

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082224\
 Data File : VV037001.D
 Acq On : 22 Aug 2024 10:22
 Operator : SY/MD
 Sample : VSTD100
 Misc : 5.00mL/10mL/MSVOA_V/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 23 04:47:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 04:43:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	692830	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	648888	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	316816	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	754130	77.682	ug/L	0.00
7) Chloroethane-d5	1.532	69	686297	82.646	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	382796	81.852	ug/L	0.00
21) 2-Butanone-d5	3.818	46	237580	134.436	ug/L	-0.03
24) Chloroform-d	4.243	84	1795875	91.981	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	815939	90.849	ug/L	0.00
32) Benzene-d6	4.953	84	3538709	91.007	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	1083735	88.241	ug/L	0.00
41) Toluene-d8	7.236	98	3303661	93.215	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.545	79	412956	100.546	ug/L	0.00
47) 2-Hexanone-d5	8.027	63	208847	206.943	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.146	84	623346	95.642	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.554	152	1041267	91.817	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	900847	83.249	ug/L	100
3) Chloromethane	1.217	50	1082546	86.408	ug/L	99
5) Vinyl chloride	1.281	62	1115905	89.938	ug/L	99
6) Bromomethane	1.487	94	717356	90.907	ug/L	99
8) Chloroethane	1.548	64	700272	89.356	ug/L	99
9) Trichlorofluoromethane	1.712	101	1465518	89.456	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	910323	90.160	ug/L	99
12) 1,1-Dichloroethene	2.069	96	860448	91.505	ug/L	95
13) Acetone	2.150	43	206620	107.189	ug/L	90
14) Carbon disulfide	2.240	76	2847288	91.443	ug/L	99
15) Methyl Acetate	2.384	43	306384	88.978	ug/L	95
16) Methylene chloride	2.445	84	939802	68.193	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	956026	92.882	ug/L	97
18) Methyl tert-butyl Ether	2.709	73	1974573	92.598	ug/L	99
19) 1,1-Dichloroethane	3.105	63	1827173	91.188	ug/L	100
20) cis-1,2-Dichloroethene	3.805	96	1057966	95.826	ug/L	99
22) 2-Butanone	3.905	43	318101	186.869	ug/L	95
23) Bromochloromethane	4.140	128	415937	94.934	ug/L	98
25) Chloroform	4.269	83	1828167	93.345	ug/L	99
27) 1,2-Dichloroethane	5.037	62	1031188	96.282	ug/L	99
29) Cyclohexane	4.574	56	1577051	93.687	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	1542416	94.268	ug/L	100
31) Carbon tetrachloride	4.728	117	1313329	95.104	ug/L	100
33) Benzene	5.002	78	3949963	93.378	ug/L	100
34) Trichloroethene	5.825	95	1118455	93.662	ug/L	99
35) Methylcyclohexane	6.043	83	1721628	93.244	ug/L	100
37) 1,2-Dichloropropane	6.088	63	999553	97.815	ug/L	99
38) Bromodichloromethane	6.426	83	1249540	98.444	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	1548489	103.175	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	819522	190.397	ug/L	98
42) Toluene	7.310	91	4230524	95.462	ug/L	99
44) trans-1,3-Dichloropropene	7.574	75	1199142	105.617	ug/L	99

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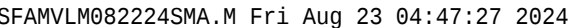
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 04:43:11 2024
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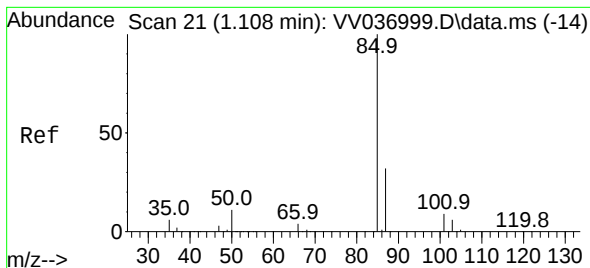
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.764	97	638590	95.224	ug/L	99
46) Tetrachloroethene	7.899	164	769674	91.162	ug/L	97
48) 2-Hexanone	8.075	43	566328	189.011	ug/L	97
49) Dibromochloromethane	8.172	129	735730	99.721	ug/L	99
50) 1,2-Dibromoethane	8.275	107	591163	97.679	ug/L	99
51) Chlorobenzene	8.809	112	2665241	94.176	ug/L	99
52) Ethylbenzene	8.940	91	4829890	96.654	ug/L	99
53) m,p-Xylene	9.066	106	1825933	98.349	ug/L	98
54) o-Xylene	9.471	106	1757448	99.095	ug/L	100
55) Styrene	9.490	104	2965568	101.314	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	603897	97.270	ug/L	98
59) Bromoform	9.661	173	383526	106.890	ug/L	97
60) Isopropylbenzene	9.860	105	4814201	96.373	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	486713	95.267	ug/L	100
62) 1,3,5-Trimethylbenzene	10.471	105	4035339	98.669	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	3963969	99.439	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	2035787	95.359	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	1988512	93.252	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	1763065	95.318	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	104179	104.180	ug/L	90
69) 1,3,5-Trichlorobenzene	12.577	180	1440447	96.818	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	1173332	98.550	ug/L	100
71) Naphthalene	13.432	128	1906848	106.318	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	976186	99.027	ug/L	99

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

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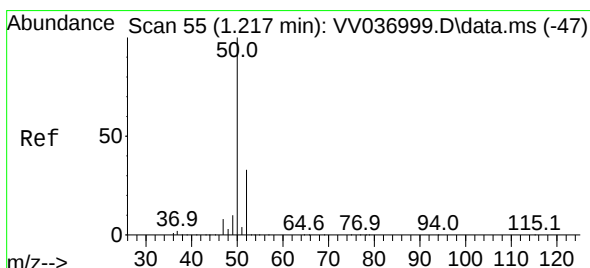
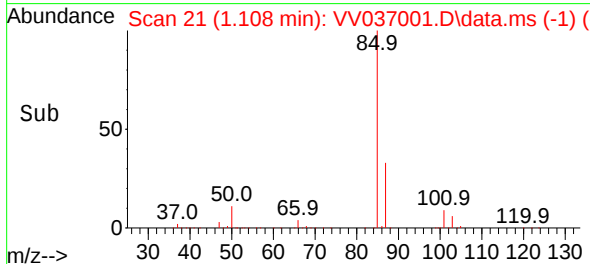
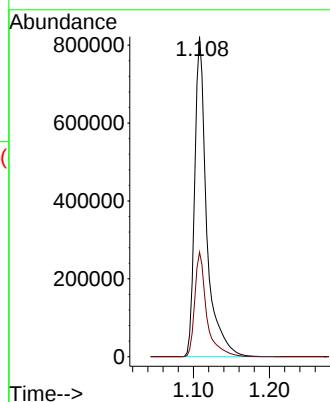
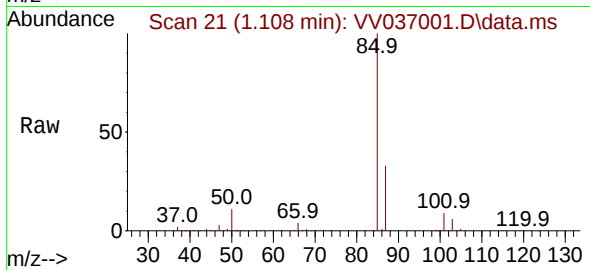




#2
Dichlorodifluoromethane
Concen: 83.249 ug/L
RT: 1.108 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV037001.D
Acq: 22 Aug 2024 10:22

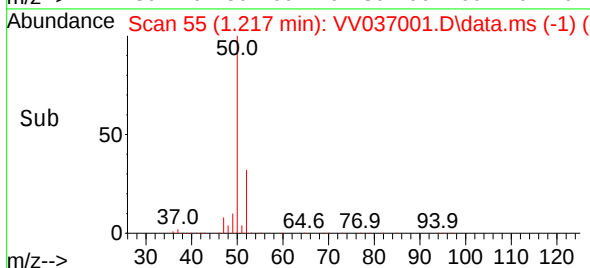
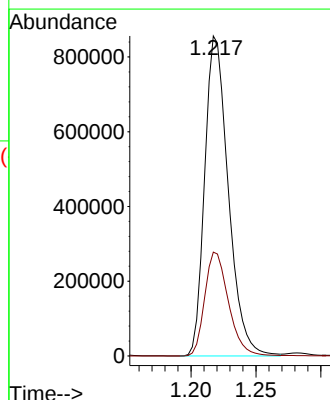
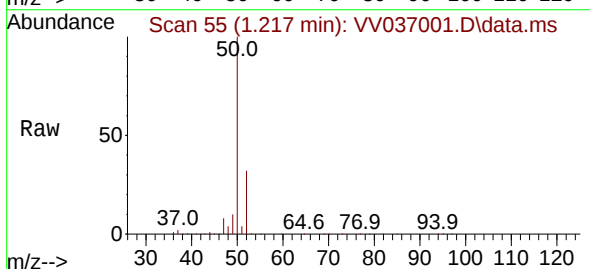
Instrument :
MSVOA_V
ClientSampleId :

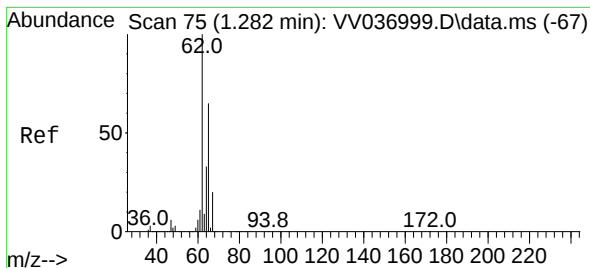
Tgt Ion: 85 Resp: 900847
Ion Ratio Lower Upper
85 100
87 32.4 26.1 39.1



#3
Chloromethane
Concen: 86.408 ug/L
RT: 1.217 min Scan# 55
Delta R.T. -0.000 min
Lab File: VV037001.D
Acq: 22 Aug 2024 10:22

Tgt Ion: 50 Resp: 1082546
Ion Ratio Lower Upper
50 100
52 32.5 23.2 43.2





#5

Vinyl chloride

Concen: 89.938 ug/L

RT: 1.281 min Scan# 75

Delta R.T. -0.000 min MSVOA_V

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

Instrument :

MSVOA_V

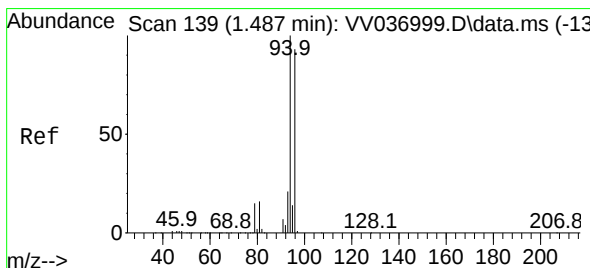
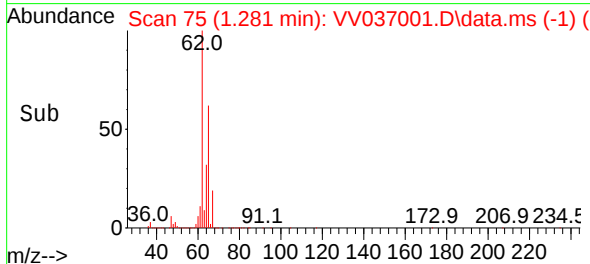
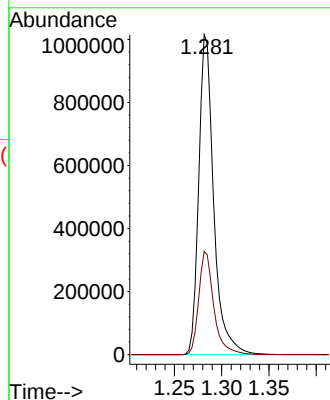
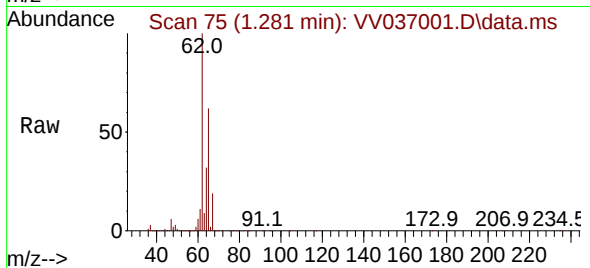
ClientSampleId :

Tgt Ion: 62 Resp: 1115905

Ion Ratio Lower Upper

62 100

64 32.3 22.8 42.4



#6

Bromomethane

Concen: 90.907 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.000 min

Lab File: VV037001.D

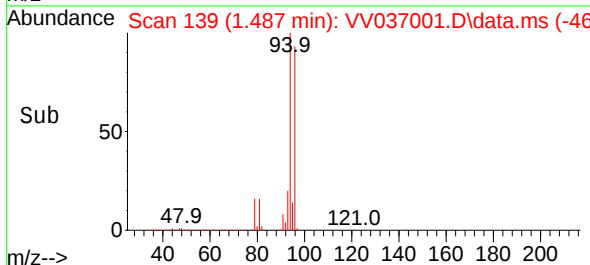
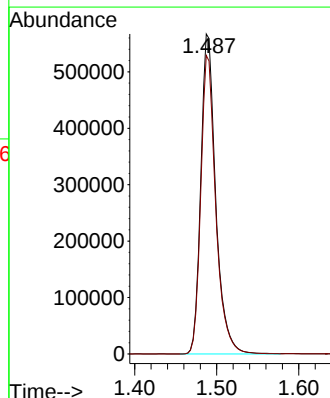
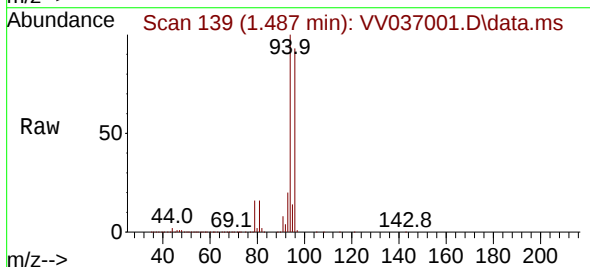
Acq: 22 Aug 2024 10:22

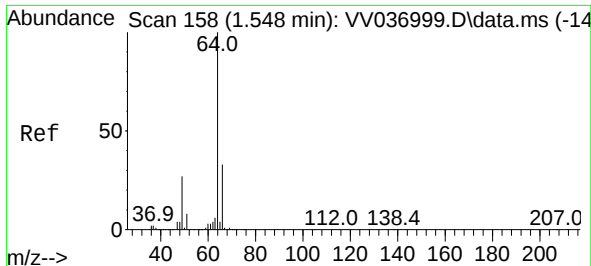
Tgt Ion: 94 Resp: 717356

Ion Ratio Lower Upper

94 100

96 93.3 65.0 120.6

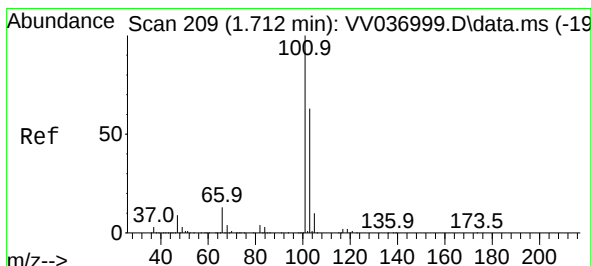
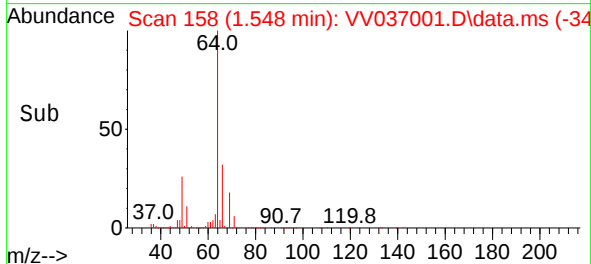
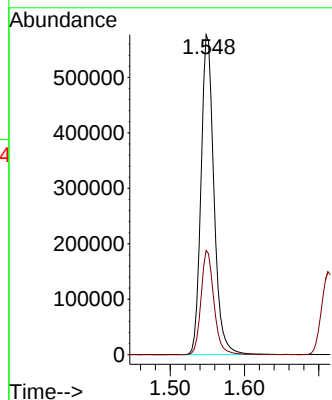
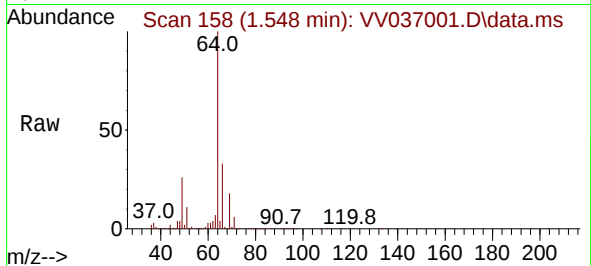




#8
Chloroethane
Concen: 89.356 ug/L
RT: 1.548 min Scan# 158
Delta R.T. -0.000 min
Lab File: VV037001.D
Acq: 22 Aug 2024 10:22

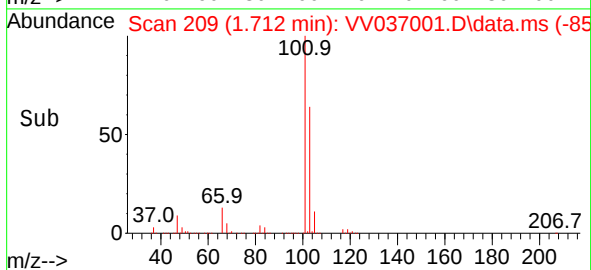
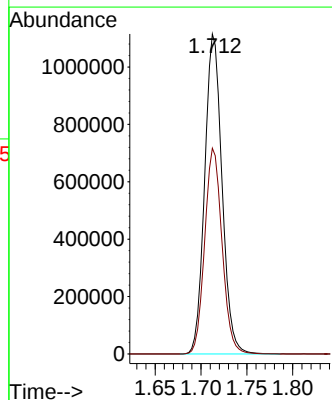
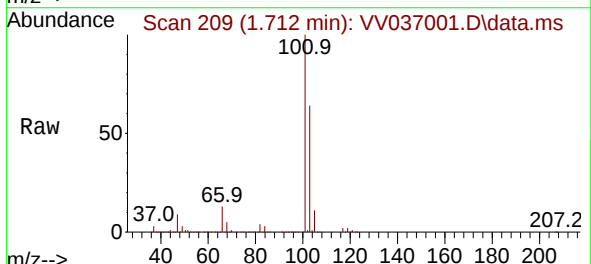
Instrument :
MSVOA_V
ClientSampleId :

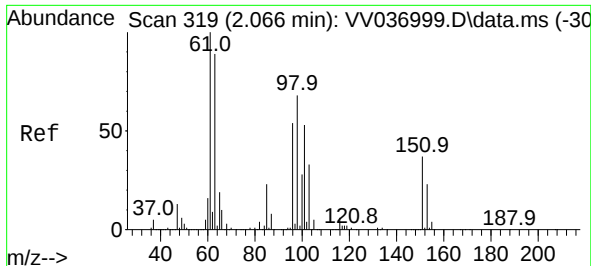
Tgt Ion: 64 Resp: 700272
Ion Ratio Lower Upper
64 100
66 32.6 23.2 43.0



#9
Trichlorofluoromethane
Concen: 89.456 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV037001.D
Acq: 22 Aug 2024 10:22

Tgt Ion:101 Resp: 1465518
Ion Ratio Lower Upper
101 100
103 64.4 51.0 76.6

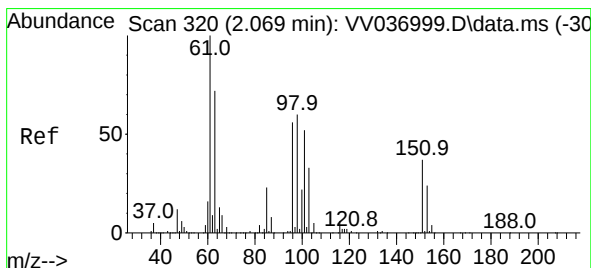
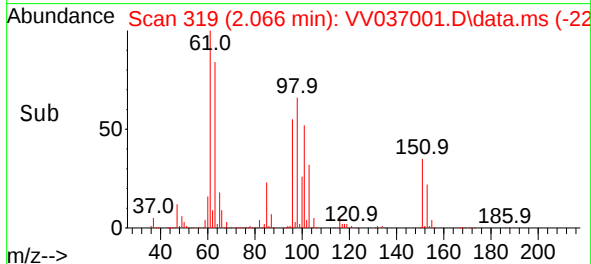
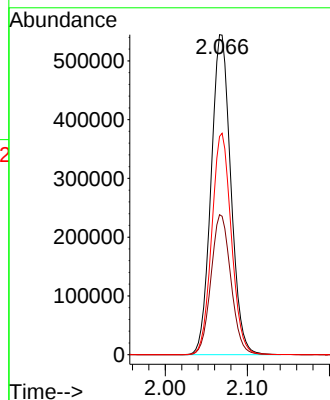
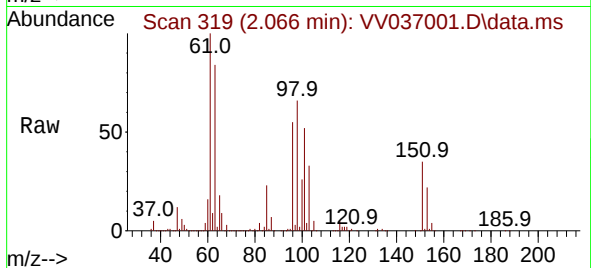




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 90.160 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.000 min
 Lab File: VV037001.D
 Acq: 22 Aug 2024 10:22

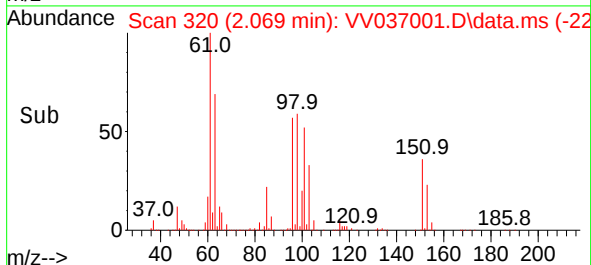
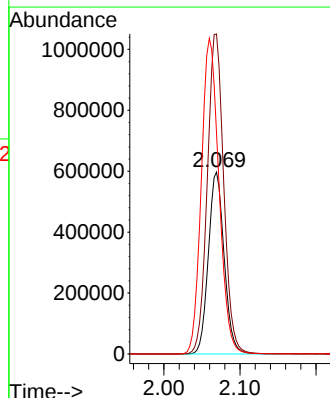
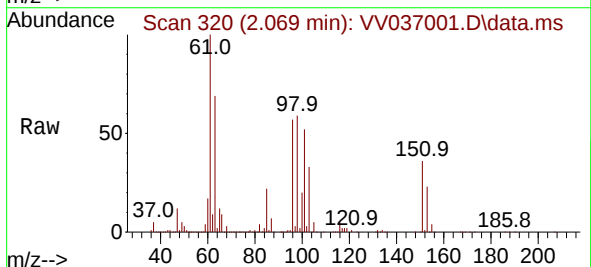
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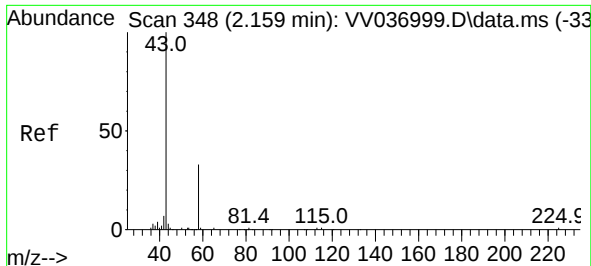
Tgt Ion:101 Resp: 910323
 Ion Ratio Lower Upper
 101 100
 85 44.0 35.6 53.4
 151 68.8 56.3 84.5



#12
 1,1-Dichloroethene
 Concen: 91.505 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV037001.D
 Acq: 22 Aug 2024 10:22

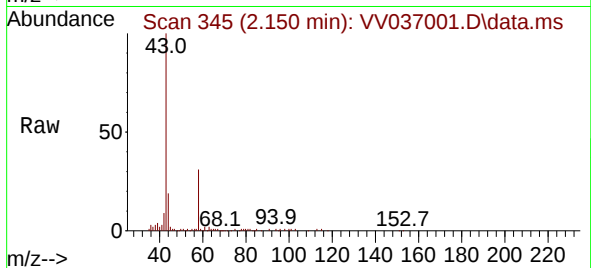
Tgt Ion: 96 Resp: 860448
 Ion Ratio Lower Upper
 96 100
 61 175.8 126.0 234.0
 63 121.5 91.0 169.0



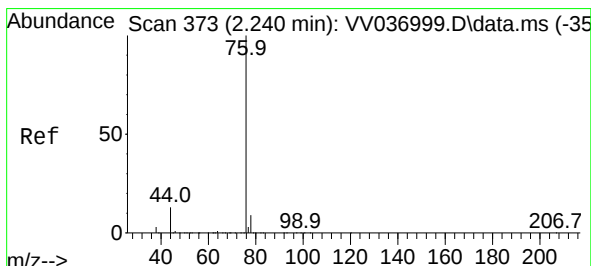
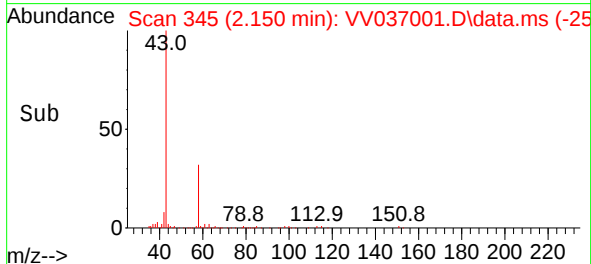
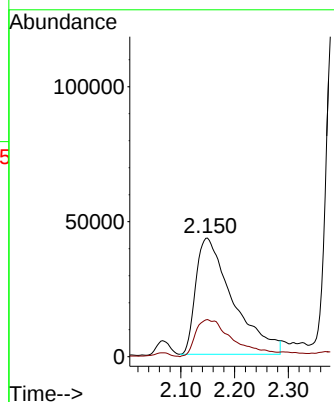


#13
Acetone
Concen: 107.189 ug/L
RT: 2.150 min Scan# 348
Delta R.T. -0.010 min
Lab File: VV037001.D
Acq: 22 Aug 2024 10:22

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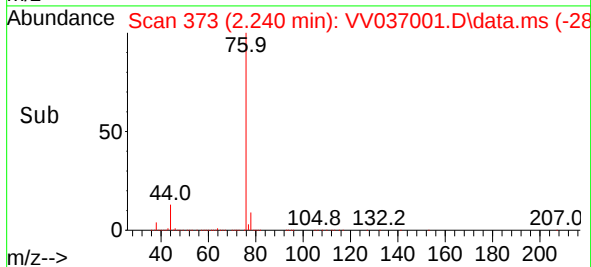
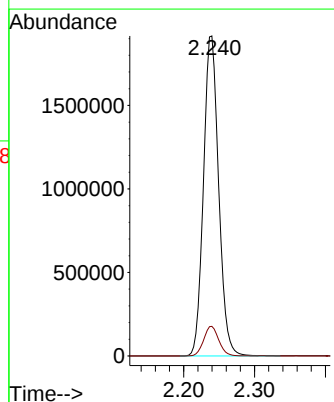
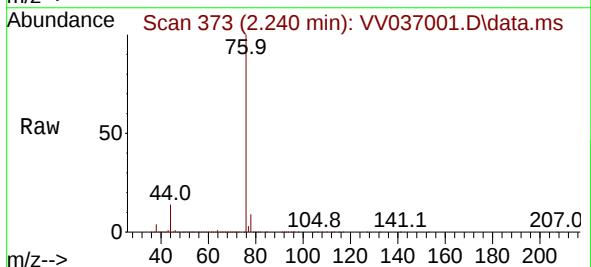


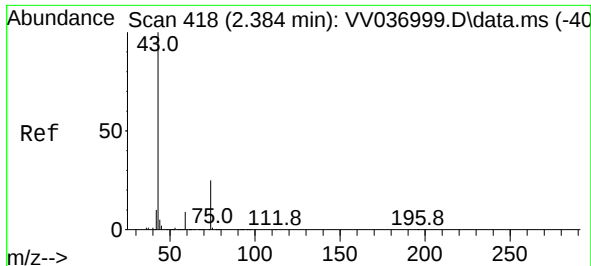
Tgt Ion: 43 Resp: 206620
Ion Ratio Lower Upper
43 100
58 14.5 0.0 21.2



#14
Carbon disulfide
Concen: 91.443 ug/L
RT: 2.240 min Scan# 373
Delta R.T. -0.000 min
Lab File: VV037001.D
Acq: 22 Aug 2024 10:22

Tgt Ion: 76 Resp: 2847288
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7





#15

Methyl Acetate

Concen: 88.978 ug/L

RT: 2.384 min Scan# 418

Delta R.T. -0.000 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

Instrument :

MSVOA_V

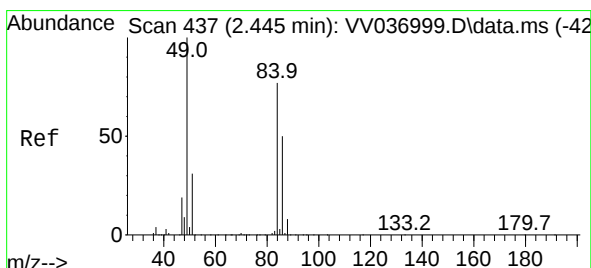
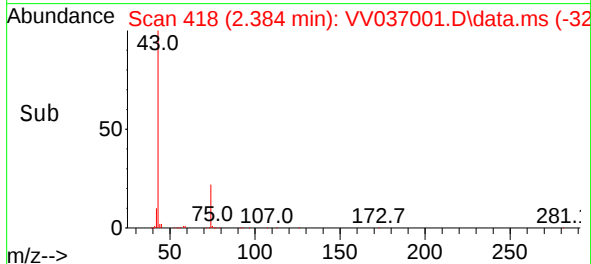
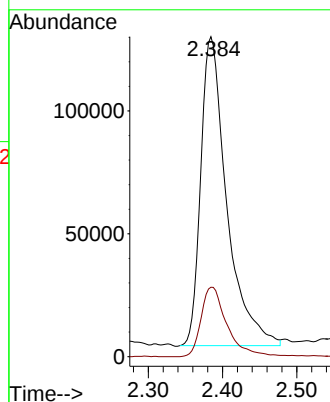
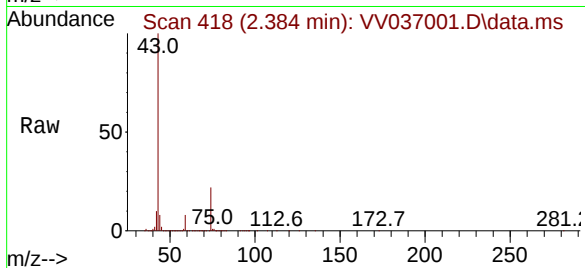
ClientSampleId :

Tgt Ion: 43 Resp: 306384

Ion Ratio Lower Upper

43 100

74 22.2 19.6 29.4



#16

Methylene chloride

Concen: 68.193 ug/L

RT: 2.445 min Scan# 437

Delta R.T. -0.000 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

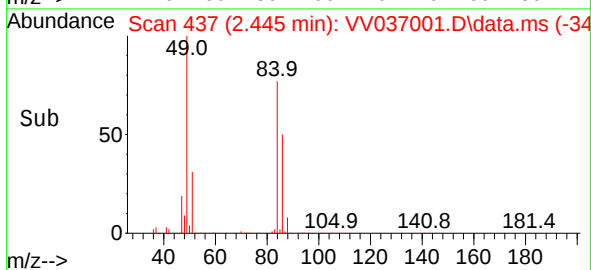
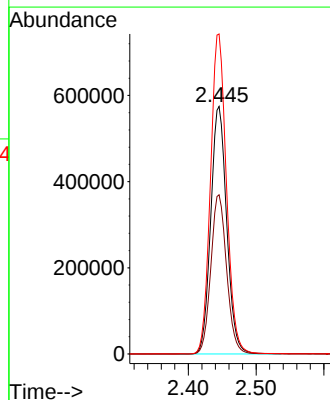
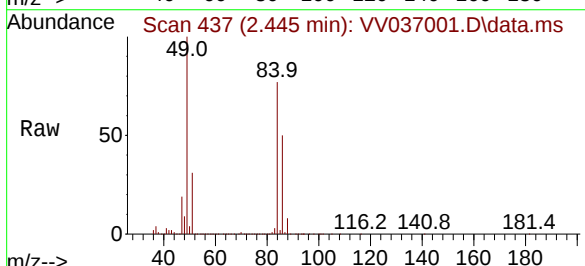
Tgt Ion: 84 Resp: 939802

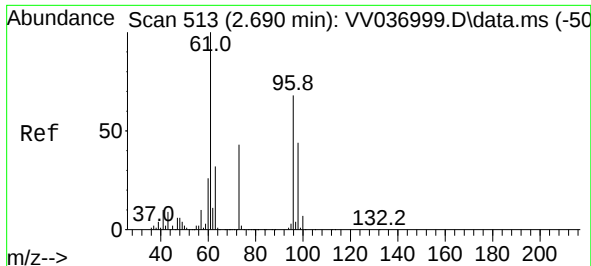
Ion Ratio Lower Upper

84 100

86 64.4 45.4 84.2

49 129.3 91.2 169.4





#17

trans-1,2-Dichloroethene

Concen: 92.882 ug/L

RT: 2.690 min Scan# 513

Delta R.T. -0.000 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :

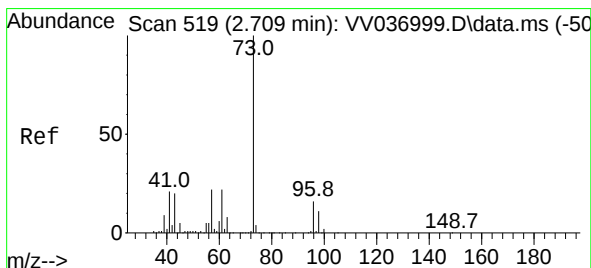
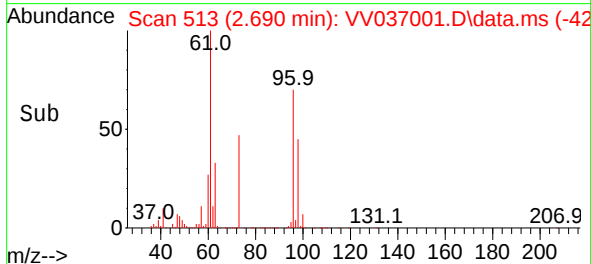
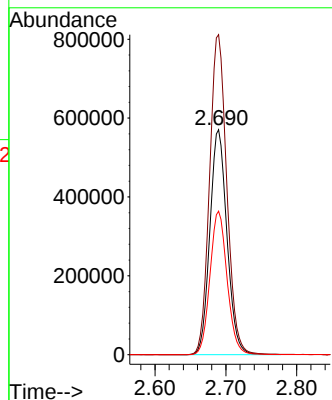
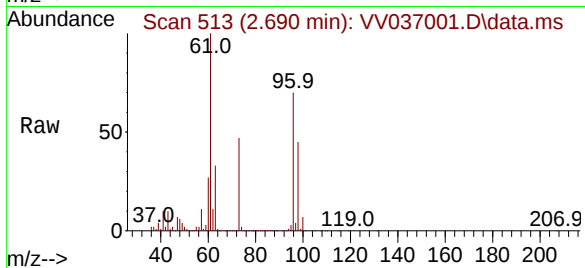
Tgt Ion: 96 Resp: 956026

Ion Ratio Lower Upper

96 100

61 142.3 103.3 191.9

98 63.9 45.0 83.6



#18

Methyl tert-butyl Ether

Concen: 92.598 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.000 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

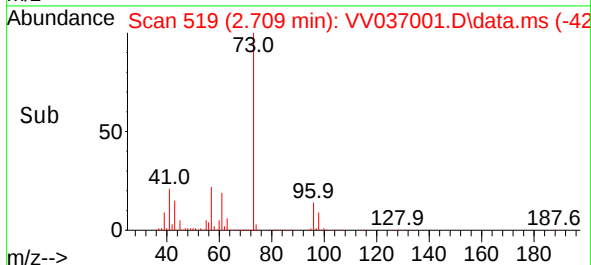
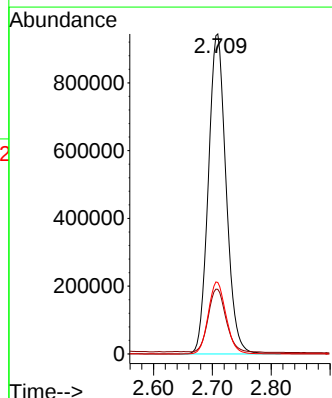
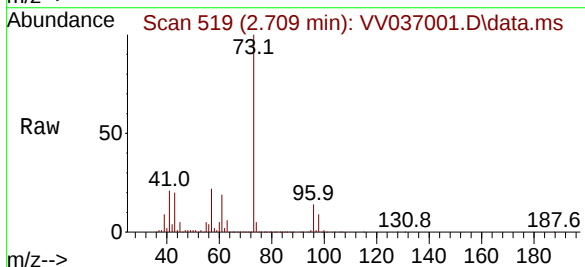
Tgt Ion: 73 Resp: 1974573

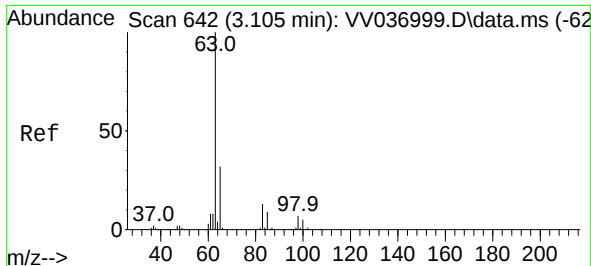
Ion Ratio Lower Upper

73 100

43 19.6 15.9 23.9

57 22.5 17.6 26.4

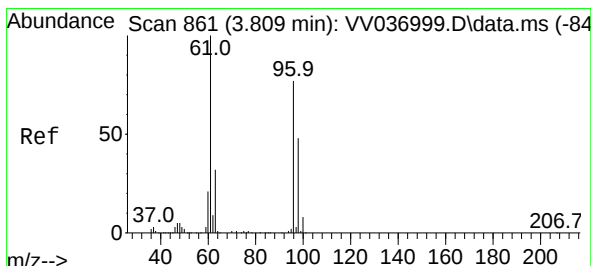
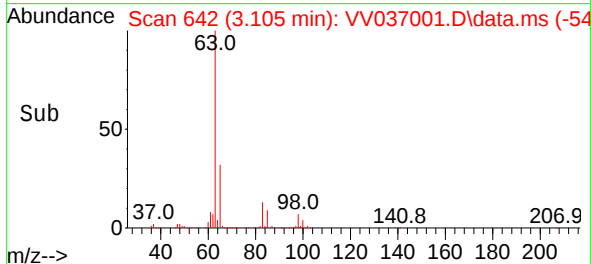
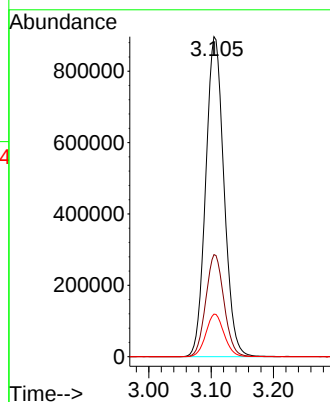
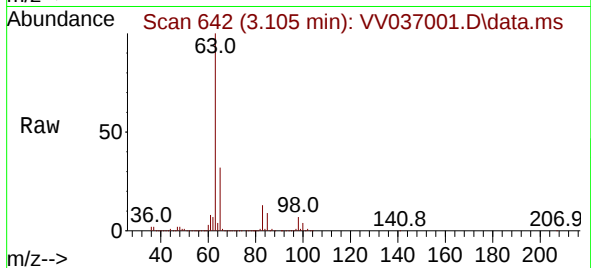




#19
1,1-Dichloroethane
Concen: 91.188 ug/L
RT: 3.105 min Scan# 642
Delta R.T. -0.000 min
Lab File: VV037001.D
Acq: 22 Aug 2024 10:22

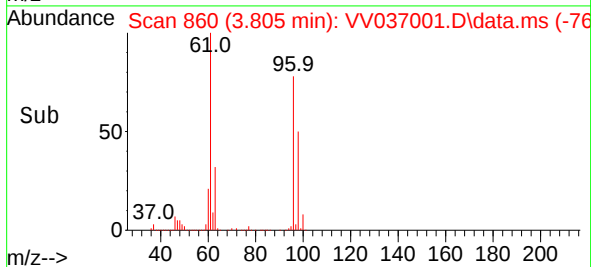
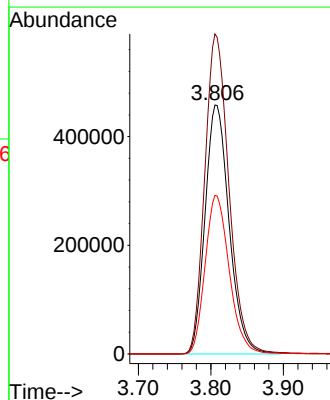
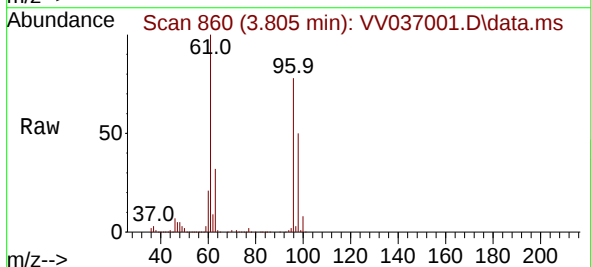
Instrument :
MSVOA_V
ClientSampleId :

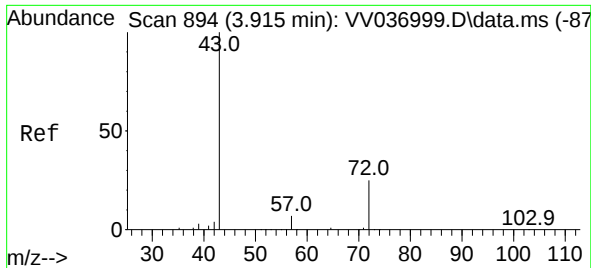
Tgt Ion: 63 Resp: 1827173
Ion Ratio Lower Upper
63 100
65 31.9 22.3 41.3
83 13.3 9.0 16.6



#20
cis-1,2-Dichloroethene
Concen: 95.826 ug/L
RT: 3.805 min Scan# 860
Delta R.T. -0.003 min
Lab File: VV037001.D
Acq: 22 Aug 2024 10:22

Tgt Ion: 96 Resp: 1057966
Ion Ratio Lower Upper
96 100
61 128.5 91.0 169.0
98 63.7 43.8 81.3

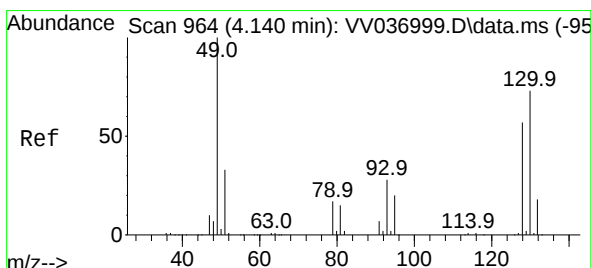
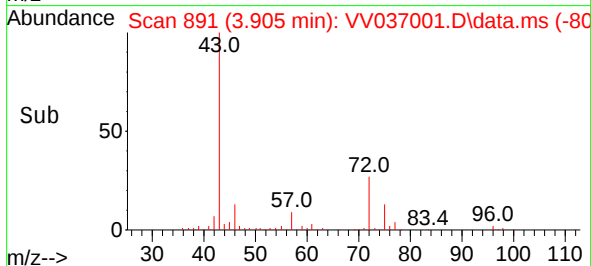
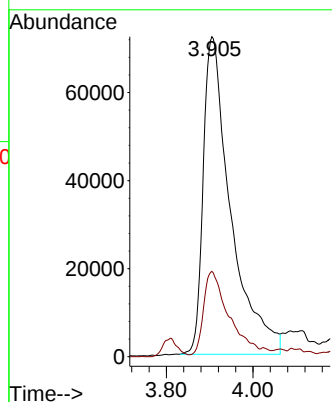
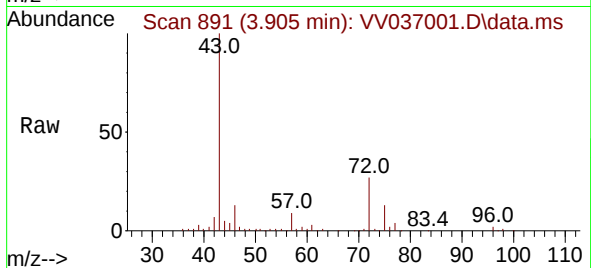




#22
2-Butanone
Concen: 186.869 ug/L
RT: 3.905 min Scan# 894
Delta R.T. -0.010 min
Lab File: VV037001.D
Acq: 22 Aug 2024 10:22

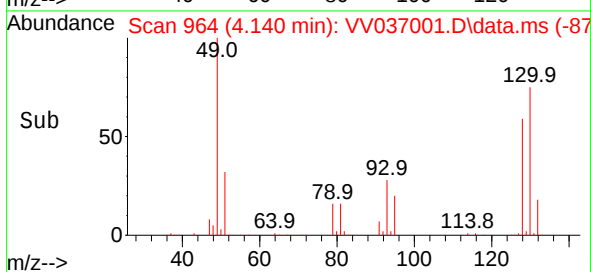
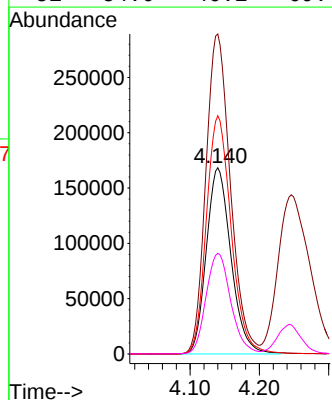
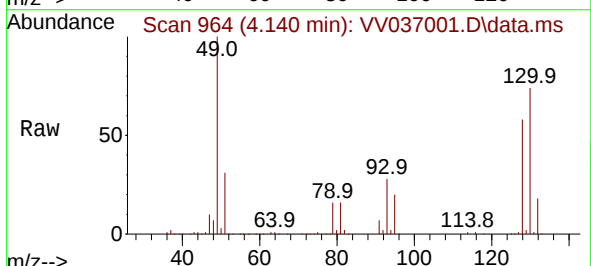
Instrument :
MSVOA_V
ClientSampleId :

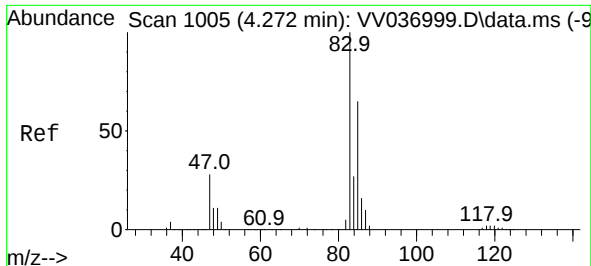
Tgt Ion: 43 Resp: 318101
Ion Ratio Lower Upper
43 100
72 23.8 10.7 32.1



#23
Bromochloromethane
Concen: 94.934 ug/L
RT: 4.140 min Scan# 964
Delta R.T. -0.000 min
Lab File: VV037001.D
Acq: 22 Aug 2024 10:22

Tgt Ion:128 Resp: 415937
Ion Ratio Lower Upper
128 100
49 171.8 123.3 229.1
130 127.9 89.7 166.5
51 54.0 46.2 69.4





#25

Chloroform

Concen: 93.345 ug/L

RT: 4.269 min Scan# 1004

Delta R.T. -0.003 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

Instrument :

MSVOA_V

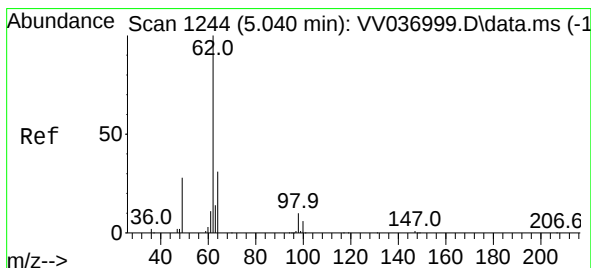
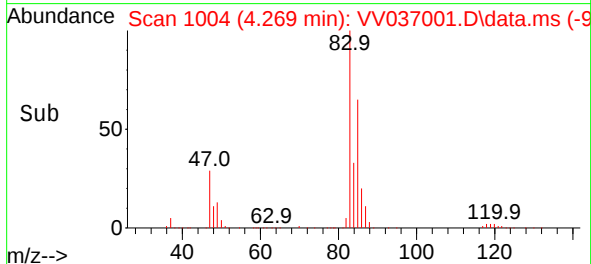
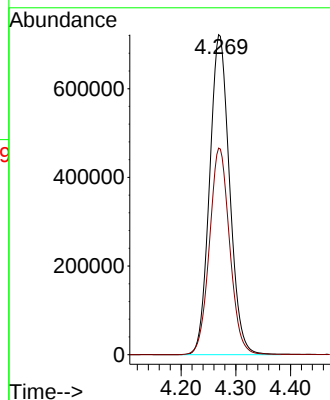
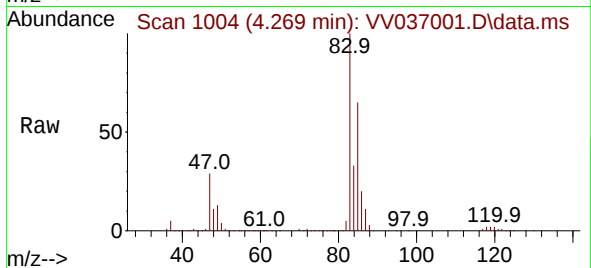
ClientSampleId :

Tgt Ion: 83 Resp: 1828167

Ion Ratio Lower Upper

83 100

85 64.6 45.5 84.5



#27

1,2-Dichloroethane

Concen: 96.282 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.003 min

Lab File: VV037001.D

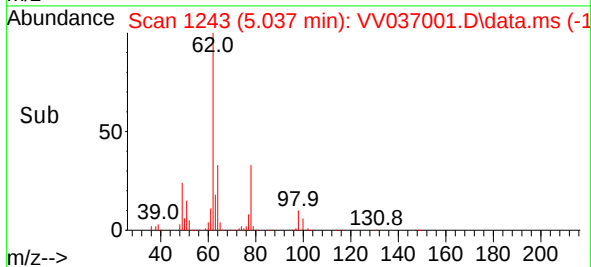
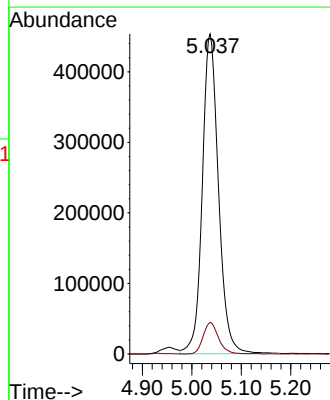
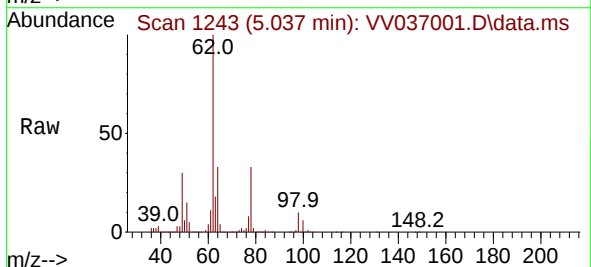
Acq: 22 Aug 2024 10:22

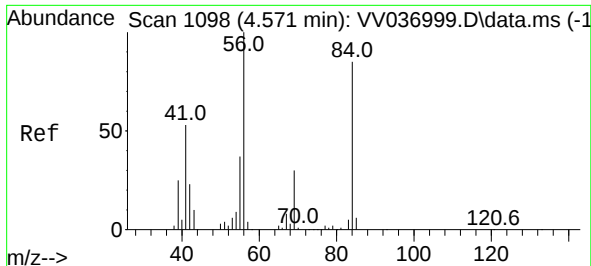
Tgt Ion: 62 Resp: 1031188

Ion Ratio Lower Upper

62 100

98 9.9 7.5 11.3





#29

Cyclohexane

Concen: 93.687 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.003 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :

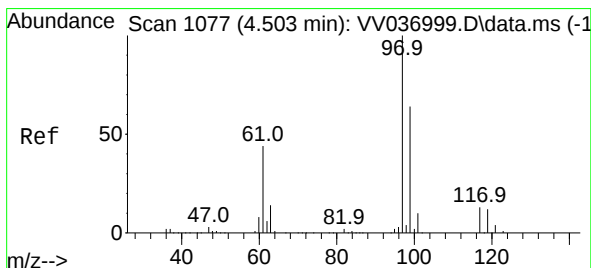
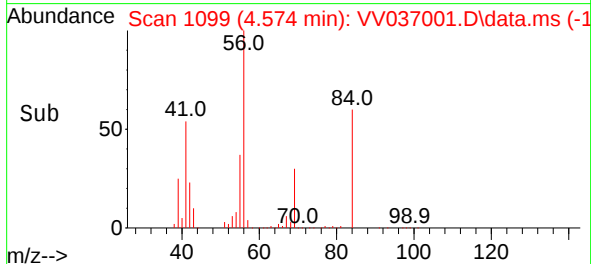
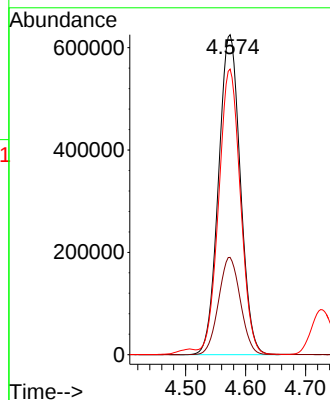
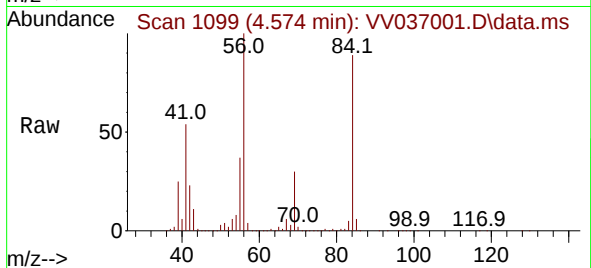
Tgt Ion: 56 Resp: 1577051

Ion Ratio Lower Upper

56 100

69 30.4 24.7 37.1

84 88.8 70.0 105.0



#30

1,1,1-Trichloroethane

Concen: 94.268 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

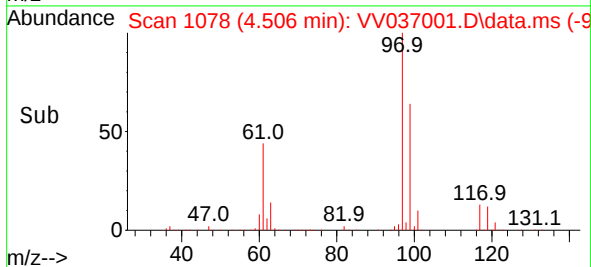
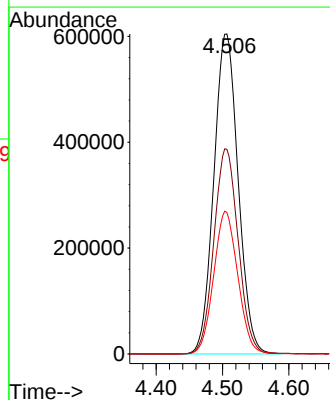
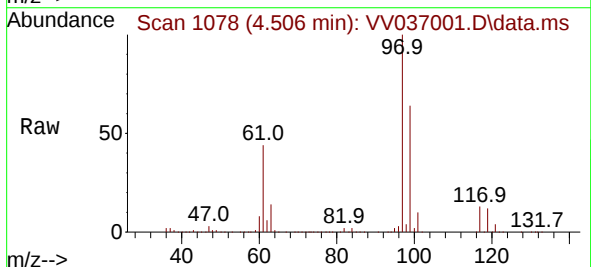
Tgt Ion: 97 Resp: 1542416

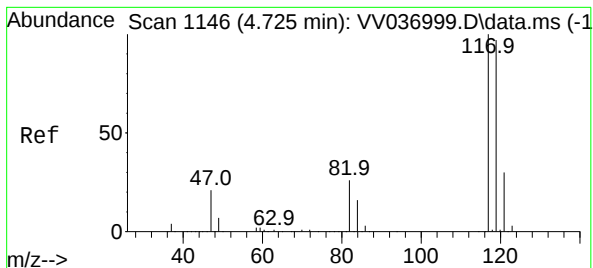
Ion Ratio Lower Upper

97 100

99 64.0 51.0 76.4

61 44.2 35.0 52.6





#31

Carbon tetrachloride

Concen: 95.104 ug/L

RT: 4.728 min Scan# 1146

Delta R.T. 0.003 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

Instrument :

MSVOA_V

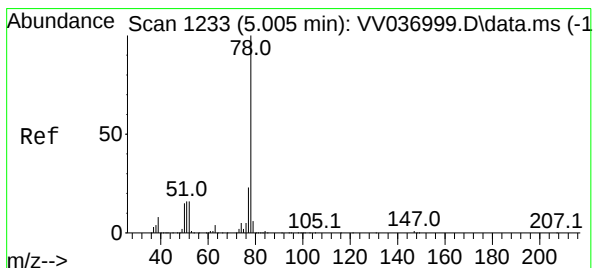
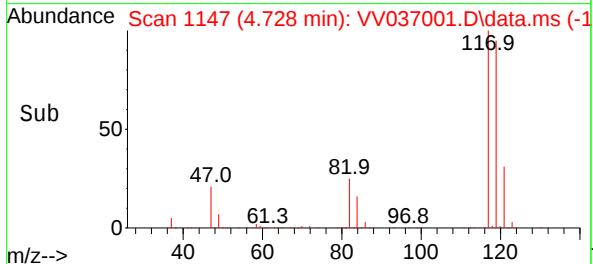
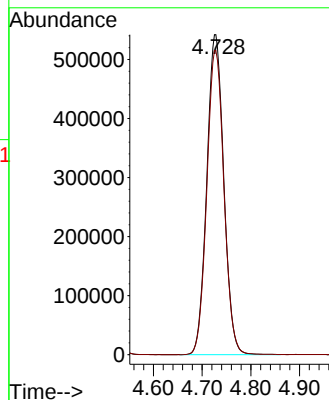
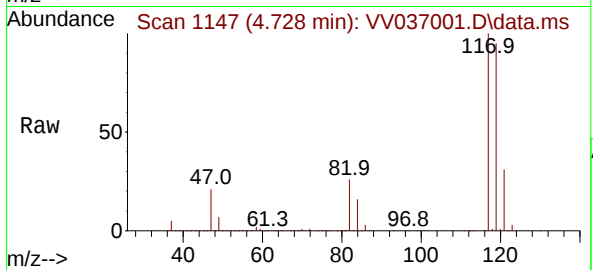
ClientSampleId :

Tgt Ion:117 Resp: 1313329

Ion Ratio Lower Upper

117 100

119 95.8 76.6 115.0



#33

Benzene

Concen: 93.378 ug/L

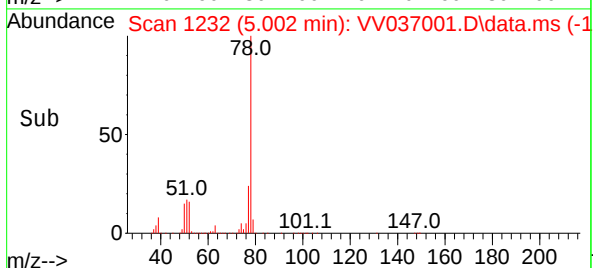
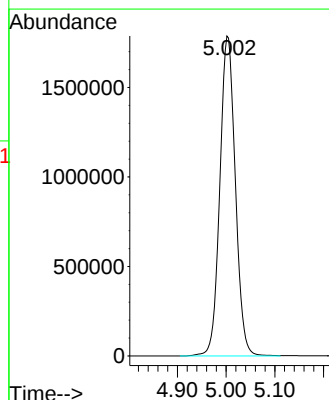
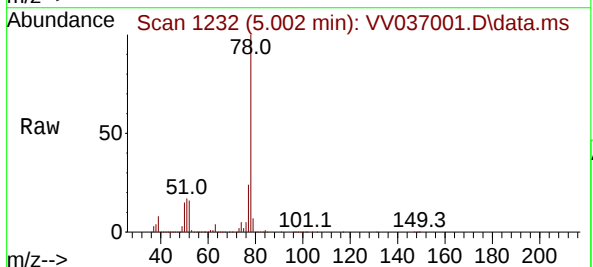
RT: 5.002 min Scan# 1232

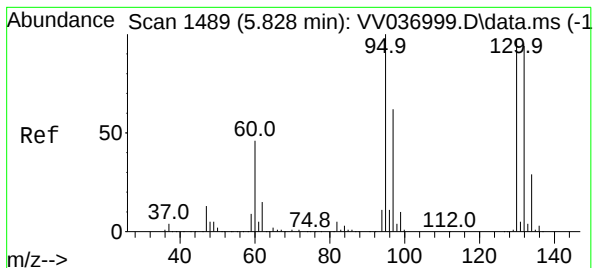
Delta R.T. -0.003 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

Tgt Ion: 78 Resp: 3949963





#34

Trichloroethene

Concen: 93.662 ug/L

RT: 5.825 min Scan# 1489

Delta R.T. -0.003 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 1118455

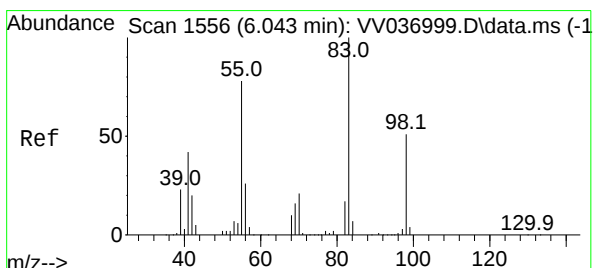
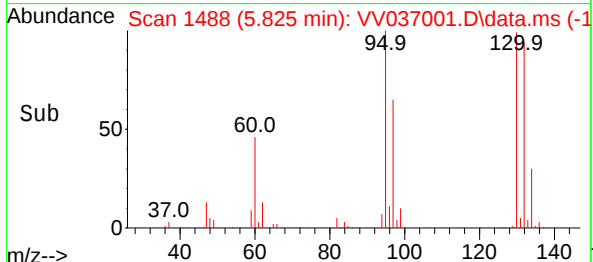
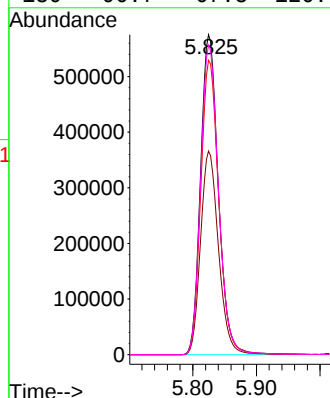
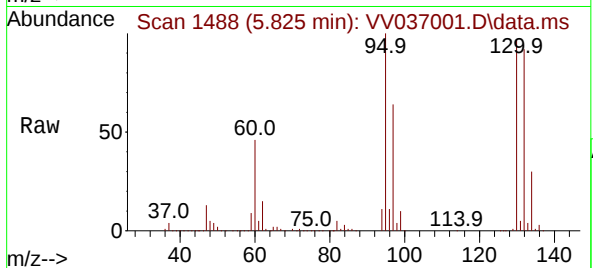
Ion Ratio Lower Upper

95 100

97 63.6 43.5 80.9

132 92.0 66.1 122.7

130 96.7 67.8 126.0



#35

Methylcyclohexane

Concen: 93.244 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

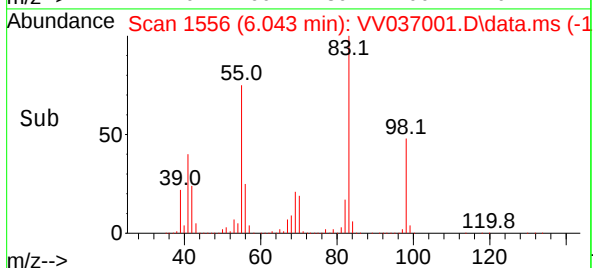
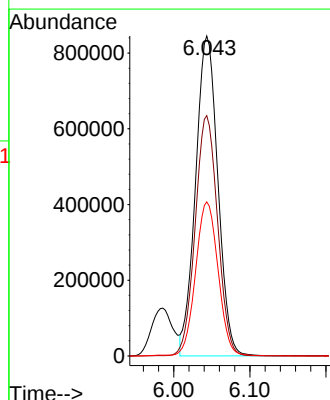
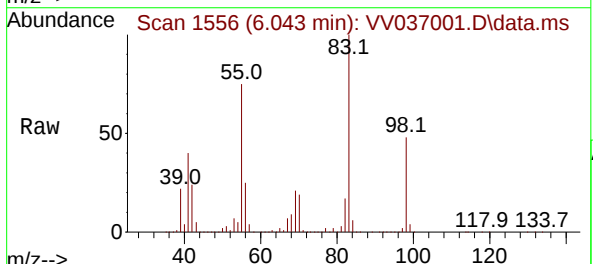
Tgt Ion: 83 Resp: 1721628

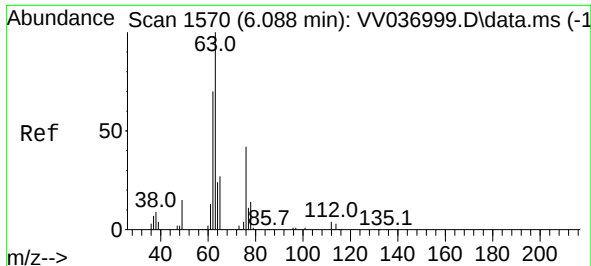
Ion Ratio Lower Upper

83 100

55 75.5 60.9 91.3

98 48.7 39.0 58.6





#37

1,2-Dichloropropane

Concen: 97.815 ug/L

RT: 6.088 min Scan# 1570

Delta R.T. -0.000 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

Instrument :

MSVOA_V

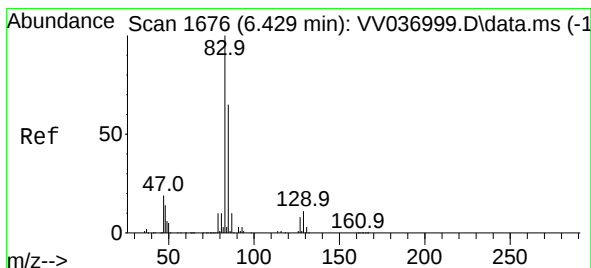
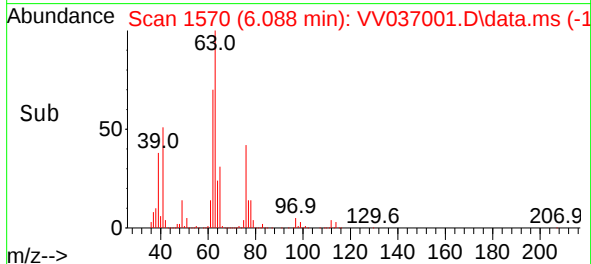
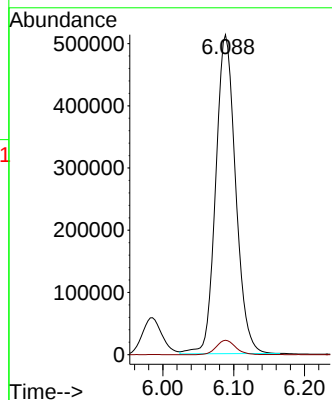
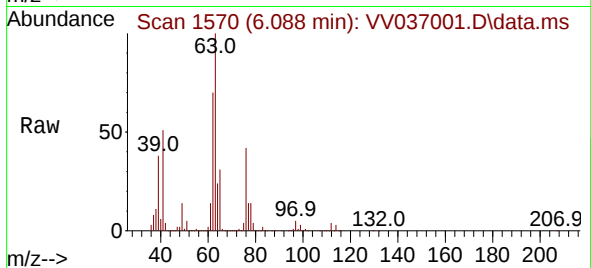
ClientSampleId :

Tgt Ion: 63 Resp: 999553

Ion Ratio Lower Upper

63 100

112 4.4 3.7 5.5



#38

Bromodichloromethane

Concen: 98.444 ug/L

RT: 6.426 min Scan# 1675

Delta R.T. -0.003 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

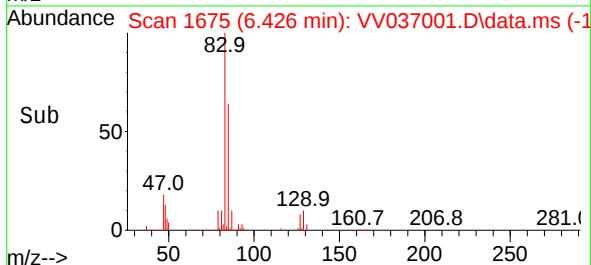
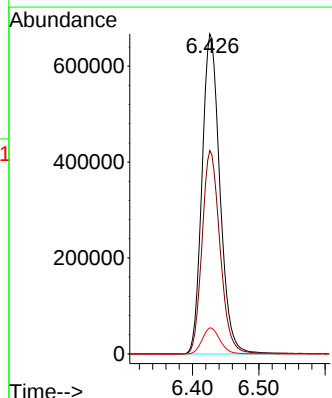
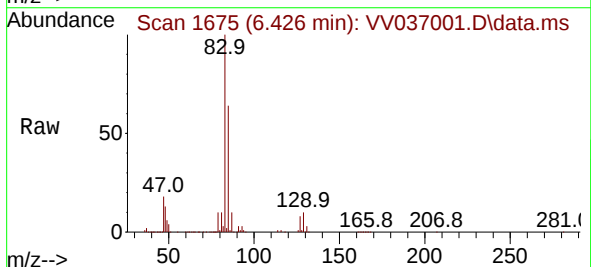
Tgt Ion: 83 Resp: 1249540

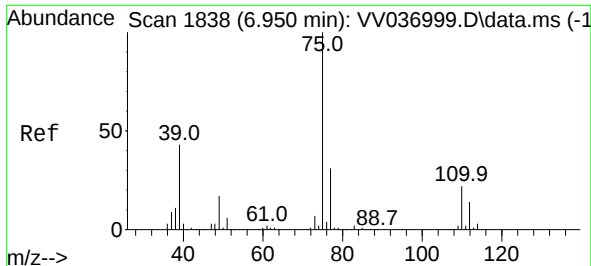
Ion Ratio Lower Upper

83 100

85 63.6 45.6 84.6

127 8.2 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 103.175 ug/L

RT: 6.947 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

Instrument :

MSVOA_V

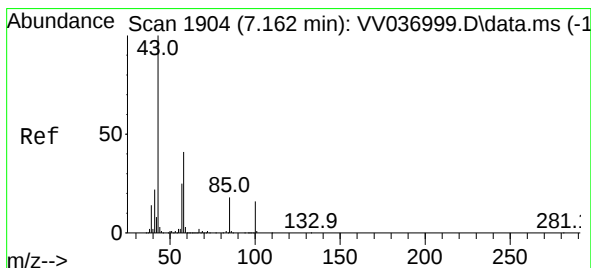
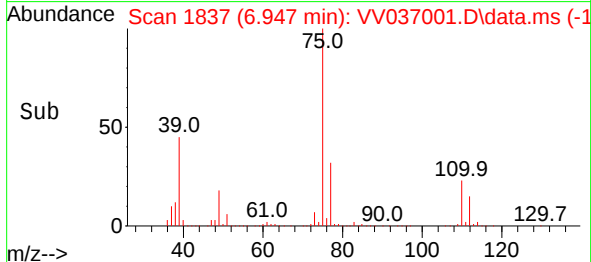
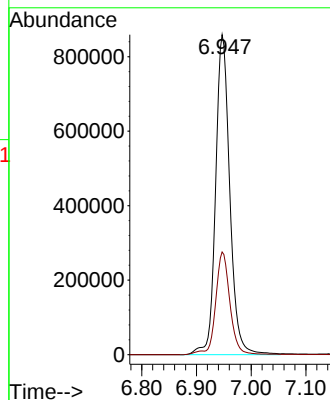
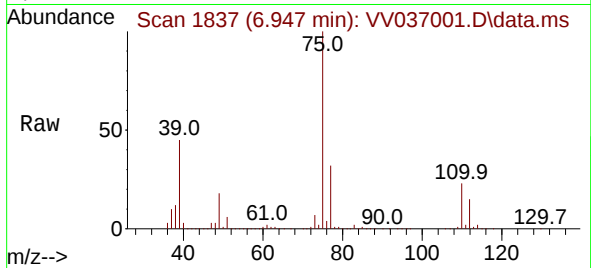
ClientSampleId :

Tgt Ion: 75 Resp: 1548489

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 190.397 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.003 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

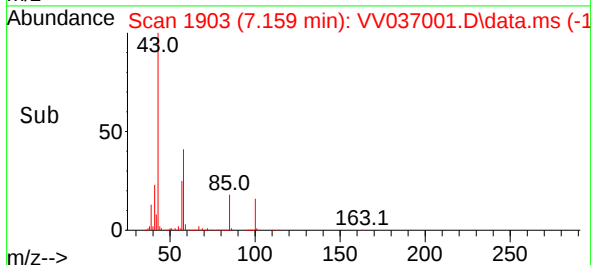
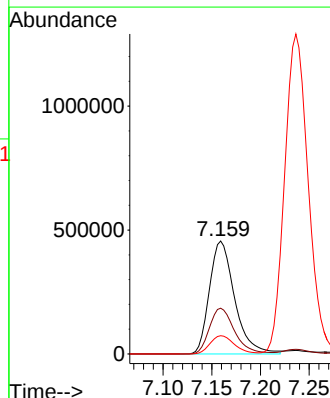
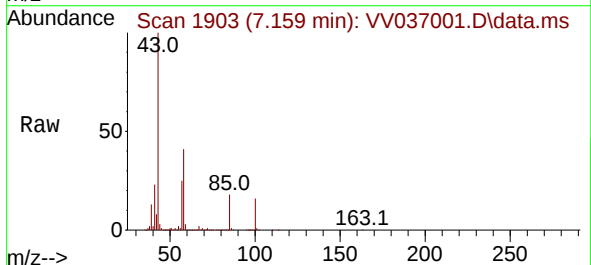
Tgt Ion: 43 Resp: 819522

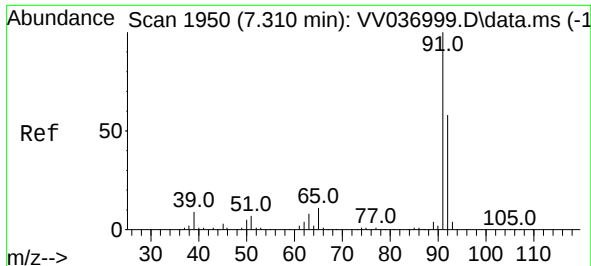
Ion Ratio Lower Upper

43 100

58 40.6 31.1 46.7

100 15.7 12.1 18.1





#42

Toluene

Concen: 95.462 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

Instrument :

MSVOA_V

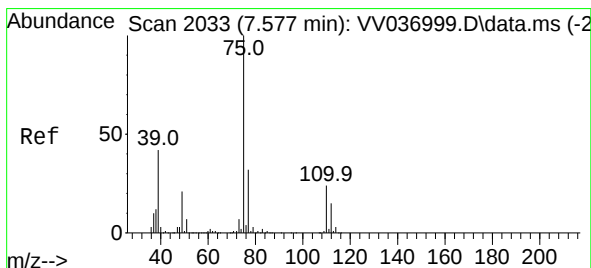
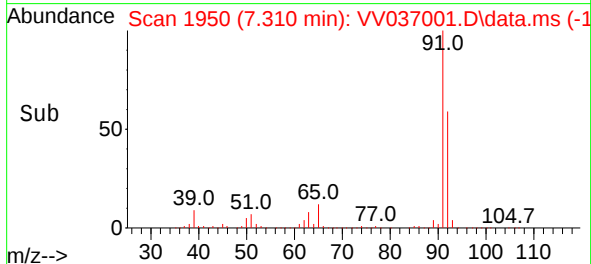
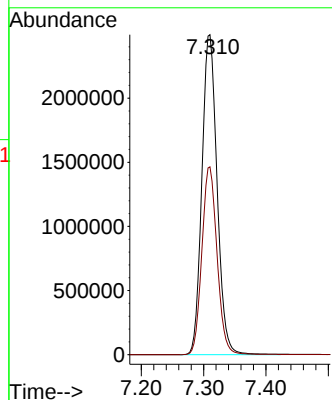
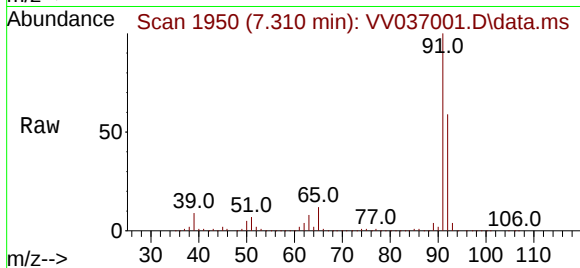
ClientSampleId :

Tgt Ion: 91 Resp: 4230524

Ion Ratio Lower Upper

91 100

92 58.7 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 105.617 ug/L

RT: 7.574 min Scan# 2032

Delta R.T. -0.003 min

Lab File: VV037001.D

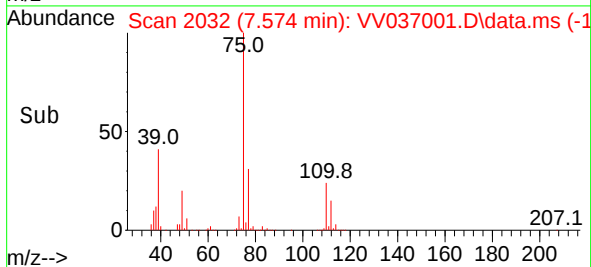
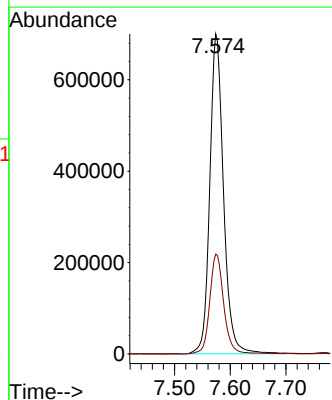
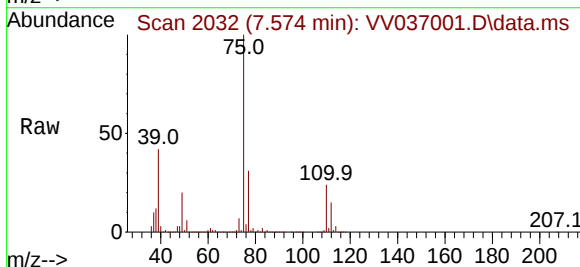
Acq: 22 Aug 2024 10:22

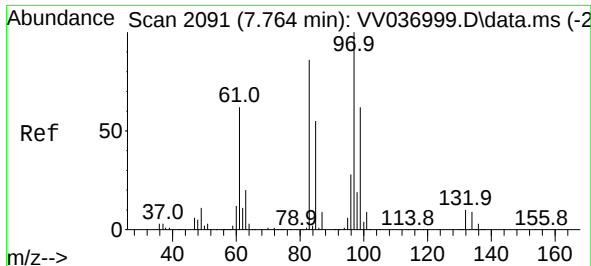
Tgt Ion: 75 Resp: 1199142

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 95.224 ug/L

RT: 7.764 min Scan# 2091

Delta R.T. -0.000 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 638590

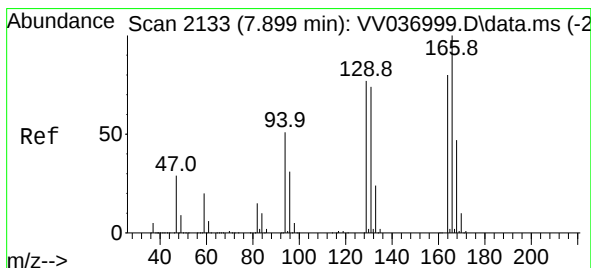
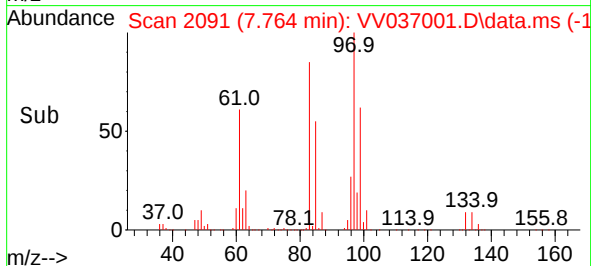
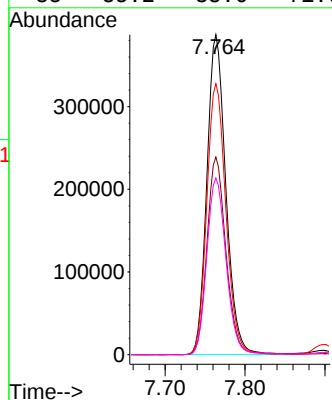
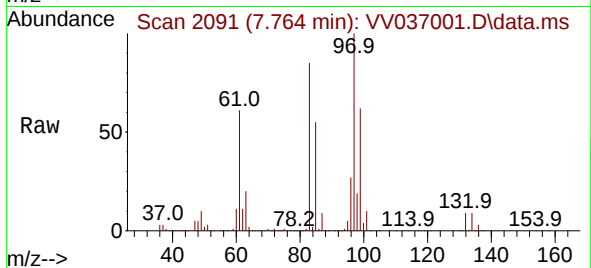
Ion Ratio Lower Upper

97 100

99 61.7 43.5 80.9

83 84.7 60.3 111.9

85 55.2 38.6 71.6



#46

Tetrachloroethene

Concen: 91.162 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. -0.000 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

Tgt Ion:164 Resp: 769674

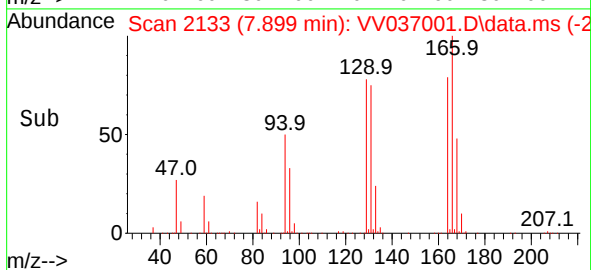
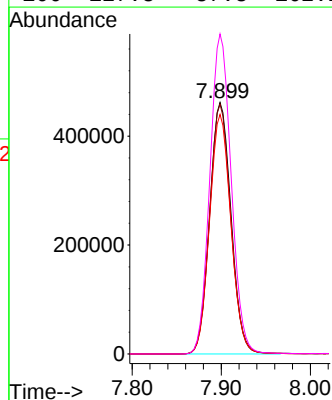
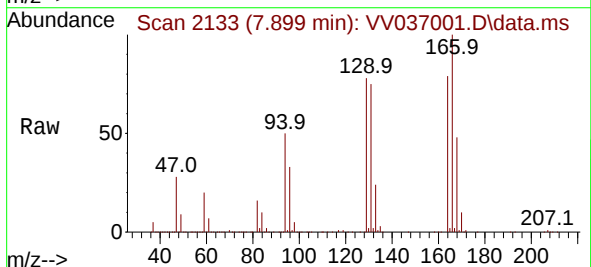
Ion Ratio Lower Upper

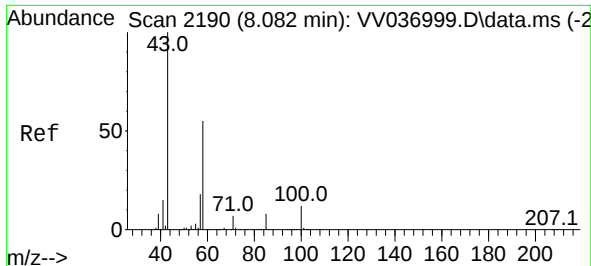
164 100

129 99.3 67.3 124.9

131 95.2 64.8 120.3

166 127.3 87.3 162.1

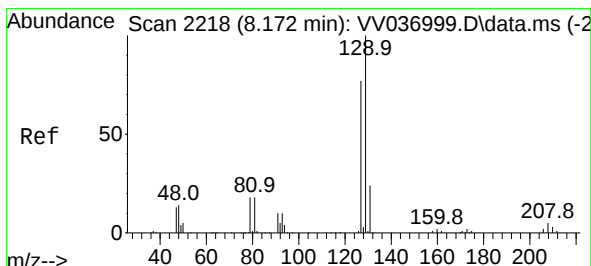
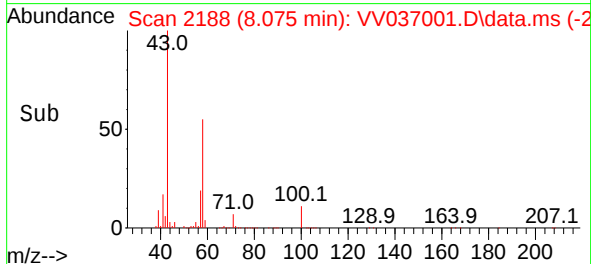
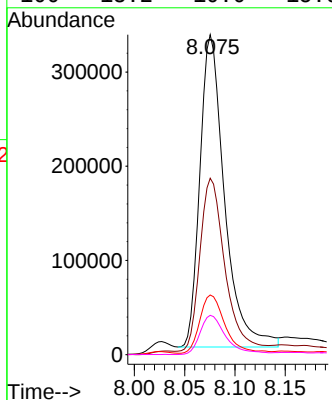
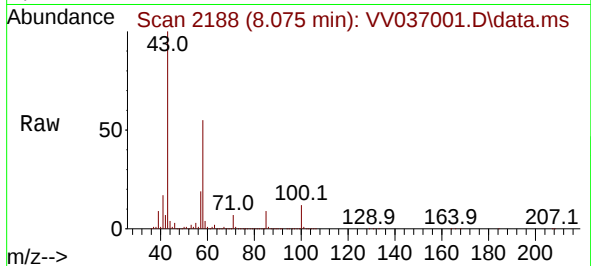




#48
2-Hexanone
Concen: 189.011 ug/L
RT: 8.075 min Scan# 2190
Delta R.T. -0.006 min
Lab File: VV037001.D
Acq: 22 Aug 2024 10:22

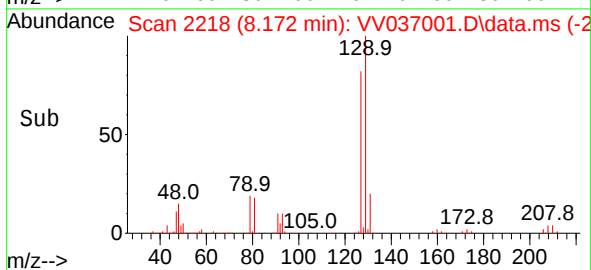
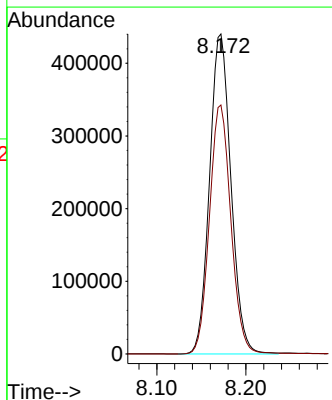
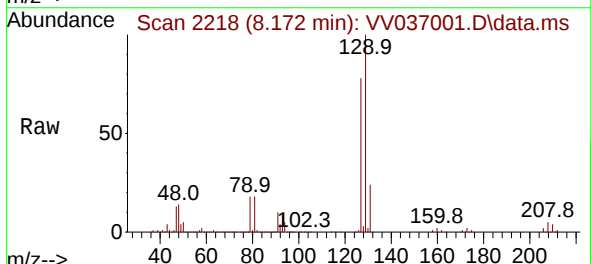
Instrument :
MSVOA_V
ClientSampleId :

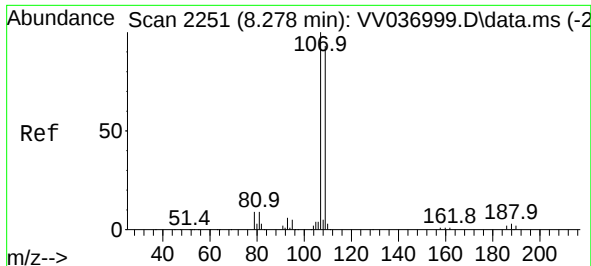
Tgt Ion: 43 Resp: 566328
Ion Ratio Lower Upper
43 100
58 56.3 47.9 71.9
57 18.7 15.1 22.7
100 13.2 10.0 15.0



#49
Dibromochloromethane
Concen: 99.721 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. -0.000 min
Lab File: VV037001.D
Acq: 22 Aug 2024 10:22

Tgt Ion:129 Resp: 735730
Ion Ratio Lower Upper
129 100
127 77.8 53.5 99.5





#50

1,2-Dibromoethane

Concen: 97.679 ug/L

RT: 8.275 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV037001.D

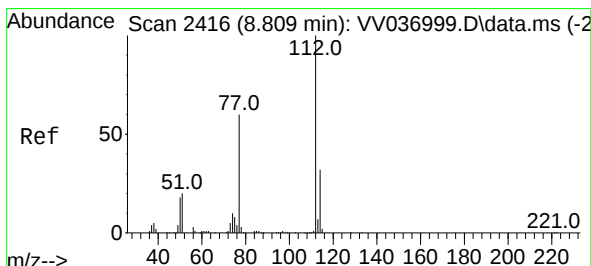
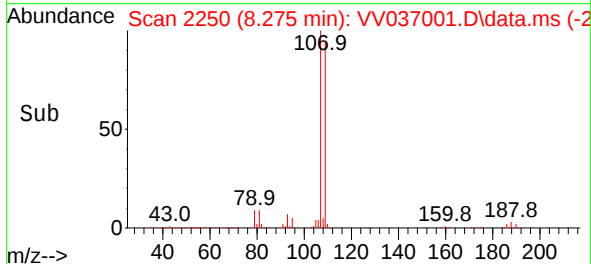
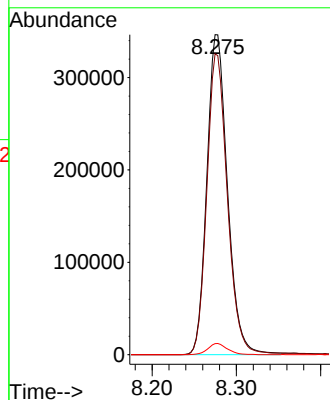
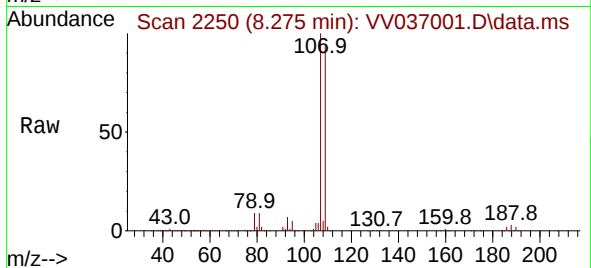
Acq: 22 Aug 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp: 591163
Ion Ratio	Lower Upper
107 100	
109 94.0	64.9 120.5
188 3.5	2.4 3.6



#51

Chlorobenzene

Concen: 94.176 ug/L

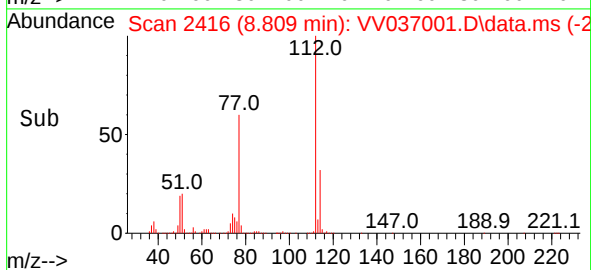
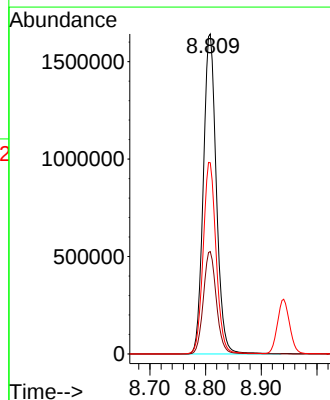
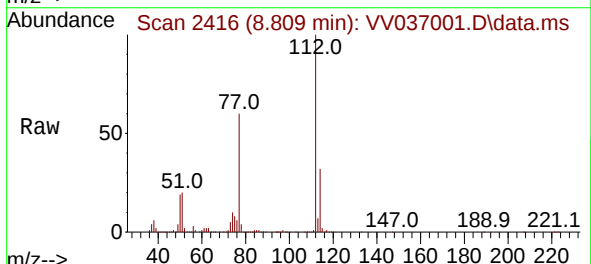
RT: 8.809 min Scan# 2416

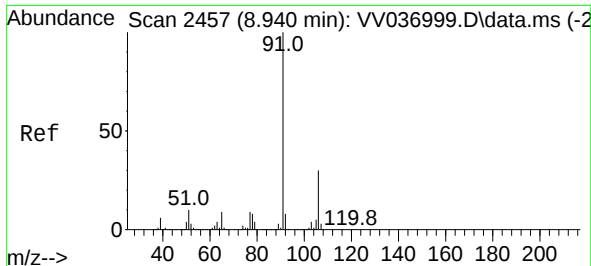
Delta R.T. -0.000 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

Tgt Ion:112	Resp: 2665241
Ion Ratio	Lower Upper
112 100	
114 32.0	22.7 42.3
77 59.7	48.2 72.2





#52

Ethylbenzene

Concen: 96.654 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. -0.000 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

Instrument :

MSVOA_V

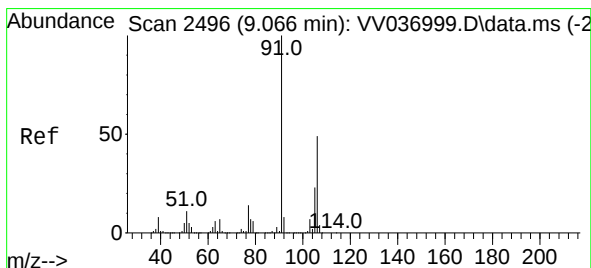
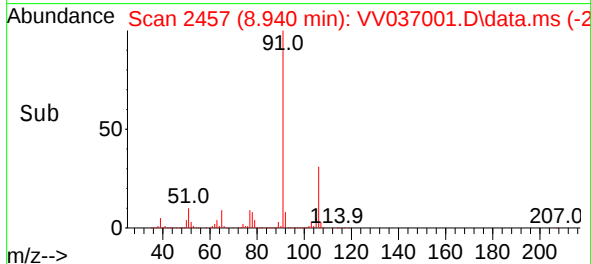
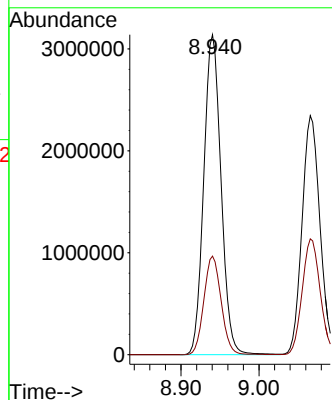
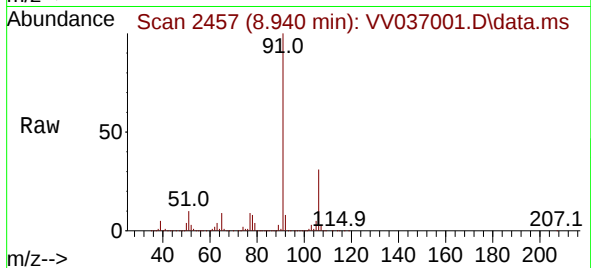
ClientSampleId :

Tgt Ion: 91 Resp: 4829890

Ion Ratio Lower Upper

91 100

106 30.8 21.3 39.5



#53

m,p-Xylene

Concen: 98.349 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. -0.000 min

Lab File: VV037001.D

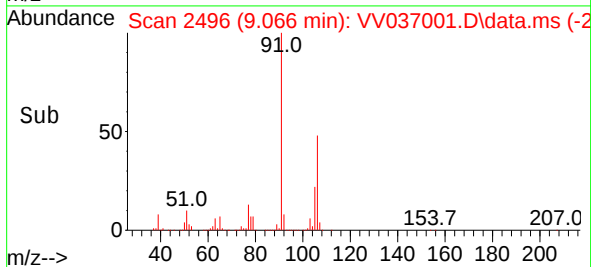
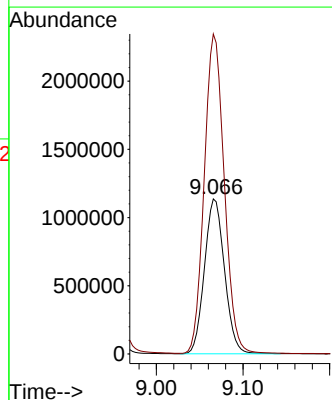
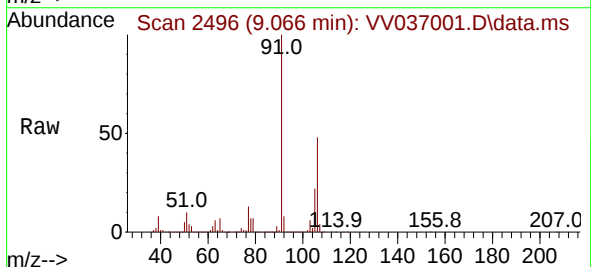
Acq: 22 Aug 2024 10:22

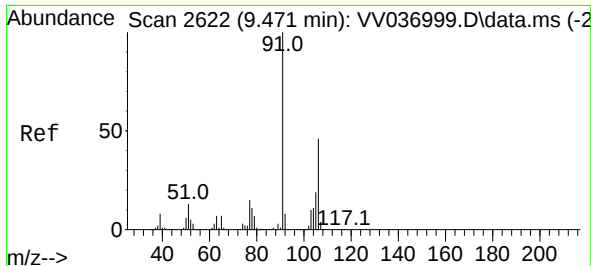
Tgt Ion:106 Resp: 1825933

Ion Ratio Lower Upper

106 100

91 206.3 142.4 264.4

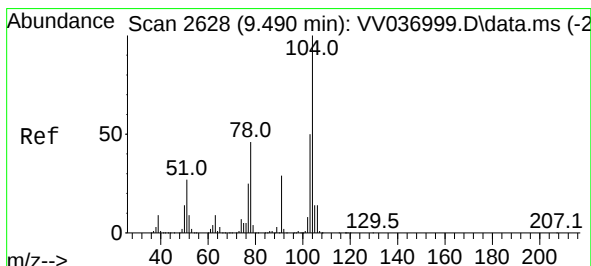
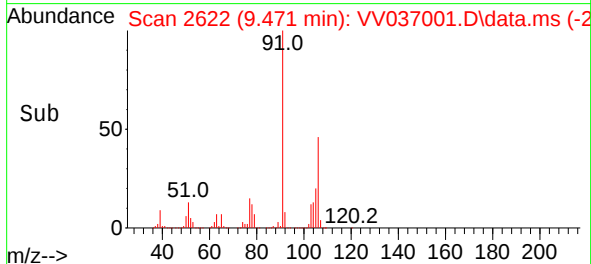
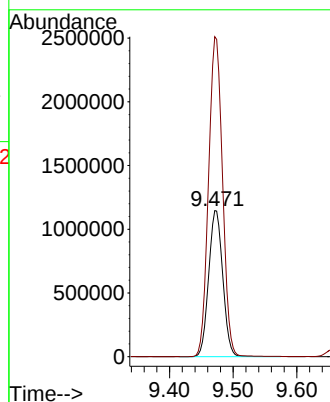
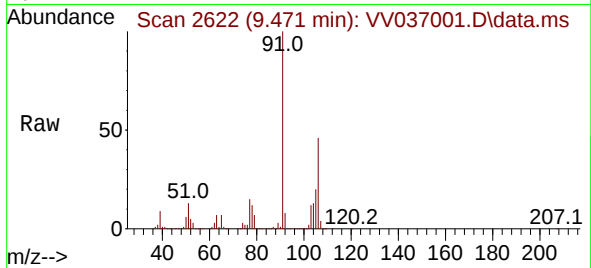




#54
o-Xylene
Concen: 99.095 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. -0.000 min
Lab File: VV037001.D
Acq: 22 Aug 2024 10:22

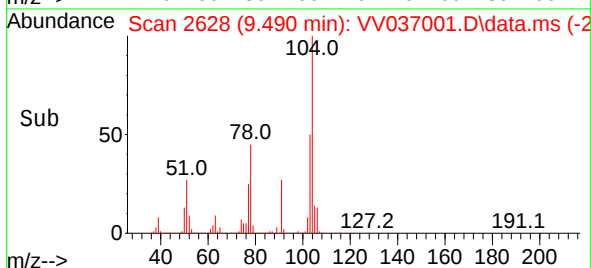
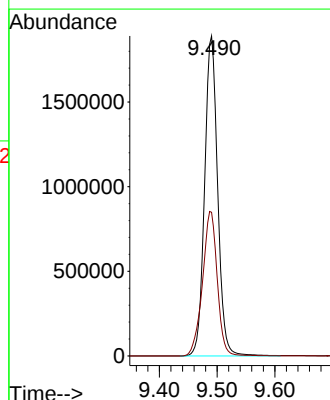
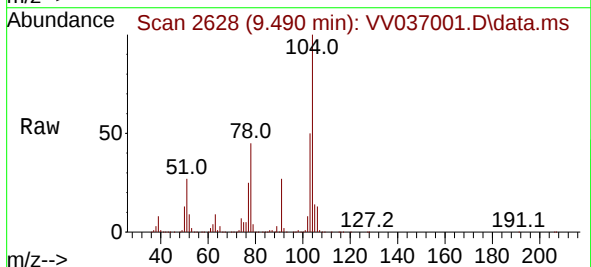
Instrument :
MSVOA_V
ClientSampleId :

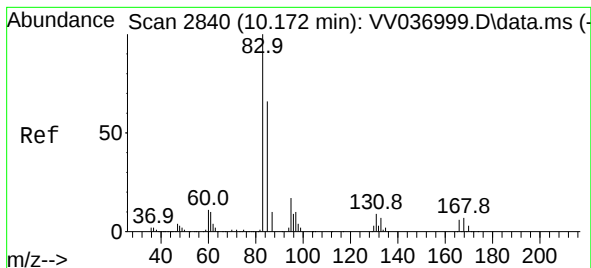
Tgt Ion:106 Resp: 1757448
Ion Ratio Lower Upper
106 100
91 218.9 152.8 283.8



#55
Styrene
Concen: 101.314 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. -0.000 min
Lab File: VV037001.D
Acq: 22 Aug 2024 10:22

Tgt Ion:104 Resp: 2965568
Ion Ratio Lower Upper
104 100
78 44.9 31.9 59.2

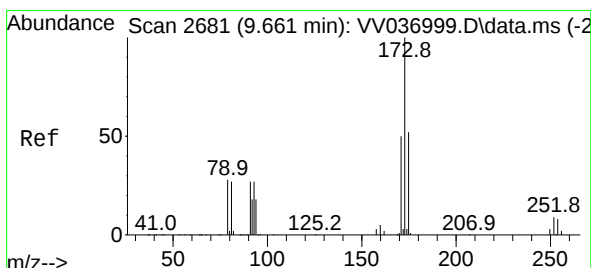
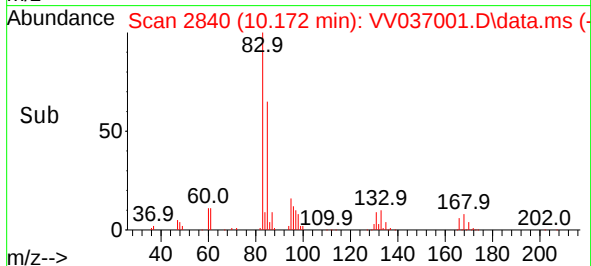
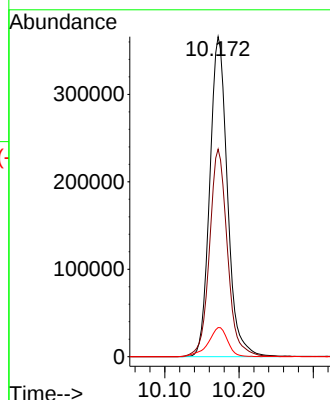
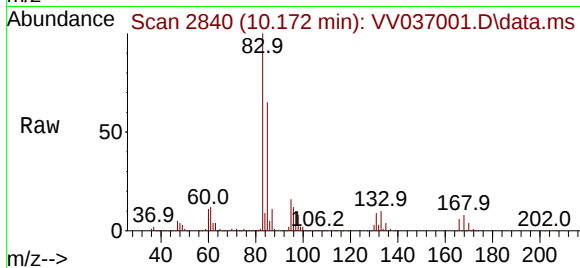




#57
1,1,2,2-Tetrachloroethane
Concen: 97.270 ug/L
RT: 10.172 min Scan# 2840
Delta R.T. -0.000 min
Lab File: VV037001.D
Acq: 22 Aug 2024 10:22

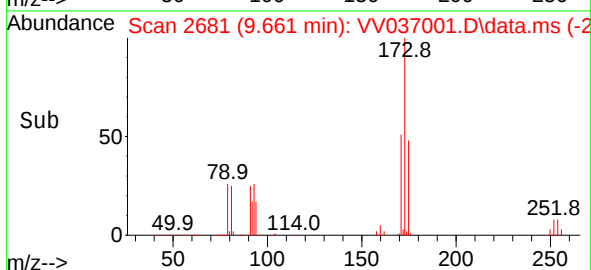
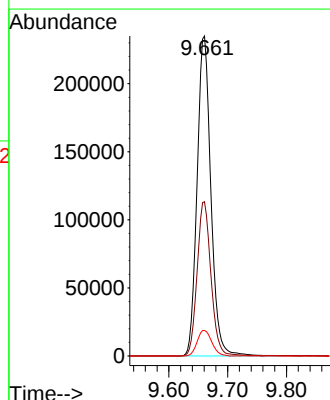
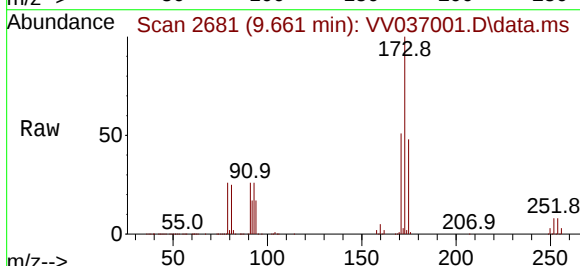
Instrument :
MSVOA_V
ClientSampleId :

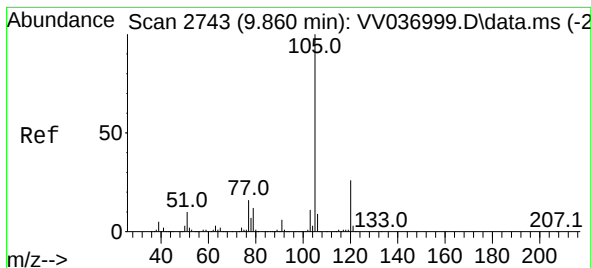
Tgt Ion: 83 Resp: 603897
Ion Ratio Lower Upper
83 100
85 64.9 46.4 86.2
131 9.1 7.6 11.4



#59
Bromoform
Concen: 106.890 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. -0.000 min
Lab File: VV037001.D
Acq: 22 Aug 2024 10:22

Tgt Ion: 173 Resp: 383526
Ion Ratio Lower Upper
173 100
175 48.3 40.1 60.1
254 8.4 6.2 9.4





#60

Isopropylbenzene

Concen: 96.373 ug/L

RT: 9.860 min Scan# 21

Delta R.T. -0.000 min

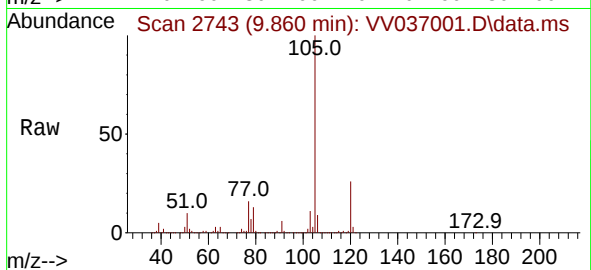
Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :



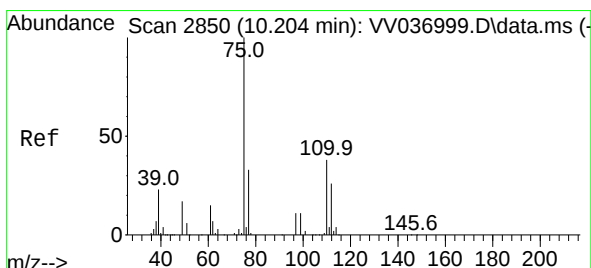
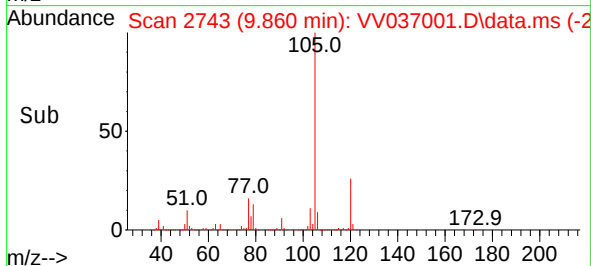
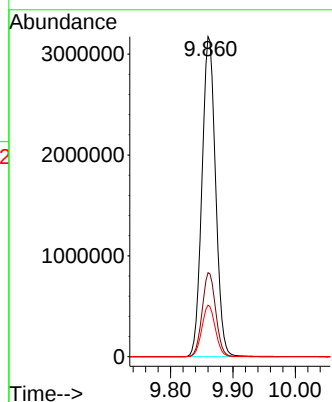
Tgt Ion:105 Resp: 4814201

Ion Ratio Lower Upper

105 100

120 26.1 20.8 31.2

77 15.9 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 95.267 ug/L

RT: 10.204 min Scan# 2850

Delta R.T. -0.000 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

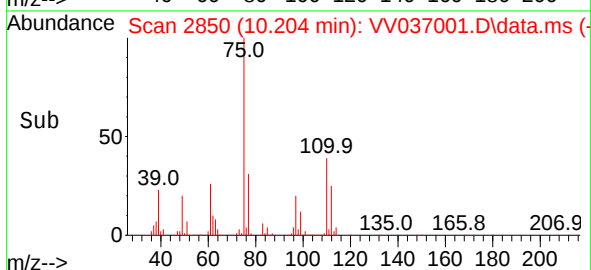
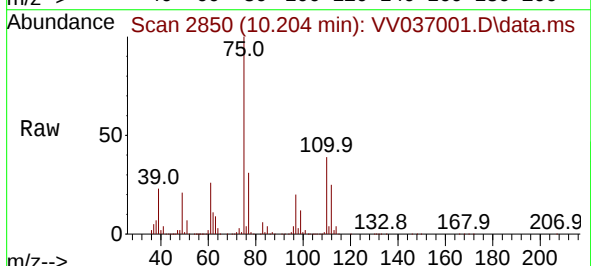
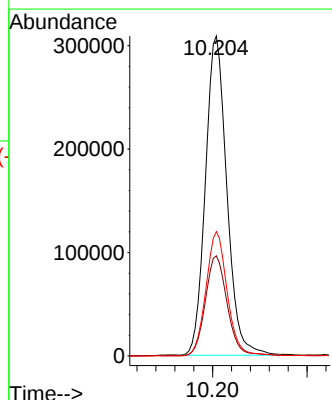
Tgt Ion: 75 Resp: 486713

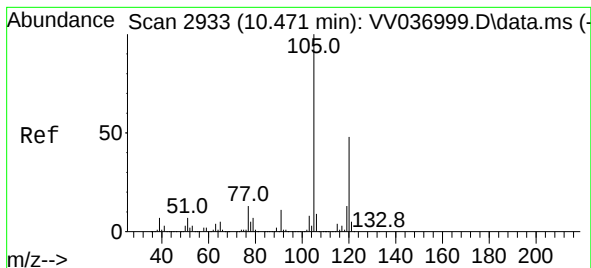
Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

110 38.7 31.0 46.4





#62

1,3,5-Trimethylbenzene

Concen: 98.669 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. -0.000 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

Instrument :

MSVOA_V

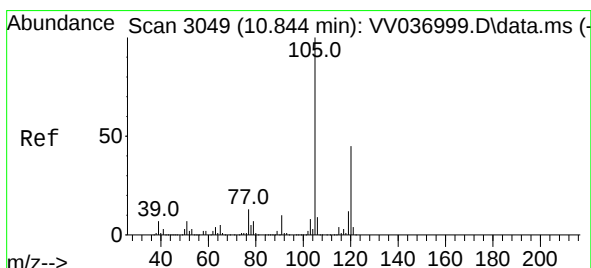
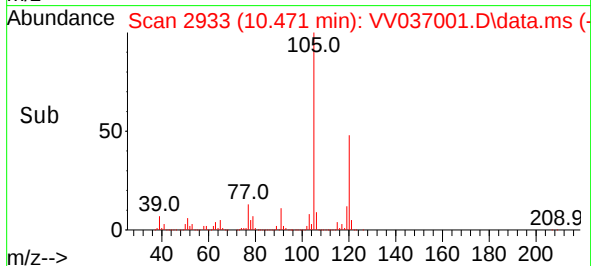
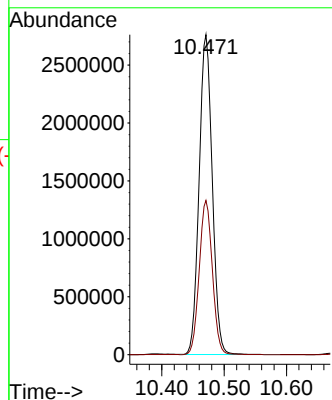
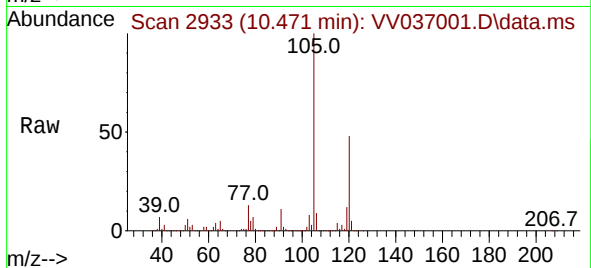
ClientSampleId :

Tgt Ion:105 Resp: 4035339

Ion Ratio Lower Upper

105 100

120 48.2 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 99.439 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VV037001.D

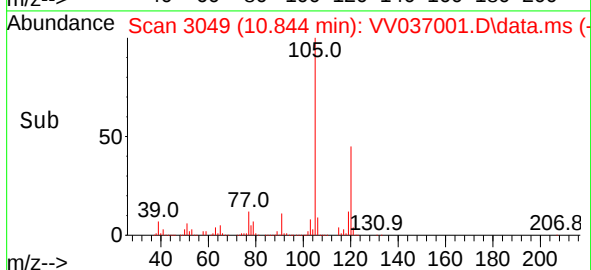
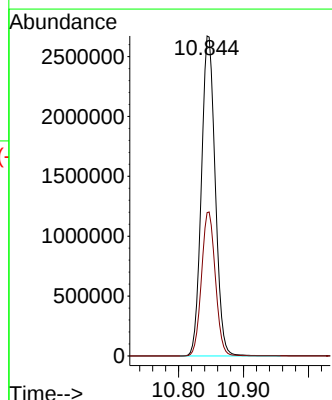
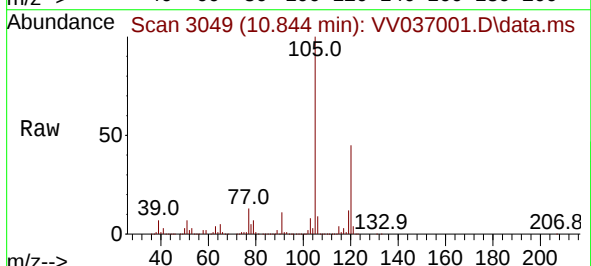
Acq: 22 Aug 2024 10:22

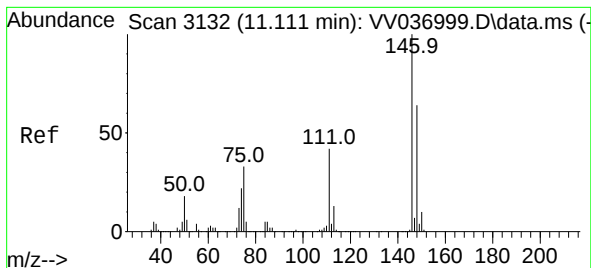
Tgt Ion:105 Resp: 3963969

Ion Ratio Lower Upper

105 100

120 45.1 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 95.359 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. -0.000 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :

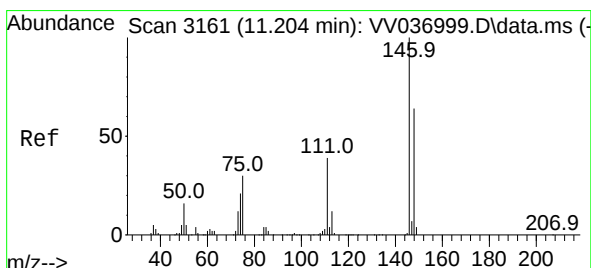
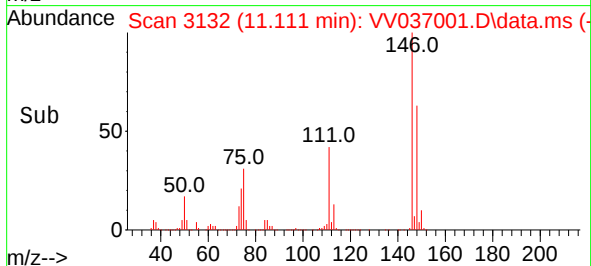
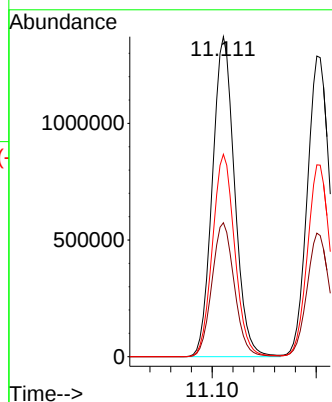
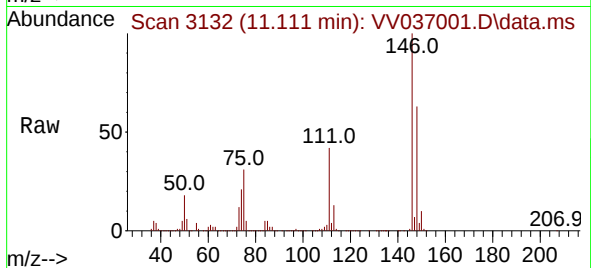
Tgt Ion:146 Resp: 2035787

Ion Ratio Lower Upper

146 100

111 41.8 29.5 54.9

148 63.3 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 93.252 ug/L

RT: 11.201 min Scan# 3160

Delta R.T. -0.003 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

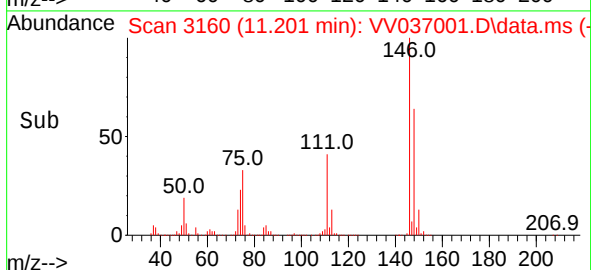
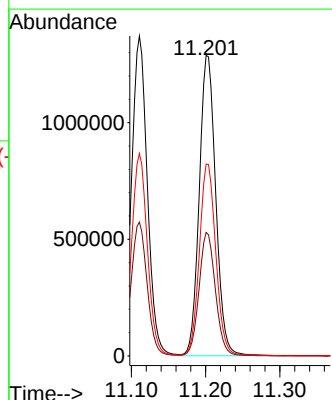
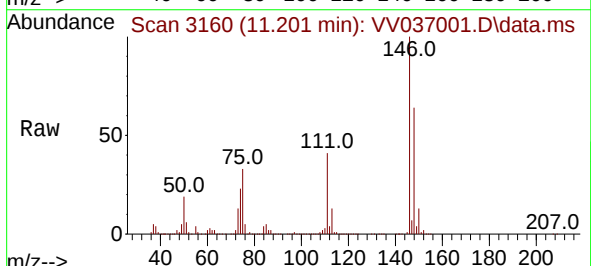
Tgt Ion:146 Resp: 1988512

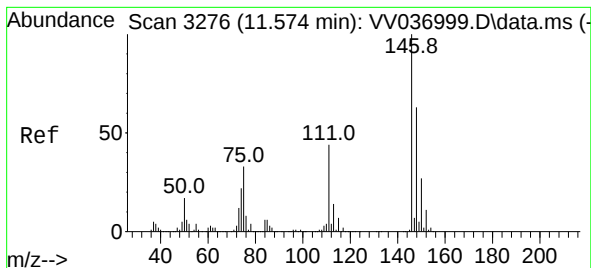
Ion Ratio Lower Upper

146 100

111 41.1 27.6 51.4

148 63.8 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 95.318 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. -0.000 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :

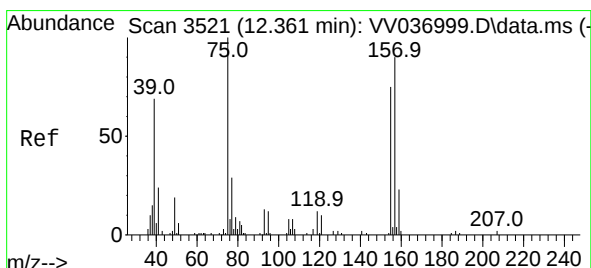
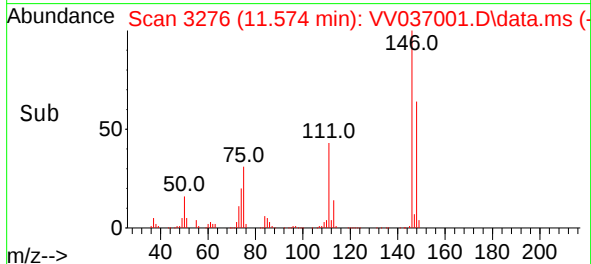
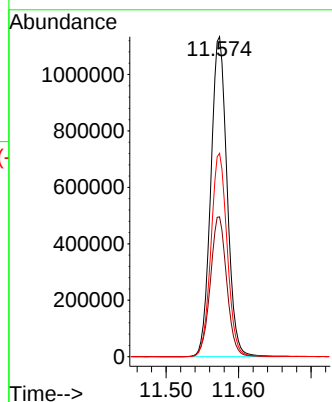
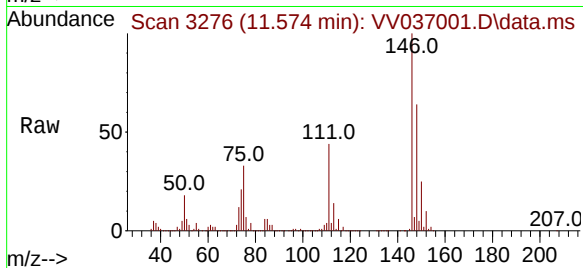
Tgt Ion:146 Resp: 1763065

Ion Ratio Lower Upper

146 100

111 43.7 35.4 53.0

148 63.5 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 104.180 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

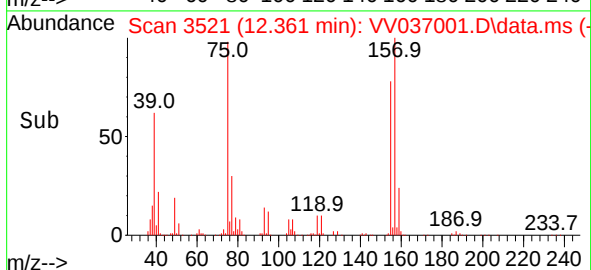
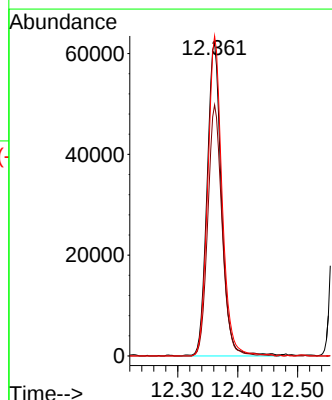
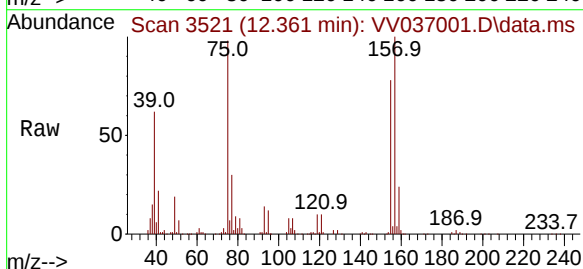
Tgt Ion: 75 Resp: 104179

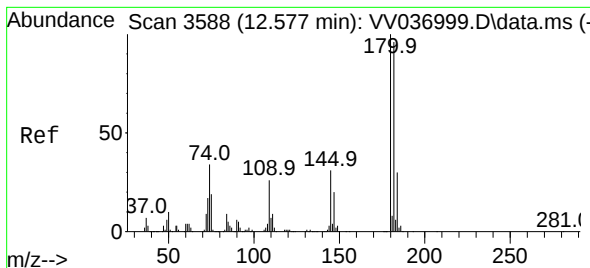
Ion Ratio Lower Upper

75 100

155 80.3 59.9 89.9

157 102.3 72.2 108.2





#69

1,3,5-Trichlorobenzene

Concen: 96.818 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. -0.000 min

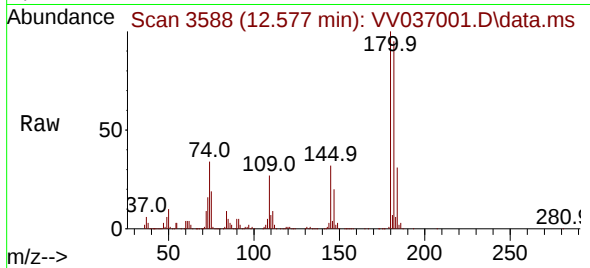
Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 1440447

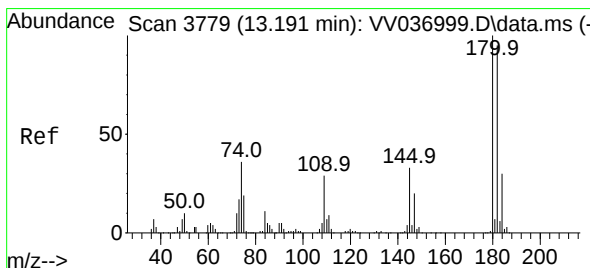
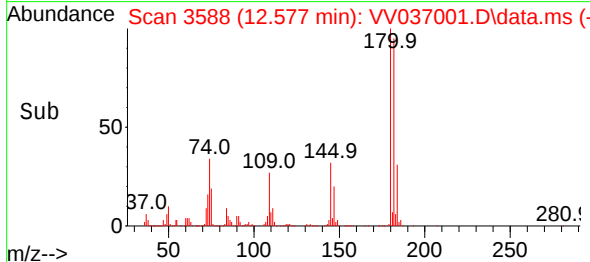
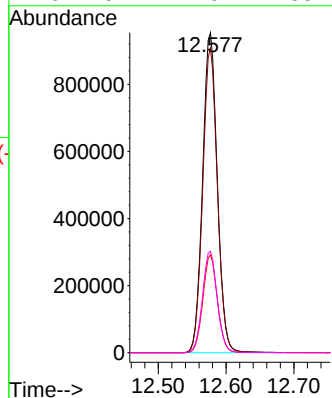
Ion Ratio Lower Upper

180 100

182 94.7 76.4 114.6

184 30.2 24.2 36.4

145 31.7 25.4 38.2



#70

1,2,4-trichlorobenzene

Concen: 98.550 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. -0.000 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

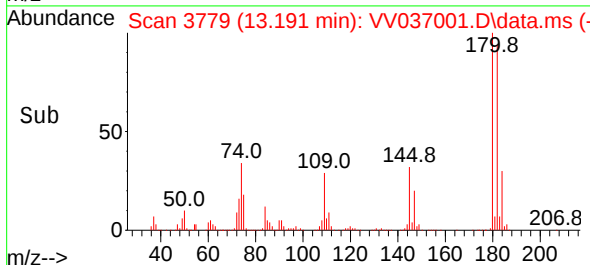
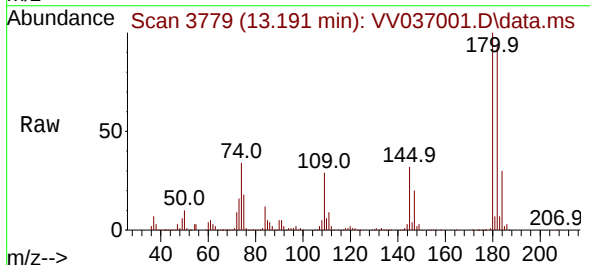
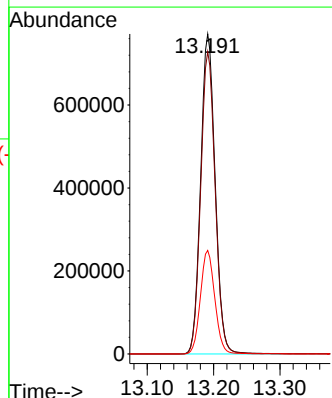
Tgt Ion:180 Resp: 1173332

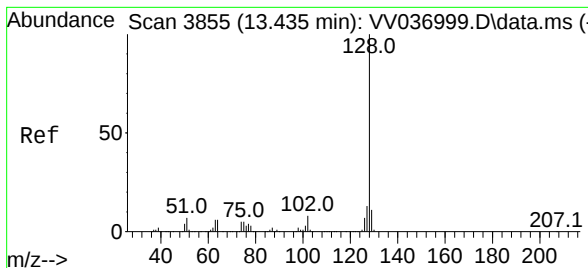
Ion Ratio Lower Upper

180 100

182 94.4 76.0 114.0

145 32.1 25.8 38.6





#71

Naphthalene

Concen: 106.318 ug/L

RT: 13.432 min Scan# 3855

Delta R.T. -0.003 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :

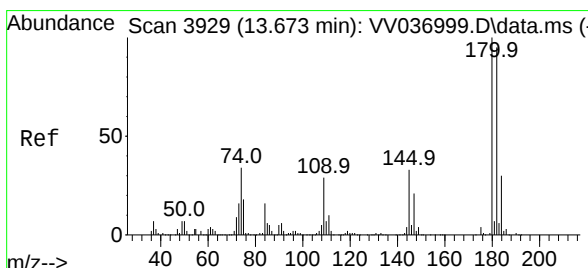
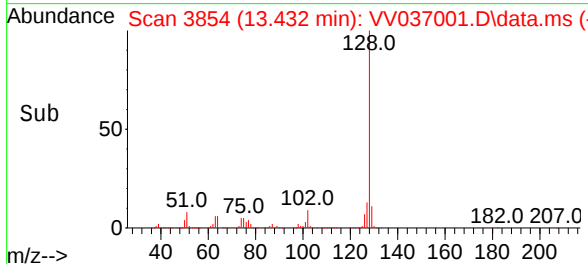
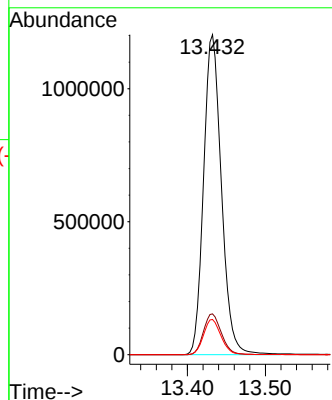
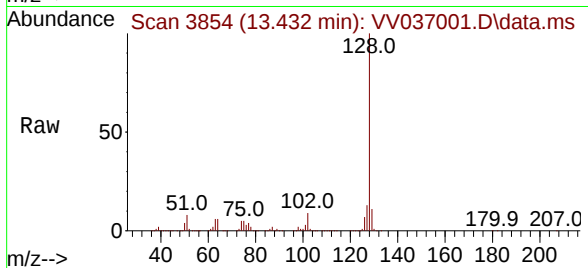
Tgt Ion:128 Resp: 1906848

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 99.027 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. -0.000 min

Lab File: VV037001.D

Acq: 22 Aug 2024 10:22

Tgt Ion:180 Resp: 976186

Ion Ratio Lower Upper

180 100

182 94.6 76.2 114.4

145 34.2 26.6 40.0

