

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081224\
 Data File : VV036911.D
 Acq On : 12 Aug 2024 17:30
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 13 03:25:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 13 02:57:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	690046	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	661778	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	336598	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	211673	38.406	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	76.820%		
7) Chloroethane-d5	1.532	69	185605	42.703	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	85.400%		
11) 1,1-Dichloroethene-d2	2.060	65	93197	39.531	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.060%		
21) 2-Butanone-d5	3.796	46	275061	94.194	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.190%		
24) Chloroform-d	4.246	84	475999	48.127	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.260%		
26) 1,2-Dichloroethane-d4	4.937	65	298128	46.882	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.760%		
32) Benzene-d6	4.954	84	893369	44.695	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.400%		
36) 1,2-Dichloropropane-d6	5.986	67	303604	47.081	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.160%		
41) Toluene-d8	7.240	98	779207	42.498	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.000%		
43) trans-1,3-Dichloroprop...	7.551	79	134132	39.968	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.940%		
47) 2-Hexanone-d5	8.024	63	185762	100.189	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	100.190%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	381519	51.528	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	103.060%		
66) 1,2-Dichlorobenzene-d4	11.555	152	320850	46.778	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	296250	53.843	ug/L	99
3) Chloromethane	1.217	50	307580	53.417	ug/L	99
5) Vinyl chloride	1.282	62	309058	52.265	ug/L	100
6) Bromomethane	1.487	94	186362	50.057	ug/L	99
8) Chloroethane	1.549	64	190057	51.888	ug/L	100
9) Trichlorofluoromethane	1.712	101	408126	52.692	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	240231	52.636	ug/L	100
12) 1,1-Dichloroethene	2.069	96	223015	51.163	ug/L	94
13) Acetone	2.114	43	188564	77.178	ug/L	100
14) Carbon disulfide	2.240	76	620870	45.344	ug/L	99
15) Methyl Acetate	2.372	43	248982	49.468	ug/L	98
16) Methylene chloride	2.446	84	256502	52.343	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	232114	51.408	ug/L	96
18) Methyl tert-butyl Ether	2.706	73	799386	50.269	ug/L	100
19) 1,1-Dichloroethane	3.105	63	480195	52.641	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	277529	52.369	ug/L	97
22) 2-Butanone	3.880	43	292645	89.411	ug/L	100
23) Bromochloromethane	4.143	128	135885	52.786	ug/L	97
25) Chloroform	4.272	83	487189	51.999	ug/L	99

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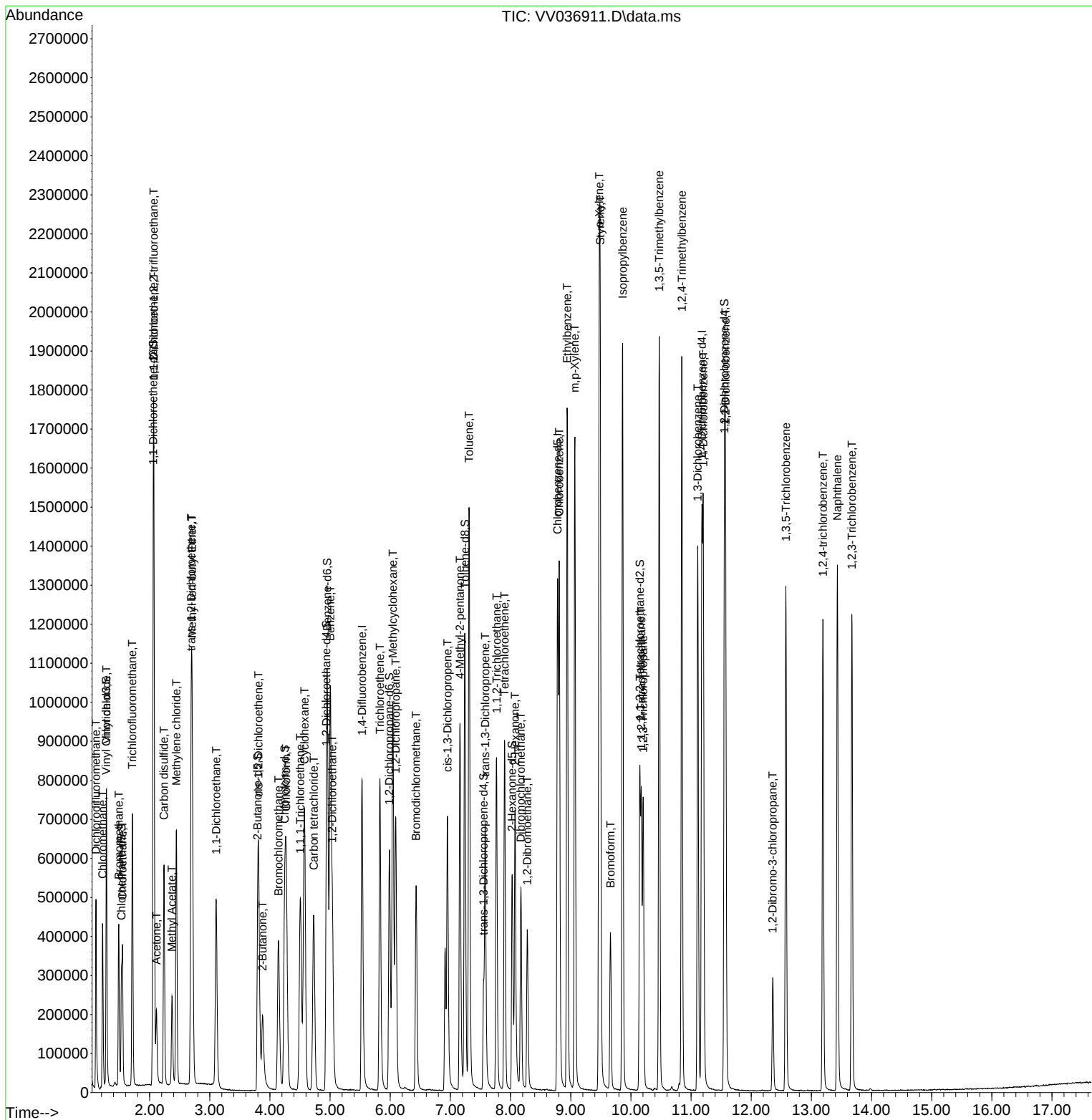
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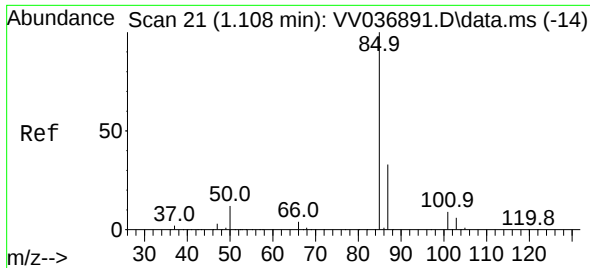
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	375395	50.795	ug/L	99
29) Cyclohexane	4.574	56	419374	49.737	ug/L	98
30) 1,1,1-Trichloroethane	4.507	97	415640	49.851	ug/L	99
31) Carbon tetrachloride	4.728	117	344499	49.200	ug/L	100
33) Benzene	5.005	78	1040193	52.551	ug/L	100
34) Trichloroethene	5.828	95	284304	49.560	ug/L	97
35) Methylcyclohexane	6.043	83	431671	49.039	ug/L	98
37) 1,2-Dichloropropane	6.092	63	282420	53.861	ug/L	99
38) Bromodichloromethane	6.429	83	357344	49.489	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	428442	47.709	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	620716	95.561	ug/L	99
42) Toluene	7.310	91	1081893	51.316	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	389340	46.526	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	259846	51.171	ug/L	99
46) Tetrachloroethene	7.899	164	191749	50.959	ug/L	97
48) 2-Hexanone	8.076	43	455160	95.250	ug/L	99
49) Dibromochloromethane	8.172	129	259476	49.725	ug/L	96
50) 1,2-Dibromoethane	8.278	107	269034	51.064	ug/L	98
51) Chlorobenzene	8.809	112	695392	51.406	ug/L	98
52) Ethylbenzene	8.940	91	1238130	51.433	ug/L	100
53) m,p-Xylene	9.069	106	448925	49.890	ug/L	99
54) o-Xylene	9.474	106	449768	51.105	ug/L	99
55) Styrene	9.490	104	788231	52.262	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	366877	53.545	ug/L	100
59) Bromoform	9.661	173	167968	45.107	ug/L	99
60) Isopropylbenzene	9.863	105	1231778	50.266	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	295205	48.719	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	1003109	49.168	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	998382	48.886	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	533833	50.659	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	544668	50.828	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	528199	51.322	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.358	75	74162	42.354	ug/L	98
69) 1,3,5-Trichlorobenzene	12.577	180	371761	49.712	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	342276	47.722	ug/L	98
71) Naphthalene	13.432	128	1061769	46.164	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	341148	48.592	ug/L	100

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

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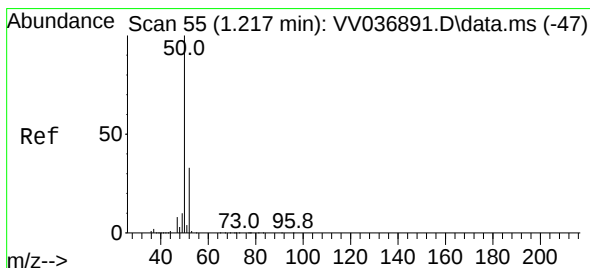
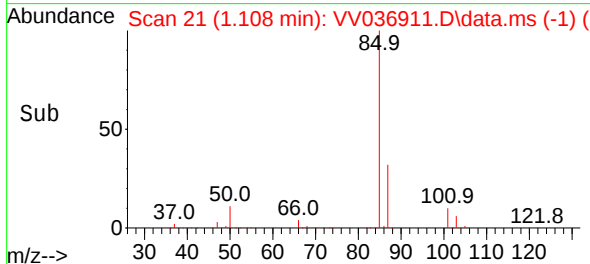
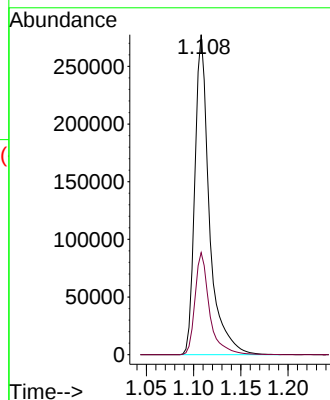
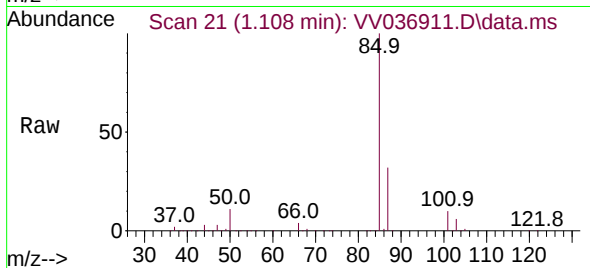




#2
 Dichlorodifluoromethane
 Concen: 53.843 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV036911.D
 Acq: 12 Aug 2024 17:30

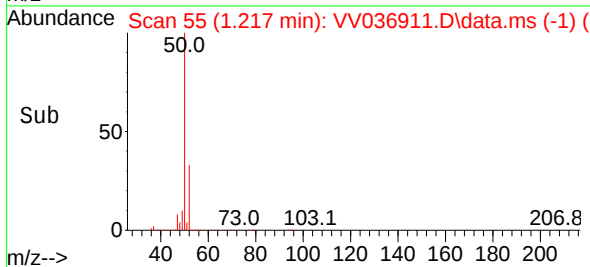
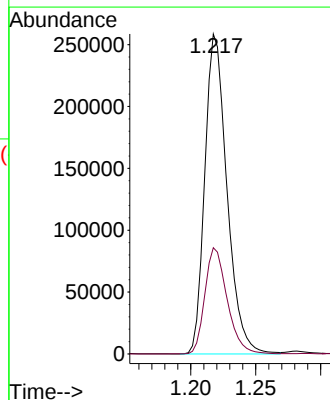
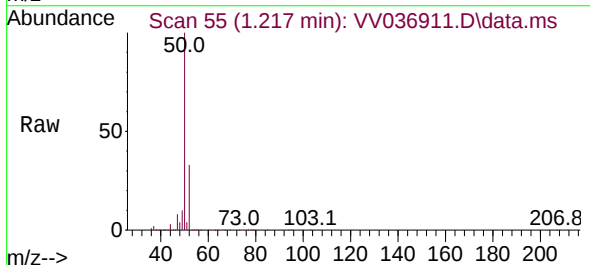
Instrument :
 MSVOA_V
 ClientSampleId :

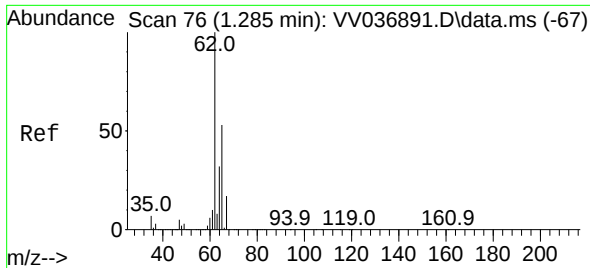
Tgt Ion: 85 Resp: 296250
 Ion Ratio Lower Upper
 85 100
 87 31.8 25.9 38.9



#3
 Chloromethane
 Concen: 53.417 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV036911.D
 Acq: 12 Aug 2024 17:30

Tgt Ion: 50 Resp: 307580
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.0 42.8

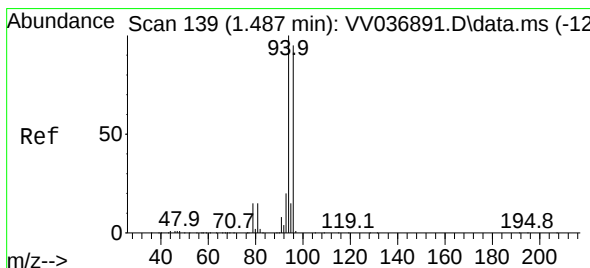
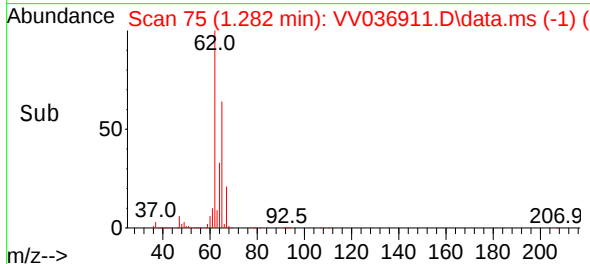
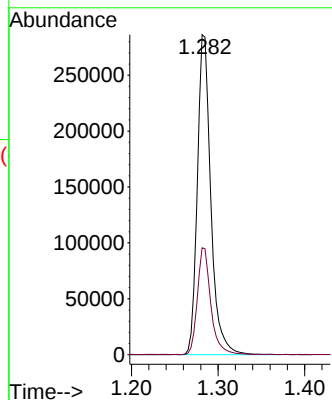
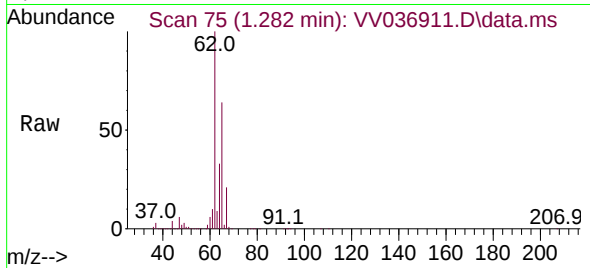




#5
 Vinyl chloride
 Concen: 52.265 ug/L
 RT: 1.282 min Scan# 76
 Delta R.T. -0.003 min
 Lab File: VV036911.D
 Acq: 12 Aug 2024 17:30

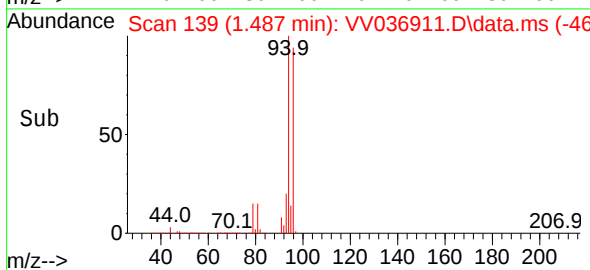
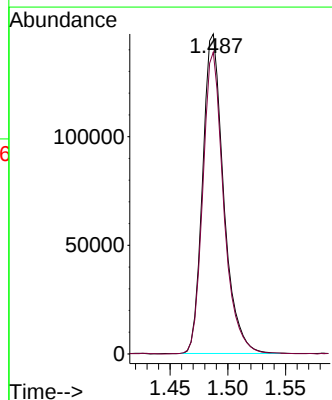
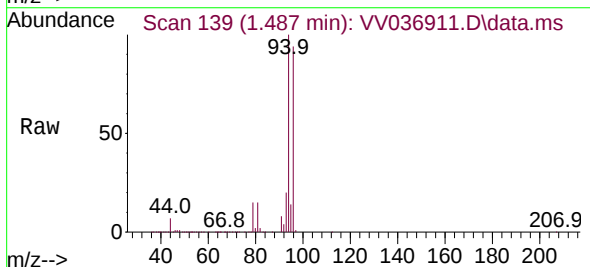
Instrument :
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 ClientSampleId :

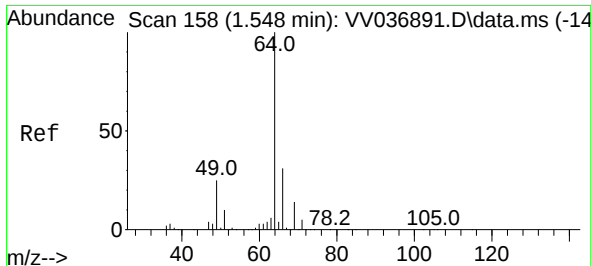
Tgt Ion: 62 Resp: 309058
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.6 43.8



#6
 Bromomethane
 Concen: 50.057 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV036911.D
 Acq: 12 Aug 2024 17:30

Tgt Ion: 94 Resp: 186362
 Ion Ratio Lower Upper
 94 100
 96 94.4 65.5 121.7

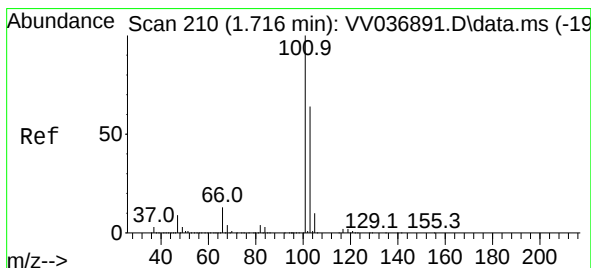
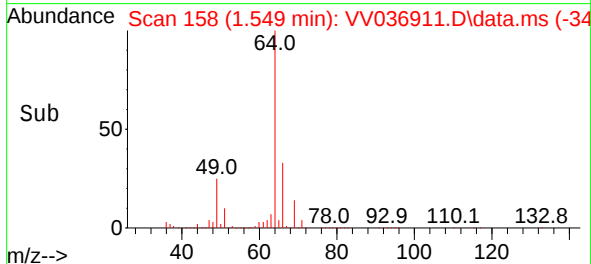
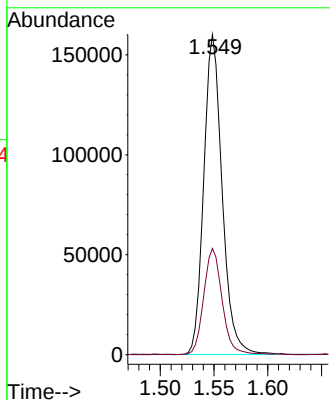
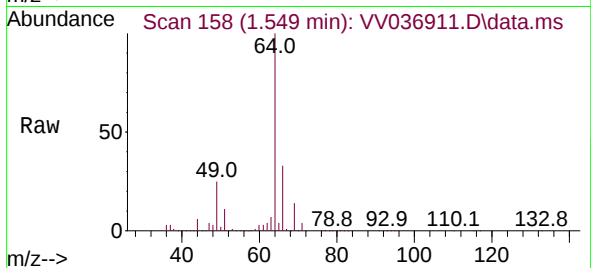




#8
Chloroethane
Concen: 51.888 ug/L
RT: 1.549 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV036911.D
Acq: 12 Aug 2024 17:30

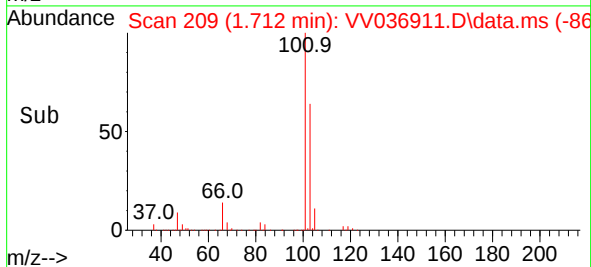
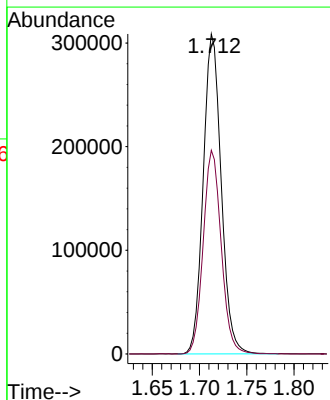
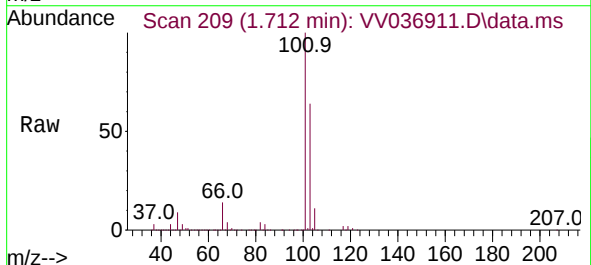
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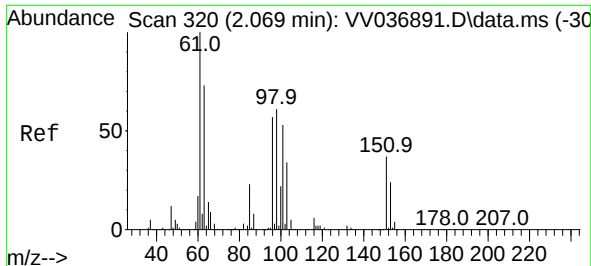
Tgt Ion: 64 Resp: 190057
Ion Ratio Lower Upper
64 100
66 33.2 23.2 43.0



#9
Trichlorofluoromethane
Concen: 52.692 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV036911.D
Acq: 12 Aug 2024 17:30

Tgt Ion:101 Resp: 408126
Ion Ratio Lower Upper
101 100
103 63.6 51.4 77.0





#10

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

Concen: 52.636 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

Instrument :

MSVOA_V

ClientSampleId :

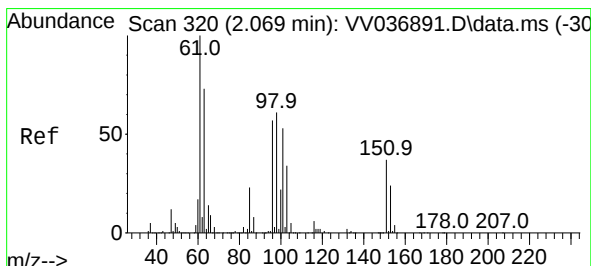
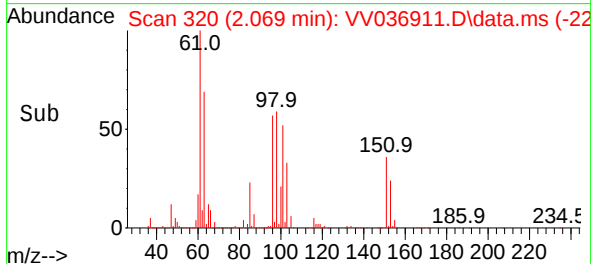
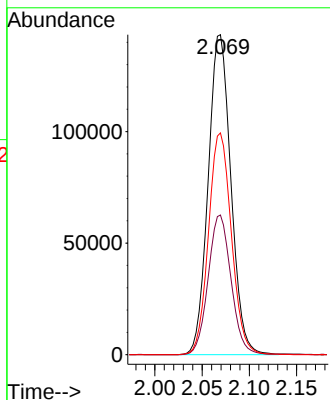
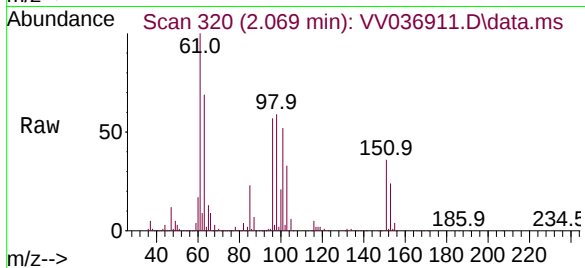
Tgt Ion:101 Resp: 240231

Ion Ratio Lower Upper

101 100

85 43.8 34.6 51.8

151 69.9 55.9 83.9



#12

1,1-Dichloroethene

Concen: 51.163 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

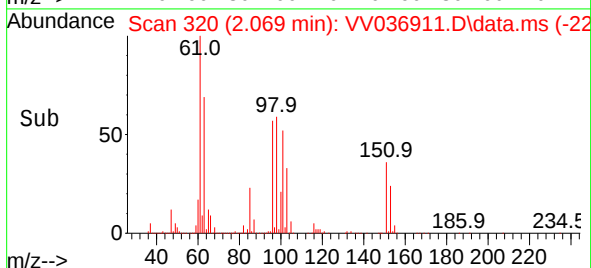
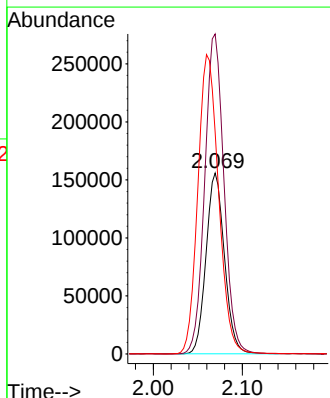
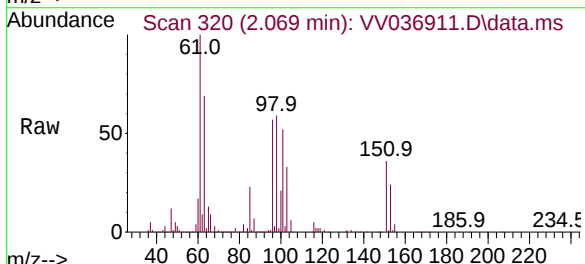
Tgt Ion: 96 Resp: 223015

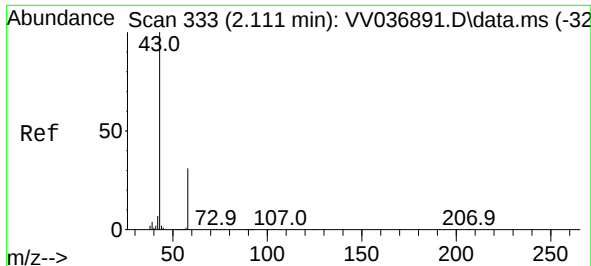
Ion Ratio Lower Upper

96 100

61 176.8 125.6 233.2

63 122.5 95.1 176.7





#13

Acetone

Concen: 77.178 ug/L

RT: 2.114 min Scan# 333

Delta R.T. 0.003 min

Lab File: VV036911.D

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Instrument :

MSVOA_V

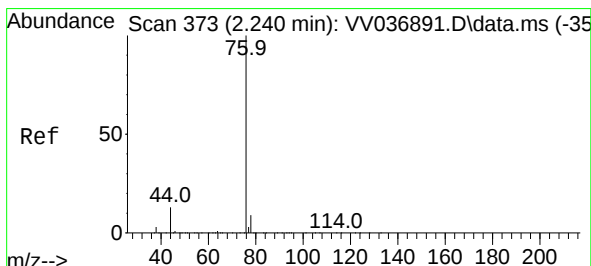
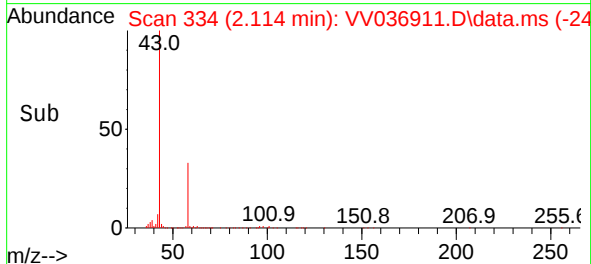
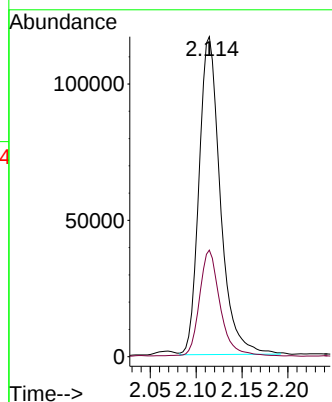
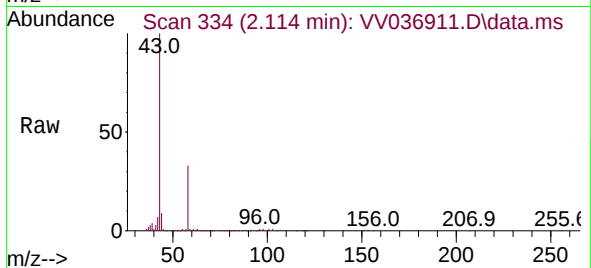
ClientSampleId :

Tgt Ion: 43 Resp: 188564

Ion Ratio Lower Upper

43 100

58 31.9 0.0 63.4



#14

Carbon disulfide

Concen: 45.344 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV036911.D

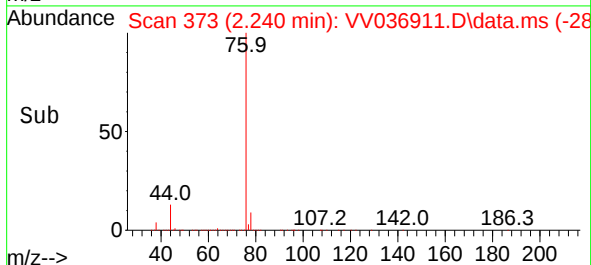
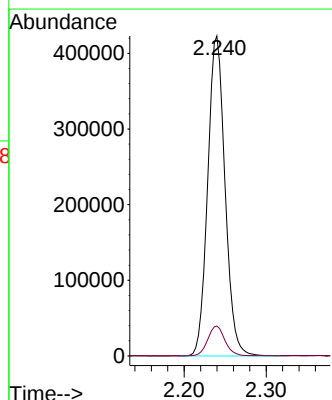
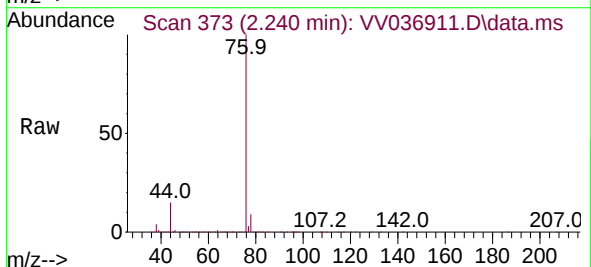
Acq: 12 Aug 2024 17:30

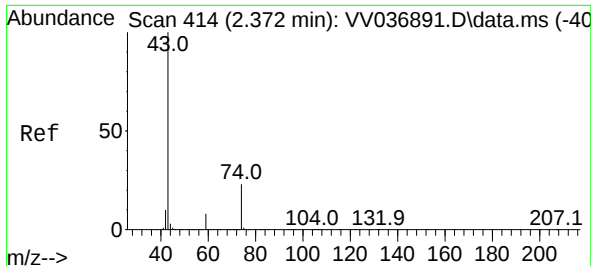
Tgt Ion: 76 Resp: 620870

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7





#15

Methyl Acetate

Concen: 49.468 ug/L

RT: 2.372 min Scan# 414

Delta R.T. 0.000 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

Instrument :

MSVOA_V

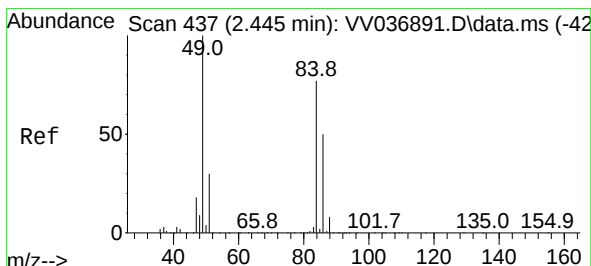
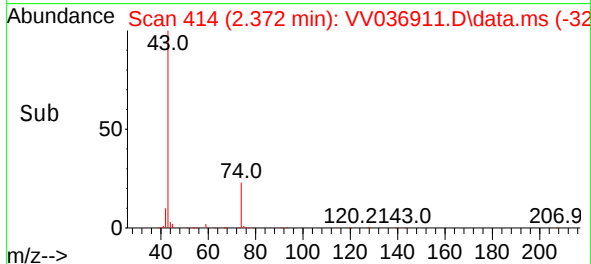
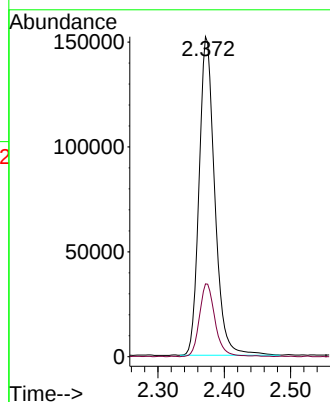
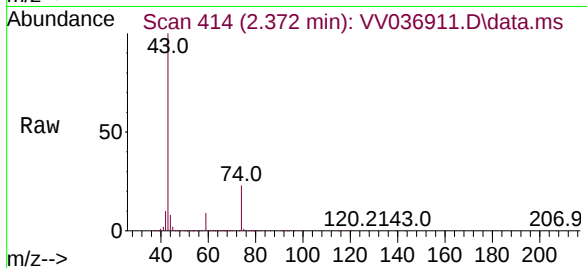
ClientSampleId :

Tgt Ion: 43 Resp: 248982

Ion Ratio Lower Upper

43 100

74 22.9 19.0 28.4



#16

Methylene chloride

Concen: 52.343 ug/L

RT: 2.446 min Scan# 437

Delta R.T. 0.000 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

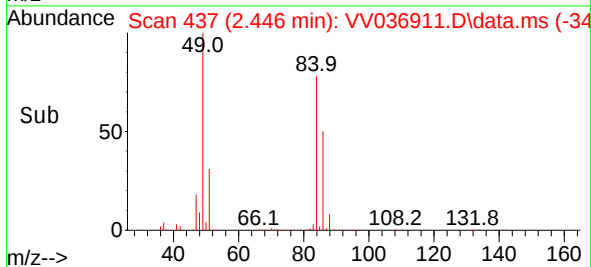
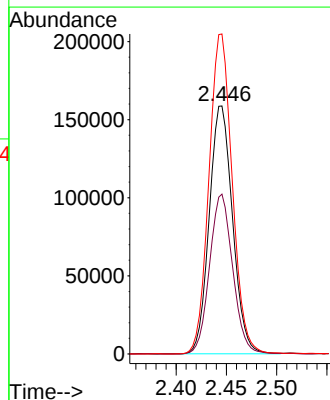
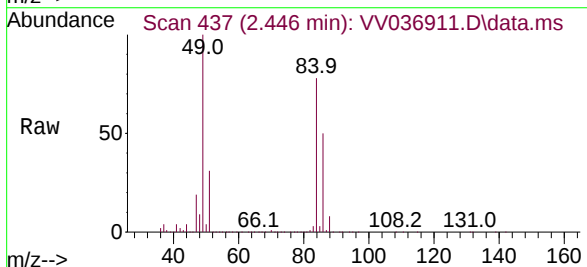
Tgt Ion: 84 Resp: 256502

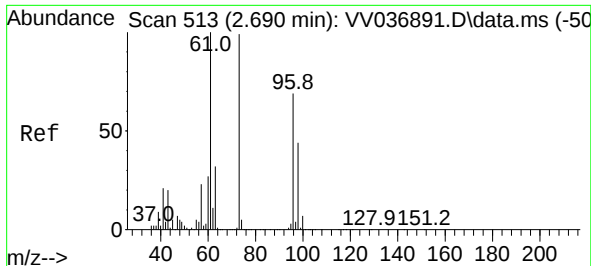
Ion Ratio Lower Upper

84 100

86 64.5 44.3 82.3

49 129.0 91.1 169.1





#17

trans-1,2-Dichloroethene

Concen: 51.408 ug/L

RT: 2.690 min Scan# 513

Delta R.T. 0.000 min

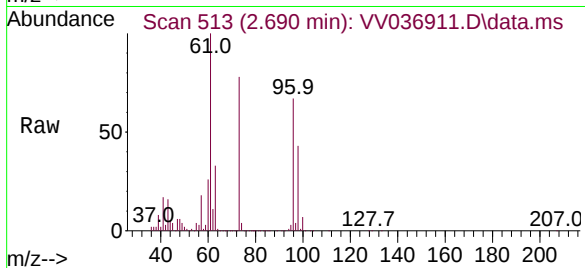
Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

Instrument :

MSVOA_V

ClientSampleId :



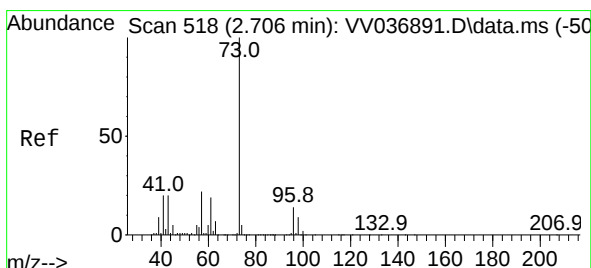
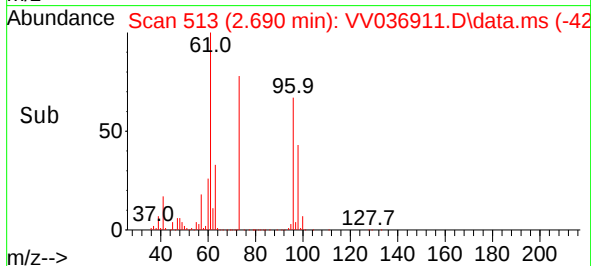
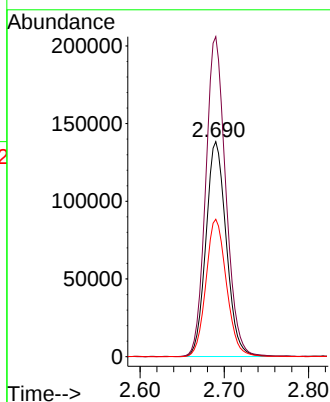
Tgt Ion: 96 Resp: 232114

Ion Ratio Lower Upper

96 100

61 148.8 100.0 185.8

98 64.0 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 50.269 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

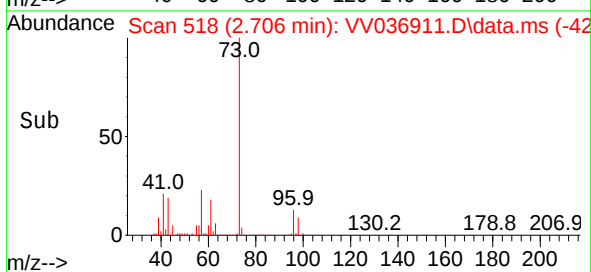
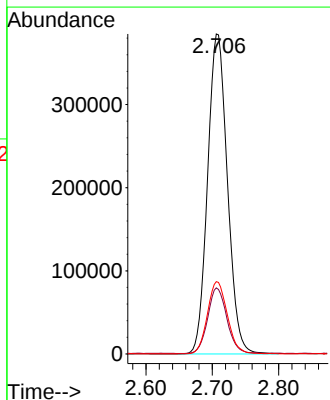
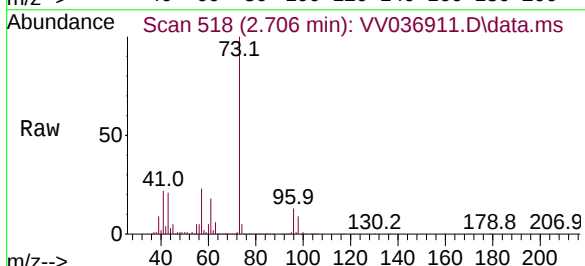
Tgt Ion: 73 Resp: 799386

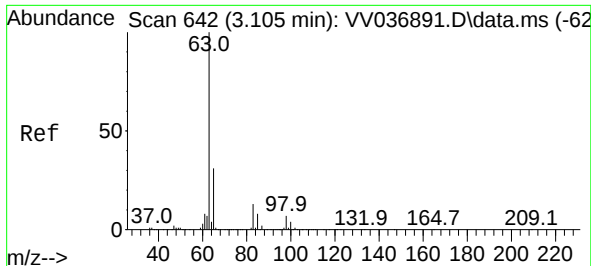
Ion Ratio Lower Upper

73 100

43 19.8 16.1 24.1

57 22.5 17.9 26.9

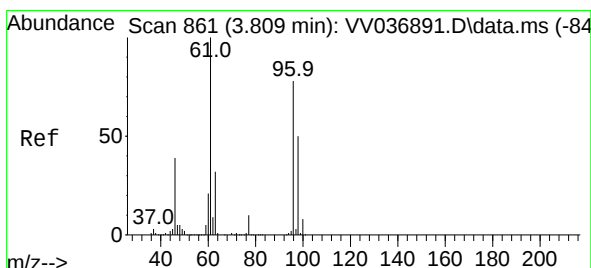
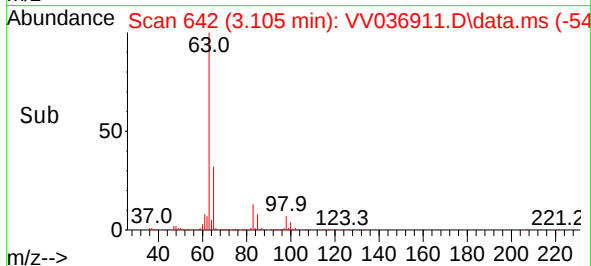
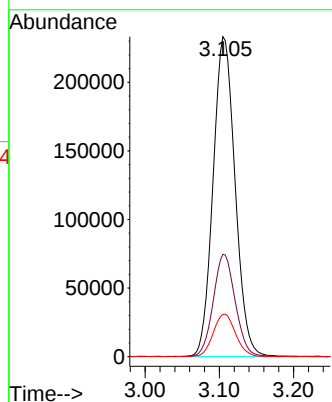
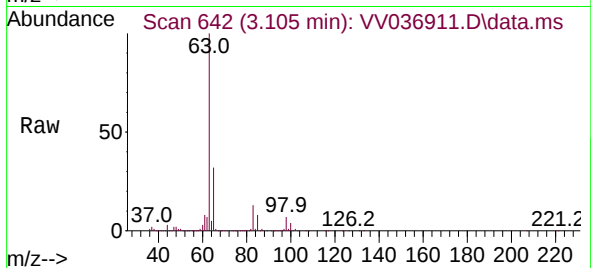




#19
1,1-Dichloroethane
Concen: 52.641 ug/L
RT: 3.105 min Scan# 642
Delta R.T. 0.000 min
Lab File: VV036911.D
Acq: 12 Aug 2024 17:30

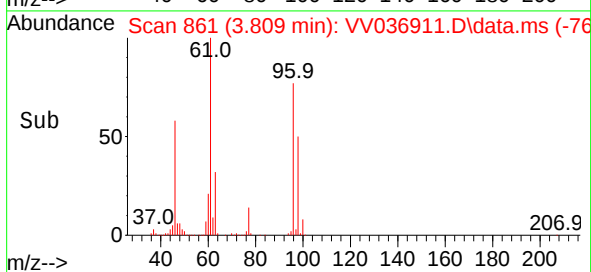
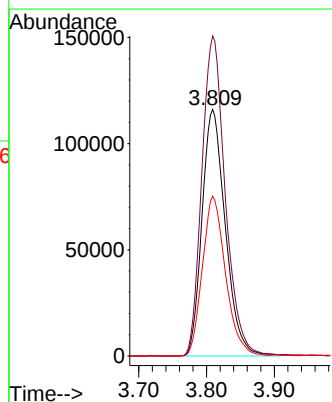
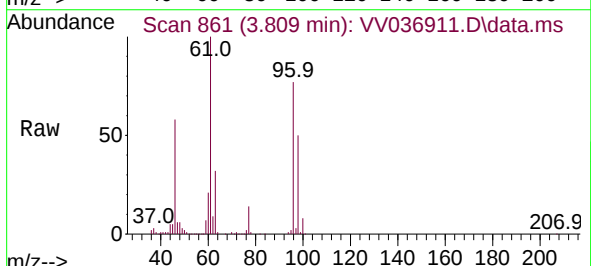
Instrument :
MSVOA_V
ClientSampleId :

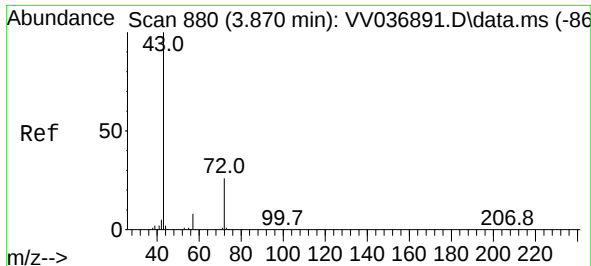
Tgt Ion: 63 Resp: 480195
Ion Ratio Lower Upper
63 100
65 32.0 23.2 43.0
83 13.3 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 52.369 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.000 min
Lab File: VV036911.D
Acq: 12 Aug 2024 17:30

Tgt Ion: 96 Resp: 277529
Ion Ratio Lower Upper
96 100
61 129.8 93.9 174.5
98 64.9 46.0 85.4

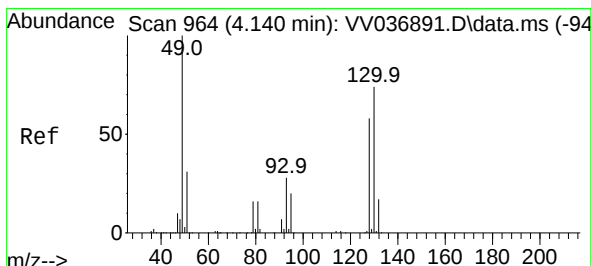
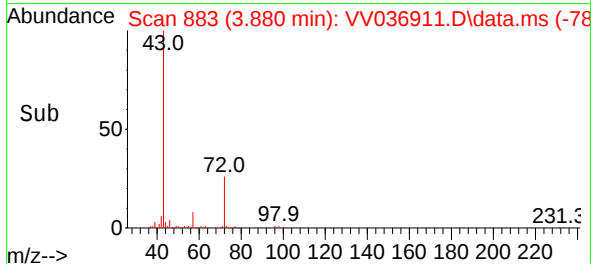
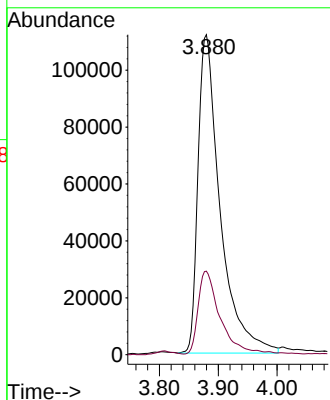
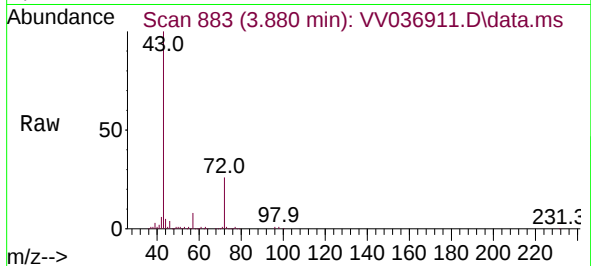




#22
2-Butanone
Concen: 89.411 ug/L
RT: 3.880 min Scan# 880
Delta R.T. 0.010 min
Lab File: VV036911.D
Acq: 12 Aug 2024 17:30

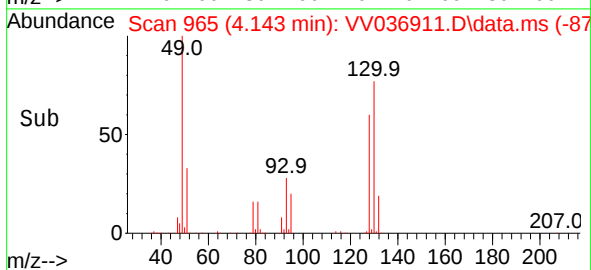
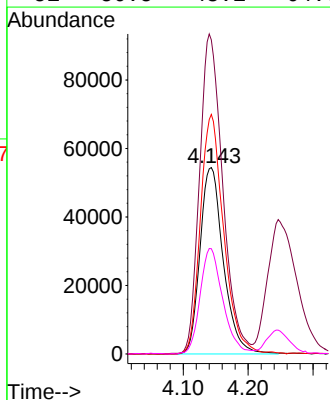
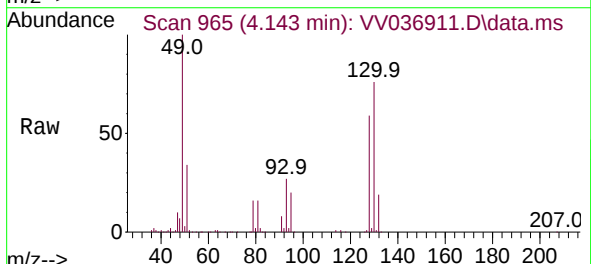
Instrument :
MSVOA_V
ClientSampleId :

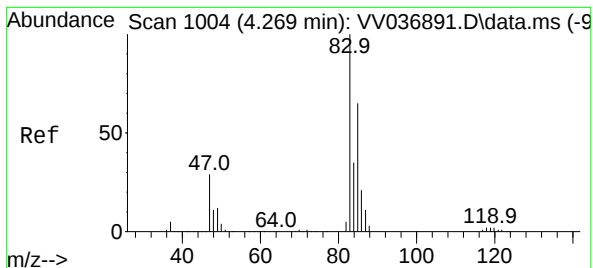
Tgt Ion: 43 Resp: 292645
Ion Ratio Lower Upper
43 100
72 25.0 12.5 37.5



#23
Bromochloromethane
Concen: 52.786 ug/L
RT: 4.143 min Scan# 965
Delta R.T. 0.003 min
Lab File: VV036911.D
Acq: 12 Aug 2024 17:30

Tgt Ion:128 Resp: 135885
Ion Ratio Lower Upper
128 100
49 168.6 120.0 223.0
130 128.5 87.0 161.6
51 56.5 43.1 64.7





#25

Chloroform

Concen: 51.999 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

Instrument :

MSVOA_V

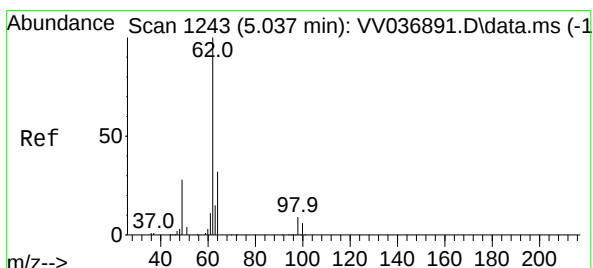
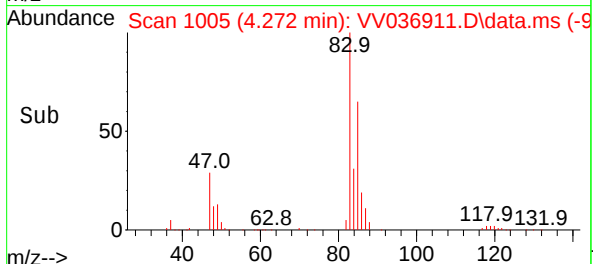
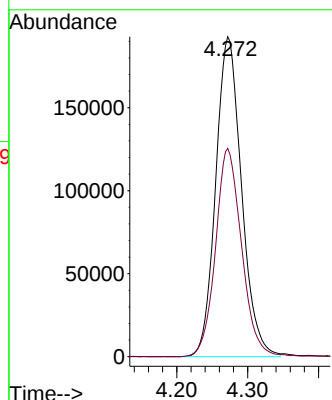
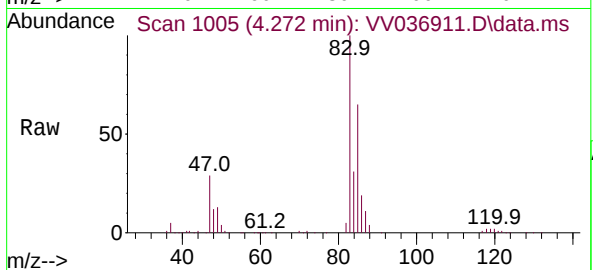
ClientSampleId :

Tgt Ion: 83 Resp: 487189

Ion Ratio Lower Upper

83 100

85 65.1 46.0 85.4



#27

1,2-Dichloroethane

Concen: 50.795 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV036911.D

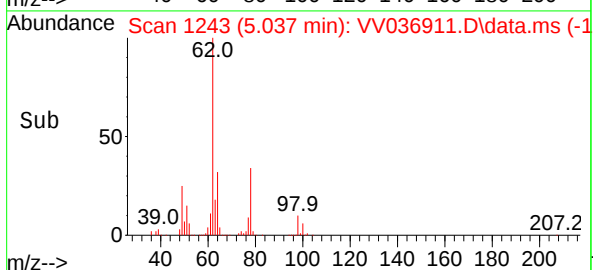
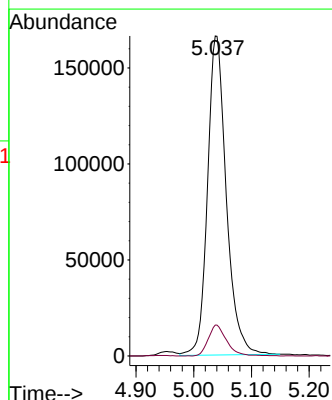
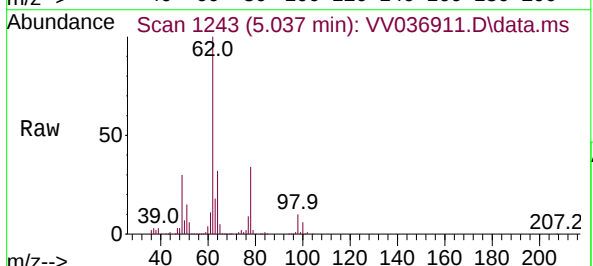
Acq: 12 Aug 2024 17:30

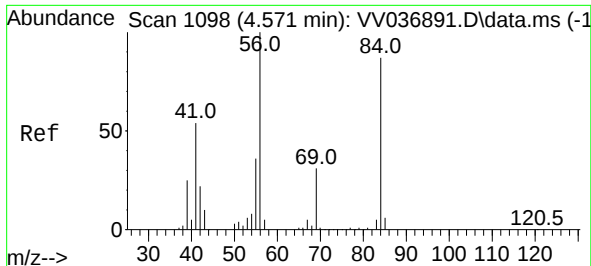
Tgt Ion: 62 Resp: 375395

Ion Ratio Lower Upper

62 100

98 9.7 7.5 11.3





#29

Cyclohexane

Concen: 49.737 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.003 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

Instrument :

MSVOA_V

ClientSampleId :

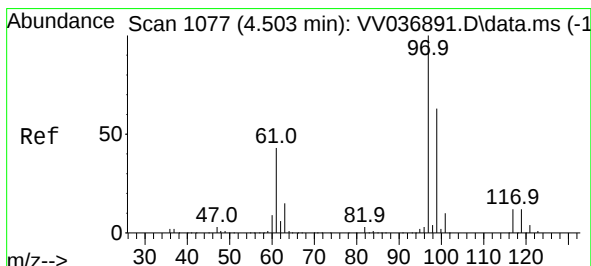
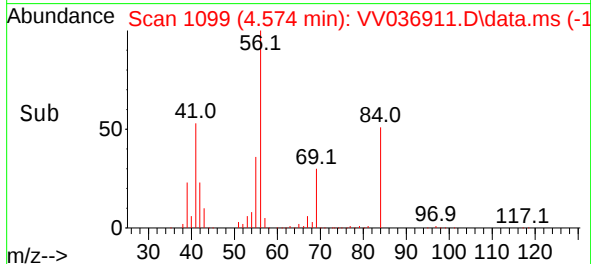
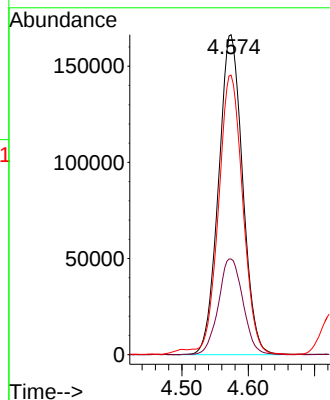
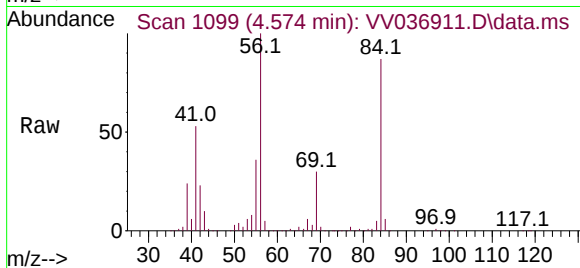
Tgt Ion: 56 Resp: 419374

Ion Ratio Lower Upper

56 100

69 30.5 24.7 37.1

84 87.4 68.5 102.7



#30

1,1,1-Trichloroethane

Concen: 49.851 ug/L

RT: 4.507 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

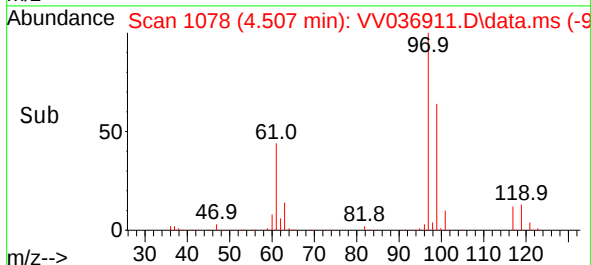
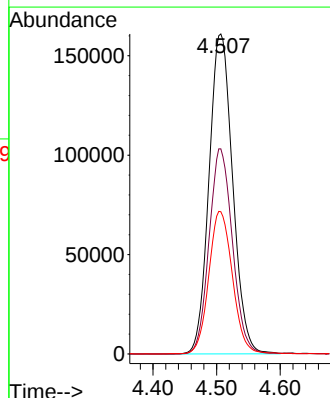
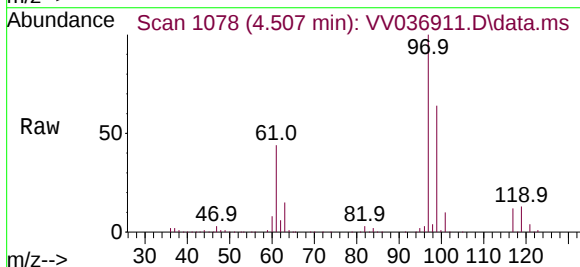
Tgt Ion: 97 Resp: 415640

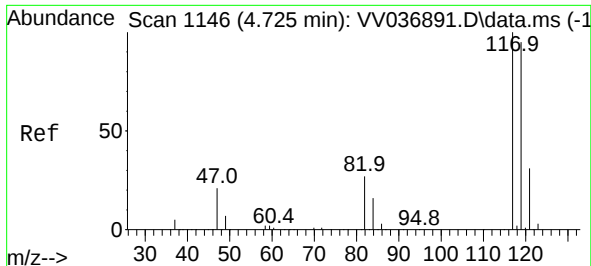
Ion Ratio Lower Upper

97 100

99 63.5 51.5 77.3

61 44.3 36.0 54.0

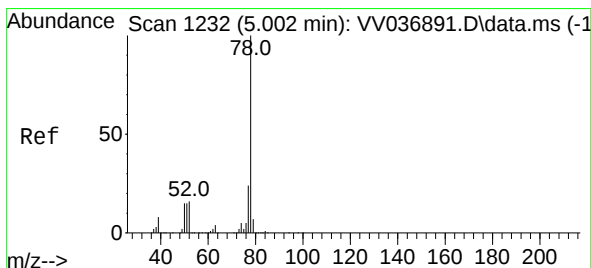
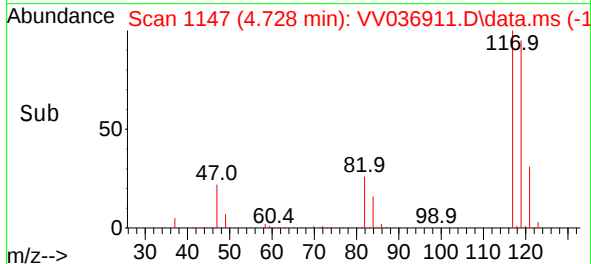
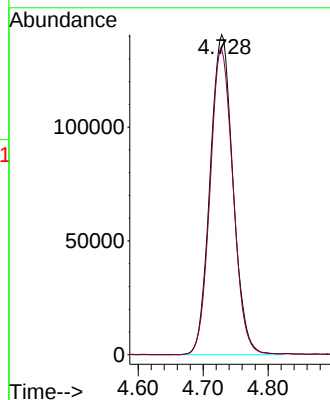
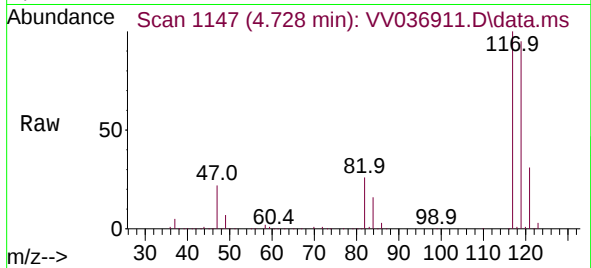




#31
Carbon tetrachloride
Concen: 49.200 ug/L
RT: 4.728 min Scan# 1146
Delta R.T. 0.003 min
Lab File: VV036911.D
Acq: 12 Aug 2024 17:30

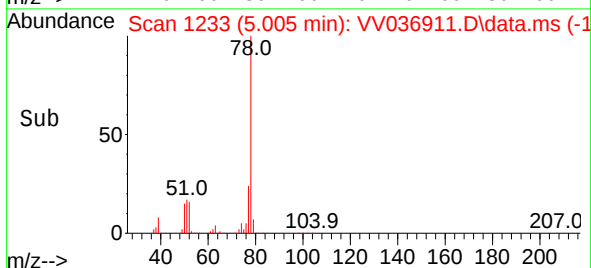
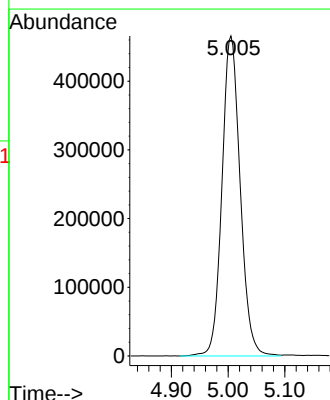
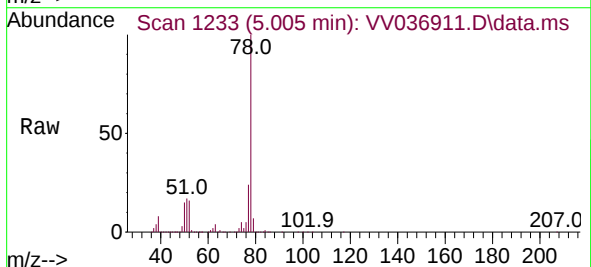
Instrument :
MSVOA_V
ClientSampleId :

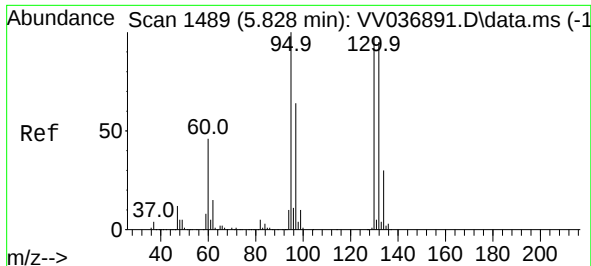
Tgt Ion:117 Resp: 344499
Ion Ratio Lower Upper
117 100
119 95.6 76.1 114.1



#33
Benzene
Concen: 52.551 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. 0.003 min
Lab File: VV036911.D
Acq: 12 Aug 2024 17:30

Tgt Ion: 78 Resp: 1040193

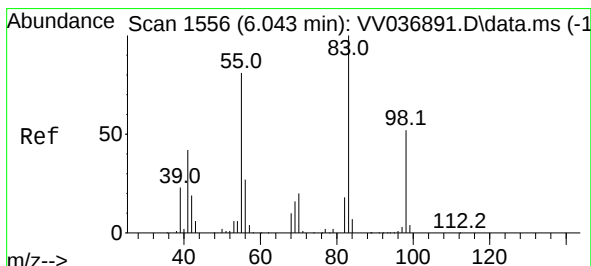
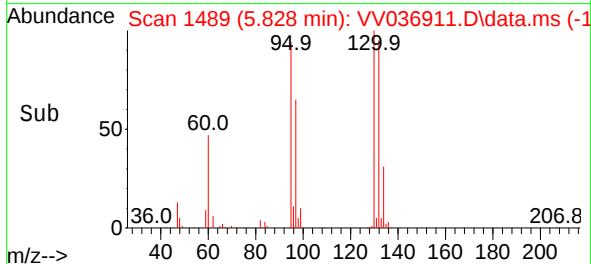
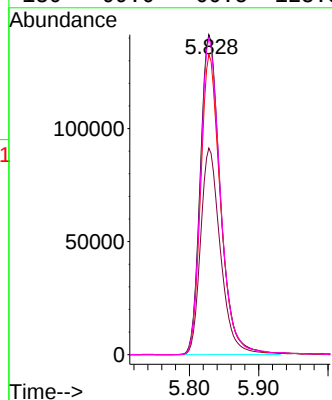
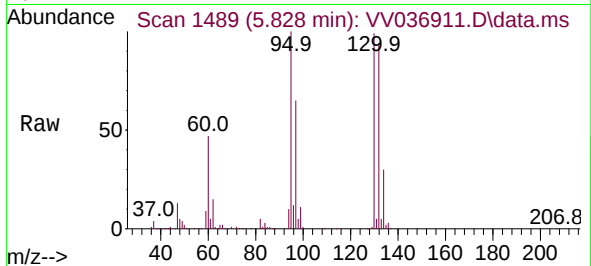




#34
Trichloroethene
Concen: 49.560 ug/L
RT: 5.828 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VV036911.D
Acq: 12 Aug 2024 17:30

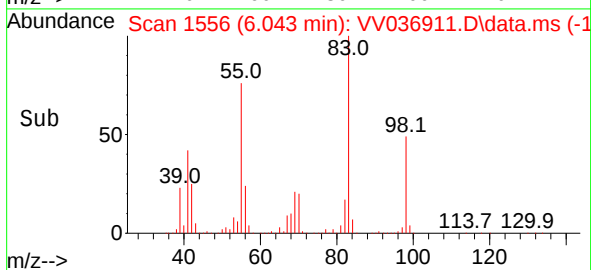
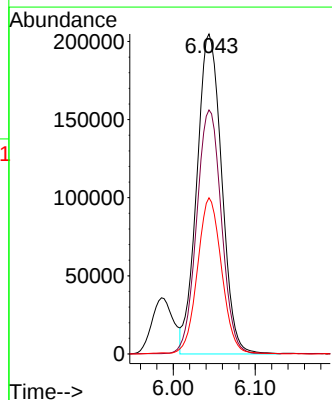
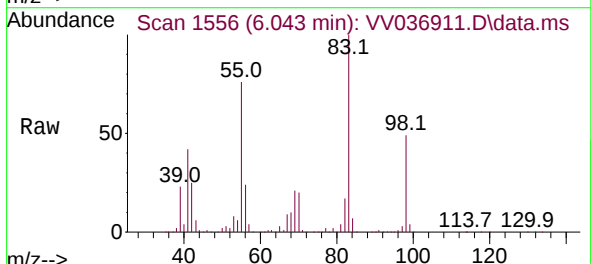
Instrument :
MSVOA_V
ClientSampleId :

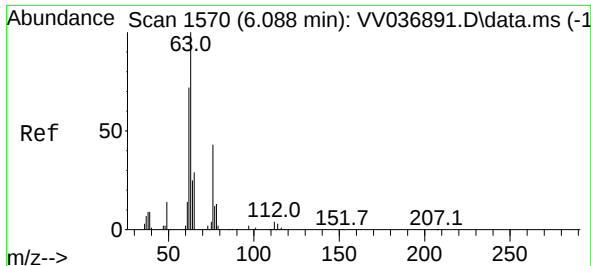
Tgt Ion: 95 Resp: 284304
Ion Ratio Lower Upper
95 100
97 64.5 44.7 82.9
132 93.8 62.9 116.9
130 99.0 66.5 123.5



#35
Methylcyclohexane
Concen: 49.039 ug/L
RT: 6.043 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VV036911.D
Acq: 12 Aug 2024 17:30

Tgt Ion: 83 Resp: 431671
Ion Ratio Lower Upper
83 100
55 75.7 62.3 93.5
98 47.1 38.7 58.1

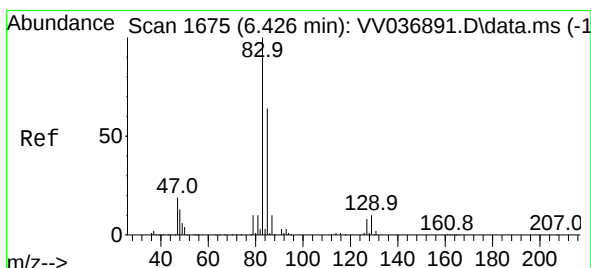
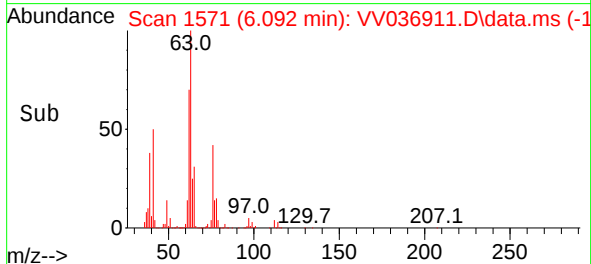
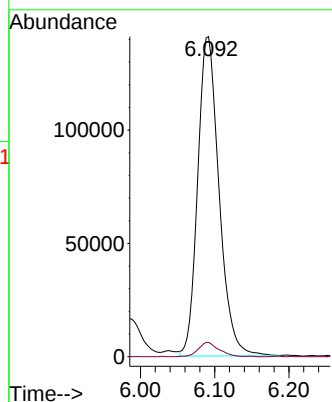
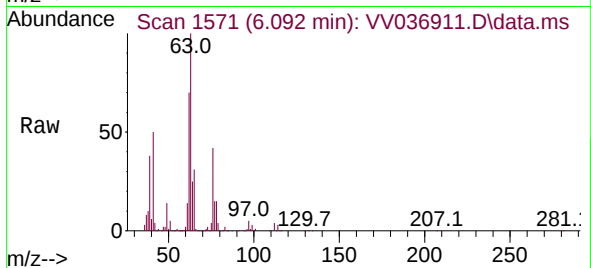




#37
1,2-Dichloropropane
Concen: 53.861 ug/L
RT: 6.092 min Scan# 1570
Delta R.T. 0.003 min
Lab File: VV036911.D
Acq: 12 Aug 2024 17:30

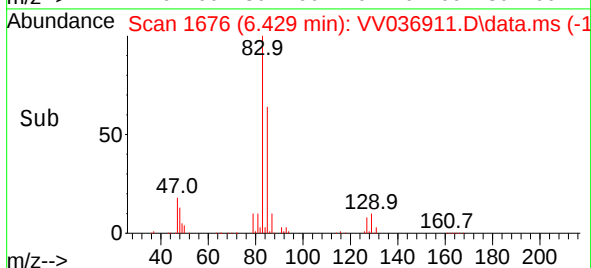
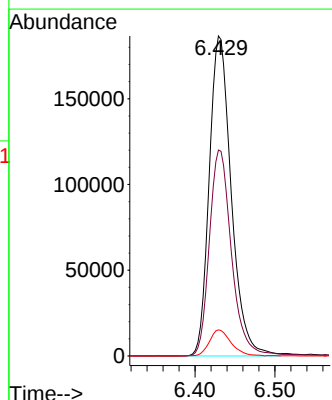
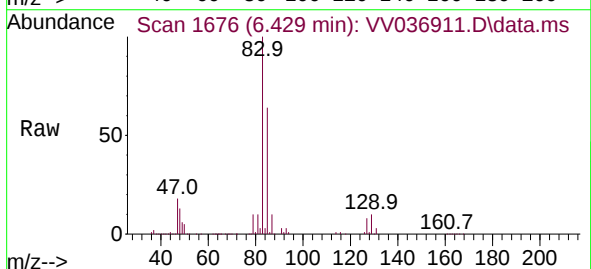
Instrument :
MSVOA_V
ClientSampleId :

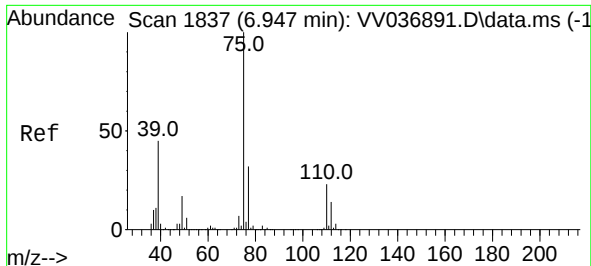
Tgt Ion: 63 Resp: 282420
Ion Ratio Lower Upper
63 100
112 4.3 3.6 5.4



#38
Bromodichloromethane
Concen: 49.489 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.003 min
Lab File: VV036911.D
Acq: 12 Aug 2024 17:30

Tgt Ion: 83 Resp: 357344
Ion Ratio Lower Upper
83 100
85 64.3 44.7 83.1
127 8.2 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 47.709 ug/L

RT: 6.950 min Scan# 1838

Delta R.T. 0.003 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

Instrument :

MSVOA_V

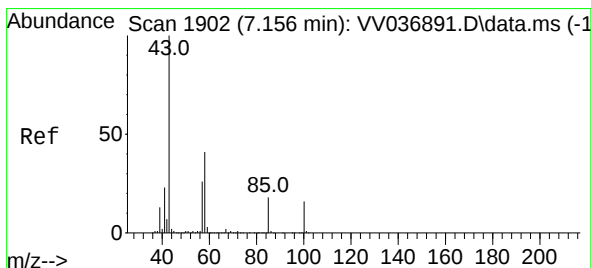
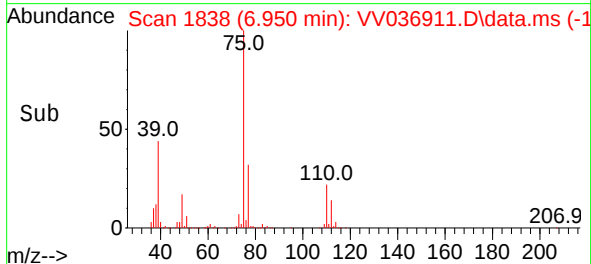
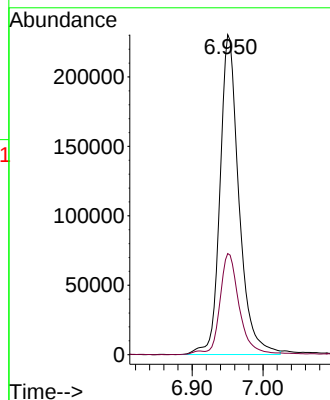
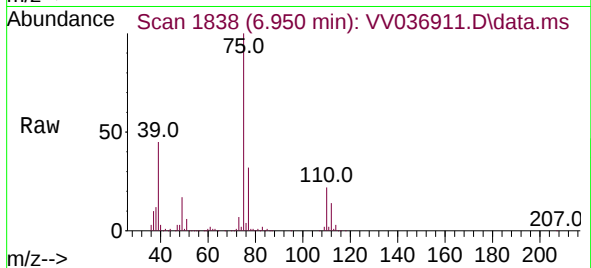
ClientSampleId :

Tgt Ion: 75 Resp: 428442

Ion Ratio Lower Upper

75 100

77 31.6 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 95.561 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.003 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

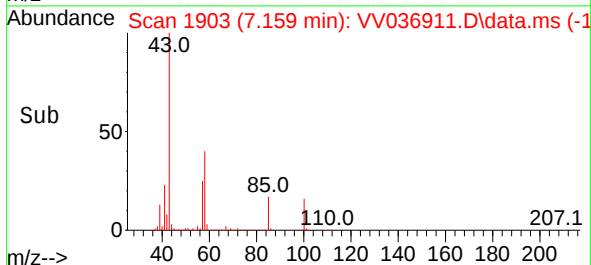
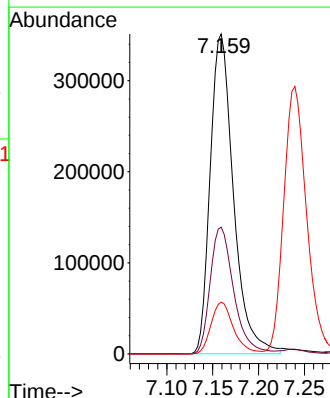
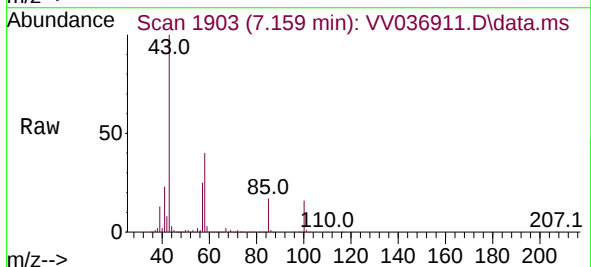
Tgt Ion: 43 Resp: 620716

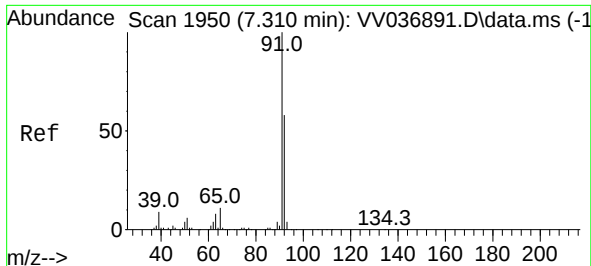
Ion Ratio Lower Upper

43 100

58 40.0 31.3 46.9

100 15.7 12.6 18.8





#42

Toluene

Concen: 51.316 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

Instrument :

MSVOA_V

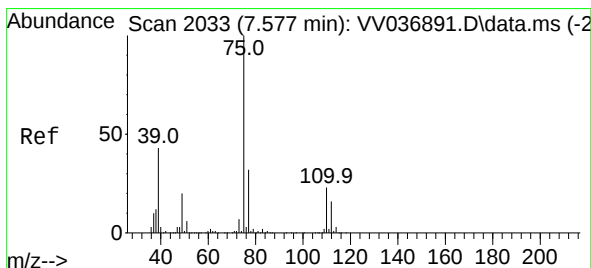
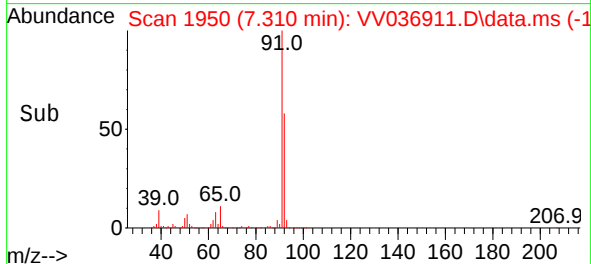
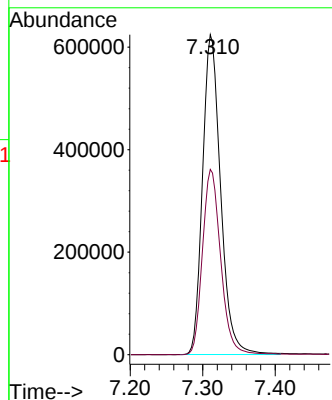
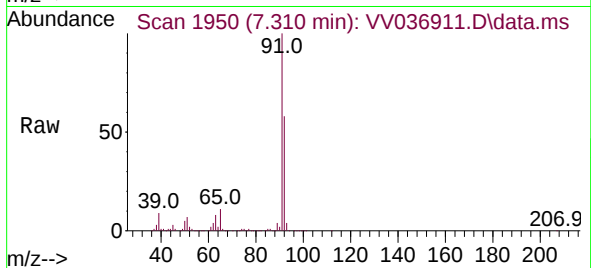
ClientSampleId :

Tgt Ion: 91 Resp: 1081893

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 46.526 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV036911.D

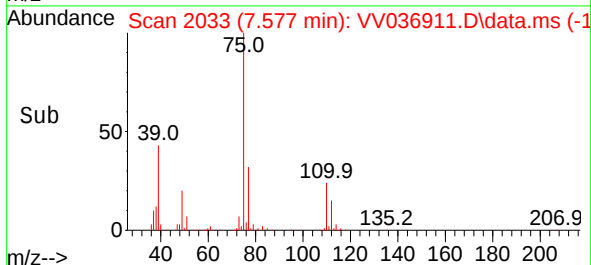
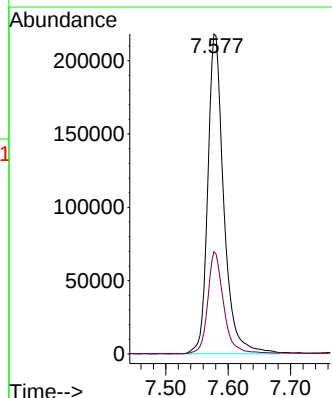
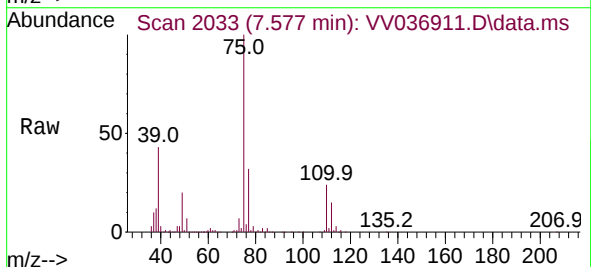
Acq: 12 Aug 2024 17:30

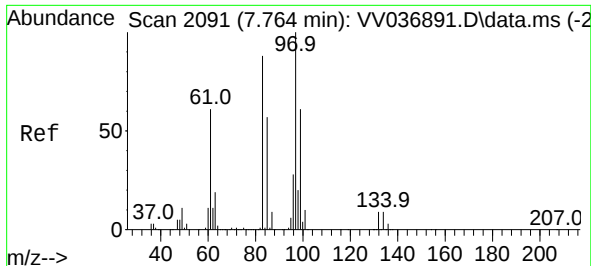
Tgt Ion: 75 Resp: 389340

Ion Ratio Lower Upper

75 100

77 31.9 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 51.171 ug/L

RT: 7.767 min Scan# 2091

Delta R.T. 0.003 min

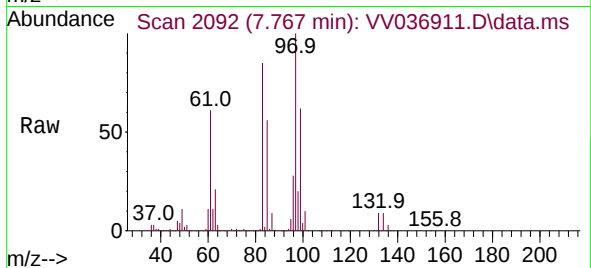
Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 97 Resp: 259846

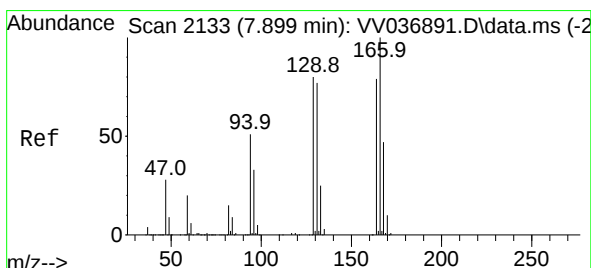
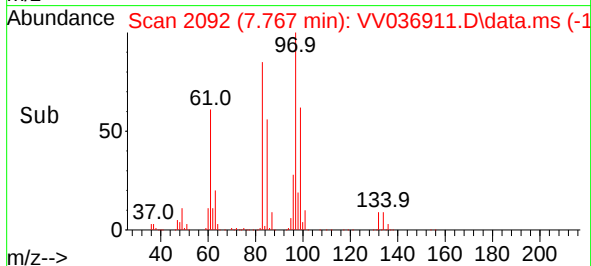
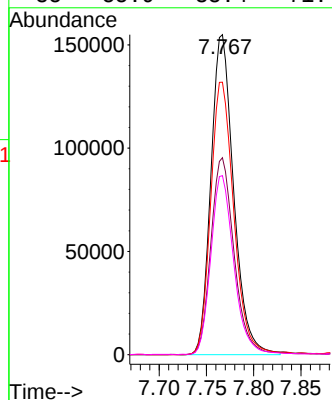
Ion Ratio Lower Upper

97 100

99 61.6 44.0 81.6

83 85.2 60.1 111.5

85 55.9 38.4 71.4



#46

Tetrachloroethene

Concen: 50.959 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.000 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

Tgt Ion:164 Resp: 191749

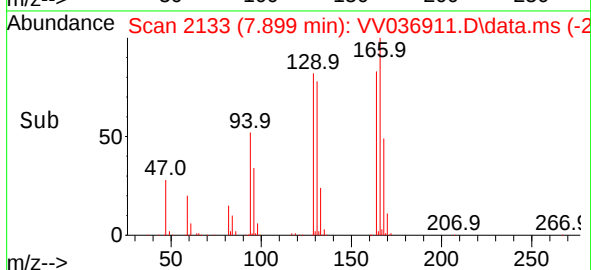
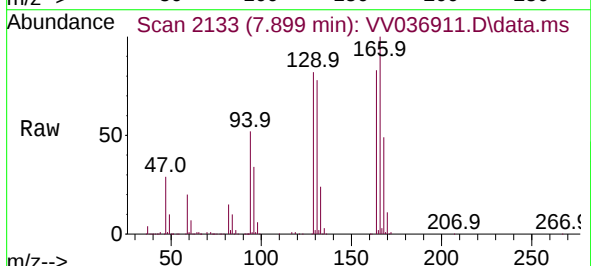
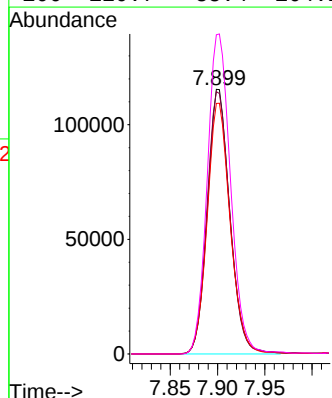
Ion Ratio Lower Upper

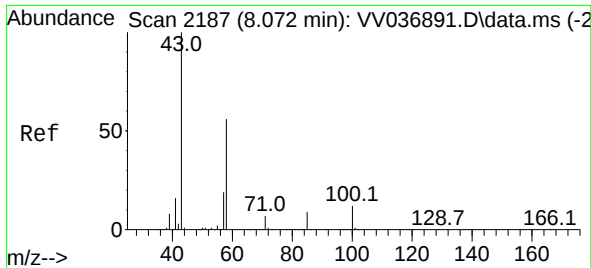
164 100

129 99.1 70.4 130.8

131 94.7 67.7 125.7

166 120.7 88.4 164.2

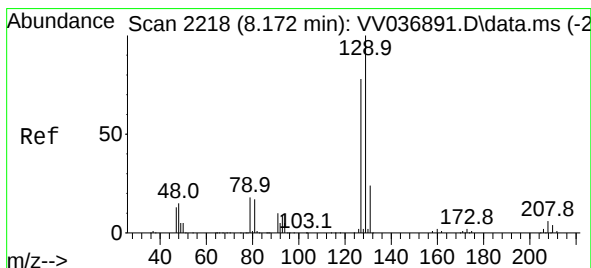
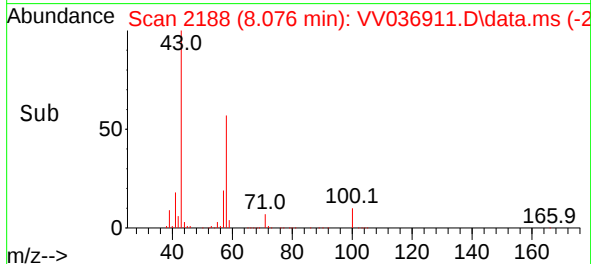
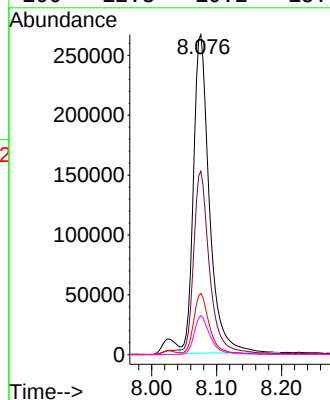
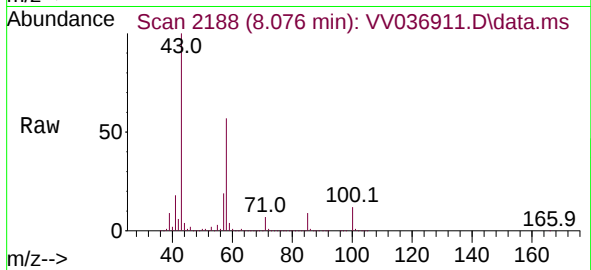




#48
2-Hexanone
Concen: 95.250 ug/L
RT: 8.076 min Scan# 2187
Delta R.T. 0.003 min
Lab File: VV036911.D
Acq: 12 Aug 2024 17:30

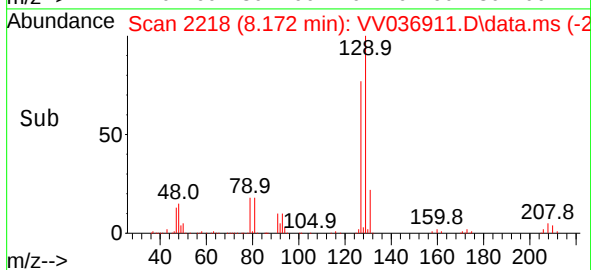
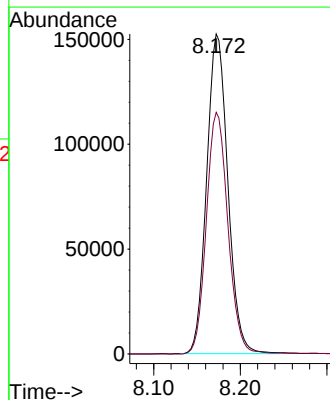
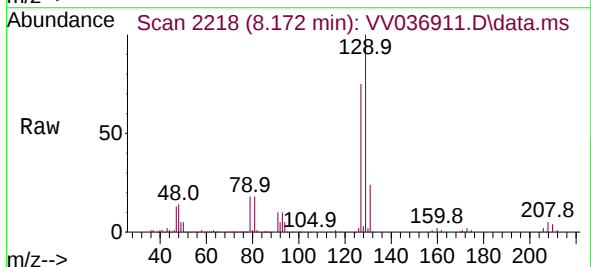
Instrument :
MSVOA_V
ClientSampleId :

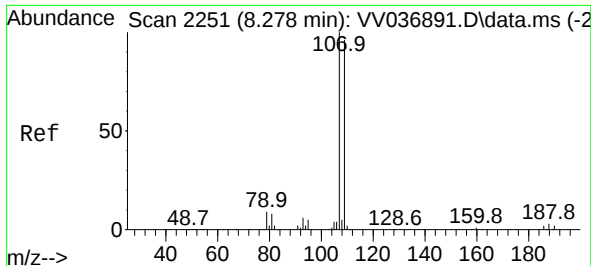
Tgt Ion: 43 Resp: 455160
Ion Ratio Lower Upper
43 100
58 56.4 44.7 67.1
57 18.2 15.0 22.4
100 12.3 10.2 15.4



#49
Dibromochloromethane
Concen: 49.725 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.000 min
Lab File: VV036911.D
Acq: 12 Aug 2024 17:30

Tgt Ion: 129 Resp: 259476
Ion Ratio Lower Upper
129 100
127 75.5 55.4 102.8

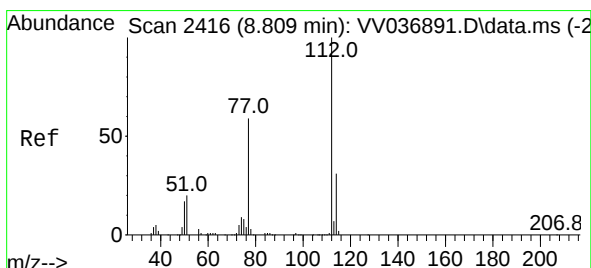
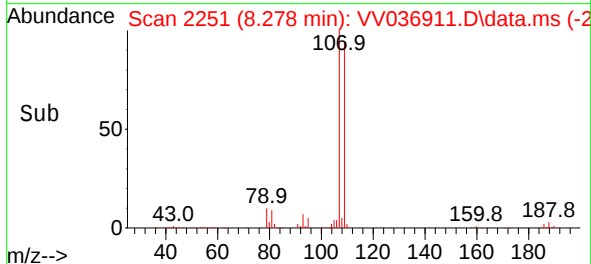
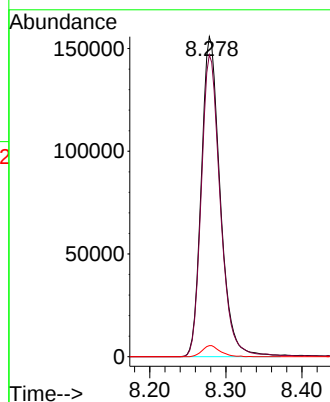
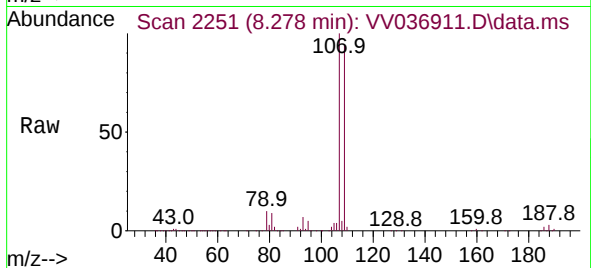




#50
1,2-Dibromoethane
Concen: 51.064 ug/L
RT: 8.278 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV036911.D
Acq: 12 Aug 2024 17:30

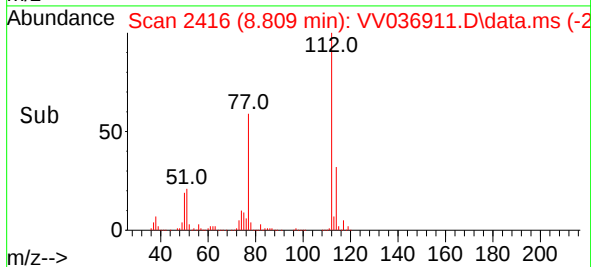
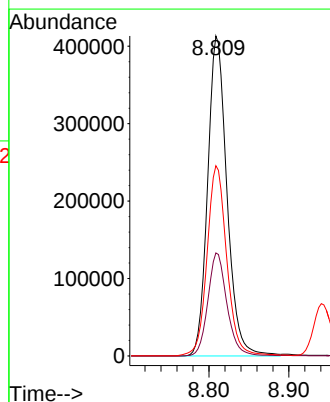
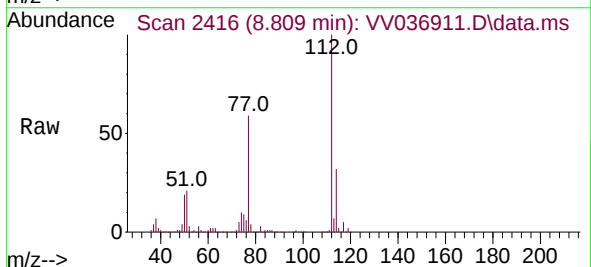
Instrument :
MSVOA_V
ClientSampleId :

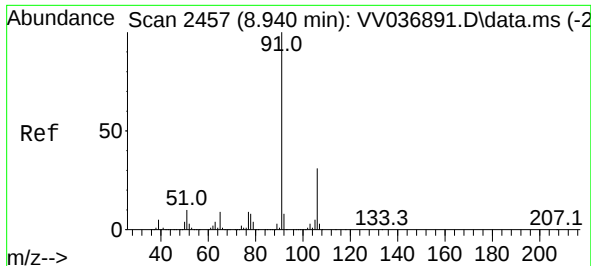
Tgt Ion:107 Resp: 269034
Ion Ratio Lower Upper
107 100
109 94.3 64.7 120.1
188 3.5 2.6 3.8



#51
Chlorobenzene
Concen: 51.406 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. 0.000 min
Lab File: VV036911.D
Acq: 12 Aug 2024 17:30

Tgt Ion:112 Resp: 695392
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.5
77 59.5 48.9 73.3





#52

Ethylbenzene

Concen: 51.433 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. 0.000 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

Instrument :

MSVOA_V

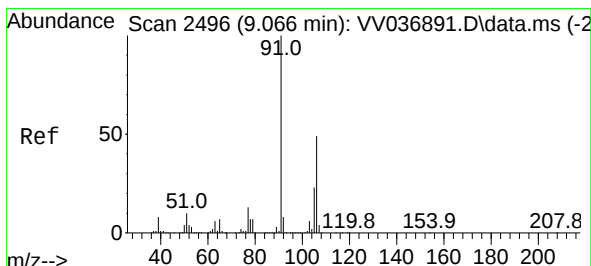
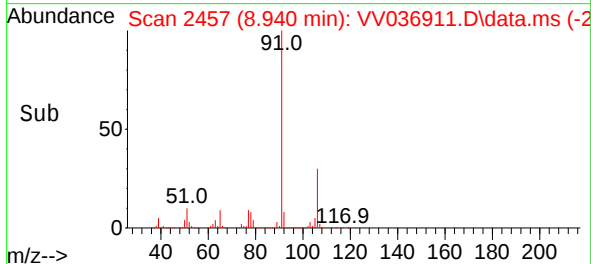
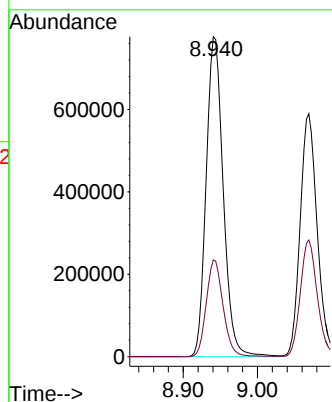
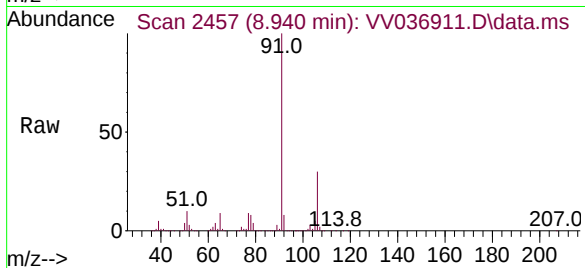
ClientSampleId :

Tgt Ion: 91 Resp: 1238130

Ion Ratio Lower Upper

91 100

106 30.3 21.1 39.1



#53

m,p-Xylene

Concen: 49.890 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.003 min

Lab File: VV036911.D

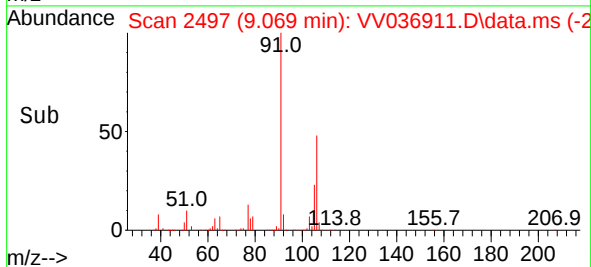
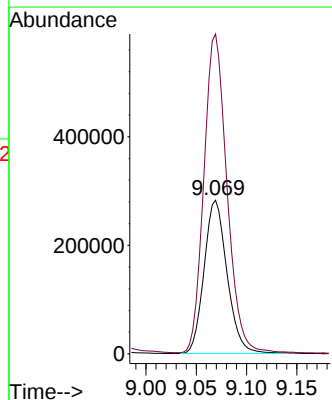
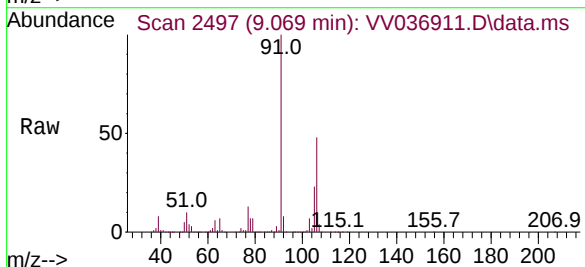
Acq: 12 Aug 2024 17:30

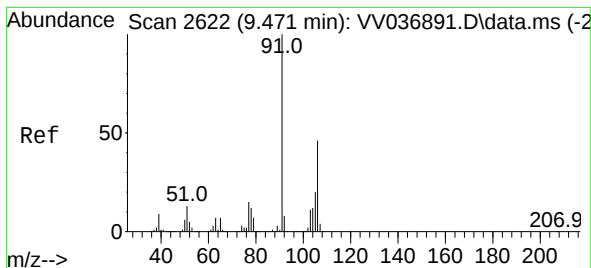
Tgt Ion:106 Resp: 448925

Ion Ratio Lower Upper

106 100

91 208.1 147.1 273.3





#54

o-Xylene

Concen: 51.105 ug/L

RT: 9.474 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

Instrument :

MSVOA_V

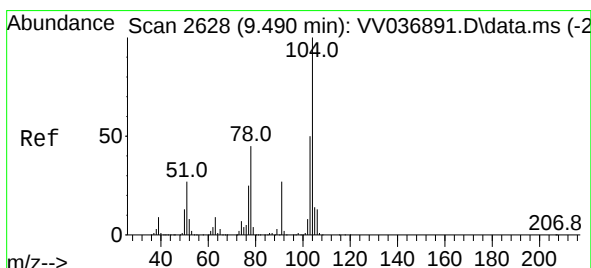
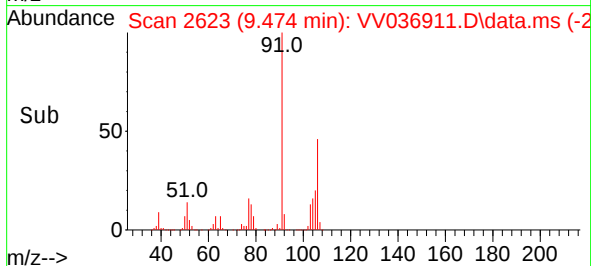
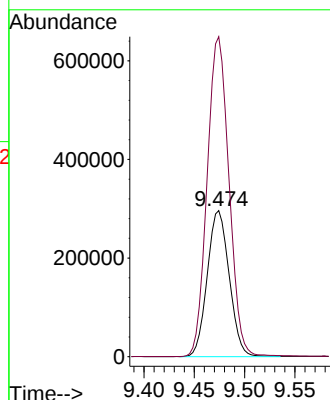
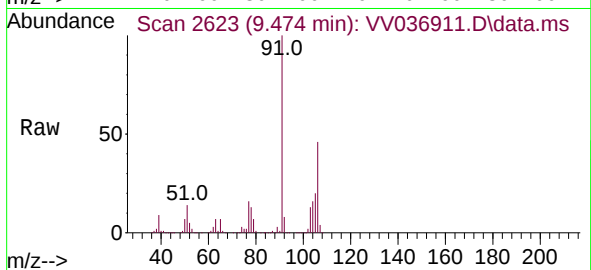
ClientSampleId :

Tgt Ion:106 Resp: 449768

Ion Ratio Lower Upper

106 100

91 219.1 154.5 286.9



#55

Styrene

Concen: 52.262 ug/L

RT: 9.490 min Scan# 2628

Delta R.T. 0.000 min

Lab File: VV036911.D

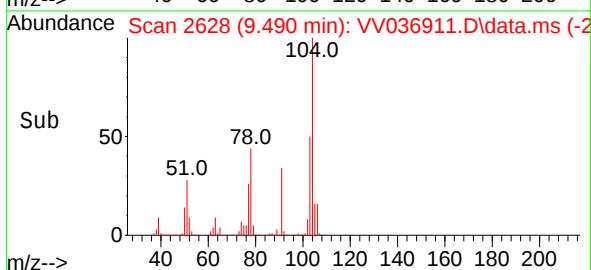
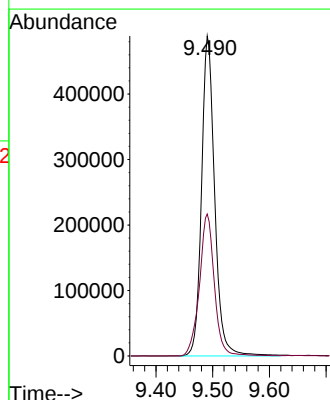
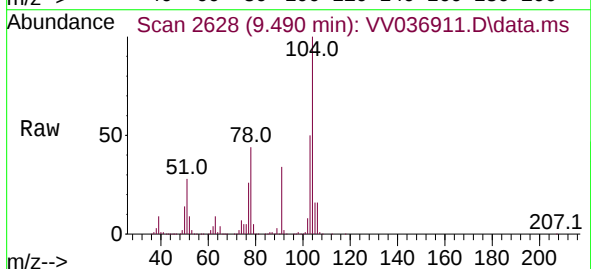
Acq: 12 Aug 2024 17:30

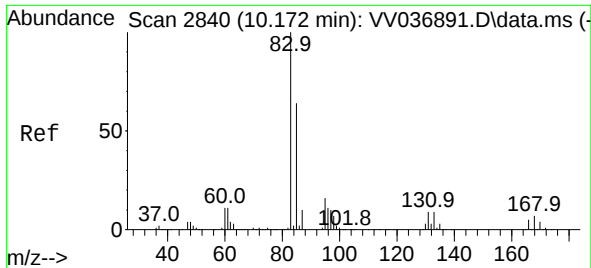
Tgt Ion:104 Resp: 788231

Ion Ratio Lower Upper

104 100

78 44.4 32.1 59.7

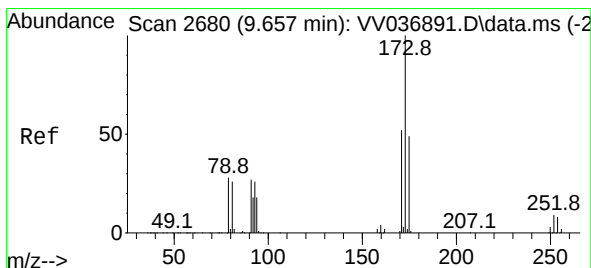
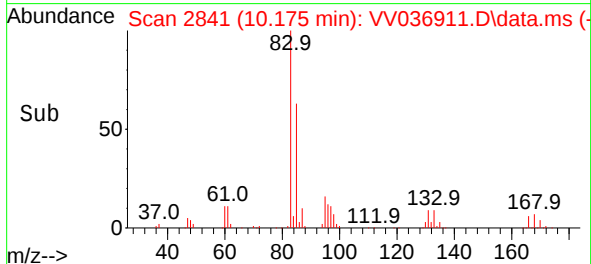
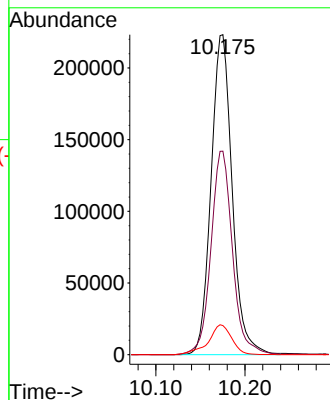
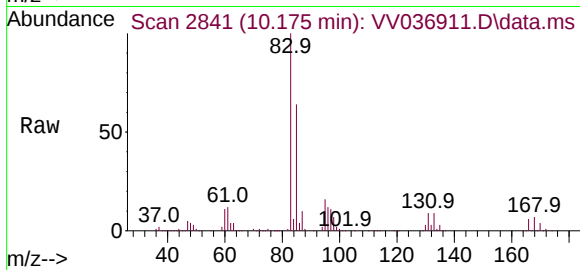




#57
1,1,2-Tetrachloroethane
Concen: 53.545 ug/L
RT: 10.175 min Scan# 2840
Delta R.T. 0.003 min
Lab File: VV036911.D
Acq: 12 Aug 2024 17:30

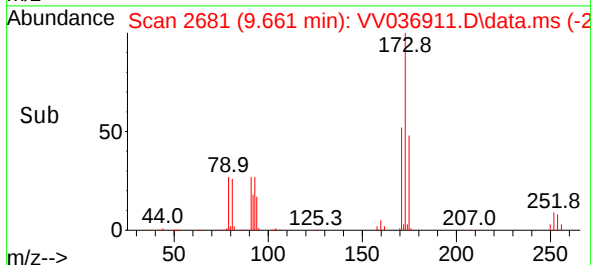
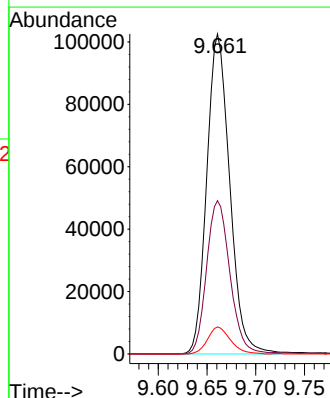
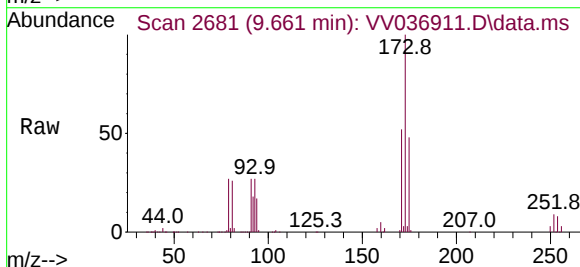
Instrument :
MSVOA_V
ClientSampleId :

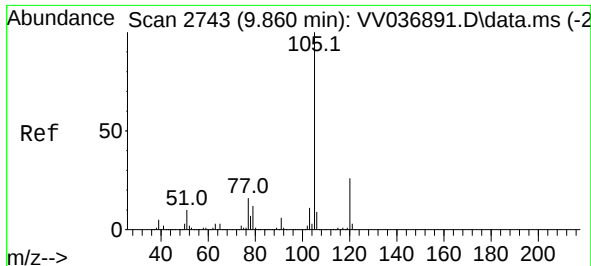
Tgt Ion: 83 Resp: 366877
Ion Ratio Lower Upper
83 100
85 63.6 44.7 83.1
131 9.1 7.2 10.8



#59
Bromoform
Concen: 45.107 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. 0.003 min
Lab File: VV036911.D
Acq: 12 Aug 2024 17:30

Tgt Ion: 173 Resp: 167968
Ion Ratio Lower Upper
173 100
175 48.8 39.8 59.8
254 8.4 6.8 10.2





#60

Isopropylbenzene

Concen: 50.266 ug/L

RT: 9.863 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

Instrument :

MSVOA_V

ClientSampleId :

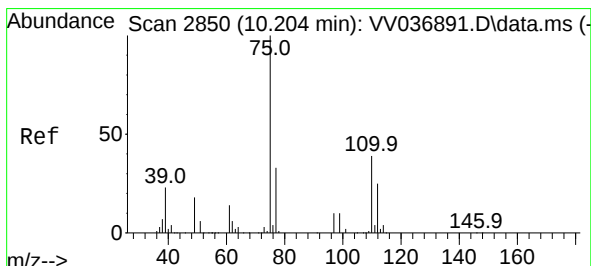
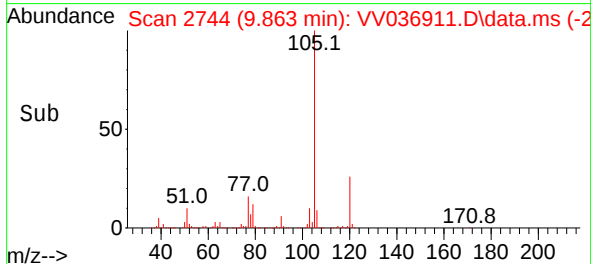
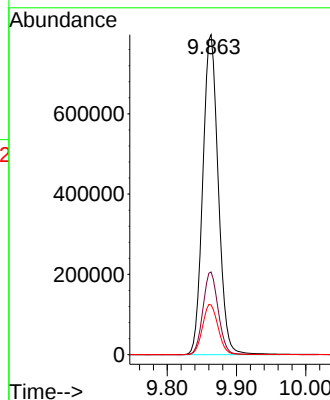
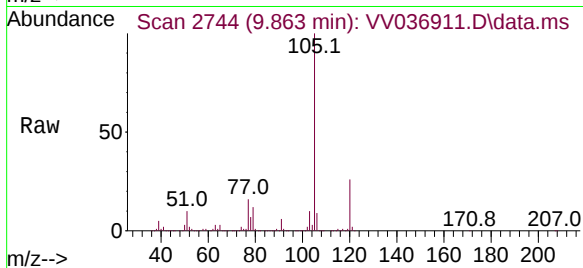
Tgt Ion:105 Resp: 1231778

Ion Ratio Lower Upper

105 100

120 25.6 20.3 30.5

77 15.8 13.1 19.7



#61

1,2,3-Trichloropropane

Concen: 48.719 ug/L

RT: 10.204 min Scan# 2850

Delta R.T. 0.000 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

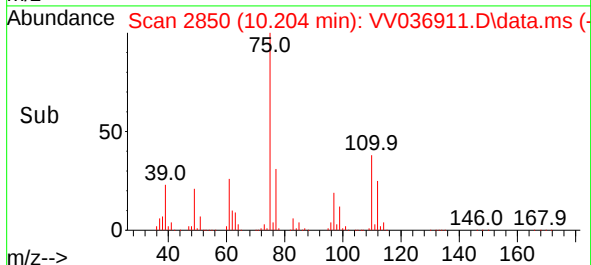
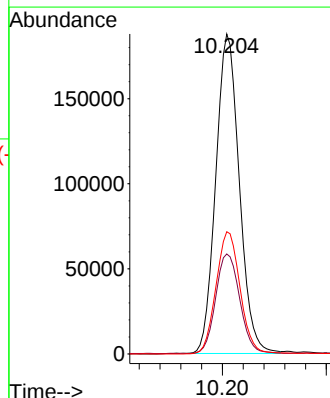
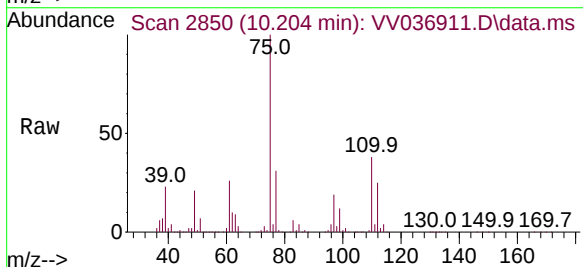
Tgt Ion: 75 Resp: 295205

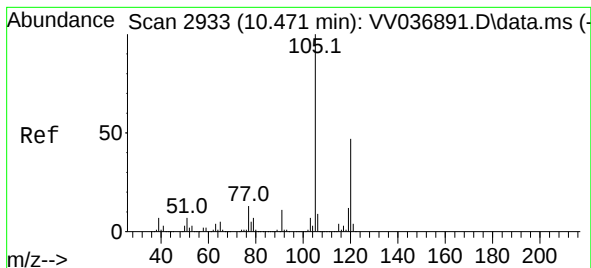
Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2

110 39.3 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 49.168 ug/L

RT: 10.471 min Scan# 20

Delta R.T. 0.000 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

Instrument :

MSVOA_V

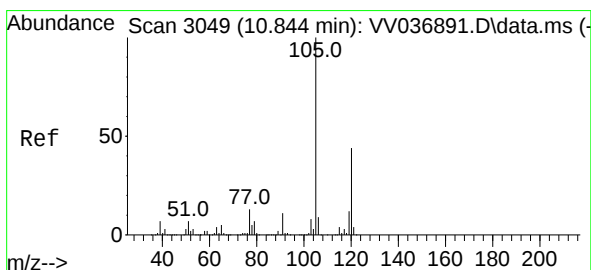
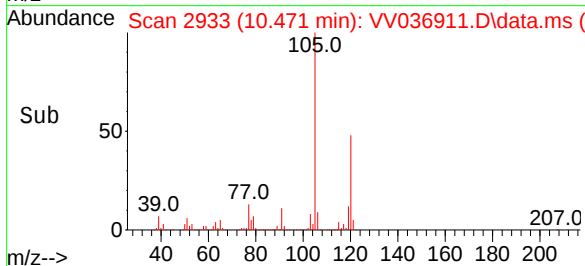
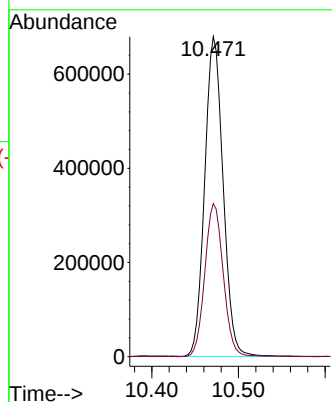
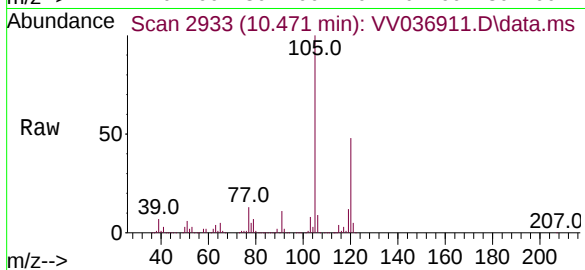
ClientSampleId :

Tgt Ion:105 Resp: 1003109

Ion Ratio Lower Upper

105 100

120 48.1 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 48.886 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VV036911.D

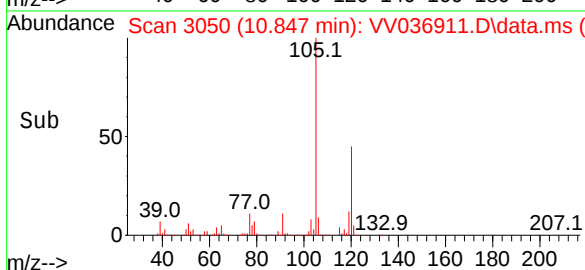
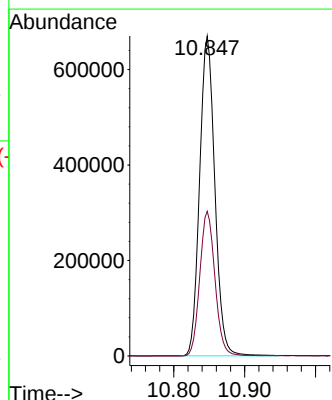
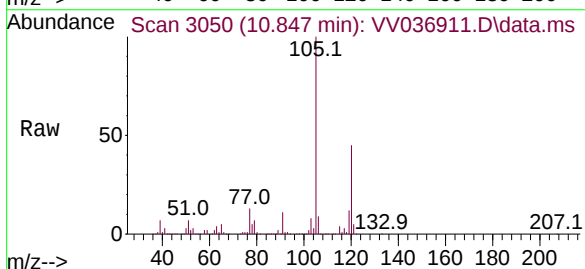
Acq: 12 Aug 2024 17:30

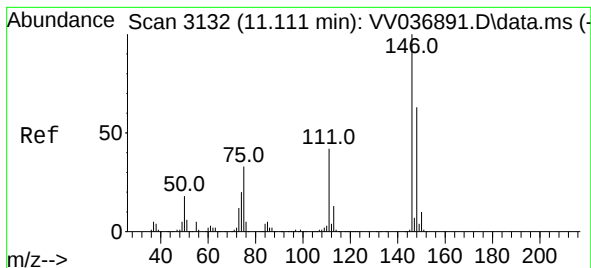
Tgt Ion:105 Resp: 998382

Ion Ratio Lower Upper

105 100

120 45.1 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 50.659 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. 0.000 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

Instrument :

MSVOA_V

ClientSampleId :

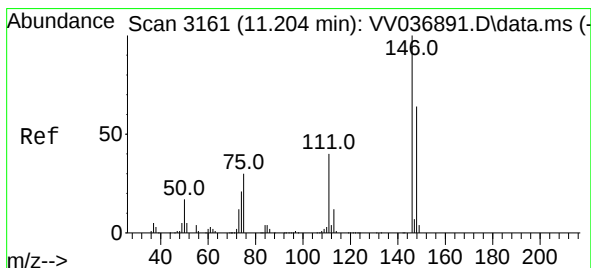
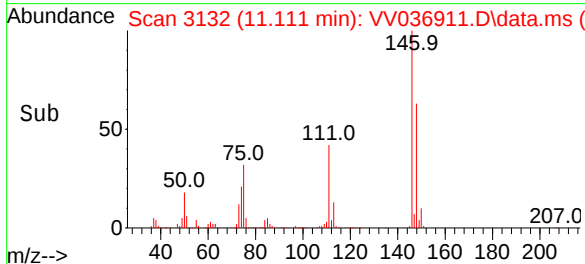
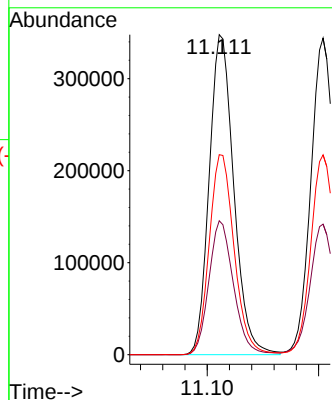
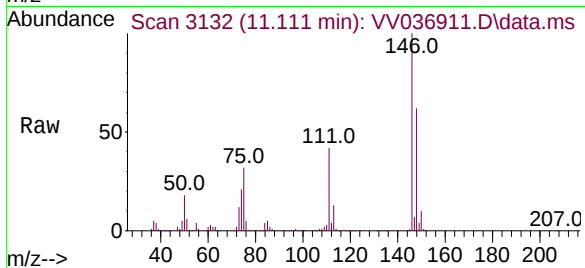
Tgt Ion:146 Resp: 533833

Ion Ratio Lower Upper

146 100

111 41.8 29.8 55.4

148 62.5 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 50.828 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

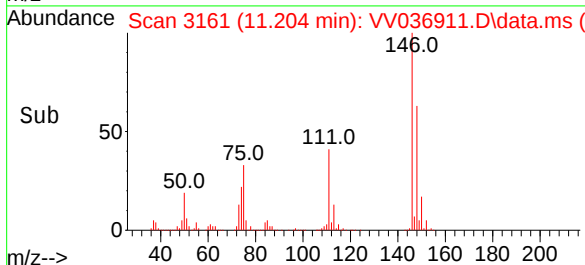
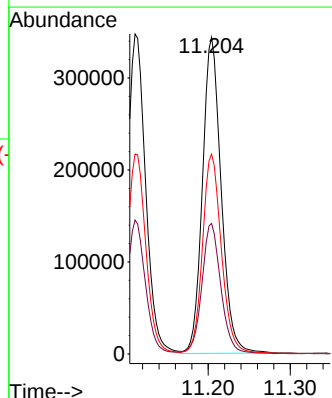
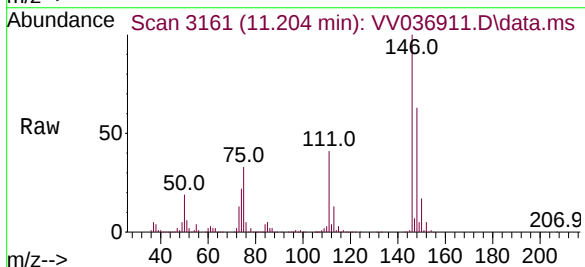
Tgt Ion:146 Resp: 544668

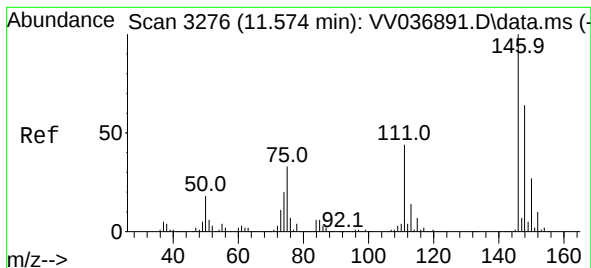
Ion Ratio Lower Upper

146 100

111 41.2 29.0 53.9

148 63.1 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 51.322 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. 0.000 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

Instrument :

MSVOA_V

ClientSampleId :

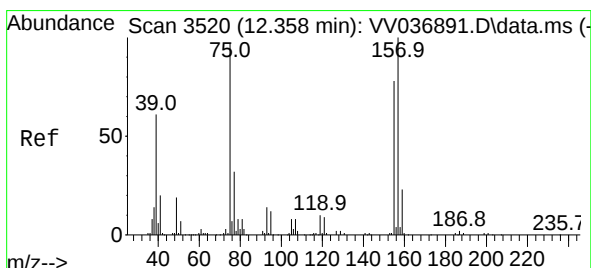
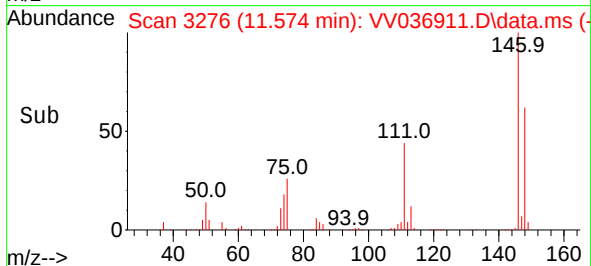
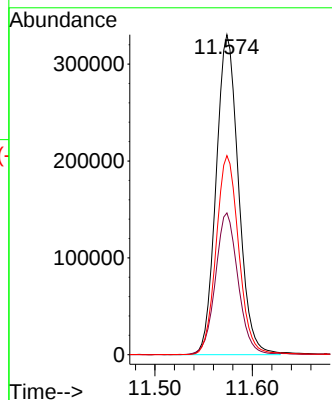
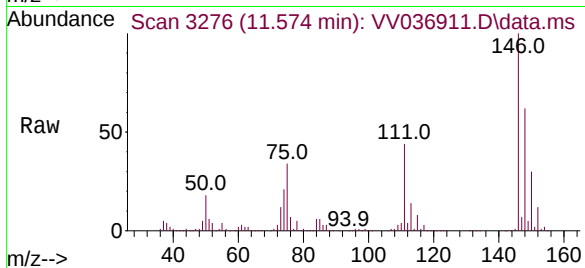
Tgt Ion:146 Resp: 528199

Ion Ratio Lower Upper

146 100

111 44.3 35.7 53.5

148 62.2 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 42.354 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. 0.000 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

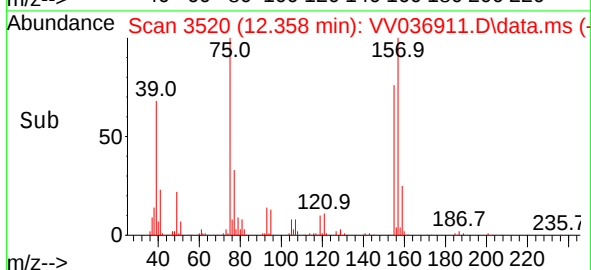
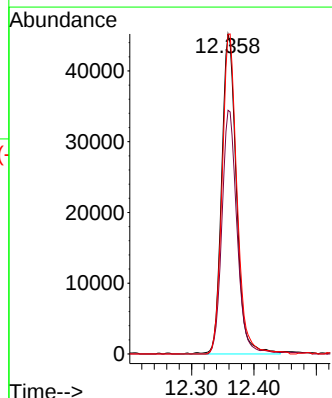
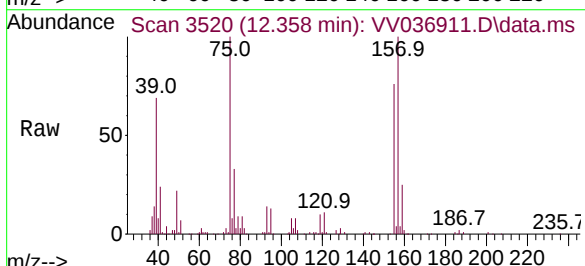
Tgt Ion: 75 Resp: 74162

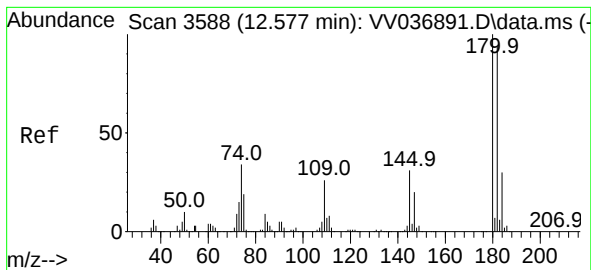
Ion Ratio Lower Upper

75 100

155 76.2 59.5 89.3

157 99.9 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 49.712 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.000 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 371761

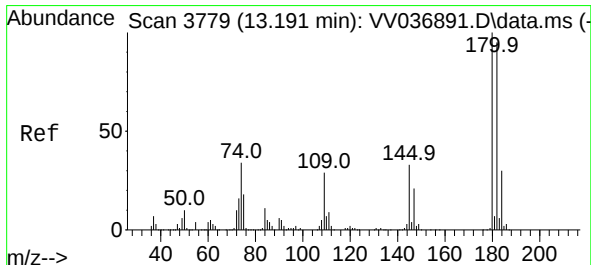
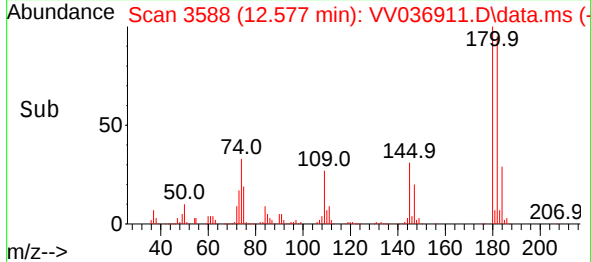
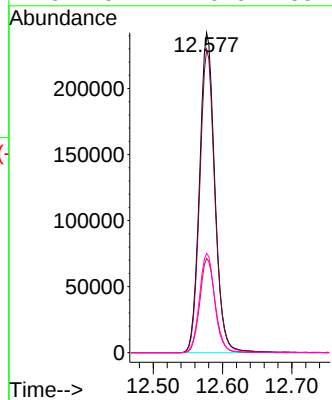
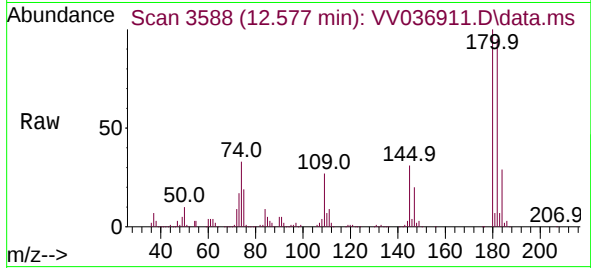
Ion Ratio Lower Upper

180 100

182 94.1 75.0 112.6

184 29.7 23.7 35.5

145 31.1 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 47.722 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.003 min

Lab File: VV036911.D

Acq: 12 Aug 2024 17:30

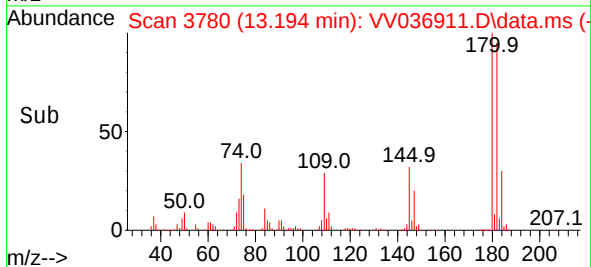
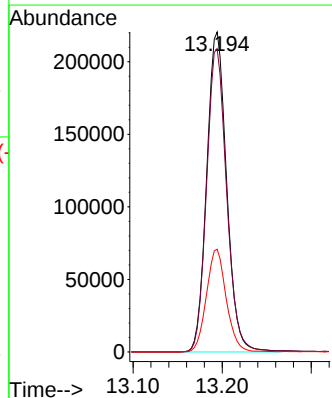
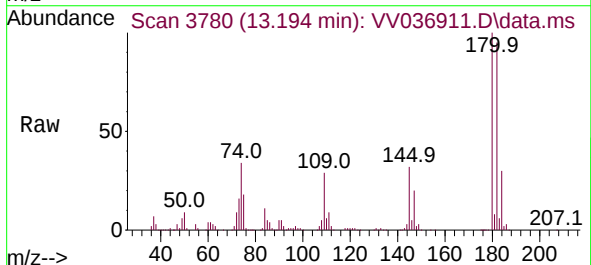
Tgt Ion:180 Resp: 342276

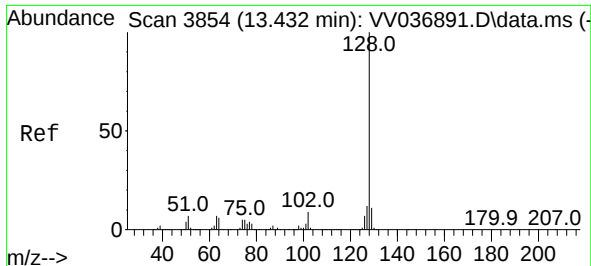
Ion Ratio Lower Upper

180 100

182 95.2 75.1 112.7

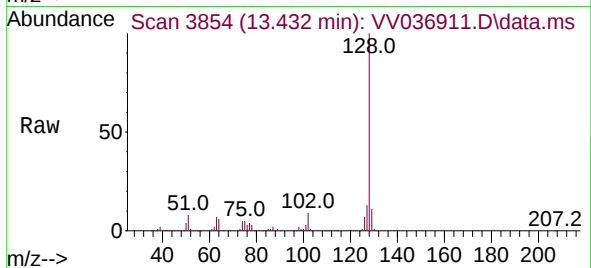
145 31.9 26.5 39.7



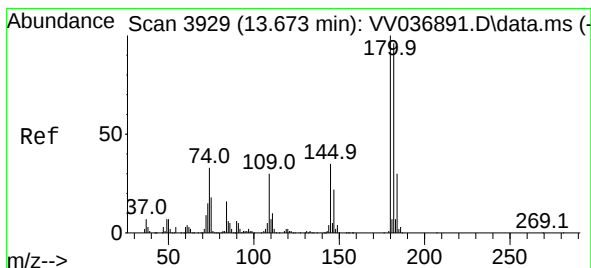
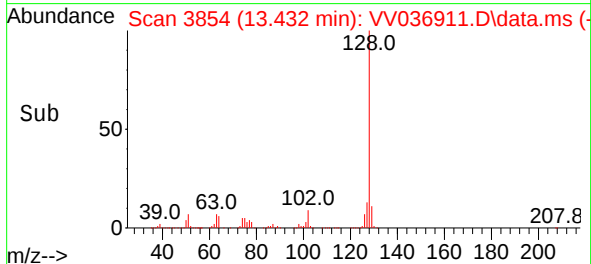
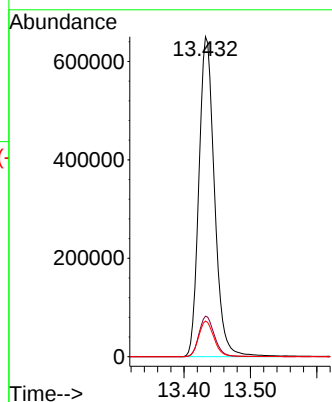


#71
Naphthalene
Concen: 46.164 ug/L
RT: 13.432 min Scan# 3854
Delta R.T. 0.000 min
Lab File: VV036911.D
Acq: 12 Aug 2024 17:30

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 1061769
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 11.0 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 48.592 ug/L
RT: 13.673 min Scan# 3929
Delta R.T. 0.000 min
Lab File: VV036911.D
Acq: 12 Aug 2024 17:30

Tgt Ion:180 Resp: 341148
Ion Ratio Lower Upper
180 100
182 94.8 76.2 114.2
145 34.4 27.8 41.6

