

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092724\
 Data File : VV037597.D
 Acq On : 27 Sep 2024 11:37
 Operator : SY/MD
 Sample : P4185-07MS
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 23:47:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 23:45:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	654234	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	640285	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	346861	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	219048	38.141	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.280%
7) Chloroethane-d5	1.532	69	187235	42.001	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.000%
11) 1,1-Dichloroethene-d2	2.060	65	99710	41.556	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.120%
21) 2-Butanone-d5	3.789	46	221069	108.071	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.070%
24) Chloroform-d	4.243	84	488628	47.822	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.640%
26) 1,2-Dichloroethane-d4	4.937	65	287728	48.109	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.220%
32) Benzene-d6	4.953	84	927538	46.294	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.580%
36) 1,2-Dichloropropane-d6	5.982	67	299881	47.003	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.000%
41) Toluene-d8	7.236	98	868327	47.795	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.580%
43) trans-1,3-Dichloroprop...	7.548	79	147292	49.698	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.400%
47) 2-Hexanone-d5	8.024	63	142106	105.483	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.480%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	376258	50.756	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.520%
66) 1,2-Dichlorobenzene-d4	11.554	152	363780	49.771	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.540%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	289112	51.909	ug/L	99
3) Chloromethane	1.217	50	270118	49.956	ug/L	99
5) Vinyl chloride	1.285	62	572291	98.724	ug/L	99
6) Bromomethane	1.487	94	161788	50.292	ug/L	98
8) Chloroethane	1.548	64	362326	101.409	ug/L	100
9) Trichlorofluoromethane	1.712	101	406436	52.088	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	238460	51.141	ug/L	99
12) 1,1-Dichloroethene	2.069	96	293642	67.418	ug/L #	79
13) Acetone	2.111	43	137522	68.579	ug/L	100
14) Carbon disulfide	2.240	76	659572	48.514	ug/L	99
15) Methyl Acetate	2.371	43	178418	50.983	ug/L	100
16) Methylene chloride	2.445	84	246700	50.024	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	275271	59.741	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	682143	51.600	ug/L	100
19) 1,1-Dichloroethane	3.105	63	6290450	712.529	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	7408100	1436.698	ug/L	98
22) 2-Butanone	3.876	43	193780	87.306	ug/L	98
23) Bromochloromethane	4.143	128	133327	49.986	ug/L	99
25) Chloroform	4.272	83	456757	49.971	ug/L	99

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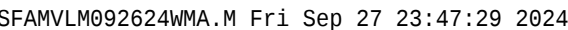
Instrument :
 MSVOA_V
 ClientSampleId :

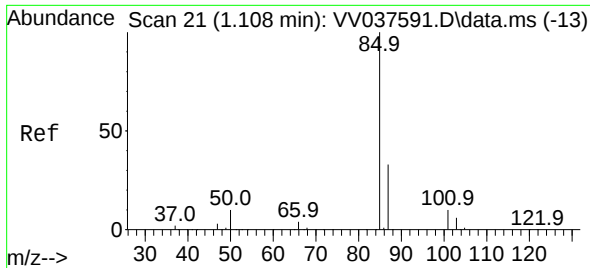
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	359791	55.757	ug/L	100
29) Cyclohexane	4.574	56	370142	50.915	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	4015876	509.245	ug/L	99
31) Carbon tetrachloride	4.728	117	349184	50.930	ug/L	99
33) Benzene	5.005	78	989504	51.242	ug/L	100
34) Trichloroethene	5.828	95	319797	62.186	ug/L	98
35) Methylcyclohexane	6.043	83	407120	51.462	ug/L	100
37) 1,2-Dichloropropane	6.088	63	249873	50.110	ug/L	99
38) Bromodichloromethane	6.429	83	335684	50.359	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	399870	50.236	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	426163	104.966	ug/L	99
42) Toluene	7.310	91	1344694	67.172	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	368768	51.459	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	246045	51.388	ug/L	99
46) Tetrachloroethene	7.899	164	249900	63.558	ug/L	99
48) 2-Hexanone	8.072	43	305376	96.730	ug/L	98
49) Dibromochloromethane	8.172	129	259461	51.201	ug/L	100
50) 1,2-Dibromoethane	8.278	107	248873	50.284	ug/L	99
51) Chlorobenzene	8.809	112	685158	50.236	ug/L	99
52) Ethylbenzene	8.940	91	1291502	57.313	ug/L	100
53) m,p-Xylene	9.066	106	565289	67.404	ug/L	99
54) o-Xylene	9.471	106	578218	70.621	ug/L	99
55) Styrene	9.490	104	777058	54.517	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	345535	51.762	ug/L	98
59) Bromoform	9.657	173	172756	50.959	ug/L	99
60) Isopropylbenzene	9.860	105	1180572	52.352	ug/L	100
61) 1,2,3-Trichloropropane	10.201	75	246606	49.964	ug/L	100
62) 1,3,5-Trimethylbenzene	10.468	105	1142003	64.054	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	1387144	78.197	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	547211	50.413	ug/L	100
65) 1,4-Dichlorobenzene	11.201	146	564794	49.970	ug/L	100
67) 1,2-Dichlorobenzene	11.570	146	548633	51.129	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	61940	51.698	ug/L	95
69) 1,3,5-Trichlorobenzene	12.574	180	372667	49.926	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	345733	49.922	ug/L	100
71) Naphthalene	13.429	128	986327	54.512	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	340569	49.798	ug/L	99

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

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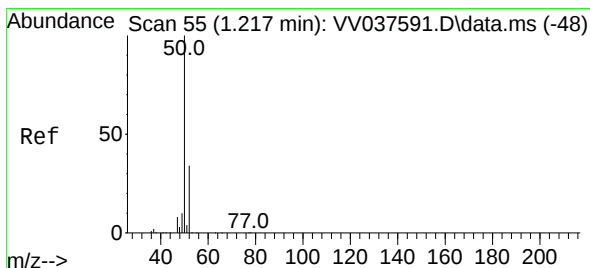
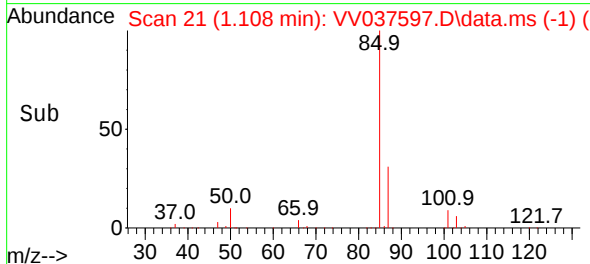
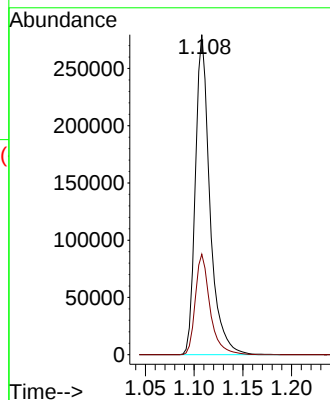
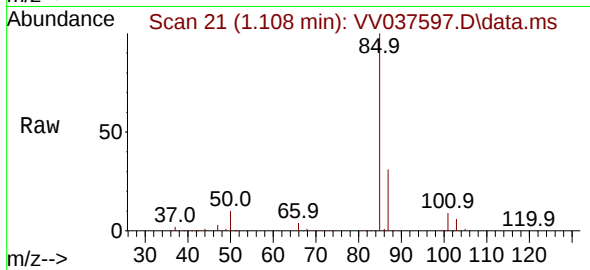




#2
 Dichlorodifluoromethane
 Concen: 51.909 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV037597.D
 Acq: 27 Sep 2024 11:37

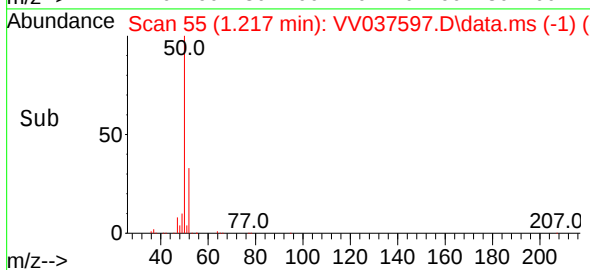
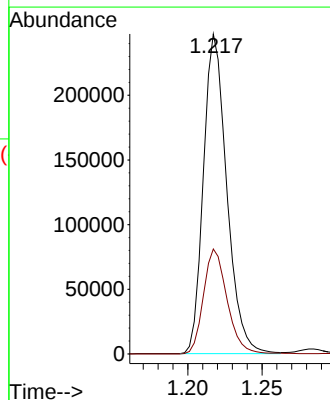
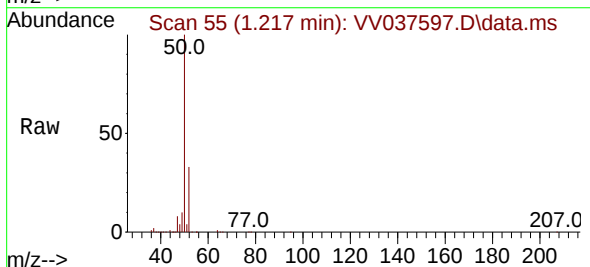
Instrument :
 MSVOA_V
 ClientSampleId :

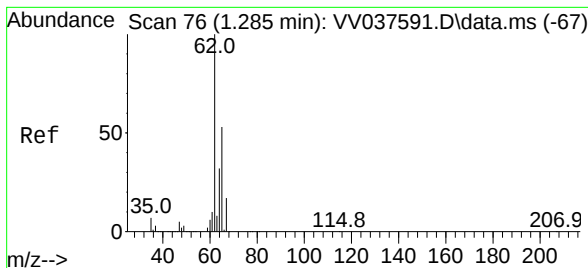
Tgt Ion: 85 Resp: 289112
 Ion Ratio Lower Upper
 85 100
 87 31.8 25.8 38.8



#3
 Chloromethane
 Concen: 49.956 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV037597.D
 Acq: 27 Sep 2024 11:37

Tgt Ion: 50 Resp: 270118
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.2 43.2

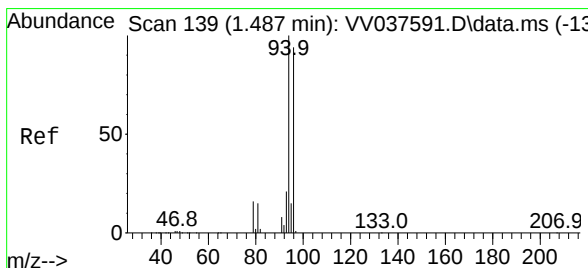
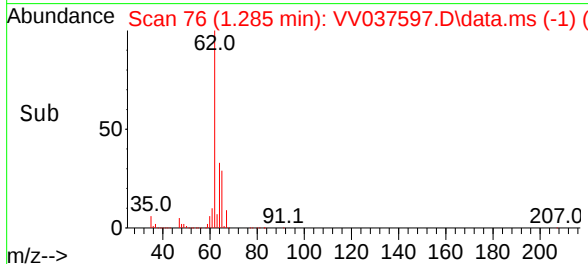
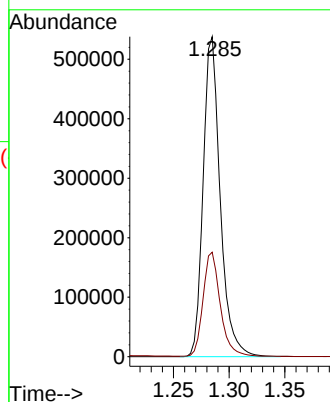
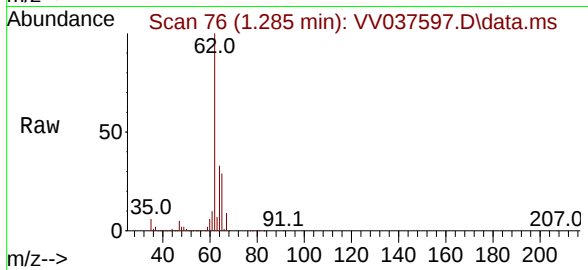




#5
 Vinyl chloride
 Concen: 98.724 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV037597.D
 Acq: 27 Sep 2024 11:37

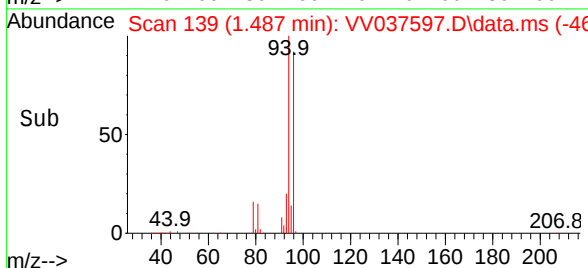
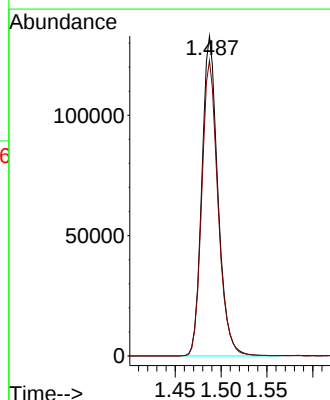
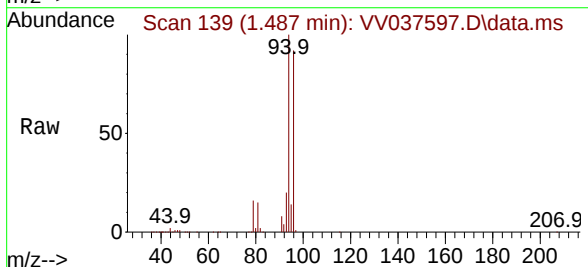
Instrument :
 MSVOA_V
 ClientSampleId :

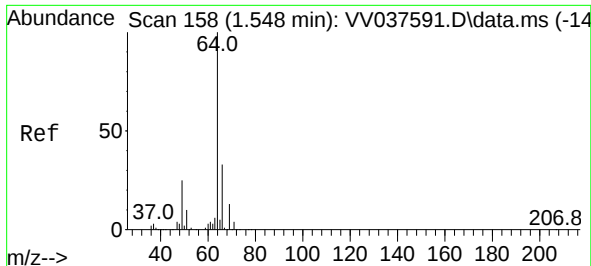
Tgt Ion: 62 Resp: 572291
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.2 43.0



#6
 Bromomethane
 Concen: 50.292 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV037597.D
 Acq: 27 Sep 2024 11:37

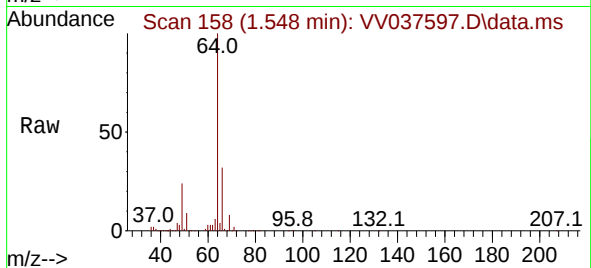
Tgt Ion: 94 Resp: 161788
 Ion Ratio Lower Upper
 94 100
 96 92.3 65.8 122.2



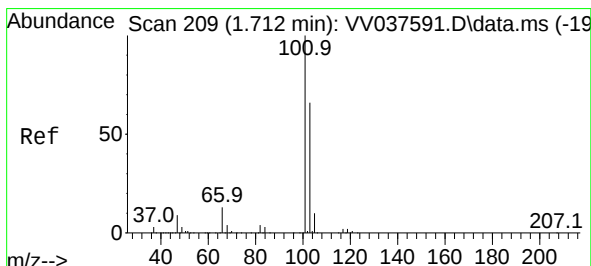
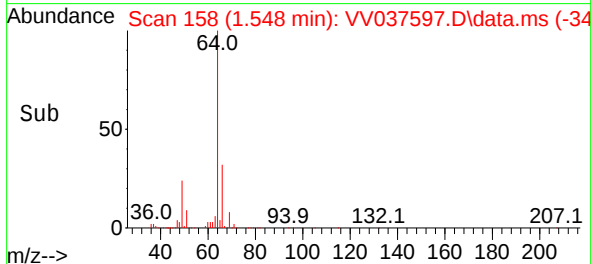
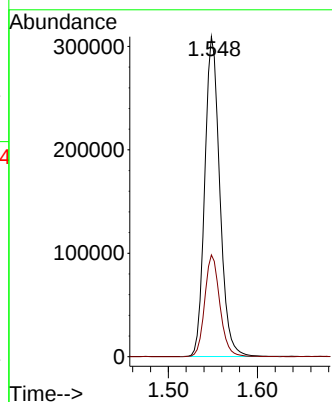


#8
Chloroethane
Concen: 101.409 ug/L
RT: 1.548 min Scan# 158
Delta R.T. 0.000 min
Lab File: VV037597.D
Acq: 27 Sep 2024 11:37

Instrument :
MSVOA_V
ClientSampleId :

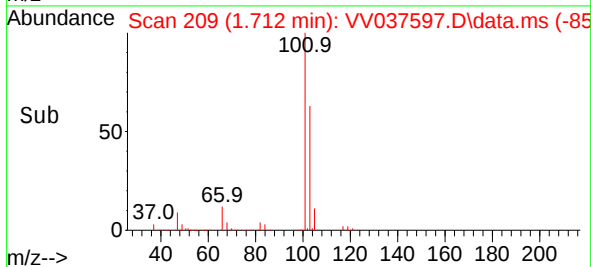
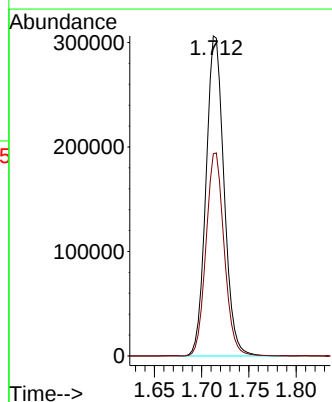
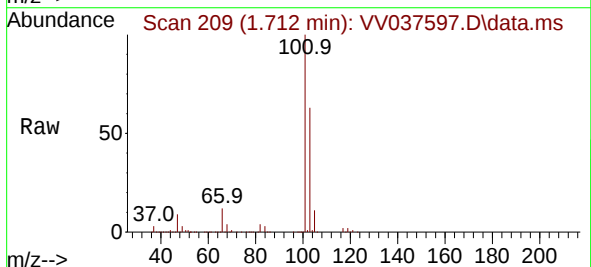


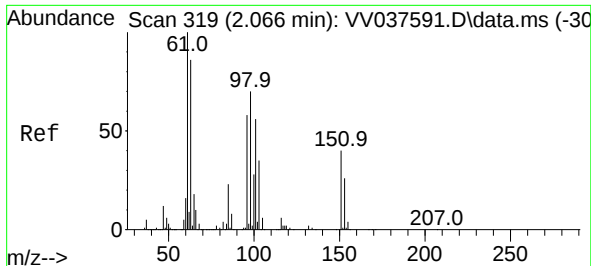
Tgt Ion: 64 Resp: 362326
Ion Ratio Lower Upper
64 100
66 31.8 22.2 41.2



#9
Trichlorofluoromethane
Concen: 52.088 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV037597.D
Acq: 27 Sep 2024 11:37

Tgt Ion: 101 Resp: 406436
Ion Ratio Lower Upper
101 100
103 64.0 52.2 78.4





#10

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

Concen: 51.141 ug/L

RT: 2.069 min Scan# 319

Delta R.T. 0.003 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

Instrument :

MSVOA_V

ClientSampleId :

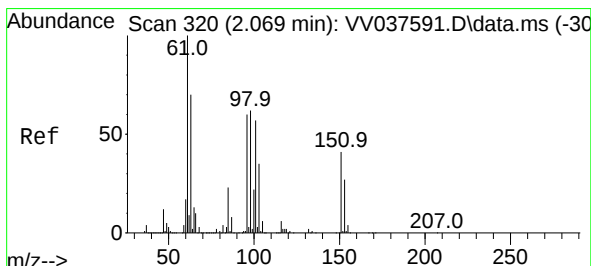
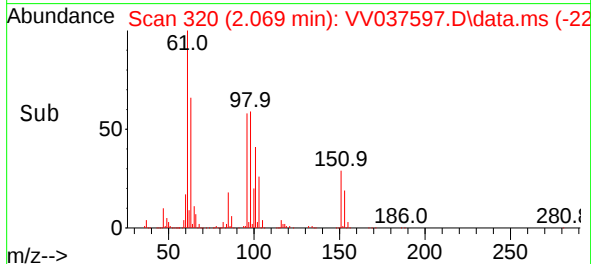
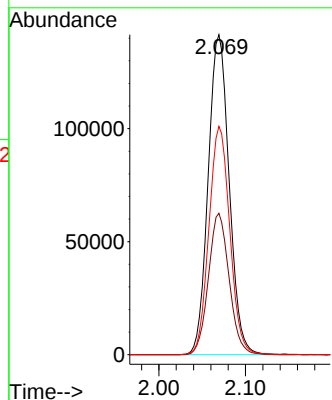
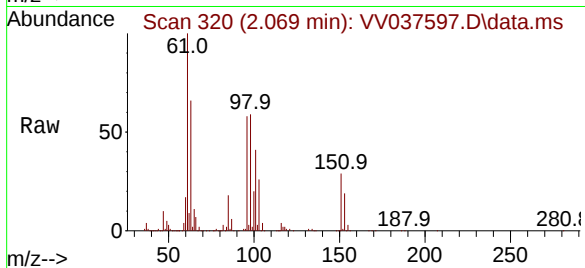
Tgt Ion:101 Resp: 238460

Ion Ratio Lower Upper

101 100

85 43.7 34.6 52.0

151 71.0 57.5 86.3



#12

1,1-Dichloroethene

Concen: 67.418 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

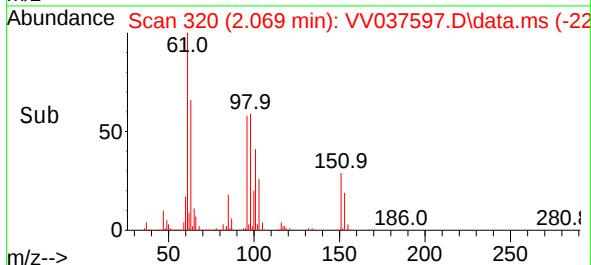
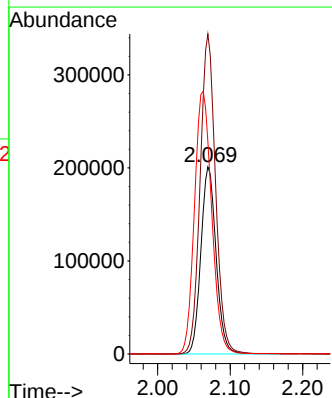
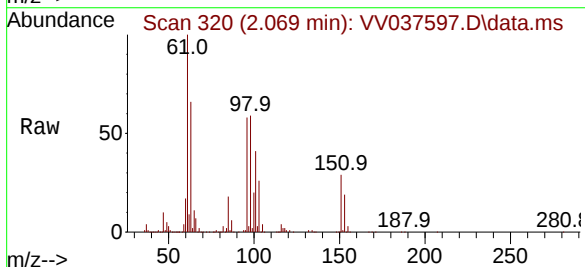
Tgt Ion: 96 Resp: 293642

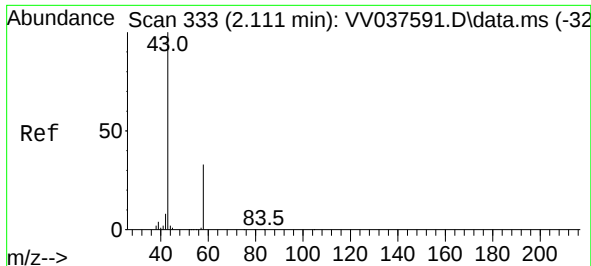
Ion Ratio Lower Upper

96 100

61 171.1 122.6 227.6

63 113.5 118.0 219.2#





#13

Acetone

Concen: 68.579 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.000 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

Instrument :

MSVOA_V

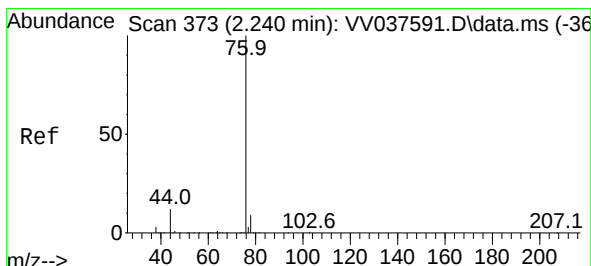
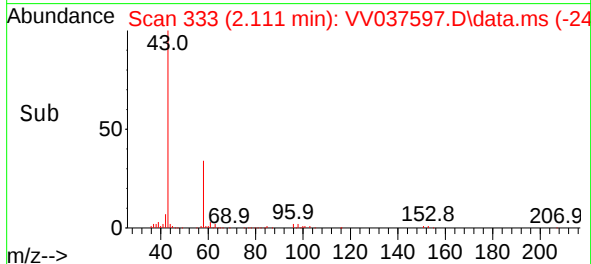
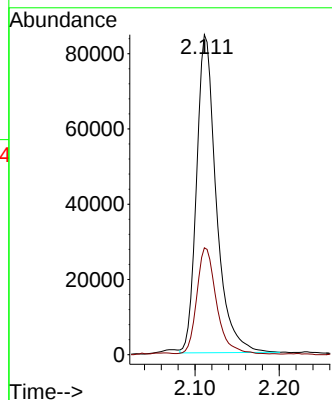
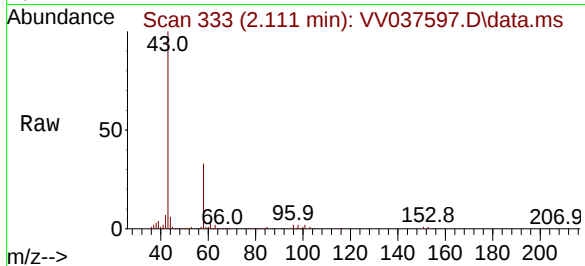
ClientSampleId :

Tgt Ion: 43 Resp: 137522

Ion Ratio Lower Upper

43 100

58 33.5 0.0 66.6



#14

Carbon disulfide

Concen: 48.514 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV037597.D

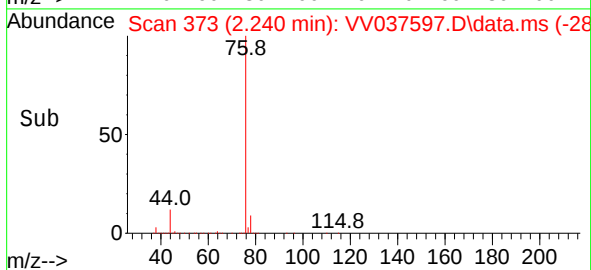
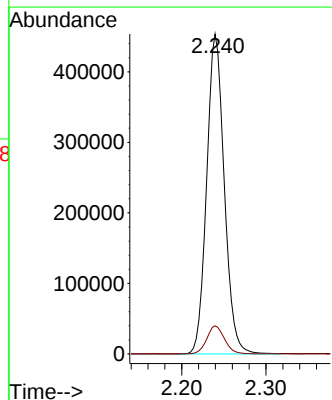
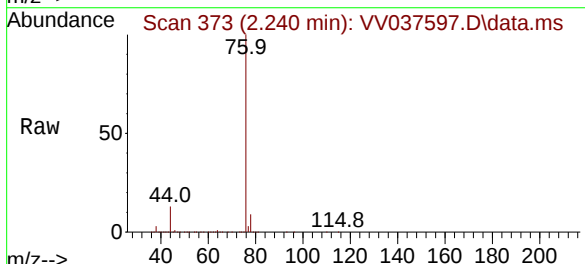
Acq: 27 Sep 2024 11:37

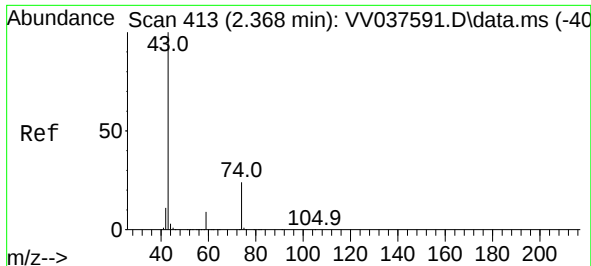
Tgt Ion: 76 Resp: 659572

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0

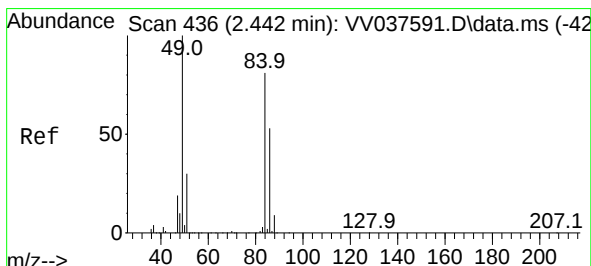
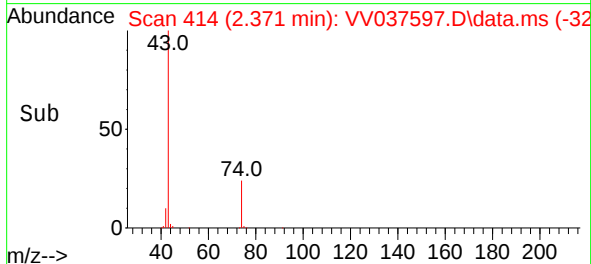
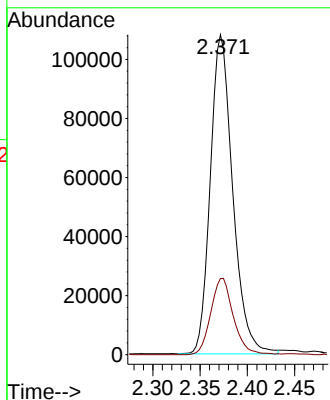
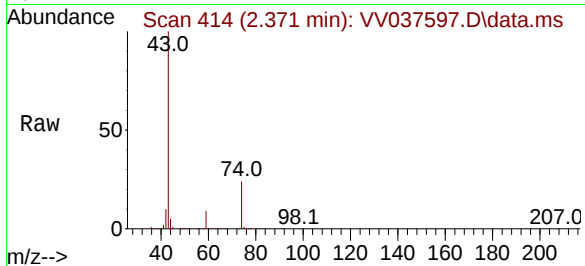




#15
Methyl Acetate
Concen: 50.983 ug/L
RT: 2.371 min Scan# 413
Delta R.T. 0.003 min
Lab File: VV037597.D
Acq: 27 Sep 2024 11:37

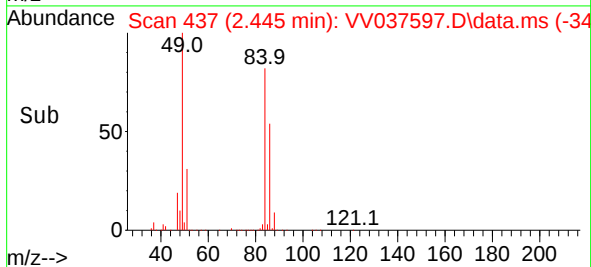
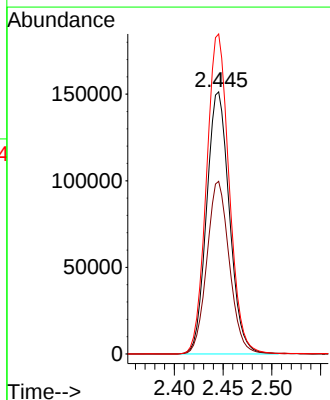
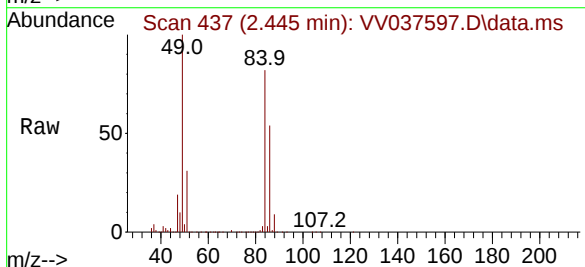
Instrument :
MSVOA_V
ClientSampleId :

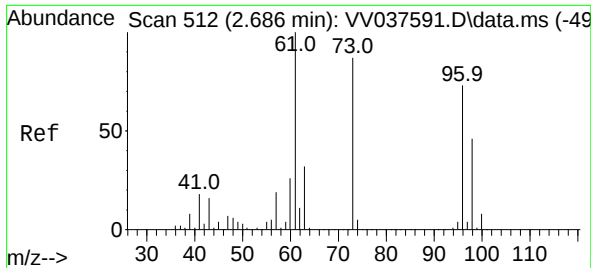
Tgt Ion: 43 Resp: 178418
Ion Ratio Lower Upper
43 100
74 24.0 19.4 29.0



#16
Methylene chloride
Concen: 50.024 ug/L
RT: 2.445 min Scan# 437
Delta R.T. 0.003 min
Lab File: VV037597.D
Acq: 27 Sep 2024 11:37

Tgt Ion: 84 Resp: 246700
Ion Ratio Lower Upper
84 100
86 65.9 46.4 86.2
49 122.1 85.9 159.5





#17

trans-1,2-Dichloroethene

Concen: 59.741 ug/L

RT: 2.690 min Scan# 512

Delta R.T. 0.003 min

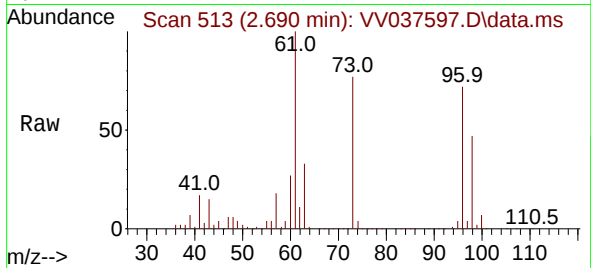
Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

Instrument :

MSVOA_V

ClientSampleId :



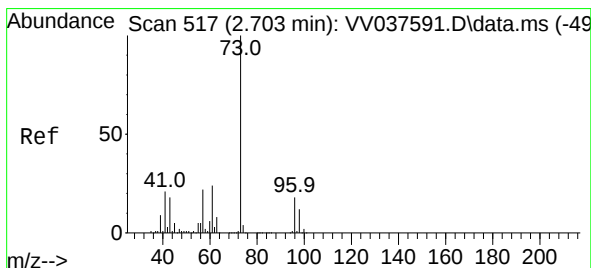
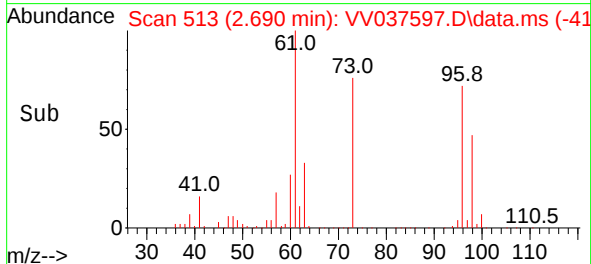
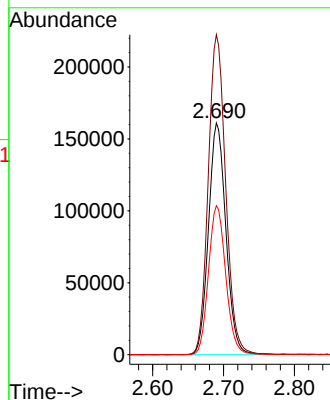
Tgt Ion: 96 Resp: 275271

Ion Ratio Lower Upper

96 100

61 138.2 97.3 180.7

98 64.3 43.9 81.5



#18

Methyl tert-butyl Ether

Concen: 51.600 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.003 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

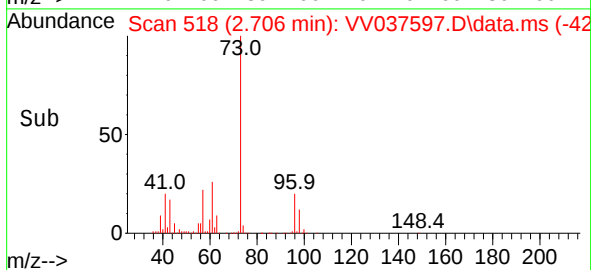
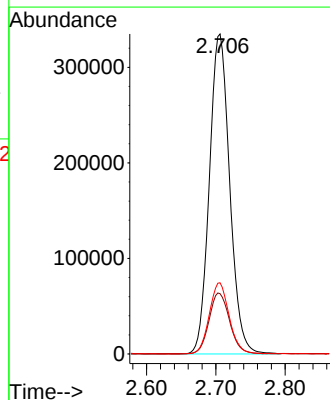
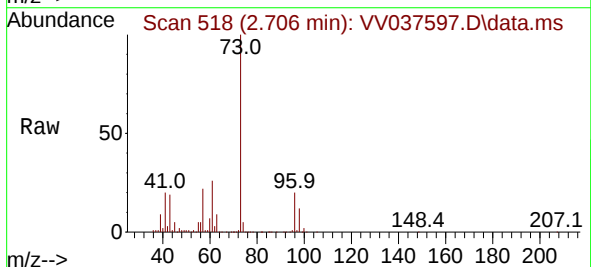
Tgt Ion: 73 Resp: 682143

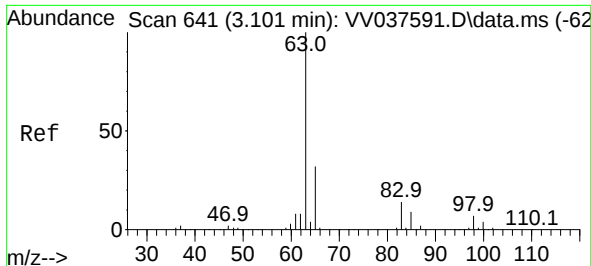
Ion Ratio Lower Upper

73 100

43 19.2 15.1 22.7

57 21.8 17.4 26.2

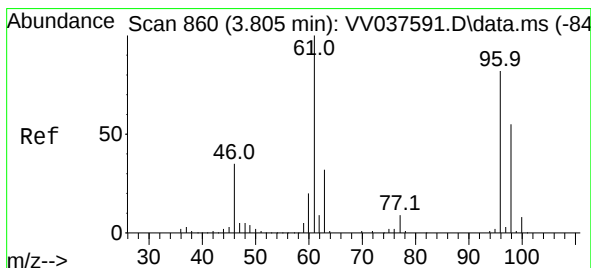
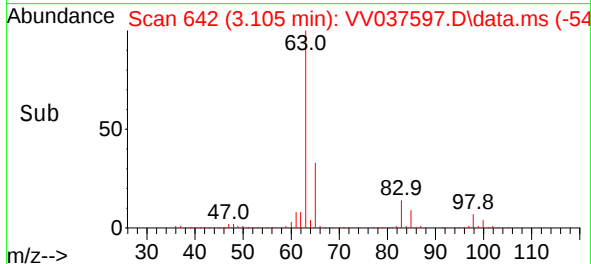
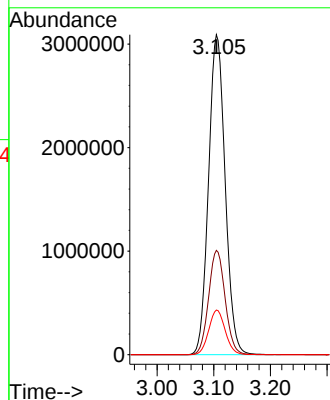
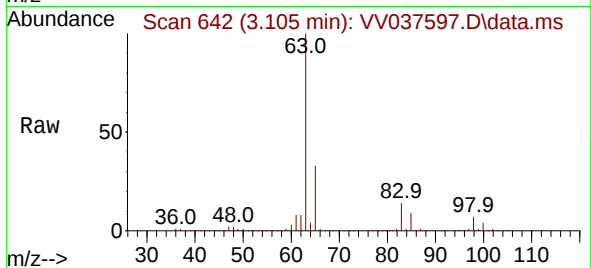




#19
1,1-Dichloroethane
Concen: 712.529 ug/L
RT: 3.105 min Scan# 641
Delta R.T. 0.003 min
Lab File: VV037597.D
Acq: 27 Sep 2024 11:37

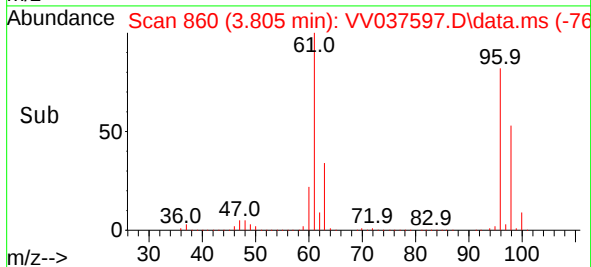
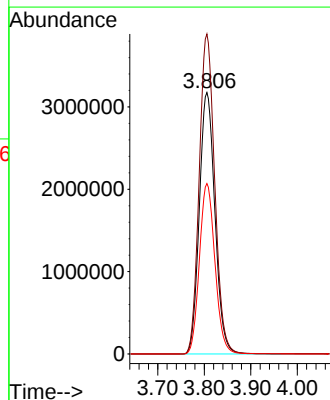
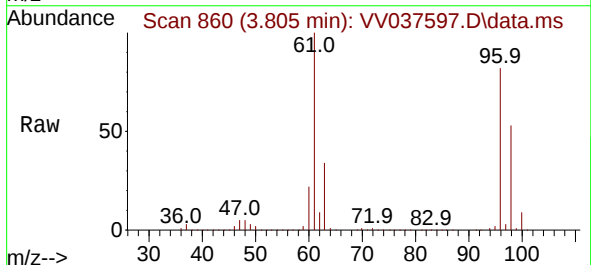
Instrument :
MSVOA_V
ClientSampleId :

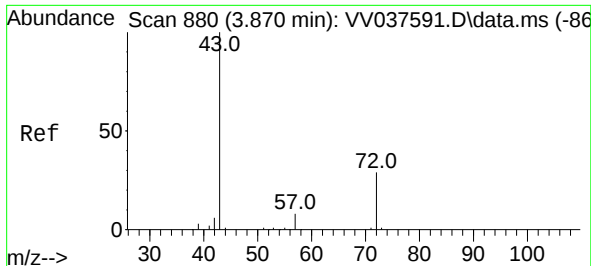
Tgt Ion: 63 Resp: 6290450
Ion Ratio Lower Upper
63 100
65 32.6 22.4 41.6
83 14.0 9.5 17.7



#20
cis-1,2-Dichloroethene
Concen: 1436.698 ug/L
RT: 3.805 min Scan# 860
Delta R.T. 0.000 min
Lab File: VV037597.D
Acq: 27 Sep 2024 11:37

Tgt Ion: 96 Resp: 7408100
Ion Ratio Lower Upper
96 100
61 122.4 85.0 157.8
98 65.2 44.2 82.0

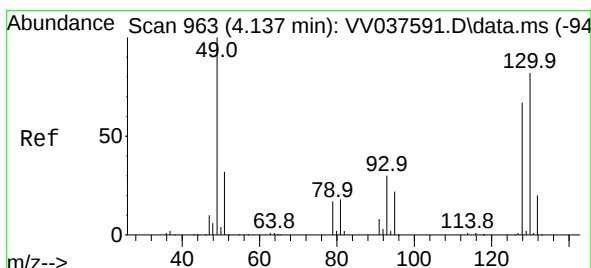
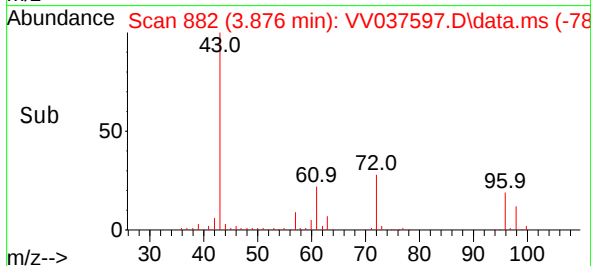
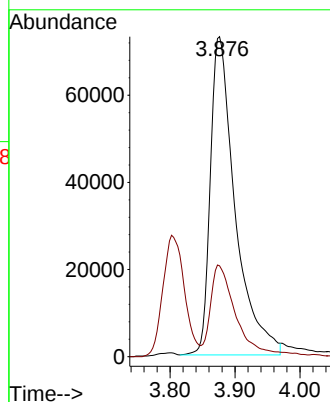
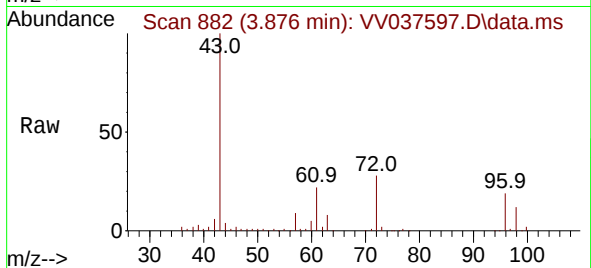




#22
2-Butanone
Concen: 87.306 ug/L
RT: 3.876 min Scan# 880
Delta R.T. 0.007 min
Lab File: VV037597.D
Acq: 27 Sep 2024 11:37

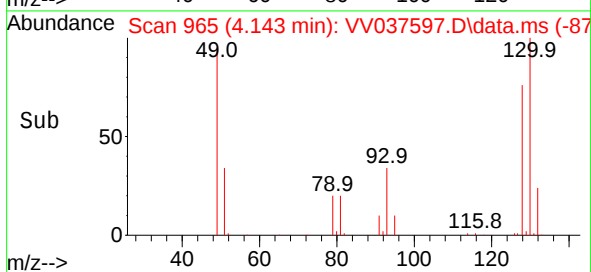
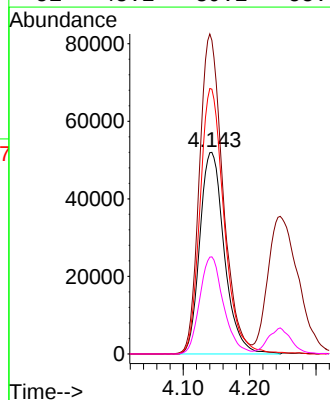
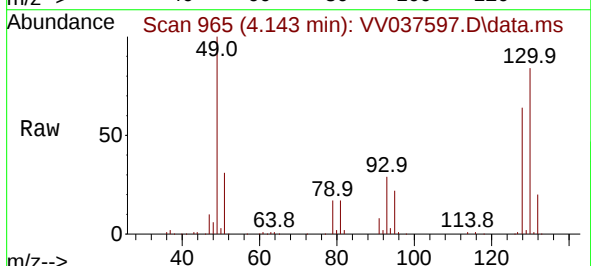
Instrument :
MSVOA_V
ClientSampleId :

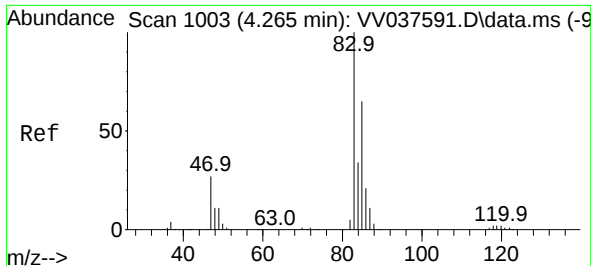
Tgt Ion: 43 Resp: 193780
Ion Ratio Lower Upper
43 100
72 27.3 14.3 42.9



#23
Bromochloromethane
Concen: 49.986 ug/L
RT: 4.143 min Scan# 965
Delta R.T. 0.007 min
Lab File: VV037597.D
Acq: 27 Sep 2024 11:37

Tgt Ion:128 Resp: 133327
Ion Ratio Lower Upper
128 100
49 155.5 108.7 201.9
130 131.3 90.4 168.0
51 48.2 39.2 58.8





#25

Chloroform

Concen: 49.971 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. 0.007 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

Instrument :

MSVOA_V

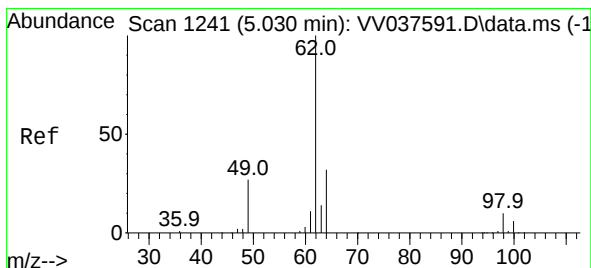
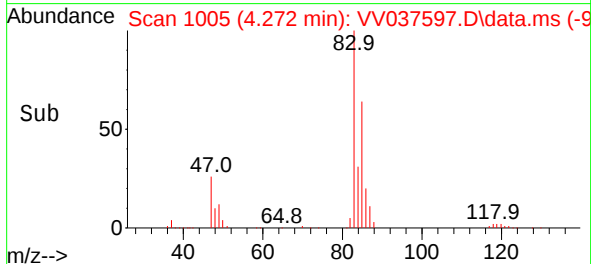
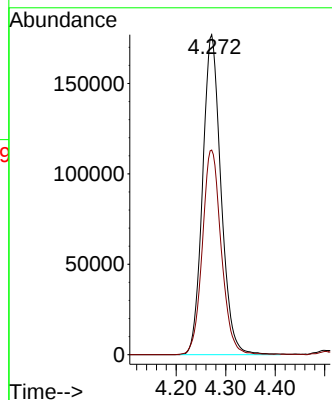
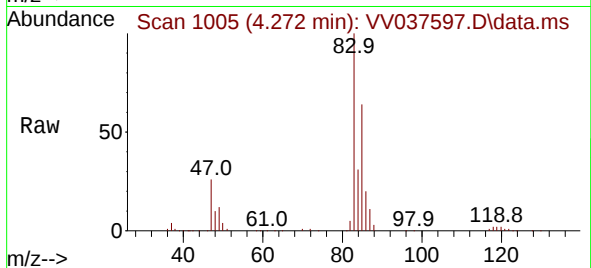
ClientSampleId :

Tgt Ion: 83 Resp: 456757

Ion Ratio Lower Upper

83 100

85 64.0 45.1 83.7



#27

1,2-Dichloroethane

Concen: 55.757 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.007 min

Lab File: VV037597.D

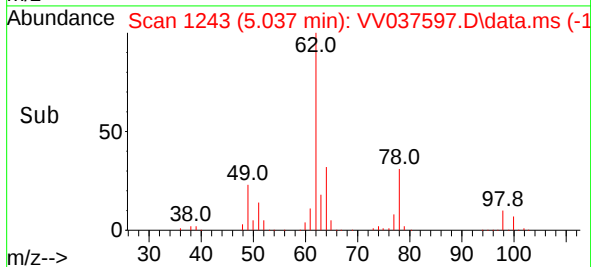
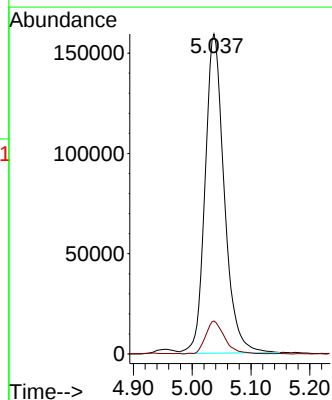
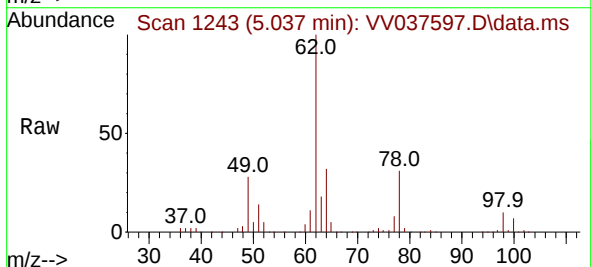
Acq: 27 Sep 2024 11:37

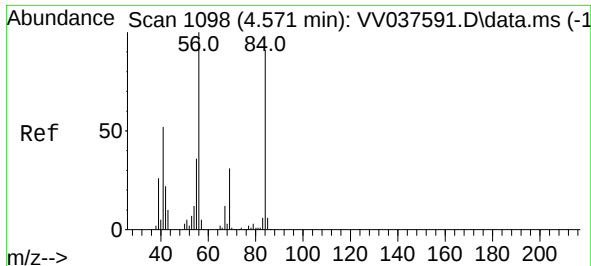
Tgt Ion: 62 Resp: 359791

Ion Ratio Lower Upper

62 100

98 10.3 8.4 12.6





#29

Cyclohexane

Concen: 50.915 ug/L

RT: 4.574 min Scan# 1098

Delta R.T. 0.003 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

Instrument :

MSVOA_V

ClientSampleId :

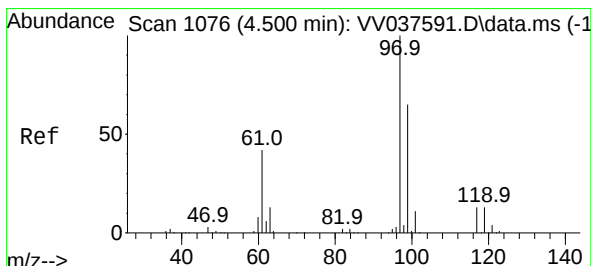
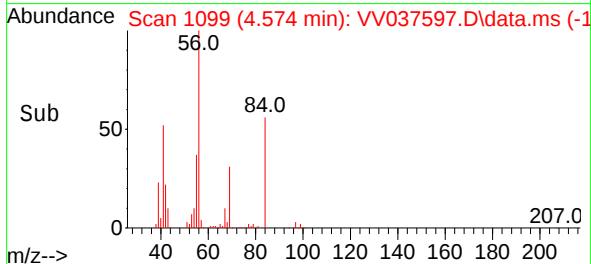
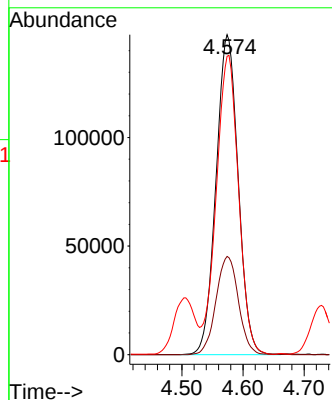
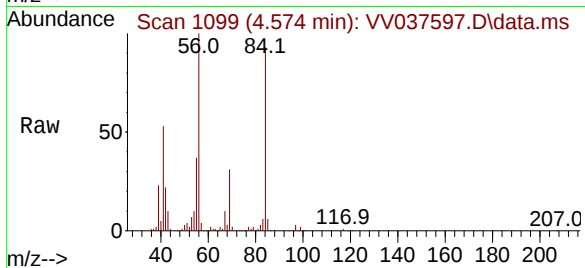
Tgt Ion: 56 Resp: 370142

Ion Ratio Lower Upper

56 100

69 31.1 24.7 37.1

84 93.5 73.4 110.0



#30

1,1,1-Trichloroethane

Concen: 509.245 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

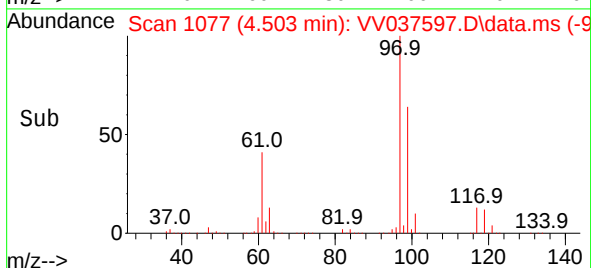
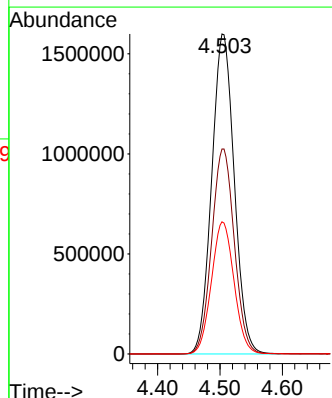
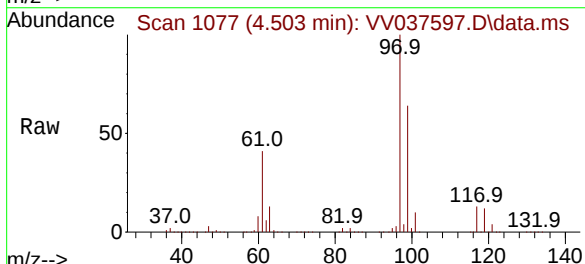
Tgt Ion: 97 Resp: 4015876

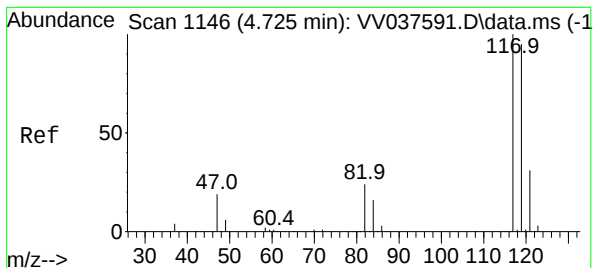
Ion Ratio Lower Upper

97 100

99 64.4 51.8 77.6

61 41.3 33.6 50.4





#31

Carbon tetrachloride

Concen: 50.930 ug/L

RT: 4.728 min Scan# 1146

Delta R.T. 0.003 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

Instrument :

MSVOA_V

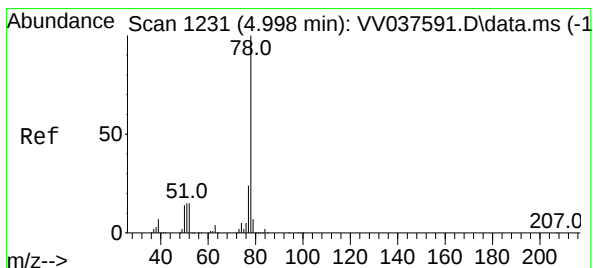
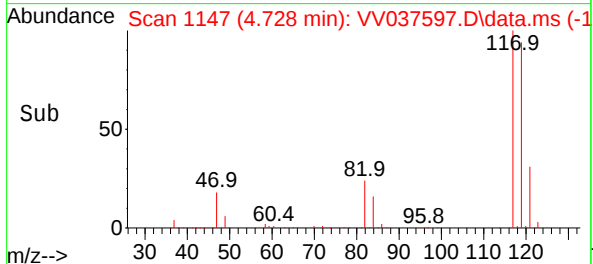
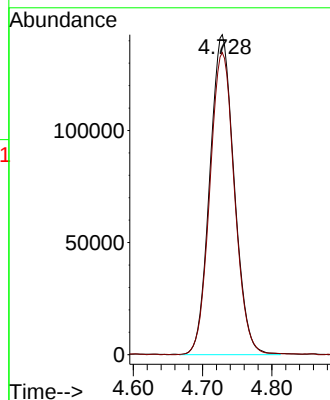
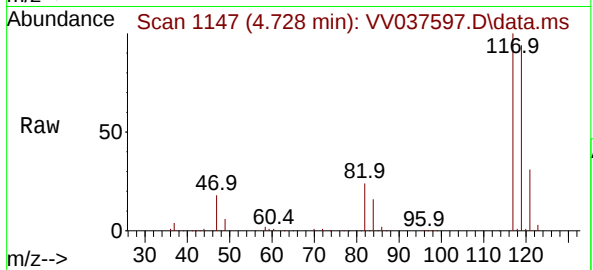
ClientSampleId :

Tgt Ion:117 Resp: 349184

Ion Ratio Lower Upper

117 100

119 95.5 76.9 115.3



#33

Benzene

Concen: 51.242 ug/L

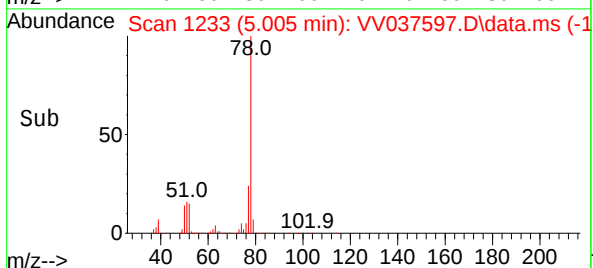
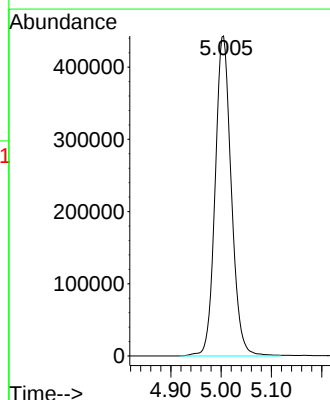
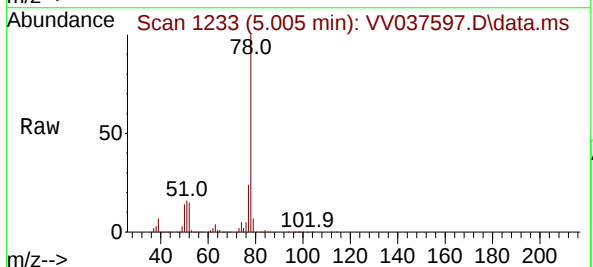
RT: 5.005 min Scan# 1233

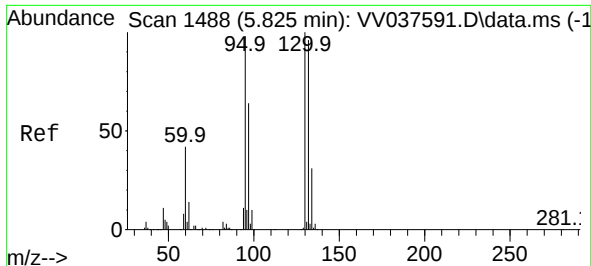
Delta R.T. 0.007 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

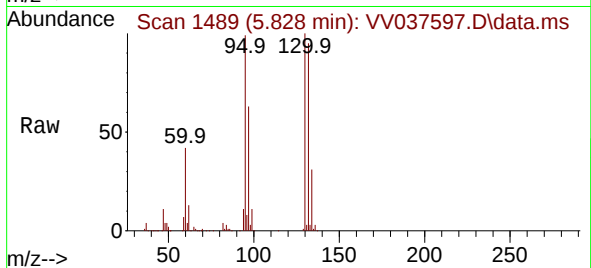
Tgt Ion: 78 Resp: 989504



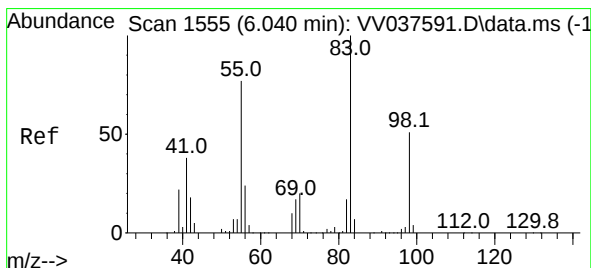
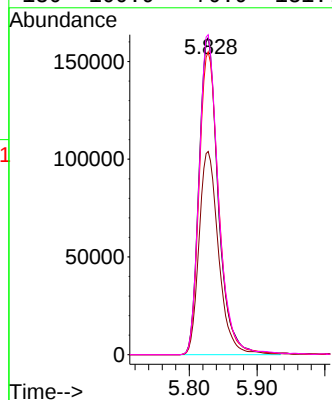
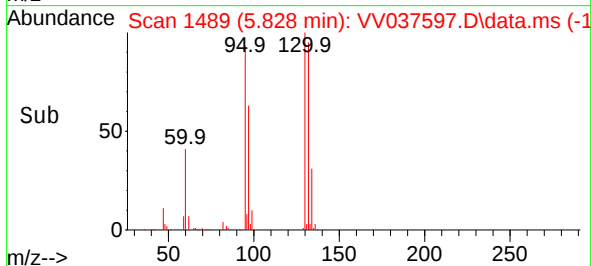


#34
Trichloroethene
Concen: 62.186 ug/L
RT: 5.828 min Scan# 1488
Delta R.T. 0.003 min
Lab File: VV037597.D
Acq: 27 Sep 2024 11:37

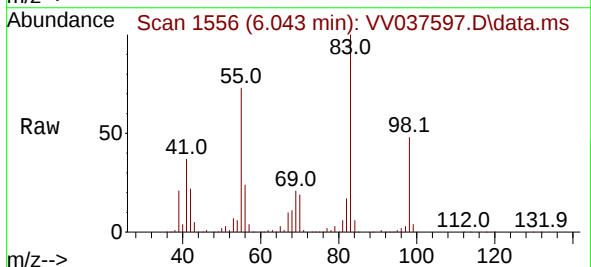
Instrument :
MSVOA_V
ClientSampleId :



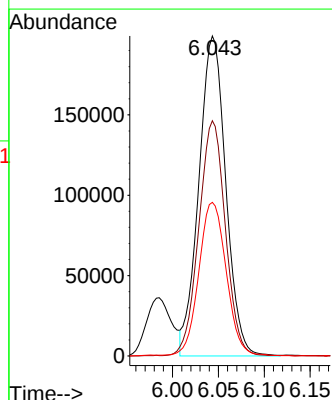
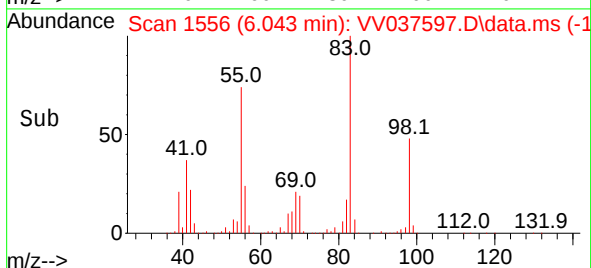
Tgt Ion: 95 Resp: 319797
Ion Ratio Lower Upper
95 100
97 64.1 46.3 85.9
132 95.5 68.6 127.4
130 100.9 70.9 131.7

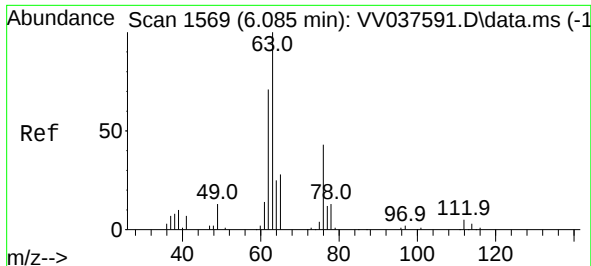


#35
Methylcyclohexane
Concen: 51.462 ug/L
RT: 6.043 min Scan# 1556
Delta R.T. 0.003 min
Lab File: VV037597.D
Acq: 27 Sep 2024 11:37



Tgt Ion: 83 Resp: 407120
Ion Ratio Lower Upper
83 100
55 72.4 57.9 86.9
98 49.0 39.3 58.9

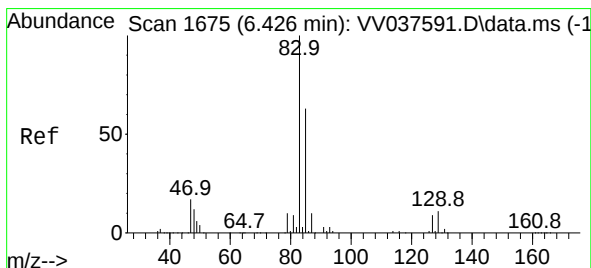
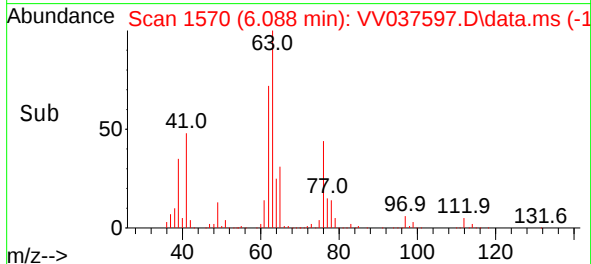
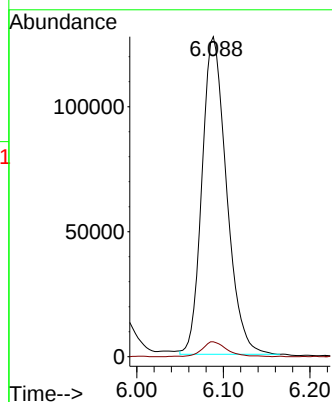
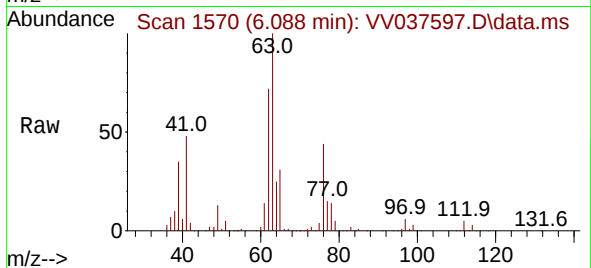




#37
1,2-Dichloropropane
Concen: 50.110 ug/L
RT: 6.088 min Scan# 1569
Delta R.T. 0.003 min
Lab File: VV037597.D
Acq: 27 Sep 2024 11:37

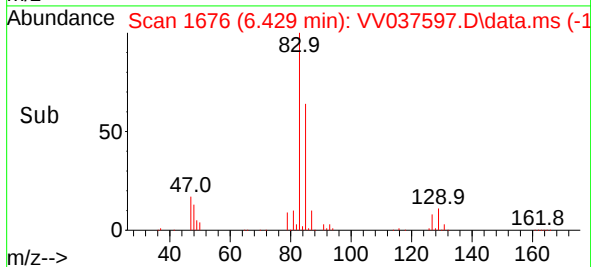
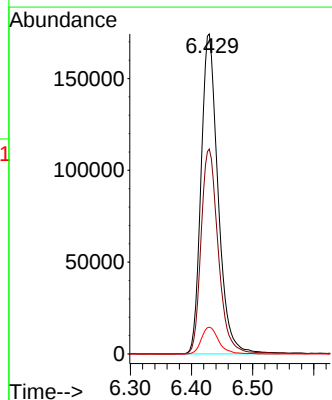
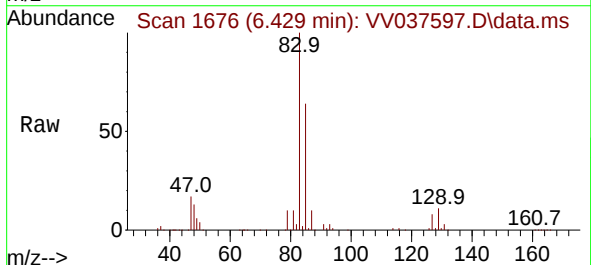
Instrument :
MSVOA_V
ClientSampleId :

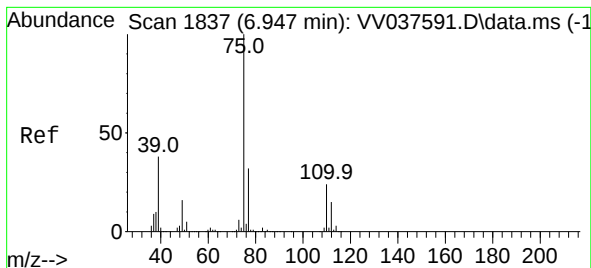
Tgt Ion: 63 Resp: 249873
Ion Ratio Lower Upper
63 100
112 4.8 3.5 5.3



#38
Bromodichloromethane
Concen: 50.359 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.003 min
Lab File: VV037597.D
Acq: 27 Sep 2024 11:37

Tgt Ion: 83 Resp: 335684
Ion Ratio Lower Upper
83 100
85 64.0 45.7 84.9
127 8.4 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 50.236 ug/L

RT: 6.950 min Scan# 1838

Delta R.T. 0.003 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

Instrument :

MSVOA_V

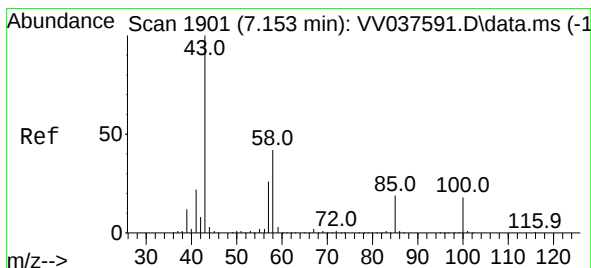
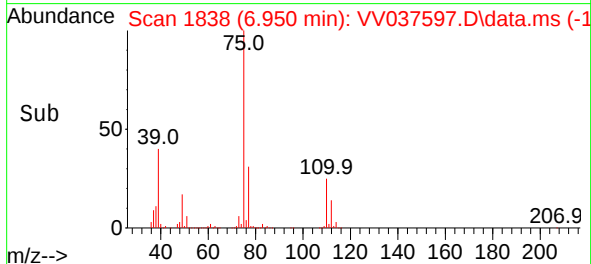
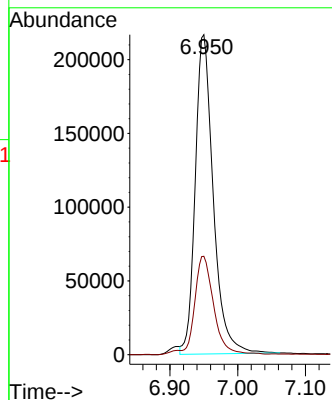
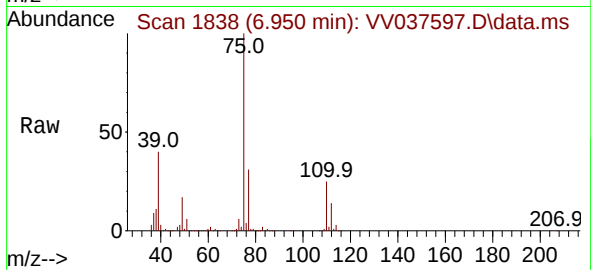
ClientSampleId :

Tgt Ion: 75 Resp: 399870

Ion Ratio Lower Upper

75 100

77 30.8 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 104.966 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

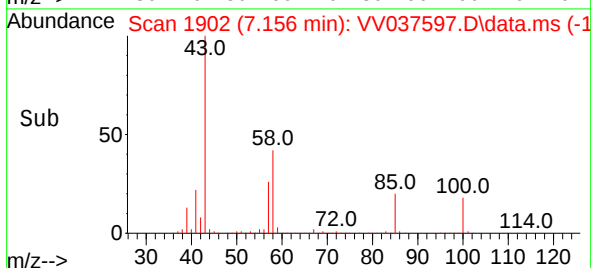
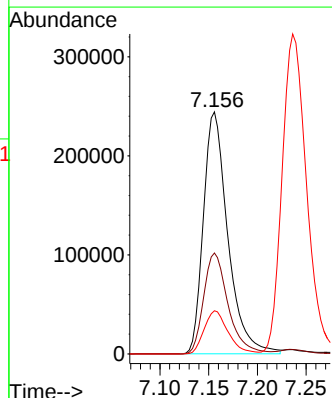
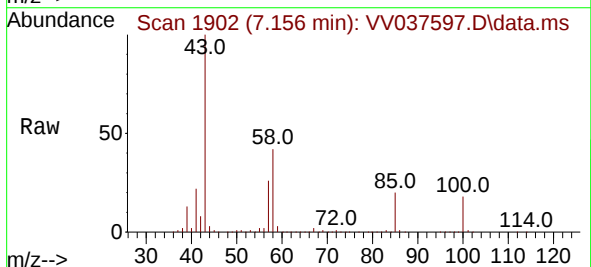
Tgt Ion: 43 Resp: 426163

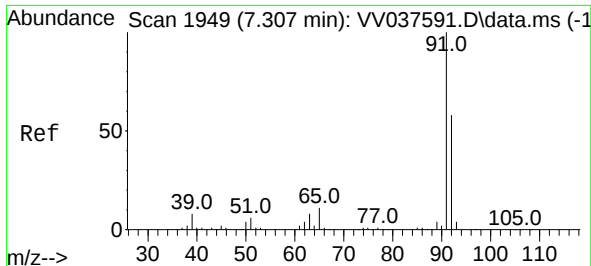
Ion Ratio Lower Upper

43 100

58 41.8 33.0 49.4

100 17.6 13.7 20.5





#42

Toluene

Concen: 67.172 ug/L

RT: 7.310 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

Instrument :

MSVOA_V

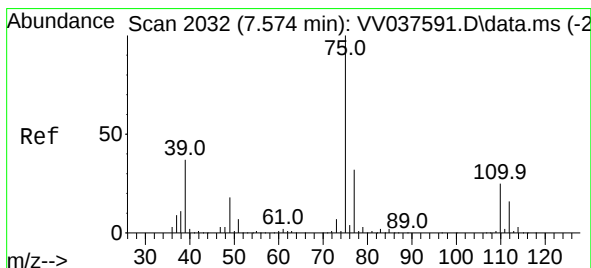
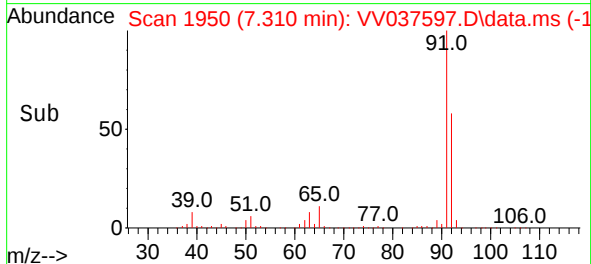
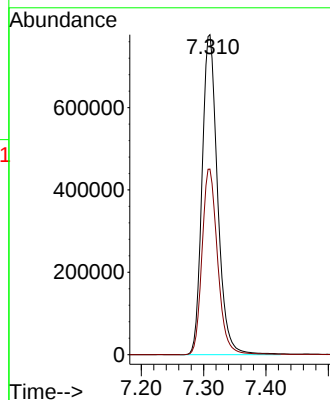
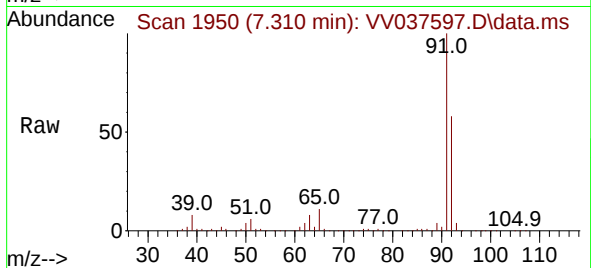
ClientSampleId :

Tgt Ion: 91 Resp: 1344694

Ion Ratio Lower Upper

91 100

92 58.0 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 51.459 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.003 min

Lab File: VV037597.D

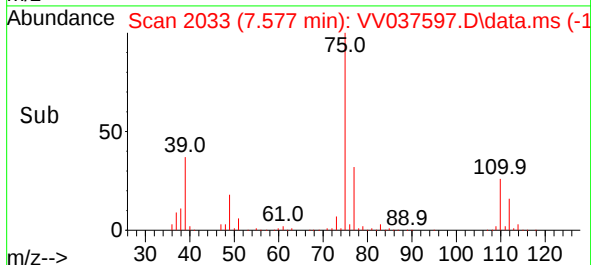
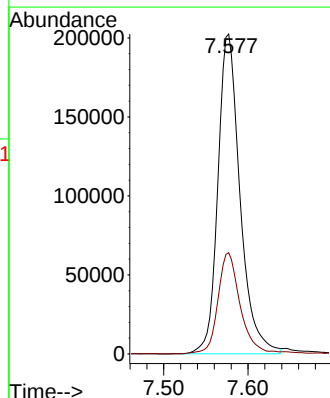
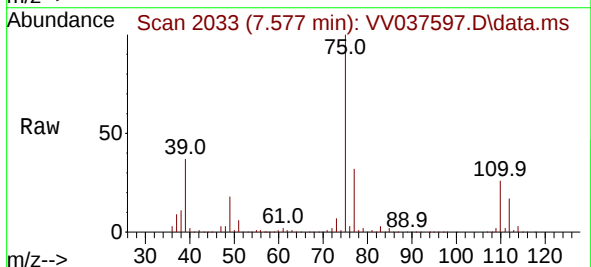
Acq: 27 Sep 2024 11:37

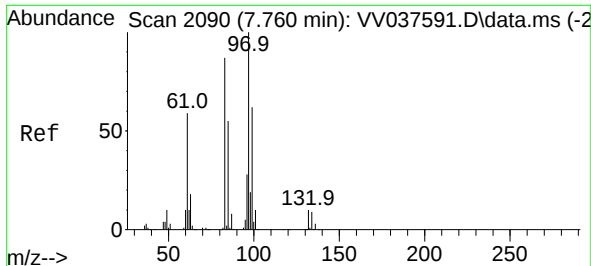
Tgt Ion: 75 Resp: 368768

Ion Ratio Lower Upper

75 100

77 31.7 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 51.388 ug/L

RT: 7.764 min Scan# 2090

Delta R.T. 0.003 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 246045

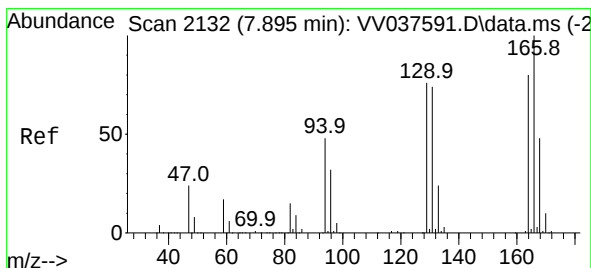
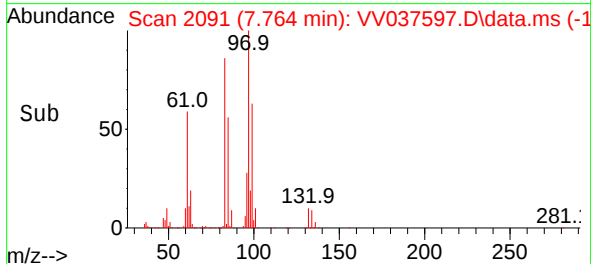
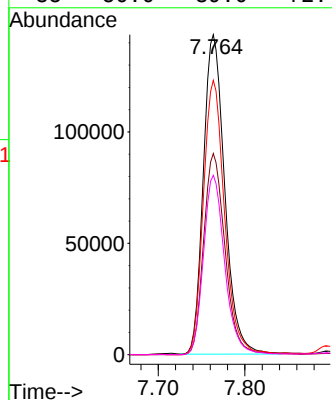
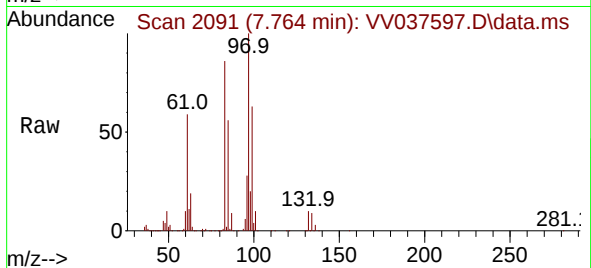
Ion Ratio Lower Upper

97 100

99 62.9 44.1 81.9

83 85.8 59.3 110.1

85 56.0 39.0 72.4



#46

Tetrachloroethene

Concen: 63.558 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.003 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

Tgt Ion:164 Resp: 249900

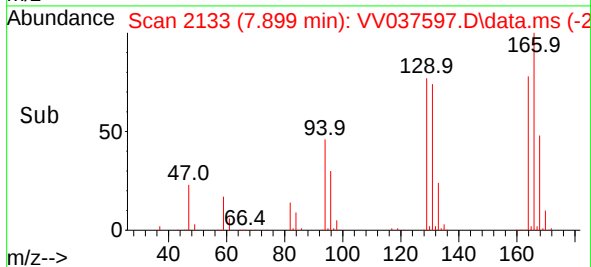
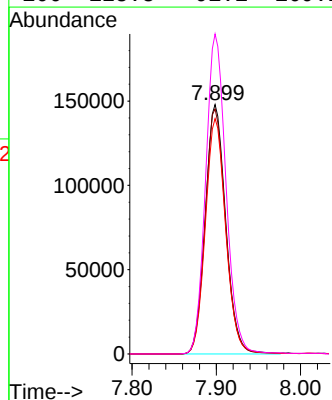
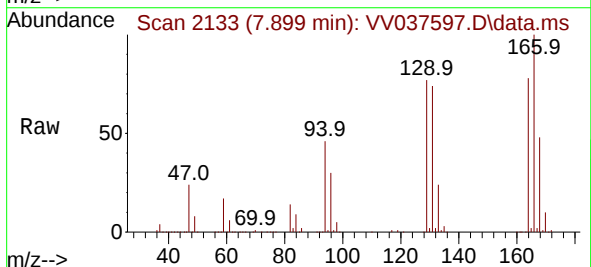
Ion Ratio Lower Upper

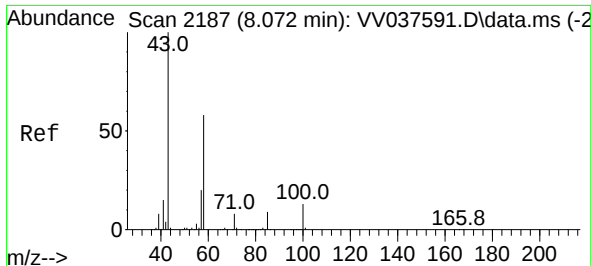
164 100

129 98.2 68.2 126.6

131 94.3 66.1 122.8

166 128.3 91.1 169.1





#48

2-Hexanone

Concen: 96.730 ug/L

RT: 8.072 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 305376

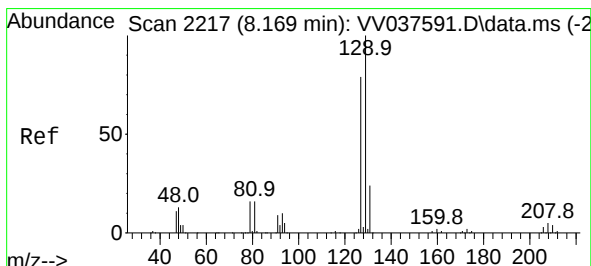
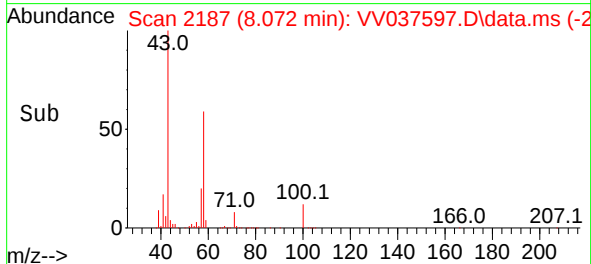
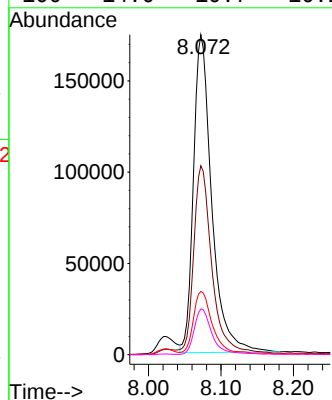
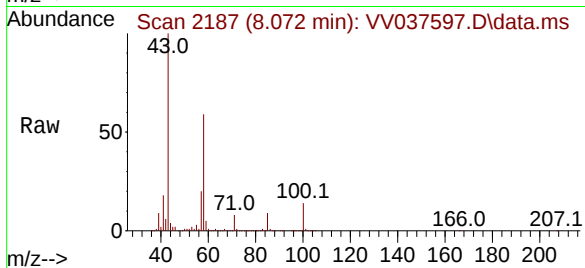
Ion Ratio Lower Upper

43 100

58 59.1 46.5 69.7

57 19.9 15.1 22.7

100 14.0 10.7 16.1



#49

Dibromochloromethane

Concen: 51.201 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.003 min

Lab File: VV037597.D

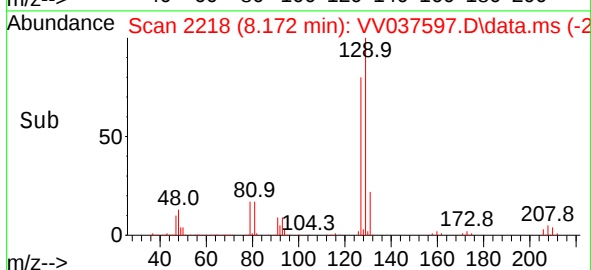
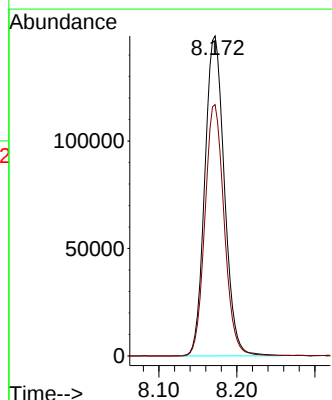
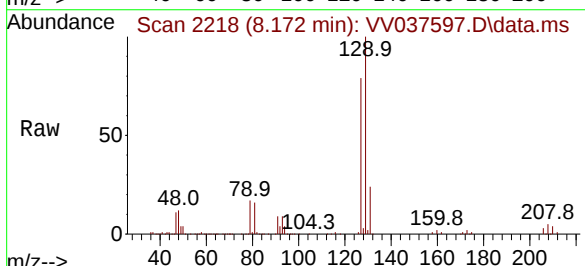
Acq: 27 Sep 2024 11:37

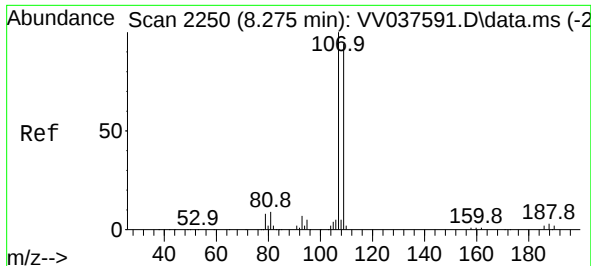
Tgt Ion:129 Resp: 259461

Ion Ratio Lower Upper

129 100

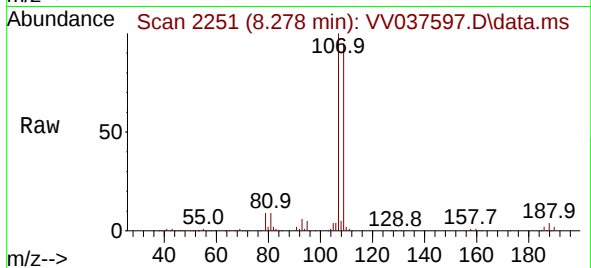
127 78.6 54.9 101.9



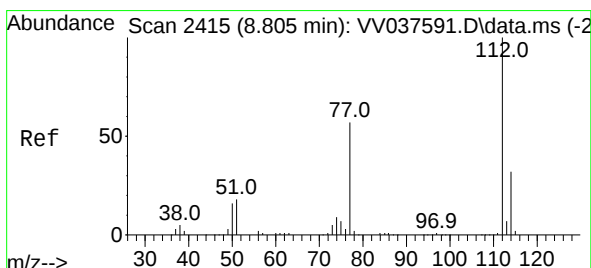
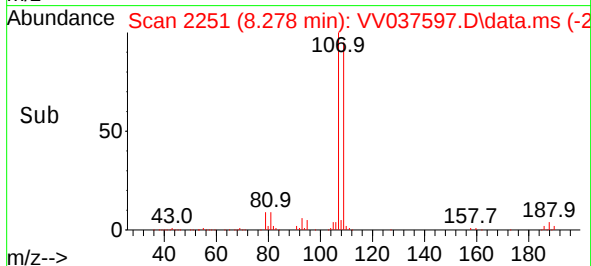
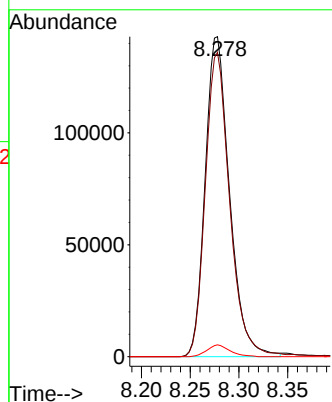


#50
1,2-Dibromoethane
Concen: 50.284 ug/L
RT: 8.278 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV037597.D
Acq: 27 Sep 2024 11:37

Instrument :
MSVOA_V
ClientSampleId :

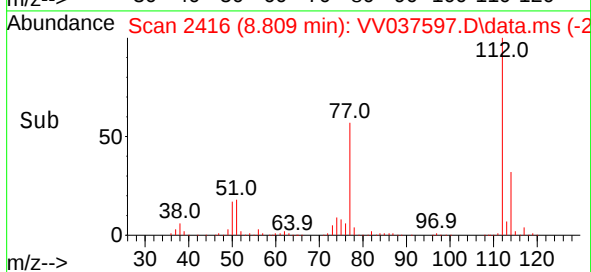
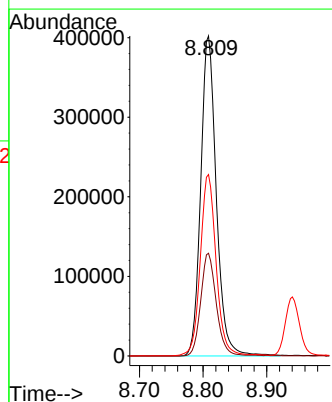
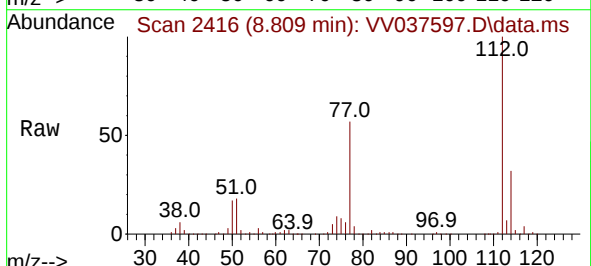


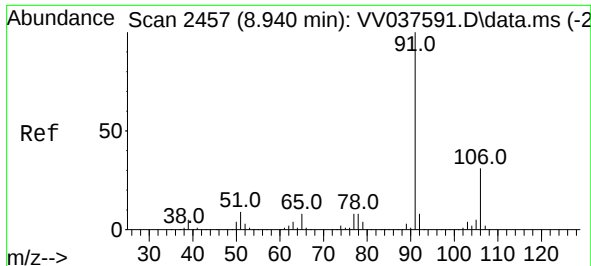
Tgt Ion:107 Resp: 248873
Ion Ratio Lower Upper
107 100
109 95.1 65.7 121.9
188 3.8 2.8 4.2



#51
Chlorobenzene
Concen: 50.236 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. 0.003 min
Lab File: VV037597.D
Acq: 27 Sep 2024 11:37

Tgt Ion:112 Resp: 685158
Ion Ratio Lower Upper
112 100
114 32.1 22.5 41.7
77 56.7 45.8 68.8





#52

Ethylbenzene

Concen: 57.313 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. 0.000 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

Instrument :

MSVOA_V

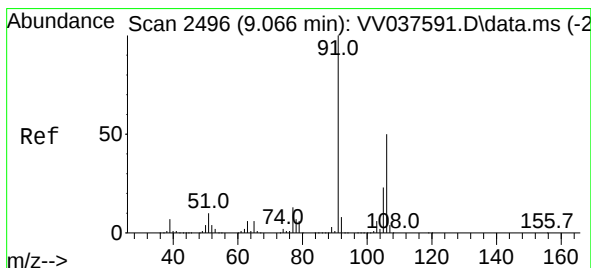
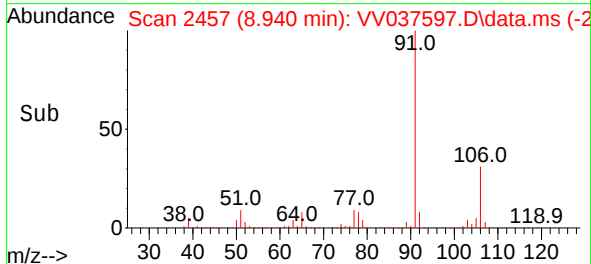
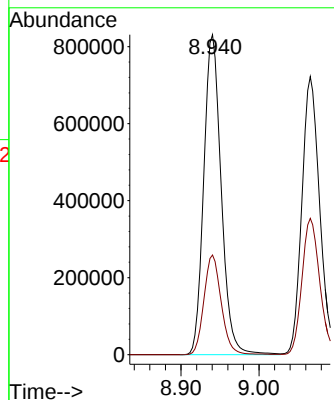
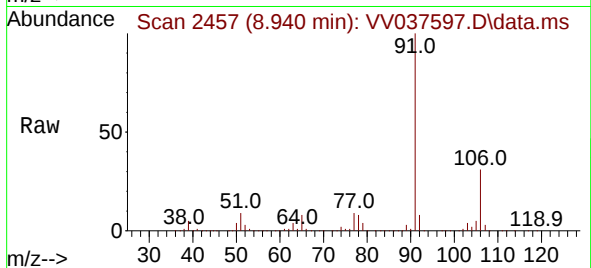
ClientSampleId :

Tgt Ion: 91 Resp: 1291502

Ion Ratio Lower Upper

91 100

106 31.1 21.9 40.7



#53

m,p-Xylene

Concen: 67.404 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. 0.000 min

Lab File: VV037597.D

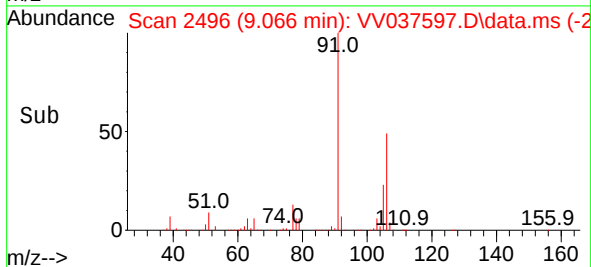
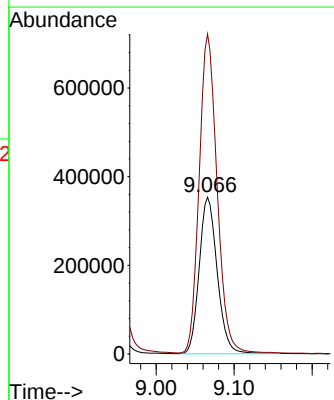
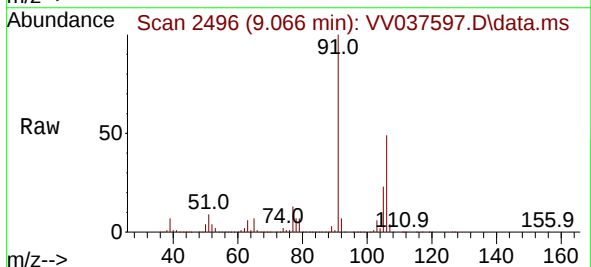
Acq: 27 Sep 2024 11:37

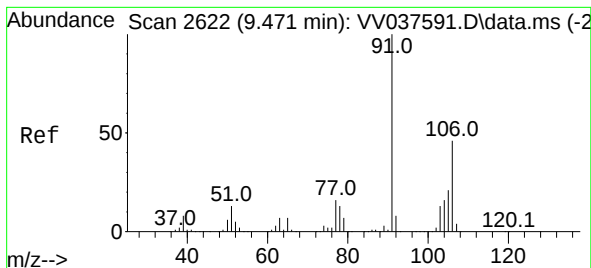
Tgt Ion:106 Resp: 565289

Ion Ratio Lower Upper

106 100

91 204.0 142.0 263.6





#54

o-Xylene

Concen: 70.621 ug/L

RT: 9.471 min Scan# 20

Delta R.T. 0.000 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

Instrument :

MSVOA_V

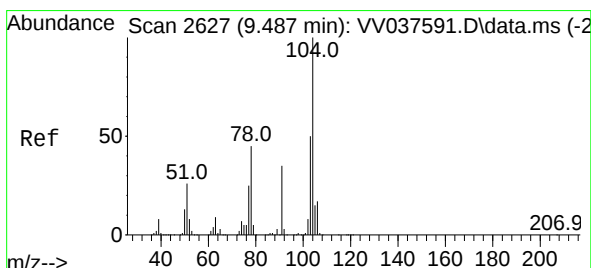
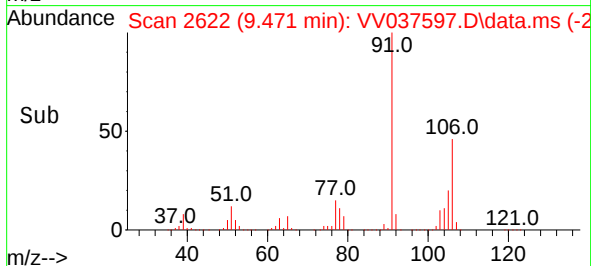
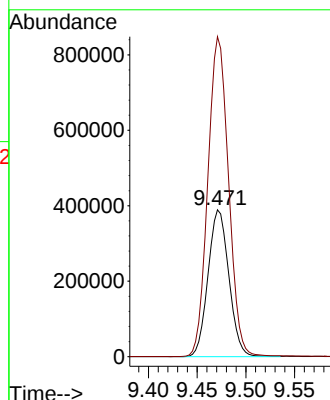
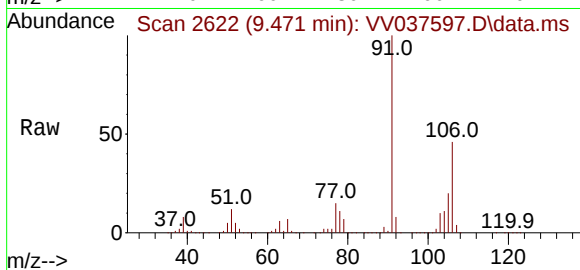
ClientSampleId :

Tgt Ion:106 Resp: 578218

Ion Ratio Lower Upper

106 100

91 217.8 153.9 285.9



#55

Styrene

Concen: 54.517 ug/L

RT: 9.490 min Scan# 2628

Delta R.T. 0.003 min

Lab File: VV037597.D

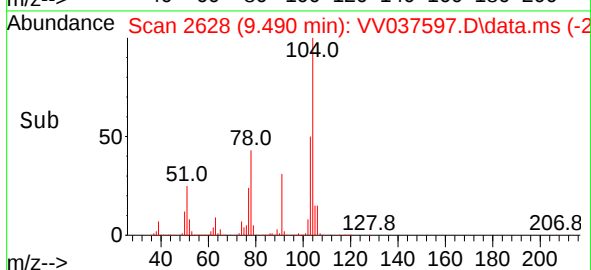
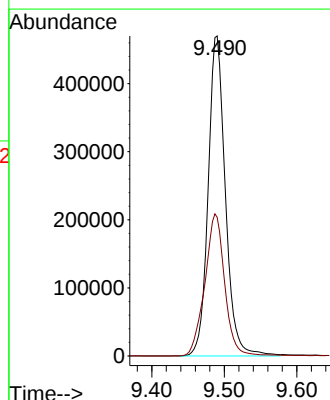
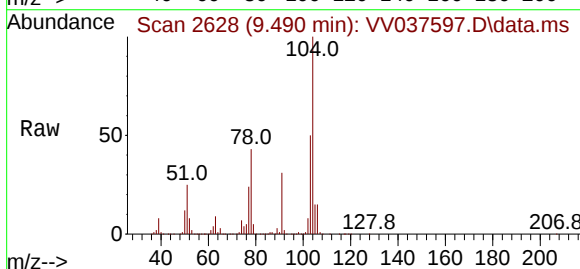
Acq: 27 Sep 2024 11:37

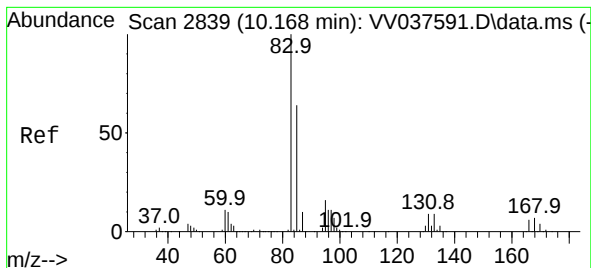
Tgt Ion:104 Resp: 777058

Ion Ratio Lower Upper

104 100

78 43.3 30.0 55.6





#57

1,1,2,2-Tetrachloroethane

Concen: 51.762 ug/L

RT: 10.172 min Scan# 2839

Delta R.T. 0.003 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

Instrument :

MSVOA_V

ClientSampleId :

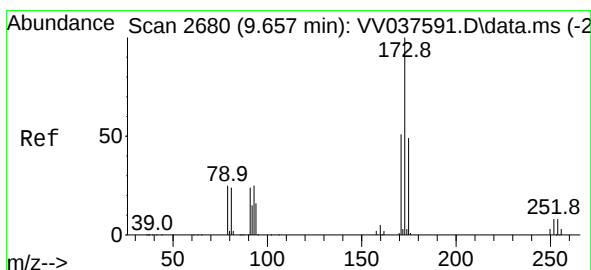
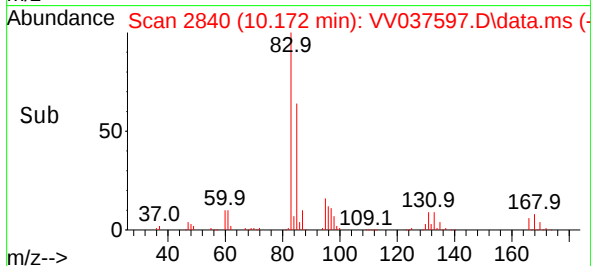
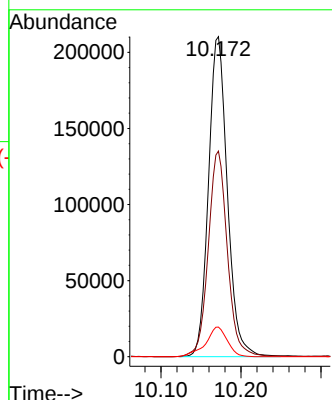
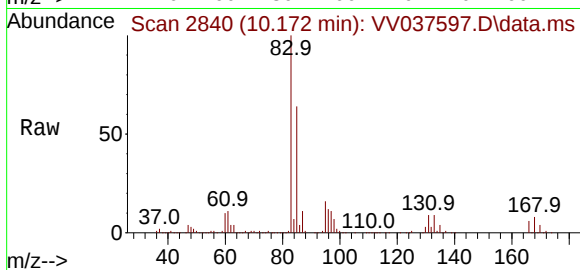
Tgt Ion: 83 Resp: 345535

Ion Ratio Lower Upper

83 100

85 64.2 45.9 85.3

131 9.3 7.9 11.9



#59

Bromoform

Concen: 50.959 ug/L

RT: 9.657 min Scan# 2680

Delta R.T. 0.000 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

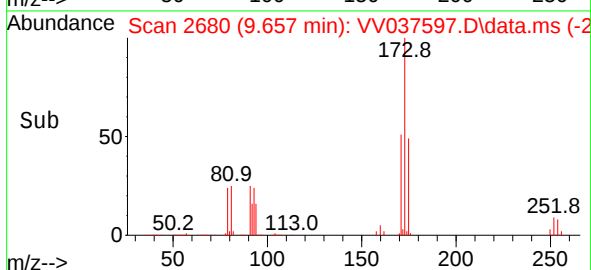
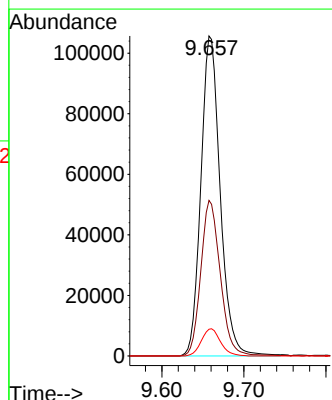
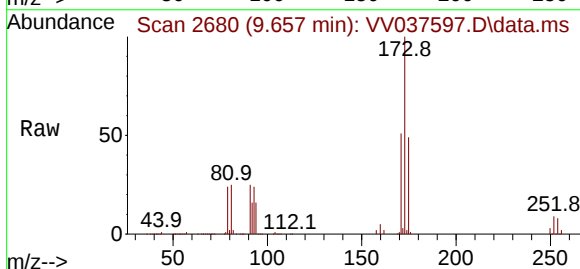
Tgt Ion:173 Resp: 172756

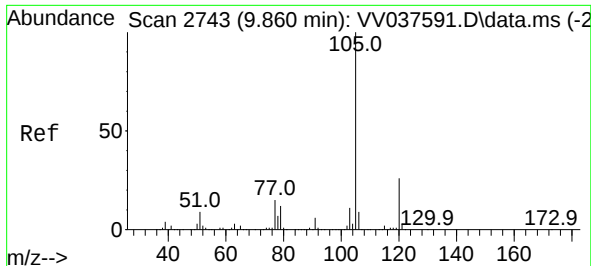
Ion Ratio Lower Upper

173 100

175 48.9 40.0 60.0

254 8.4 6.5 9.7

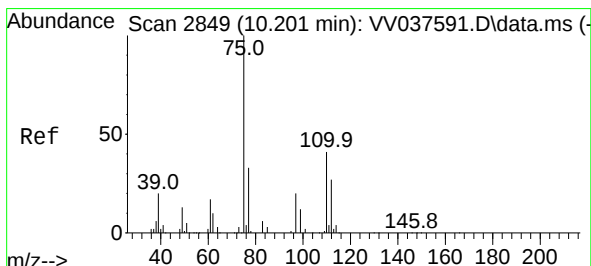
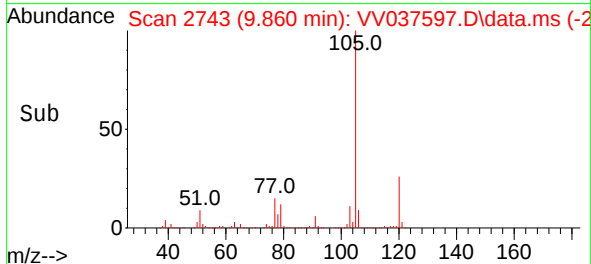
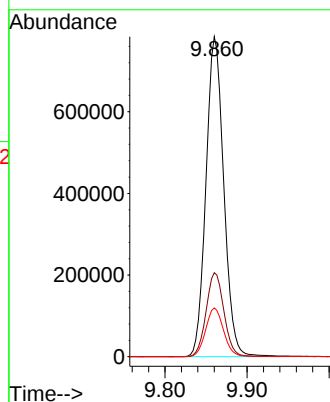
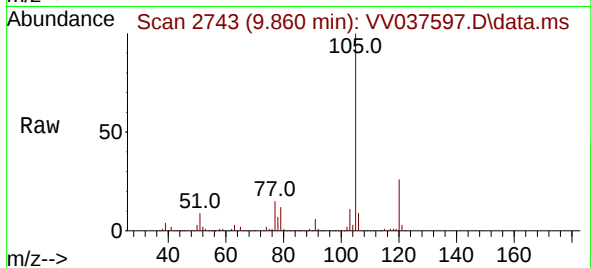




#60
Isopropylbenzene
Concen: 52.352 ug/L
RT: 9.860 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV037597.D
Acq: 27 Sep 2024 11:37

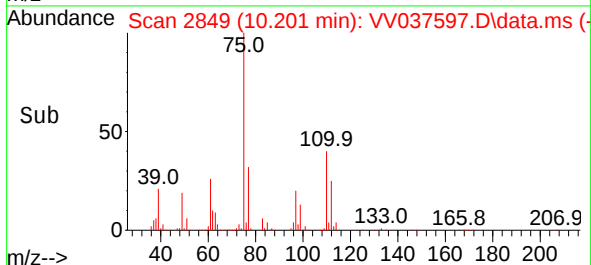
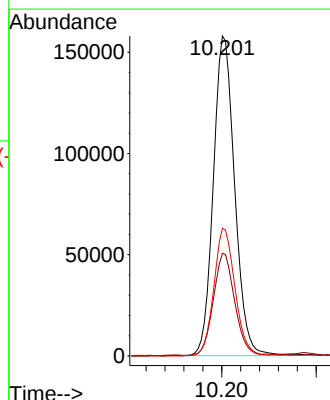
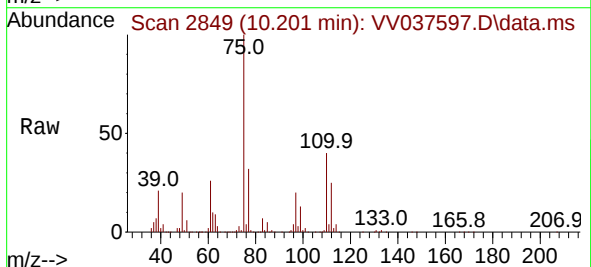
Instrument :
MSVOA_V
ClientSampleId :

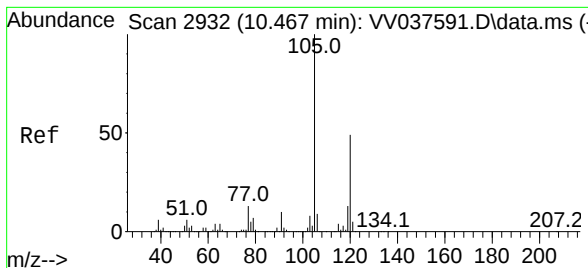
Tgt Ion:105 Resp: 1180572
Ion Ratio Lower Upper
105 100
120 26.3 20.7 31.1
77 15.2 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 49.964 ug/L
RT: 10.201 min Scan# 2849
Delta R.T. 0.000 min
Lab File: VV037597.D
Acq: 27 Sep 2024 11:37

Tgt Ion: 75 Resp: 246606
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0
110 39.8 31.7 47.5





#62

1,3,5-Trimethylbenzene

Concen: 64.054 ug/L

RT: 10.468 min Scan# 2932

Delta R.T. 0.000 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

Instrument :

MSVOA_V

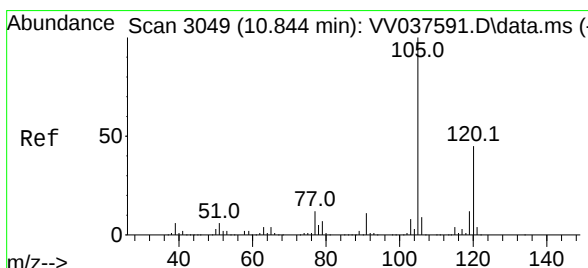
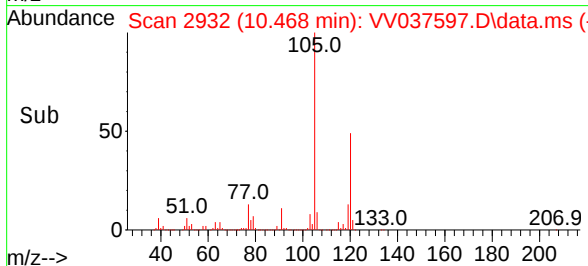
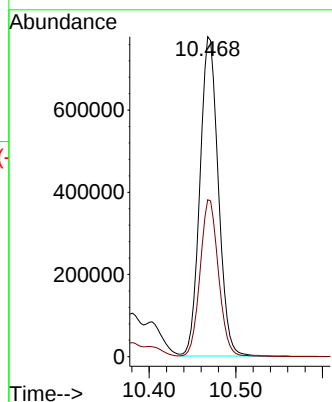
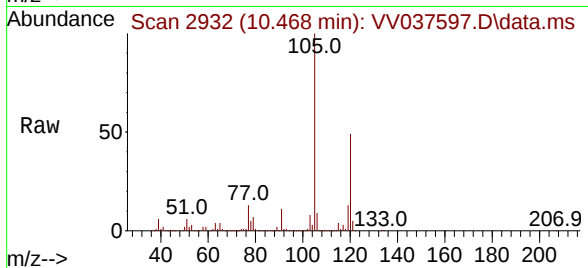
ClientSampleId :

Tgt Ion:105 Resp: 1142003

Ion Ratio Lower Upper

105 100

120 49.0 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 78.197 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VV037597.D

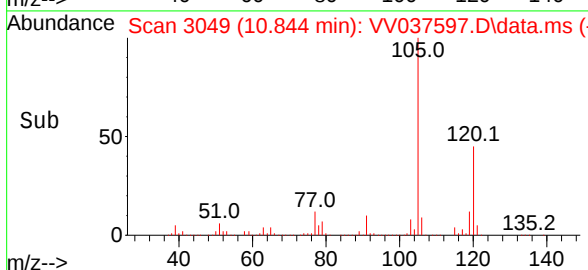
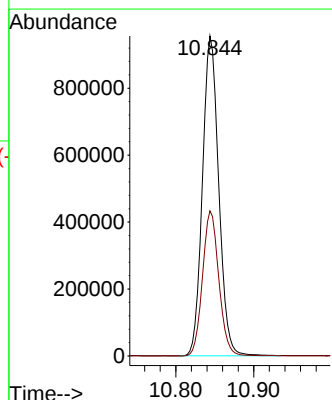
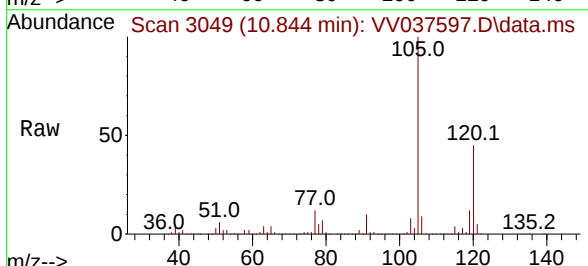
Acq: 27 Sep 2024 11:37

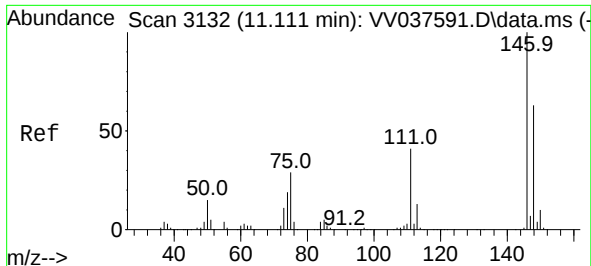
Tgt Ion:105 Resp: 1387144

Ion Ratio Lower Upper

105 100

120 45.4 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 50.413 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. 0.000 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

Instrument :

MSVOA_V

ClientSampleId :

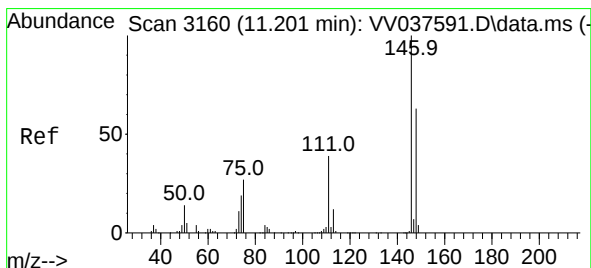
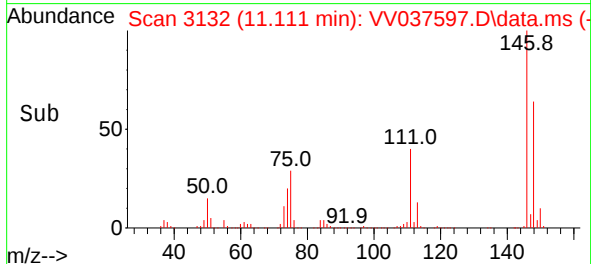
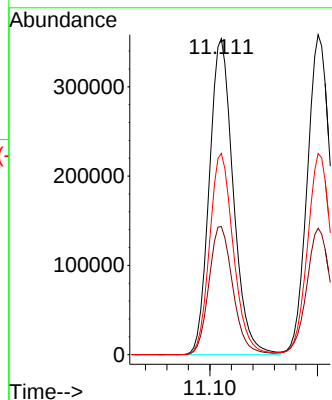
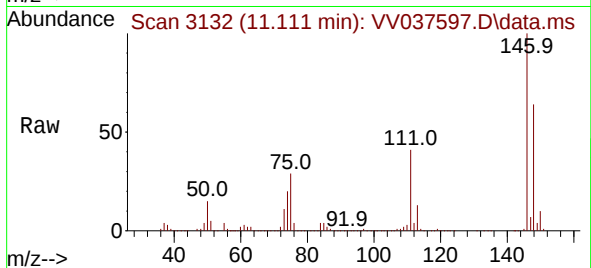
Tgt Ion:146 Resp: 547211

Ion Ratio Lower Upper

146 100

111 40.6 28.3 52.5

148 63.7 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 49.970 ug/L

RT: 11.201 min Scan# 3160

Delta R.T. 0.000 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

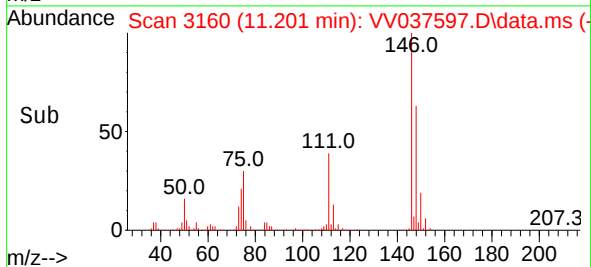
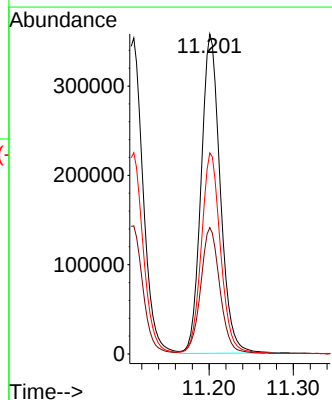
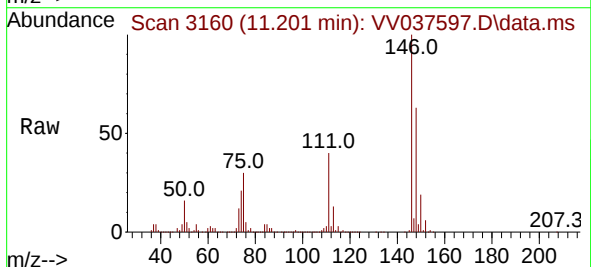
Tgt Ion:146 Resp: 564794

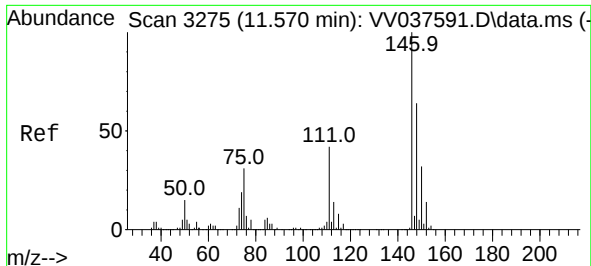
Ion Ratio Lower Upper

146 100

111 39.5 27.6 51.4

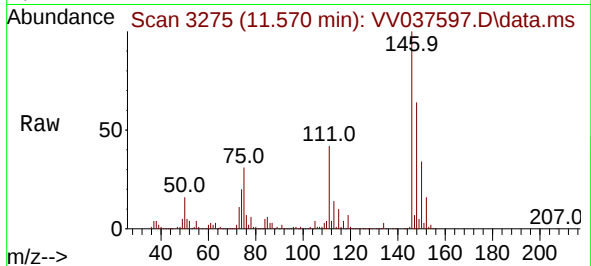
148 62.9 44.4 82.4



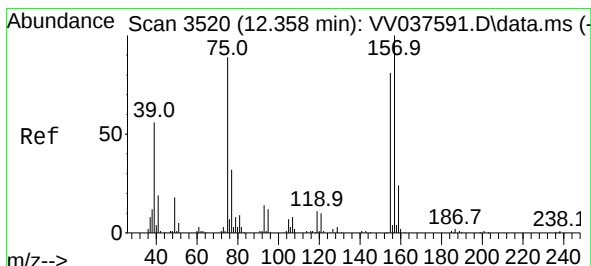
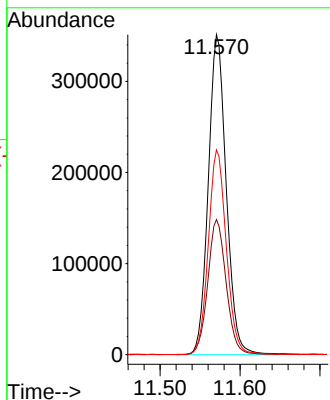
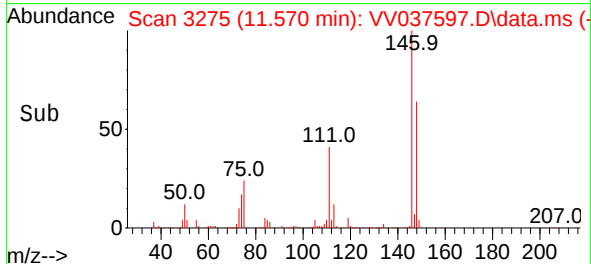


#67
1,2-Dichlorobenzene
Concen: 51.129 ug/L
RT: 11.570 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV037597.D
Acq: 27 Sep 2024 11:37

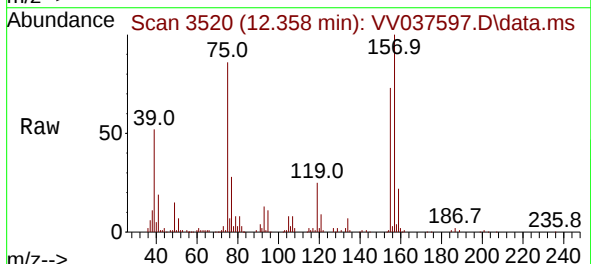
Instrument :
MSVOA_V
ClientSampleId :



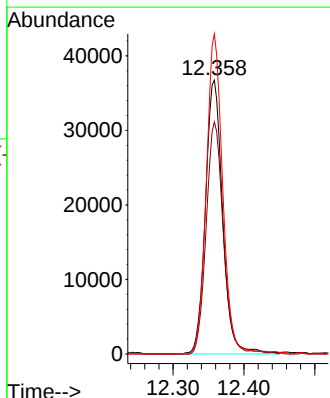
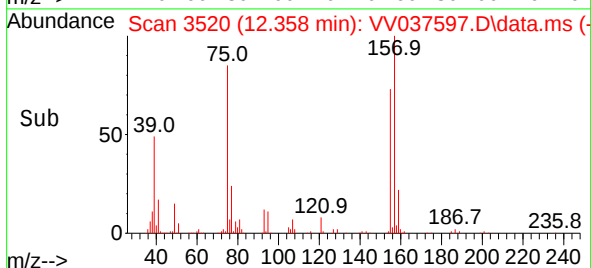
Tgt Ion:146 Resp: 548633
Ion Ratio Lower Upper
146 100
111 42.2 34.2 51.2
148 64.0 50.9 76.3

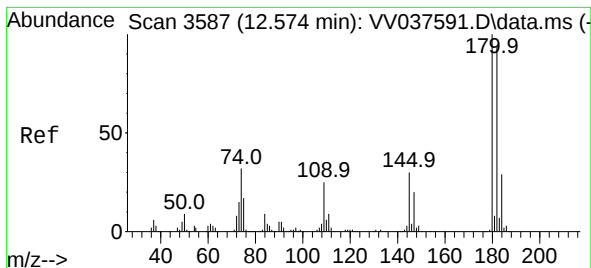


#68
1,2-Dibromo-3-chloropropane
Concen: 51.698 ug/L
RT: 12.358 min Scan# 3520
Delta R.T. 0.000 min
Lab File: VV037597.D
Acq: 27 Sep 2024 11:37



Tgt Ion: 75 Resp: 61940
Ion Ratio Lower Upper
75 100
155 84.8 66.2 99.4
157 116.9 87.3 130.9





#69

1,3,5-Trichlorobenzene

Concen: 49.926 ug/L

RT: 12.574 min Scan# 3587

Delta R.T. 0.000 min

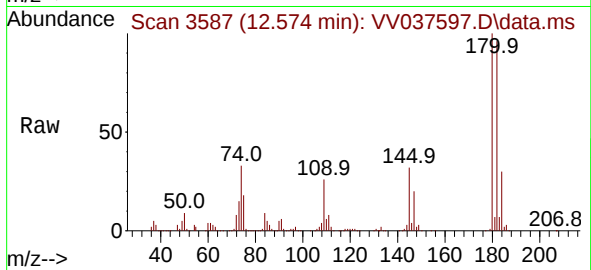
Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 372667

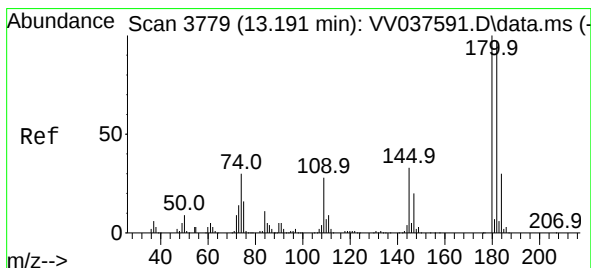
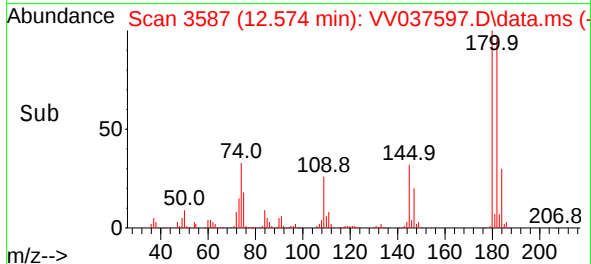
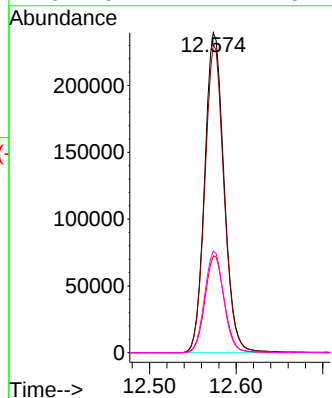
Ion Ratio Lower Upper

180 100

182 95.3 75.6 113.4

184 30.3 23.8 35.6

145 31.4 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 49.922 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. 0.000 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

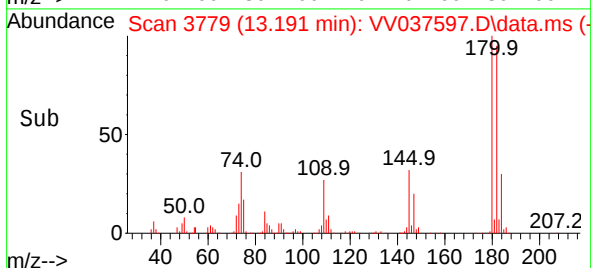
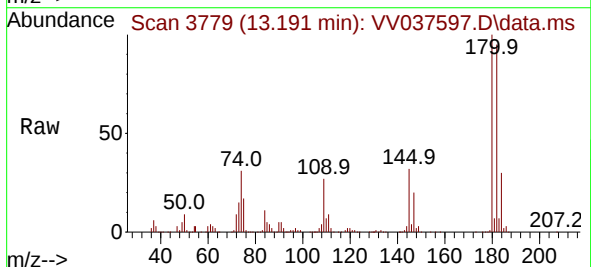
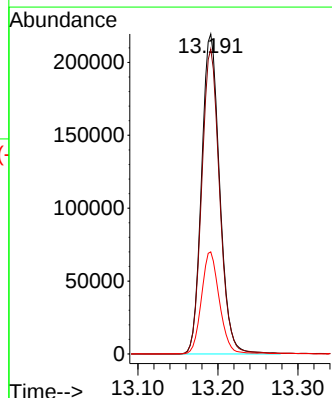
Tgt Ion:180 Resp: 345733

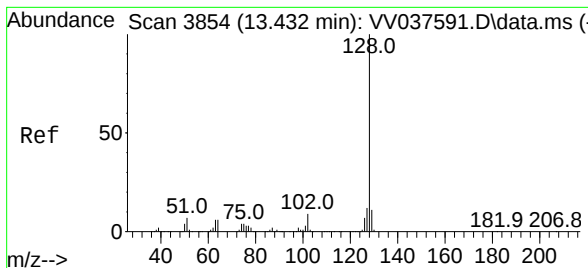
Ion Ratio Lower Upper

180 100

182 94.6 75.9 113.9

145 31.4 25.4 38.2





#71

Naphthalene

Concen: 54.512 ug/L

RT: 13.429 min Scan# 3853

Delta R.T. -0.003 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

Instrument :

MSVOA_V

ClientSampleId :

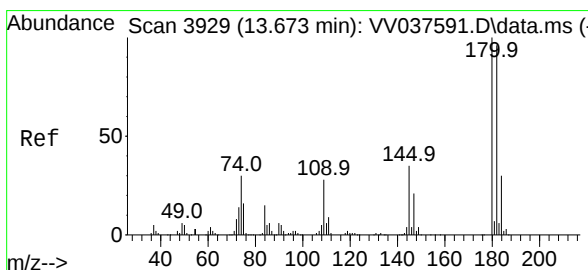
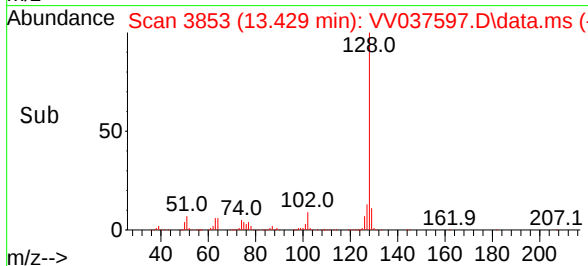
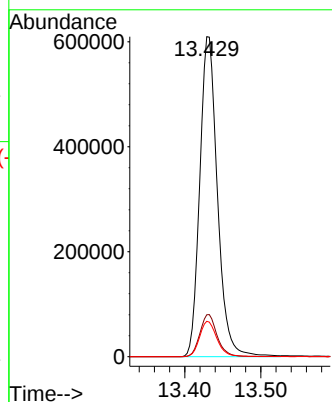
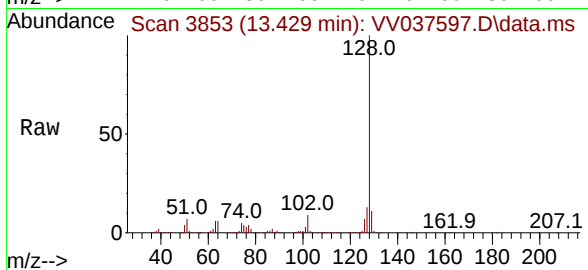
Tgt Ion:128 Resp: 986327

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 10.9 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 49.798 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. 0.000 min

Lab File: VV037597.D

Acq: 27 Sep 2024 11:37

Tgt Ion:180 Resp: 340569

Ion Ratio Lower Upper

180 100

182 95.2 75.8 113.8

145 34.2 26.2 39.4

