

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081324\
 Data File : VV036924.D
 Acq On : 13 Aug 2024 16:50
 Operator : SY/MD
 Sample : P3589-05MS
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 14 04:13:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 14 04:10:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	680235	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	644543	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	326322	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	167192	30.773	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	61.540%		
7) Chloroethane-d5	1.532	69	155456	36.283	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	72.560%		
11) 1,1-Dichloroethene-d2	2.056	65	76867	33.075	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	66.140%		
21) 2-Butanone-d5	3.796	46	270015	93.799	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.800%		
24) Chloroform-d	4.246	84	424967	43.587	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.180%		
26) 1,2-Dichloroethane-d4	4.940	65	262944	41.945	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.900%		
32) Benzene-d6	4.953	84	762876	39.187	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	78.380%		
36) 1,2-Dichloropropane-d6	5.985	67	267299	42.560	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	85.120%		
41) Toluene-d8	7.239	98	650867	36.447	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	72.900%#		
43) trans-1,3-Dichloroprop...	7.551	79	122262	37.405	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.820%		
47) 2-Hexanone-d5	8.024	63	178416	98.800	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.800%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	360188	49.948	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.900%		
66) 1,2-Dichlorobenzene-d4	11.554	152	286395	43.070	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	277863	51.230	ug/L	100
3) Chloromethane	1.217	50	287672	50.680	ug/L	100
5) Vinyl chloride	1.281	62	297185	50.982	ug/L	97
6) Bromomethane	1.487	94	175897	47.927	ug/L	99
8) Chloroethane	1.548	64	179745	49.781	ug/L	99
9) Trichlorofluoromethane	1.712	101	383790	50.265	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	225962	50.224	ug/L	99
12) 1,1-Dichloroethene	2.069	96	211176	49.145	ug/L	89
13) Acetone	2.114	43	188369	78.210	ug/L	98
14) Carbon disulfide	2.236	76	580052	42.974	ug/L	99
15) Methyl Acetate	2.371	43	223255	44.997	ug/L	99
16) Methylene chloride	2.442	84	245812	50.885	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	223457	50.205	ug/L	100
18) Methyl tert-butyl Ether	2.706	73	772496	49.279	ug/L	99
19) 1,1-Dichloroethane	3.104	63	458382	50.974	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	258433	49.469	ug/L	97
22) 2-Butanone	3.879	43	280560	86.955	ug/L	100
23) Bromochloromethane	4.143	128	129465	51.017	ug/L	99
25) Chloroform	4.272	83	468909	50.769	ug/L	98

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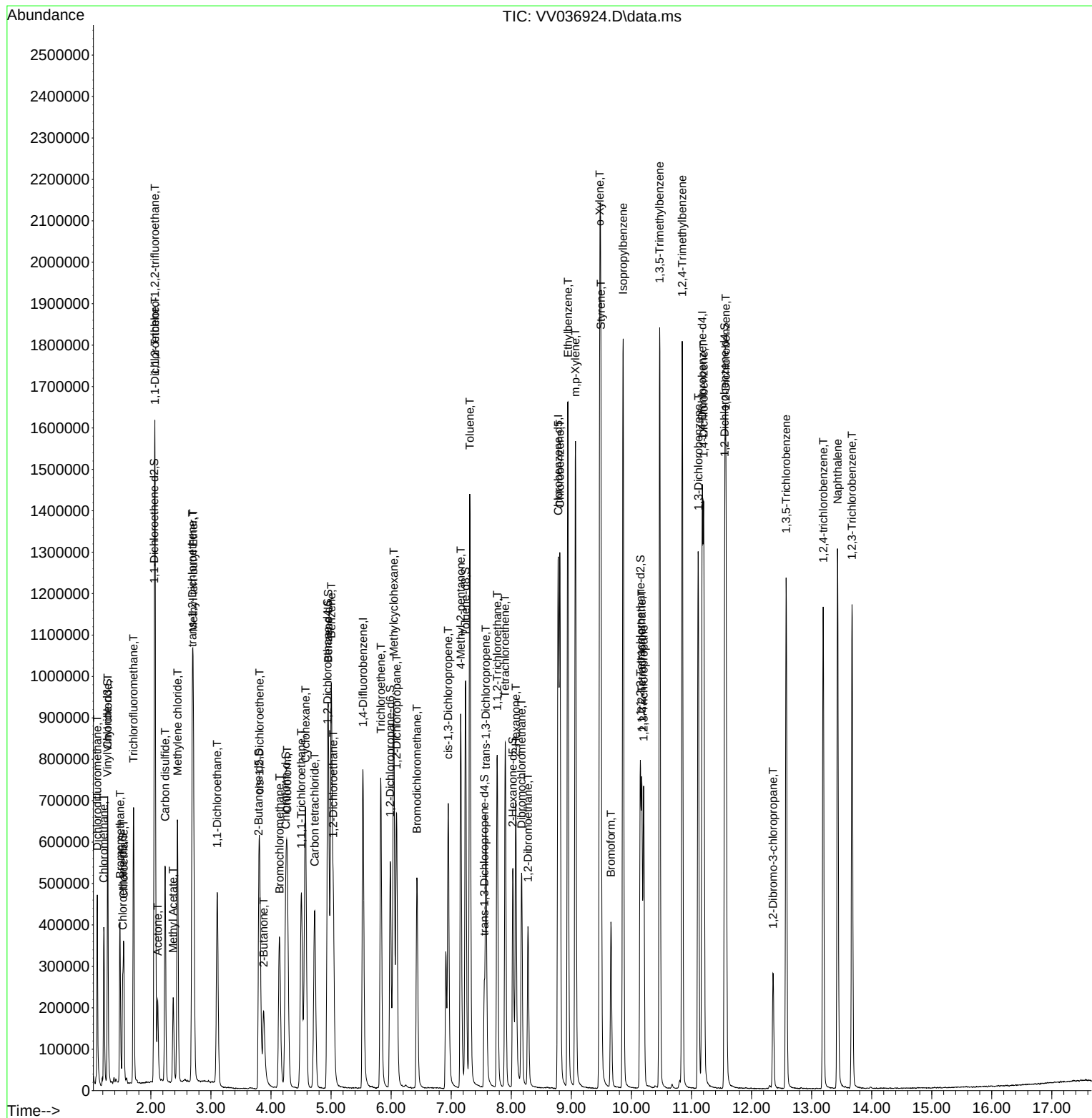
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	356295	48.905	ug/L	100
29) Cyclohexane	4.574	56	391040	47.617	ug/L	98
30) 1,1,1-Trichloroethane	4.506	97	387019	47.660	ug/L	100
31) Carbon tetrachloride	4.725	117	327517	48.025	ug/L	100
33) Benzene	5.005	78	980511	50.861	ug/L	100
34) Trichloroethene	5.828	95	266347	47.671	ug/L	98
35) Methylcyclohexane	6.043	83	401287	46.806	ug/L	99
37) 1,2-Dichloropropane	6.091	63	267981	52.473	ug/L	99
38) Bromodichloromethane	6.429	83	346807	49.314	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	405937	46.412	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	603695	95.426	ug/L	99
42) Toluene	7.310	91	1032191	50.268	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	377605	46.331	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	250388	50.627	ug/L	99
46) Tetrachloroethene	7.899	164	180055	49.131	ug/L	99
48) 2-Hexanone	8.075	43	433804	93.209	ug/L	98
49) Dibromochloromethane	8.172	129	258213	50.806	ug/L	99
50) 1,2-Dibromoethane	8.278	107	255922	49.874	ug/L	98
51) Chlorobenzene	8.808	112	663787	50.381	ug/L	99
52) Ethylbenzene	8.943	91	1161031	49.520	ug/L	100
53) m,p-Xylene	9.069	106	433365	49.449	ug/L	97
54) o-Xylene	9.474	106	427485	49.871	ug/L	98
55) Styrene	9.493	104	730937	49.759	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.172	83	353914	53.034	ug/L	99
59) Bromoform	9.661	173	167022	46.266	ug/L	97
60) Isopropylbenzene	9.863	105	1154200	48.584	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	284367	48.408	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	950290	48.046	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	943976	47.677	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	508325	49.757	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	514751	49.549	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	504660	50.579	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	70652	41.620	ug/L	95
69) 1,3,5-Trichlorobenzene	12.577	180	353150	48.711	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	329886	47.443	ug/L	100
71) Naphthalene	13.432	128	998656	44.788	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	325874	47.878	ug/L	100

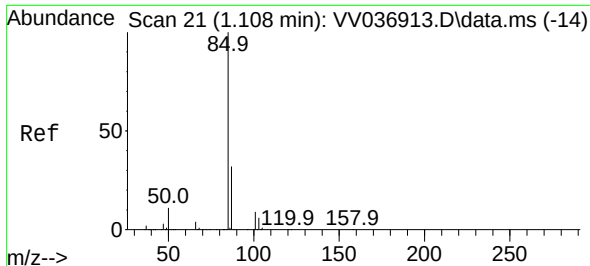
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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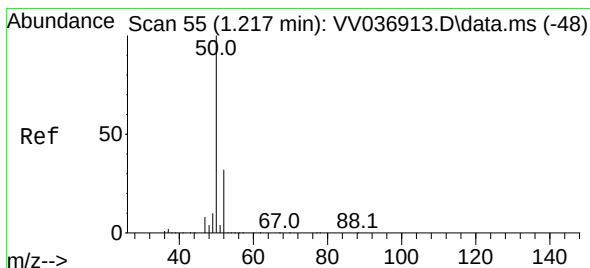
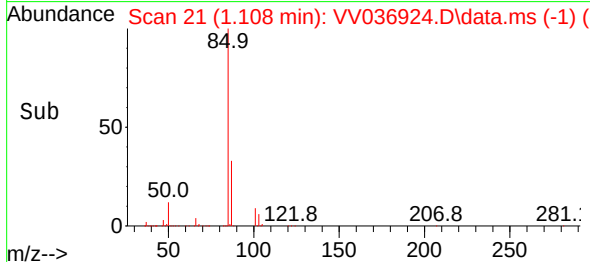
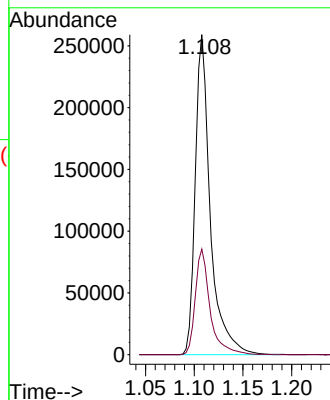
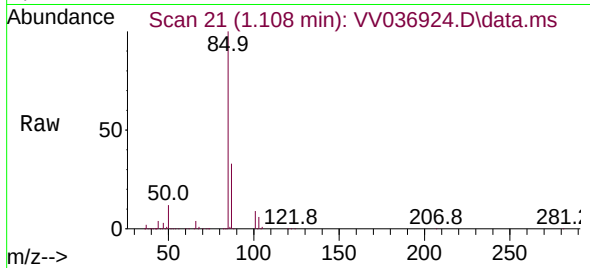




#2
 Dichlorodifluoromethane
 Concen: 51.230 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV036924.D
 Acq: 13 Aug 2024 16:50

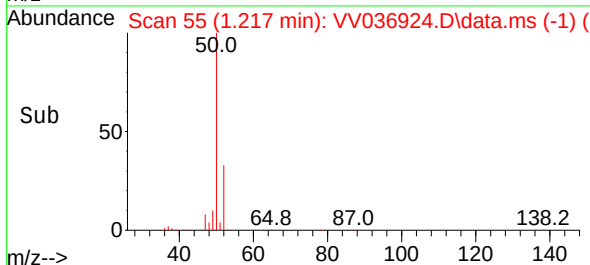
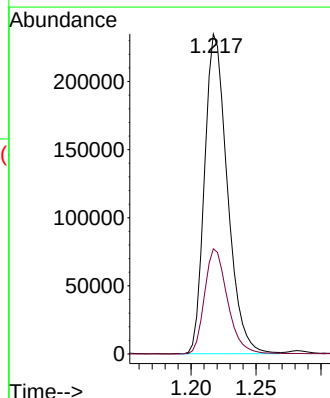
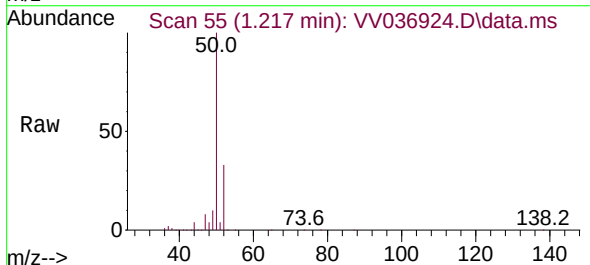
Instrument :
 MSVOA_V
 ClientSampleId :

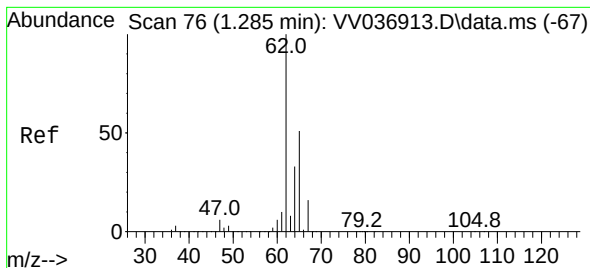
Tgt Ion: 85 Resp: 277863
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.9 38.9



#3
 Chloromethane
 Concen: 50.680 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV036924.D
 Acq: 13 Aug 2024 16:50

Tgt Ion: 50 Resp: 287672
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.0 42.8





#5

Vinyl chloride

Concen: 50.982 ug/L

RT: 1.281 min Scan# 76

Delta R.T. -0.003 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

Instrument :

MSVOA_V

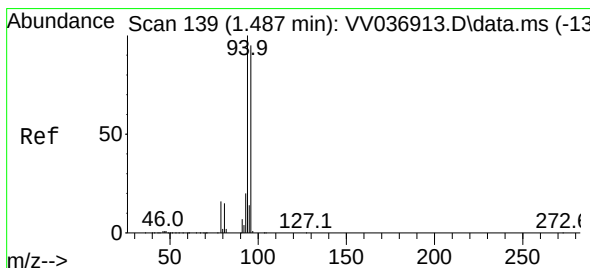
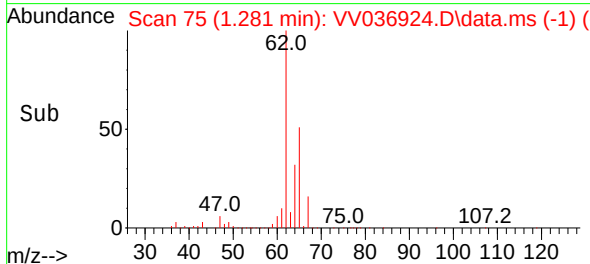
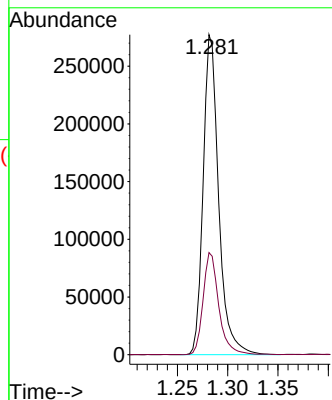
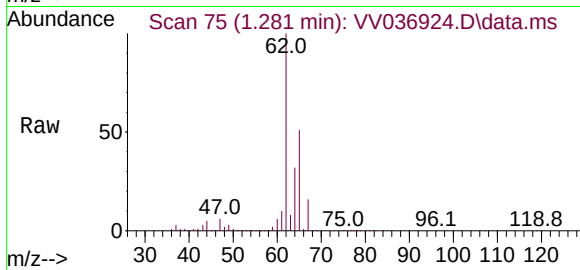
ClientSampleId :

Tgt Ion: 62 Resp: 297185

Ion Ratio Lower Upper

62 100

64 31.9 23.6 43.8



#6

Bromomethane

Concen: 47.927 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.000 min

Lab File: VV036924.D

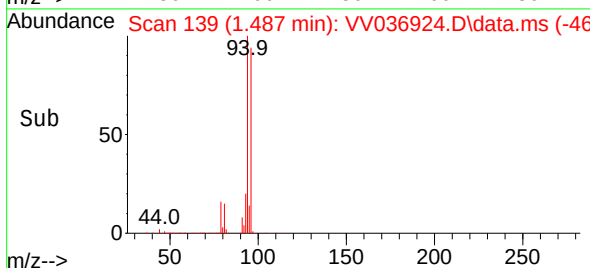
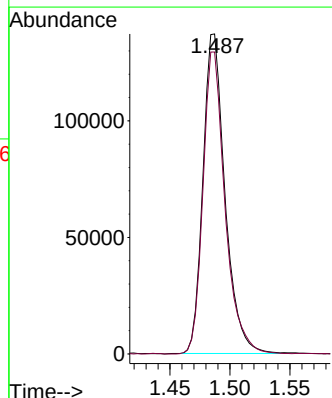
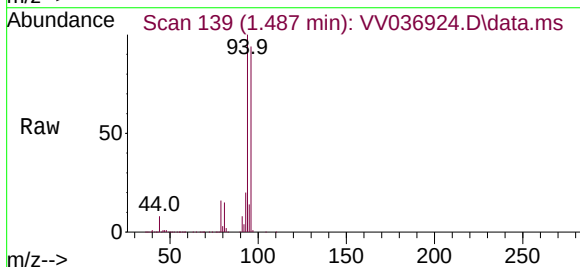
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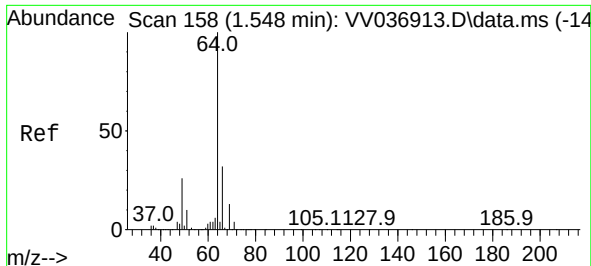
Tgt Ion: 94 Resp: 175897

Ion Ratio Lower Upper

94 100

96 94.4 65.5 121.7

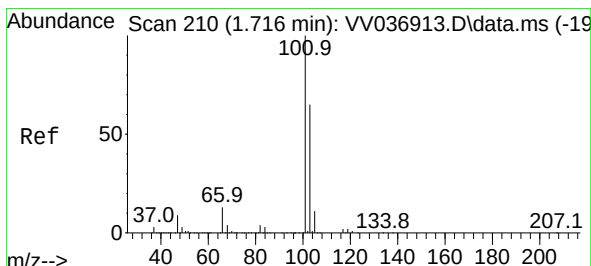
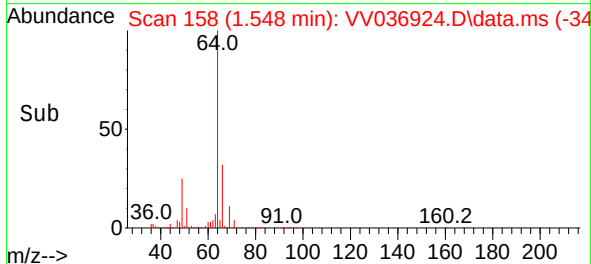
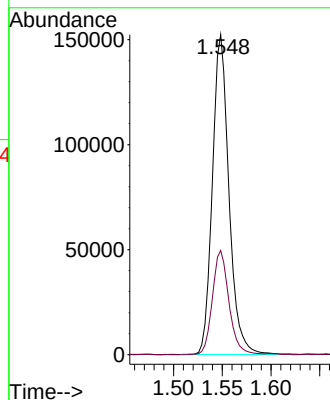
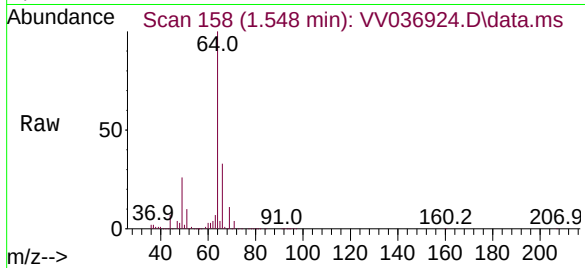




#8
Chloroethane
Concen: 49.781 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV036924.D
Acq: 13 Aug 2024 16:50

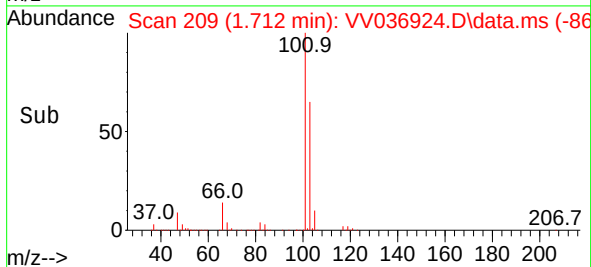
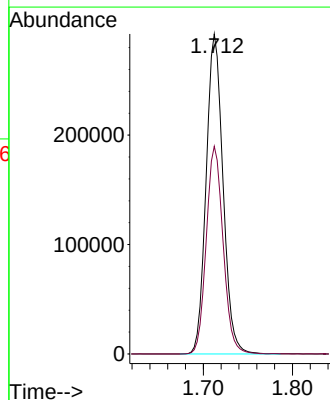
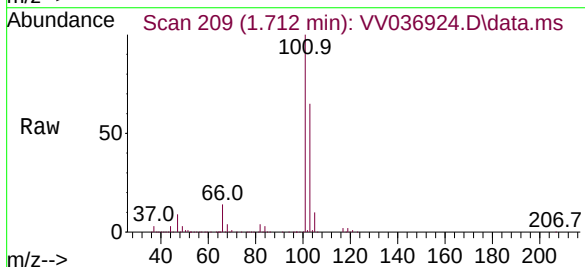
Instrument :
MSVOA_V
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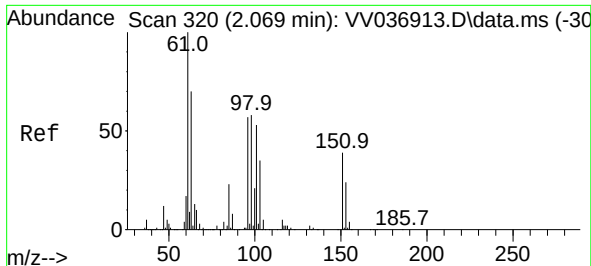
Tgt Ion: 64 Resp: 179745
Ion Ratio Lower Upper
64 100
66 32.5 23.2 43.0



#9
Trichlorofluoromethane
Concen: 50.265 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV036924.D
Acq: 13 Aug 2024 16:50

Tgt Ion:101 Resp: 383790
Ion Ratio Lower Upper
101 100
103 64.9 51.4 77.0

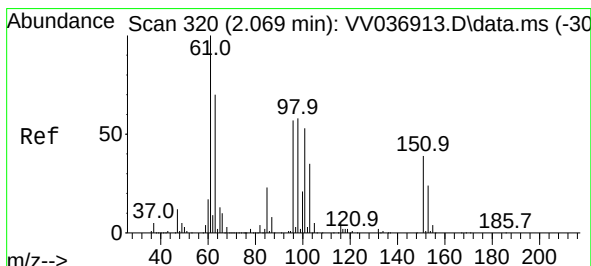
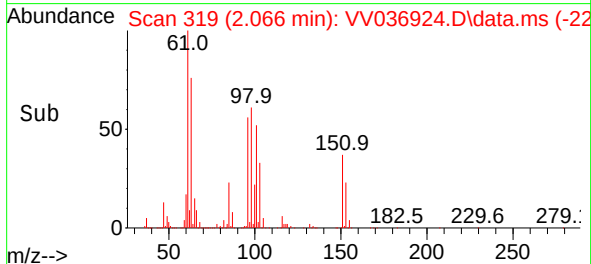
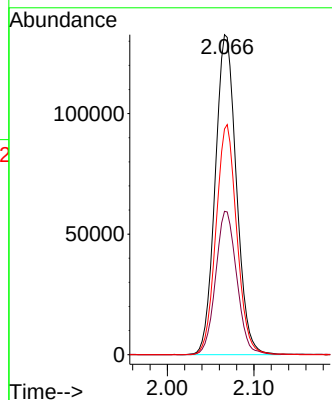
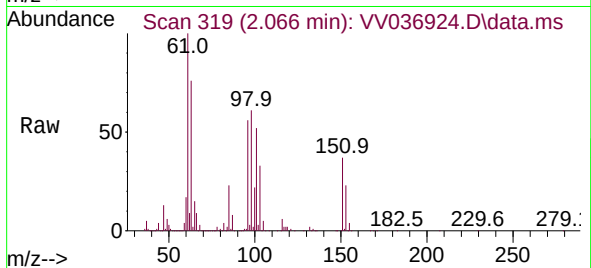




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.224 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.003 min
 Lab File: VV036924.D
 Acq: 13 Aug 2024 16:50

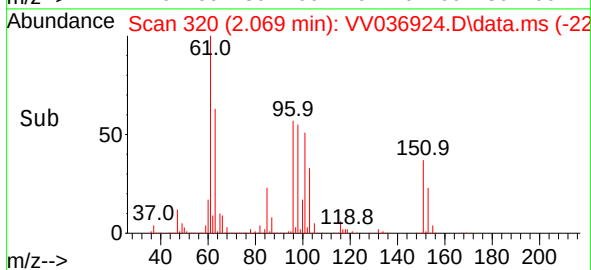
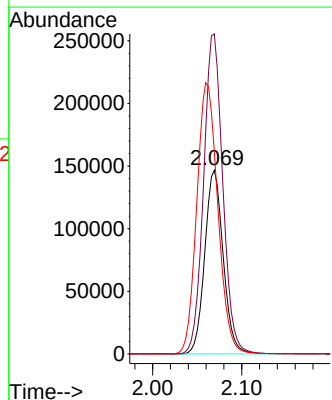
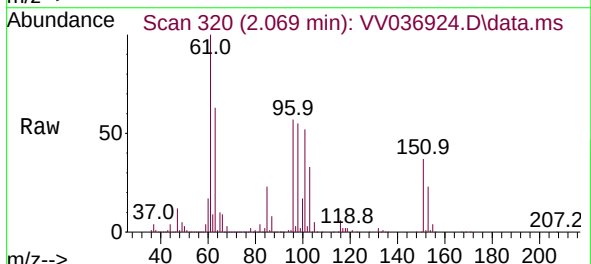
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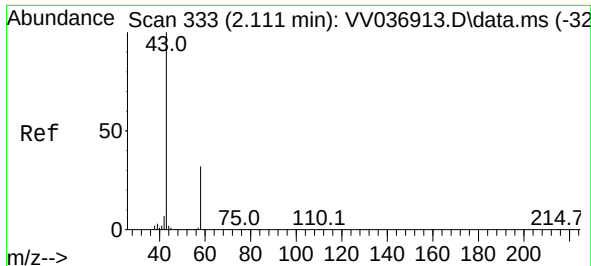
Tgt Ion:101 Resp: 225962
 Ion Ratio Lower Upper
 101 100
 85 44.7 34.6 51.8
 151 70.5 55.9 83.9



#12
 1,1-Dichloroethene
 Concen: 49.145 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV036924.D
 Acq: 13 Aug 2024 16:50

Tgt Ion: 96 Resp: 211176
 Ion Ratio Lower Upper
 96 100
 61 174.2 125.6 233.2
 63 110.5 95.1 176.7





#13

Acetone

Concen: 78.210 ug/L

RT: 2.114 min Scan# 333

Delta R.T. 0.003 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

Instrument :

MSVOA_V

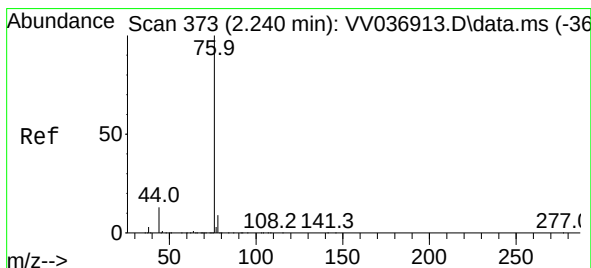
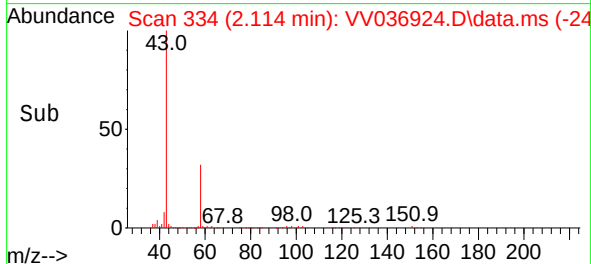
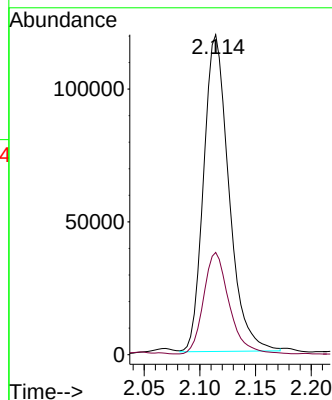
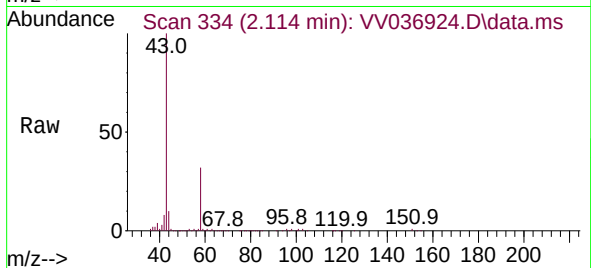
ClientSampleId :

Tgt Ion: 43 Resp: 188369

Ion Ratio Lower Upper

43 100

58 32.8 0.0 63.4



#14

Carbon disulfide

Concen: 42.974 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.003 min

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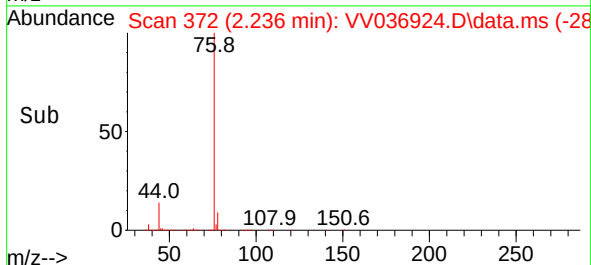
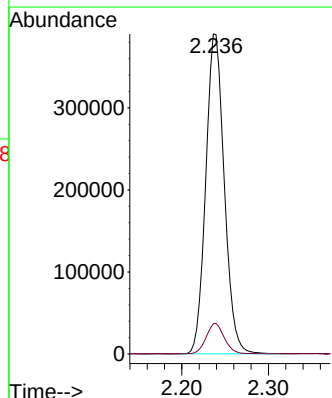
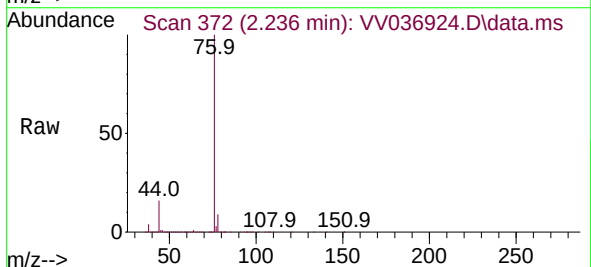
Acq: 13 Aug 2024 16:50

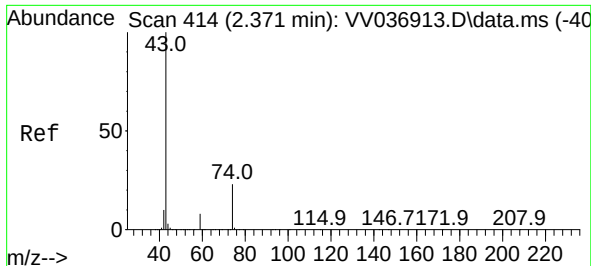
Tgt Ion: 76 Resp: 580052

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7

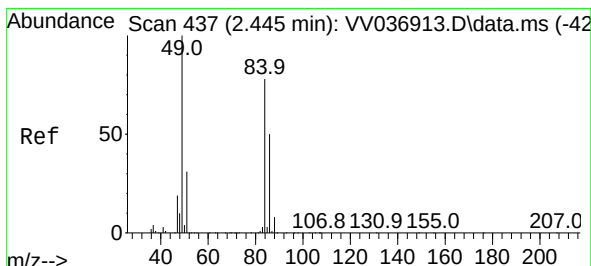
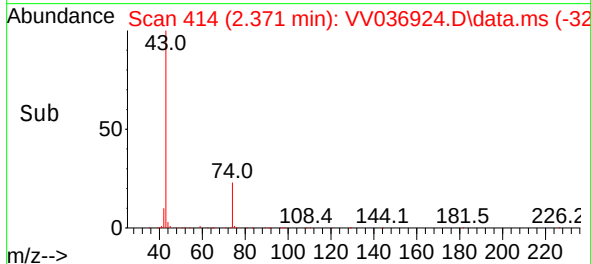
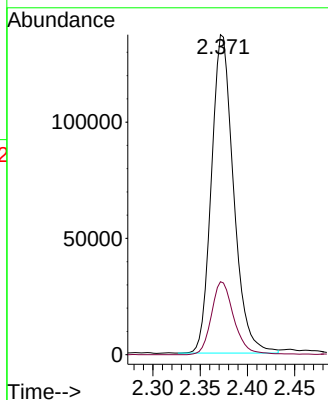
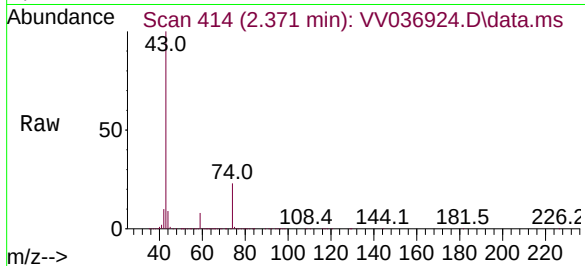




#15
Methyl Acetate
Concen: 44.997 ug/L
RT: 2.371 min Scan# 414
Delta R.T. -0.000 min
Lab File: VV036924.D
Acq: 13 Aug 2024 16:50

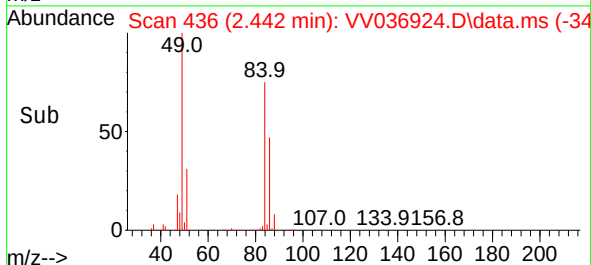
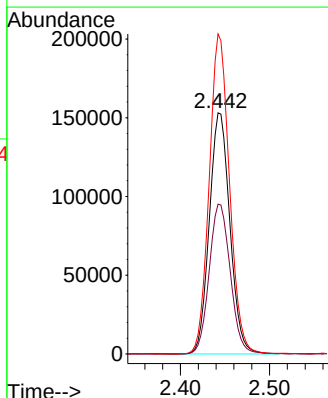
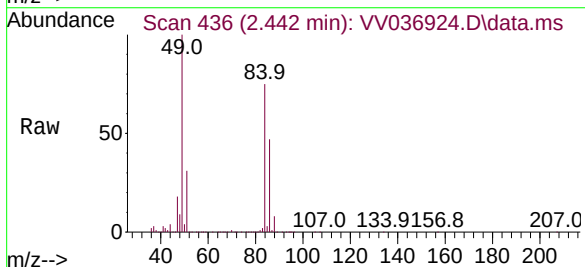
Instrument :
MSVOA_V
ClientSampleId :

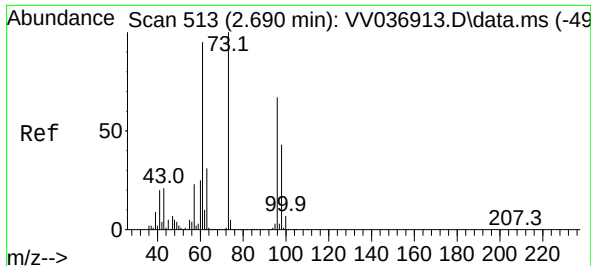
Tgt Ion: 43 Resp: 223255
Ion Ratio Lower Upper
43 100
74 23.3 19.0 28.4



#16
Methylene chloride
Concen: 50.885 ug/L
RT: 2.442 min Scan# 436
Delta R.T. -0.003 min
Lab File: VV036924.D
Acq: 13 Aug 2024 16:50

Tgt Ion: 84 Resp: 245812
Ion Ratio Lower Upper
84 100
86 62.1 44.3 82.3
49 132.7 91.1 169.1





#17

trans-1,2-Dichloroethene

Concen: 50.205 ug/L

RT: 2.690 min Scan# 513

Delta R.T. -0.000 min

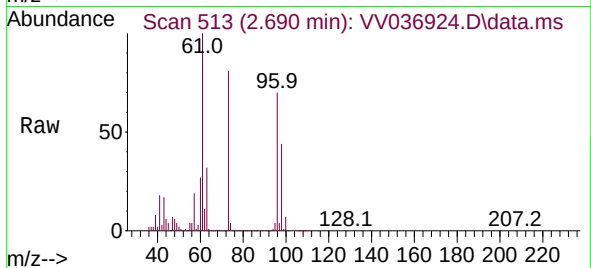
Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

Instrument :

MSVOA_V

ClientSampleId :



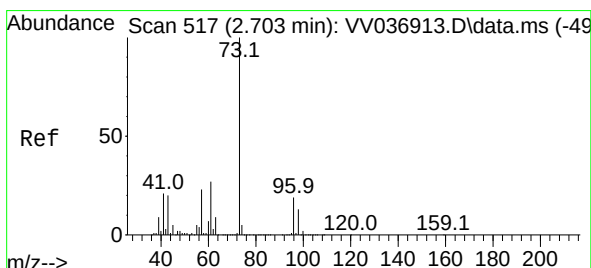
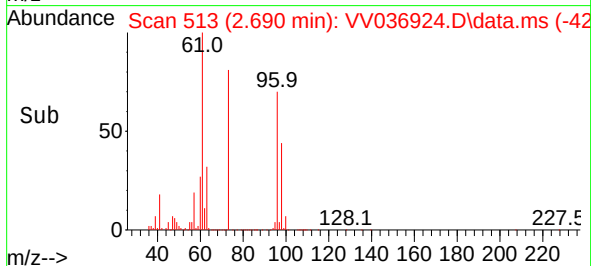
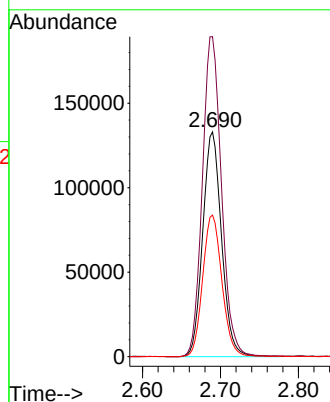
Tgt Ion: 96 Resp: 223457

Ion Ratio Lower Upper

96 100

61 142.3 100.0 185.8

98 63.0 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 49.279 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.003 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

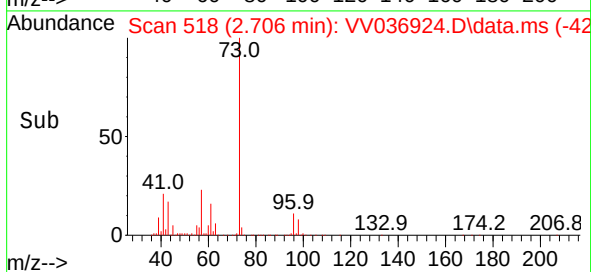
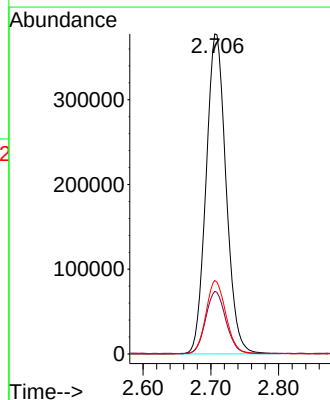
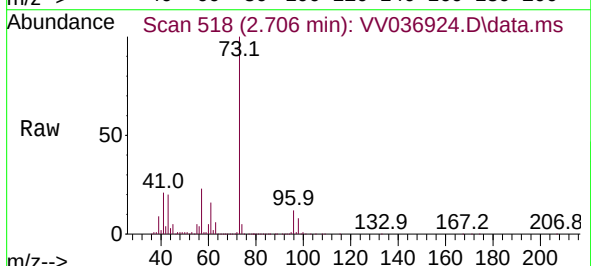
Tgt Ion: 73 Resp: 772496

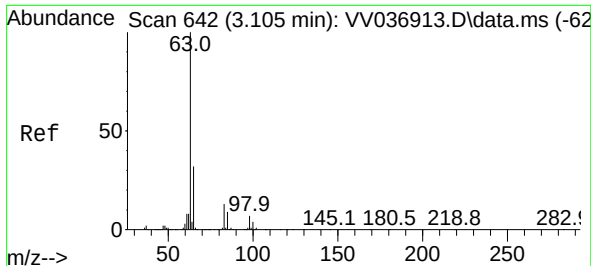
Ion Ratio Lower Upper

73 100

43 19.5 16.1 24.1

57 22.7 17.9 26.9

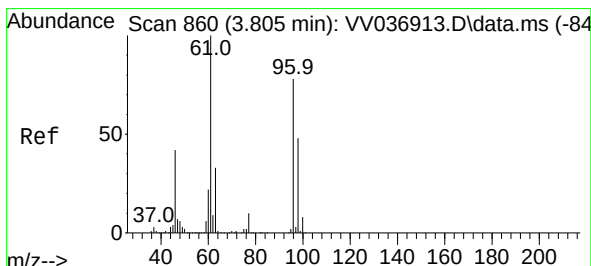
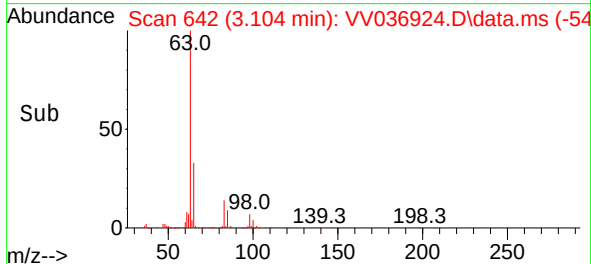
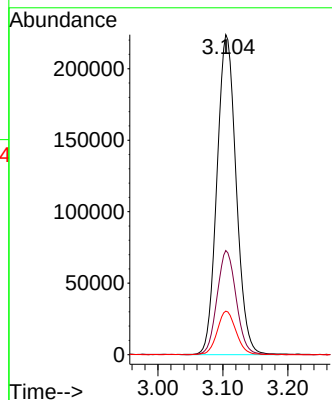
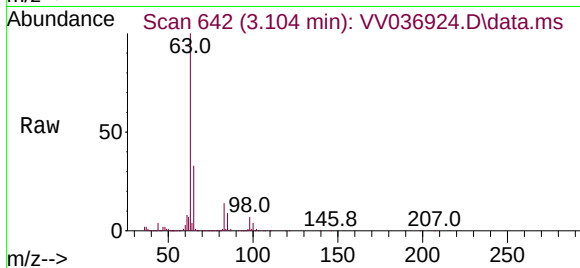




#19
1,1-Dichloroethane
Concen: 50.974 ug/L
RT: 3.104 min Scan# 641
Delta R.T. -0.000 min
Lab File: VV036924.D
Acq: 13 Aug 2024 16:50

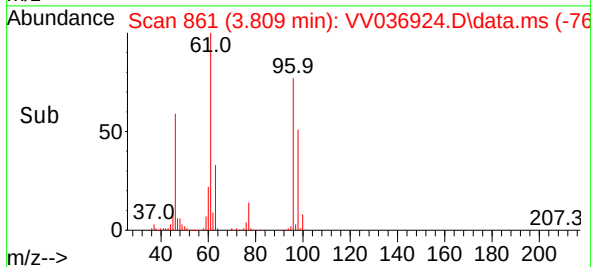
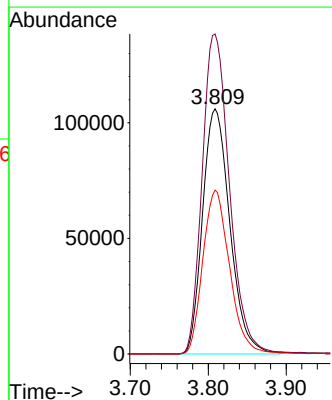
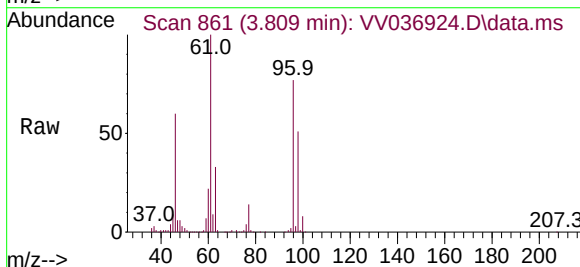
Instrument :
MSVOA_V
ClientSampleId :

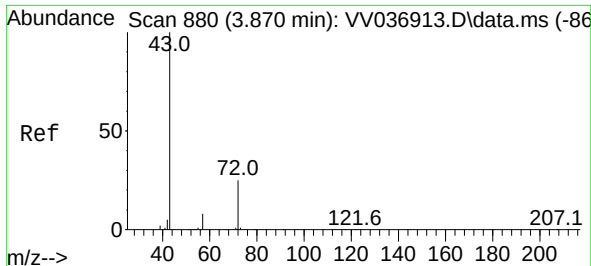
Tgt Ion: 63 Resp: 458382
Ion Ratio Lower Upper
63 100
65 32.6 23.2 43.0
83 13.6 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 49.469 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.003 min
Lab File: VV036924.D
Acq: 13 Aug 2024 16:50

Tgt Ion: 96 Resp: 258433
Ion Ratio Lower Upper
96 100
61 130.6 93.9 174.5
98 66.8 46.0 85.4

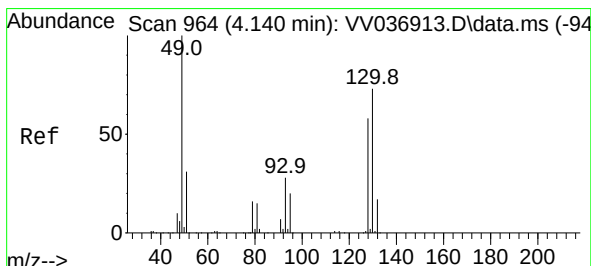
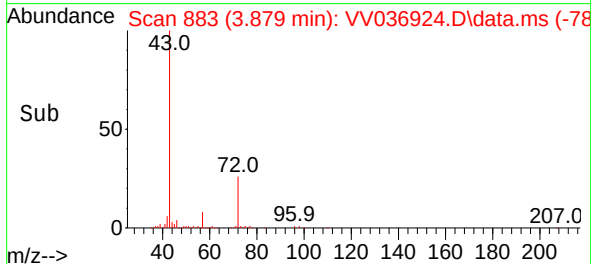
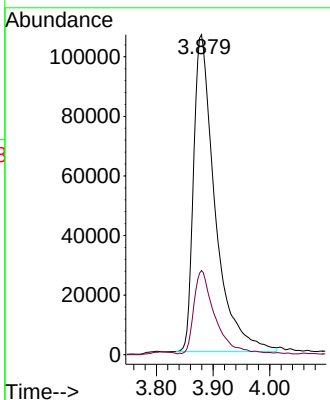
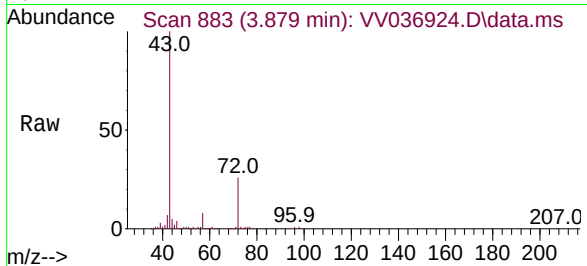




#22
2-Butanone
Concen: 86.955 ug/L
RT: 3.879 min Scan# 880
Delta R.T. 0.010 min
Lab File: VV036924.D
Acq: 13 Aug 2024 16:50

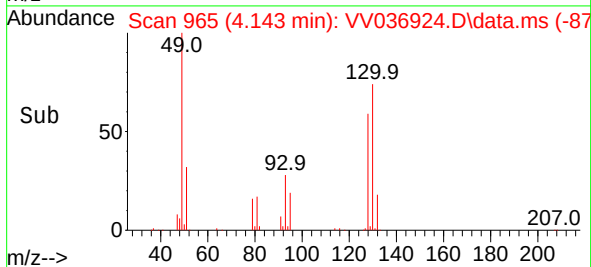
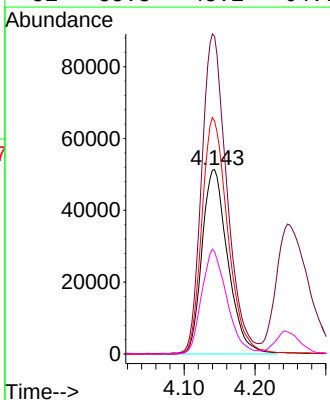
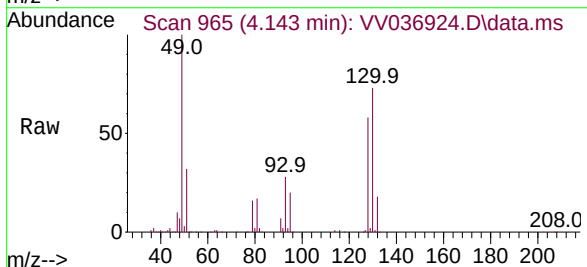
Instrument :
MSVOA_V
ClientSampleId :

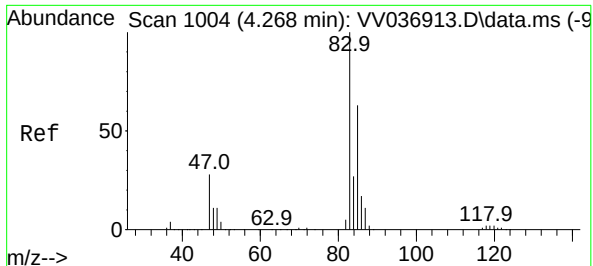
Tgt Ion: 43 Resp: 280560
Ion Ratio Lower Upper
43 100
72 24.9 12.5 37.5



#23
Bromochloromethane
Concen: 51.017 ug/L
RT: 4.143 min Scan# 965
Delta R.T. 0.003 min
Lab File: VV036924.D
Acq: 13 Aug 2024 16:50

Tgt Ion:128 Resp: 129465
Ion Ratio Lower Upper
128 100
49 172.3 120.0 223.0
130 126.2 87.0 161.6
51 55.3 43.1 64.7





#25

Chloroform

Concen: 50.769 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

Instrument :

MSVOA_V

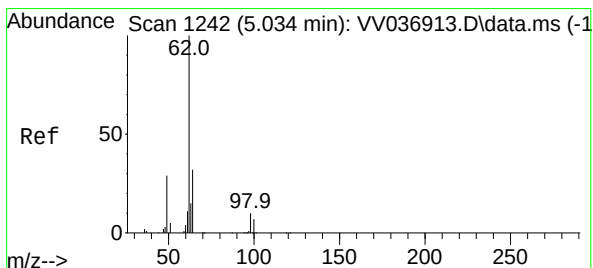
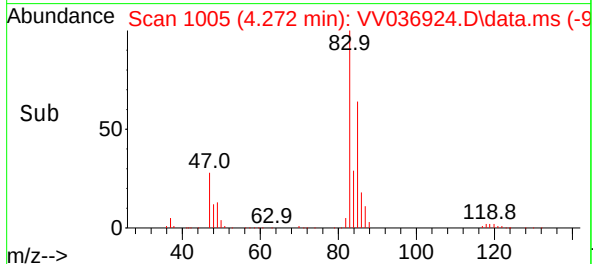
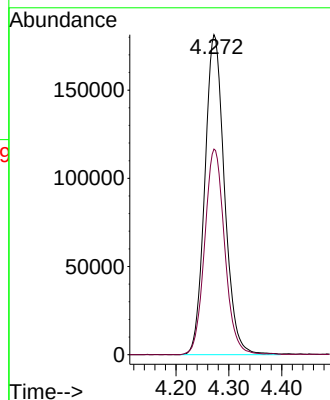
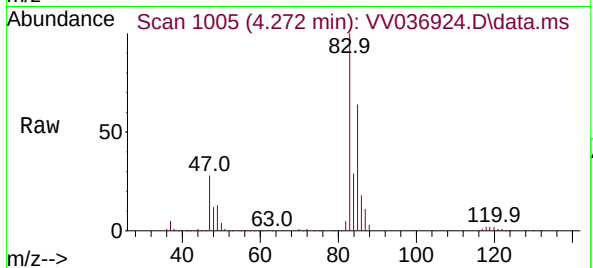
ClientSampleId :

Tgt Ion: 83 Resp: 468909

Ion Ratio Lower Upper

83 100

85 64.2 46.0 85.4



#27

1,2-Dichloroethane

Concen: 48.905 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV036924.D

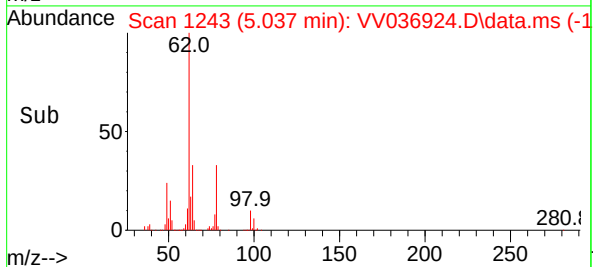
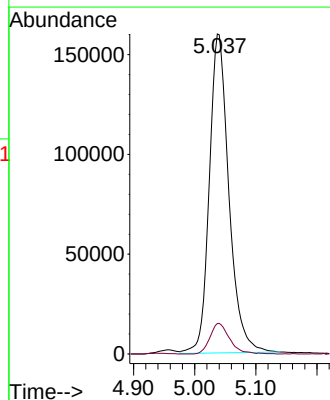
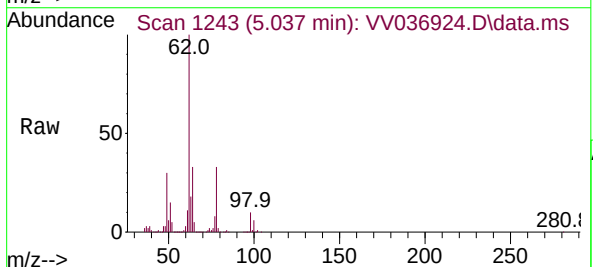
Acq: 13 Aug 2024 16:50

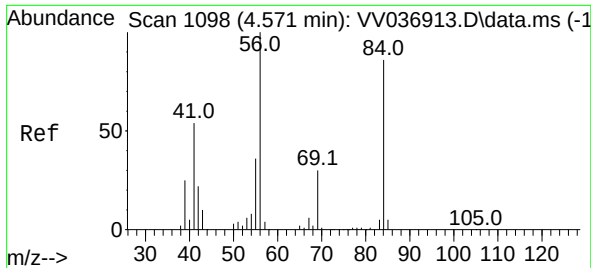
Tgt Ion: 62 Resp: 356295

Ion Ratio Lower Upper

62 100

98 9.5 7.5 11.3





#29

Cyclohexane

Concen: 47.617 ug/L

RT: 4.574 min Scan# 1098

Delta R.T. 0.003 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

Instrument :

MSVOA_V

ClientSampleId :

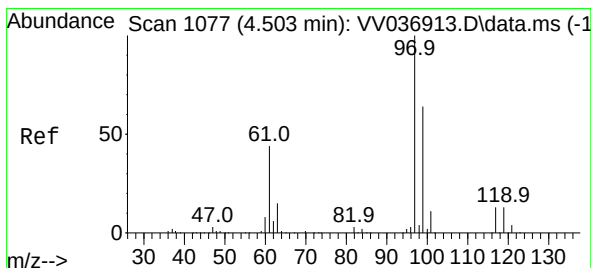
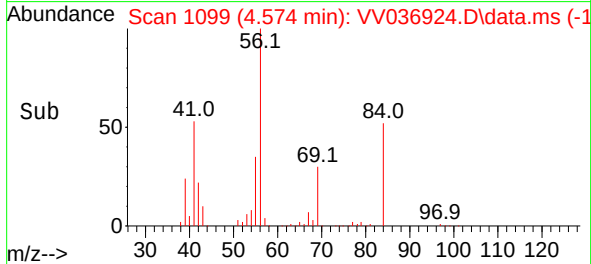
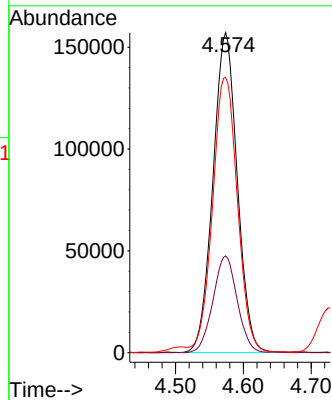
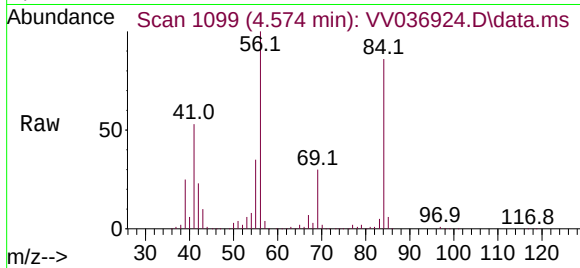
Tgt Ion: 56 Resp: 391040

Ion Ratio Lower Upper

56 100

69 30.2 24.7 37.1

84 88.0 68.5 102.7



#30

1,1,1-Trichloroethane

Concen: 47.660 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

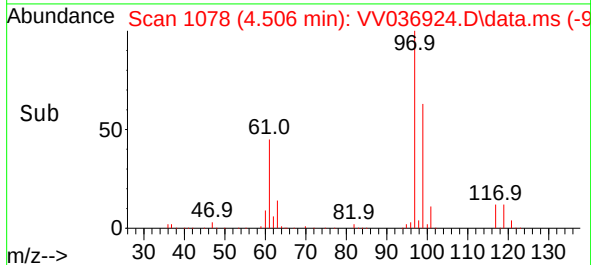
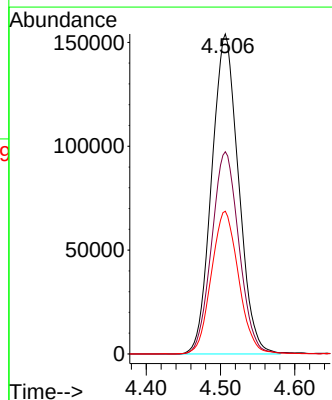
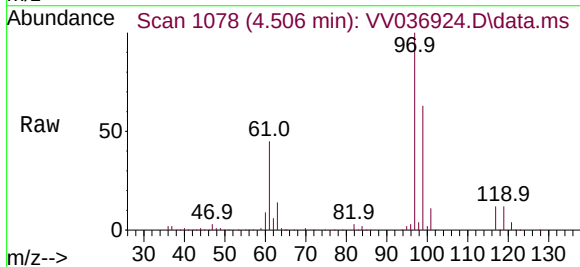
Tgt Ion: 97 Resp: 387019

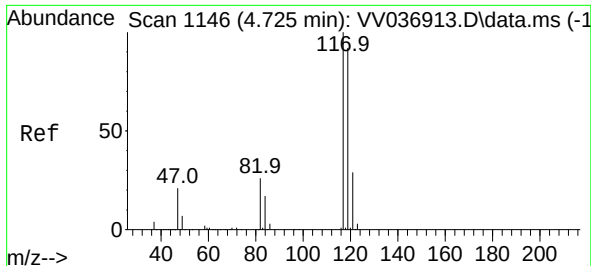
Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

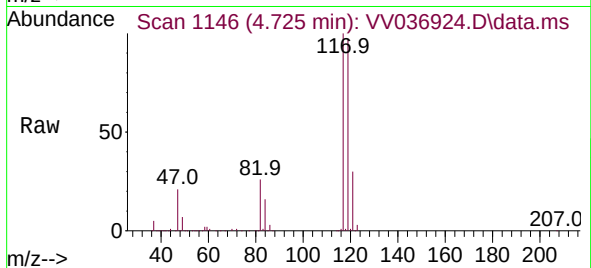
61 45.4 36.0 54.0



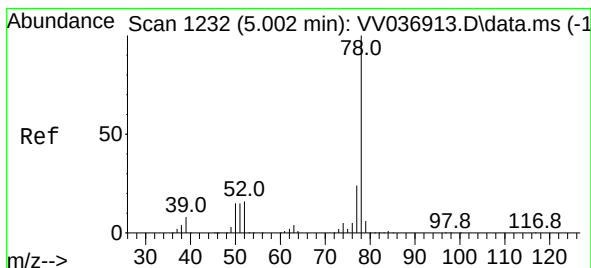
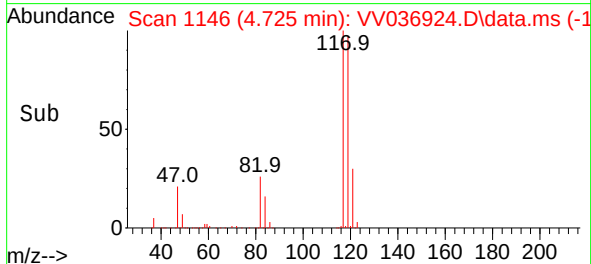
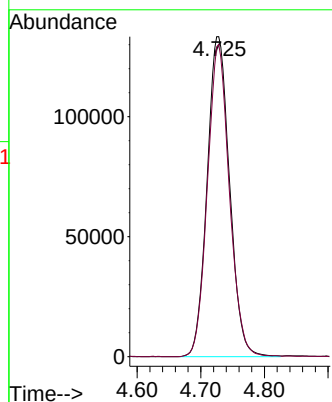


#31
Carbon tetrachloride
Concen: 48.025 ug/L
RT: 4.725 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VV036924.D
Acq: 13 Aug 2024 16:50

Instrument :
MSVOA_V
ClientSampleId :

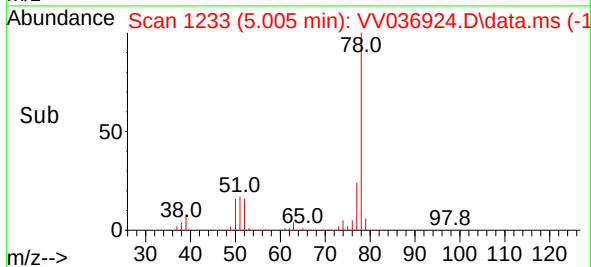
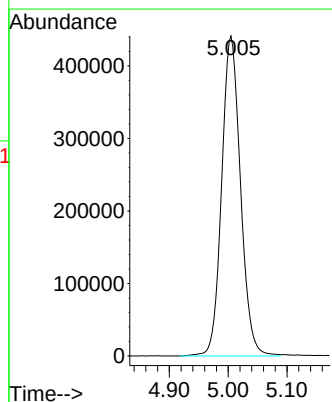
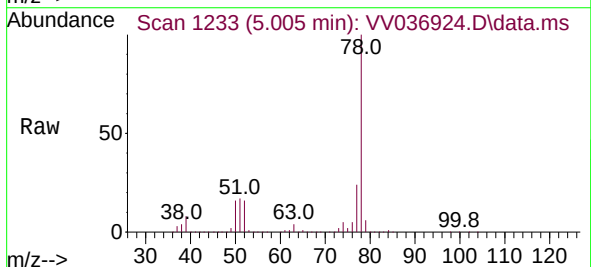


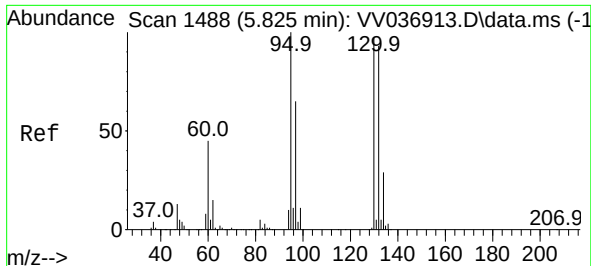
Tgt Ion:117 Resp: 327517
Ion Ratio Lower Upper
117 100
119 95.2 76.1 114.1



#33
Benzene
Concen: 50.861 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. 0.003 min
Lab File: VV036924.D
Acq: 13 Aug 2024 16:50

Tgt Ion: 78 Resp: 980511





#34

Trichloroethene

Concen: 47.671 ug/L

RT: 5.828 min Scan# 1488

Delta R.T. 0.003 min

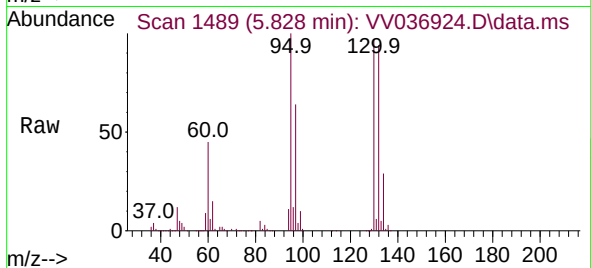
Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 266347

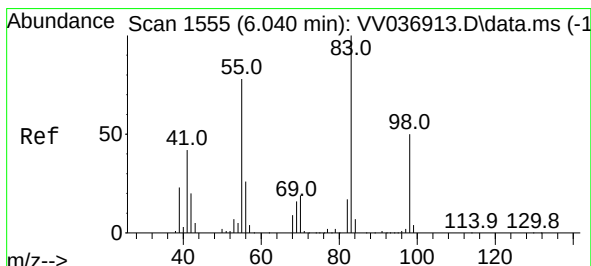
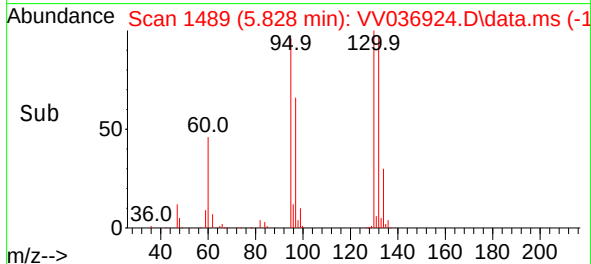
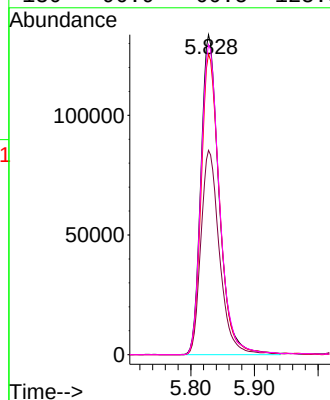
Ion Ratio Lower Upper

95 100

97 63.8 44.7 82.9

132 94.0 62.9 116.9

130 96.9 66.5 123.5



#35

Methylcyclohexane

Concen: 46.806 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.003 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

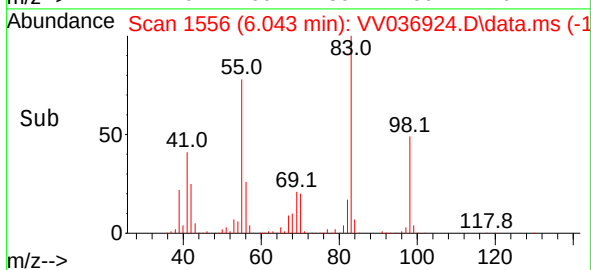
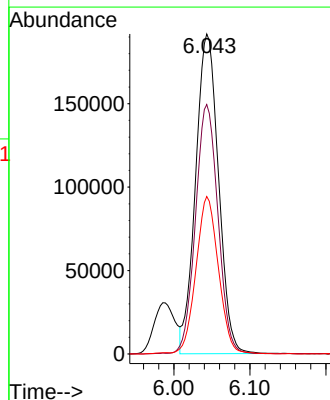
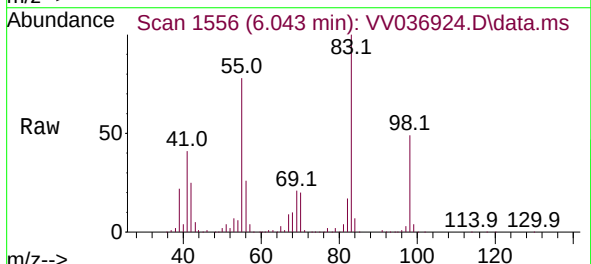
Tgt Ion: 83 Resp: 401287

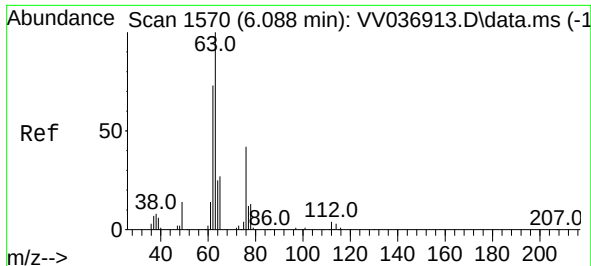
Ion Ratio Lower Upper

83 100

55 76.5 62.3 93.5

98 48.4 38.7 58.1

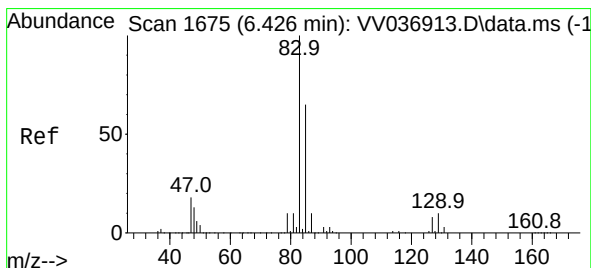
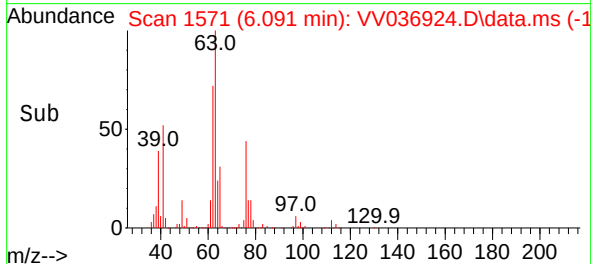
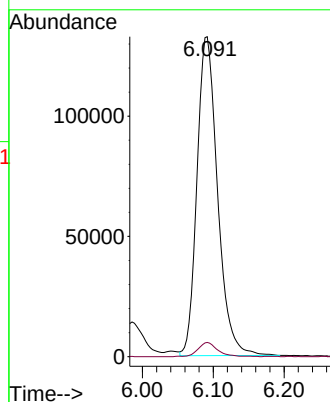
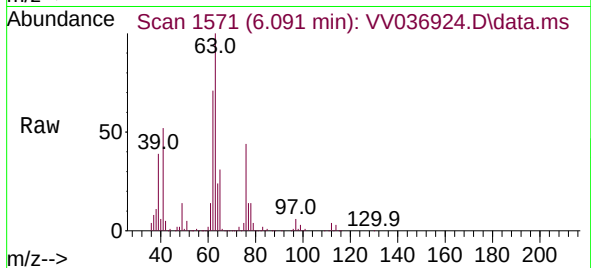




#37
1,2-Dichloropropane
Concen: 52.473 ug/L
RT: 6.091 min Scan# 1570
Delta R.T. 0.003 min
Lab File: VV036924.D
Acq: 13 Aug 2024 16:50

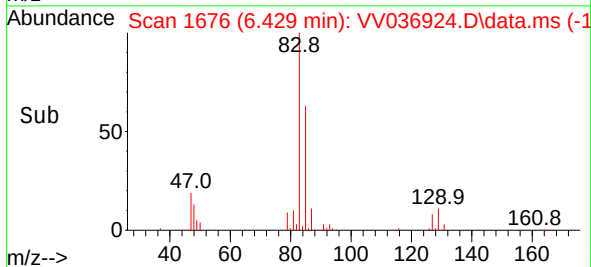
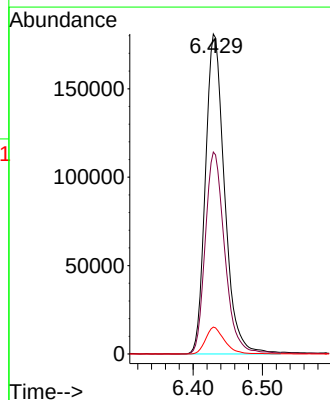
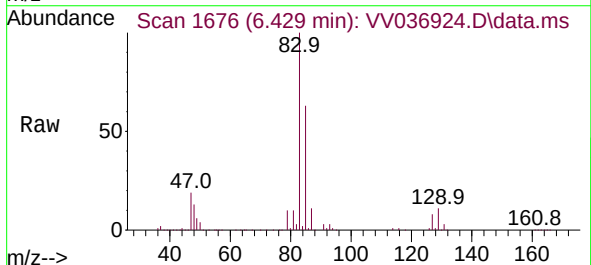
Instrument :
MSVOA_V
ClientSampleId :

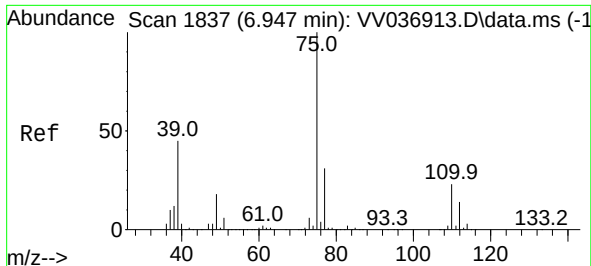
Tgt Ion: 63 Resp: 267981
Ion Ratio Lower Upper
63 100
112 4.1 3.6 5.4



#38
Bromodichloromethane
Concen: 49.314 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.003 min
Lab File: VV036924.D
Acq: 13 Aug 2024 16:50

Tgt Ion: 83 Resp: 346807
Ion Ratio Lower Upper
83 100
85 63.1 44.7 83.1
127 8.4 6.2 9.4

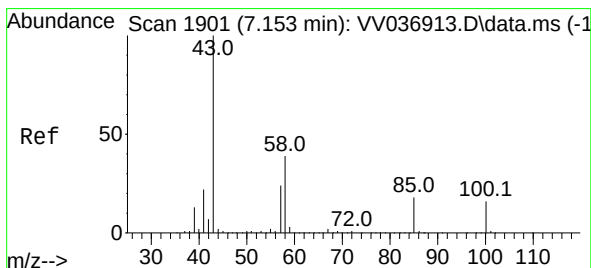
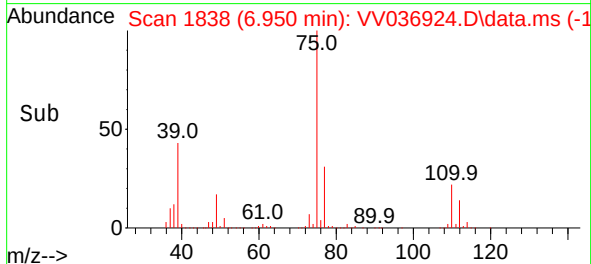
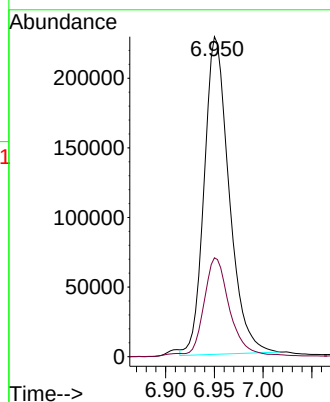
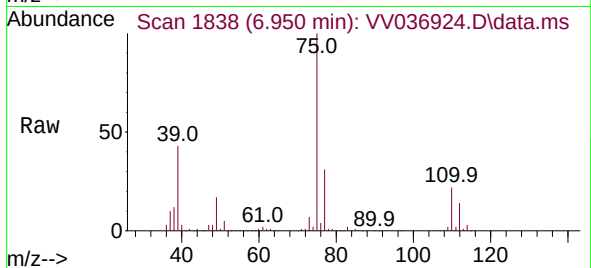




#39
 cis-1,3-Dichloropropene
 Concen: 46.412 ug/L
 RT: 6.950 min Scan# 11
 Delta R.T. 0.003 min
 Lab File: VV036924.D
 Acq: 13 Aug 2024 16:50

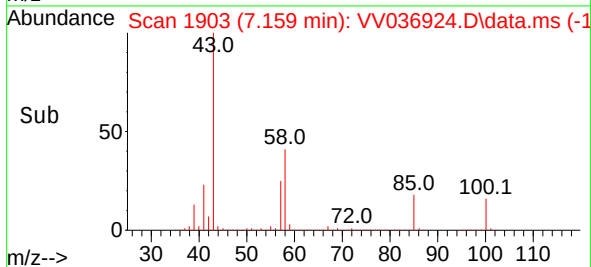
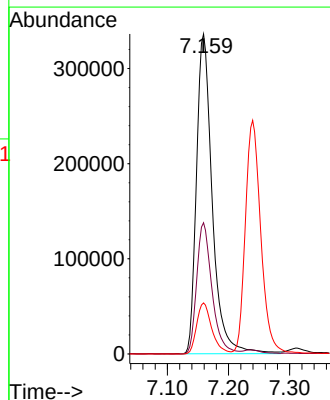
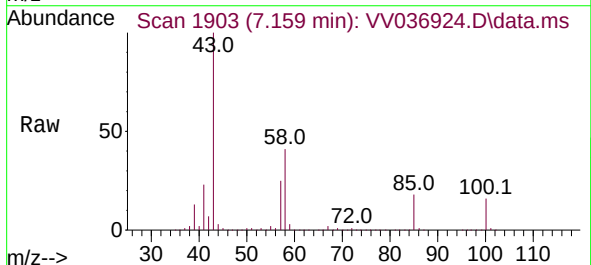
Instrument :
 MSVOA_V
 ClientSampleId :

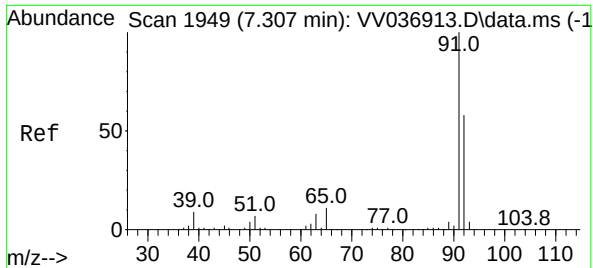
Tgt Ion: 75 Resp: 405937
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 95.426 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VV036924.D
 Acq: 13 Aug 2024 16:50

Tgt Ion: 43 Resp: 603695
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.3 46.9
 100 15.3 12.6 18.8





#42

Toluene

Concen: 50.268 ug/L

RT: 7.310 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

Instrument :

MSVOA_V

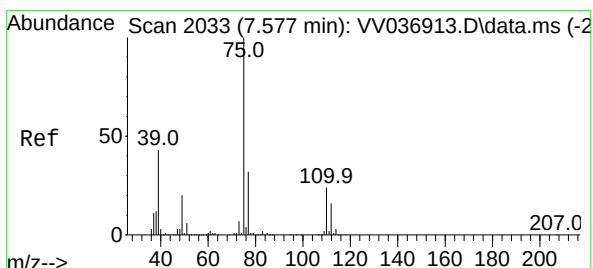
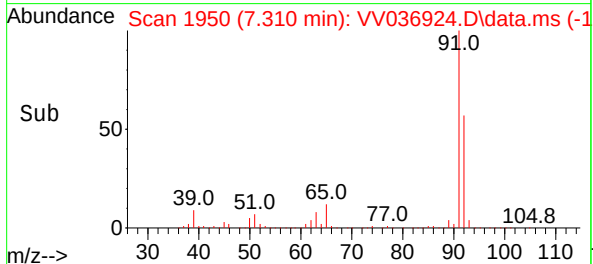
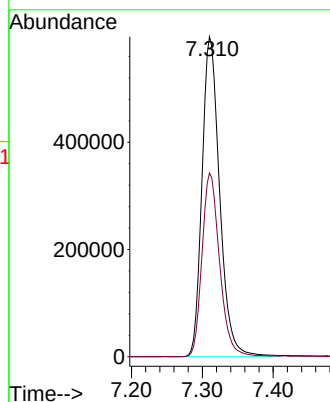
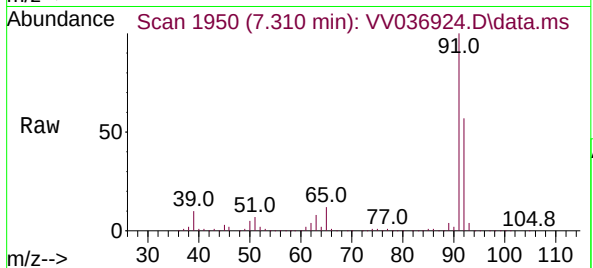
ClientSampleId :

Tgt Ion: 91 Resp: 1032191

Ion Ratio Lower Upper

91 100

92 57.4 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 46.331 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV036924.D

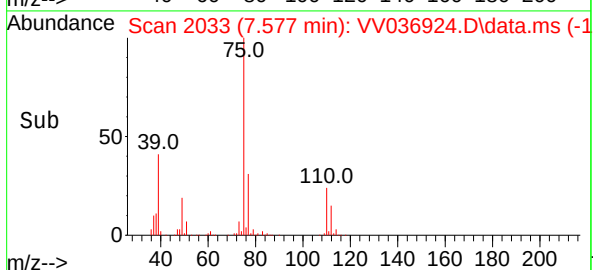
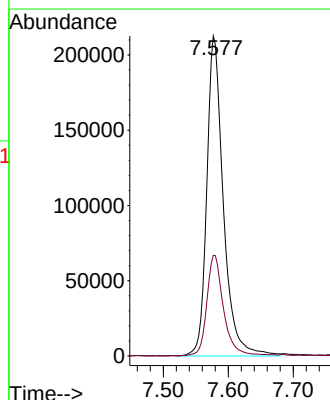
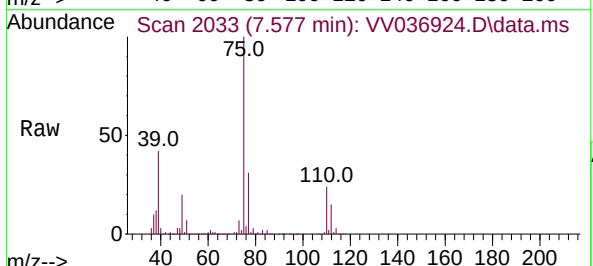
Acq: 13 Aug 2024 16:50

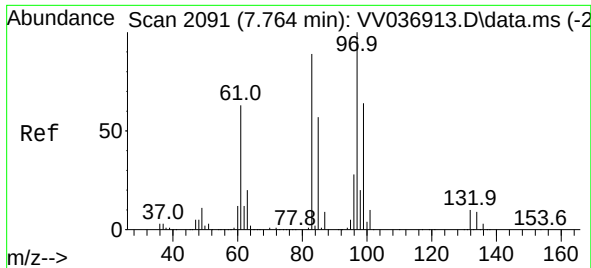
Tgt Ion: 75 Resp: 377605

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 50.627 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.003 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 250388

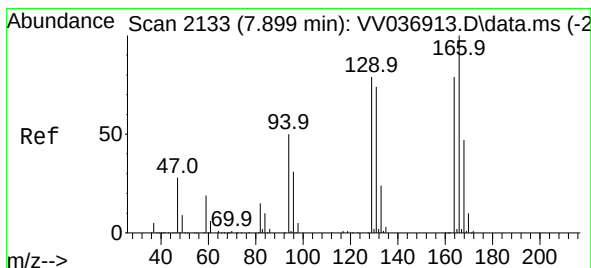
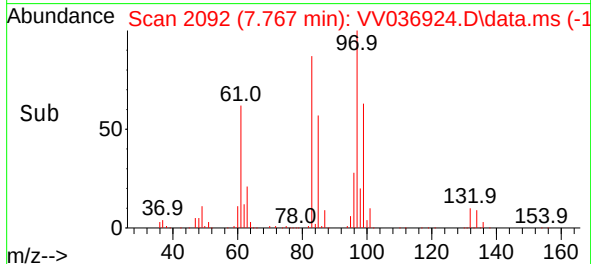
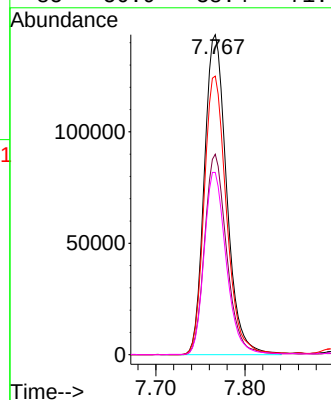
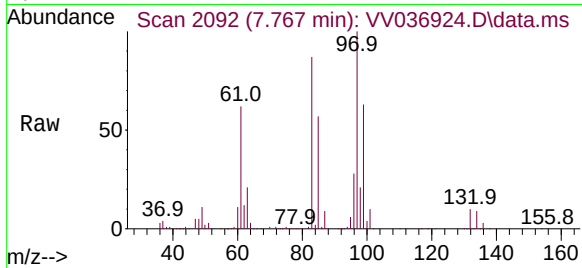
Ion Ratio Lower Upper

97 100

99 62.6 44.0 81.6

83 87.1 60.1 111.5

85 56.9 38.4 71.4



#46

Tetrachloroethene

Concen: 49.131 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. -0.000 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

Tgt Ion:164 Resp: 180055

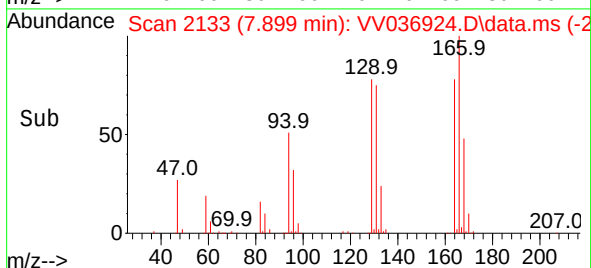
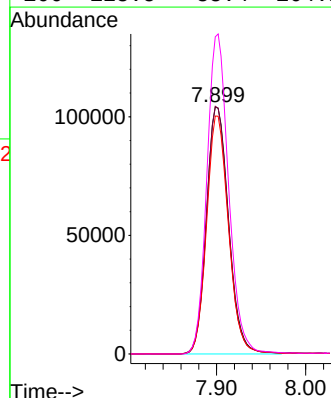
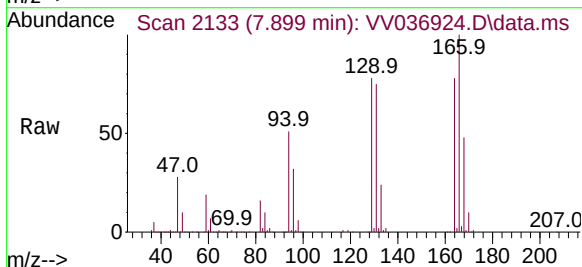
Ion Ratio Lower Upper

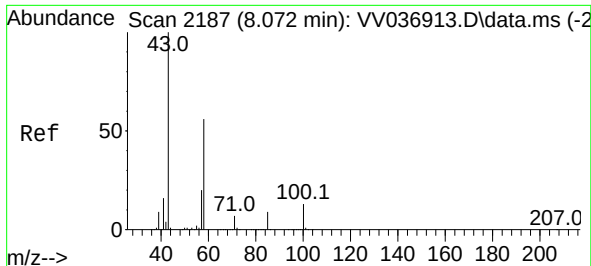
164 100

129 100.3 70.4 130.8

131 96.4 67.7 125.7

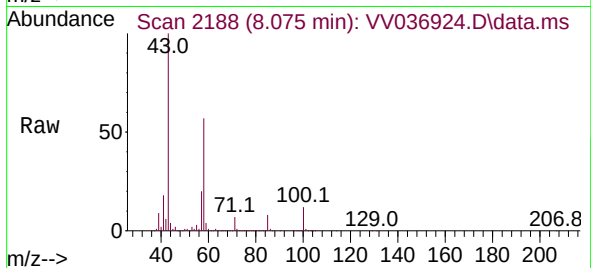
166 128.5 88.4 164.2



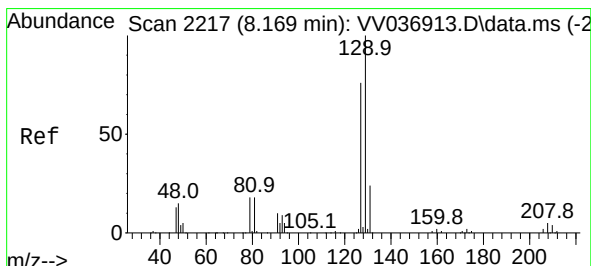
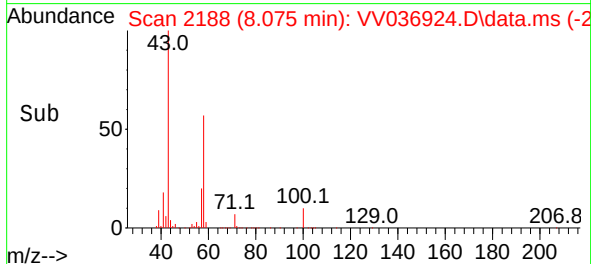
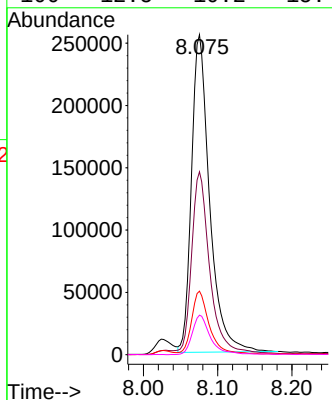


#48
2-Hexanone
Concen: 93.209 ug/L
RT: 8.075 min Scan# 2187
Delta R.T. 0.003 min
Lab File: VV036924.D
Acq: 13 Aug 2024 16:50

Instrument :
MSVOA_V
ClientSampleId :

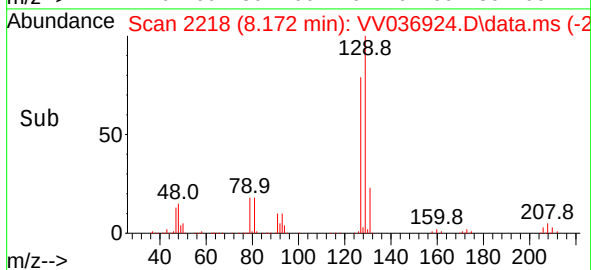
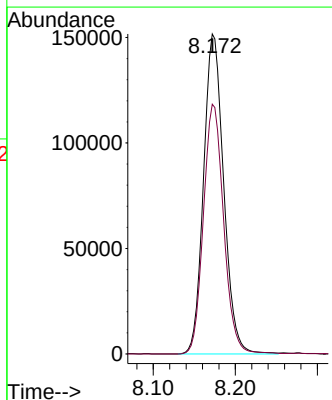
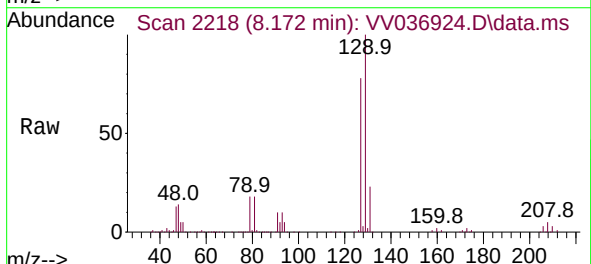


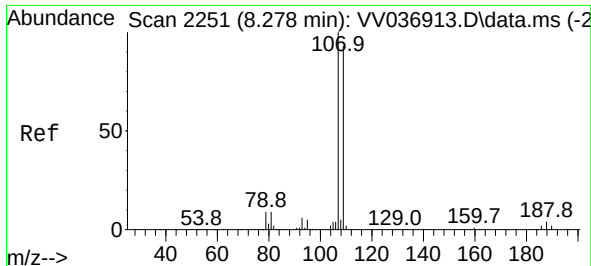
Tgt Ion: 43 Resp: 433804
Ion Ratio Lower Upper
43 100
58 57.7 44.7 67.1
57 18.7 15.0 22.4
100 12.5 10.2 15.4



#49
Dibromochloromethane
Concen: 50.806 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.003 min
Lab File: VV036924.D
Acq: 13 Aug 2024 16:50

Tgt Ion: 129 Resp: 258213
Ion Ratio Lower Upper
129 100
127 78.1 55.4 102.8

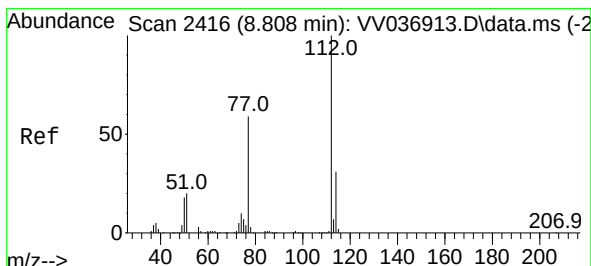
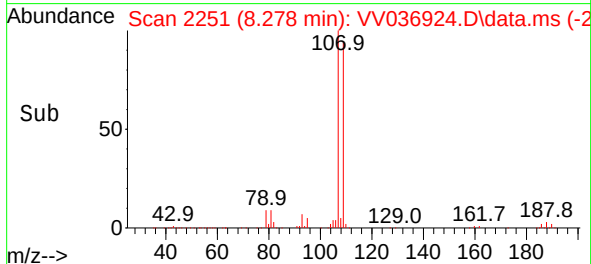
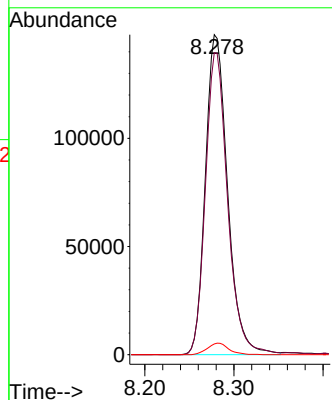
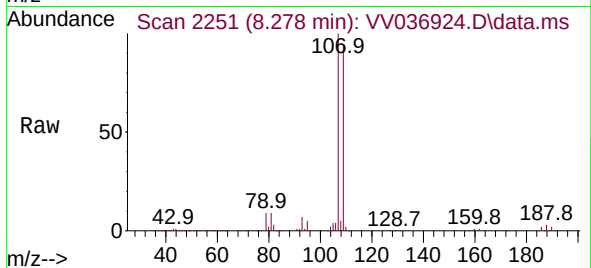




#50
1,2-Dibromoethane
Concen: 49.874 ug/L
RT: 8.278 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV036924.D
Acq: 13 Aug 2024 16:50

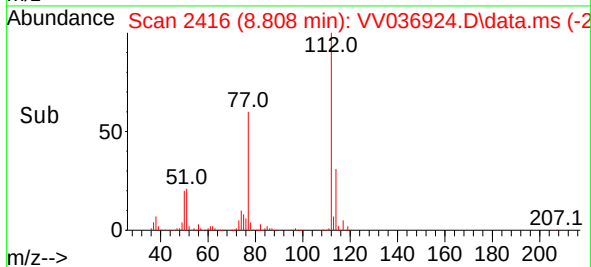
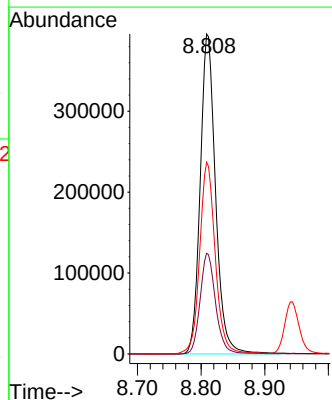
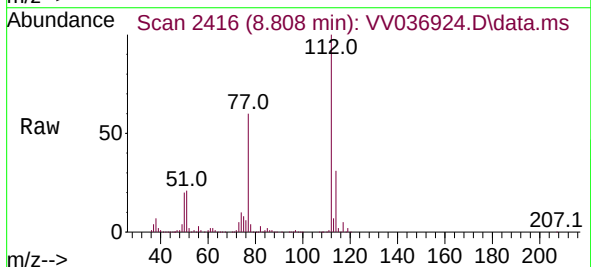
Instrument :
MSVOA_V
ClientSampleId :

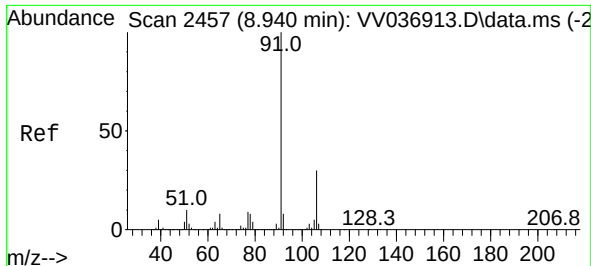
Tgt Ion:107 Resp: 255922
Ion Ratio Lower Upper
107 100
109 94.3 64.7 120.1
188 3.3 2.6 3.8



#51
Chlorobenzene
Concen: 50.381 ug/L
RT: 8.808 min Scan# 2416
Delta R.T. -0.000 min
Lab File: VV036924.D
Acq: 13 Aug 2024 16:50

Tgt Ion:112 Resp: 663787
Ion Ratio Lower Upper
112 100
114 31.4 22.3 41.5
77 60.0 48.9 73.3





#52

Ethylbenzene

Concen: 49.520 ug/L

RT: 8.943 min Scan# 2457

Delta R.T. 0.003 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

Instrument :

MSVOA_V

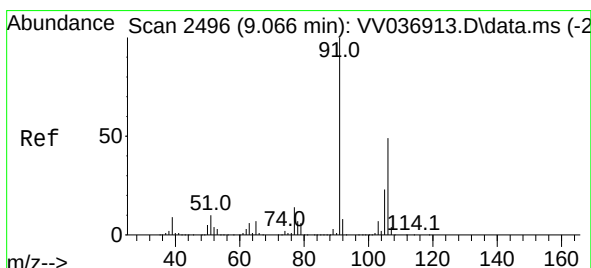
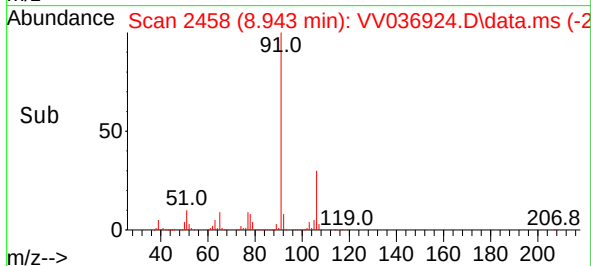
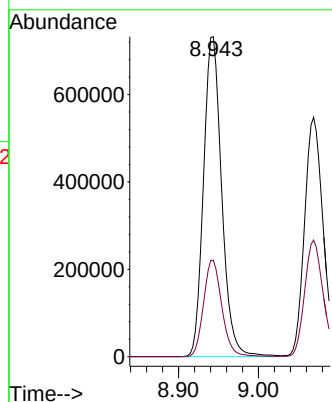
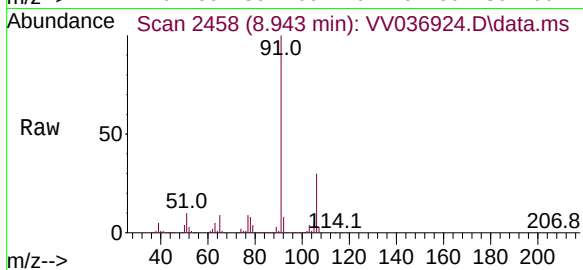
ClientSampleId :

Tgt Ion: 91 Resp: 1161031

Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.1



#53

m,p-Xylene

Concen: 49.449 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.003 min

Lab File: VV036924.D

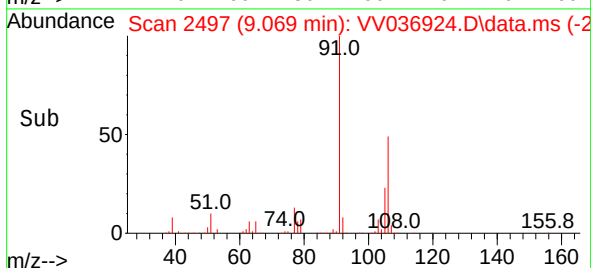
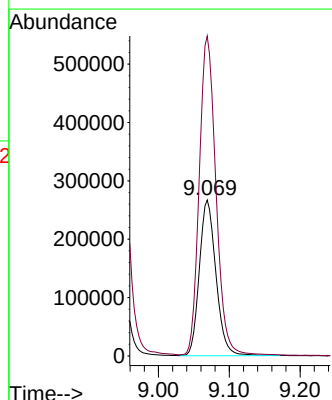
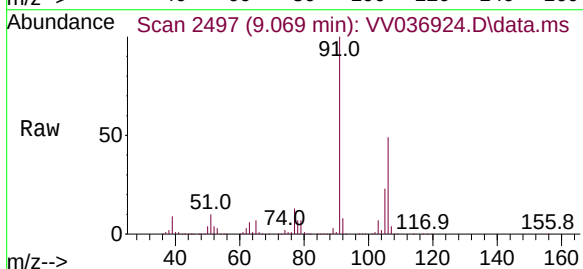
Acq: 13 Aug 2024 16:50

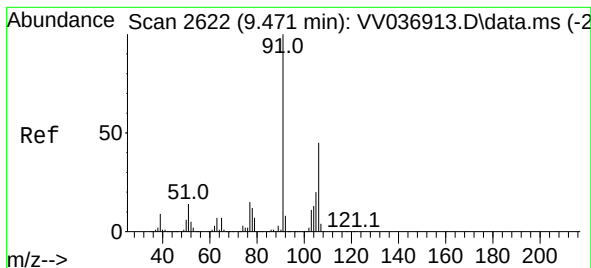
Tgt Ion:106 Resp: 433365

Ion Ratio Lower Upper

106 100

91 205.2 147.1 273.3





#54

o-Xylene

Concen: 49.871 ug/L

RT: 9.474 min Scan# 2622

Delta R.T. 0.003 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

Instrument :

MSVOA_V

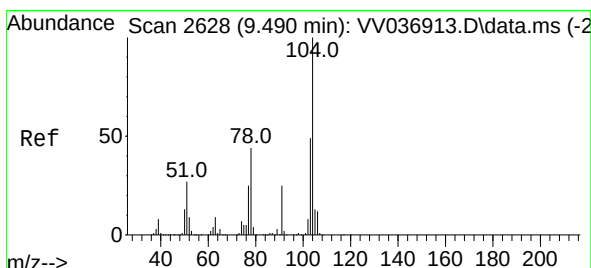
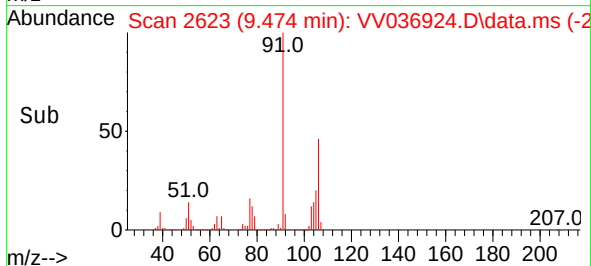
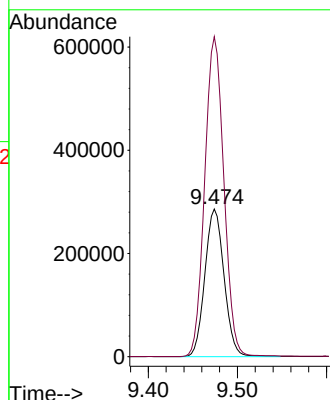
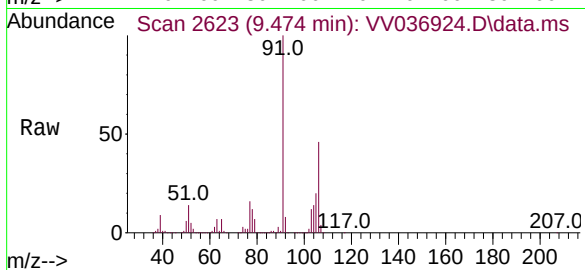
ClientSampleId :

Tgt Ion:106 Resp: 427485

Ion Ratio Lower Upper

106 100

91 216.8 154.5 286.9



#55

Styrene

Concen: 49.759 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. 0.003 min

Lab File: VV036924.D

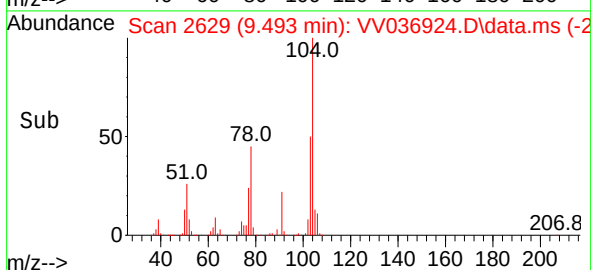
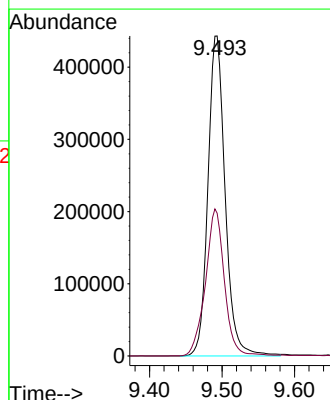
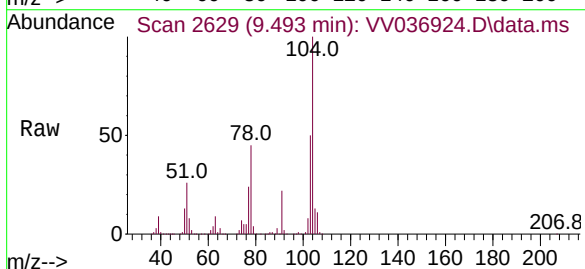
Acq: 13 Aug 2024 16:50

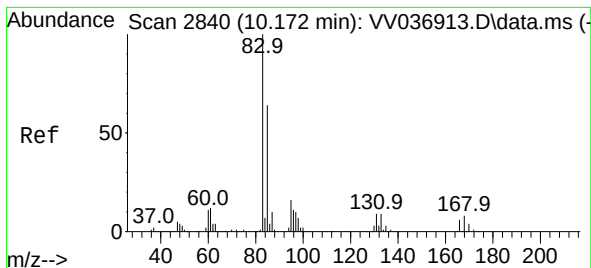
Tgt Ion:104 Resp: 730937

Ion Ratio Lower Upper

104 100

78 44.6 32.1 59.7





#57

1,1,2,2-Tetrachloroethane

Concen: 53.034 ug/L

RT: 10.172 min Scan# 2840

Delta R.T. -0.000 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

Instrument :

MSVOA_V

ClientSampleId :

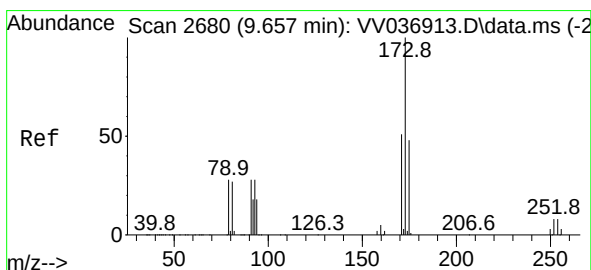
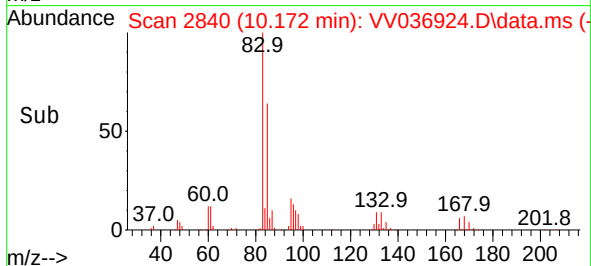
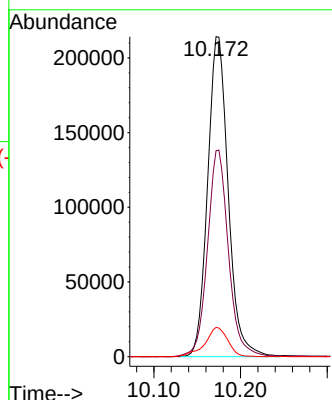
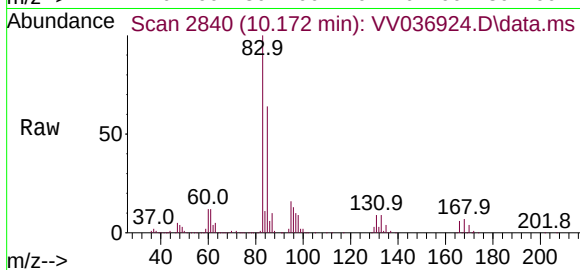
Tgt Ion: 83 Resp: 353914

Ion Ratio Lower Upper

83 100

85 64.4 44.7 83.1

131 9.1 7.2 10.8



#59

Bromoform

Concen: 46.266 ug/L

RT: 9.661 min Scan# 2681

Delta R.T. 0.003 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

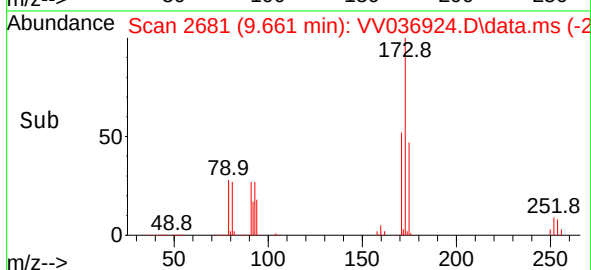
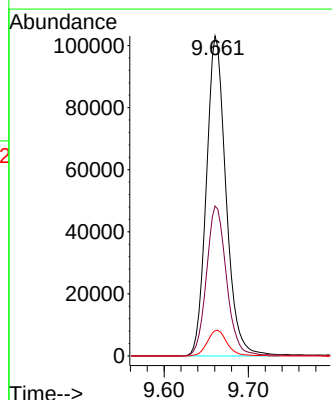
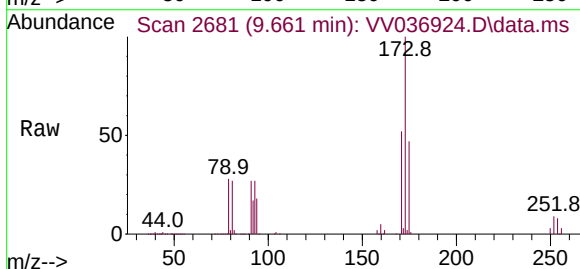
Tgt Ion: 173 Resp: 167022

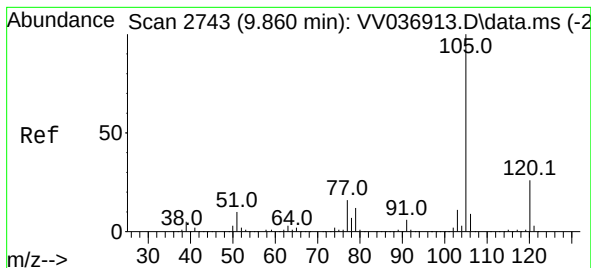
Ion Ratio Lower Upper

173 100

175 47.7 39.8 59.8

254 8.1 6.8 10.2





#60

Isopropylbenzene

Concen: 48.584 ug/L

RT: 9.863 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

Instrument :

MSVOA_V

ClientSampleId :

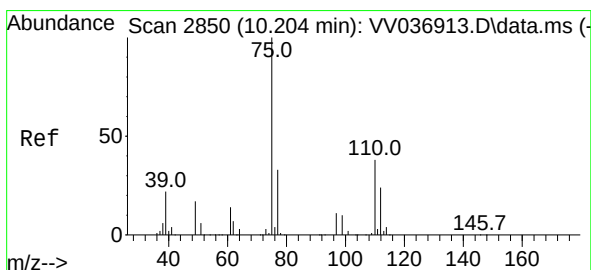
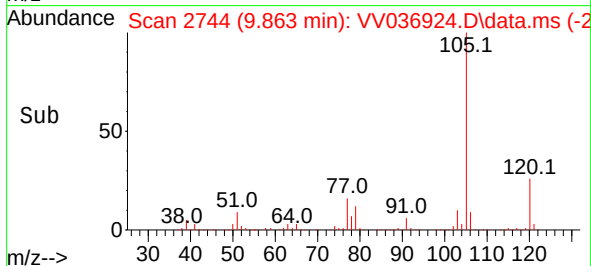
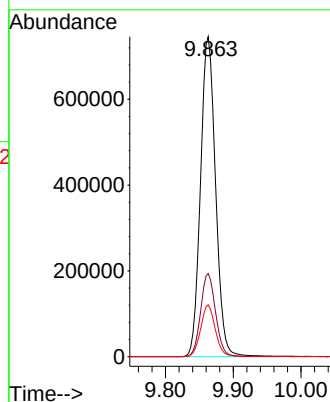
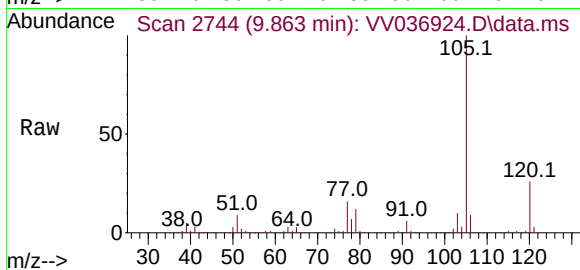
Tgt Ion:105 Resp: 1154200

Ion Ratio Lower Upper

105 100

120 25.7 20.3 30.5

77 15.6 13.1 19.7



#61

1,2,3-Trichloropropane

Concen: 48.408 ug/L

RT: 10.204 min Scan# 2850

Delta R.T. -0.000 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

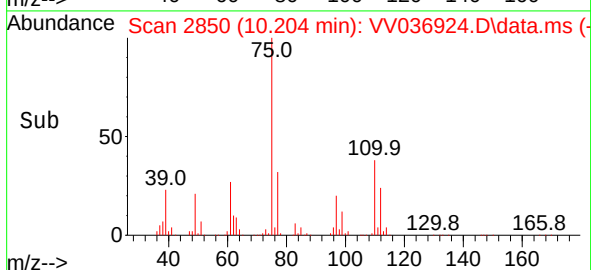
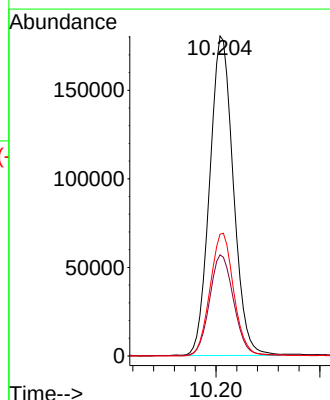
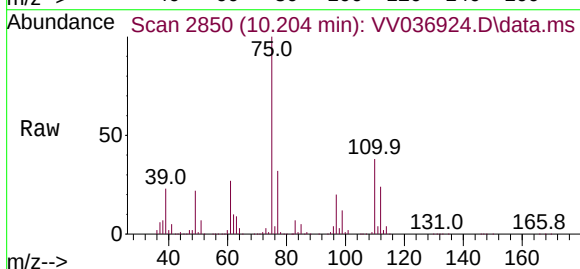
Tgt Ion: 75 Resp: 284367

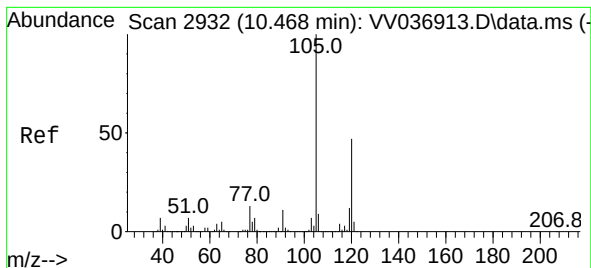
Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

110 38.5 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 48.046 ug/L

RT: 10.471 min Scan# 20

Delta R.T. 0.003 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

Instrument :

MSVOA_V

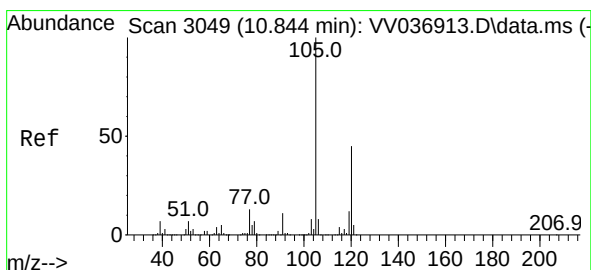
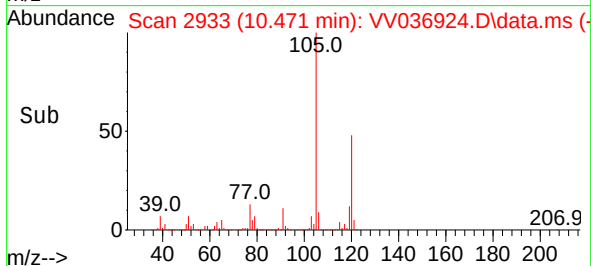
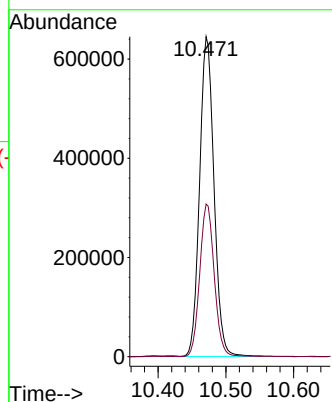
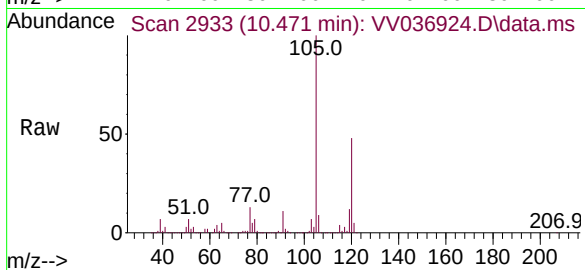
ClientSampleId :

Tgt Ion:105 Resp: 950290

Ion Ratio Lower Upper

105 100

120 48.0 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 47.677 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VV036924.D

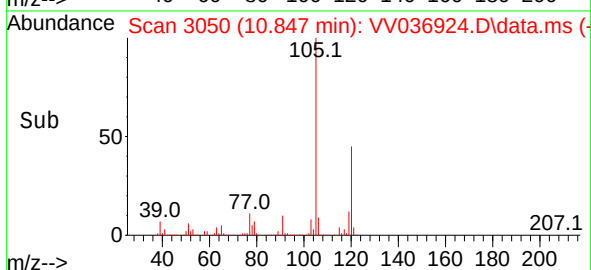
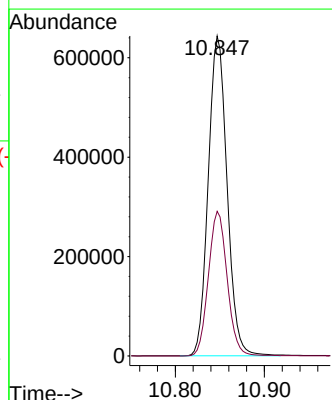
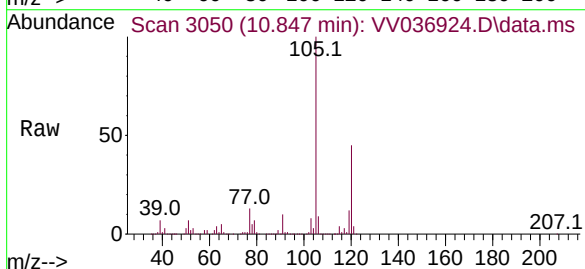
Acq: 13 Aug 2024 16:50

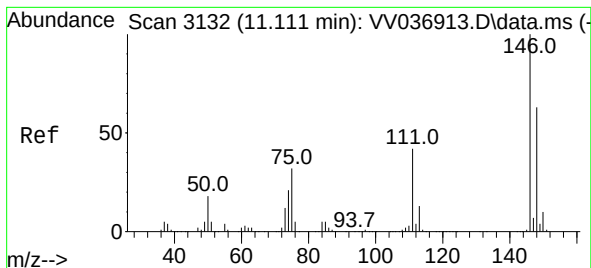
Tgt Ion:105 Resp: 943976

Ion Ratio Lower Upper

105 100

120 45.0 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 49.757 ug/L

RT: 11.114 min Scan# 3132

Delta R.T. 0.003 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

Instrument :

MSVOA_V

ClientSampleId :

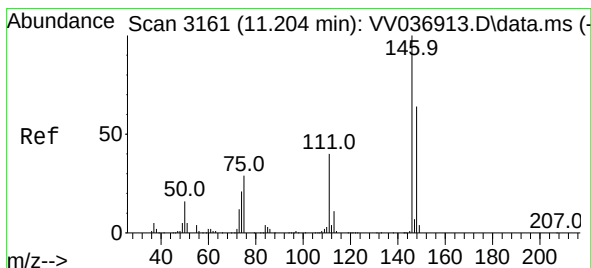
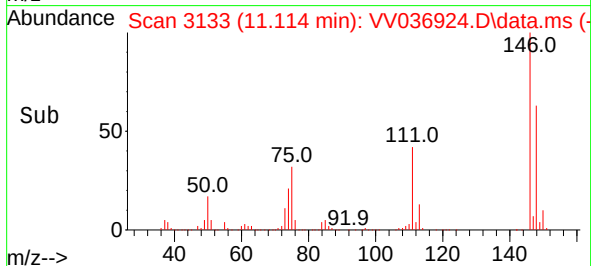
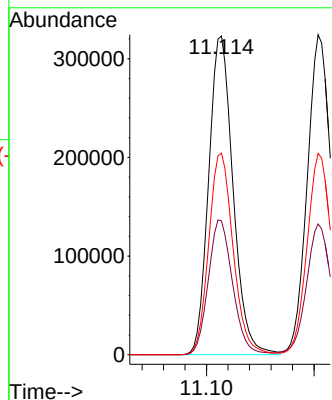
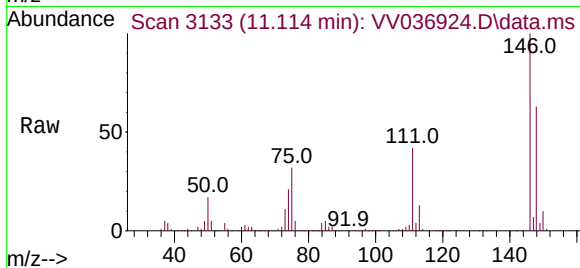
Tgt Ion:146 Resp: 508325

Ion Ratio Lower Upper

146 100

111 42.0 29.8 55.4

148 63.3 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 49.549 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.000 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

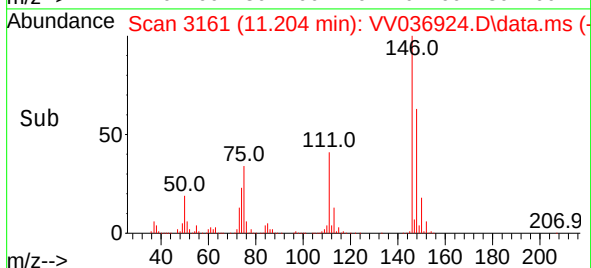
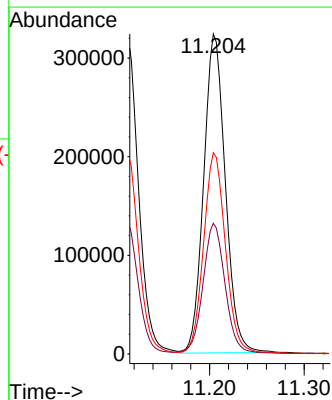
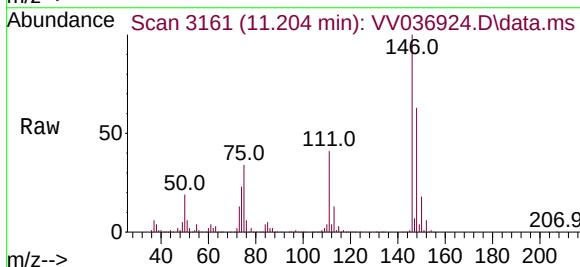
Tgt Ion:146 Resp: 514751

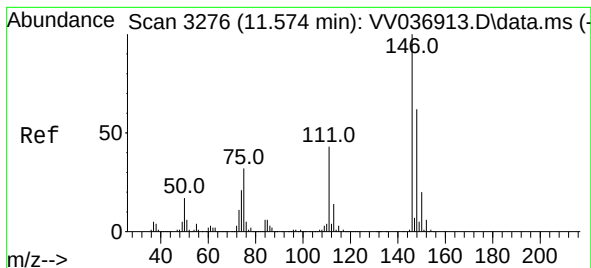
Ion Ratio Lower Upper

146 100

111 40.8 29.0 53.9

148 62.9 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 50.579 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. -0.000 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

Instrument :

MSVOA_V

ClientSampleId :

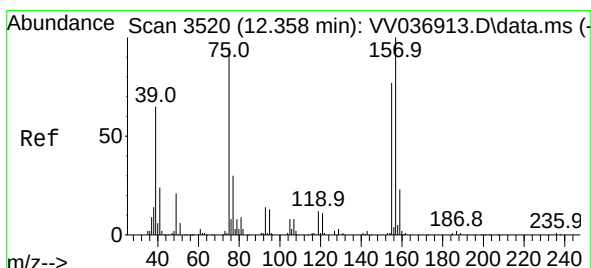
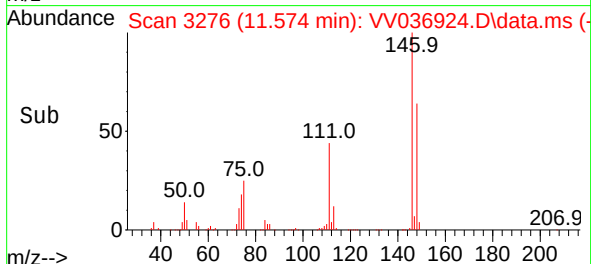
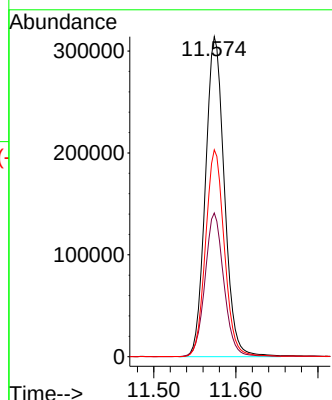
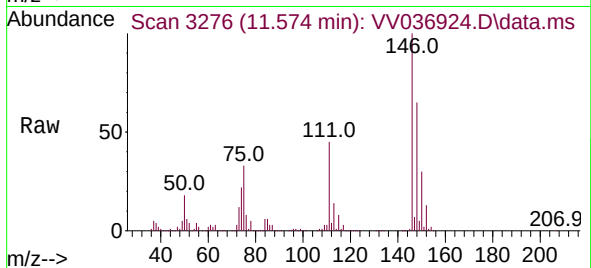
Tgt Ion:146 Resp: 504660

Ion Ratio Lower Upper

146 100

111 44.9 35.7 53.5

148 64.7 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 41.620 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. -0.000 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

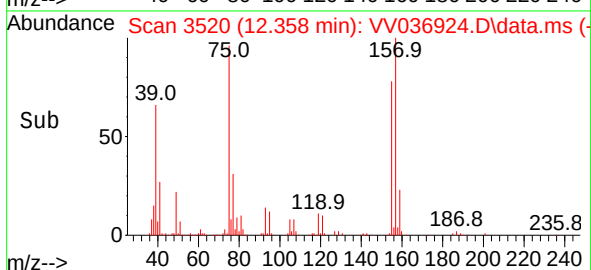
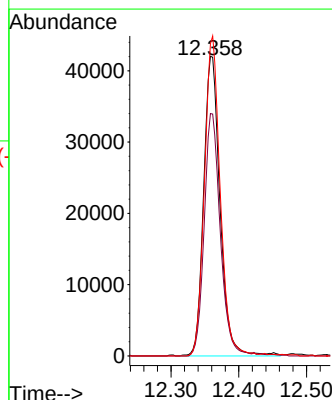
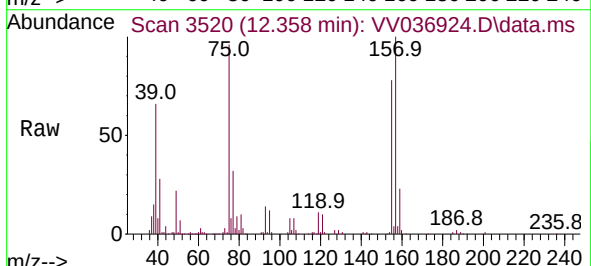
Tgt Ion: 75 Resp: 70652

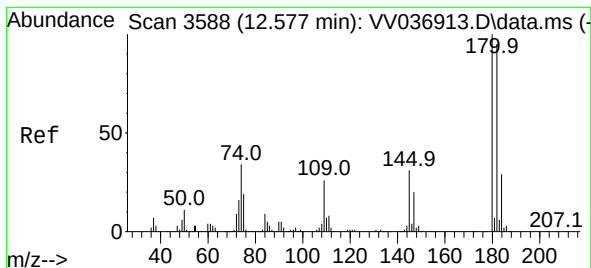
Ion Ratio Lower Upper

75 100

155 80.9 59.5 89.3

157 104.2 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 48.711 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. -0.000 min

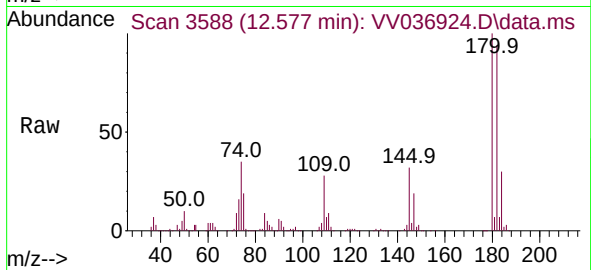
Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 353150

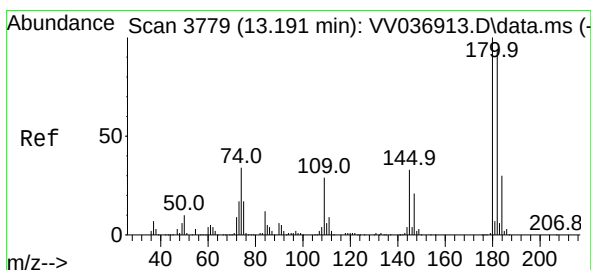
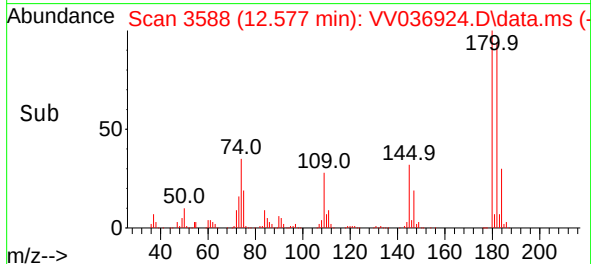
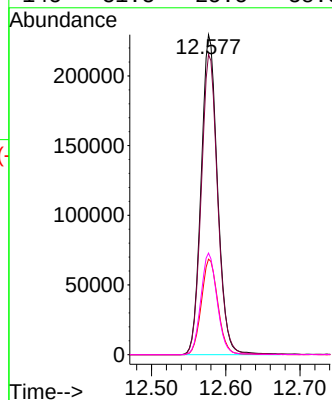
Ion Ratio Lower Upper

180 100

182 94.0 75.0 112.6

184 30.1 23.7 35.5

145 31.3 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 47.443 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.003 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

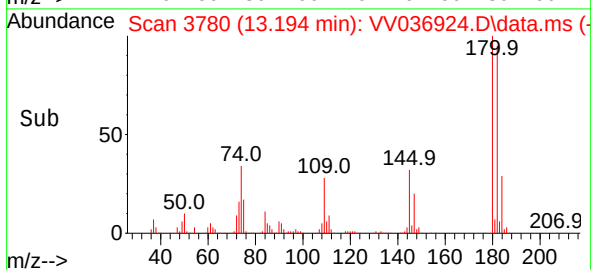
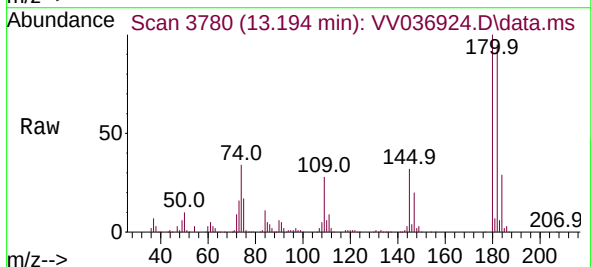
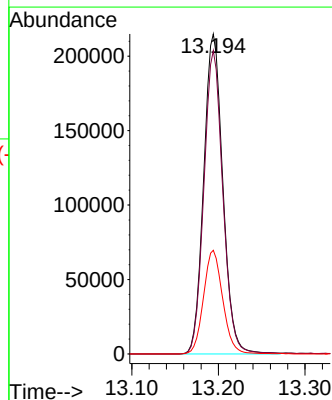
Tgt Ion:180 Resp: 329886

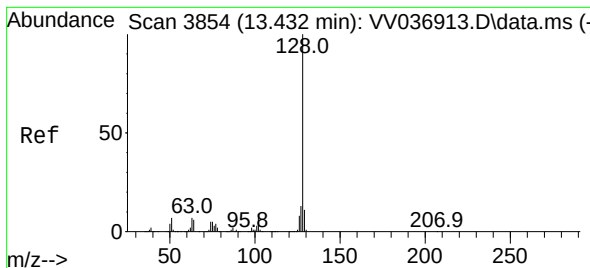
Ion Ratio Lower Upper

180 100

182 93.9 75.1 112.7

145 32.4 26.5 39.7





#71

Naphthalene

Concen: 44.788 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. -0.000 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

Instrument :

MSVOA_V

ClientSampleId :

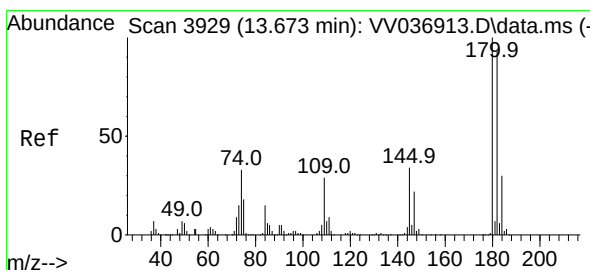
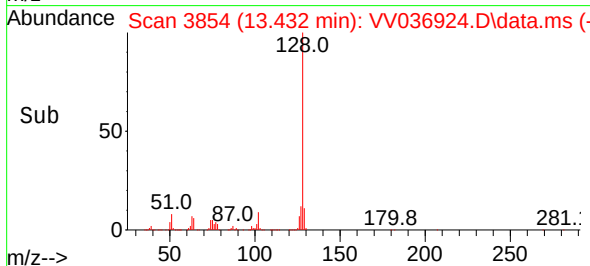
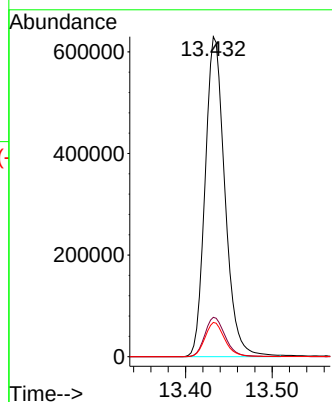
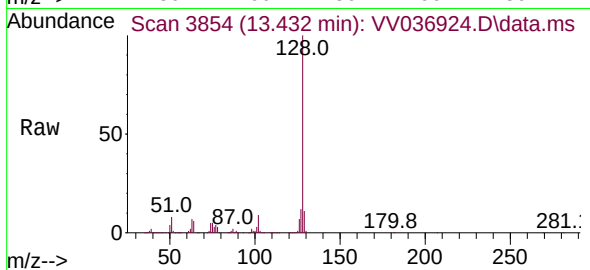
Tgt Ion:128 Resp: 998656

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 47.878 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. -0.000 min

Lab File: VV036924.D

Acq: 13 Aug 2024 16:50

Tgt Ion:180 Resp: 325874

Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

145 33.7 27.8 41.6

