

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082124\
 Data File : VV036989.D
 Acq On : 21 Aug 2024 12:02
 Operator : SY/MD
 Sample : VSTD05054
 Misc : 5.00mL/10mL/MSVOA_V/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 22 01:03:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 22 00:59:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	724921	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	685549	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	337764	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	546876	46.406	ug/L	0.00
7) Chloroethane-d5	1.532	69	444542	46.175	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	240173	46.202	ug/L	0.00
21) 2-Butanone-d5	3.828	46	190657	107.615	ug/L	-0.02
24) Chloroform-d	4.240	84	1007571	46.816	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.934	65	464840	47.330	ug/L	0.00
32) Benzene-d6	4.950	84	1999217	46.197	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	607009	47.327	ug/L	0.00
41) Toluene-d8	7.233	98	1840540	46.874	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.545	79	227148	49.983	ug/L	0.00
47) 2-Hexanone-d5	8.027	63	127432	115.868	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.146	84	350635	49.116	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.551	152	574074	45.681	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	488581	44.438	ug/L	100
3) Chloromethane	1.217	50	614713	46.226	ug/L	99
5) Vinyl chloride	1.285	62	608064	47.400	ug/L	99
6) Bromomethane	1.490	94	398693	47.949	ug/L	98
8) Chloroethane	1.548	64	387772	47.499	ug/L	98
9) Trichlorofluoromethane	1.712	101	781641	47.692	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	481940	47.657	ug/L	99
12) 1,1-Dichloroethene	2.069	96	467837	48.190	ug/L	94
13) Acetone	2.069	43	5829	1.842	ug/L	87
14) Carbon disulfide	2.236	76	1559607	47.723	ug/L	100
15) Methyl Acetate	2.384	43	189404	53.187	ug/L	97
16) Methylene chloride	2.442	84	550563	34.594	ug/L	100
17) trans-1,2-Dichloroethene	2.687	96	520437	47.860	ug/L	98
18) Methyl tert-butyl Ether	2.706	73	1126534	50.431	ug/L	99
19) 1,1-Dichloroethane	3.101	63	1004958	48.531	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	576562	49.122	ug/L	99
22) 2-Butanone	3.905	43	251596	107.956	ug/L #	100
23) Bromochloromethane	4.137	128	230839	49.911	ug/L	98
25) Chloroform	4.265	83	1004400	48.453	ug/L	100
27) 1,2-Dichloroethane	5.034	62	575631	50.823	ug/L	99
29) Cyclohexane	4.568	56	817473	47.707	ug/L	99
30) 1,1,1-Trichloroethane	4.500	97	820086	48.344	ug/L	99
31) Carbon tetrachloride	4.722	117	693084	49.237	ug/L	100
33) Benzene	4.998	78	2165920	49.150	ug/L	100
34) Trichloroethene	5.822	95	606852	48.497	ug/L	99
35) Methylcyclohexane	6.040	83	890694	48.015	ug/L	99
37) 1,2-Dichloropropane	5.982	63	66704	6.125	ug/L	100
38) Bromodichloromethane	6.426	83	685133	50.374	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	846275	51.917	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	500630	111.235	ug/L	100
42) Toluene	7.307	91	2299781	49.321	ug/L	99
44) trans-1,3-Dichloropropene	7.574	75	656533	53.117	ug/L	98

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

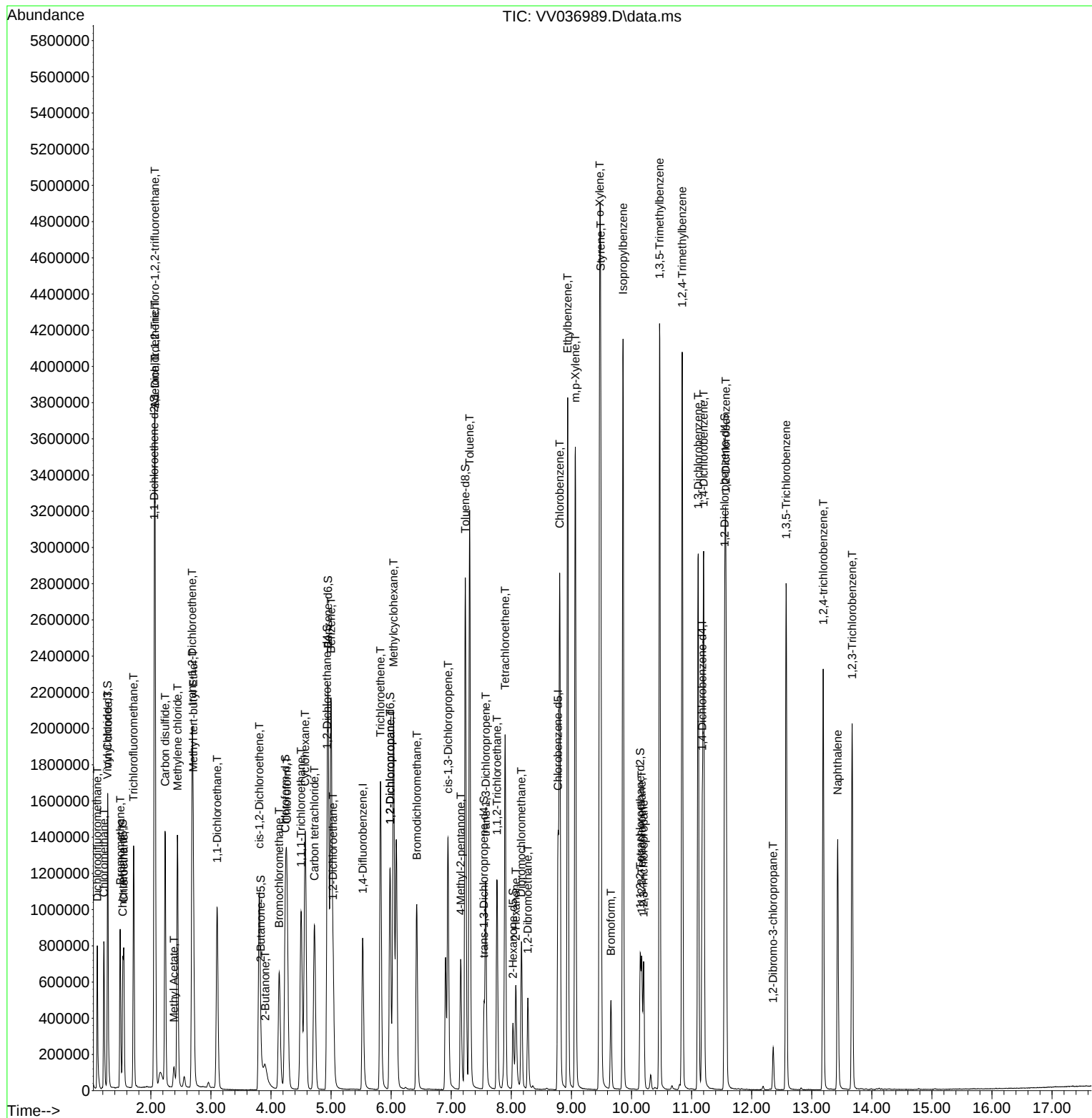
45) 1,1,2-Trichloroethane	7.760	97	356768	50.593	ug/L	99
46) Tetrachloroethene	7.895	164	410081	46.928	ug/L	98
48) 2-Hexanone	8.075	43	390798	115.203	ug/L	99
49) Dibromochloromethane	8.169	129	405107	51.679	ug/L	99
50) 1,2-Dibromoethane	8.275	107	332001	50.961	ug/L	100
51) Chlorobenzene	8.805	112	1456592	48.927	ug/L	99
52) Ethylbenzene	8.937	91	2608091	49.516	ug/L	100
53) m,p-Xylene	9.066	106	979448	50.278	ug/L	98
54) o-Xylene	9.471	106	948341	50.547	ug/L	98
55) Styrene	9.487	104	1617207	51.632	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.172	83	344870	51.239	ug/L	99
59) Bromoform	9.657	173	203816	51.533	ug/L	99
60) Isopropylbenzene	9.860	105	2582617	49.731	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	272165	50.245	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	2164878	50.296	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	2152099	50.462	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	1113708	48.143	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	1110323	48.266	ug/L	99
67) 1,2-Dichlorobenzene	11.570	146	979575	49.198	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	59267	53.724	ug/L	98
69) 1,3,5-Trichlorobenzene	12.574	180	795172	49.457	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	647156	50.346	ug/L	99
71) Naphthalene	13.432	128	1051913	52.128	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	546159	50.620	ug/L	99

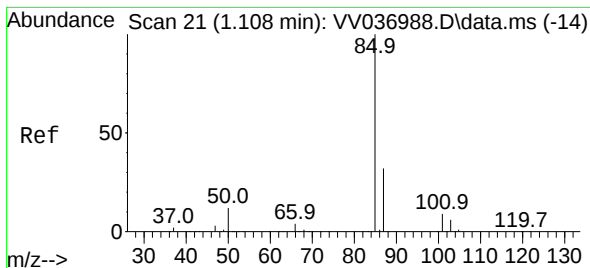
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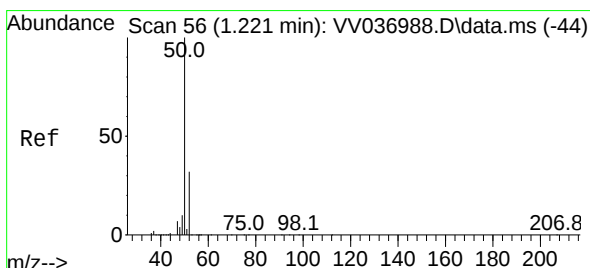
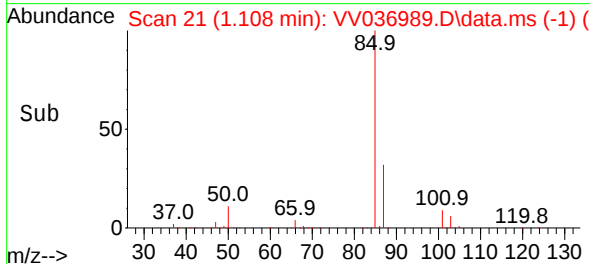
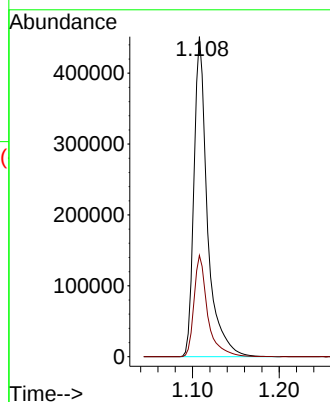
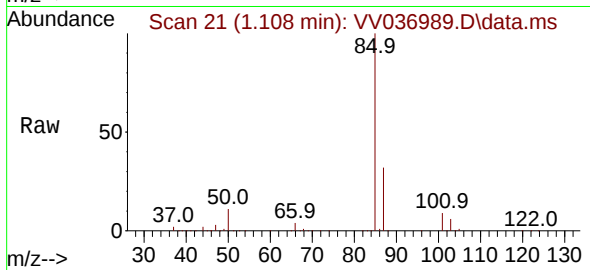




#2
 Dichlorodifluoromethane
 Concen: 44.438 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV036989.D
 Acq: 21 Aug 2024 12:02

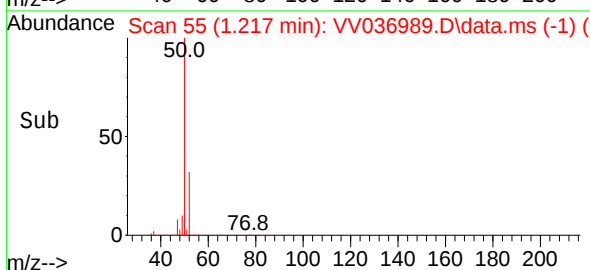
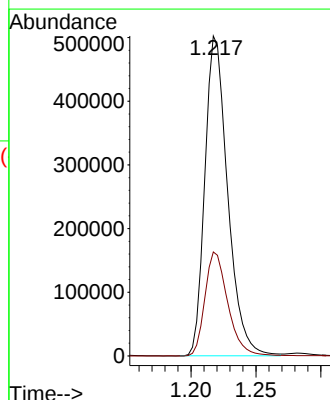
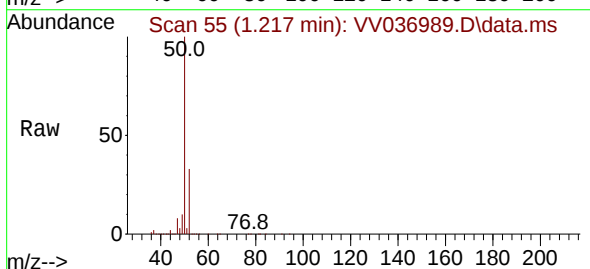
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 ClientSampleId :

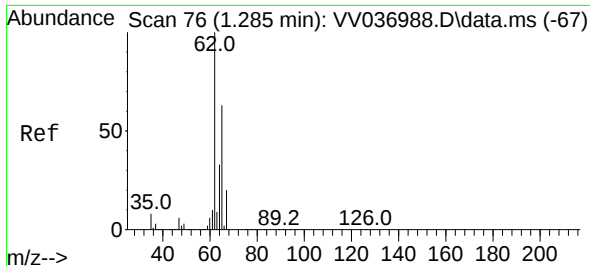
Tgt Ion: 85 Resp: 488581
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.7 38.5



#3
 Chloromethane
 Concen: 46.226 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.003 min
 Lab File: VV036989.D
 Acq: 21 Aug 2024 12:02

Tgt Ion: 50 Resp: 614713
 Ion Ratio Lower Upper
 50 100
 52 32.5 22.5 41.9

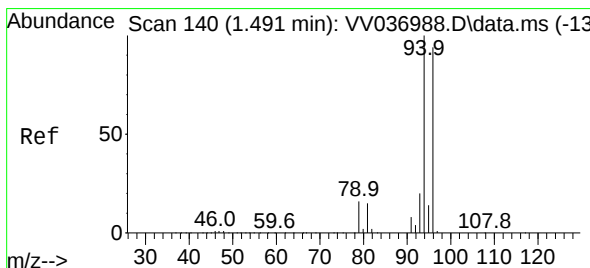
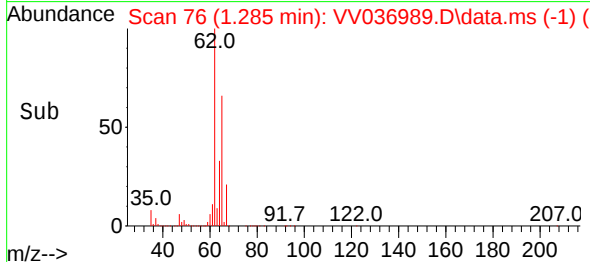
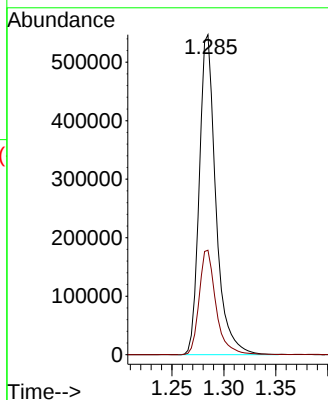
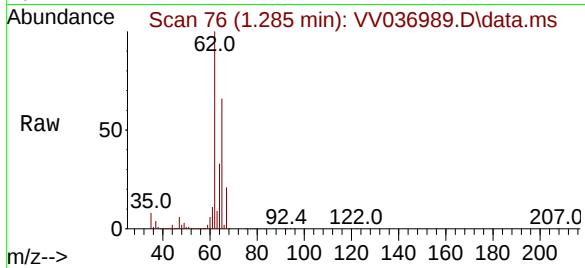




#5
 Vinyl chloride
 Concen: 47.400 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV036989.D
 Acq: 21 Aug 2024 12:02

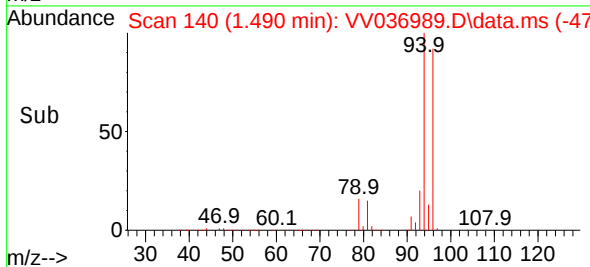
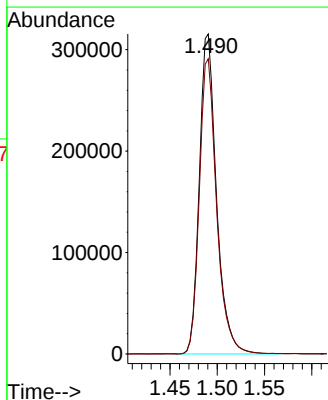
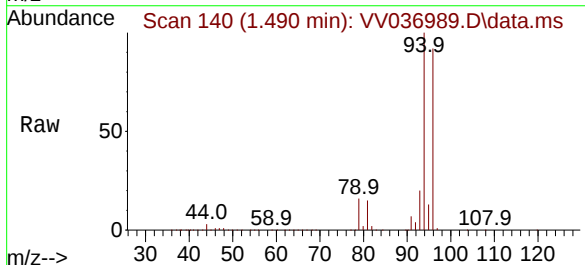
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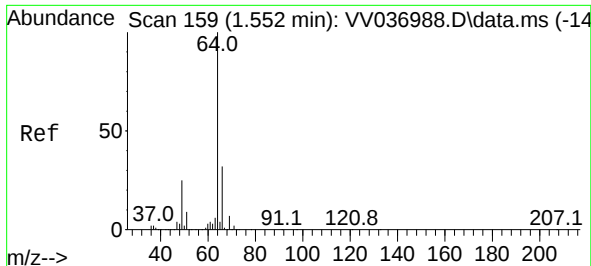
Tgt Ion: 62 Resp: 608064
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.1 42.9



#6
 Bromomethane
 Concen: 47.949 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV036989.D
 Acq: 21 Aug 2024 12:02

Tgt Ion: 94 Resp: 398693
 Ion Ratio Lower Upper
 94 100
 96 92.3 65.9 122.3

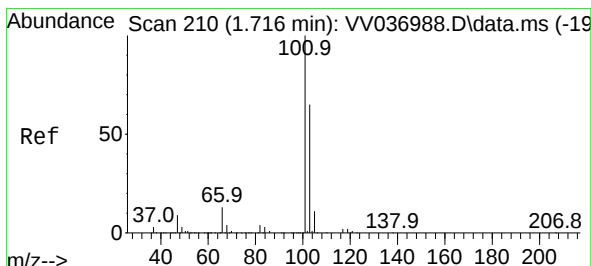
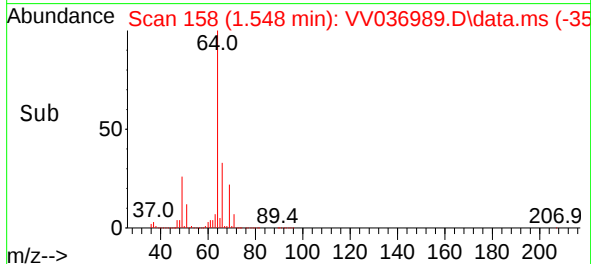
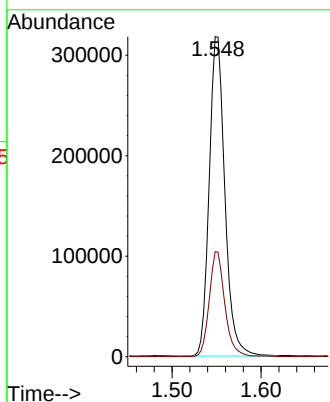
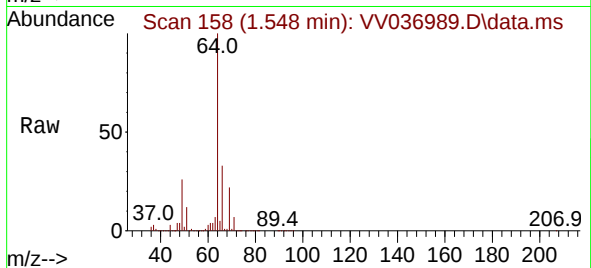




#8
Chloroethane
Concen: 47.499 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV036989.D
Acq: 21 Aug 2024 12:02

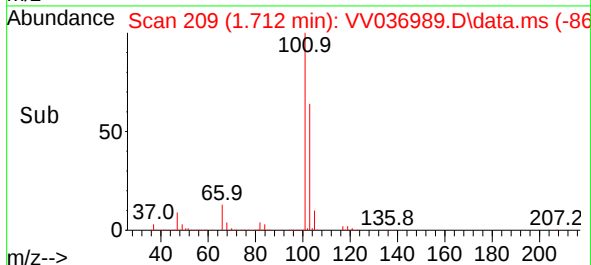
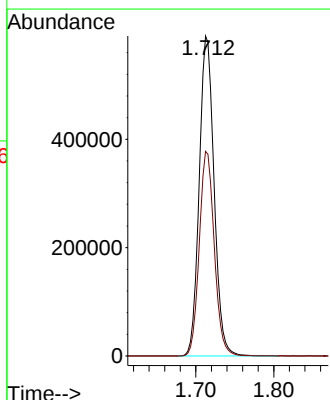
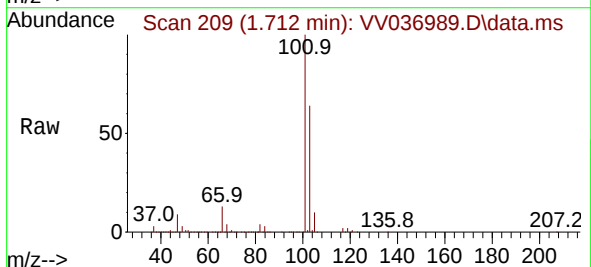
Instrument :
MSVOA_V
ClientSampleId :

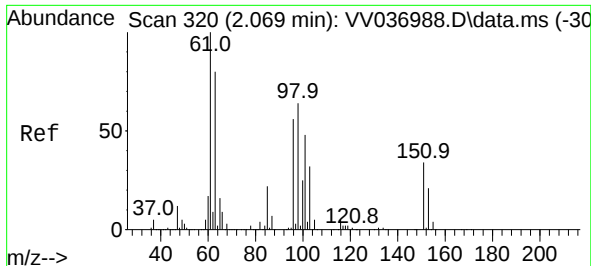
Tgt Ion: 64 Resp: 387772
Ion Ratio Lower Upper
64 100
66 32.8 22.1 41.1



#9
Trichlorofluoromethane
Concen: 47.692 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV036989.D
Acq: 21 Aug 2024 12:02

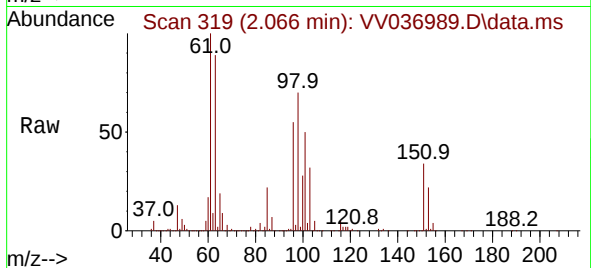
Tgt Ion:101 Resp: 781641
Ion Ratio Lower Upper
101 100
103 64.6 51.1 76.7



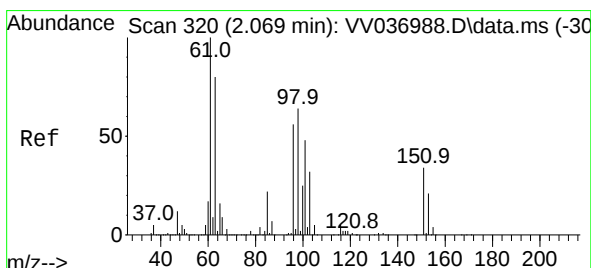
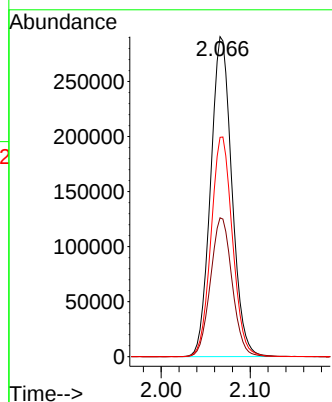
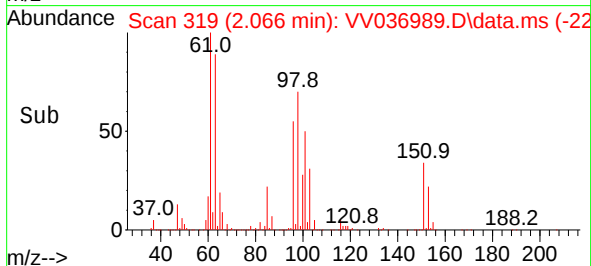


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 47.657 ug/L
RT: 2.066 min Scan# 319
Delta R.T. -0.003 min
Lab File: VV036989.D
Acq: 21 Aug 2024 12:02

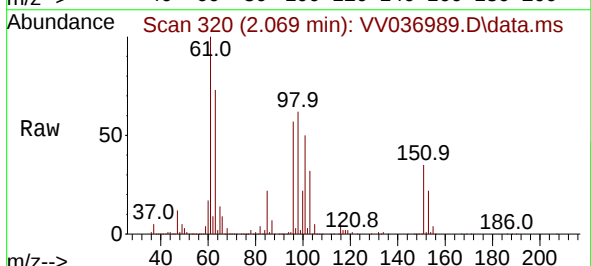
Instrument :
MSVOA_V
ClientSampleId :



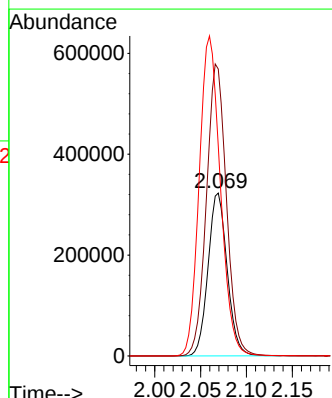
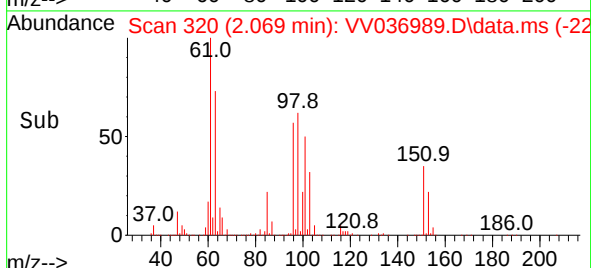
Tgt Ion:101 Resp: 481940
Ion Ratio Lower Upper
101 100
85 44.2 36.2 54.2
151 69.5 56.0 84.0

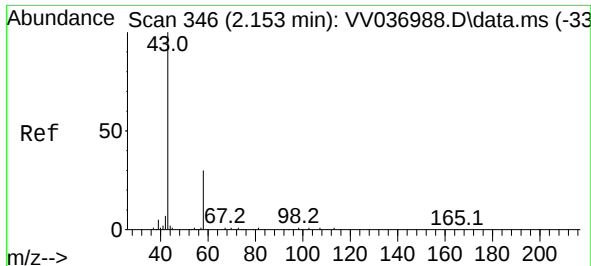


#12
1,1-Dichloroethene
Concen: 48.190 ug/L
RT: 2.069 min Scan# 320
Delta R.T. -0.000 min
Lab File: VV036989.D
Acq: 21 Aug 2024 12:02



Tgt Ion: 96 Resp: 467837
Ion Ratio Lower Upper
96 100
61 176.1 124.9 231.9
63 129.0 100.5 186.7

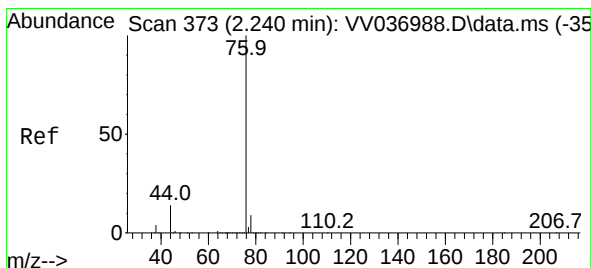
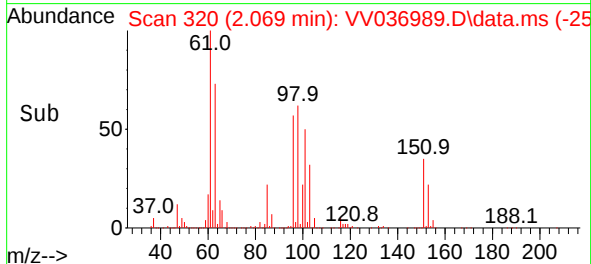
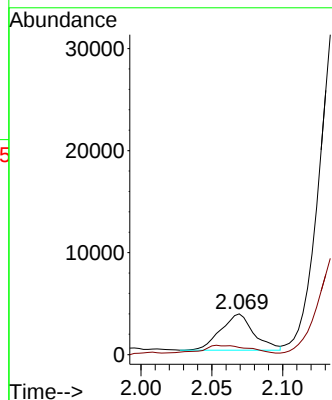
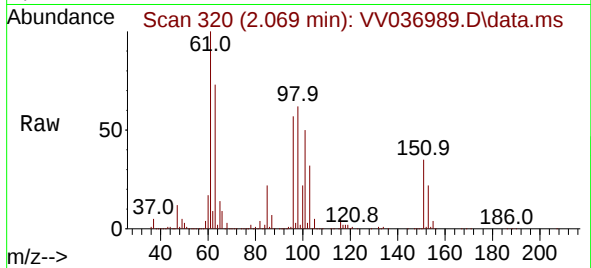




#13
Acetone
Concen: 1.842 ug/L
RT: 2.069 min Scan# 31
Delta R.T. -0.084 min
Lab File: VV036989.D
Acq: 21 Aug 2024 12:02

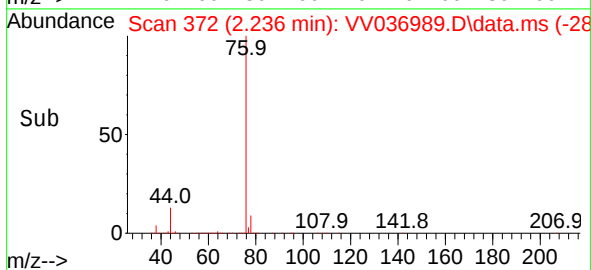
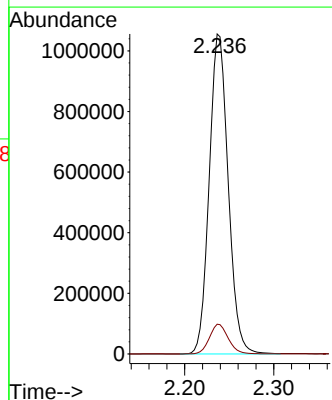
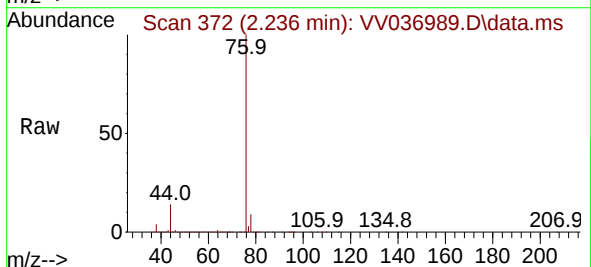
Instrument :
MSVOA_V
ClientSampleId :

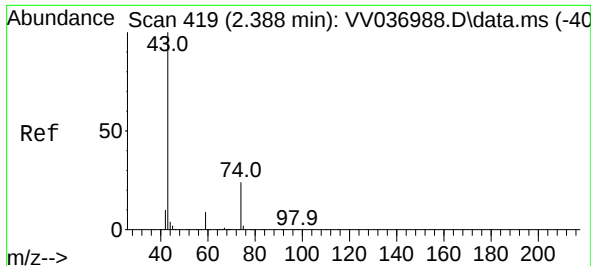
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Ion Ratio Lower Upper
43 100
58 14.3 0.0 18.8



#14
Carbon disulfide
Concen: 47.723 ug/L
RT: 2.236 min Scan# 372
Delta R.T. -0.003 min
Lab File: VV036989.D
Acq: 21 Aug 2024 12:02

Tgt Ion: 76 Resp: 1559607
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

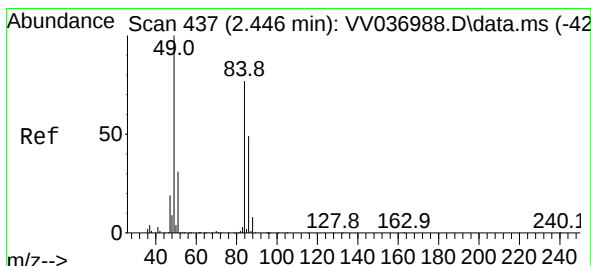
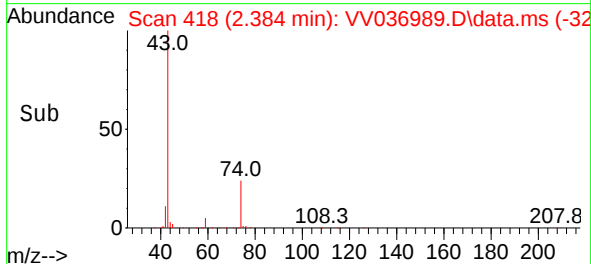
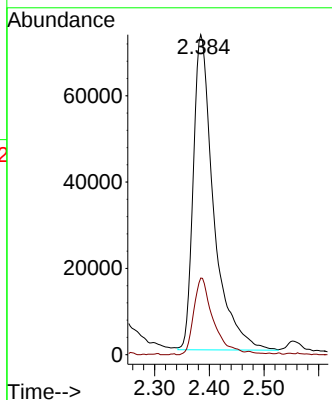
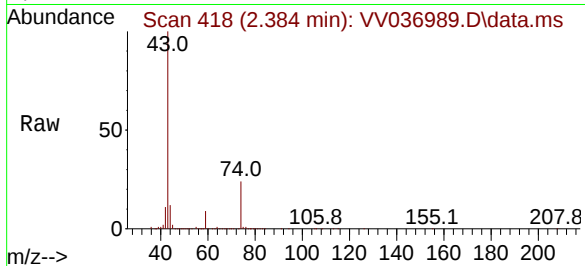




#15
Methyl Acetate
Concen: 53.187 ug/L
RT: 2.384 min Scan# 419
Delta R.T. -0.003 min
Lab File: VV036989.D
Acq: 21 Aug 2024 12:02

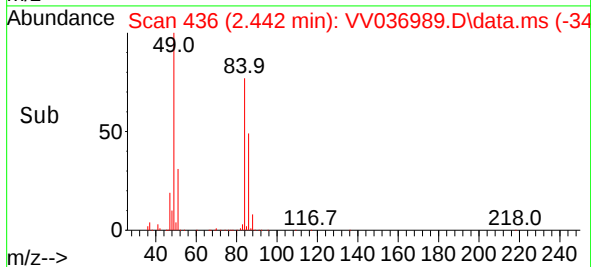
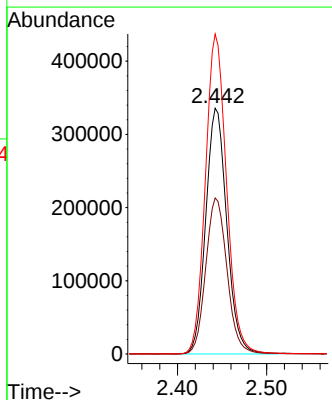
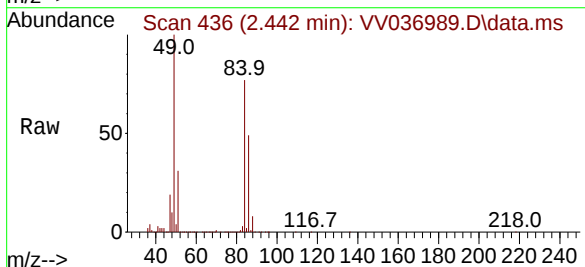
Instrument :
MSVOA_V
ClientSampleId :

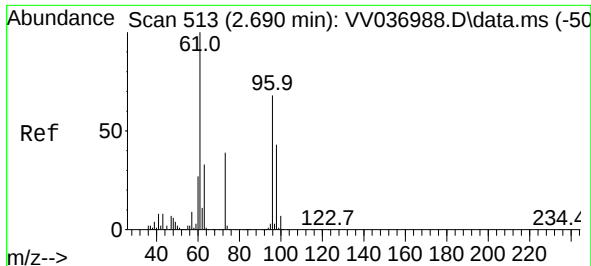
Tgt Ion: 43 Resp: 189404
Ion Ratio Lower Upper
43 100
74 23.1 19.8 29.6



#16
Methylene chloride
Concen: 34.594 ug/L
RT: 2.442 min Scan# 436
Delta R.T. -0.003 min
Lab File: VV036989.D
Acq: 21 Aug 2024 12:02

Tgt Ion: 84 Resp: 550563
Ion Ratio Lower Upper
84 100
86 63.4 44.2 82.0
49 130.2 91.0 169.0





#17

trans-1,2-Dichloroethene

Concen: 47.860 ug/L

RT: 2.687 min Scan# 513

Delta R.T. -0.003 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

Instrument :

MSVOA_V

ClientSampleId :

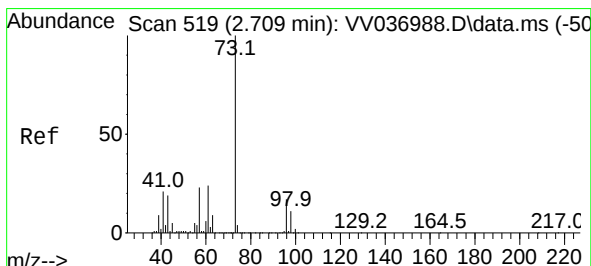
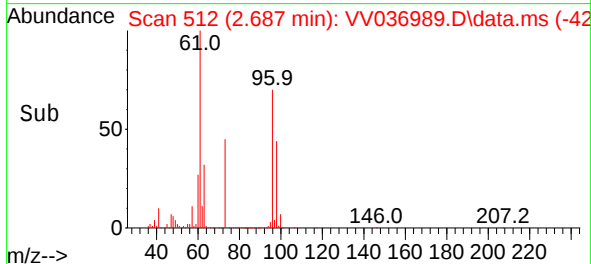
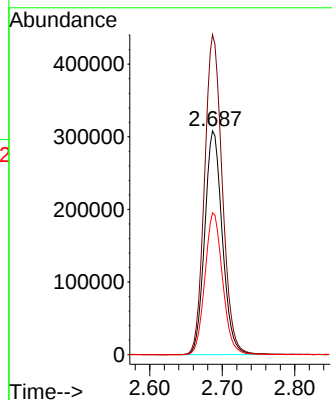
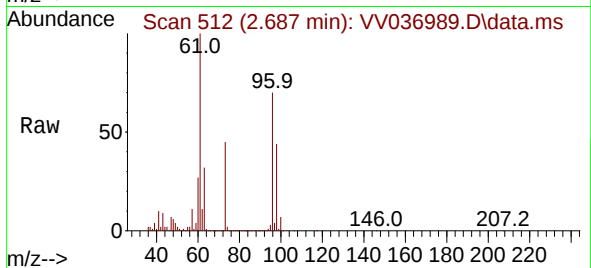
Tgt Ion: 96 Resp: 520437

Ion Ratio Lower Upper

96 100

61 143.0 102.6 190.6

98 63.4 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 50.431 ug/L

RT: 2.706 min Scan# 518

Delta R.T. -0.003 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

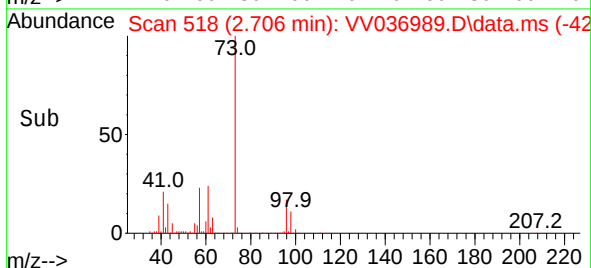
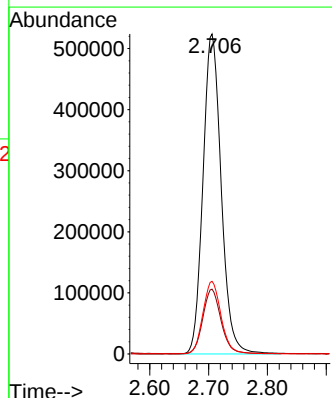
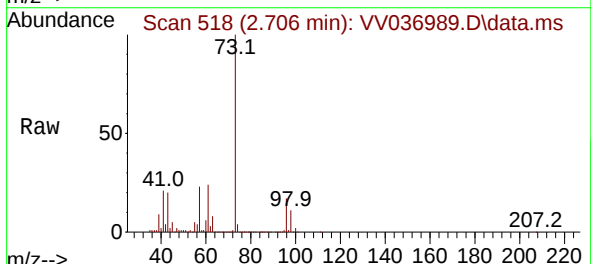
Tgt Ion: 73 Resp: 1126534

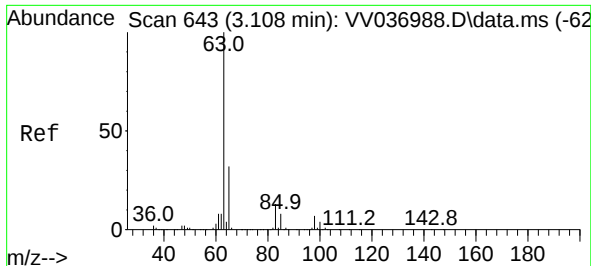
Ion Ratio Lower Upper

73 100

43 19.9 15.7 23.5

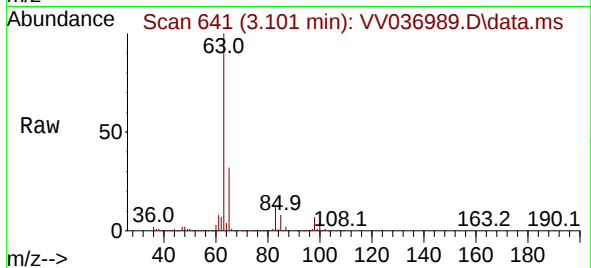
57 22.6 17.9 26.9



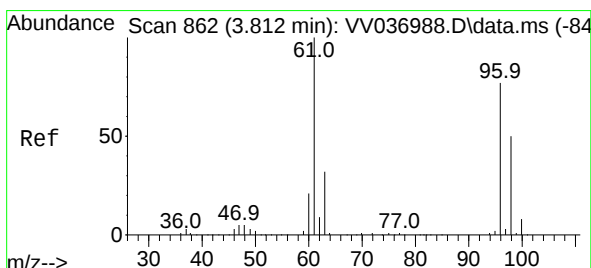
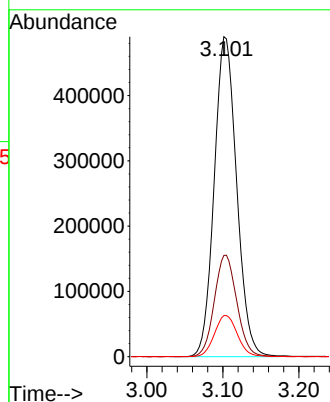
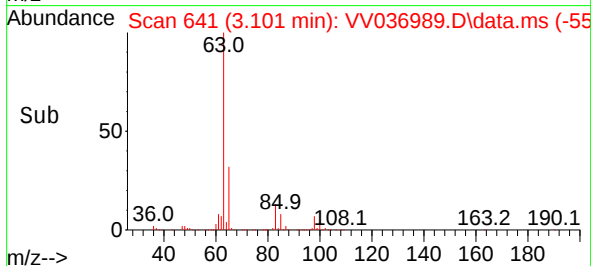


#19
1,1-Dichloroethane
Concen: 48.531 ug/L
RT: 3.101 min Scan# 641
Delta R.T. -0.007 min
Lab File: VV036989.D
Acq: 21 Aug 2024 12:02

Instrument :
MSVOA_V
ClientSampleId :

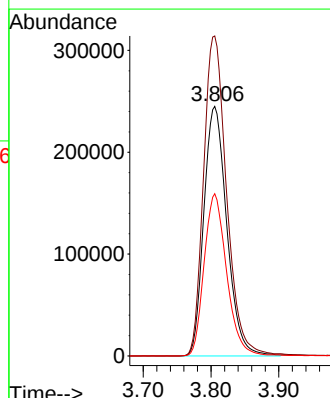
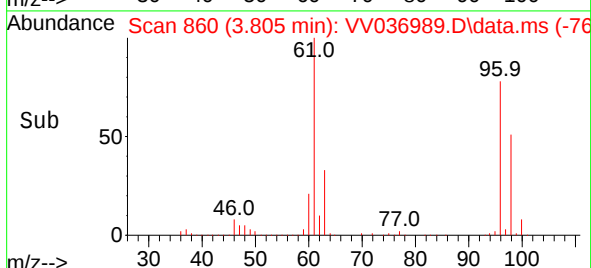
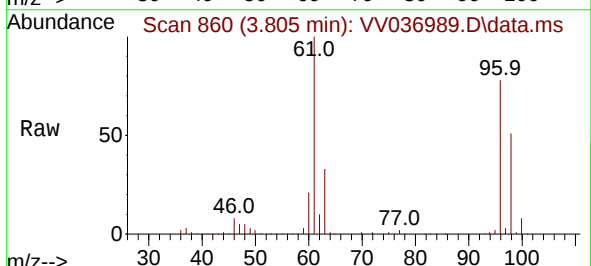


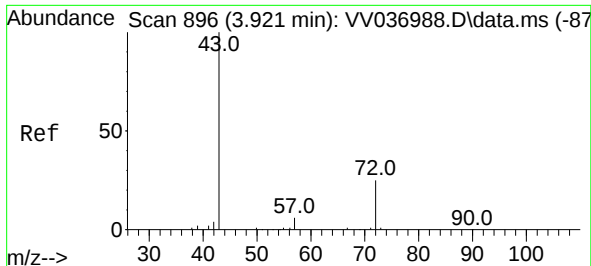
Tgt Ion: 63 Resp: 1004958
Ion Ratio Lower Upper
63 100
65 31.7 22.6 42.0
83 12.8 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 49.122 ug/L
RT: 3.805 min Scan# 860
Delta R.T. -0.007 min
Lab File: VV036989.D
Acq: 21 Aug 2024 12:02

Tgt Ion: 96 Resp: 576562
Ion Ratio Lower Upper
96 100
61 128.2 91.1 169.3
98 65.0 45.4 84.2

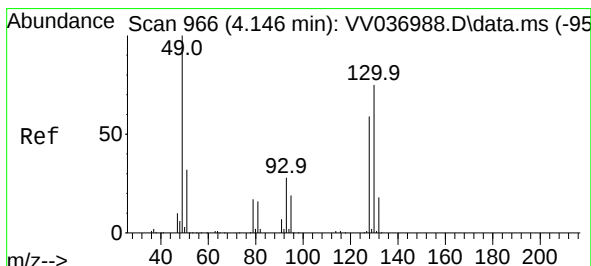
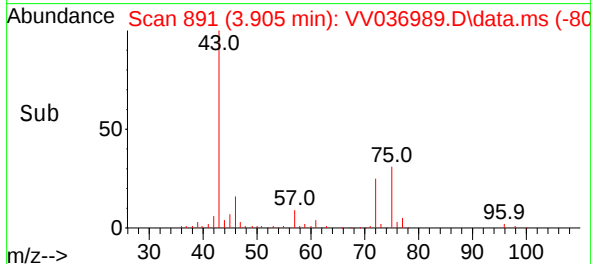
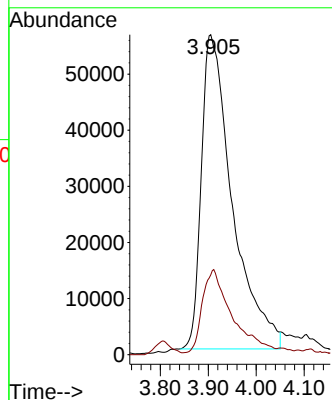
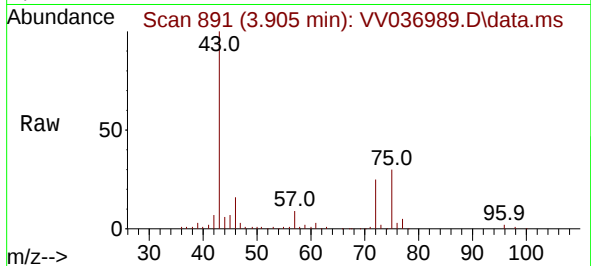




#22
2-Butanone
Concen: 107.956 ug/L
RT: 3.905 min Scan# 896
Delta R.T. -0.016 min
Lab File: VV036989.D
Acq: 21 Aug 2024 12:02

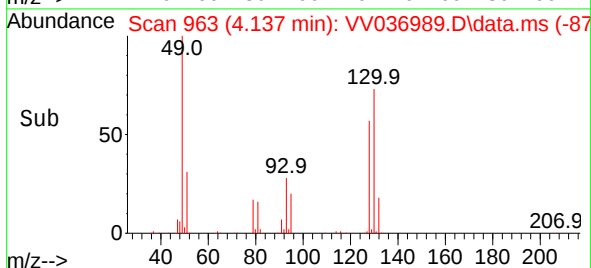
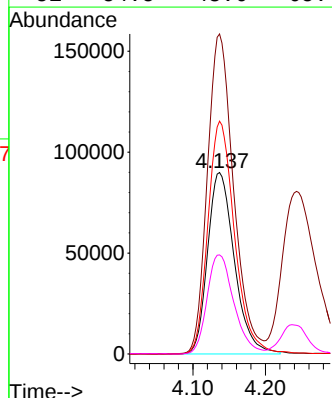
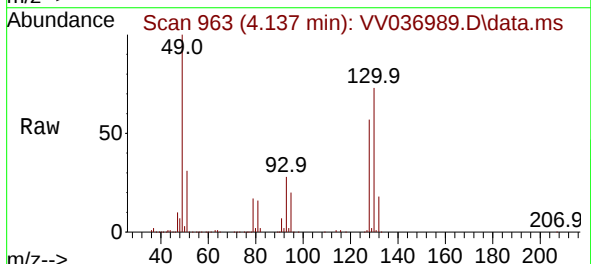
Instrument :
MSVOA_V
ClientSampleId :

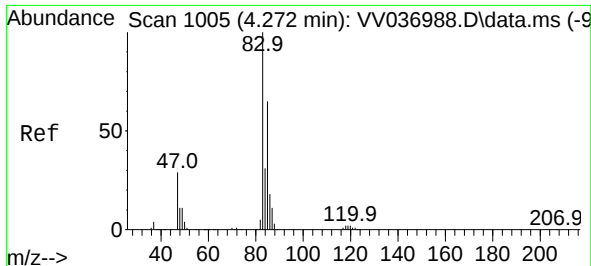
Tgt Ion: 43 Resp: 251596
Ion Ratio Lower Upper
43 100
72 22.8 0.0 0.0#



#23
Bromochloromethane
Concen: 49.911 ug/L
RT: 4.137 min Scan# 963
Delta R.T. -0.010 min
Lab File: VV036989.D
Acq: 21 Aug 2024 12:02

Tgt Ion:128 Resp: 230839
Ion Ratio Lower Upper
128 100
49 176.3 119.8 222.6
130 128.3 89.2 165.6
51 54.5 43.6 65.4





#25

Chloroform

Concen: 48.453 ug/L

RT: 4.265 min Scan# 1003

Delta R.T. -0.007 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

Instrument :

MSVOA_V

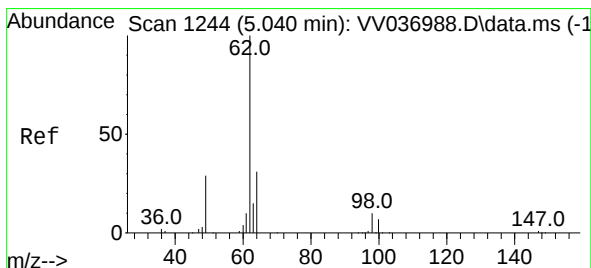
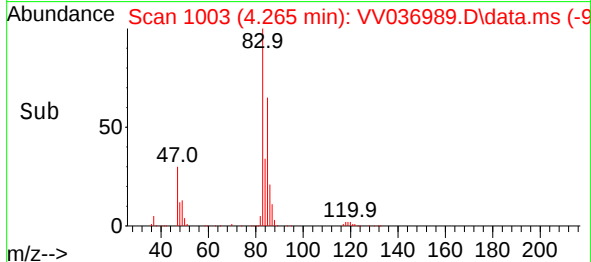
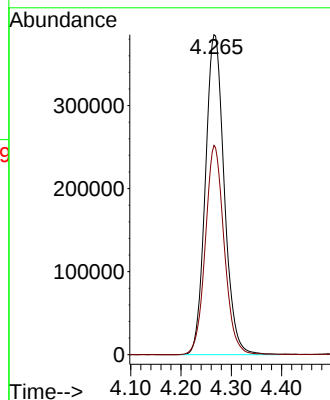
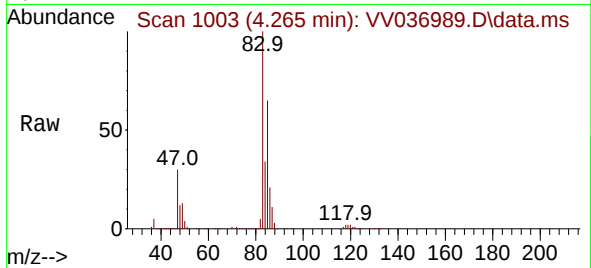
ClientSampleId :

Tgt Ion: 83 Resp: 1004400

Ion Ratio Lower Upper

83 100

85 65.4 45.8 85.2



#27

1,2-Dichloroethane

Concen: 50.823 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.007 min

Lab File: VV036989.D

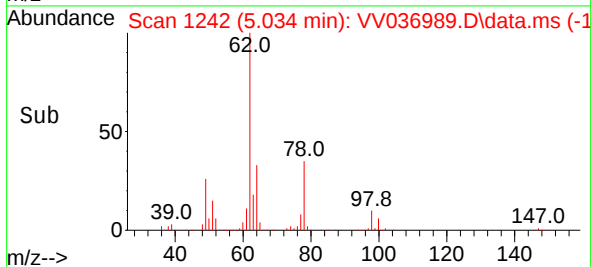
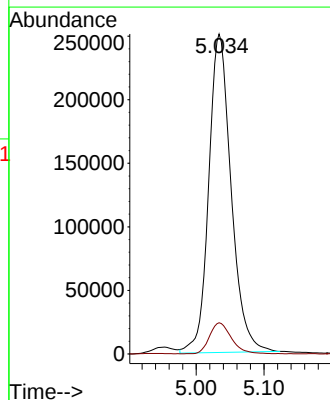
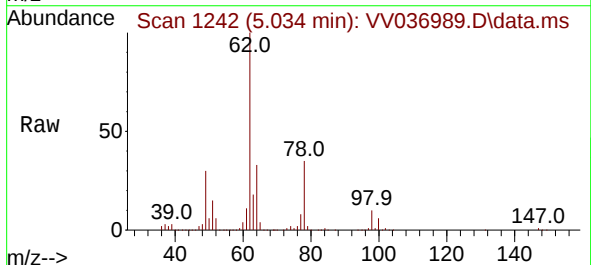
Acq: 21 Aug 2024 12:02

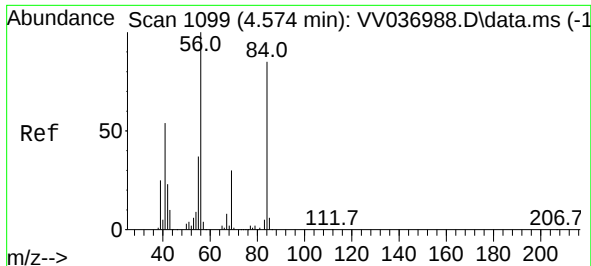
Tgt Ion: 62 Resp: 575631

Ion Ratio Lower Upper

62 100

98 9.7 8.1 12.1





#29

Cyclohexane

Concen: 47.707 ug/L

RT: 4.568 min Scan# 1097

Delta R.T. -0.007 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

Instrument :

MSVOA_V

ClientSampleId :

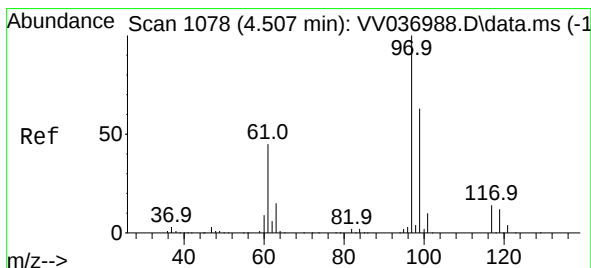
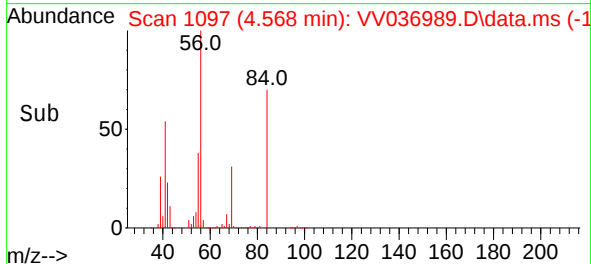
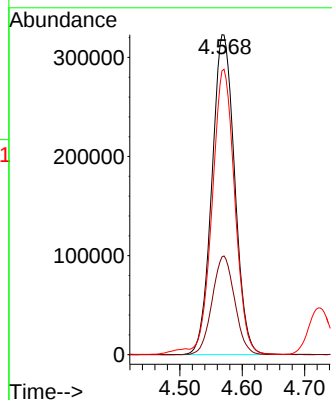
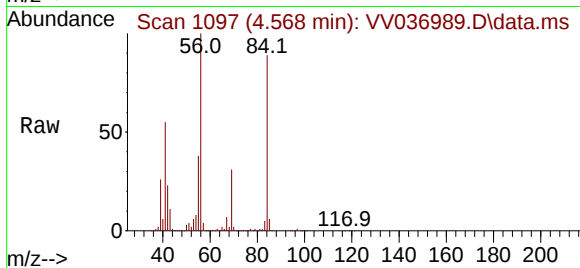
Tgt Ion: 56 Resp: 817473

Ion Ratio Lower Upper

56 100

69 30.5 24.6 37.0

84 88.1 70.1 105.1



#30

1,1,1-Trichloroethane

Concen: 48.344 ug/L

RT: 4.500 min Scan# 1076

Delta R.T. -0.007 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

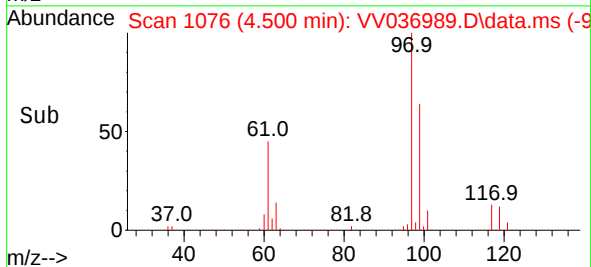
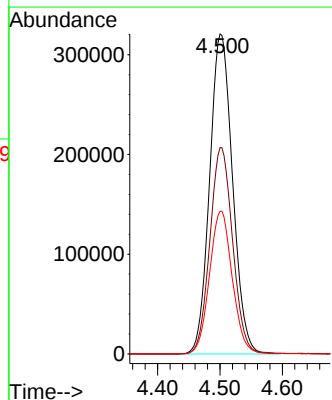
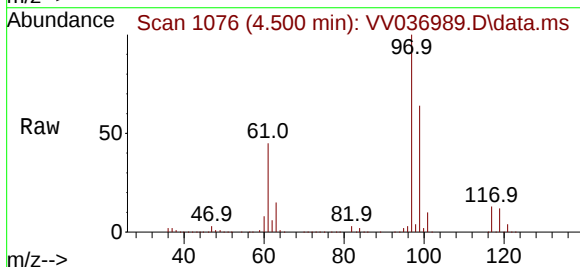
Tgt Ion: 97 Resp: 820086

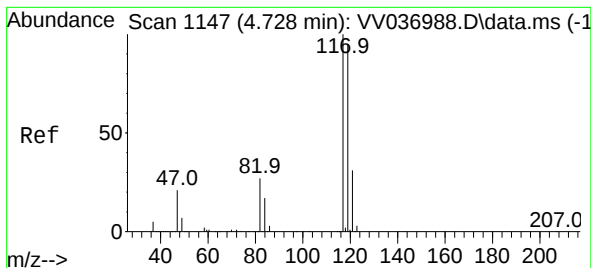
Ion Ratio Lower Upper

97 100

99 64.1 51.2 76.8

61 44.5 36.2 54.2





#31

Carbon tetrachloride

Concen: 49.237 ug/L

RT: 4.722 min Scan# 1145

Delta R.T. -0.007 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

Instrument :

MSVOA_V

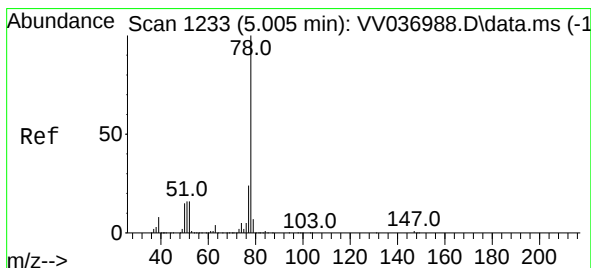
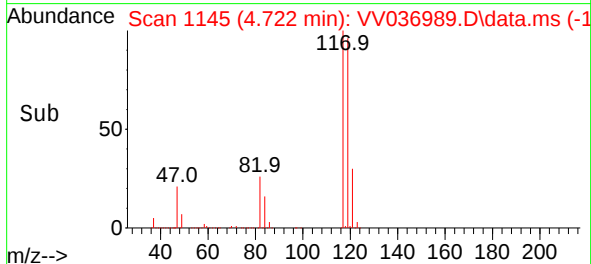
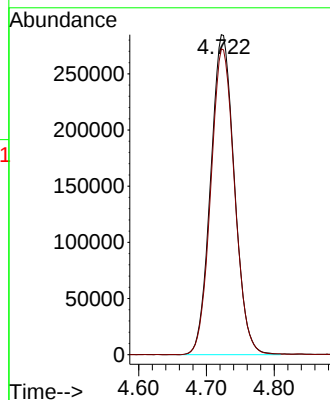
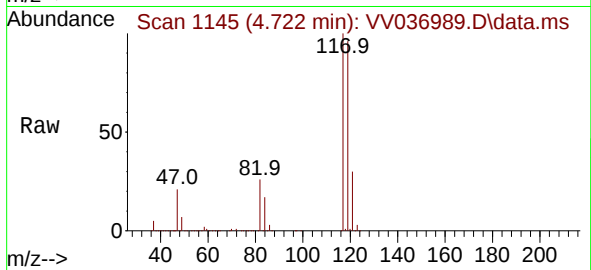
ClientSampleId :

Tgt Ion:117 Resp: 693084

Ion Ratio Lower Upper

117 100

119 95.9 76.9 115.3



#33

Benzene

Concen: 49.150 ug/L

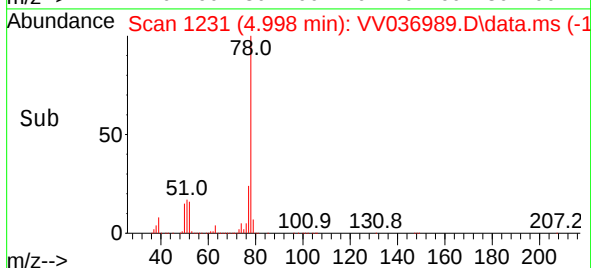
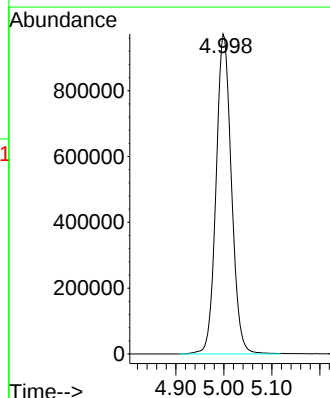
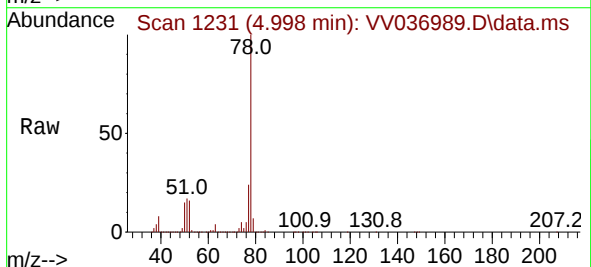
RT: 4.998 min Scan# 1231

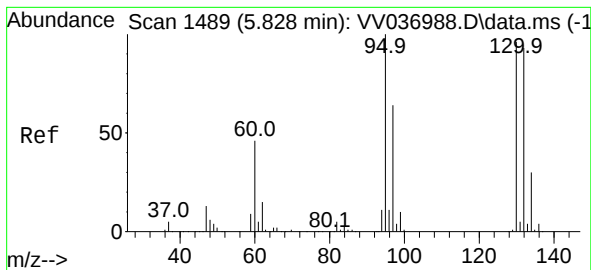
Delta R.T. -0.007 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

Tgt Ion: 78 Resp: 2165920





#34

Trichloroethene

Concen: 48.497 ug/L

RT: 5.822 min Scan# 1489

Delta R.T. -0.007 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 606852

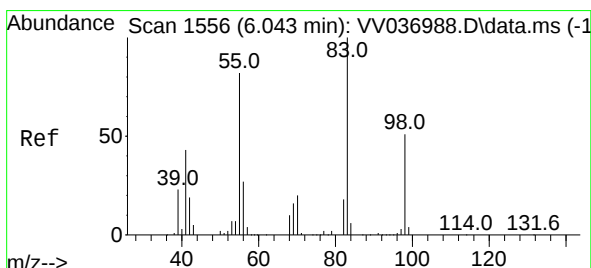
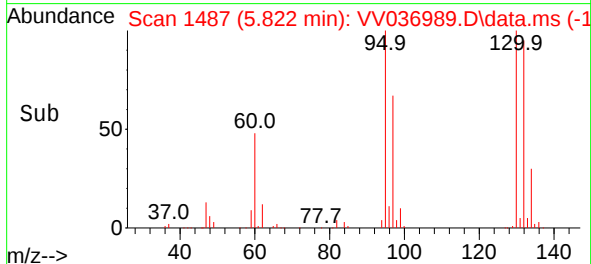
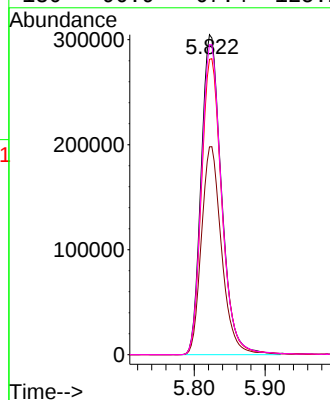
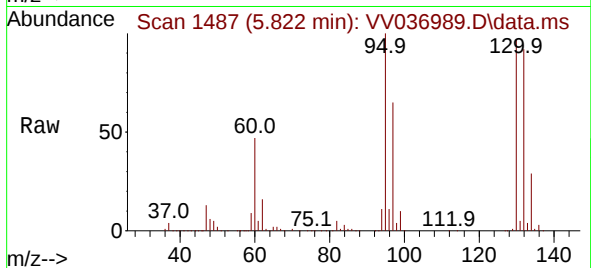
Ion Ratio Lower Upper

95 100

97 64.9 44.8 83.2

132 92.3 64.8 120.4

130 96.9 67.4 125.2



#35

Methylcyclohexane

Concen: 48.015 ug/L

RT: 6.040 min Scan# 1555

Delta R.T. -0.003 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

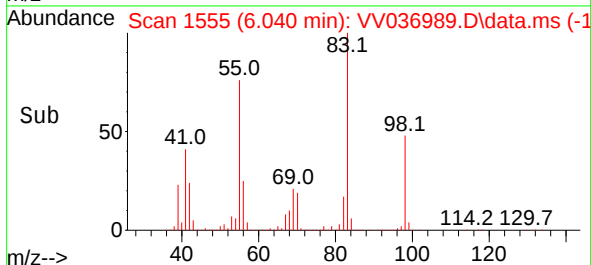
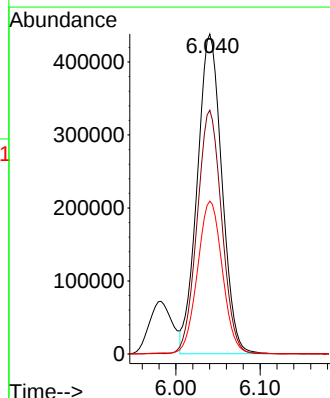
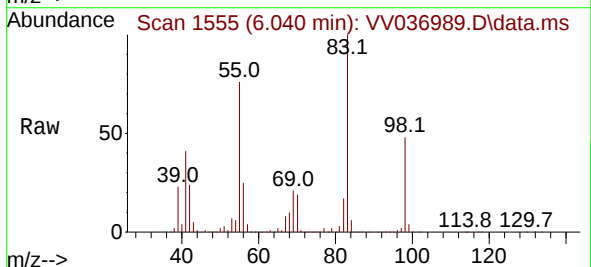
Tgt Ion: 83 Resp: 890694

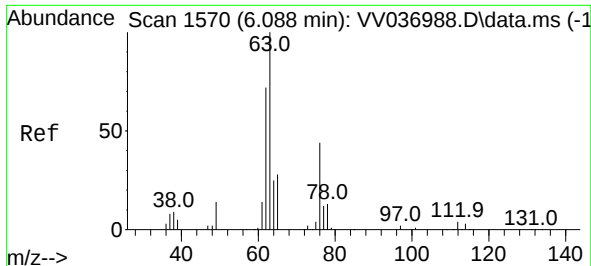
Ion Ratio Lower Upper

83 100

55 75.9 61.3 91.9

98 48.5 38.6 57.8

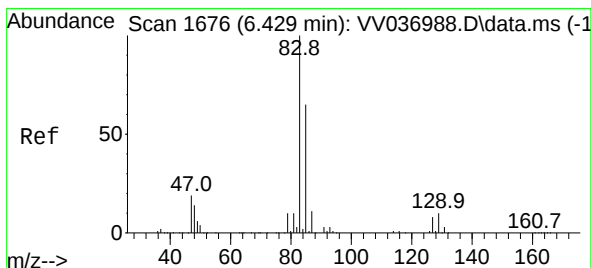
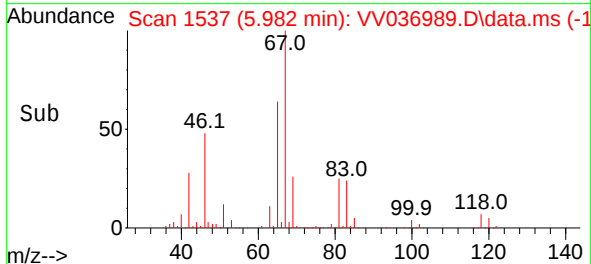
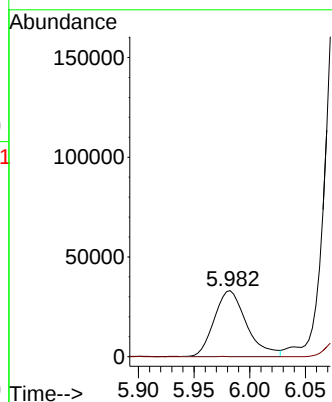
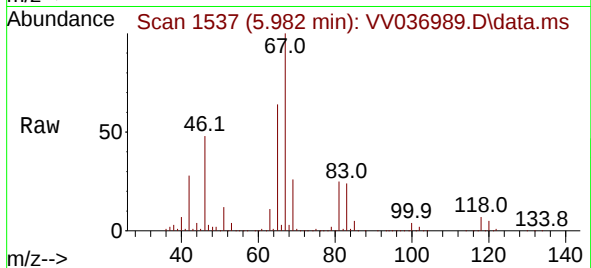




#37
1,2-Dichloropropane
Concen: 6.125 ug/L
RT: 5.982 min Scan# 11
Delta R.T. -0.106 min
Lab File: VV036989.D
Acq: 21 Aug 2024 12:02

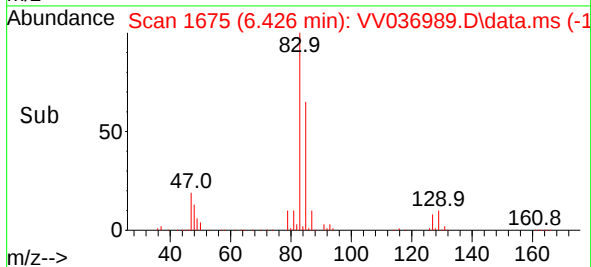
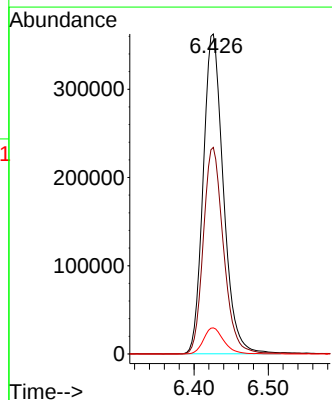
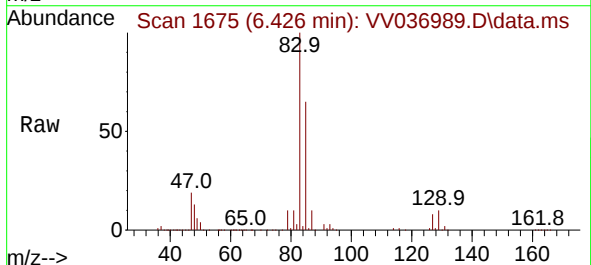
Instrument :
MSVOA_V
ClientSampleId :

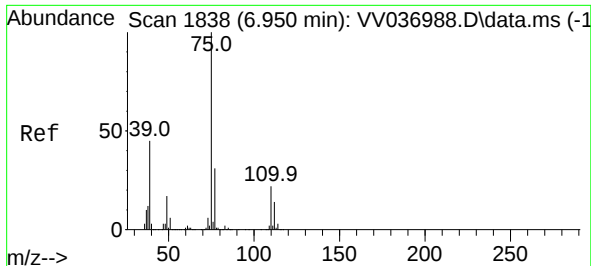
Tgt Ion: 63 Resp: 66704
Ion Ratio Lower Upper
63 100
112 0.1 0.1 0.1



#38
Bromodichloromethane
Concen: 50.374 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. -0.003 min
Lab File: VV036989.D
Acq: 21 Aug 2024 12:02

Tgt Ion: 83 Resp: 685133
Ion Ratio Lower Upper
83 100
85 64.5 45.6 84.6
127 8.2 6.6 9.8

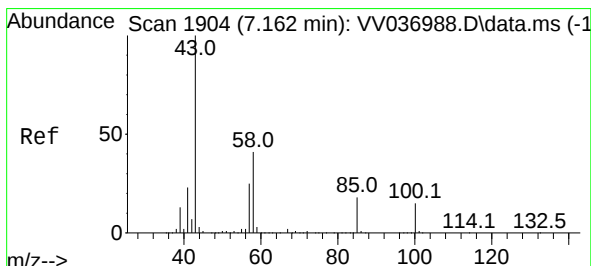
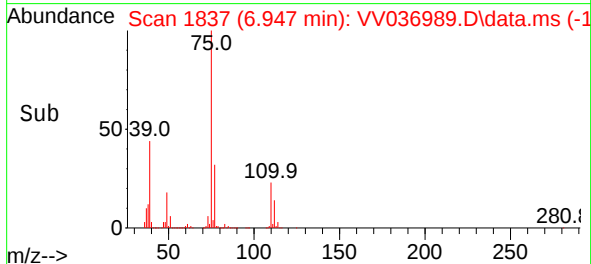
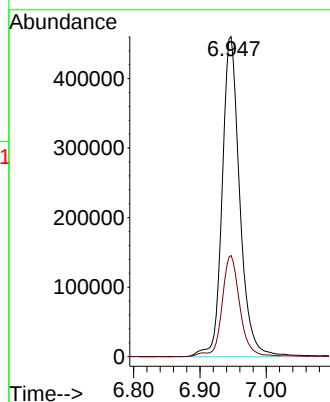
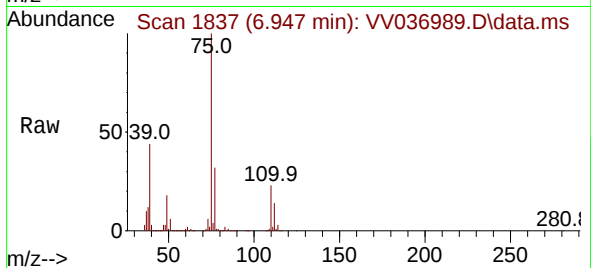




#39
cis-1,3-Dichloropropene
Concen: 51.917 ug/L
RT: 6.947 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV036989.D
Acq: 21 Aug 2024 12:02

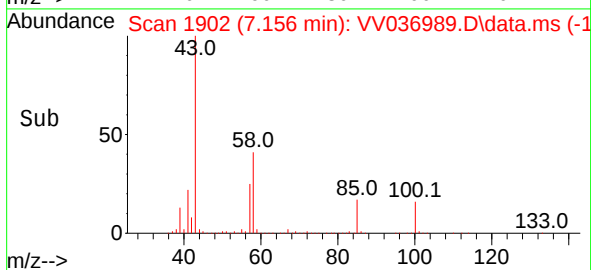
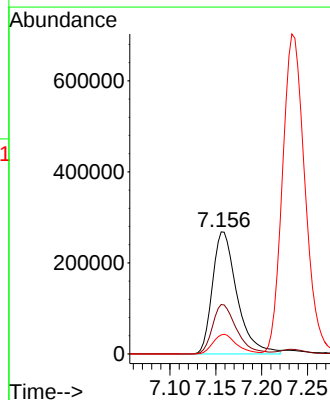
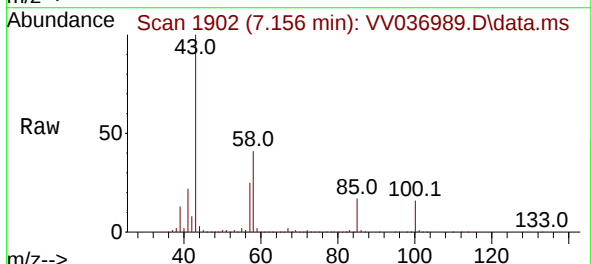
Instrument :
MSVOA_V
ClientSampleId :

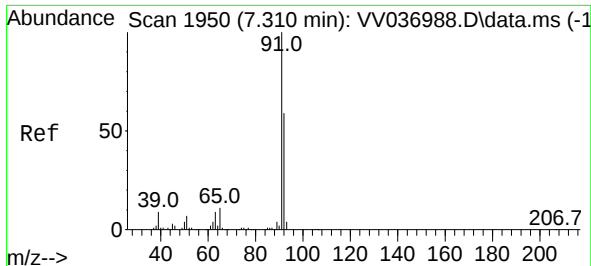
Tgt Ion: 75 Resp: 846275
Ion Ratio Lower Upper
75 100
77 31.6 21.8 40.4



#40
4-Methyl-2-pentanone
Concen: 111.235 ug/L
RT: 7.156 min Scan# 1902
Delta R.T. -0.007 min
Lab File: VV036989.D
Acq: 21 Aug 2024 12:02

Tgt Ion: 43 Resp: 500630
Ion Ratio Lower Upper
43 100
58 39.7 31.5 47.3
100 15.5 12.4 18.6





#42

Toluene

Concen: 49.321 ug/L

RT: 7.307 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

Instrument :

MSVOA_V

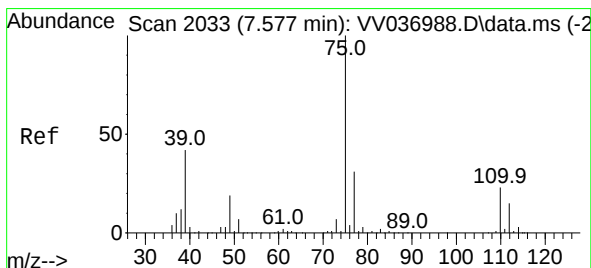
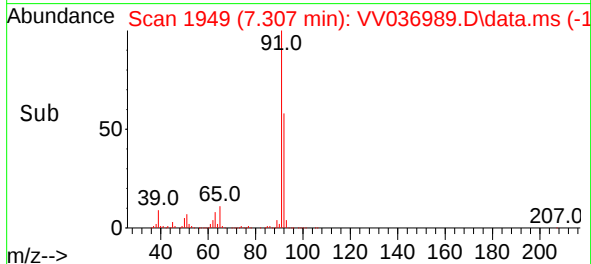
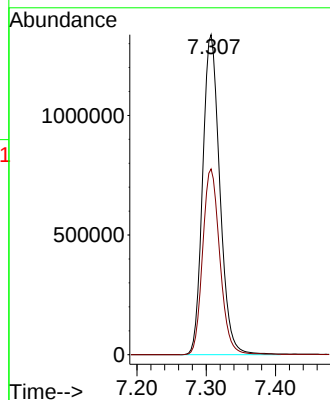
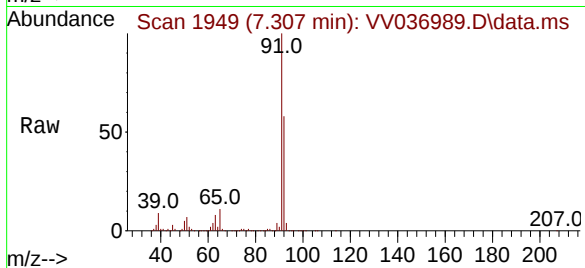
ClientSampleId :

Tgt Ion: 91 Resp: 2299781

Ion Ratio Lower Upper

91 100

92 58.1 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 53.117 ug/L

RT: 7.574 min Scan# 2032

Delta R.T. -0.003 min

Lab File: VV036989.D

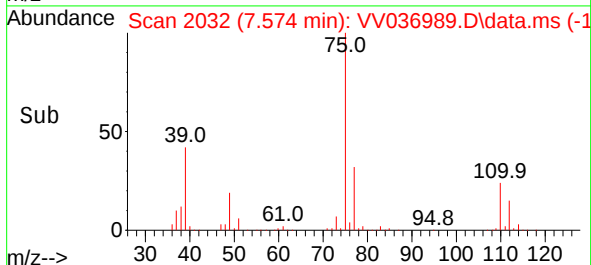
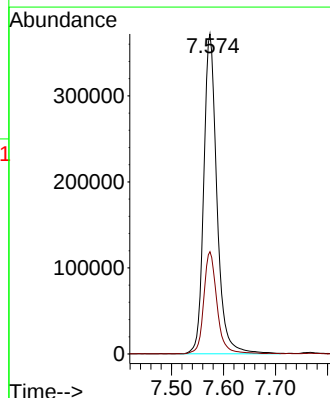
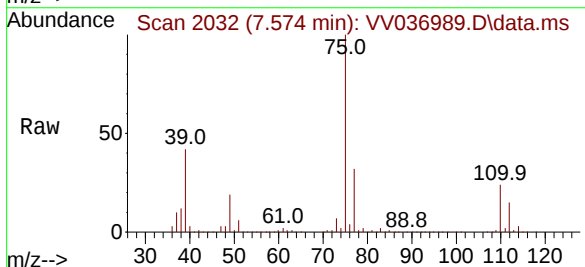
Acq: 21 Aug 2024 12:02

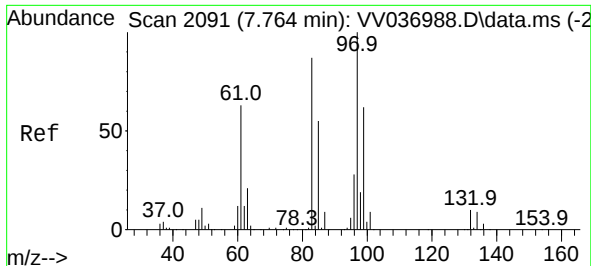
Tgt Ion: 75 Resp: 656533

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.0



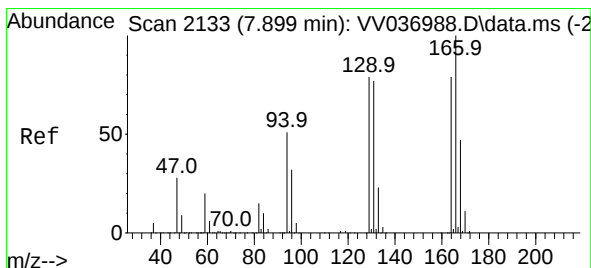
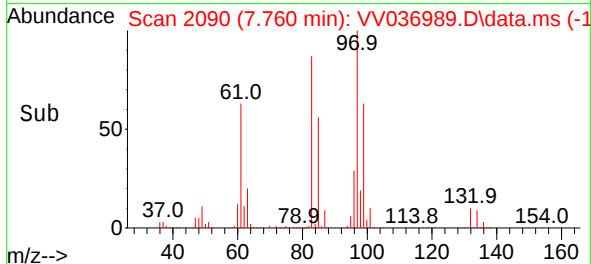
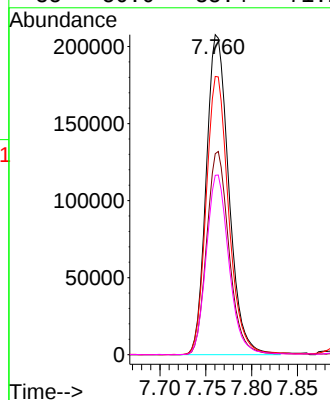
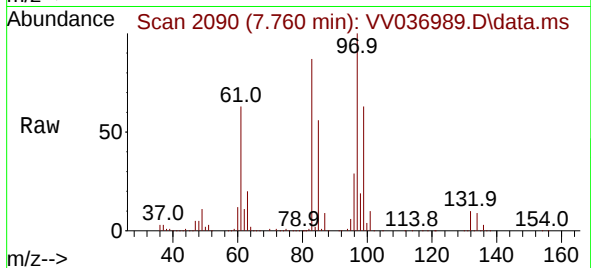


#45
1,1,2-Trichloroethane
Concen: 50.593 ug/L
RT: 7.760 min Scan# 2091
Delta R.T. -0.003 min
Lab File: VV036989.D
Acq: 21 Aug 2024 12:02

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 356768

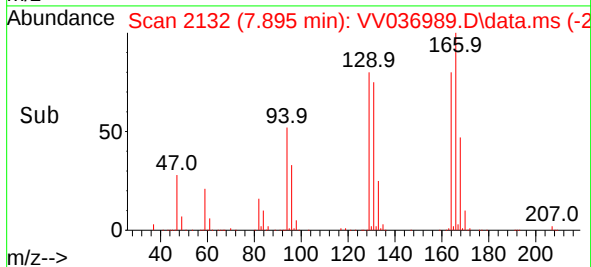
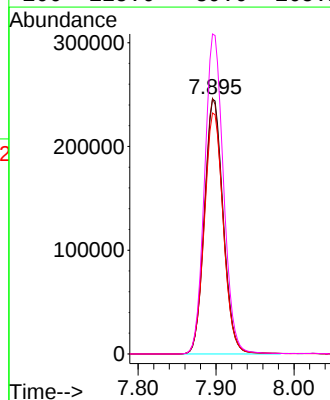
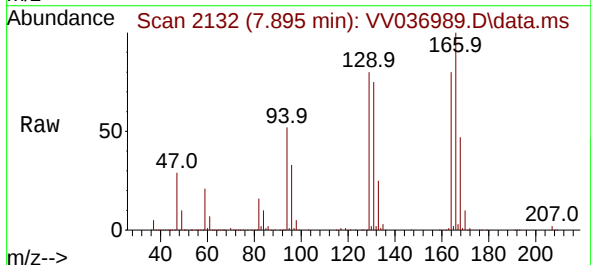
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.6	81.0
83	86.9	61.1	113.5
85	56.0	38.4	71.2

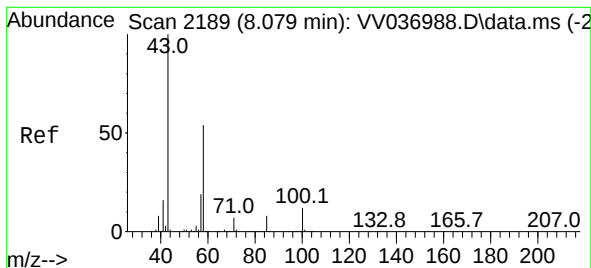


#46
Tetrachloroethene
Concen: 46.928 ug/L
RT: 7.895 min Scan# 2132
Delta R.T. -0.003 min
Lab File: VV036989.D
Acq: 21 Aug 2024 12:02

Tgt Ion: 164 Resp: 410081

Ion	Ratio	Lower	Upper
164	100		
129	100.3	70.8	131.4
131	94.6	68.1	126.5
166	125.6	89.0	165.2





#48

2-Hexanone

Concen: 115.203 ug/L

RT: 8.075 min Scan# 2189

Delta R.T. -0.003 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 390798

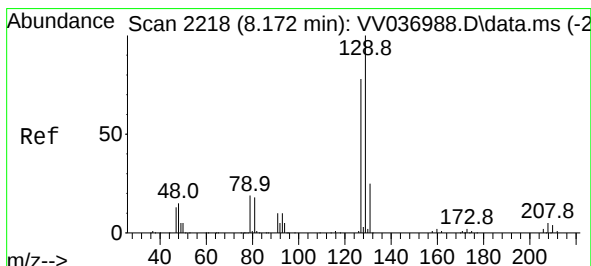
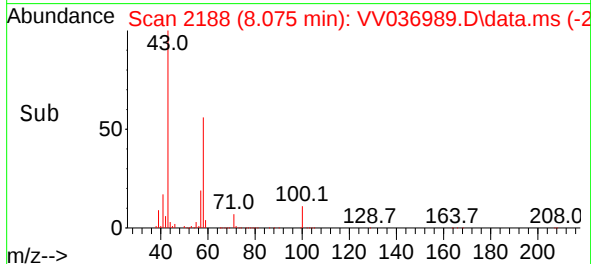
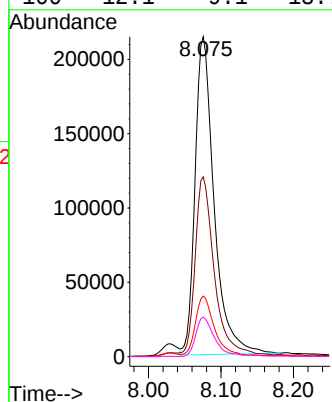
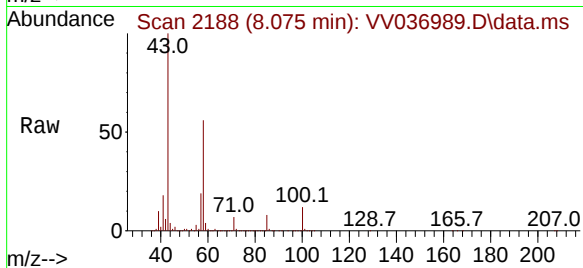
Ion Ratio Lower Upper

43 100

58 56.1 45.0 67.6

57 18.2 13.3 19.9

100 12.1 9.1 13.7



#49

Dibromochloromethane

Concen: 51.679 ug/L

RT: 8.169 min Scan# 2217

Delta R.T. -0.003 min

Lab File: VV036989.D

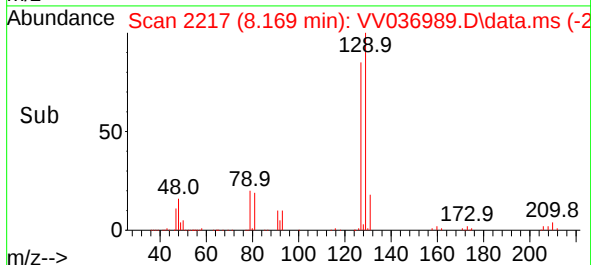
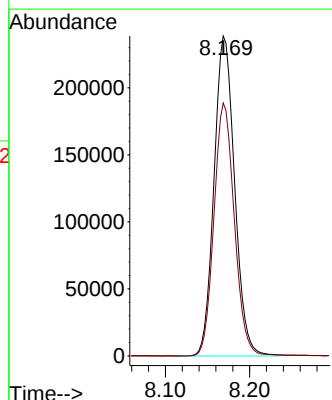
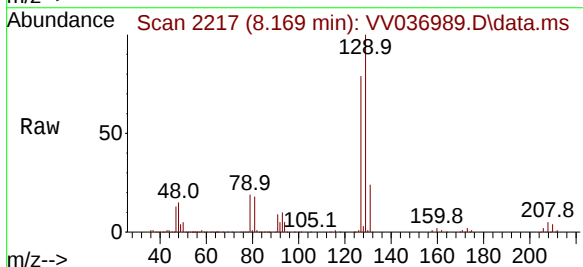
Acq: 21 Aug 2024 12:02

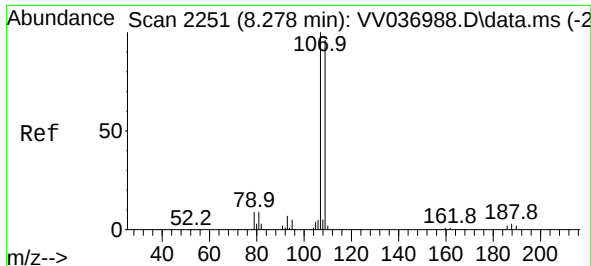
Tgt Ion: 129 Resp: 405107

Ion Ratio Lower Upper

129 100

127 79.0 54.9 101.9





#50

1,2-Dibromoethane

Concen: 50.961 ug/L

RT: 8.275 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV036989.D

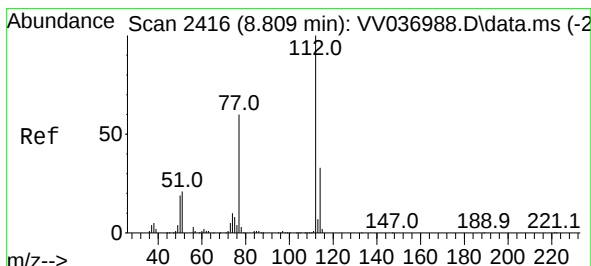
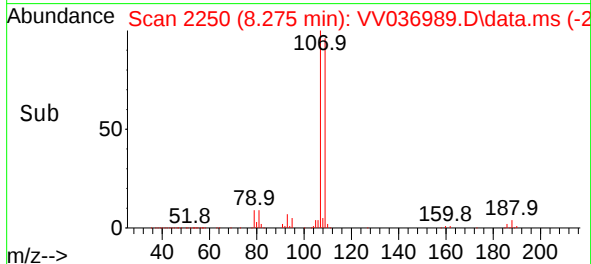
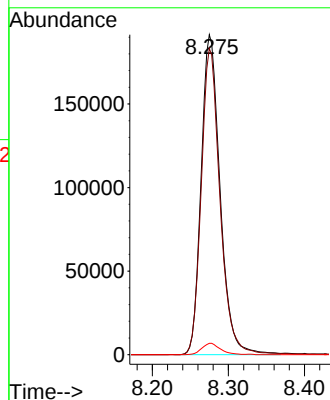
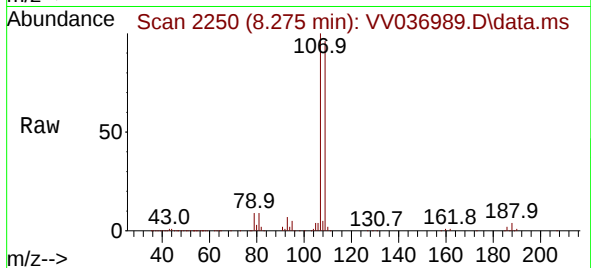
Acq: 21 Aug 2024 12:02

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	332001
Ion	Ratio	Lower	Upper
107	100		
109	95.7	67.1	124.7
188	3.5	2.5	3.7



#51

Chlorobenzene

Concen: 48.927 ug/L

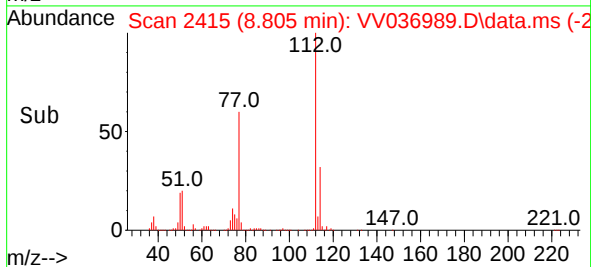
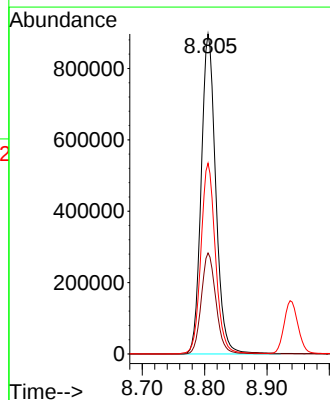
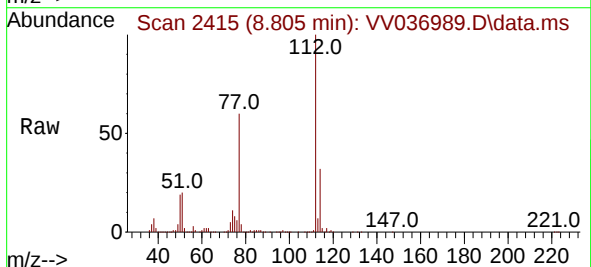
RT: 8.805 min Scan# 2415

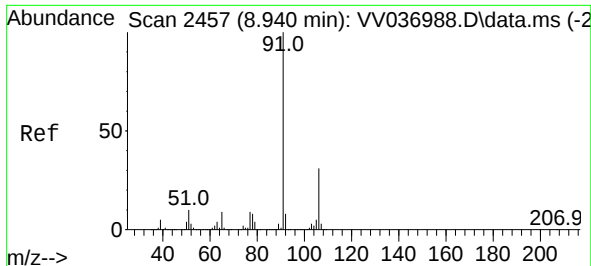
Delta R.T. -0.003 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

Tgt Ion:	112	Resp:	1456592
Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.8	42.4
77	59.6	47.8	71.8





#52

Ethylbenzene

Concen: 49.516 ug/L

RT: 8.937 min Scan# 2456

Delta R.T. -0.003 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

Instrument :

MSVOA_V

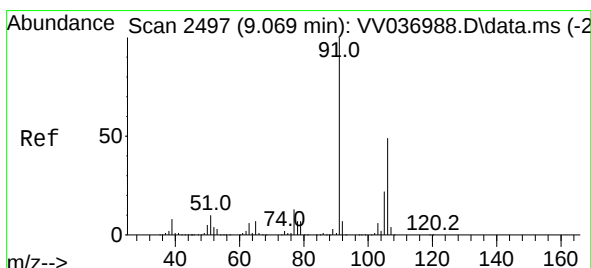
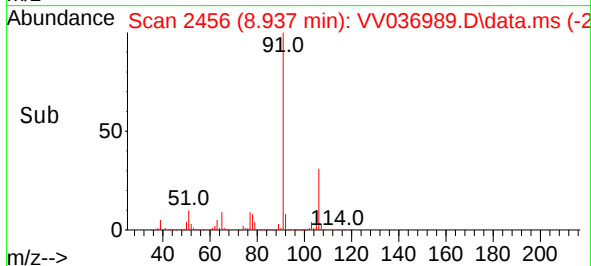
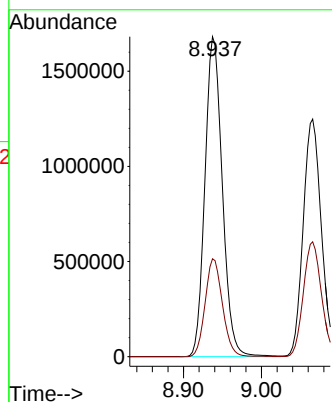
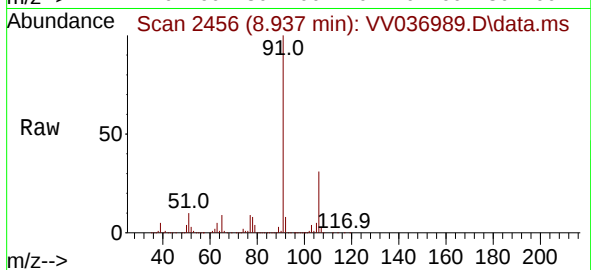
ClientSampleId :

Tgt Ion: 91 Resp: 2608091

Ion Ratio Lower Upper

91 100

106 30.6 21.3 39.6



#53

m,p-Xylene

Concen: 50.278 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. -0.003 min

Lab File: VV036989.D

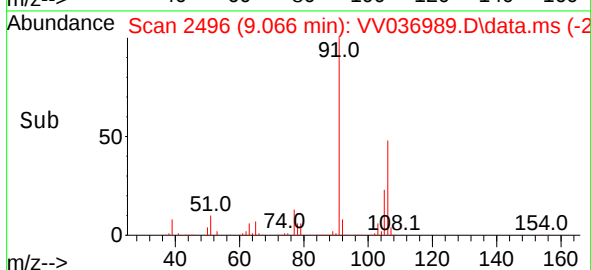
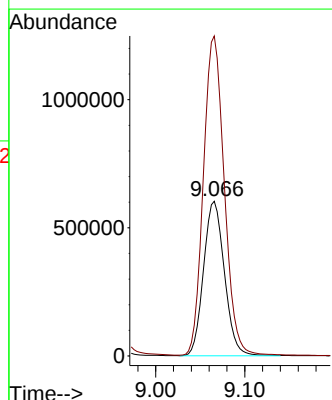
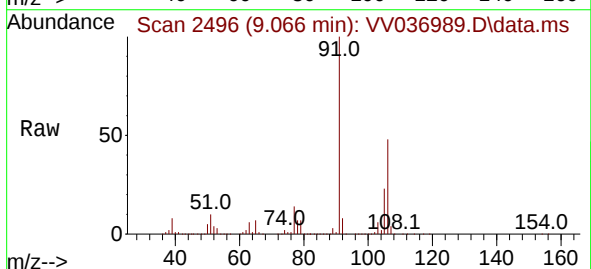
Acq: 21 Aug 2024 12:02

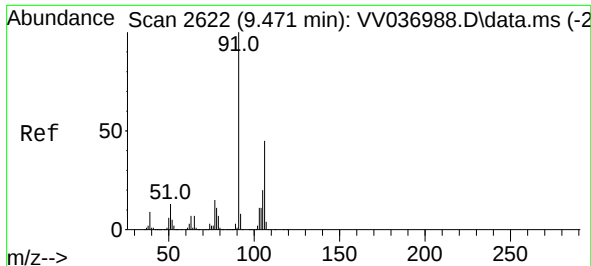
Tgt Ion:106 Resp: 979448

Ion Ratio Lower Upper

106 100

91 206.9 142.5 264.6





#54

o-Xylene

Concen: 50.547 ug/L

RT: 9.471 min Scan# 2622

Delta R.T. -0.000 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

Instrument :

MSVOA_V

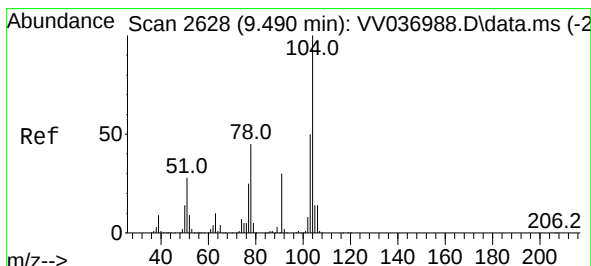
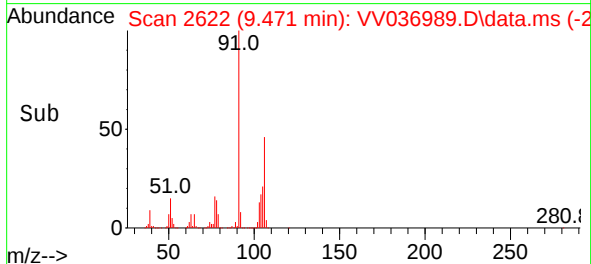
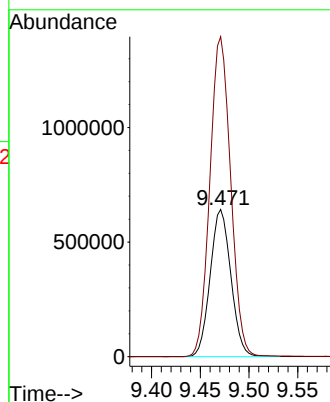
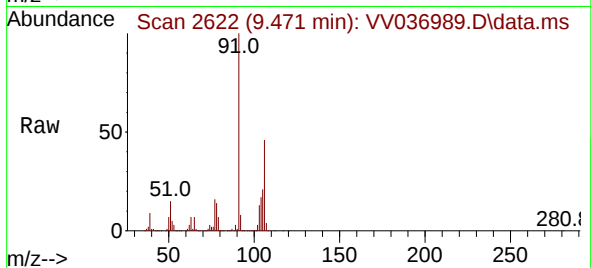
ClientSampleId :

Tgt Ion:106 Resp: 948341

Ion Ratio Lower Upper

106 100

91 217.4 154.2 286.4



#55

Styrene

Concen: 51.632 ug/L

RT: 9.487 min Scan# 2627

Delta R.T. -0.003 min

Lab File: VV036989.D

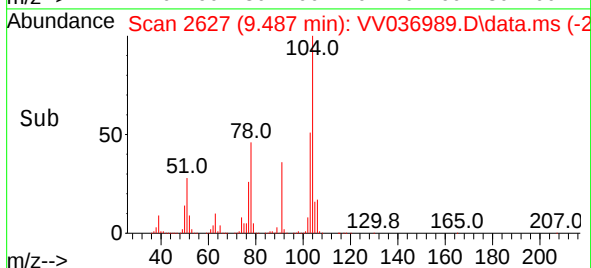
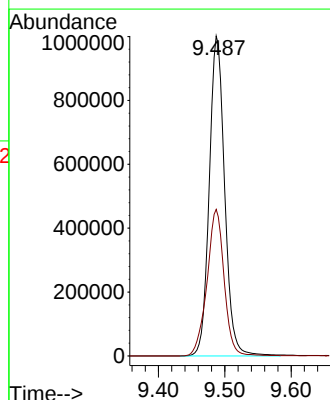
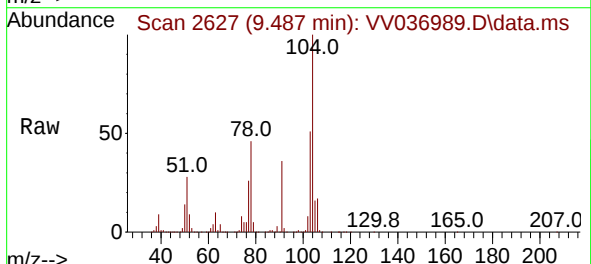
Acq: 21 Aug 2024 12:02

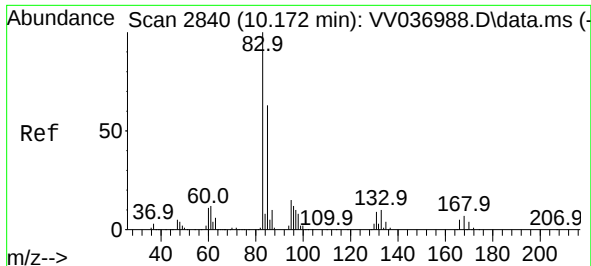
Tgt Ion:104 Resp: 1617207

Ion Ratio Lower Upper

104 100

78 45.8 31.2 58.0





#57

1,1,2,2-Tetrachloroethane

Concen: 51.239 ug/L

RT: 10.172 min Scan# 2840

Delta R.T. -0.000 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

Instrument :

MSVOA_V

ClientSampleId :

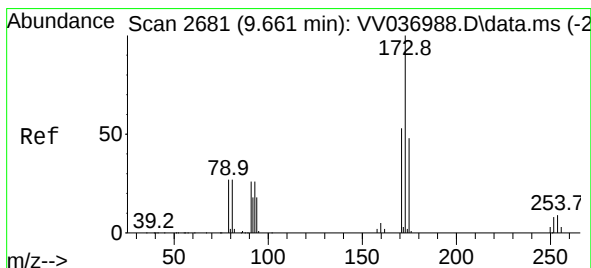
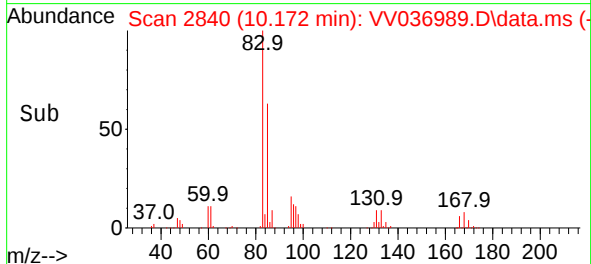
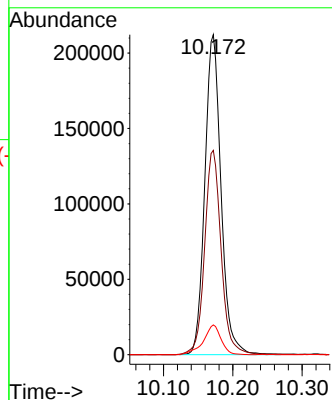
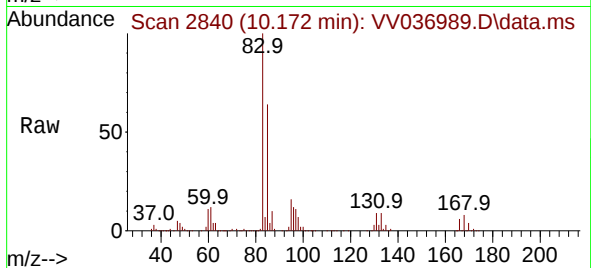
Tgt Ion: 83 Resp: 344870

Ion Ratio Lower Upper

83 100

85 63.8 44.3 82.3

131 9.3 7.2 10.8



#59

Bromoform

Concen: 51.533 ug/L

RT: 9.657 min Scan# 2680

Delta R.T. -0.003 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

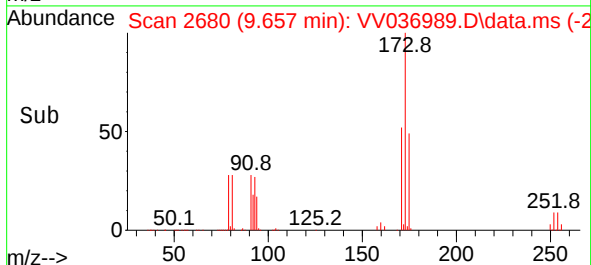
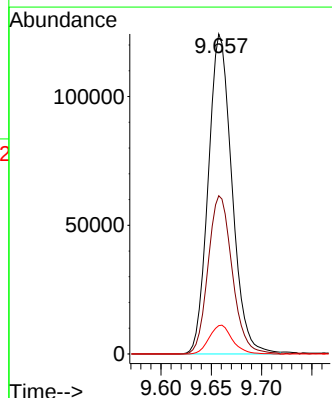
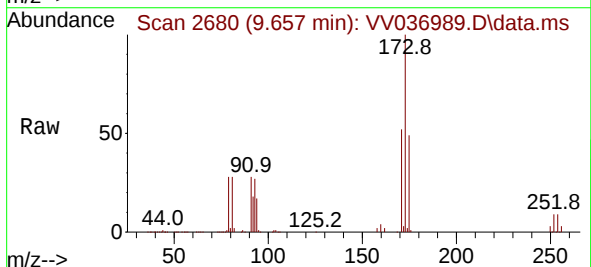
Tgt Ion: 173 Resp: 203816

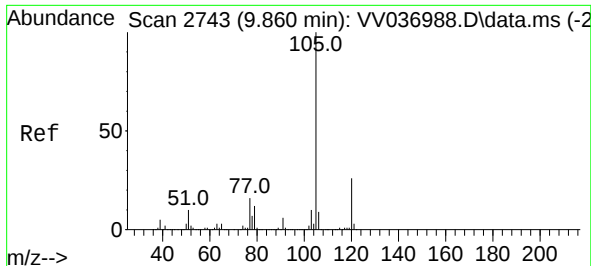
Ion Ratio Lower Upper

173 100

175 50.2 39.4 59.0

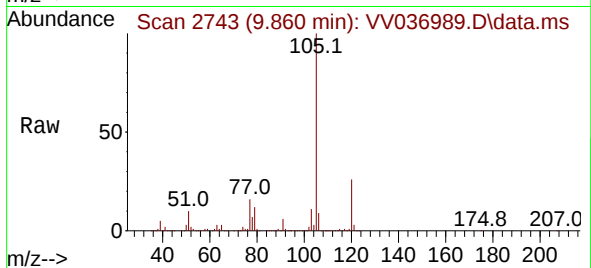
254 8.8 6.6 10.0



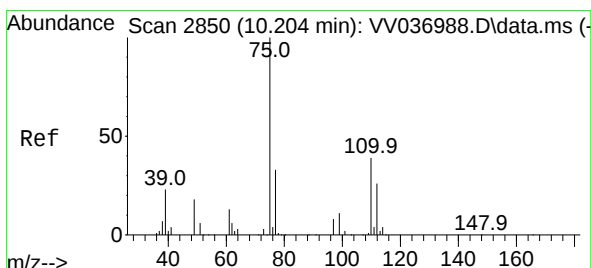
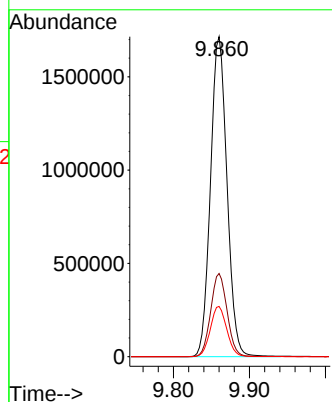
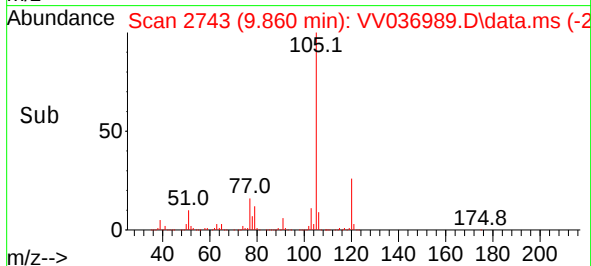


#60
Isopropylbenzene
Concen: 49.731 ug/L
RT: 9.860 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV036989.D
Acq: 21 Aug 2024 12:02

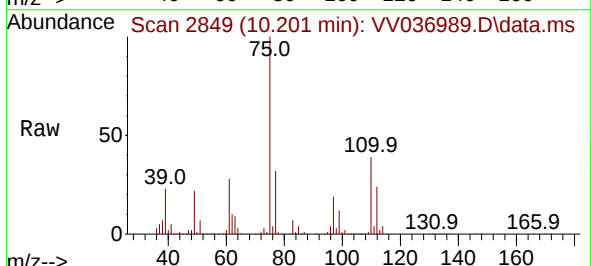
Instrument :
MSVOA_V
ClientSampleId :



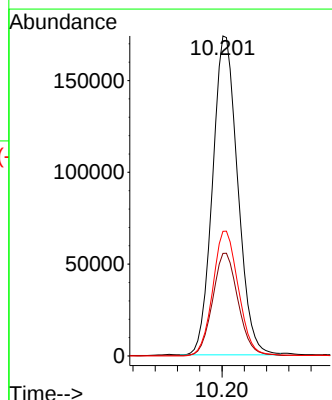
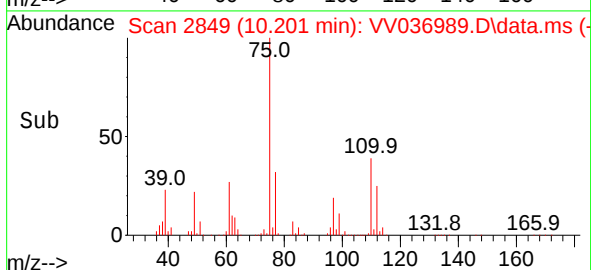
Tgt Ion:105 Resp: 2582617
Ion Ratio Lower Upper
105 100
120 25.9 20.3 30.5
77 15.6 12.6 19.0

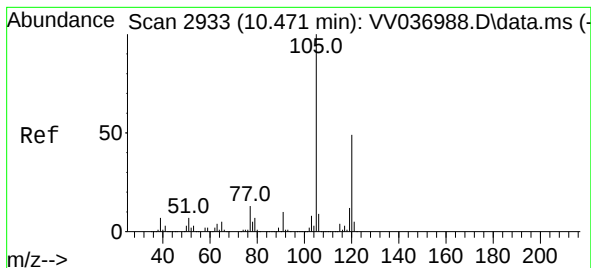


#61
1,2,3-Trichloropropane
Concen: 50.245 ug/L
RT: 10.201 min Scan# 2849
Delta R.T. -0.003 min
Lab File: VV036989.D
Acq: 21 Aug 2024 12:02



Tgt Ion: 75 Resp: 272165
Ion Ratio Lower Upper
75 100
77 32.3 26.2 39.4
110 40.1 31.4 47.2





#62

1,3,5-Trimethylbenzene

Concen: 50.296 ug/L

RT: 10.468 min Scan# 2932

Delta R.T. -0.003 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

Instrument :

MSVOA_V

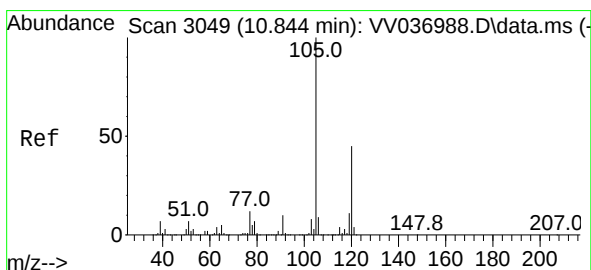
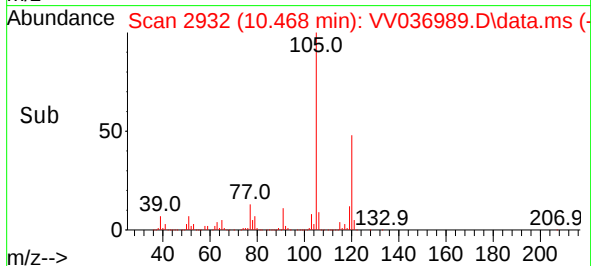
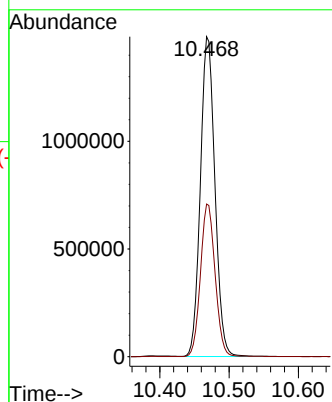
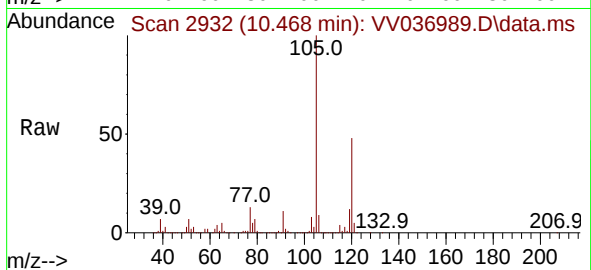
ClientSampleId :

Tgt Ion:105 Resp: 2164878

Ion Ratio Lower Upper

105 100

120 47.9 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 50.462 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VV036989.D

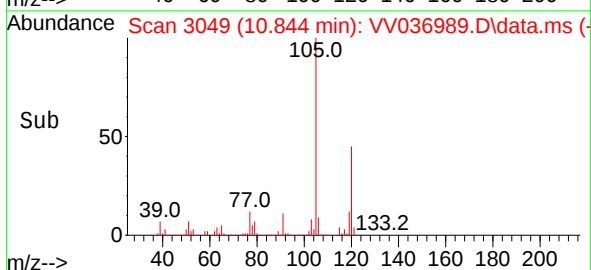
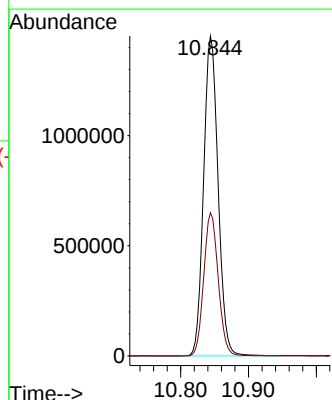
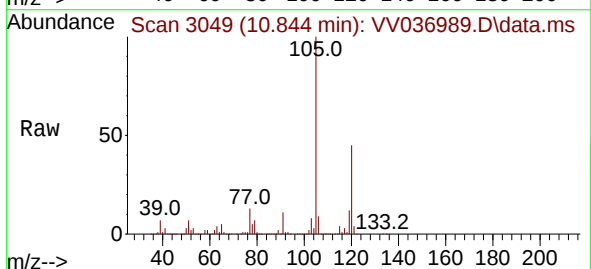
Acq: 21 Aug 2024 12:02

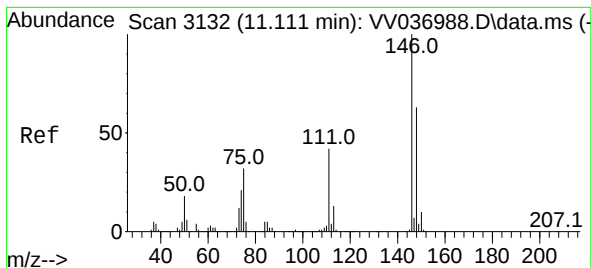
Tgt Ion:105 Resp: 2152099

Ion Ratio Lower Upper

105 100

120 44.8 35.5 53.3





#64

1,3-Dichlorobenzene

Concen: 48.143 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. -0.000 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

Instrument :

MSVOA_V

ClientSampleId :

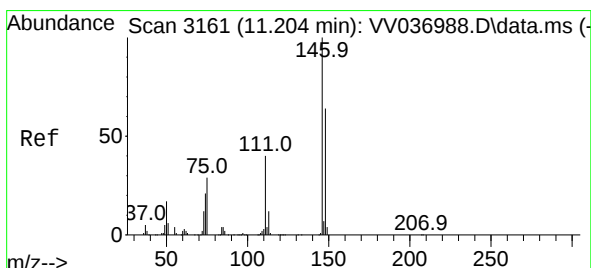
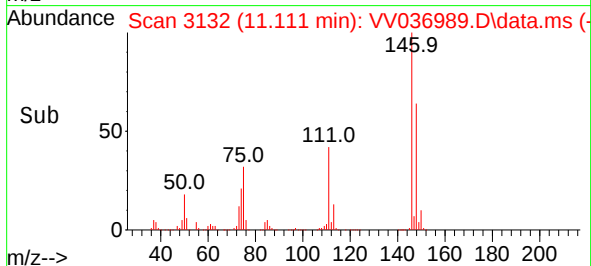
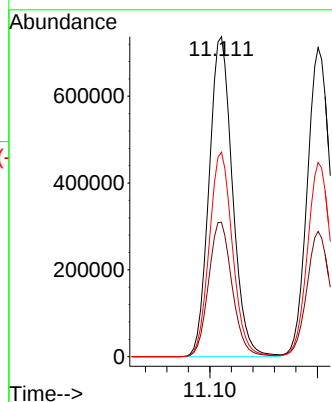
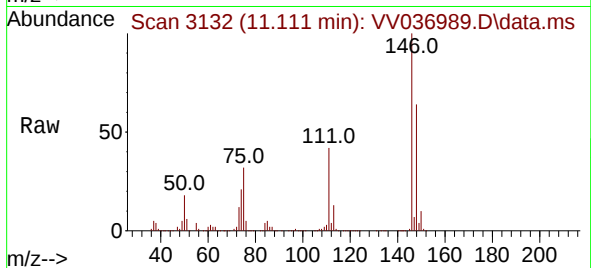
Tgt Ion:146 Resp: 1113708

Ion Ratio Lower Upper

146 100

111 42.0 29.3 54.3

148 63.9 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 48.266 ug/L

RT: 11.201 min Scan# 3160

Delta R.T. -0.003 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

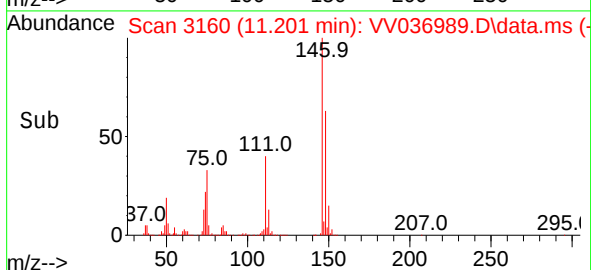
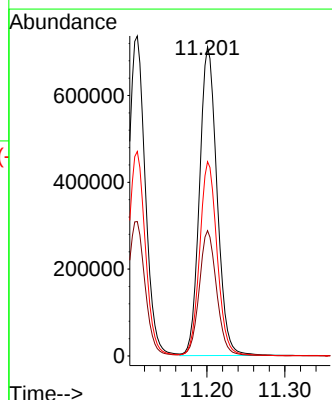
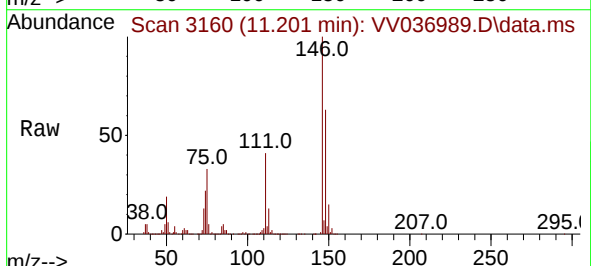
Tgt Ion:146 Resp: 1110323

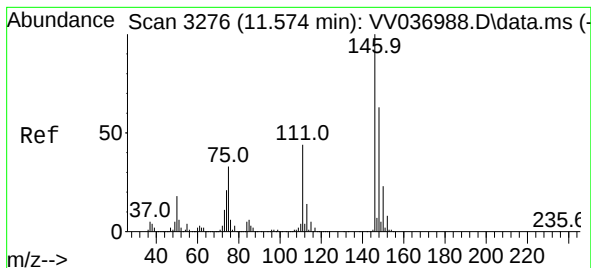
Ion Ratio Lower Upper

146 100

111 40.5 28.1 52.1

148 62.8 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 49.198 ug/L

RT: 11.570 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

Instrument :

MSVOA_V

ClientSampleId :

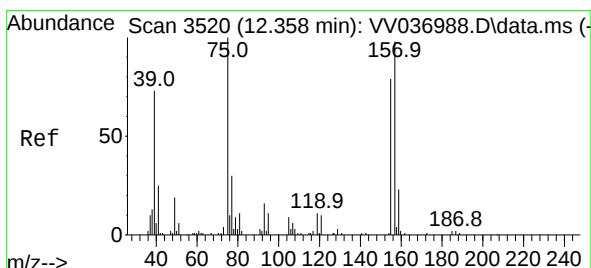
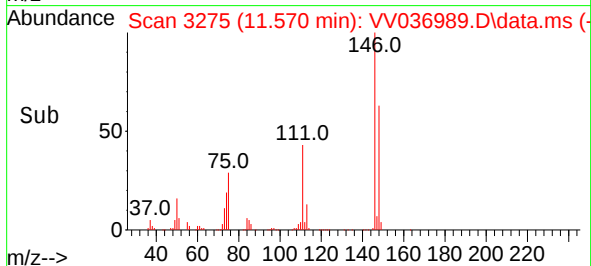
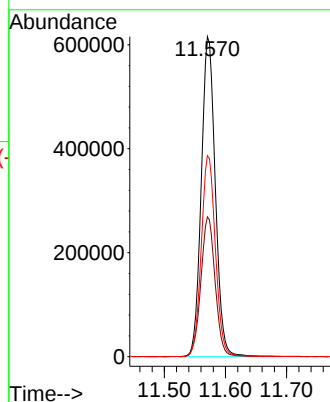
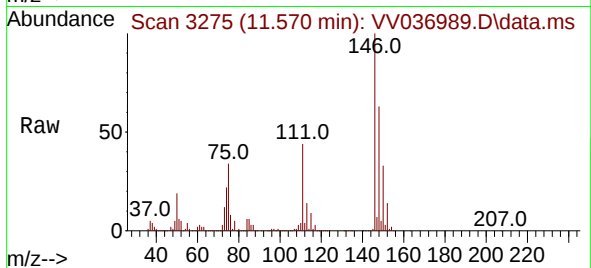
Tgt Ion:146 Resp: 979575

Ion Ratio Lower Upper

146 100

111 43.7 35.2 52.8

148 62.8 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 53.724 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. -0.000 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

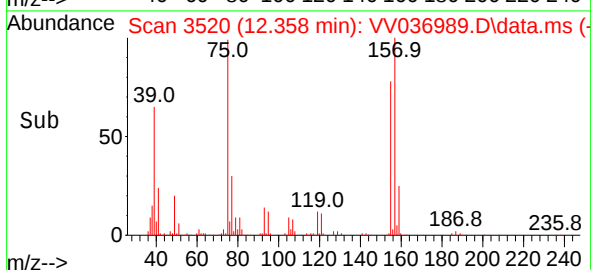
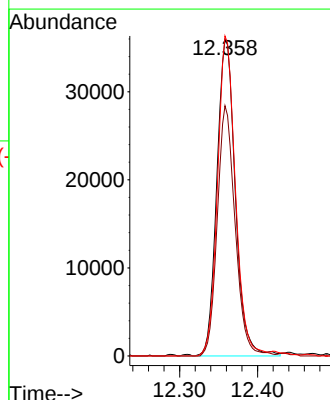
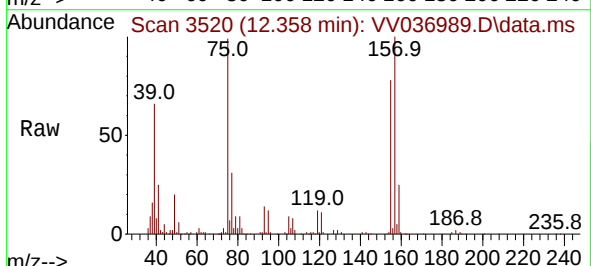
Tgt Ion: 75 Resp: 59267

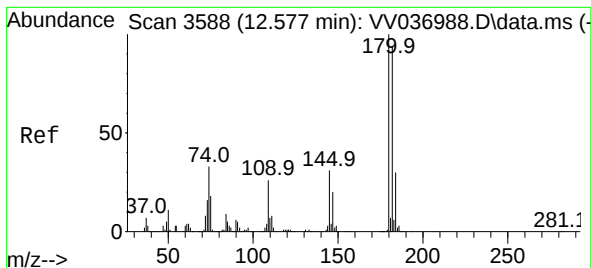
Ion Ratio Lower Upper

75 100

155 79.1 63.0 94.4

157 101.1 78.7 118.1





#69

1,3,5-Trichlorobenzene

Concen: 49.457 ug/L

RT: 12.574 min Scan# 3588

Delta R.T. -0.003 min

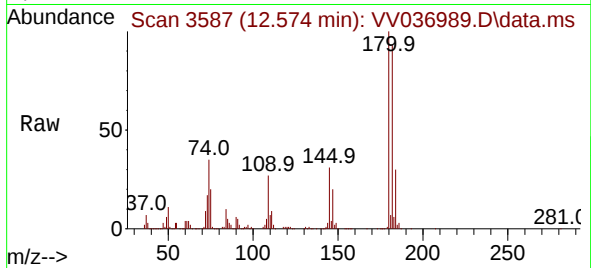
Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 795172

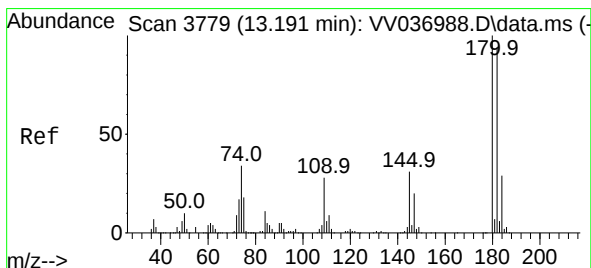
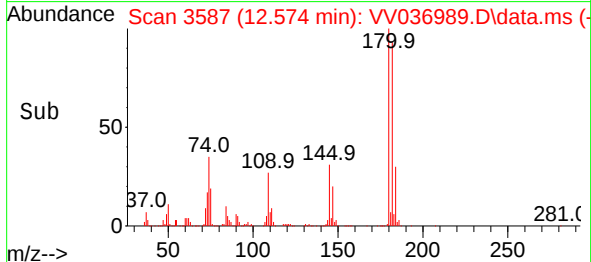
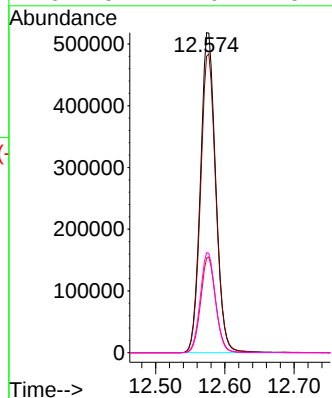
Ion Ratio Lower Upper

180 100

182 93.7 75.4 113.0

184 29.4 23.9 35.9

145 31.1 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 50.346 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. -0.000 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

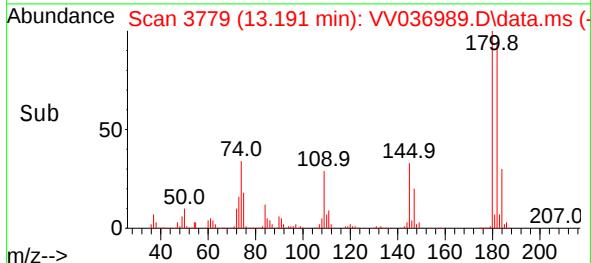
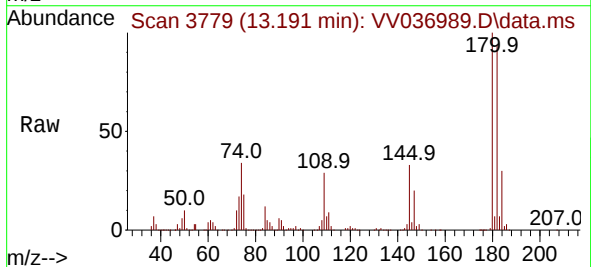
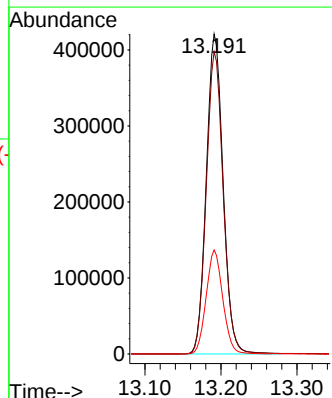
Tgt Ion:180 Resp: 647156

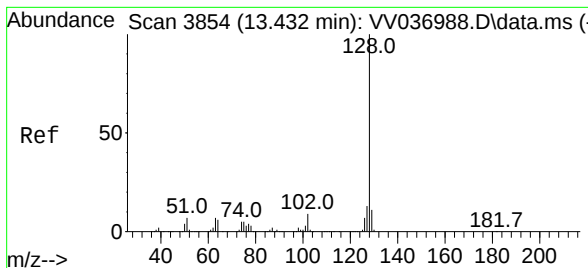
Ion Ratio Lower Upper

180 100

182 95.1 76.6 114.8

145 32.1 25.4 38.2





#71

Naphthalene

Concen: 52.128 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. -0.000 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

Instrument :

MSVOA_V

ClientSampleId :

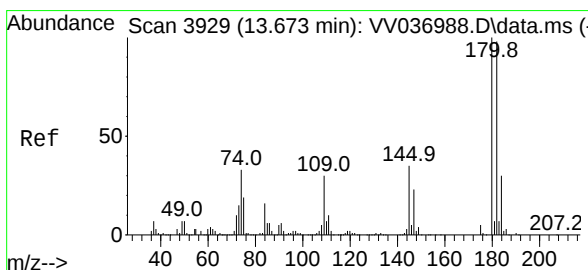
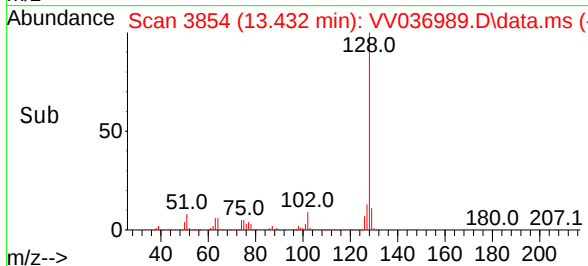
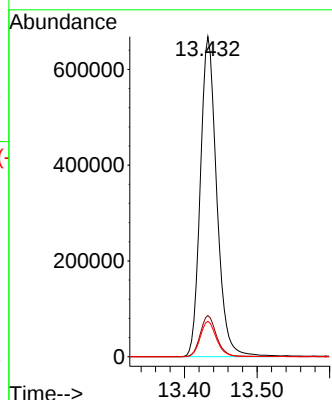
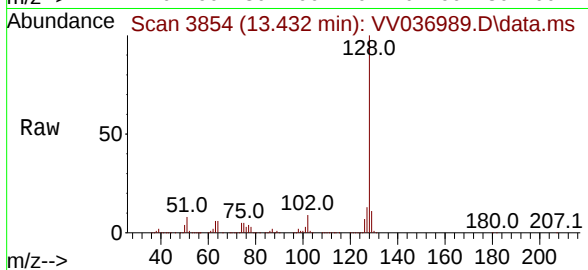
Tgt Ion:128 Resp: 1051913

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 50.620 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. -0.000 min

Lab File: VV036989.D

Acq: 21 Aug 2024 12:02

Tgt Ion:180 Resp: 546159

Ion Ratio Lower Upper

180 100

182 95.3 77.4 116.0

145 34.5 27.9 41.9

