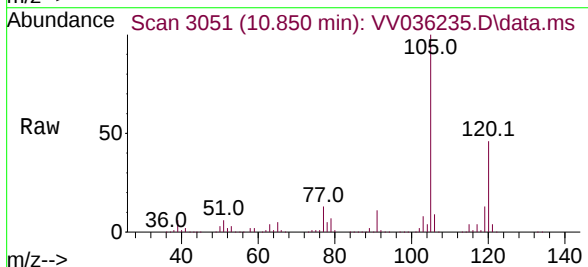
Acq: 24 Jun 2024 10:15

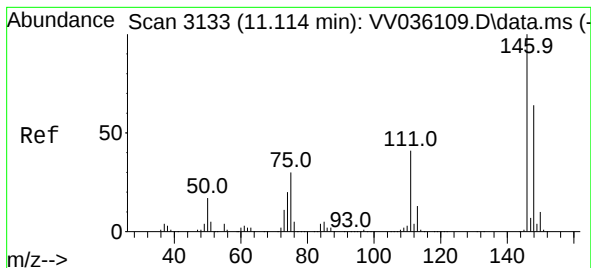
Tgt Ion:105 Resp: 444243

Ion Ratio Lower Upper

105 100

120 45.1 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 27.343 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

Instrument :

MSVOA_V

ClientSampleId :

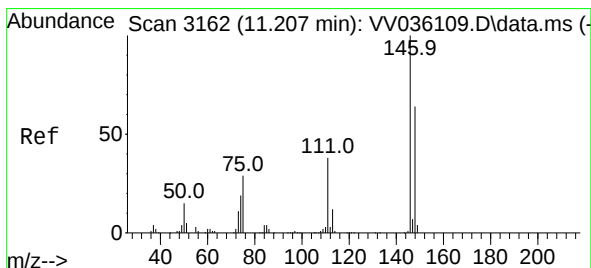
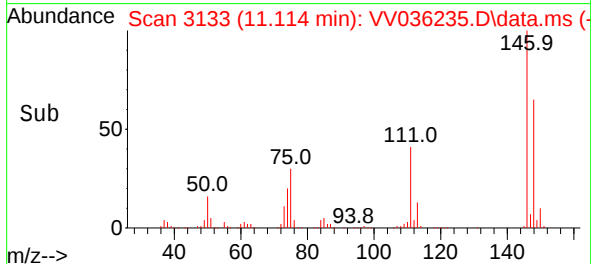
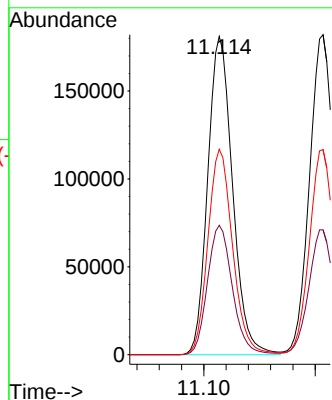
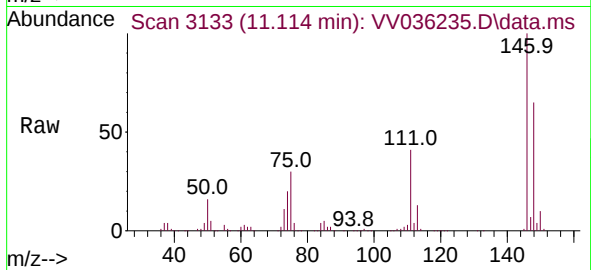
Tgt Ion:146 Resp: 280226

Ion Ratio Lower Upper

146 100

111 40.7 28.1 52.1

148 64.5 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 27.619 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

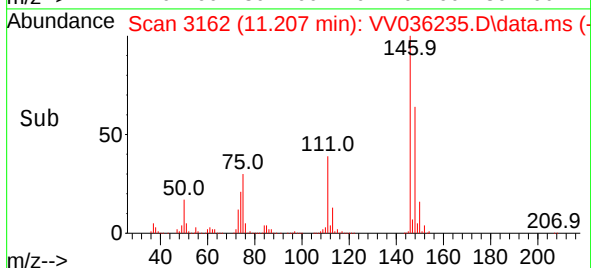
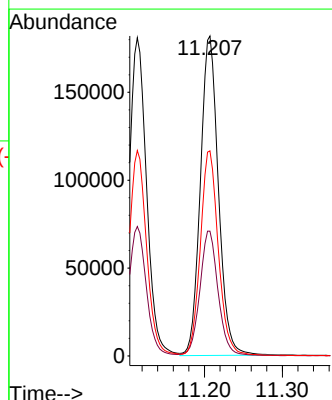
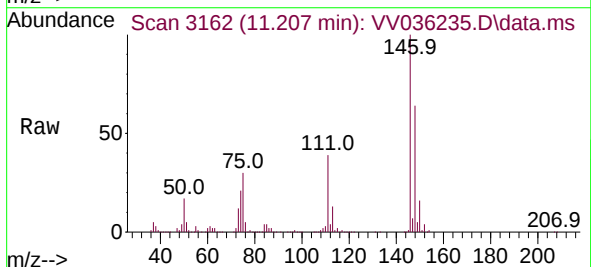
Tgt Ion:146 Resp: 292159

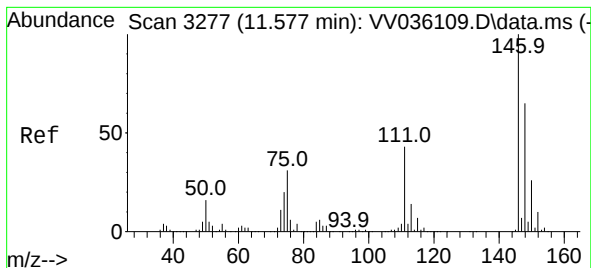
Ion Ratio Lower Upper

146 100

111 39.0 26.9 50.1

148 64.1 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 27.073 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

Instrument :

MSVOA_V

ClientSampleId :

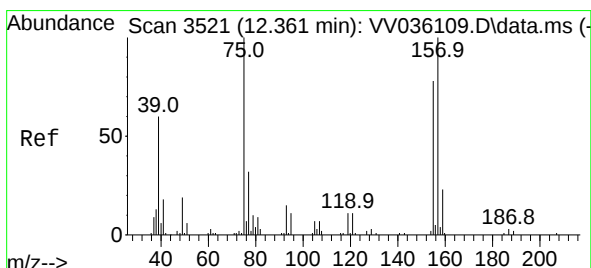
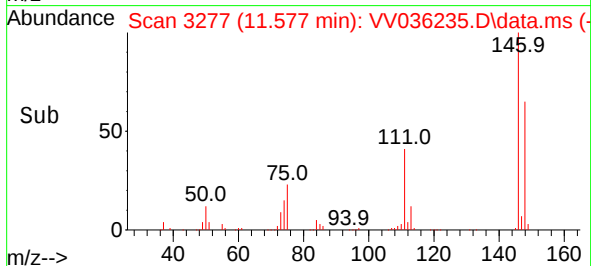
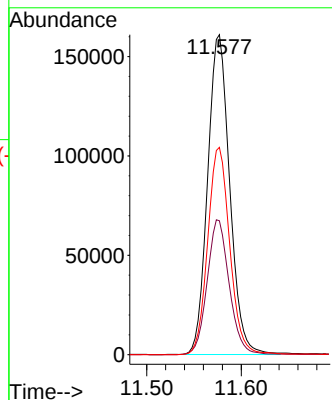
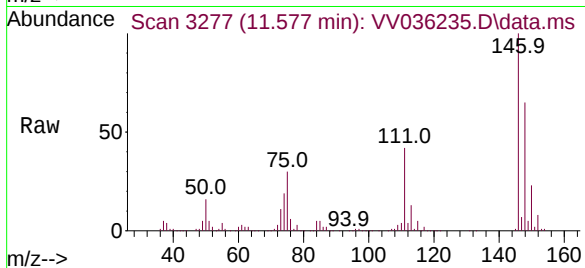
Tgt Ion:146 Resp: 261096

Ion Ratio Lower Upper

146 100

111 41.9 33.5 50.3

148 64.8 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 28.242 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

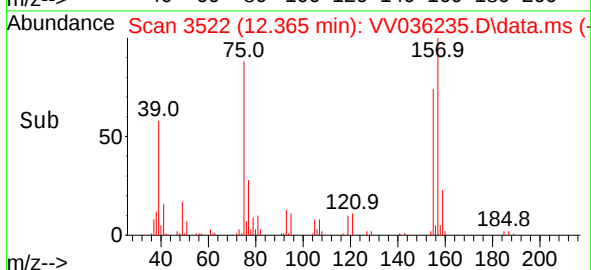
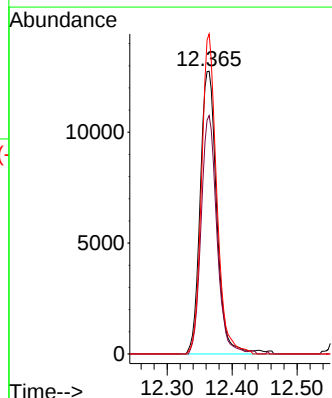
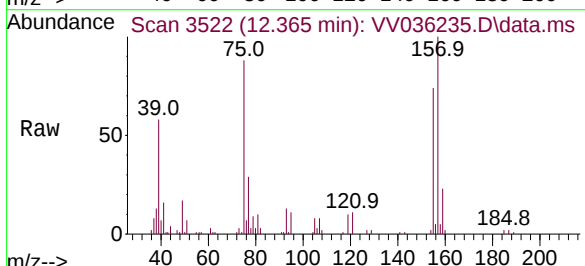
Tgt Ion: 75 Resp: 22720

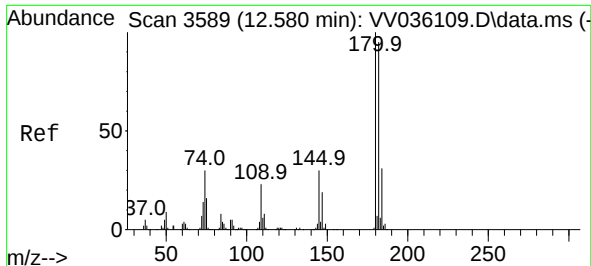
Ion Ratio Lower Upper

75 100

155 84.3 63.3 94.9

157 113.2 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 26.183 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

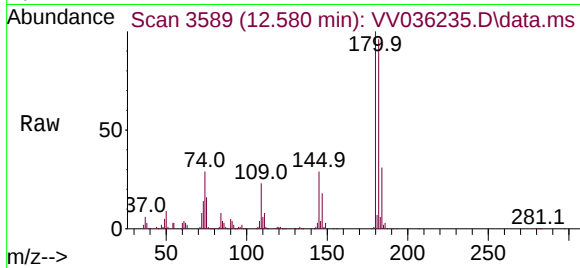
Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 200720

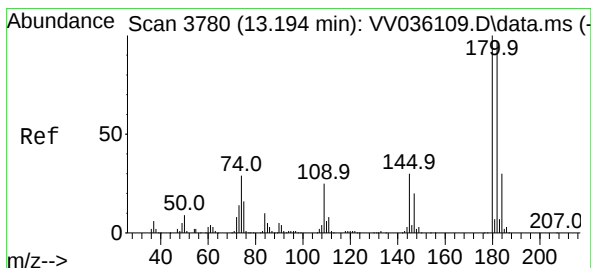
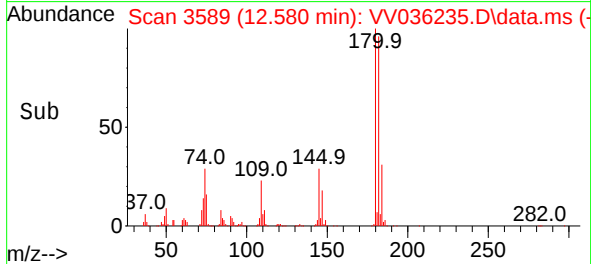
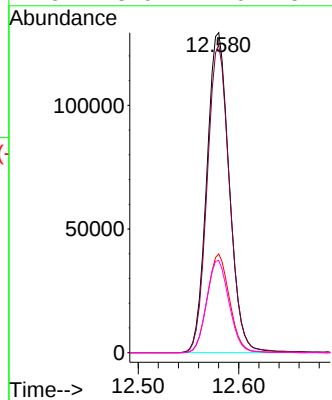
Ion Ratio Lower Upper

180 100

182 95.7 76.2 114.4

184 30.6 24.2 36.2

145 28.9 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 27.062 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.003 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

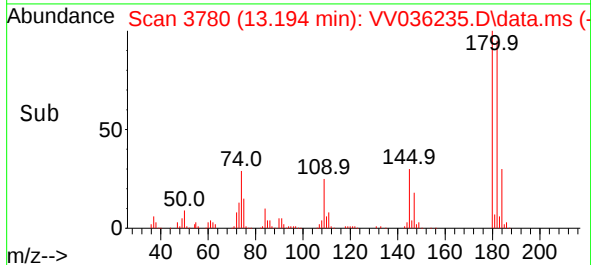
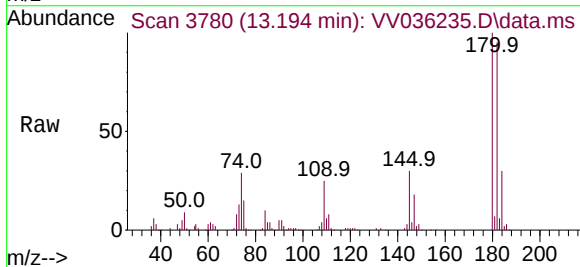
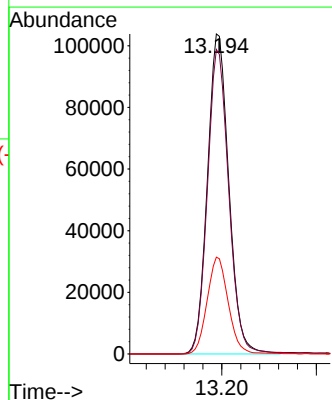
Tgt Ion:180 Resp: 163349

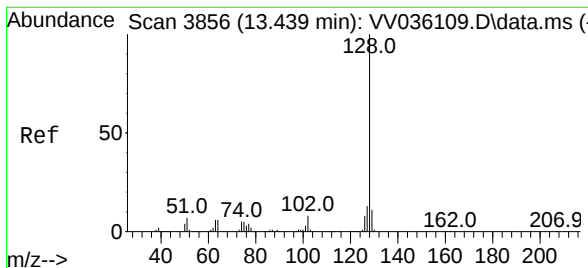
Ion Ratio Lower Upper

180 100

182 94.9 76.1 114.1

145 29.9 23.5 35.3





#71

Naphthalene

Concen: 29.466 ug/L

RT: 13.435 min Scan# 3856

Delta R.T. -0.003 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

Instrument :

MSVOA_V

ClientSampleId :

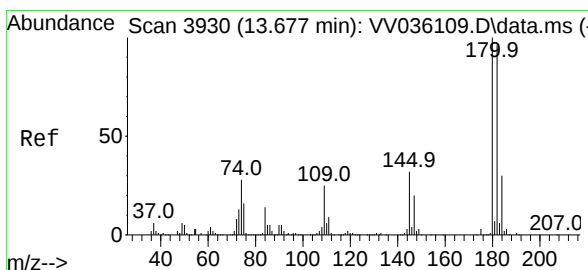
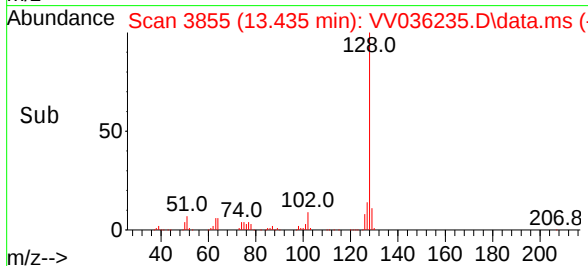
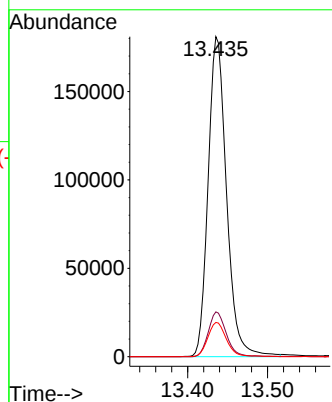
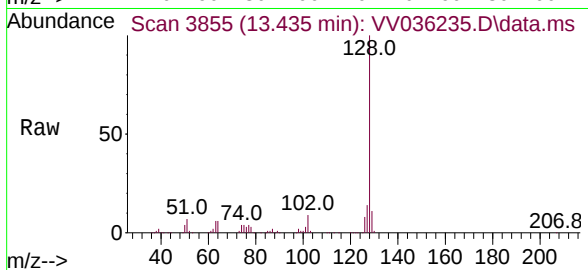
Tgt Ion:128 Resp: 290258

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

129 10.7 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 28.886 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV036235.D

Acq: 24 Jun 2024 10:15

Tgt Ion:180 Resp: 159108

Ion Ratio Lower Upper

180 100

182 95.8 75.1 112.7

145 31.6 25.2 37.8

