

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071124\
 Data File : VV036493.D
 Acq On : 11 Jul 2024 11:59
 Operator : SY/MD
 Sample : VSTD100
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 12 01:11:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 12 01:09:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	328229	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	337361	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	207147	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	476609	101.353	ug/L	0.00
7) Chloroethane-d5	1.526	69	403094	98.043	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.050	65	244857	101.400	ug/L	0.00
21) 2-Butanone-d5	3.822	46	186735	232.059	ug/L	-0.03
24) Chloroform-d	4.240	84	934524	97.814	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.934	65	472824	99.780	ug/L	0.00
32) Benzene-d6	4.953	84	1812511	107.692	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	527607	94.475	ug/L	0.00
41) Toluene-d8	7.236	98	1798432	115.810	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.545	79	247634	118.744	ug/L	0.00
47) 2-Hexanone-d5	8.024	63	171983	301.570	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.149	84	433025	102.505	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	723717	102.950	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.101	85	388080	81.582	ug/L	100
3) Chloromethane	1.211	50	306091	80.184	ug/L	98
5) Vinyl chloride	1.278	62	395507	84.199	ug/L	99
6) Bromomethane	1.484	94	311594	82.212	ug/L	97
8) Chloroethane	1.545	64	277358	85.349	ug/L	100
9) Trichlorofluoromethane	1.706	101	722523	86.662	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	500660	89.061	ug/L	99
12) 1,1-Dichloroethene	2.060	96	418454	86.301	ug/L	94
13) Acetone	2.060	43	4529	3.349	ug/L	70
14) Carbon disulfide	2.230	76	827173	75.979	ug/L	100
15) Methyl Acetate	2.384	43	151473	100.630	ug/L	100
16) Methylene chloride	2.439	84	477398	70.719	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	397488	90.207	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	1080491	109.427	ug/L	98
19) 1,1-Dichloroethane	3.105	63	744228	93.309	ug/L	99
20) cis-1,2-Dichloroethene	3.806	96	474439	101.888	ug/L	98
22) 2-Butanone	3.902	43	210044	237.955	ug/L	# 44
23) Bromochloromethane	4.137	128	242953	93.401	ug/L	99
25) Chloroform	4.269	83	878224	92.733	ug/L	100
27) 1,2-Dichloroethane	5.034	62	528810	99.402	ug/L	99
29) Cyclohexane	4.574	56	472269	110.044	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	728267	92.863	ug/L	100
31) Carbon tetrachloride	4.728	117	635367	91.351	ug/L	100
33) Benzene	5.002	78	1647337	98.672	ug/L	100
34) Trichloroethene	5.825	95	518208	97.543	ug/L	99
35) Methylcyclohexane	6.043	83	652384	107.598	ug/L	97
37) 1,2-Dichloropropane	6.088	63	431362	102.380	ug/L	99
38) Bromodichloromethane	6.426	83	640752	95.978	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	765760	117.860	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	469477	257.954	ug/L	93
42) Toluene	7.310	91	1896406	107.200	ug/L	99
44) trans-1,3-Dichloropropene	7.574	75	676507	116.782	ug/L	100

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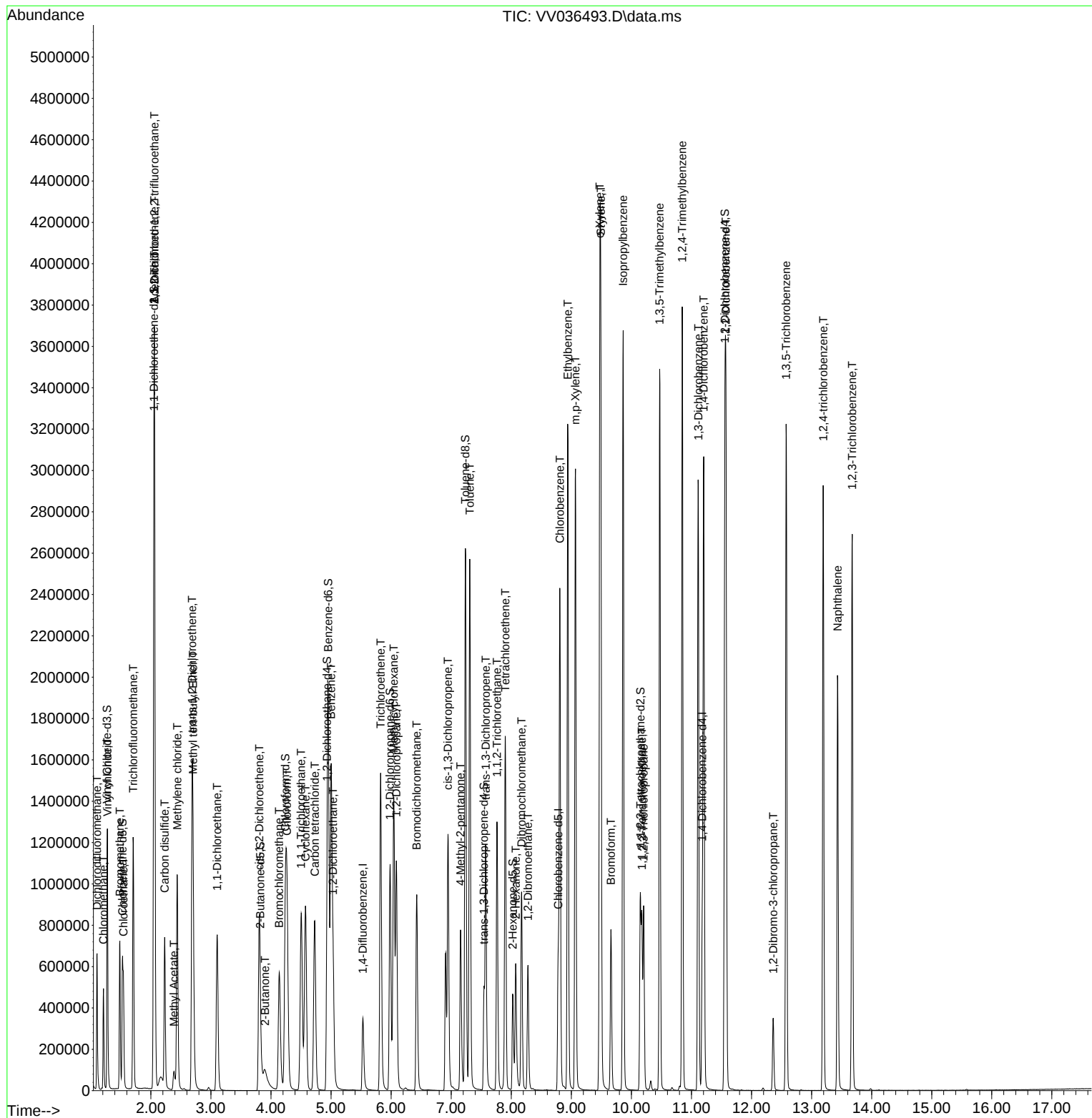
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.764	97	406480	97.904	ug/L	98
46) Tetrachloroethene	7.902	164	406700	94.680	ug/L	99
48) 2-Hexanone	8.075	43	366492	256.842	ug/L	96
49) Dibromochloromethane	8.172	129	500860	99.762	ug/L	99
50) 1,2-Dibromoethane	8.278	107	399637	102.563	ug/L	99
51) Chlorobenzene	8.809	112	1328058	100.242	ug/L	100
52) Ethylbenzene	8.940	91	2186809	115.239	ug/L	99
53) m,p-Xylene	9.069	106	853637	116.841	ug/L	100
54) o-Xylene	9.474	106	842002	121.048	ug/L	100
55) Styrene	9.490	104	1514597	122.535	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	389659	102.780	ug/L	99
59) Bromoform	9.661	173	352127	95.914	ug/L	98
60) Isopropylbenzene	9.863	105	2311425	111.693	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	345121	93.642	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	1785761	120.498	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	1966326	121.937	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	1228137	100.389	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	1251404	95.262	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	1174558	99.910	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	82749	103.773	ug/L	94
69) 1,3,5-Trichlorobenzene	12.577	180	1012605	106.899	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	891984	118.397	ug/L	100
71) Naphthalene	13.432	128	1549506	136.943	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	826854	116.007	ug/L	100

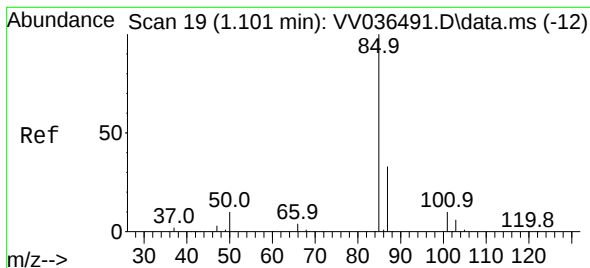
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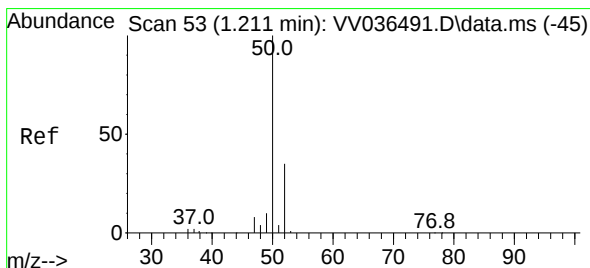
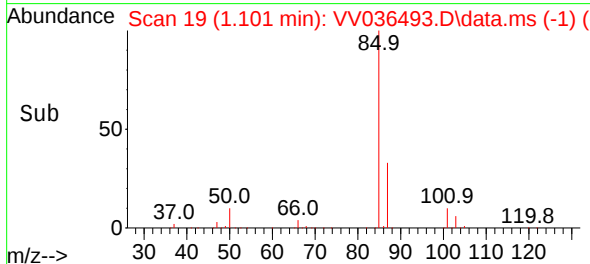
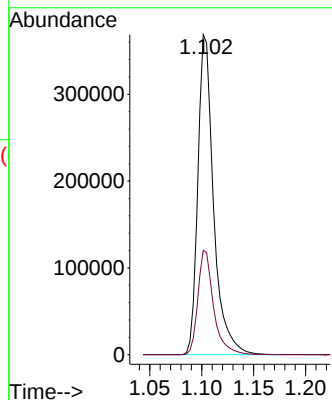
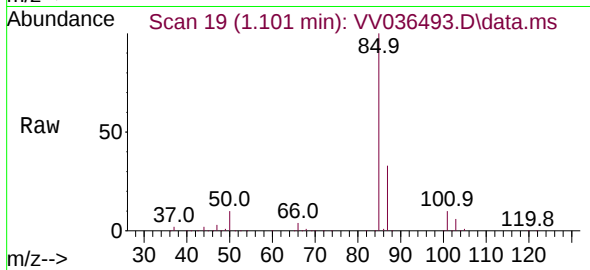




#2
 Dichlorodifluoromethane
 Concen: 81.582 ug/L
 RT: 1.101 min Scan# 19
 Delta R.T. 0.000 min
 Lab File: VV036493.D
 Acq: 11 Jul 2024 11:59

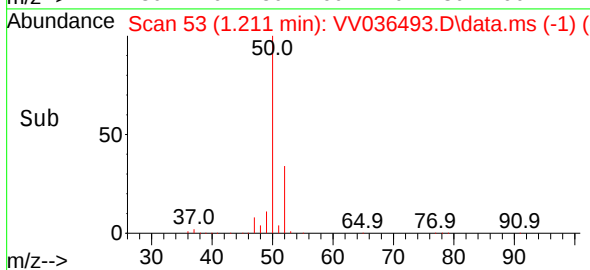
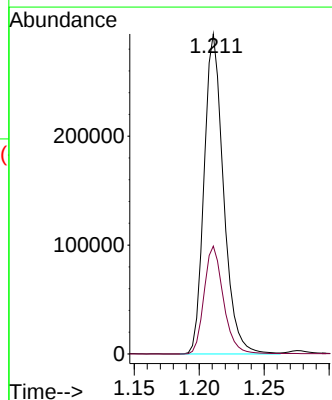
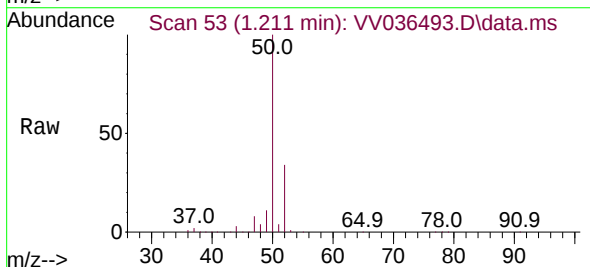
Instrument :
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 ClientSampleId :

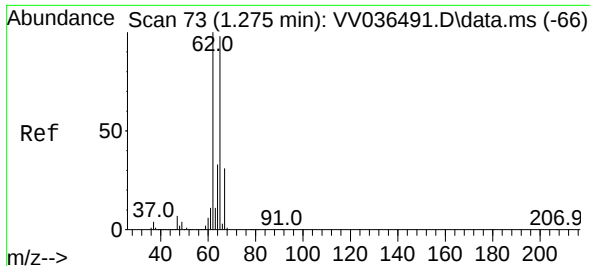
Tgt Ion: 85 Resp: 388080
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.2 39.2



#3
 Chloromethane
 Concen: 80.184 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. 0.000 min
 Lab File: VV036493.D
 Acq: 11 Jul 2024 11:59

Tgt Ion: 50 Resp: 306091
 Ion Ratio Lower Upper
 50 100
 52 33.7 24.4 45.4

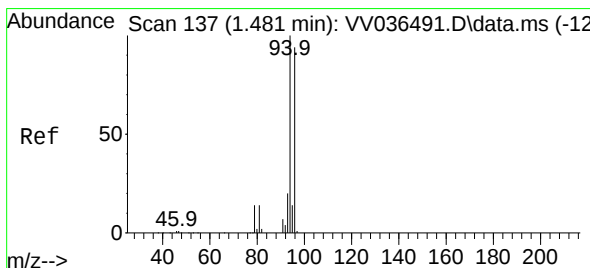
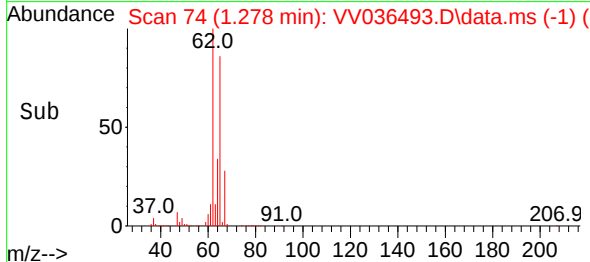
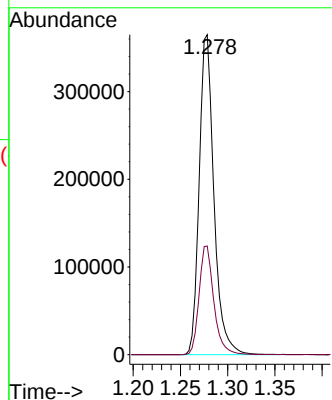
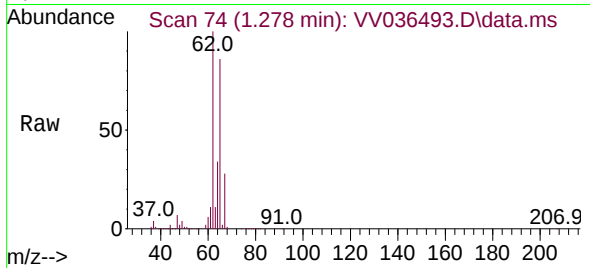




#5
 Vinyl chloride
 Concen: 84.199 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. 0.003 min
 Lab File: VV036493.D
 Acq: 11 Jul 2024 11:59

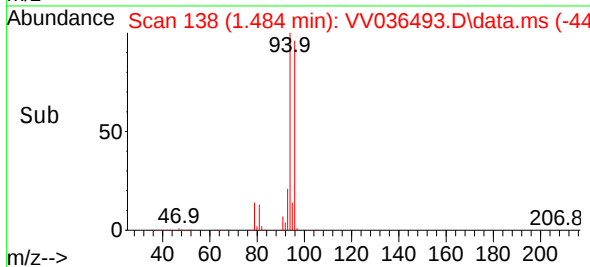
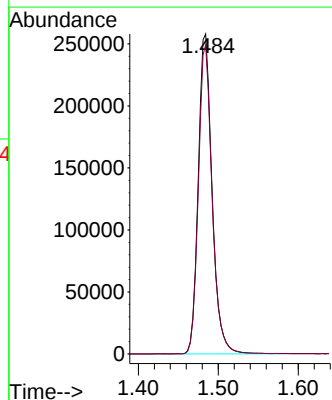
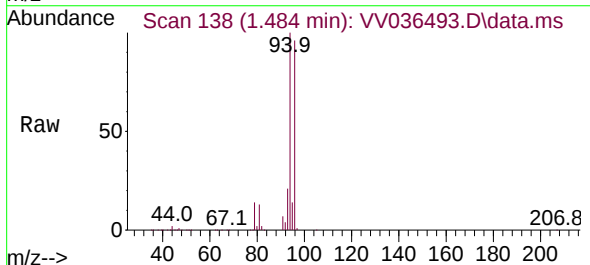
Instrument :
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 ClientSampleId :

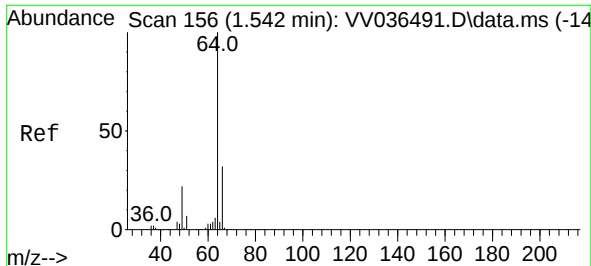
Tgt Ion: 62 Resp: 395507
 Ion Ratio Lower Upper
 62 100
 64 33.9 23.4 43.4



#6
 Bromomethane
 Concen: 82.212 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.003 min
 Lab File: VV036493.D
 Acq: 11 Jul 2024 11:59

Tgt Ion: 94 Resp: 311594
 Ion Ratio Lower Upper
 94 100
 96 96.5 65.6 121.8

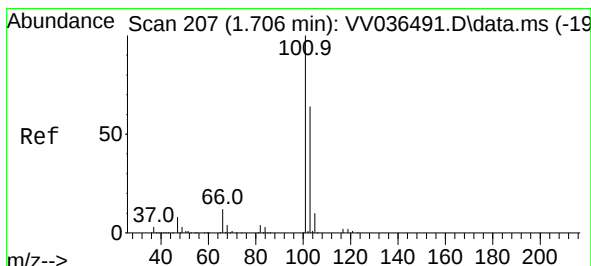
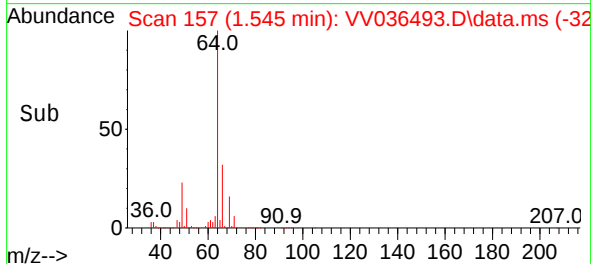
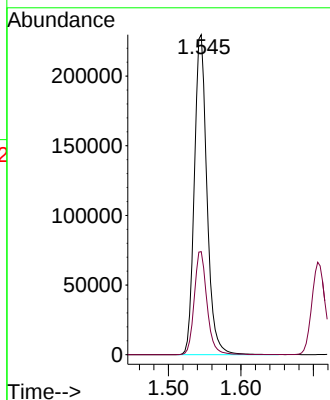
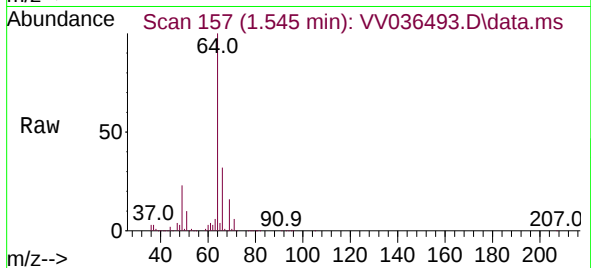




#8
Chloroethane
Concen: 85.349 ug/L
RT: 1.545 min Scan# 156
Delta R.T. 0.003 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59

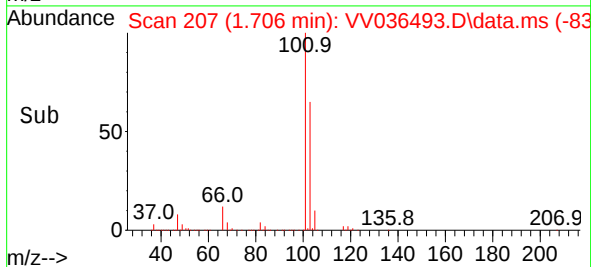
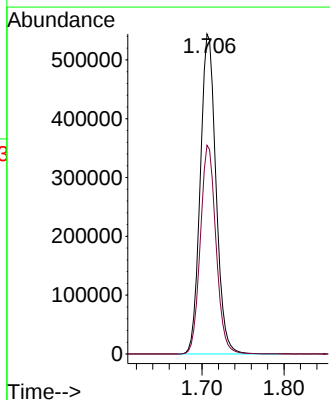
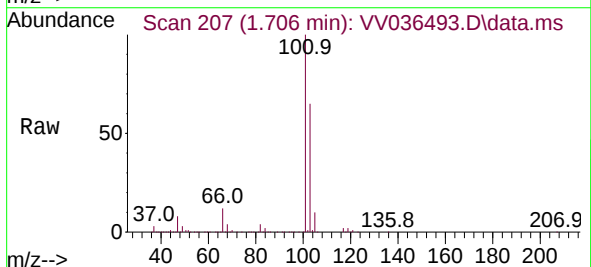
Instrument :
MSVOA_V
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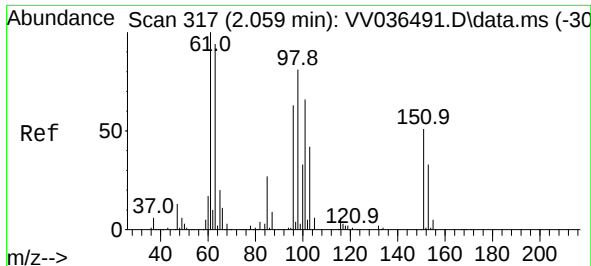
Tgt Ion: 64 Resp: 277358
Ion Ratio Lower Upper
64 100
66 32.2 22.5 41.9



#9
Trichlorofluoromethane
Concen: 86.662 ug/L
RT: 1.706 min Scan# 207
Delta R.T. 0.000 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59

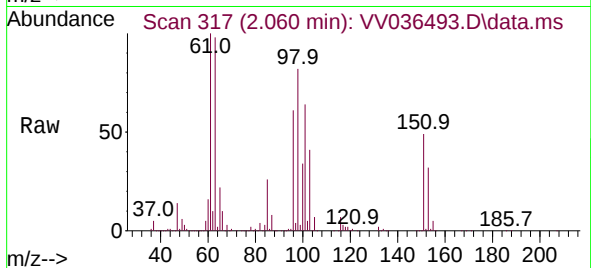
Tgt Ion:101 Resp: 722523
Ion Ratio Lower Upper
101 100
103 65.2 51.9 77.9



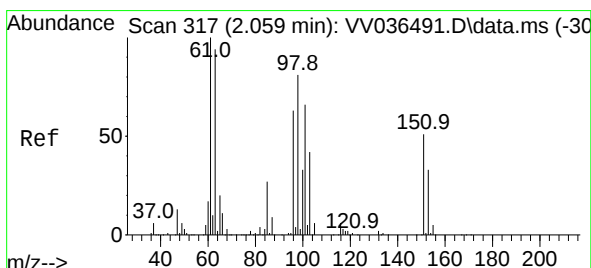
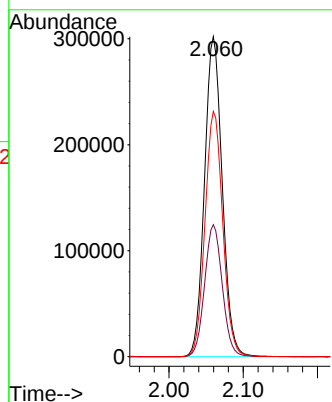
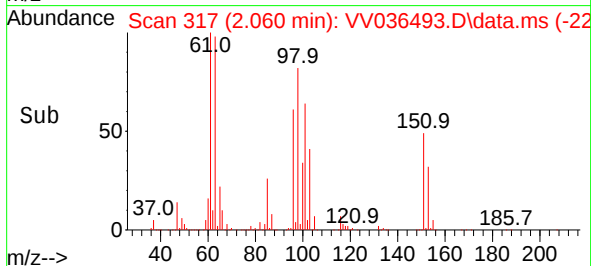


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 89.061 ug/L
RT: 2.060 min Scan# 317
Delta R.T. 0.000 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59

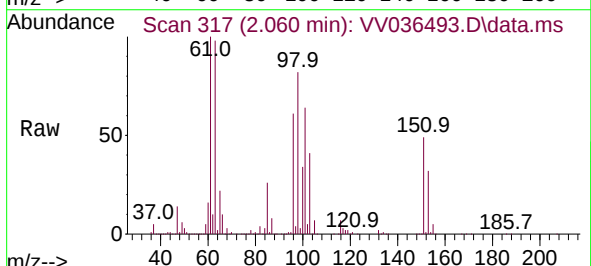
Instrument :
MSVOA_V
ClientSampleId :



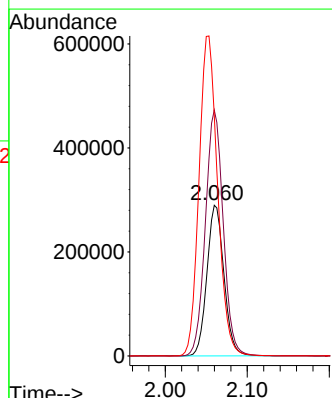
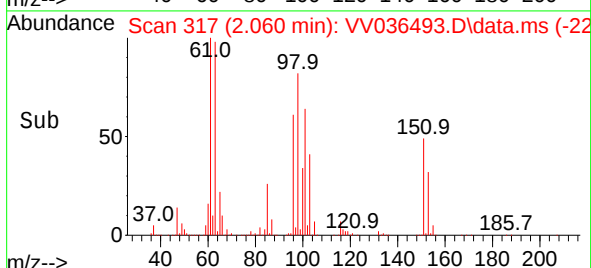
Tgt Ion:101 Resp: 500660
Ion Ratio Lower Upper
101 100
85 41.1 32.5 48.7
151 76.9 62.6 94.0

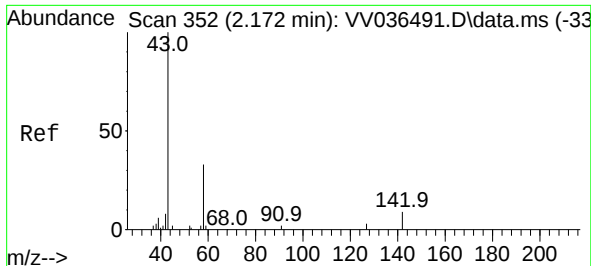


#12
1,1-Dichloroethene
Concen: 86.301 ug/L
RT: 2.060 min Scan# 317
Delta R.T. 0.000 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59



Tgt Ion: 96 Resp: 418454
Ion Ratio Lower Upper
96 100
61 163.2 110.8 205.8
63 159.7 103.9 192.9





#13

Acetone

Concen: 3.349 ug/L

RT: 2.060 min Scan# 317

Delta R.T. -0.112 min

Lab File: VV036493.D

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Instrument :

MSVOA_V

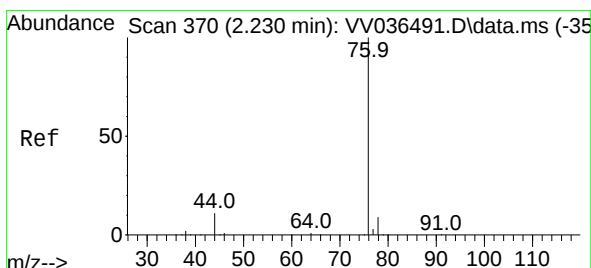
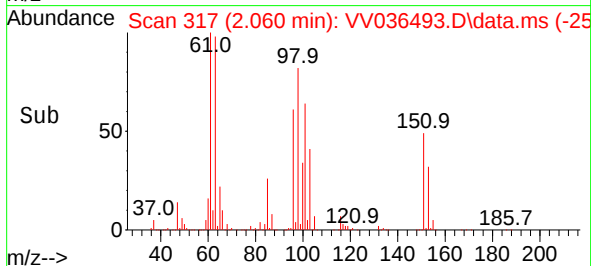
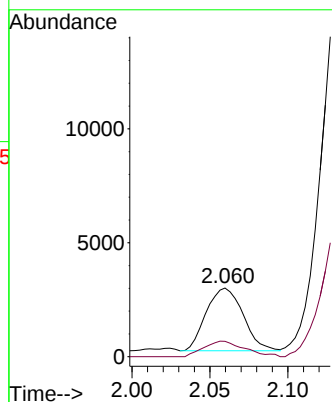
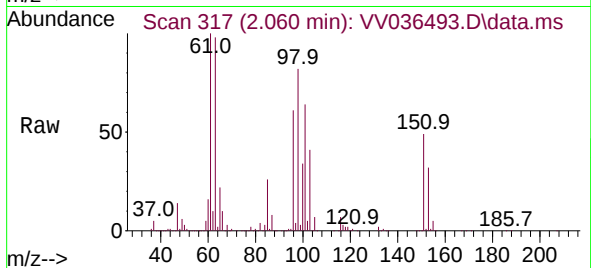
ClientSampleId :

Tgt Ion: 43 Resp: 4529

Ion Ratio Lower Upper

43 100

58 26.3 0.0 28.4



#14

Carbon disulfide

Concen: 75.979 ug/L

RT: 2.230 min Scan# 370

Delta R.T. 0.000 min

Lab File: VV036493.D

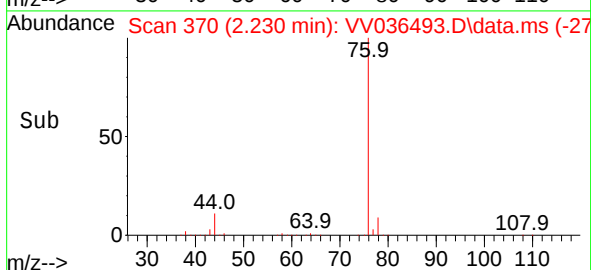
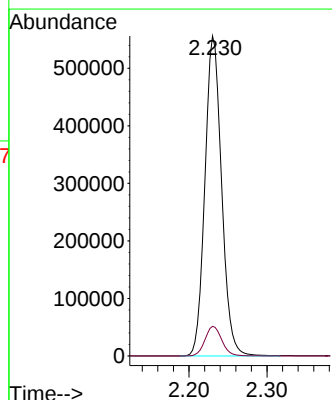
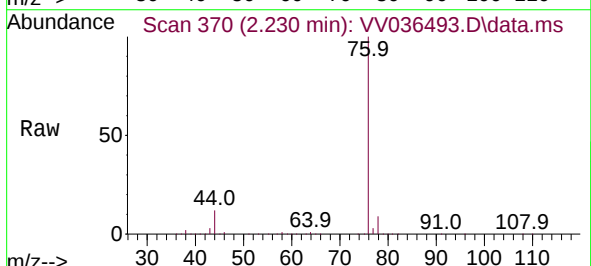
Acq: 11 Jul 2024 11:59

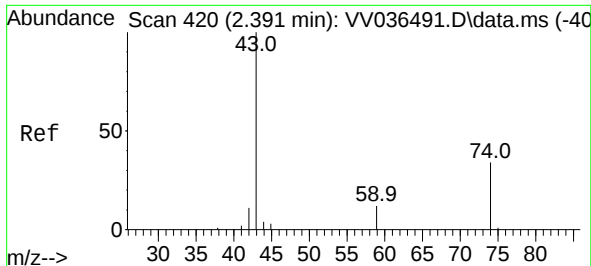
Tgt Ion: 76 Resp: 827173

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2





#15

Methyl Acetate

Concen: 100.630 ug/L

RT: 2.384 min Scan# 418

Delta R.T. -0.006 min

Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

Instrument :

MSVOA_V

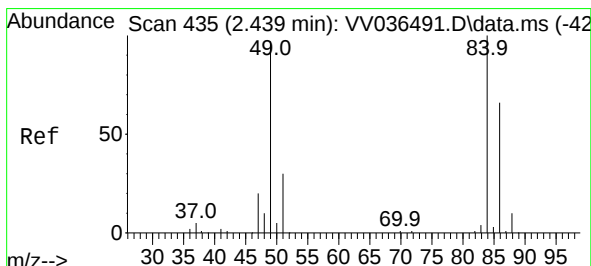
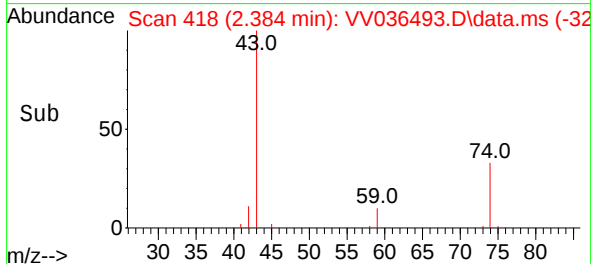
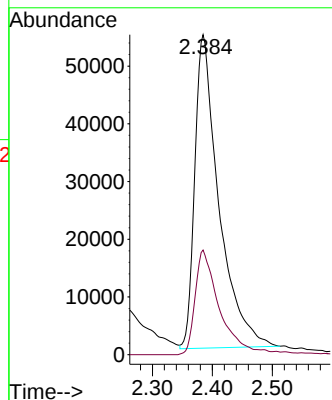
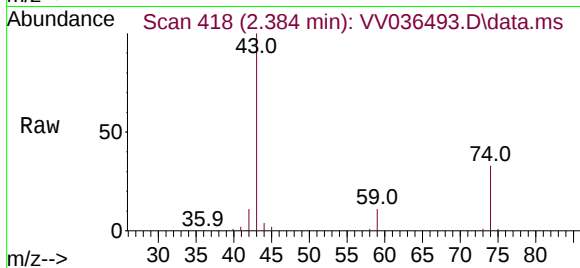
ClientSampleId :

Tgt Ion: 43 Resp: 151473

Ion Ratio Lower Upper

43 100

74 33.1 26.3 39.5



#16

Methylene chloride

Concen: 70.719 ug/L

RT: 2.439 min Scan# 435

Delta R.T. 0.000 min

Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

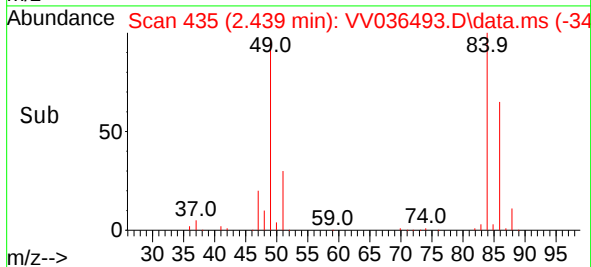
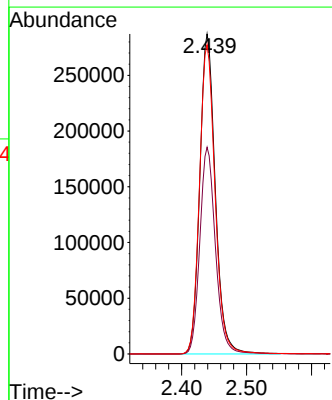
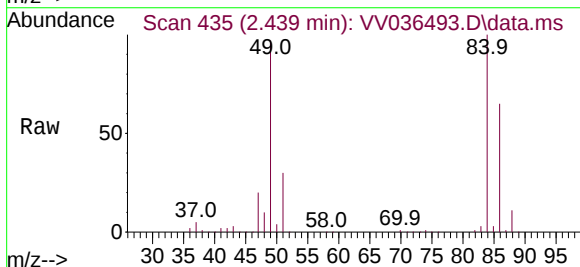
Tgt Ion: 84 Resp: 477398

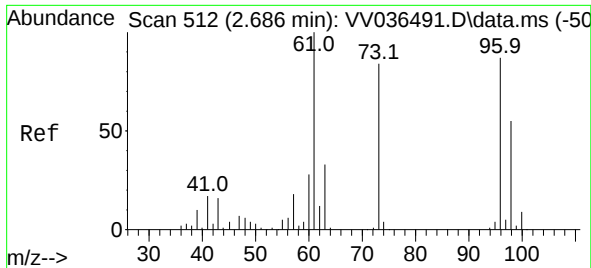
Ion Ratio Lower Upper

84 100

86 64.6 46.3 86.1

49 96.6 68.1 126.5

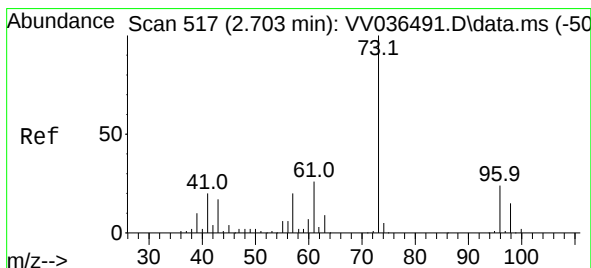
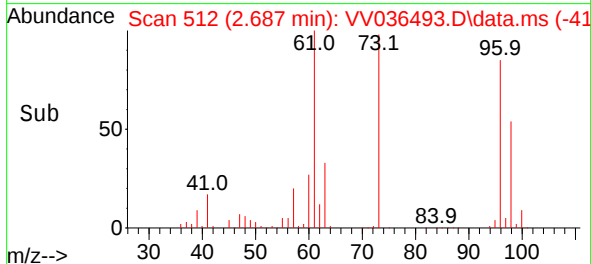
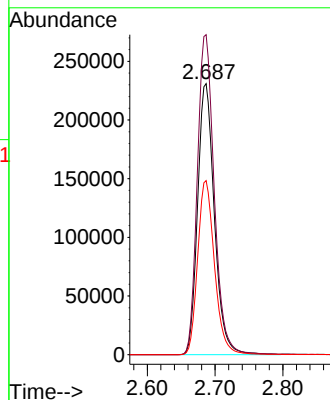
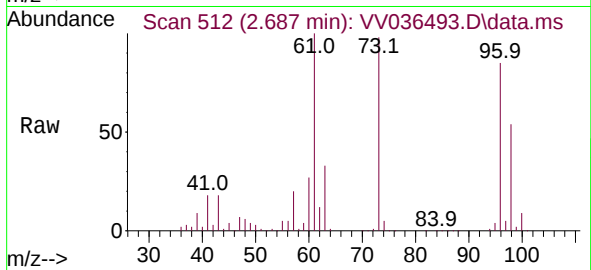




#17
trans-1,2-Dichloroethene
Concen: 90.207 ug/L
RT: 2.687 min Scan# 512
Delta R.T. 0.000 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59

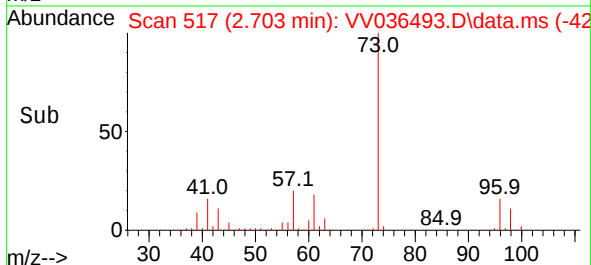
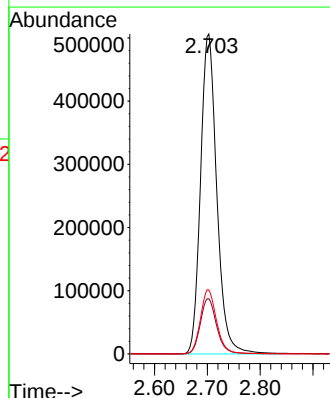
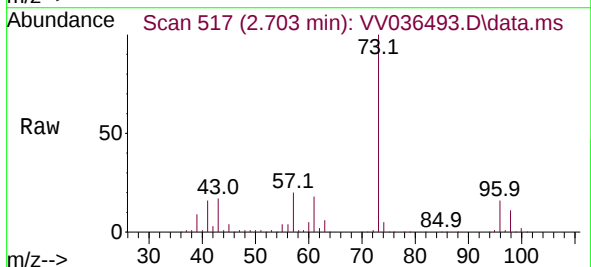
Instrument :
MSVOA_V
ClientSampleId :

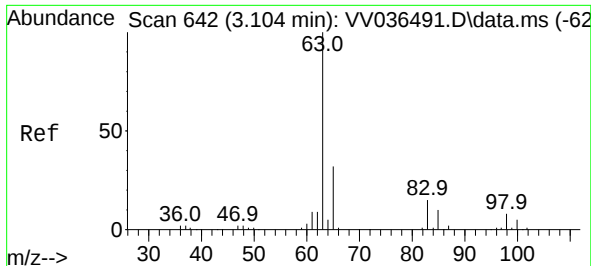
Tgt Ion: 96 Resp: 397488
Ion Ratio Lower Upper
96 100
61 118.1 80.7 149.9
98 64.3 44.6 82.8



#18
Methyl tert-butyl Ether
Concen: 109.427 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59

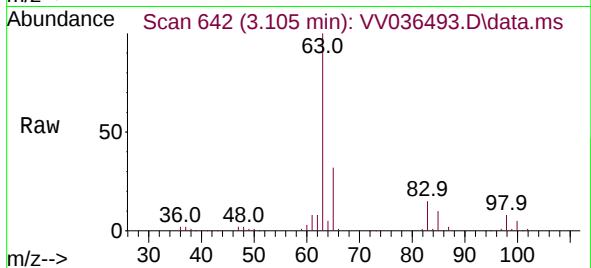
Tgt Ion: 73 Resp: 1080491
Ion Ratio Lower Upper
73 100
43 17.2 14.3 21.5
57 19.9 16.5 24.7



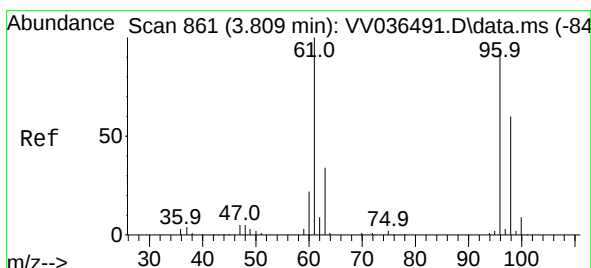
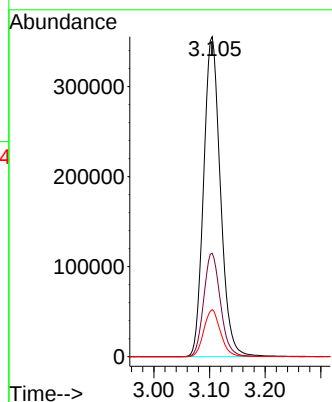
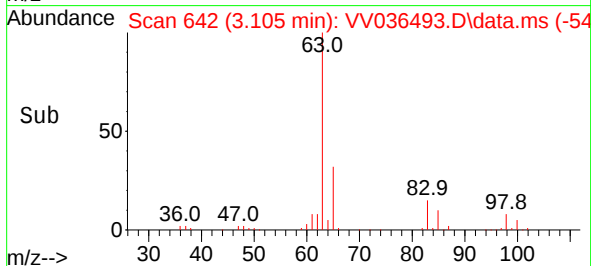


#19
1,1-Dichloroethane
Concen: 93.309 ug/L
RT: 3.105 min Scan# 64
Delta R.T. 0.000 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59

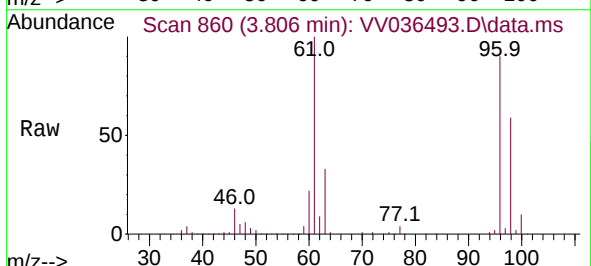
Instrument :
MSVOA_V
ClientSampleId :



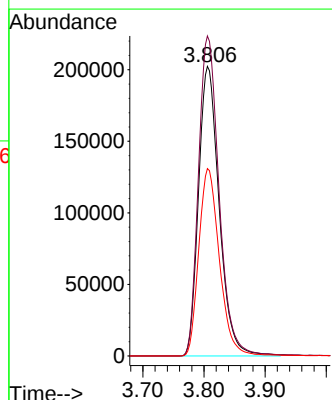
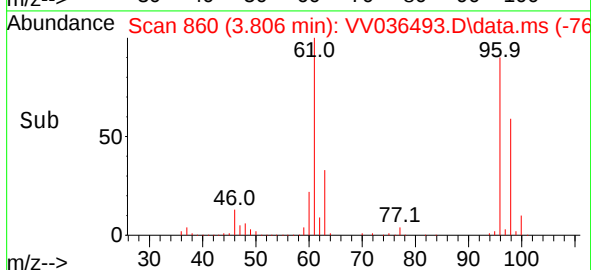
Tgt Ion: 63 Resp: 744228
Ion Ratio Lower Upper
63 100
65 32.3 22.7 42.1
83 14.7 10.9 20.2

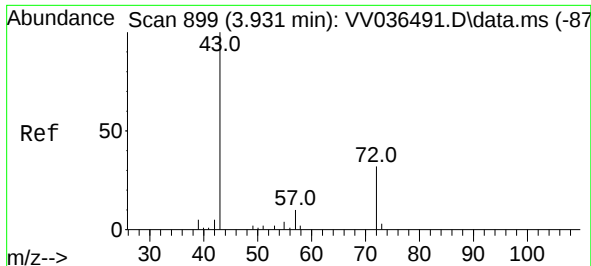


#20
cis-1,2-Dichloroethene
Concen: 101.888 ug/L
RT: 3.806 min Scan# 860
Delta R.T. -0.003 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59



Tgt Ion: 96 Resp: 474439
Ion Ratio Lower Upper
96 100
61 110.5 74.8 138.8
98 64.7 45.2 84.0





#22

2-Butanone

Concen: 237.955 ug/L

RT: 3.902 min Scan# 899

Delta R.T. -0.029 min

Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

Instrument :

MSVOA_V

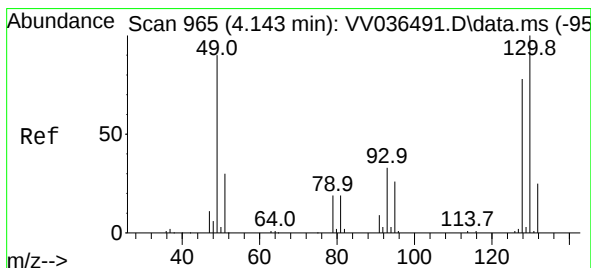
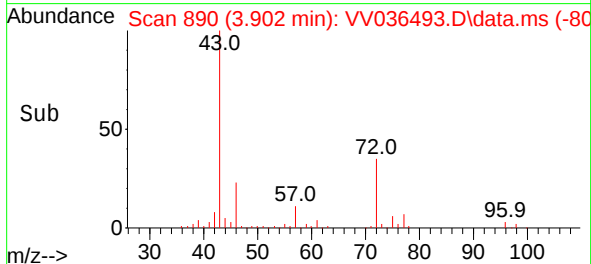
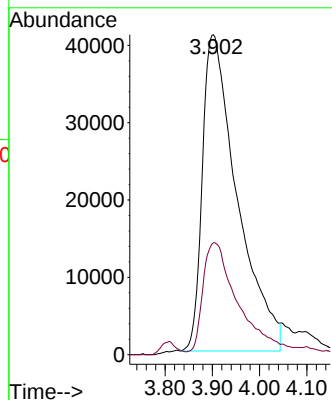
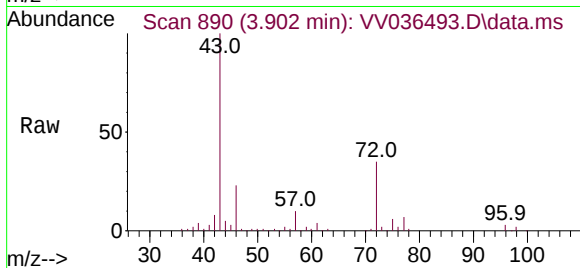
ClientSampleId :

Tgt Ion: 43 Resp: 210044

Ion Ratio Lower Upper

43 100

72 33.4 5.9 17.6#



#23

Bromochloromethane

Concen: 93.401 ug/L

RT: 4.137 min Scan# 963

Delta R.T. -0.006 min

Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

Tgt Ion:128 Resp: 242953

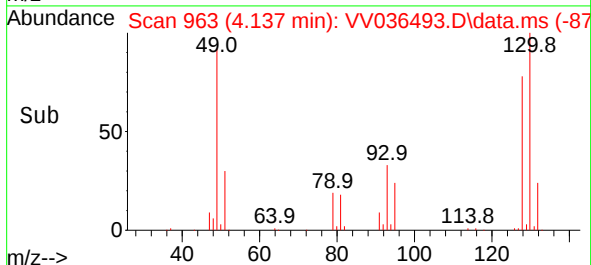
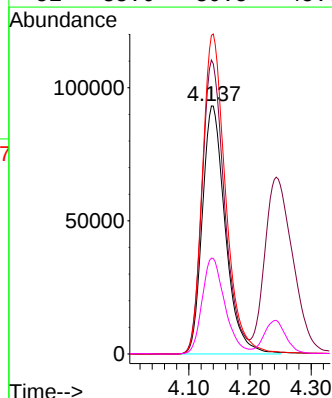
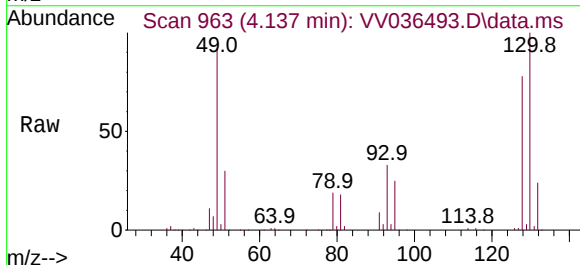
Ion Ratio Lower Upper

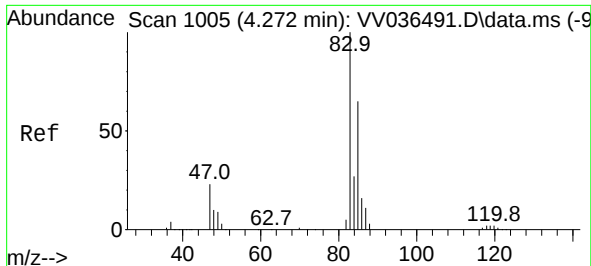
128 100

49 118.5 80.7 149.9

130 128.4 89.9 167.0

51 38.6 30.5 45.7





#25

Chloroform

Concen: 92.733 ug/L

RT: 4.269 min Scan# 1004

Delta R.T. -0.003 min

Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

Instrument :

MSVOA_V

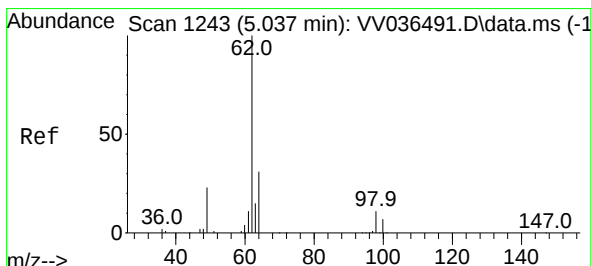
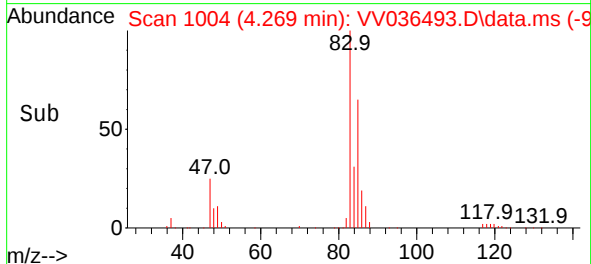
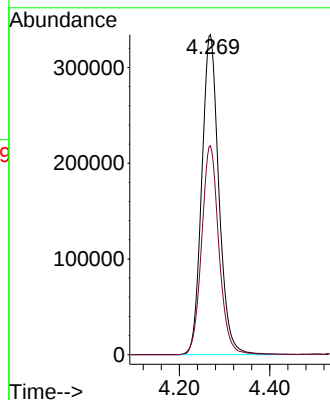
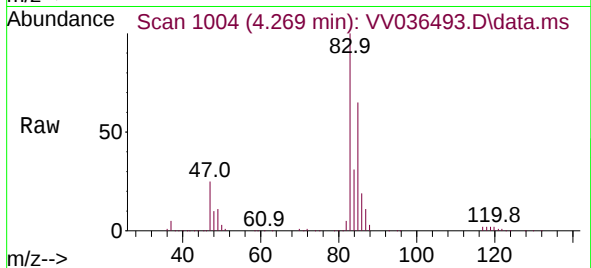
ClientSampleId :

Tgt Ion: 83 Resp: 878224

Ion Ratio Lower Upper

83 100

85 65.3 45.6 84.6



#27

1,2-Dichloroethane

Concen: 99.402 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.003 min

Lab File: VV036493.D

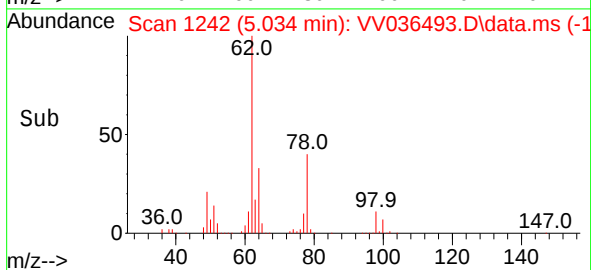
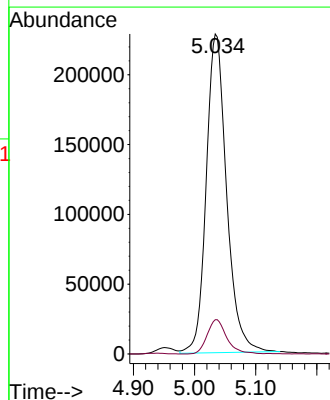
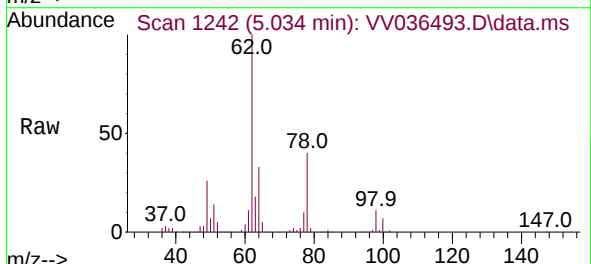
Acq: 11 Jul 2024 11:59

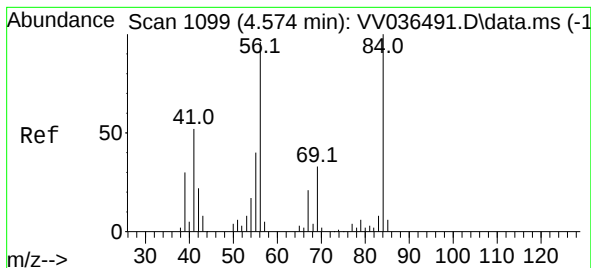
Tgt Ion: 62 Resp: 528810

Ion Ratio Lower Upper

62 100

98 10.7 8.9 13.3





#29

Cyclohexane

Concen: 110.044 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.000 min

Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

Instrument :

MSVOA_V

ClientSampleId :

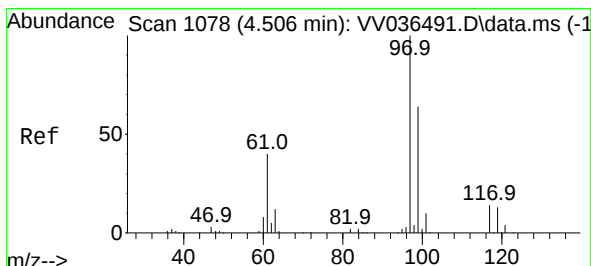
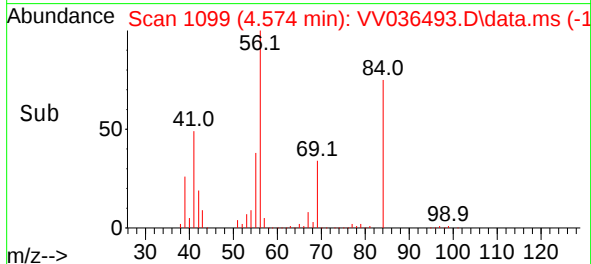
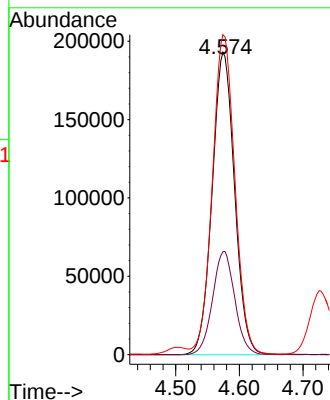
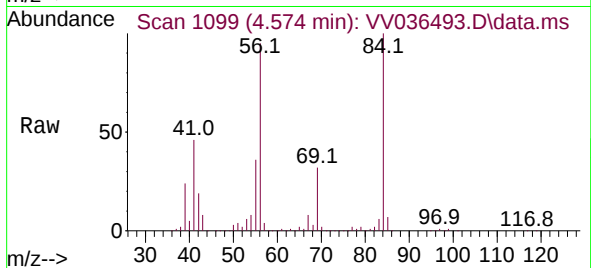
Tgt Ion: 56 Resp: 472269

Ion Ratio Lower Upper

56 100

69 33.9 27.6 41.4

84 105.7 85.4 128.2



#30

1,1,1-Trichloroethane

Concen: 92.863 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. -0.003 min

Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

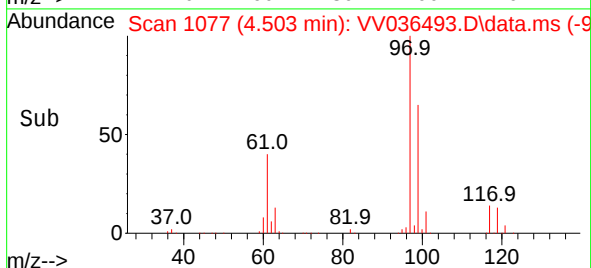
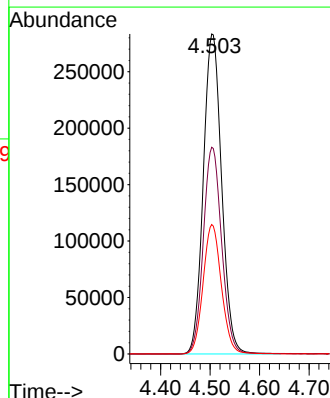
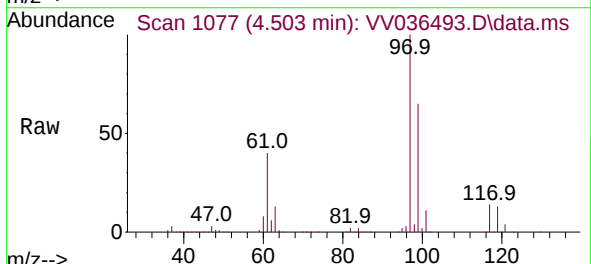
Tgt Ion: 97 Resp: 728267

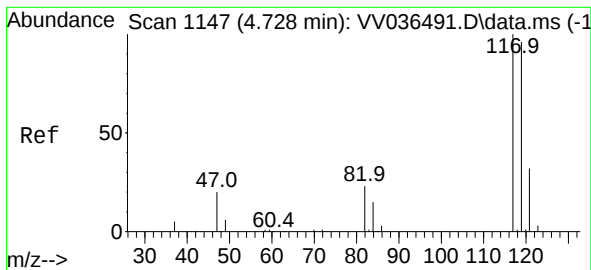
Ion Ratio Lower Upper

97 100

99 64.6 51.9 77.9

61 40.4 32.2 48.4





#31

Carbon tetrachloride

Concen: 91.351 ug/L

RT: 4.728 min Scan# 1147

Delta R.T. 0.000 min

Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

Instrument :

MSVOA_V

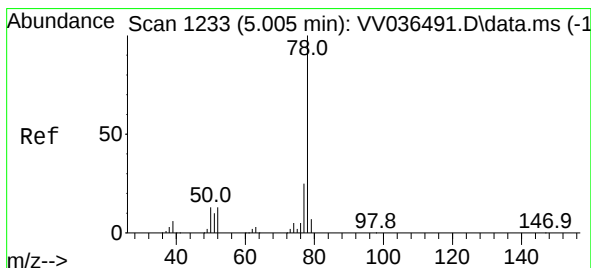
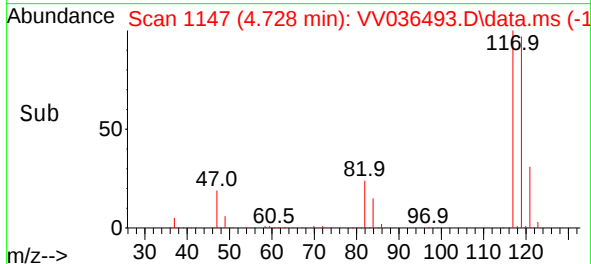
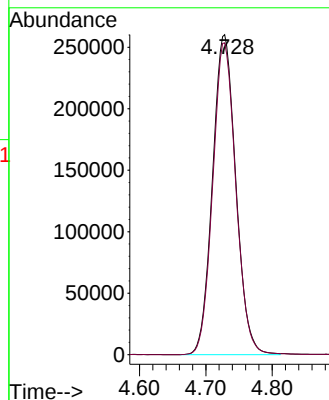
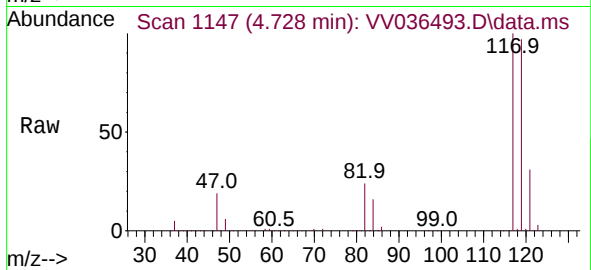
ClientSampleId :

Tgt Ion:117 Resp: 635367

Ion Ratio Lower Upper

117 100

119 96.8 77.6 116.4



#33

Benzene

Concen: 98.672 ug/L

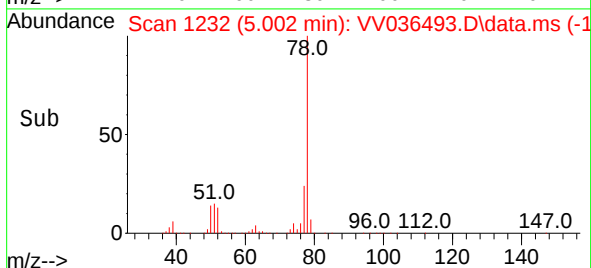
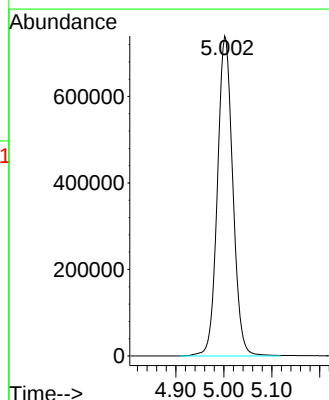
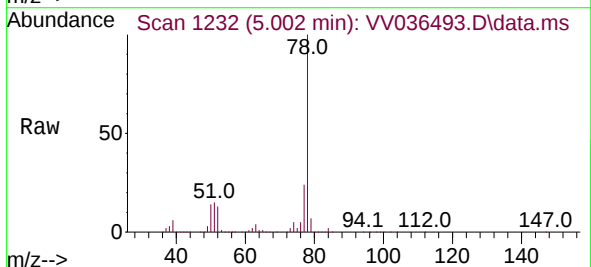
RT: 5.002 min Scan# 1232

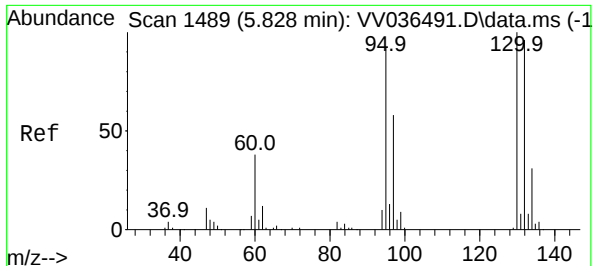
Delta R.T. -0.003 min

Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

Tgt Ion: 78 Resp: 1647337





#34

Trichloroethene

Concen: 97.543 ug/L

RT: 5.825 min Scan# 1489

Delta R.T. -0.003 min

Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 518208

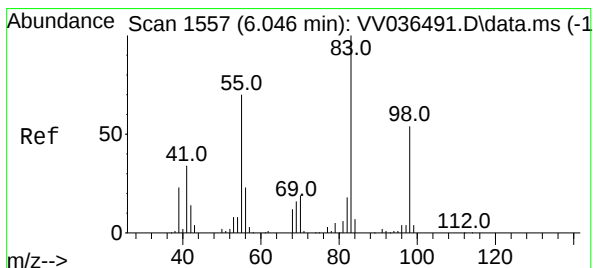
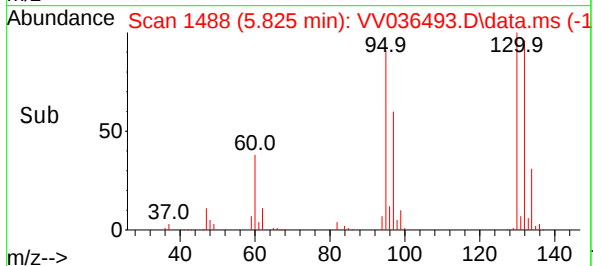
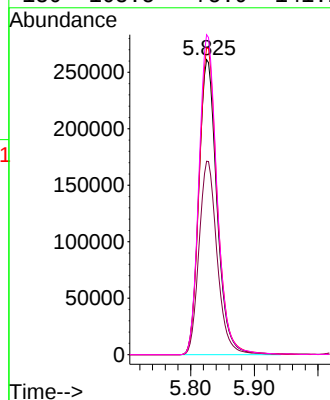
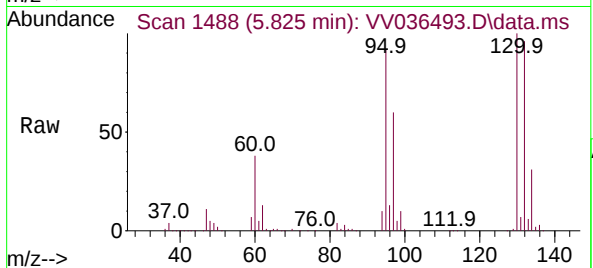
Ion Ratio Lower Upper

95 100

97 65.6 44.4 82.4

132 104.0 73.0 135.6

130 108.5 75.9 141.1



#35

Methylcyclohexane

Concen: 107.598 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. -0.003 min

Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

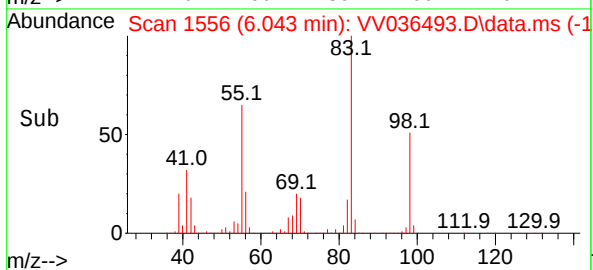
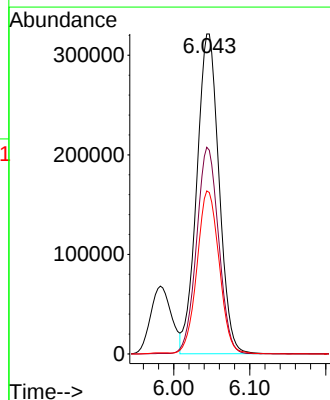
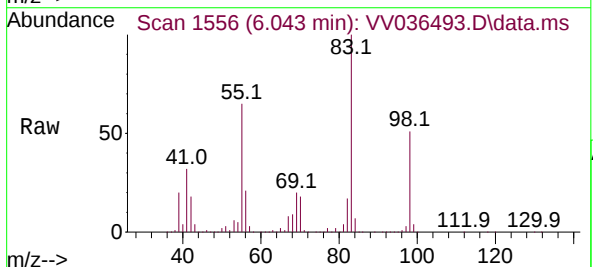
Tgt Ion: 83 Resp: 652384

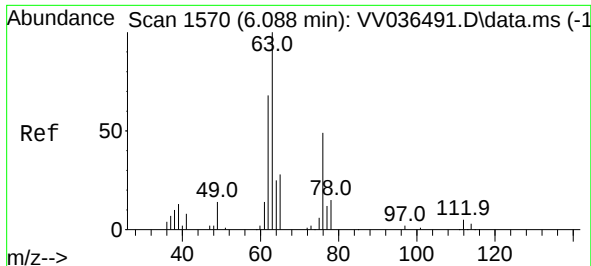
Ion Ratio Lower Upper

83 100

55 64.1 54.3 81.5

98 50.9 41.7 62.5

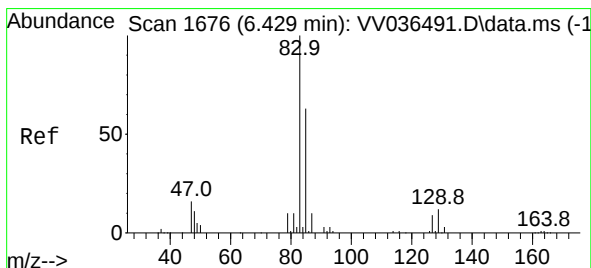
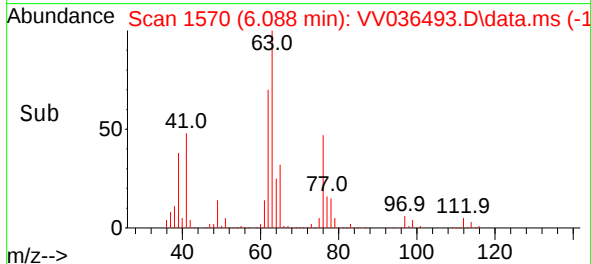
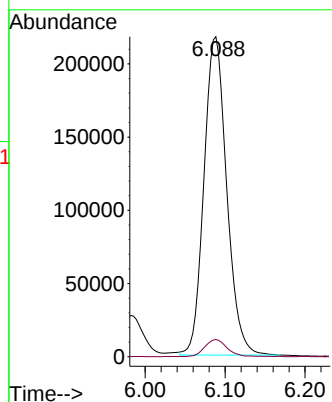
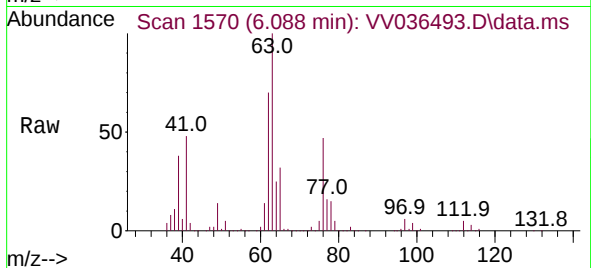




#37
1,2-Dichloropropane
Concen: 102.380 ug/L
RT: 6.088 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59

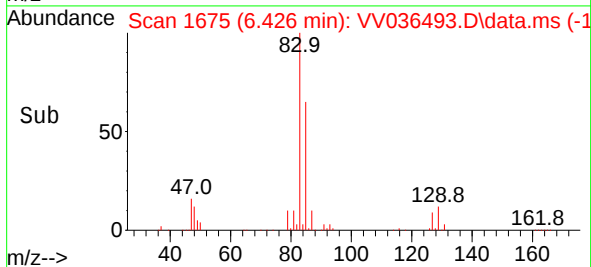
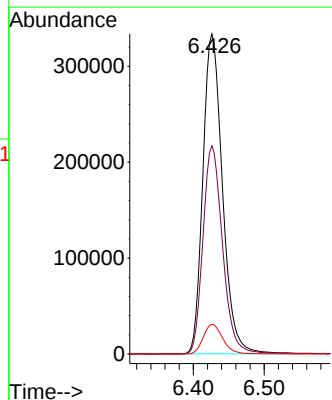
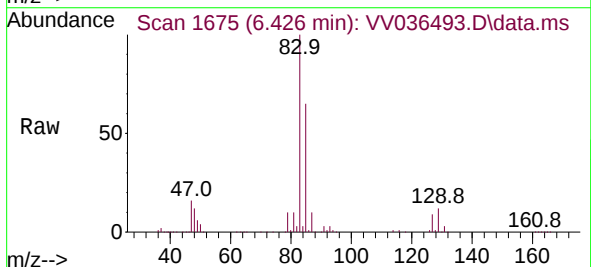
Instrument :
MSVOA_V
ClientSampleId :

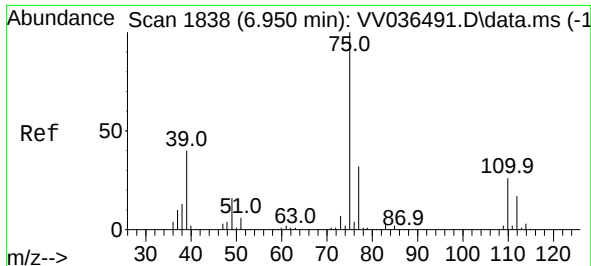
Tgt Ion: 63 Resp: 431362
Ion Ratio Lower Upper
63 100
112 5.2 4.5 6.7



#38
Bromodichloromethane
Concen: 95.978 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. -0.003 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59

Tgt Ion: 83 Resp: 640752
Ion Ratio Lower Upper
83 100
85 65.0 44.3 82.3
127 9.3 7.0 10.4

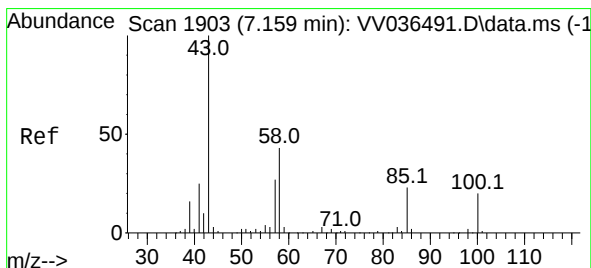
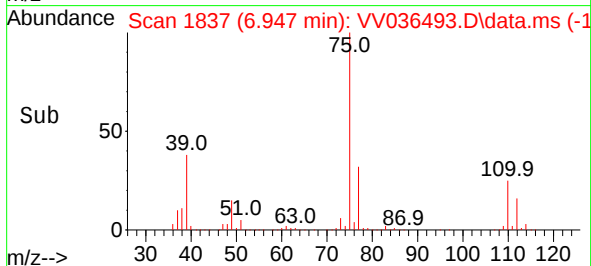
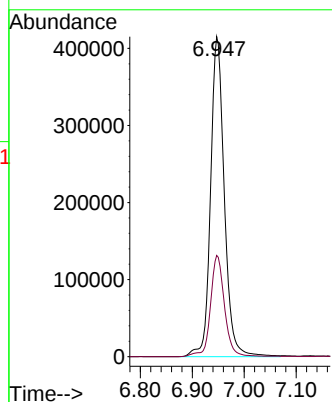
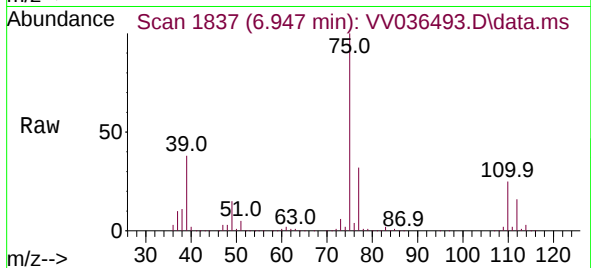




#39
cis-1,3-Dichloropropene
Concen: 117.860 ug/L
RT: 6.947 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59

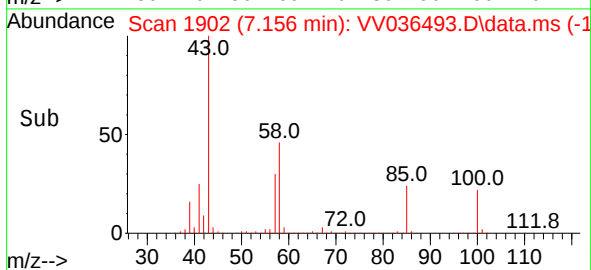
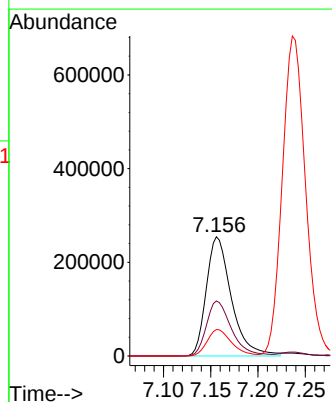
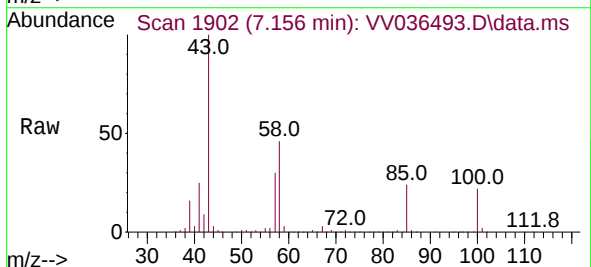
Instrument :
MSVOA_V
ClientSampleId :

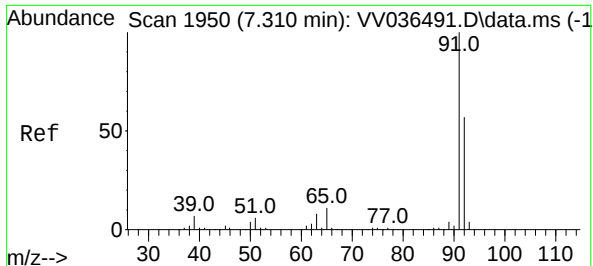
Tgt Ion: 75 Resp: 765760
Ion Ratio Lower Upper
75 100
77 31.7 22.2 41.2



#40
4-Methyl-2-pentanone
Concen: 257.954 ug/L
RT: 7.156 min Scan# 1902
Delta R.T. -0.003 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59

Tgt Ion: 43 Resp: 469477
Ion Ratio Lower Upper
43 100
58 45.9 32.9 49.3
100 21.7 15.5 23.3





#42

Toluene

Concen: 107.200 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

Instrument :

MSVOA_V

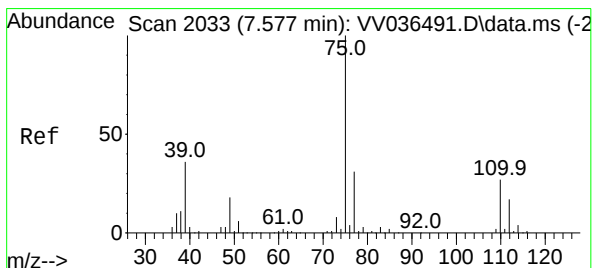
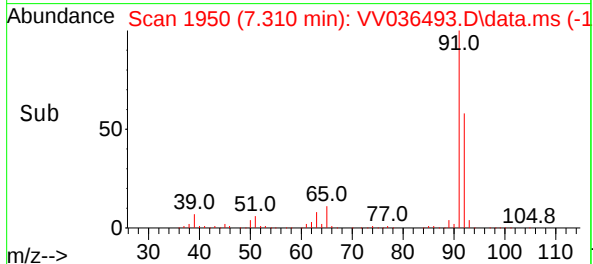
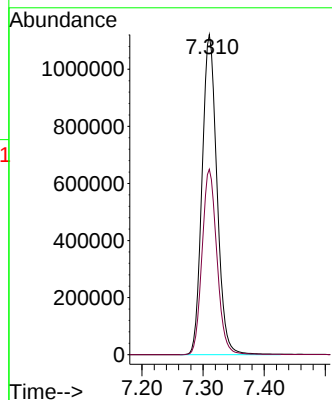
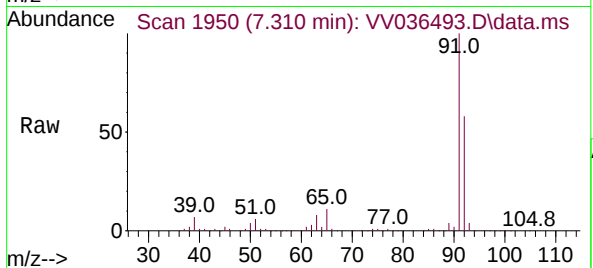
ClientSampleId :

Tgt Ion: 91 Resp: 1896406

Ion Ratio Lower Upper

91 100

92 58.0 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 116.782 ug/L

RT: 7.574 min Scan# 2032

Delta R.T. -0.003 min

Lab File: VV036493.D

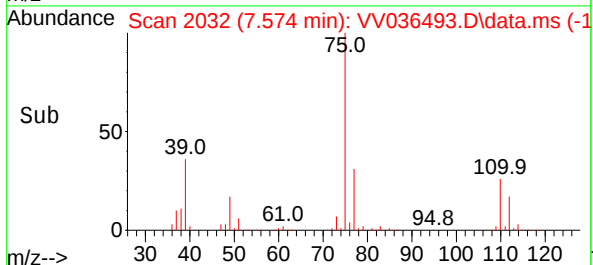
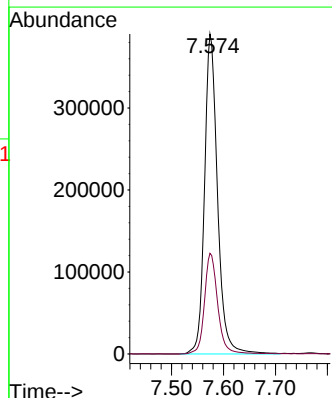
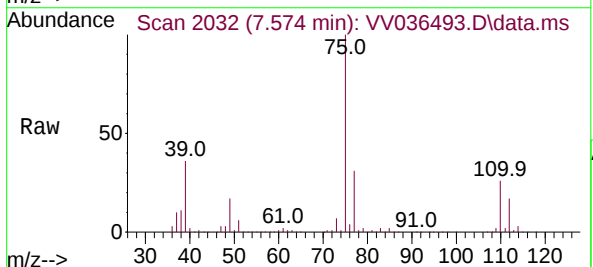
Acq: 11 Jul 2024 11:59

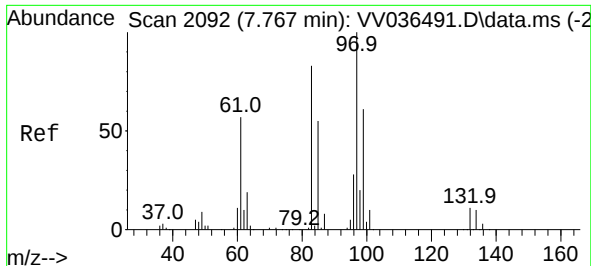
Tgt Ion: 75 Resp: 676507

Ion Ratio Lower Upper

75 100

77 31.4 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 97.904 ug/L

RT: 7.764 min Scan# 2092

Delta R.T. -0.003 min

Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 406480

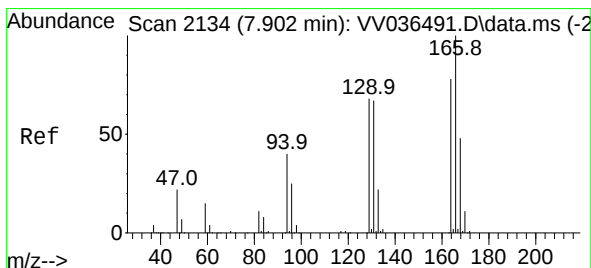
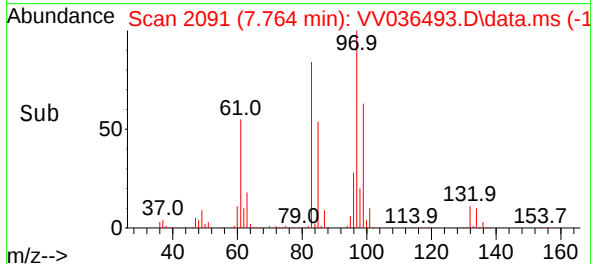
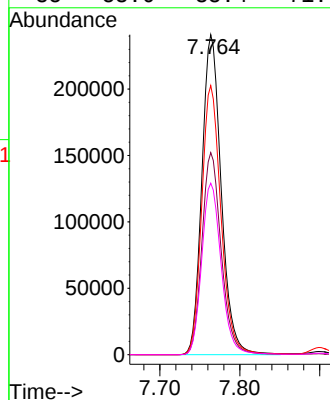
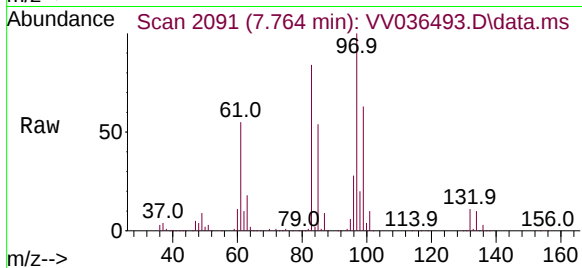
Ion Ratio Lower Upper

97 100

99 63.1 42.6 79.2

83 84.1 58.0 107.6

85 53.6 38.4 71.4



#46

Tetrachloroethene

Concen: 94.680 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.000 min

Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

Tgt Ion:164 Resp: 406700

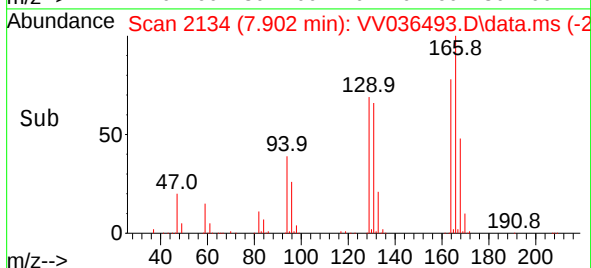
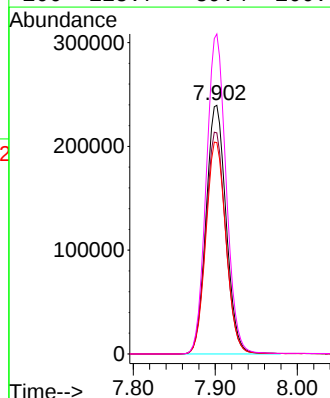
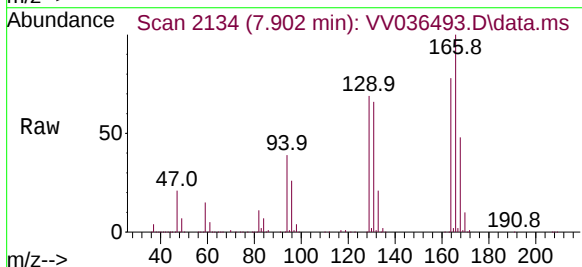
Ion Ratio Lower Upper

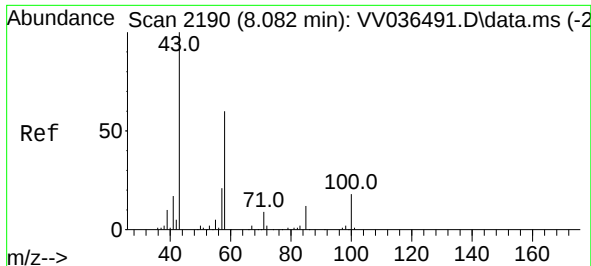
164 100

129 88.9 61.0 113.4

131 85.0 59.8 111.1

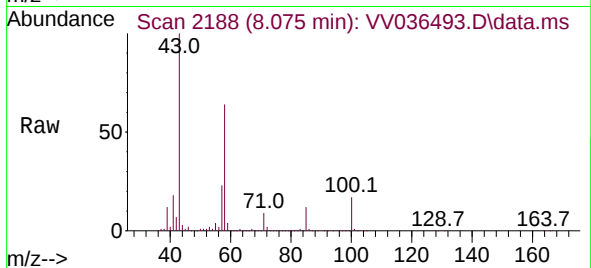
166 128.7 89.4 166.0



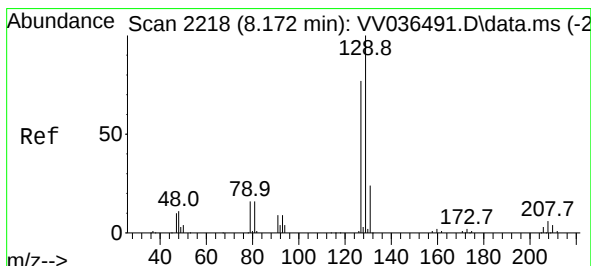
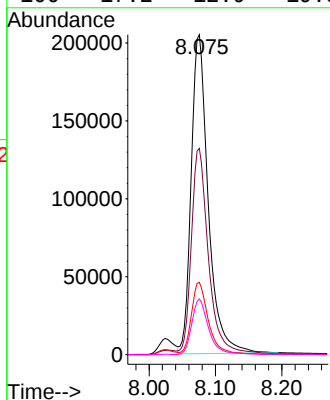
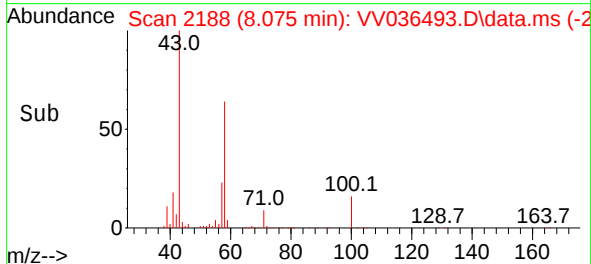


#48
2-Hexanone
Concen: 256.842 ug/L
RT: 8.075 min Scan# 2190
Delta R.T. -0.006 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59

Instrument :
MSVOA_V
ClientSampleId :

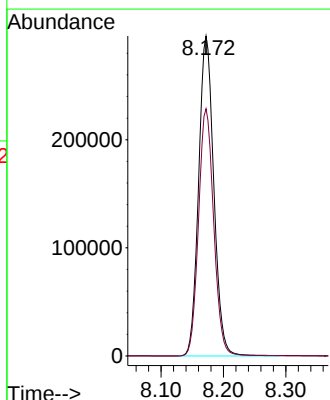
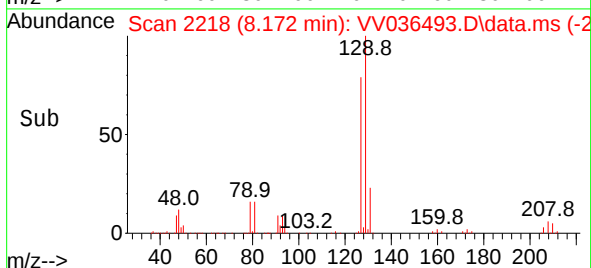
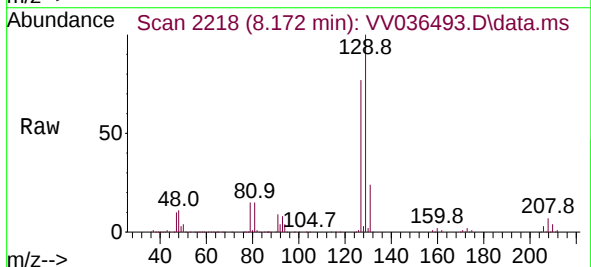


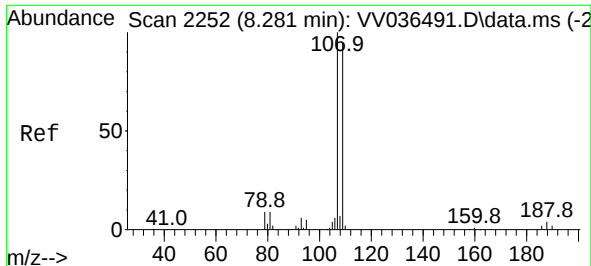
Tgt Ion: 43 Resp: 366492
Ion Ratio Lower Upper
43 100
58 64.4 49.5 74.3
57 22.6 15.3 22.9
100 17.2 12.9 19.3



#49
Dibromochloromethane
Concen: 99.762 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.000 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59

Tgt Ion: 129 Resp: 500860
Ion Ratio Lower Upper
129 100
127 77.3 53.7 99.7

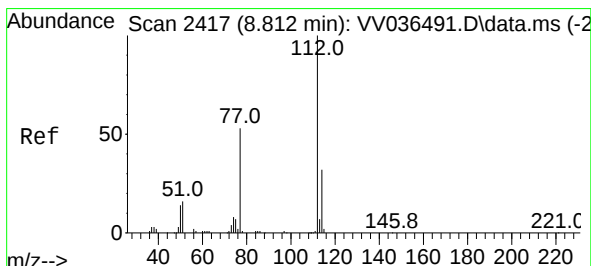
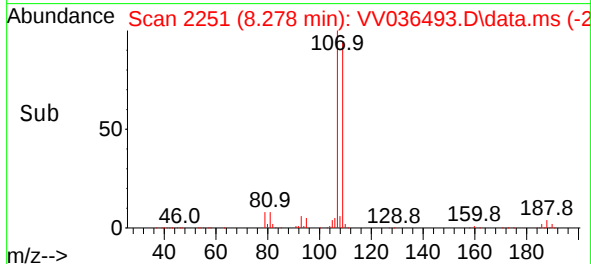
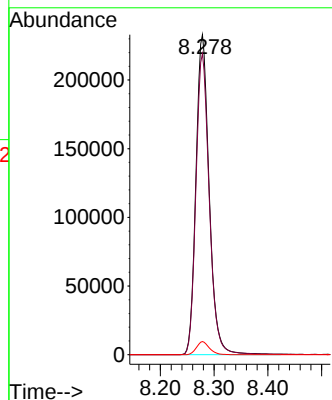
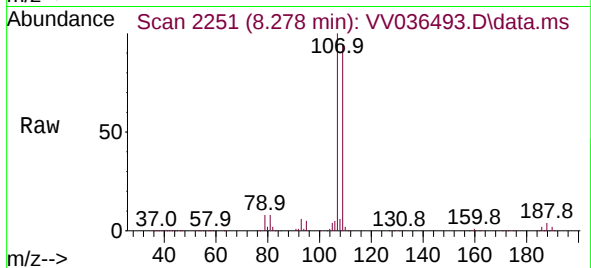




#50
1,2-Dibromoethane
Concen: 102.563 ug/L
RT: 8.278 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59

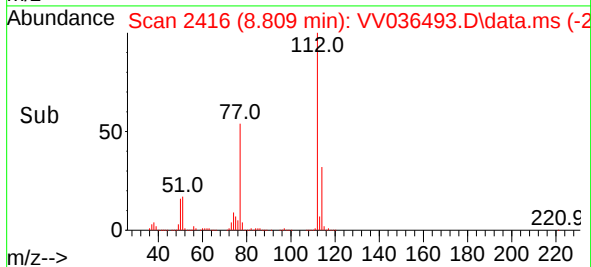
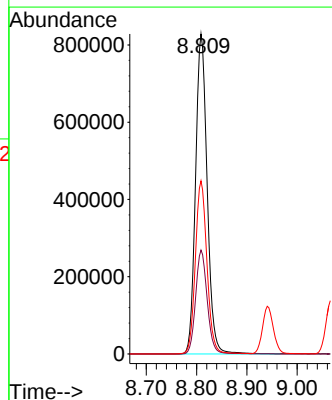
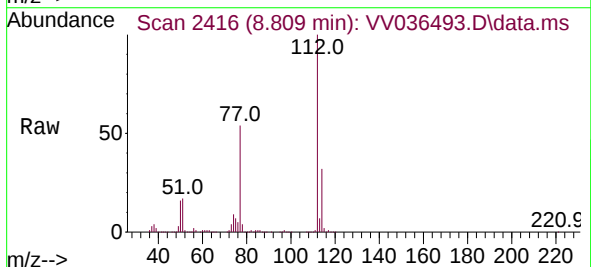
Instrument :
MSVOA_V
ClientSampleId :

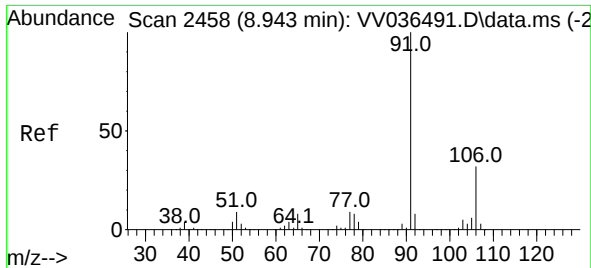
Tgt Ion:107 Resp: 399637
Ion Ratio Lower Upper
107 100
109 94.1 66.2 123.0
188 4.1 3.4 5.0



#51
Chlorobenzene
Concen: 100.242 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. -0.003 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59

Tgt Ion:112 Resp: 1328058
Ion Ratio Lower Upper
112 100
114 32.5 22.5 41.9
77 54.1 43.0 64.6

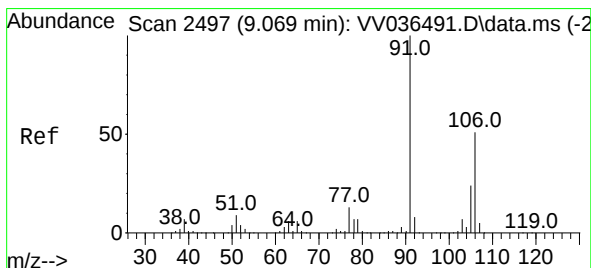
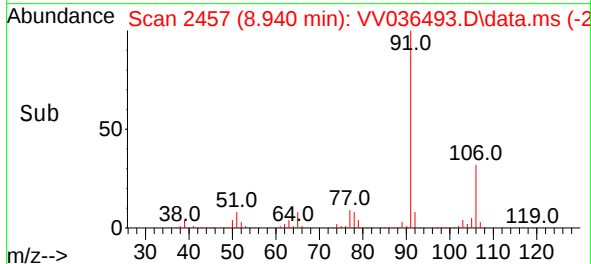
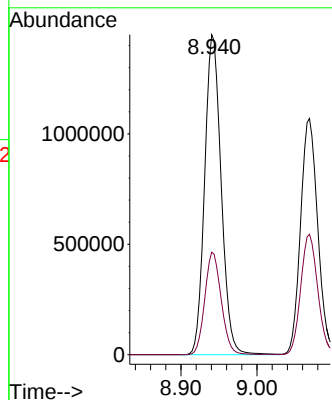
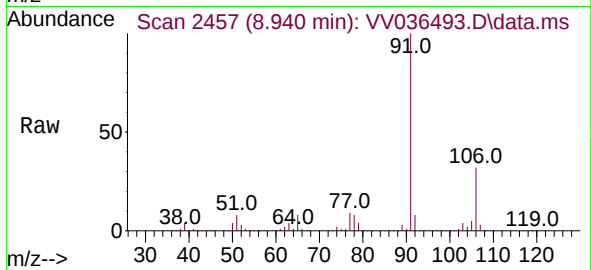




#52
Ethylbenzene
Concen: 115.239 ug/L
RT: 8.940 min Scan# 2458
Delta R.T. -0.003 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59

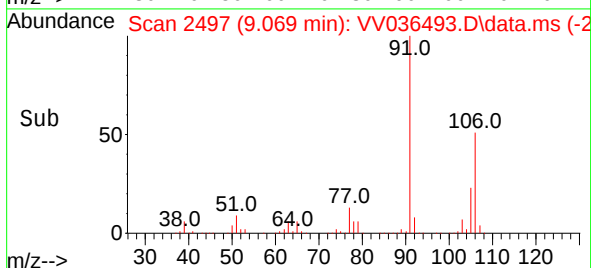
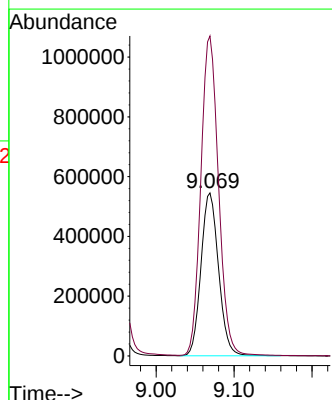
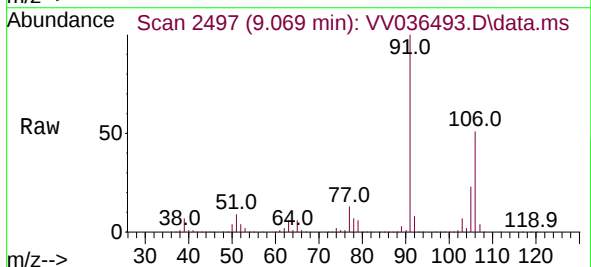
Instrument :
MSVOA_V
ClientSampleId :

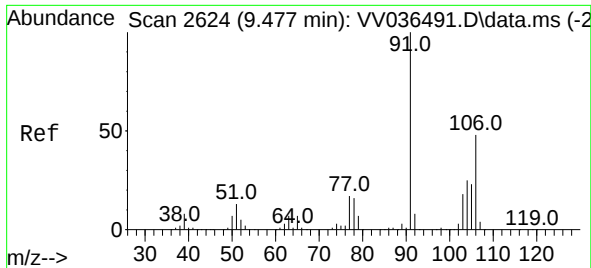
Tgt Ion: 91 Resp: 2186809
Ion Ratio Lower Upper
91 100
106 32.0 22.6 42.0



#53
m,p-Xylene
Concen: 116.841 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. 0.000 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59

Tgt Ion:106 Resp: 853637
Ion Ratio Lower Upper
106 100
91 196.2 137.1 254.7

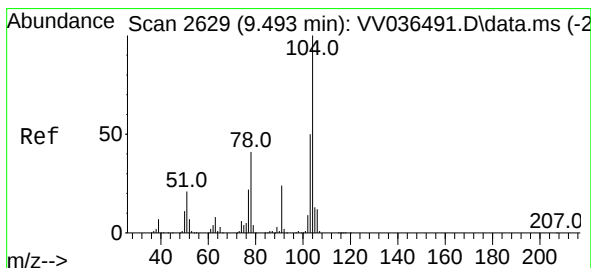
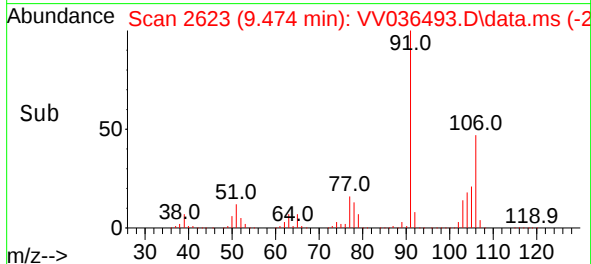
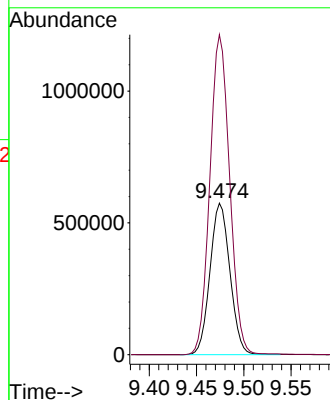
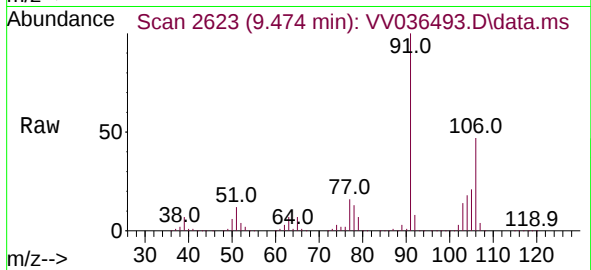




#54
o-Xylene
Concen: 121.048 ug/L
RT: 9.474 min Scan# 2623
Delta R.T. -0.003 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59

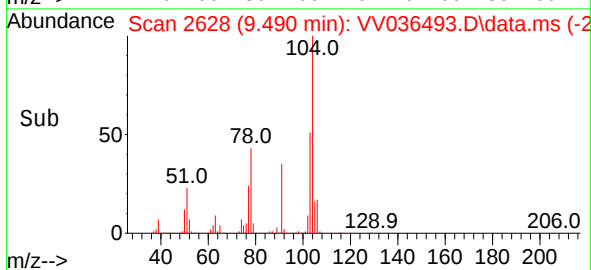
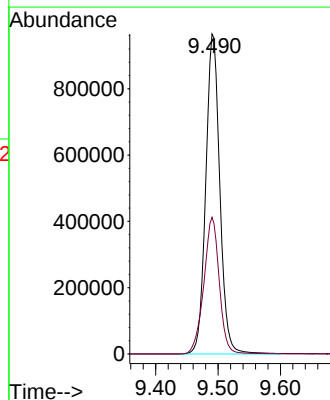
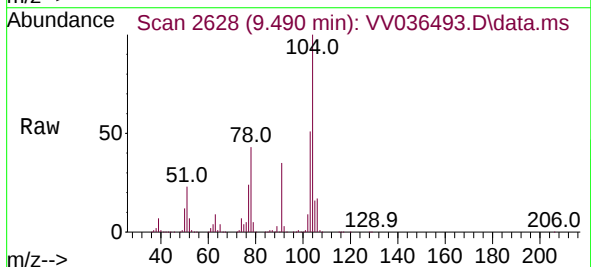
Instrument :
MSVOA_V
ClientSampleId :

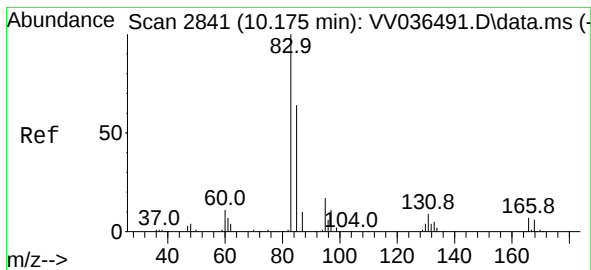
Tgt Ion:106 Resp: 842002
Ion Ratio Lower Upper
106 100
91 211.1 147.3 273.6



#55
Styrene
Concen: 122.535 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. -0.003 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59

Tgt Ion:104 Resp: 1514597
Ion Ratio Lower Upper
104 100
78 42.7 28.8 53.6

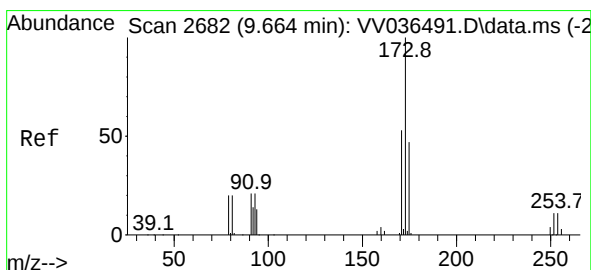
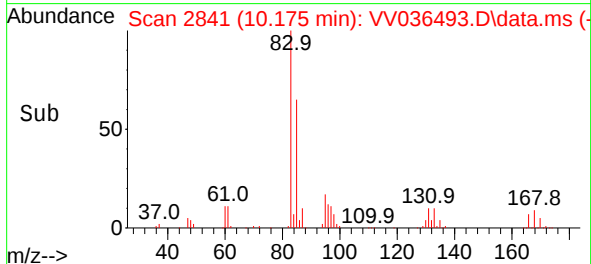
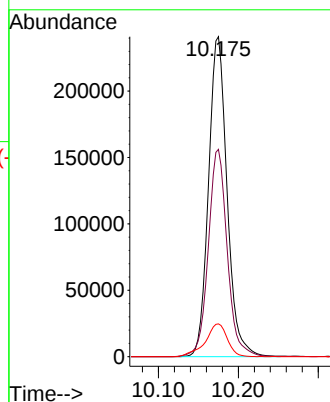
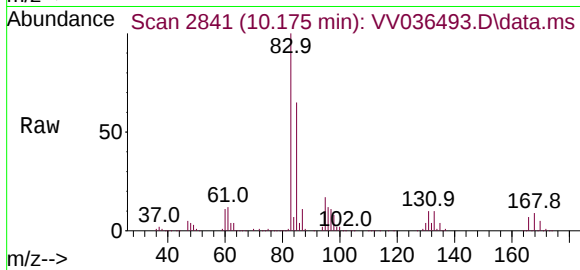




#57
1,1,2,2-Tetrachloroethane
Concen: 102.780 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59

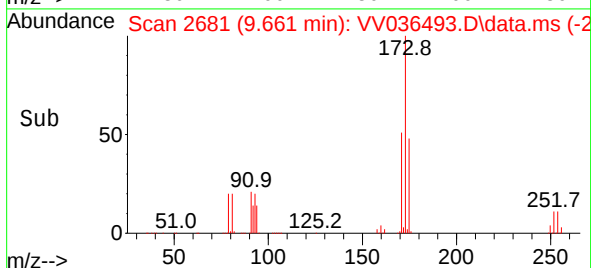
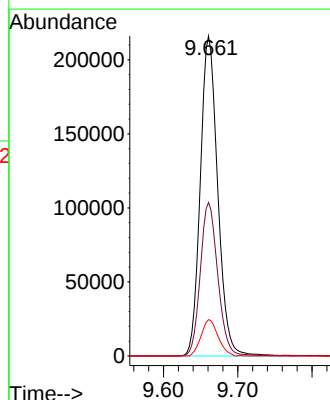
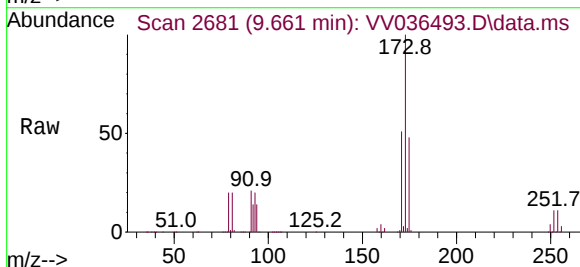
Instrument :
MSVOA_V
ClientSampleId :

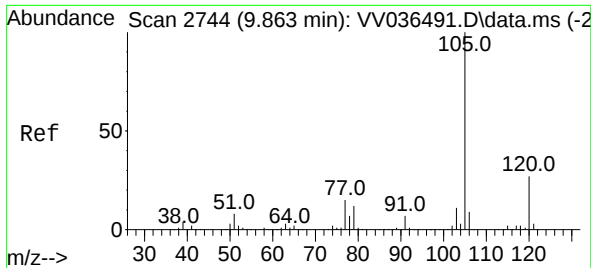
Tgt Ion: 83 Resp: 389659
Ion Ratio Lower Upper
83 100
85 64.8 45.0 83.6
131 10.3 8.1 12.1



#59
Bromoform
Concen: 95.914 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. -0.003 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59

Tgt Ion: 173 Resp: 352127
Ion Ratio Lower Upper
173 100
175 48.2 37.6 56.4
254 11.1 8.2 12.4

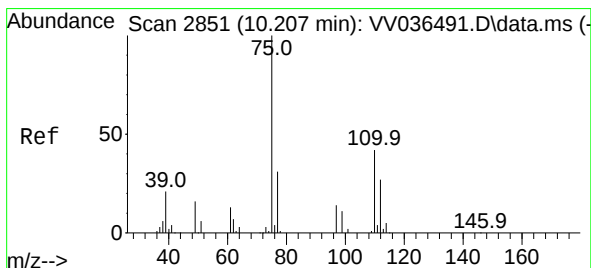
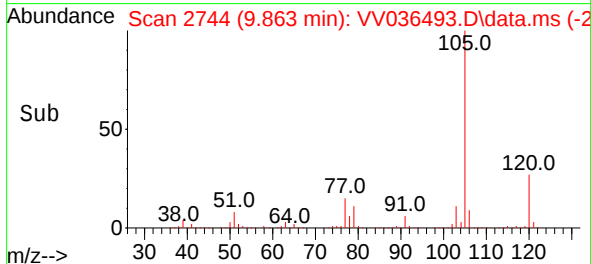
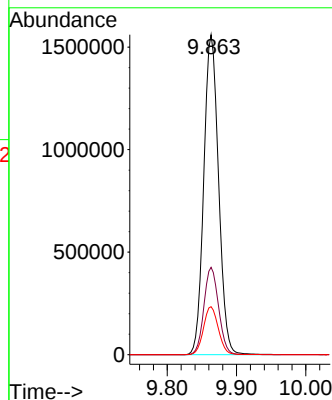
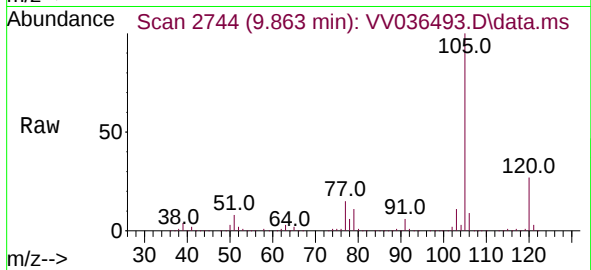




#60
Isopropylbenzene
Concen: 111.693 ug/L
RT: 9.863 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59

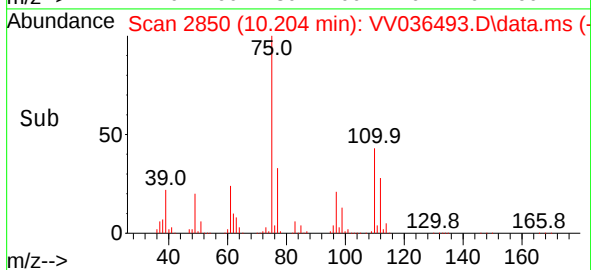
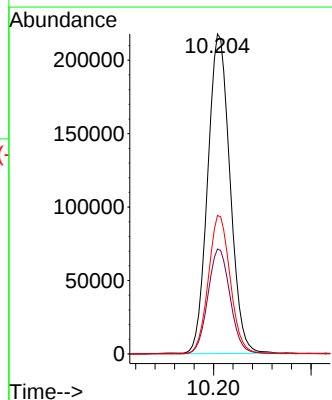
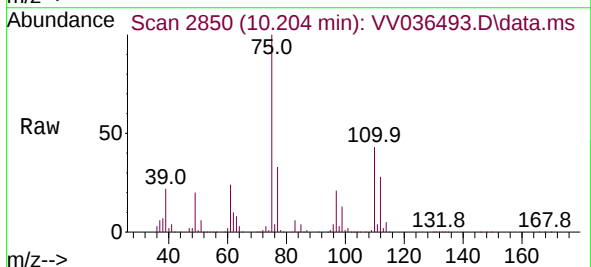
Instrument :
MSVOA_V
ClientSampleId :

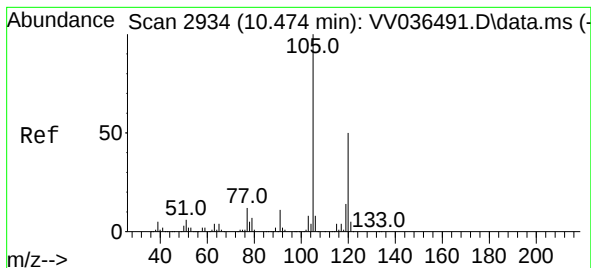
Tgt Ion:105 Resp: 2311425
Ion Ratio Lower Upper
105 100
120 27.2 21.8 32.6
77 15.1 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 93.642 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. -0.003 min
Lab File: VV036493.D
Acq: 11 Jul 2024 11:59

Tgt Ion: 75 Resp: 345121
Ion Ratio Lower Upper
75 100
77 32.8 25.6 38.4
110 42.8 34.8 52.2





#62

1,3,5-Trimethylbenzene

Concen: 120.498 ug/L

RT: 10.471 min Scan# 2934

Delta R.T. -0.003 min

Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

Instrument :

MSVOA_V

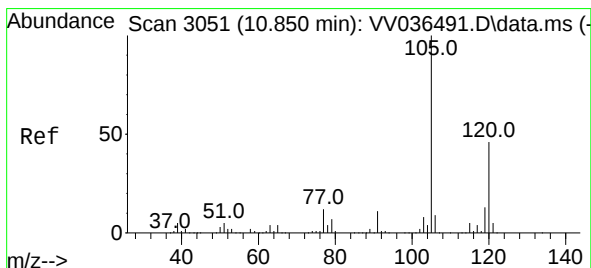
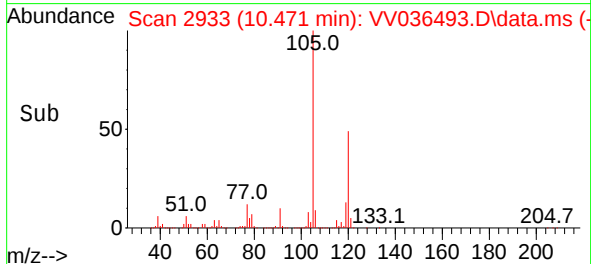
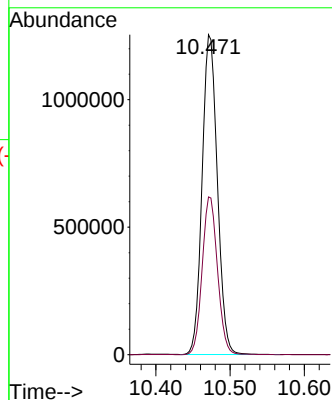
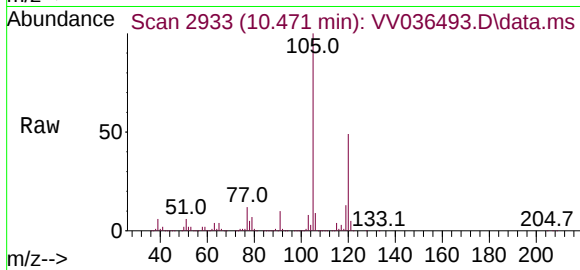
ClientSampleId :

Tgt Ion:105 Resp: 1785761

Ion Ratio Lower Upper

105 100

120 49.5 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 121.937 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VV036493.D

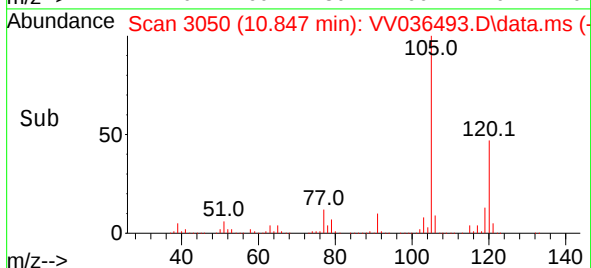
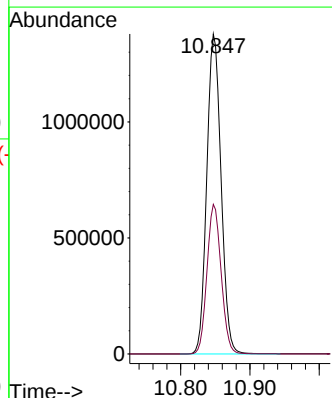
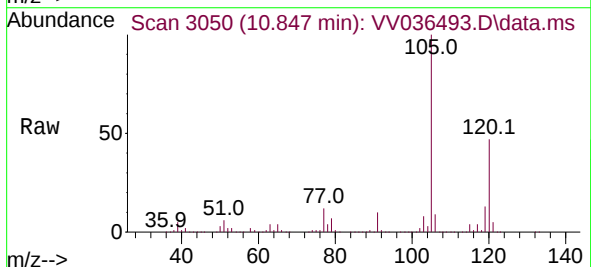
Acq: 11 Jul 2024 11:59

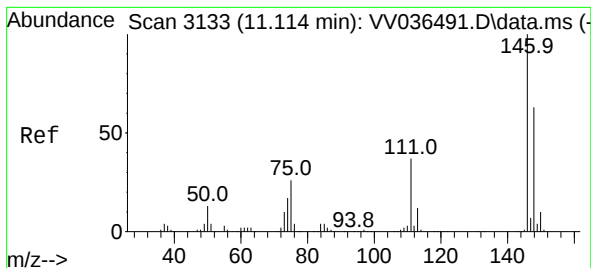
Tgt Ion:105 Resp: 1966326

Ion Ratio Lower Upper

105 100

120 46.3 37.0 55.4





#64

1,3-Dichlorobenzene

Concen: 100.389 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

Instrument :

MSVOA_V

ClientSampleId :

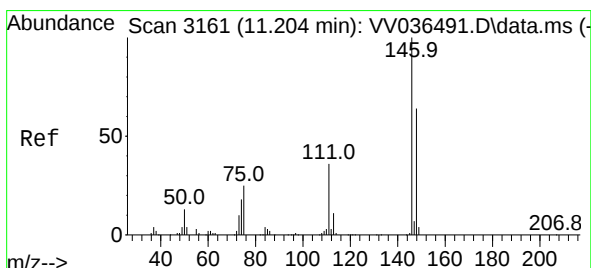
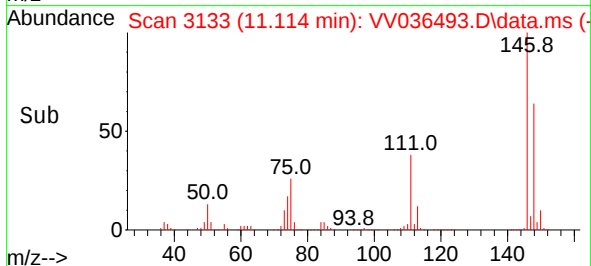
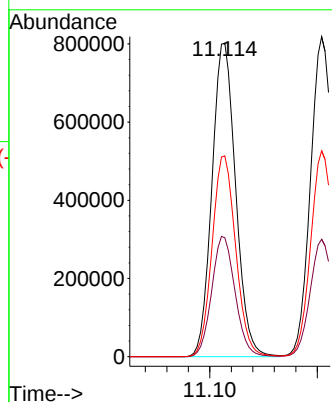
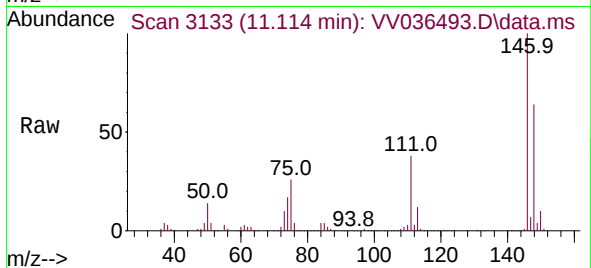
Tgt Ion:146 Resp: 1228137

Ion Ratio Lower Upper

146 100

111 37.9 25.8 47.8

148 64.0 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 95.262 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

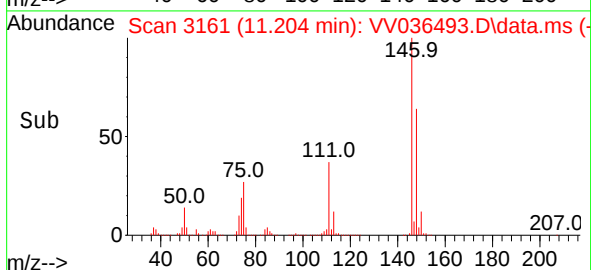
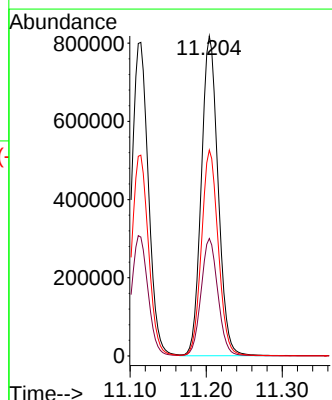
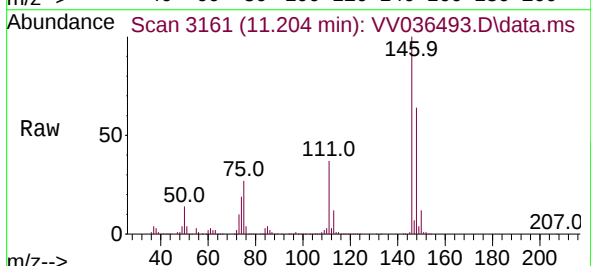
Tgt Ion:146 Resp: 1251404

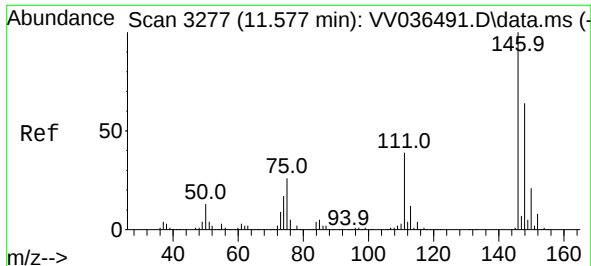
Ion Ratio Lower Upper

146 100

111 36.7 25.2 46.8

148 64.4 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 99.910 ug/L

RT: 11.574 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

Instrument :

MSVOA_V

ClientSampleId :

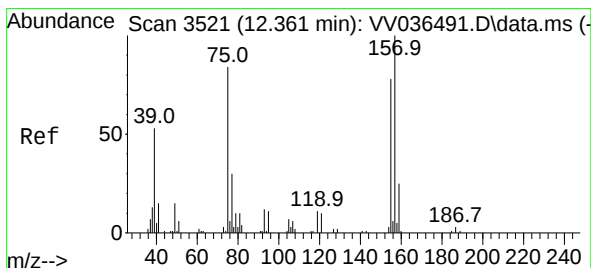
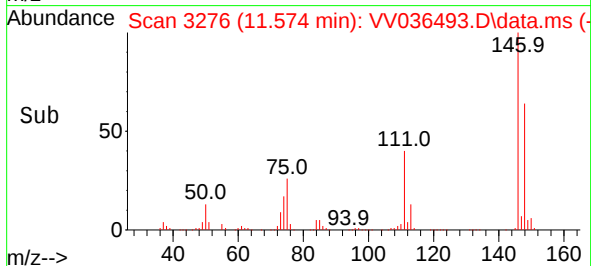
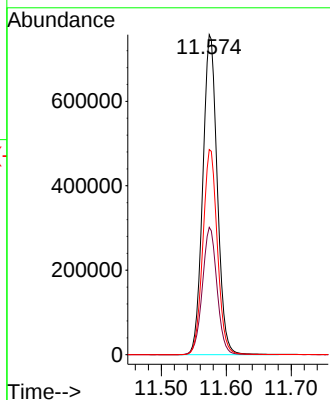
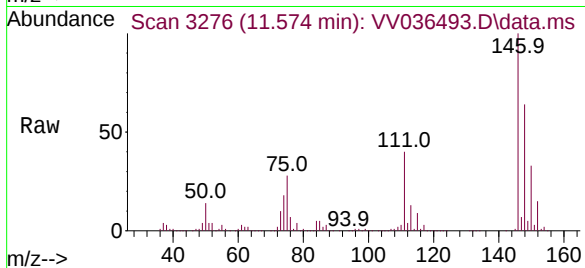
Tgt Ion:146 Resp: 1174558

Ion Ratio Lower Upper

146 100

111 39.8 30.8 46.2

148 64.1 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 103.773 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

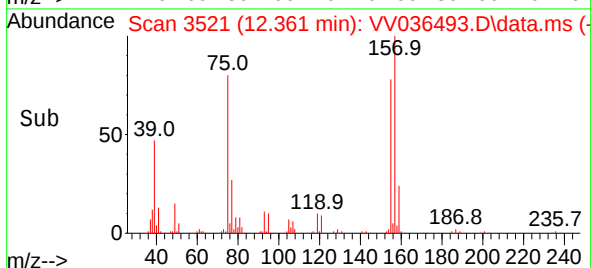
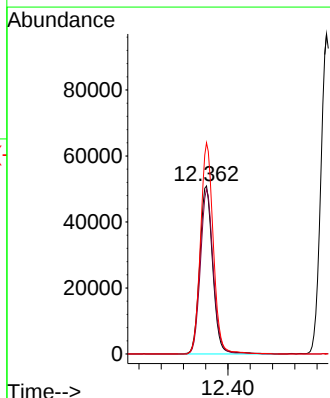
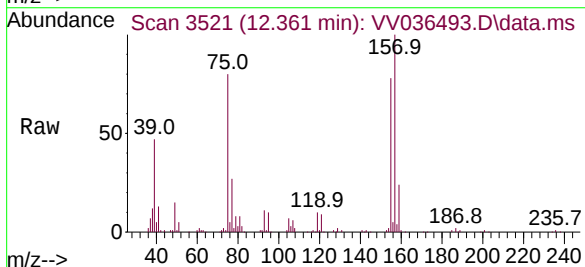
Tgt Ion: 75 Resp: 82749

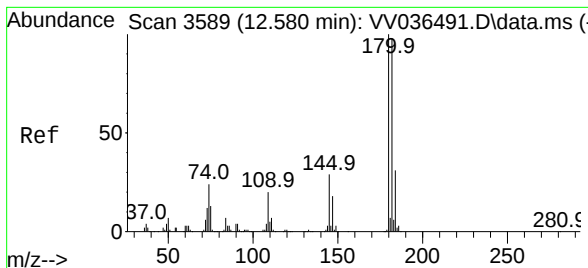
Ion Ratio Lower Upper

75 100

155 98.3 74.6 111.8

157 125.6 95.0 142.4





#69

1,3,5-Trichlorobenzene

Concen: 106.899 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. -0.003 min

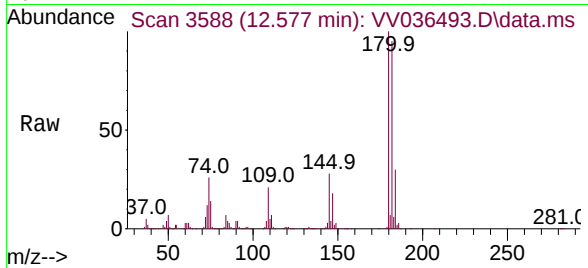
Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 1012605

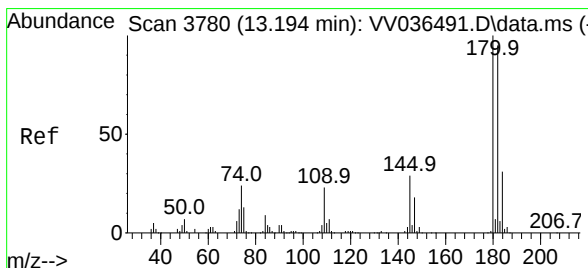
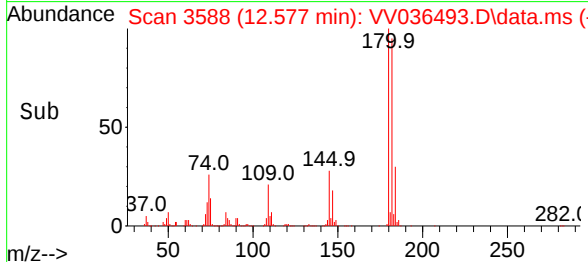
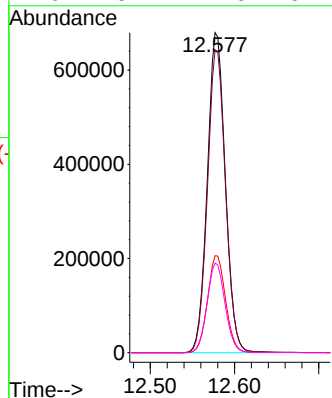
Ion Ratio Lower Upper

180 100

182 94.9 77.4 116.0

184 30.4 24.4 36.6

145 28.1 22.8 34.2



#70

1,2,4-trichlorobenzene

Concen: 118.397 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

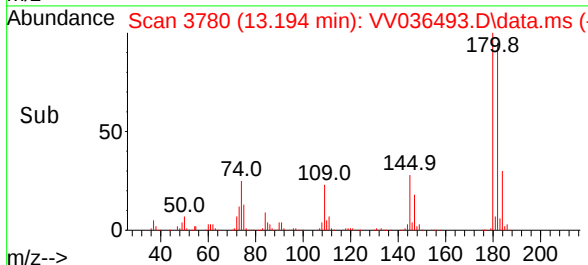
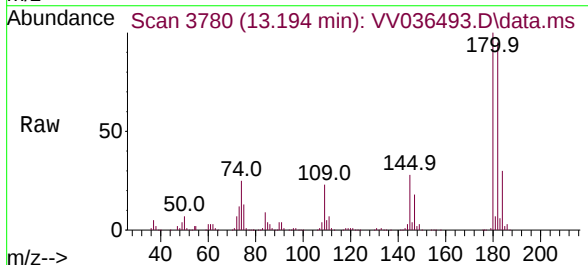
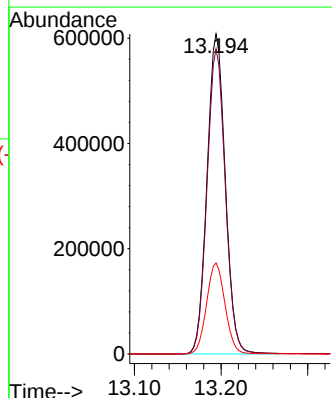
Tgt Ion:180 Resp: 891984

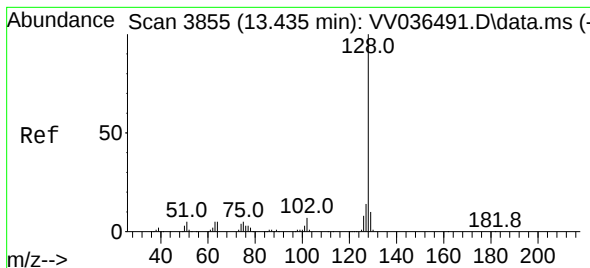
Ion Ratio Lower Upper

180 100

182 95.4 76.7 115.1

145 28.6 23.0 34.6





#71

Naphthalene

Concen: 136.943 ug/L

RT: 13.432 min Scan# 3855

Delta R.T. -0.003 min

Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

Instrument :

MSVOA_V

ClientSampleId :

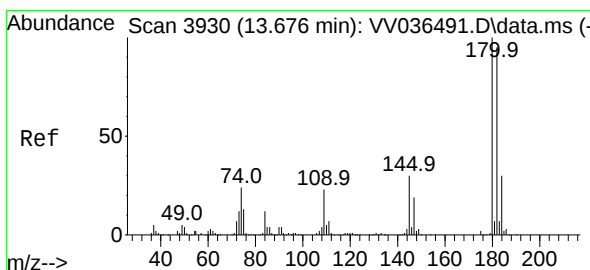
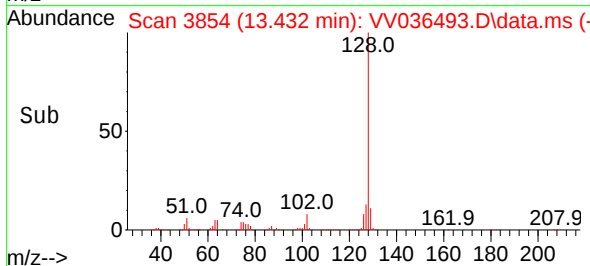
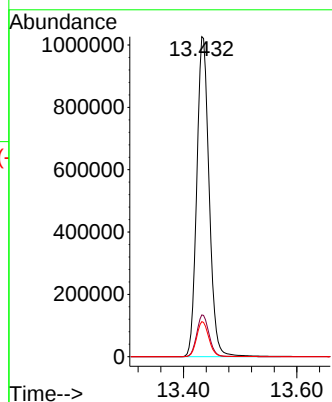
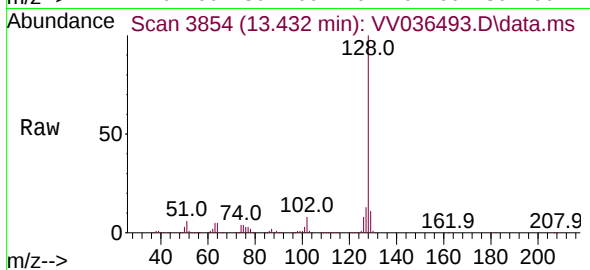
Tgt Ion:128 Resp: 1549506

Ion Ratio Lower Upper

128 100

127 13.0 10.8 16.2

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 116.007 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV036493.D

Acq: 11 Jul 2024 11:59

Tgt Ion:180 Resp: 826854

Ion Ratio Lower Upper

180 100

182 95.3 76.6 114.8

145 30.6 24.4 36.6

