

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090424\
 Data File : VV037198.D
 Acq On : 04 Sep 2024 15:10
 Operator : SY/MD
 Sample : VSTD025
 Misc : 5.00g/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 05 01:34:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM090424SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 05 01:30:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	501177	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	488157	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	243677	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	201438	22.439	ug/L	0.00
7) Chloroethane-d5	1.532	69	169194	24.279	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	93660	23.194	ug/L	0.00
21) 2-Butanone-d5	3.828	46	74339	41.331	ug/L	0.00
24) Chloroform-d	4.239	84	413739	26.829	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.934	65	217803	27.844	ug/L	0.00
32) Benzene-d6	4.950	84	809735	26.251	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	259119	27.116	ug/L	0.00
41) Toluene-d8	7.236	98	742963	26.634	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.548	79	100707	27.378	ug/L	0.00
47) 2-Hexanone-d5	8.027	63	72308	60.494	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.146	84	207450	28.242	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.554	152	257009	27.020	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	180734	26.197	ug/L	100
3) Chloromethane	1.217	50	220294	26.718	ug/L	100
5) Vinyl chloride	1.281	62	215048	26.518	ug/L	100
6) Bromomethane	1.487	94	127234	27.122	ug/L	100
8) Chloroethane	1.548	64	136346	27.334	ug/L	100
9) Trichlorofluoromethane	1.712	101	288076	26.026	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	181101	26.190	ug/L	100
12) 1,1-Dichloroethene	2.066	96	166135	26.374	ug/L	100
13) Acetone	2.146	43	103662	43.459	ug/L	98
14) Carbon disulfide	2.236	76	555419	26.862	ug/L	100
15) Methyl Acetate	2.381	43	99806	29.082	ug/L	100
16) Methylene chloride	2.442	84	212164	23.098	ug/L	100
17) trans-1,2-Dichloroethene	2.687	96	185911	27.053	ug/L	100
18) Methyl tert-butyl Ether	2.703	73	472366	29.364	ug/L	100
19) 1,1-Dichloroethane	3.101	63	360018	27.362	ug/L	100
20) cis-1,2-Dichloroethene	3.802	96	205532	28.332	ug/L	100
22) 2-Butanone	3.905	43	113677	57.336	ug/L	98
23) Bromochloromethane	4.137	128	94299	29.167	ug/L	100
25) Chloroform	4.265	83	362590	28.387	ug/L	100
27) 1,2-Dichloroethane	5.034	62	234214	28.928	ug/L	100
29) Cyclohexane	4.567	56	281184	25.529	ug/L	100
30) 1,1,1-Trichloroethane	4.500	97	286873	26.461	ug/L	100
31) Carbon tetrachloride	4.722	117	242548	26.463	ug/L	100
33) Benzene	4.998	78	770146	28.119	ug/L	100
34) Trichloroethene	5.825	95	203771	27.335	ug/L	100
35) Methylcyclohexane	6.040	83	308620	25.408	ug/L	100
37) 1,2-Dichloropropane	6.085	63	198785	27.991	ug/L	100
38) Bromodichloromethane	6.426	83	252332	28.144	ug/L	100
39) cis-1,3-Dichloropropene	6.947	75	308869	29.379	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	239329	60.423	ug/L	100
42) Toluene	7.307	91	809594	28.089	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	254251	29.762	ug/L	100

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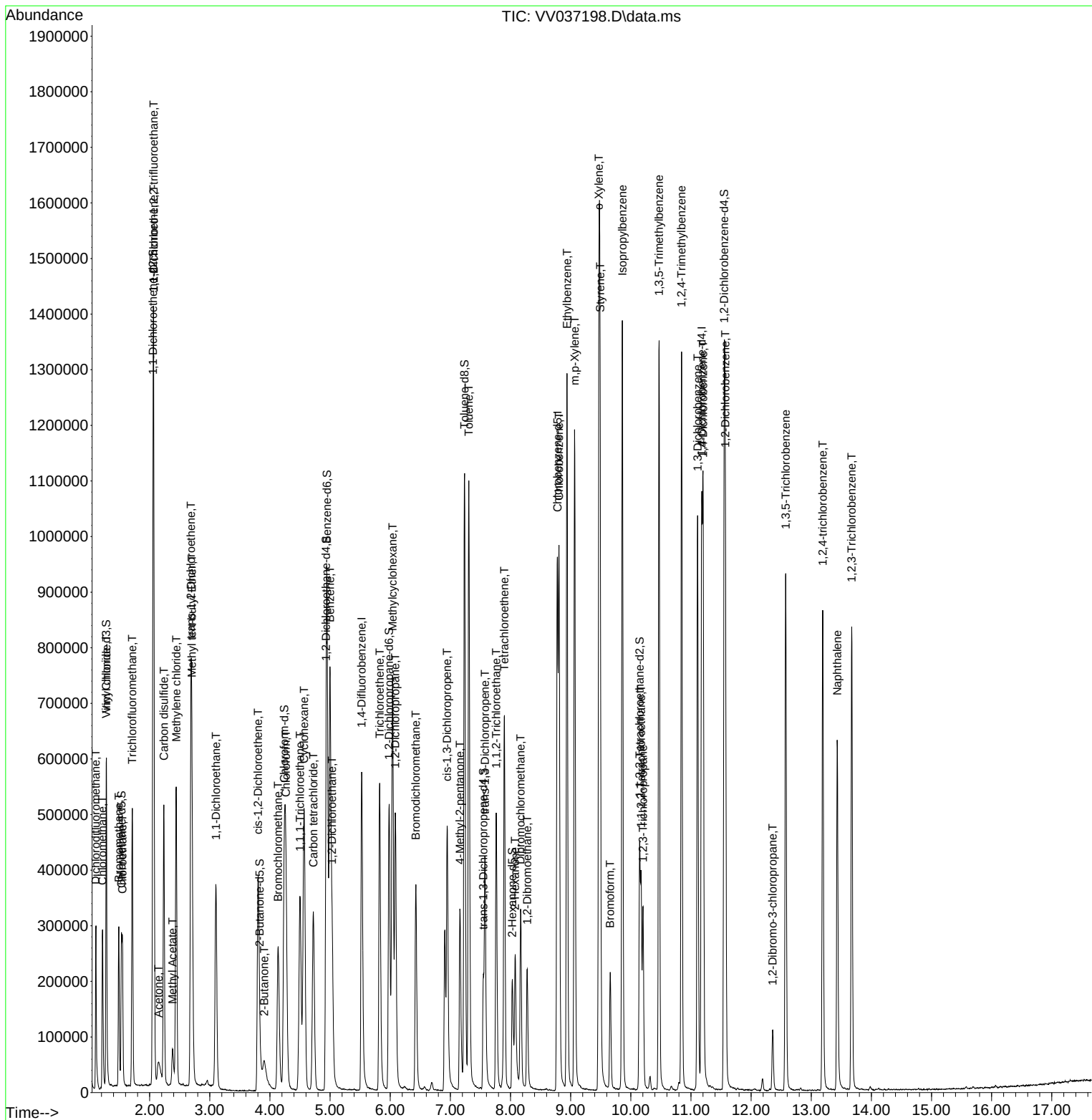
Quant Time: Sep 05 01:34:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM090424SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 05 01:30:05 2024
 Response via : Initial Calibration

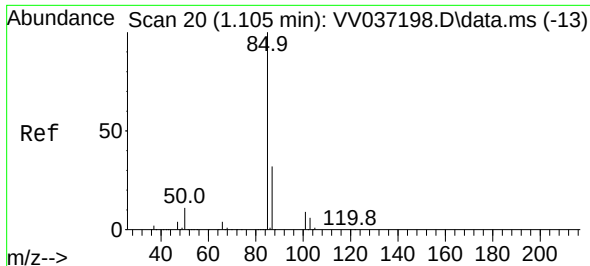
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.763	97	153084	28.602	ug/L	100
46) Tetrachloroethene	7.899	164	142102	25.933	ug/L	100
48) 2-Hexanone	8.079	43	162839	54.927	ug/L	100
49) Dibromochloromethane	8.169	129	161143	28.935	ug/L	100
50) 1,2-Dibromoethane	8.278	107	148344	29.009	ug/L	100
51) Chlorobenzene	8.805	112	522405	27.697	ug/L	100
52) Ethylbenzene	8.940	91	888444	27.526	ug/L	100
53) m,p-Xylene	9.066	106	331721	27.701	ug/L	100
54) o-Xylene	9.471	106	325237	28.194	ug/L	100
55) Styrene	9.490	104	564590	29.129	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.172	83	182379	28.595	ug/L	100
59) Bromoform	9.657	173	87699	28.345	ug/L	100
60) Isopropylbenzene	9.860	105	867057	27.400	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	131141	29.206	ug/L	100
62) 1,3,5-Trimethylbenzene	10.471	105	698781	27.805	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	701901	28.161	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	396493	27.481	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	406820	27.656	ug/L	100
67) 1,2-Dichlorobenzene	11.574	146	369770	27.631	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.358	75	29138	28.754	ug/L	100
69) 1,3,5-Trichlorobenzene	12.577	180	272210	26.591	ug/L	100
70) 1,2,4-trichlorobenzene	13.191	180	243294	26.921	ug/L	100
71) Naphthalene	13.432	128	505455	28.669	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	224041	26.996	ug/L	100

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

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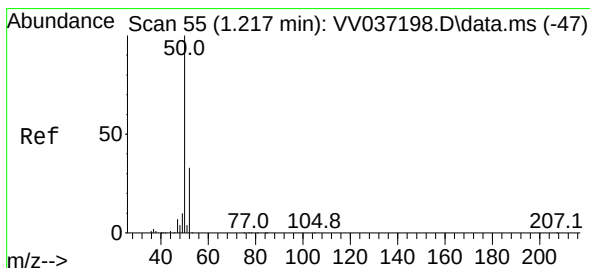
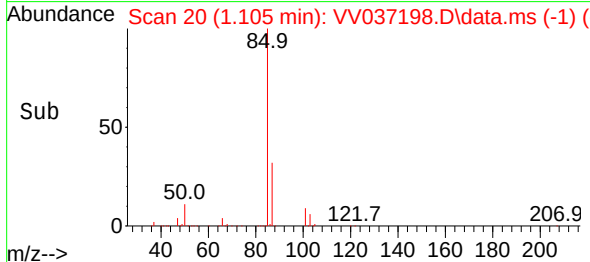
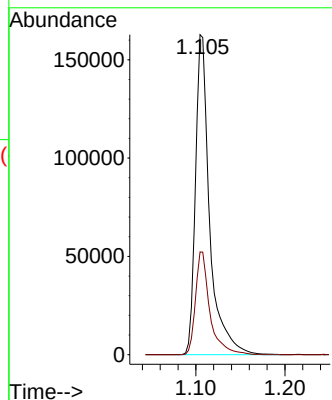
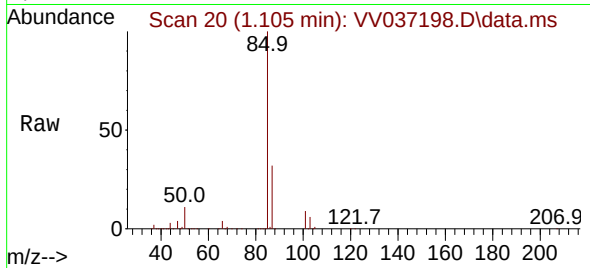




#2
 Dichlorodifluoromethane
 Concen: 26.197 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV037198.D
 Acq: 04 Sep 2024 15:10

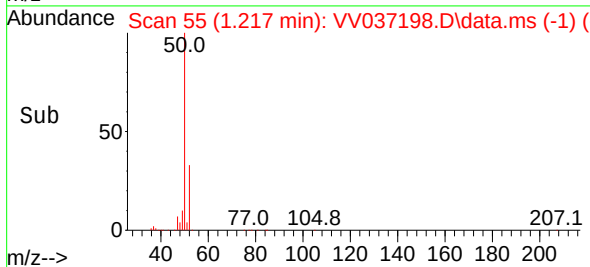
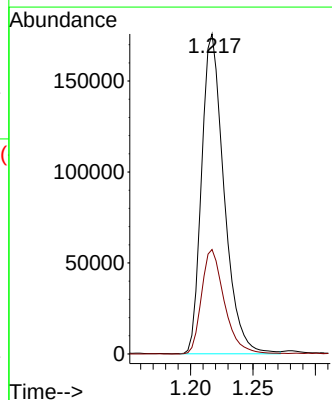
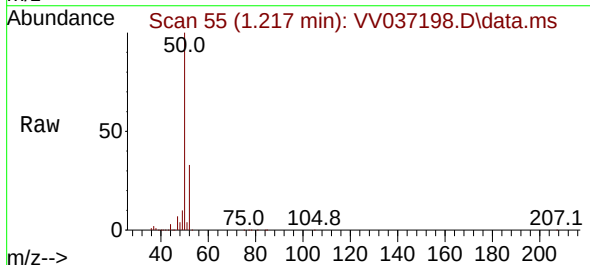
Instrument :
 MSVOA_V
 ClientSampleId :

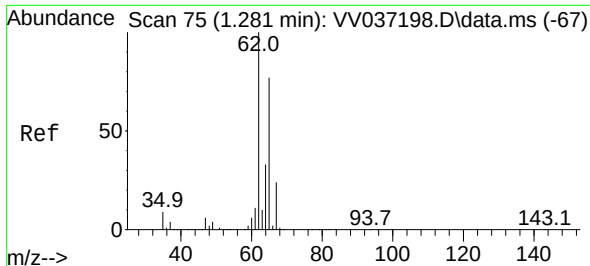
Tgt Ion: 85 Resp: 180734
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.1 39.1



#3
 Chloromethane
 Concen: 26.718 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV037198.D
 Acq: 04 Sep 2024 15:10

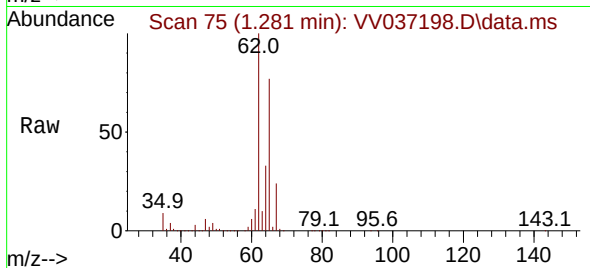
Tgt Ion: 50 Resp: 220294
 Ion Ratio Lower Upper
 50 100
 52 32.7 22.9 42.5



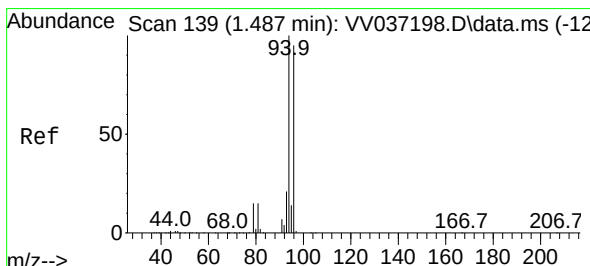
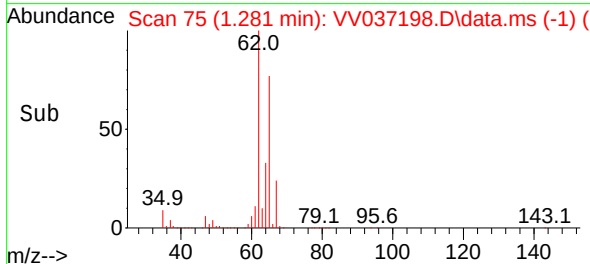
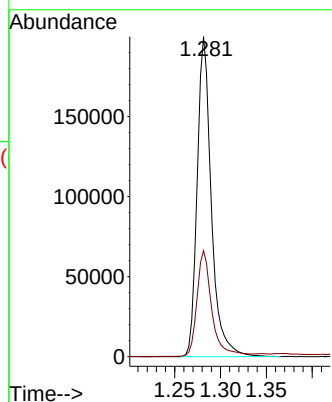


#5
 Vinyl chloride
 Concen: 26.518 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV037198.D
 Acq: 04 Sep 2024 15:10

Instrument :
 MSVOA_V
 ClientSampleId :

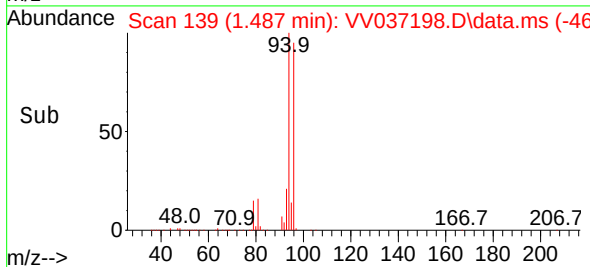
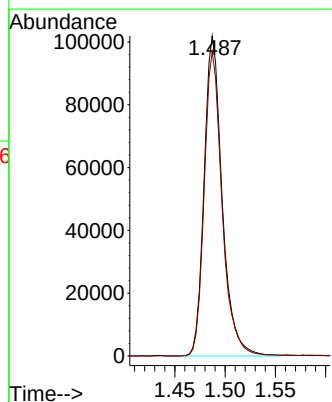
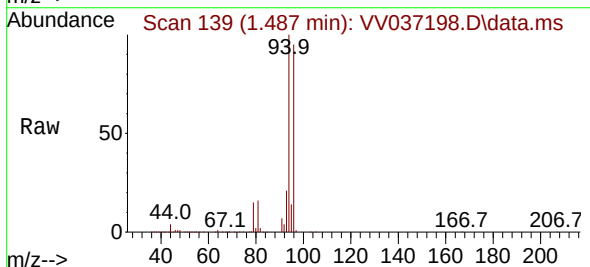


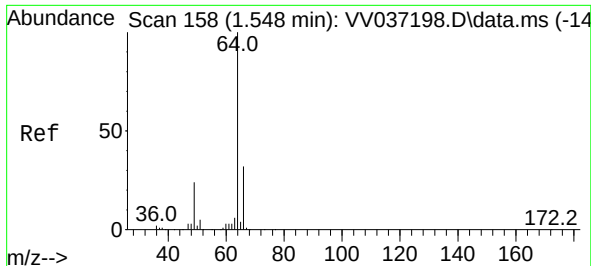
Tgt Ion: 62 Resp: 215048
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.2 43.2



#6
 Bromomethane
 Concen: 27.122 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV037198.D
 Acq: 04 Sep 2024 15:10

Tgt Ion: 94 Resp: 127234
 Ion Ratio Lower Upper
 94 100
 96 95.1 66.6 123.6

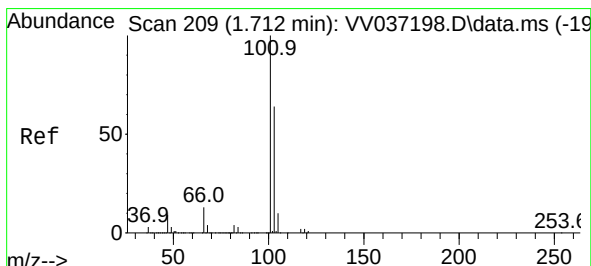
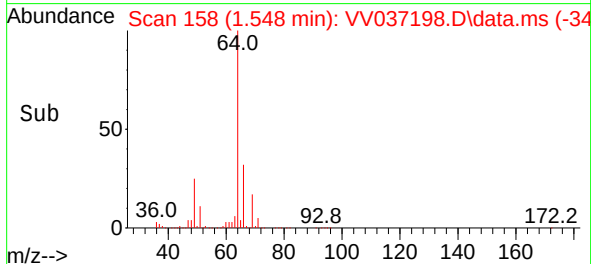
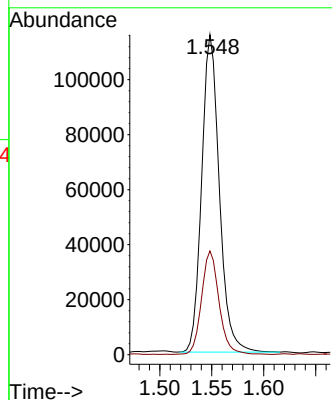
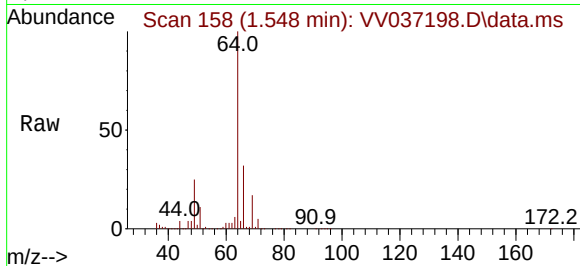




#8
Chloroethane
Concen: 27.334 ug/L
RT: 1.548 min Scan# 158
Delta R.T. 0.000 min
Lab File: VV037198.D
Acq: 04 Sep 2024 15:10

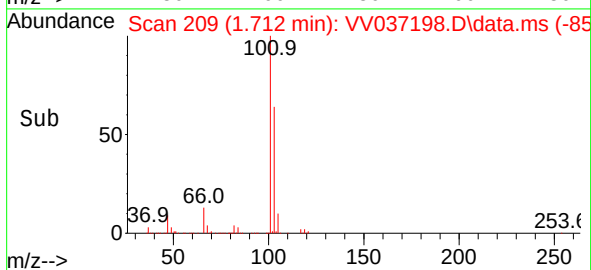
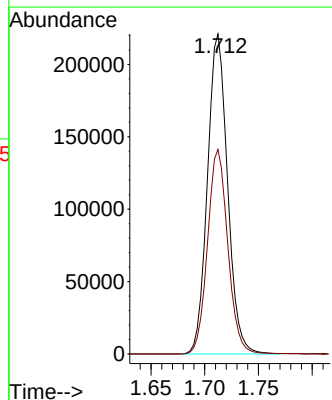
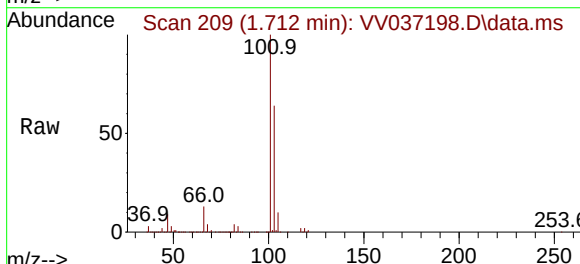
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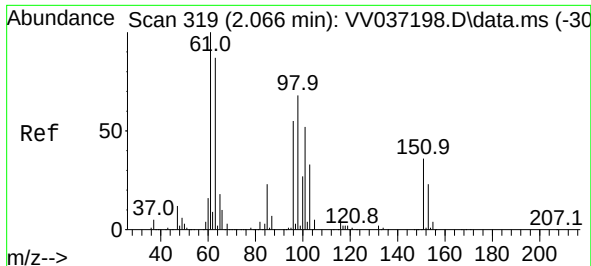
Tgt Ion: 64 Resp: 136346
Ion Ratio Lower Upper
64 100
66 32.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 26.026 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV037198.D
Acq: 04 Sep 2024 15:10

Tgt Ion:101 Resp: 288076
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2

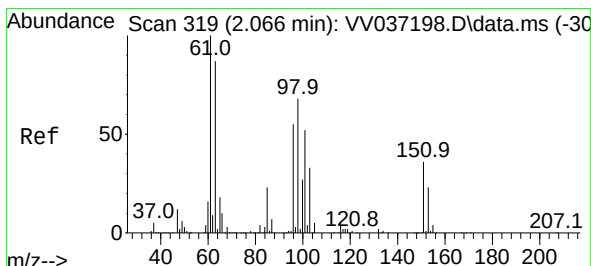
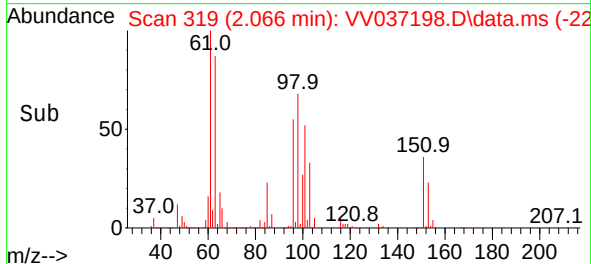
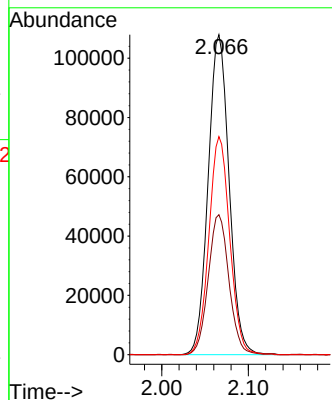
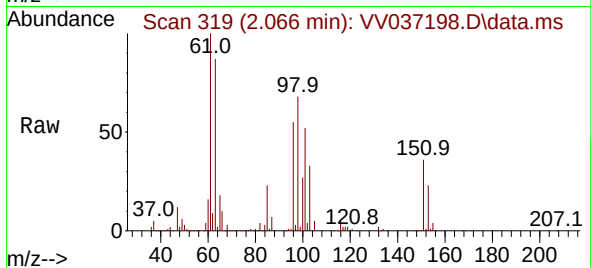




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 26.190 ug/L
RT: 2.066 min Scan# 319
Delta R.T. 0.000 min
Lab File: VV037198.D
Acq: 04 Sep 2024 15:10

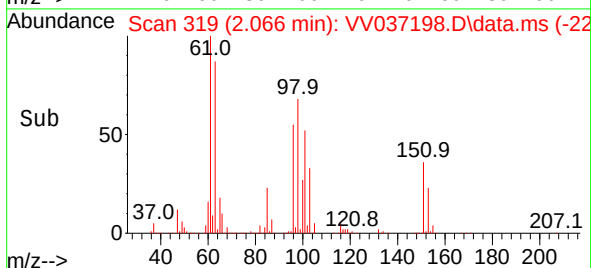
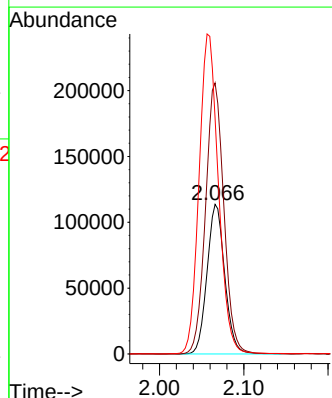
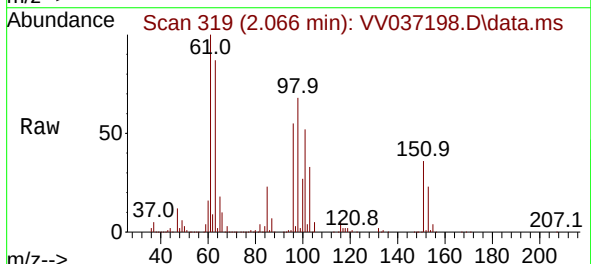
Instrument :
MSVOA_V
ClientSampleId :

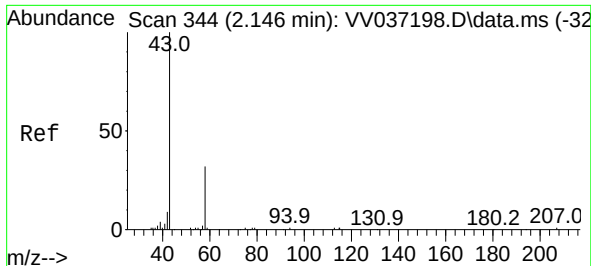
Tgt Ion:101 Resp: 181101
Ion Ratio Lower Upper
101 100
85 43.4 34.7 52.1
151 67.9 54.3 81.5



#12
1,1-Dichloroethene
Concen: 26.374 ug/L
RT: 2.066 min Scan# 319
Delta R.T. 0.000 min
Lab File: VV037198.D
Acq: 04 Sep 2024 15:10

Tgt Ion: 96 Resp: 166135
Ion Ratio Lower Upper
96 100
61 181.2 126.8 235.6
63 157.7 110.4 205.0





#13

Acetone

Concen: 43.459 ug/L

RT: 2.146 min Scan# 344

Delta R.T. 0.000 min

Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

Instrument :

MSVOA_V

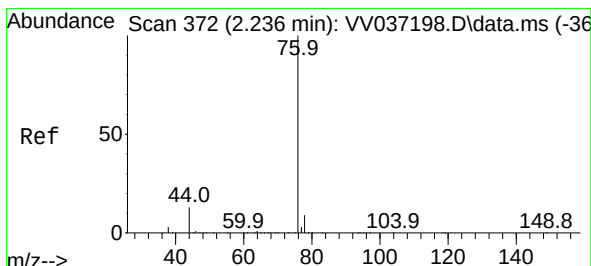
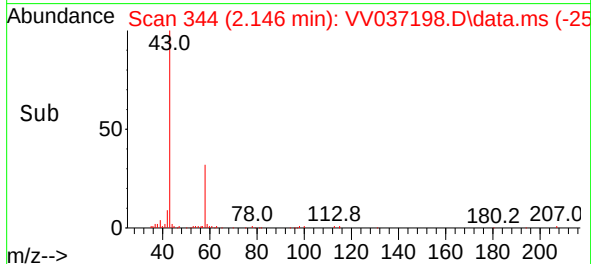
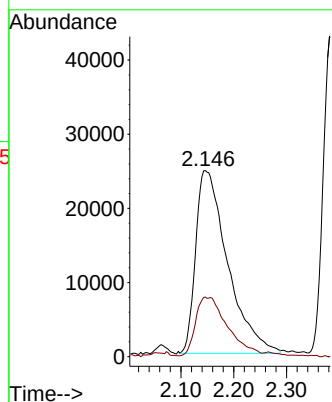
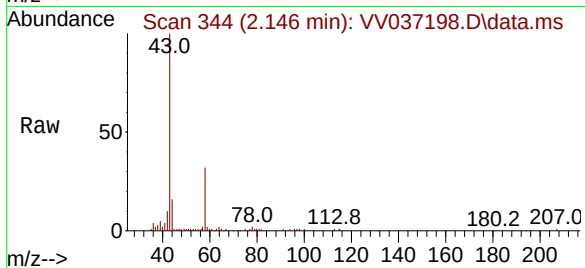
ClientSampleId :

Tgt Ion: 43 Resp: 103662

Ion Ratio Lower Upper

43 100

58 11.9 0.0 22.2



#14

Carbon disulfide

Concen: 26.862 ug/L

RT: 2.236 min Scan# 372

Delta R.T. 0.000 min

Lab File: VV037198.D

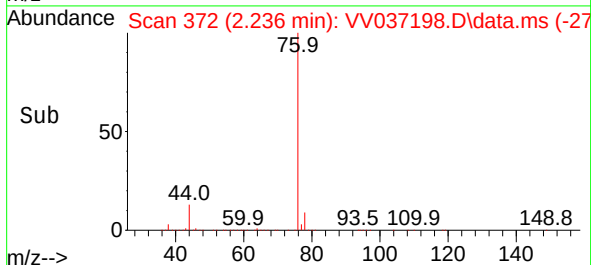
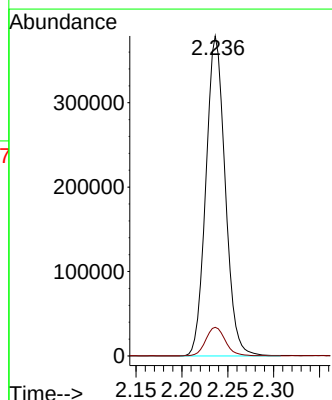
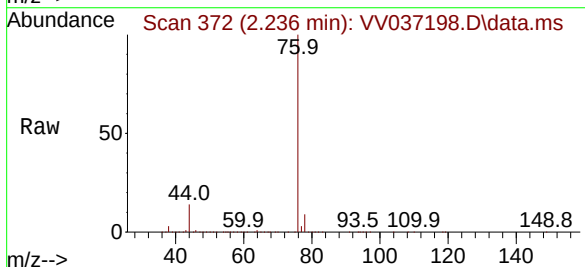
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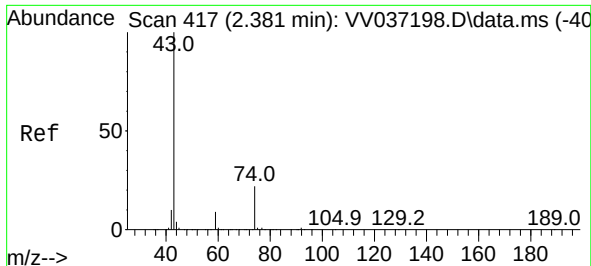
Tgt Ion: 76 Resp: 555419

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

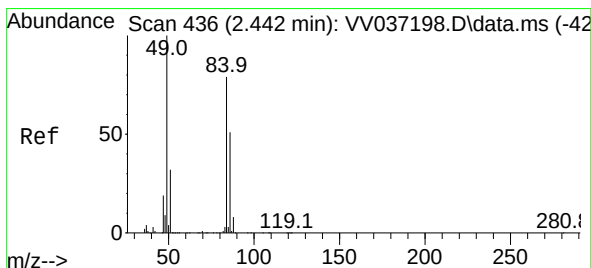
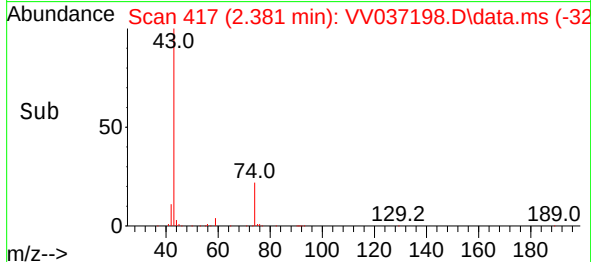
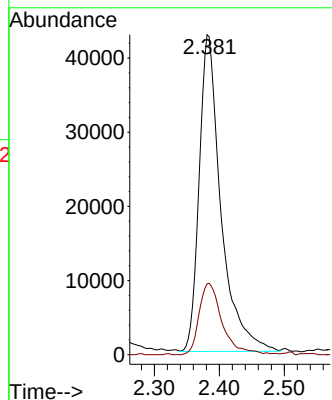
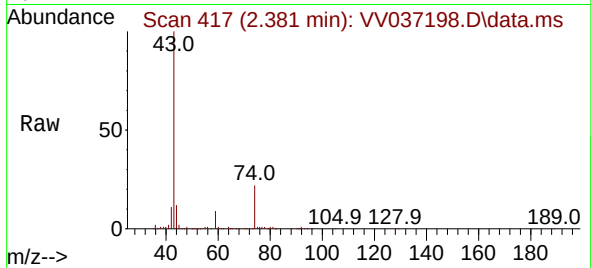




#15
Methyl Acetate
Concen: 29.082 ug/L
RT: 2.381 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV037198.D
Acq: 04 Sep 2024 15:10

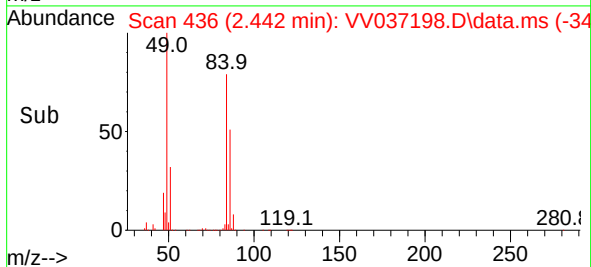
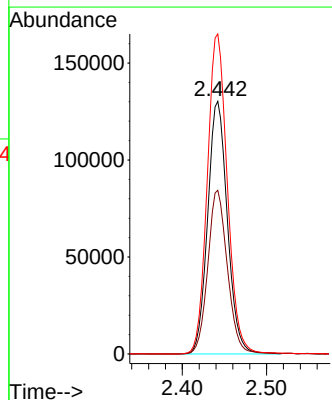
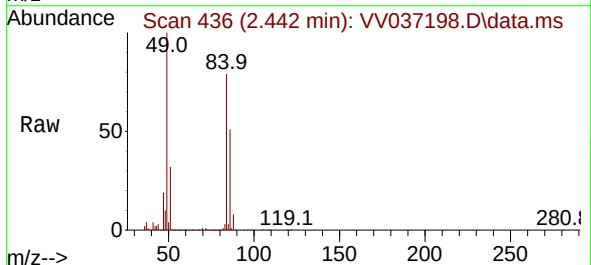
Instrument :
MSVOA_V
ClientSampleId :

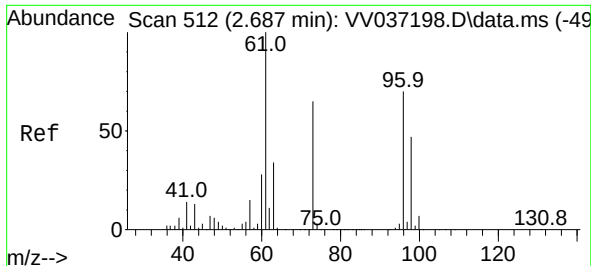
Tgt Ion: 43 Resp: 99806
Ion Ratio Lower Upper
43 100
74 23.7 19.0 28.4



#16
Methylene chloride
Concen: 23.098 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.000 min
Lab File: VV037198.D
Acq: 04 Sep 2024 15:10

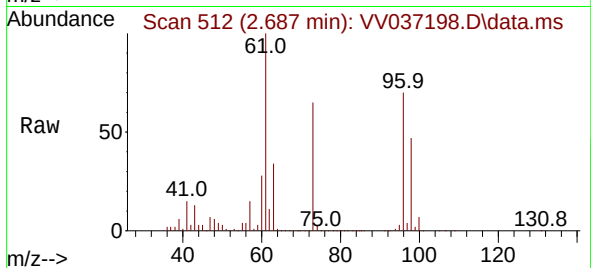
Tgt Ion: 84 Resp: 212164
Ion Ratio Lower Upper
84 100
86 64.8 45.4 84.2
49 126.7 88.7 164.7



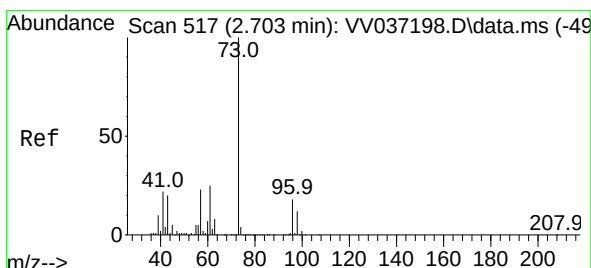
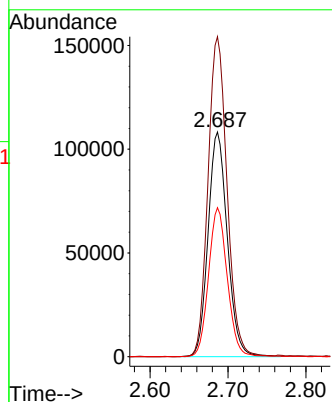
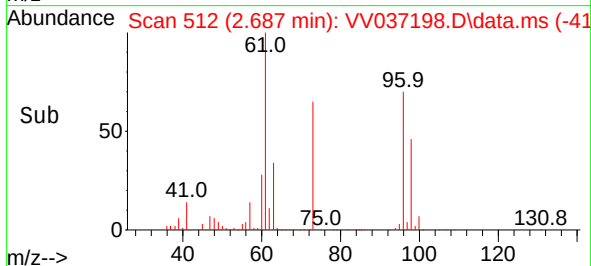


#17
trans-1,2-Dichloroethene
Concen: 27.053 ug/L
RT: 2.687 min Scan# 512
Delta R.T. 0.000 min
Lab File: VV037198.D
Acq: 04 Sep 2024 15:10

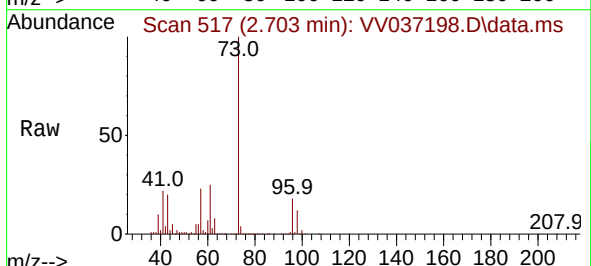
Instrument :
MSVOA_V
ClientSampleId :



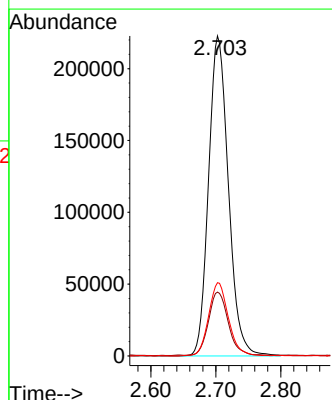
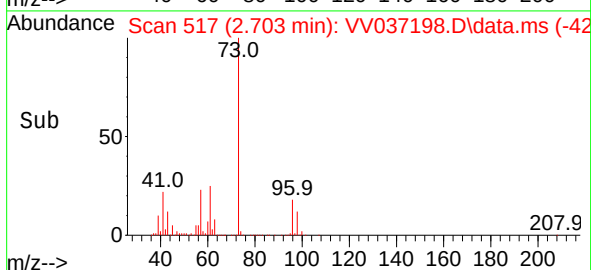
Tgt Ion: 96 Resp: 185911
Ion Ratio Lower Upper
96 100
61 142.4 99.7 185.1
98 66.3 46.4 86.2

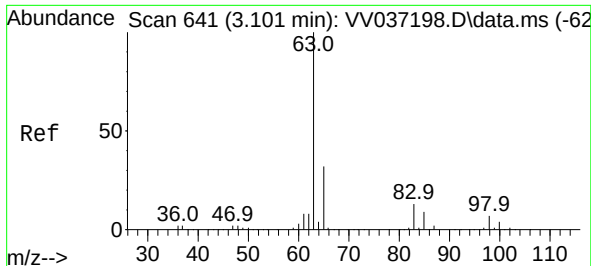


#18
Methyl tert-butyl Ether
Concen: 29.364 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV037198.D
Acq: 04 Sep 2024 15:10



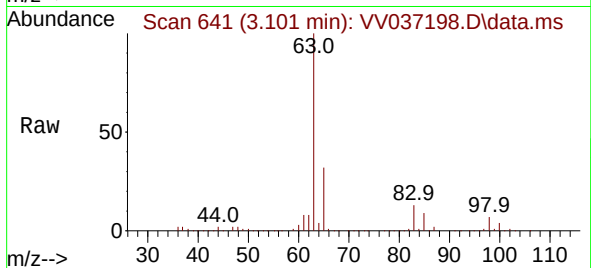
Tgt Ion: 73 Resp: 472366
Ion Ratio Lower Upper
73 100
43 19.6 15.7 23.5
57 22.9 18.3 27.5





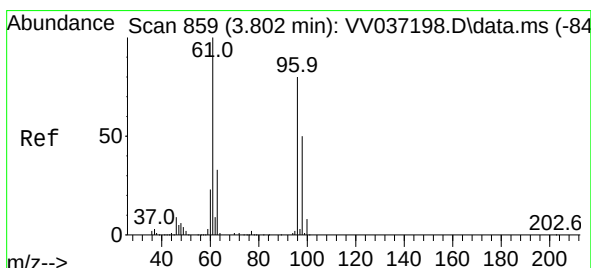
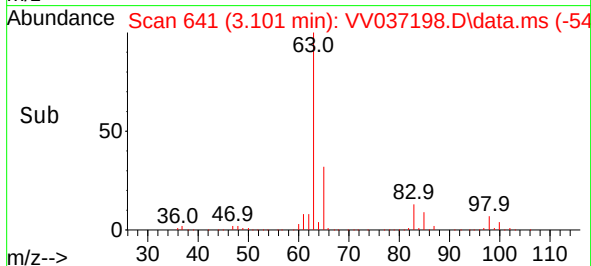
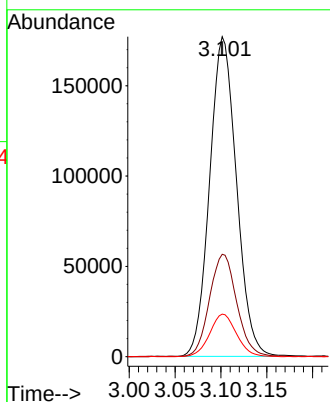
#19
1,1-Dichloroethane
Concen: 27.362 ug/L
RT: 3.101 min Scan# 641
Delta R.T. 0.000 min
Lab File: VV037198.D
Acq: 04 Sep 2024 15:10

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 63 Resp: 360018

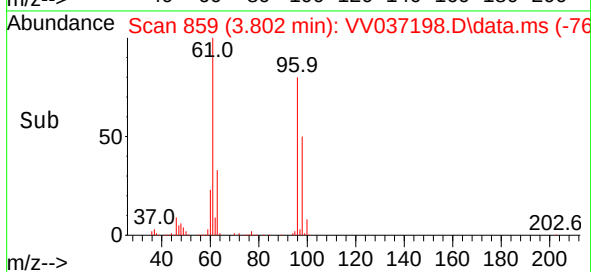
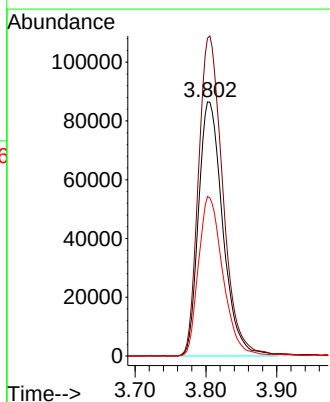
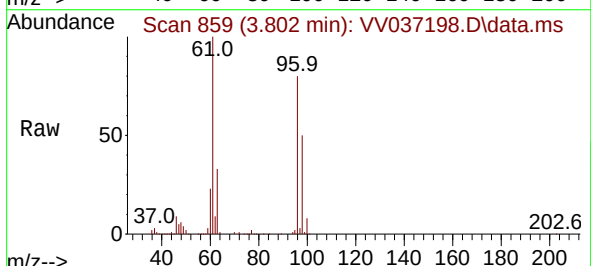
Ion	Ratio	Lower	Upper
63	100		
65	32.0	22.4	41.6
83	13.3	9.3	17.3

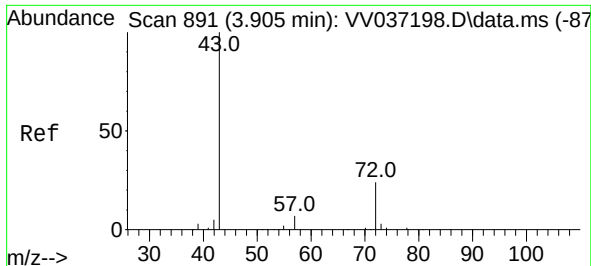


#20
cis-1,2-Dichloroethene
Concen: 28.332 ug/L
RT: 3.802 min Scan# 859
Delta R.T. 0.000 min
Lab File: VV037198.D
Acq: 04 Sep 2024 15:10

Tgt Ion: 96 Resp: 205532

Ion	Ratio	Lower	Upper
96	100		
61	125.1	87.6	162.6
98	62.8	44.0	81.6





#22

2-Butanone

Concen: 57.336 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.000 min

Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

Instrument :

MSVOA_V

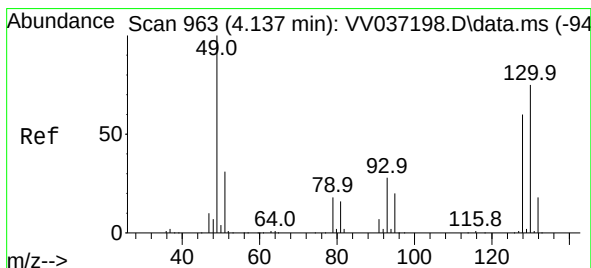
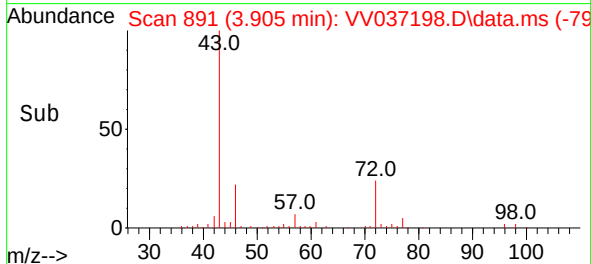
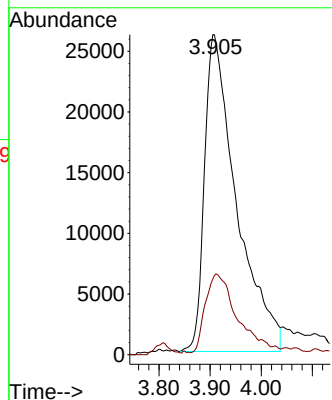
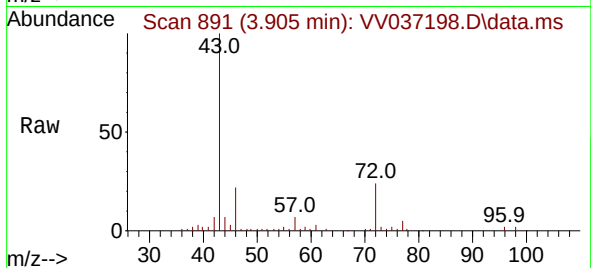
ClientSampleId :

Tgt Ion: 43 Resp: 113677

Ion Ratio Lower Upper

43 100

72 21.5 10.2 30.6



#23

Bromochloromethane

Concen: 29.167 ug/L

RT: 4.137 min Scan# 963

Delta R.T. 0.000 min

Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

Tgt Ion:128 Resp: 94299

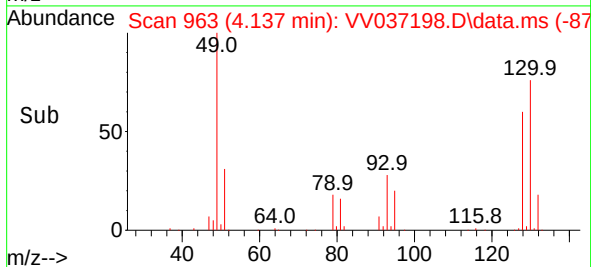
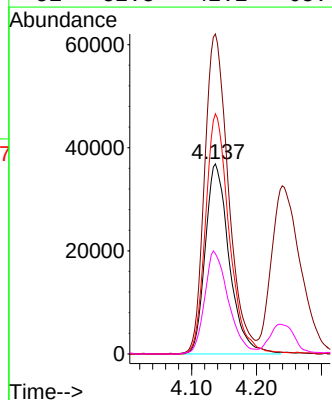
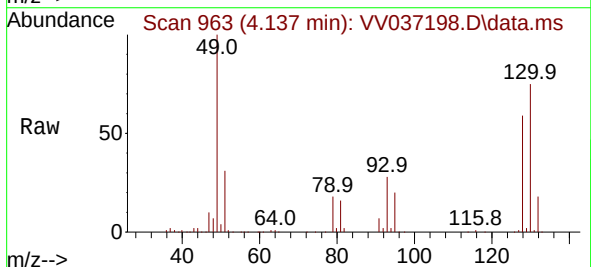
Ion Ratio Lower Upper

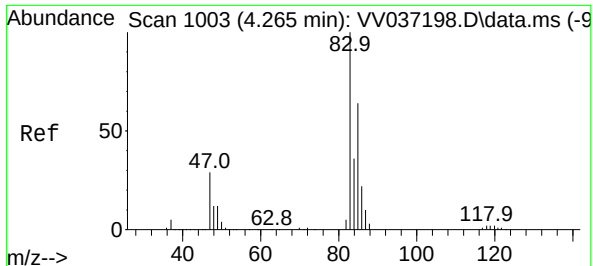
128 100

49 168.3 117.8 218.8

130 126.3 88.4 164.2

51 52.8 42.2 63.4





#25

Chloroform

Concen: 28.387 ug/L

RT: 4.265 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

Instrument :

MSVOA_V

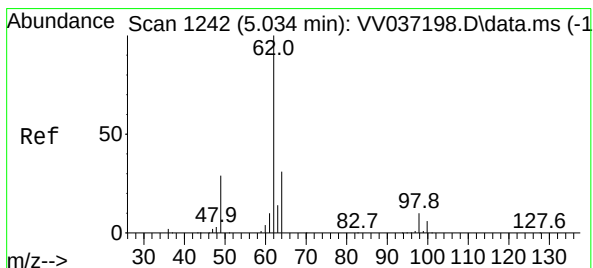
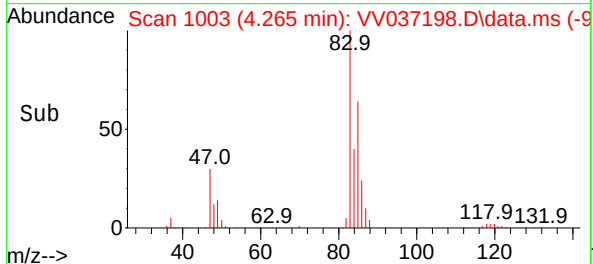
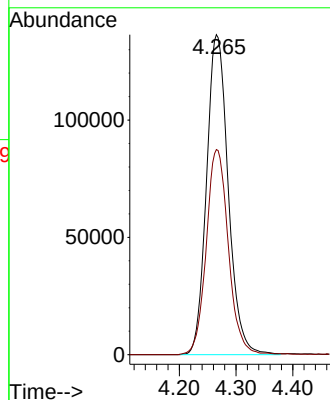
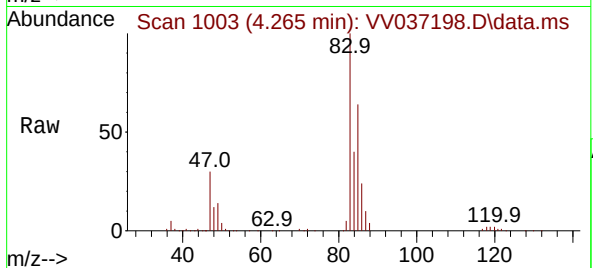
ClientSampleId :

Tgt Ion: 83 Resp: 362590

Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.3



#27

1,2-Dichloroethane

Concen: 28.928 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VV037198.D

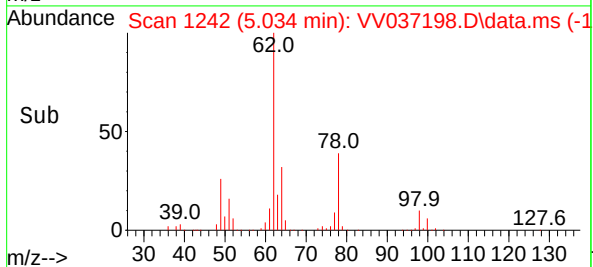
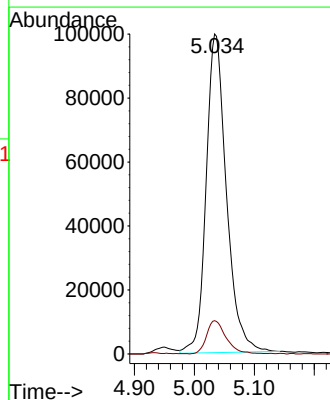
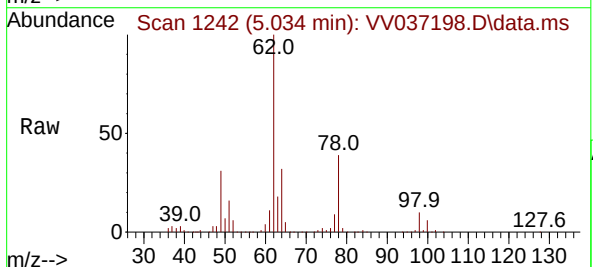
Acq: 04 Sep 2024 15:10

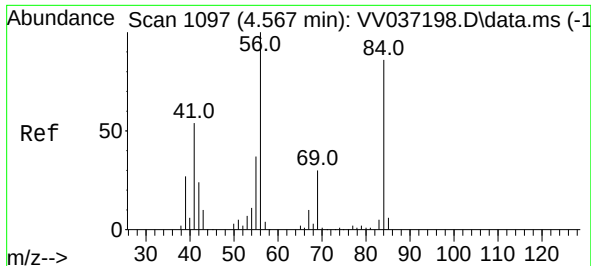
Tgt Ion: 62 Resp: 234214

Ion Ratio Lower Upper

62 100

98 10.4 8.3 12.5





#29

Cyclohexane

Concen: 25.529 ug/L

RT: 4.567 min Scan# 1097

Delta R.T. 0.000 min

Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

Instrument :

MSVOA_V

ClientSampleId :

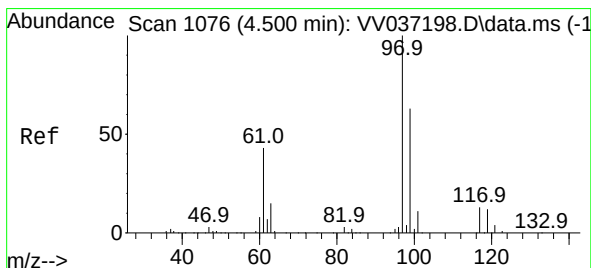
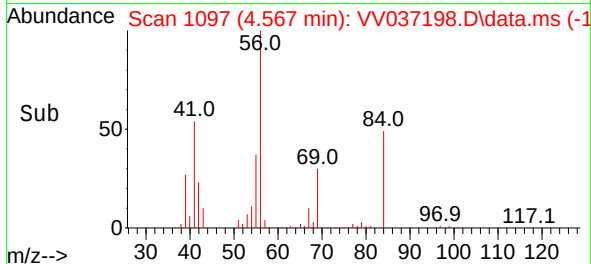
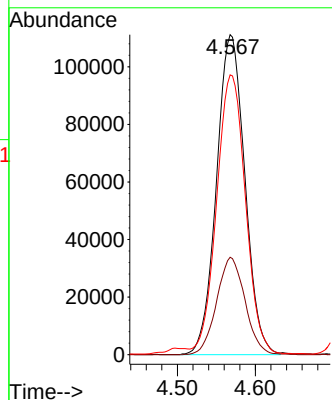
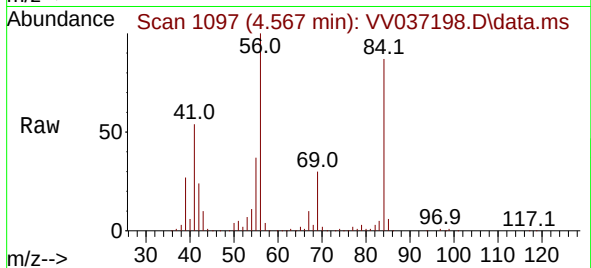
Tgt Ion: 56 Resp: 281184

Ion Ratio Lower Upper

56 100

69 30.4 24.3 36.5

84 88.9 71.1 106.7



#30

1,1,1-Trichloroethane

Concen: 26.461 ug/L

RT: 4.500 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

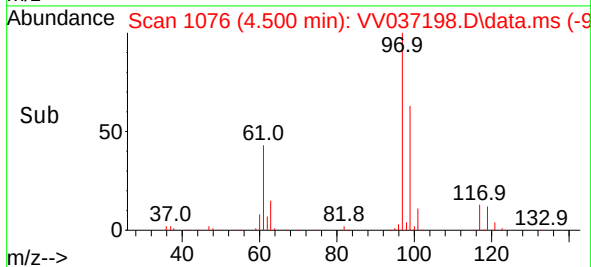
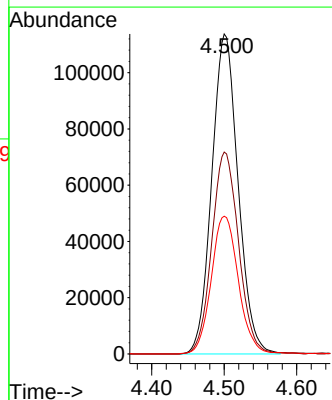
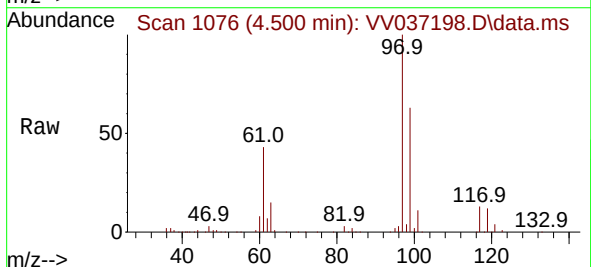
Tgt Ion: 97 Resp: 286873

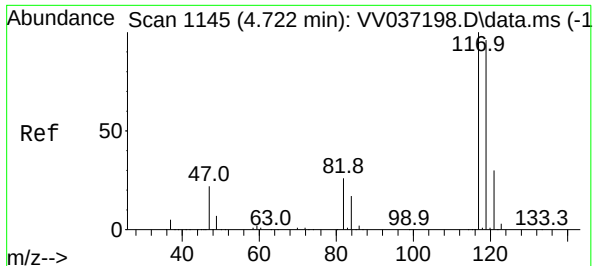
Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

61 44.3 35.4 53.2

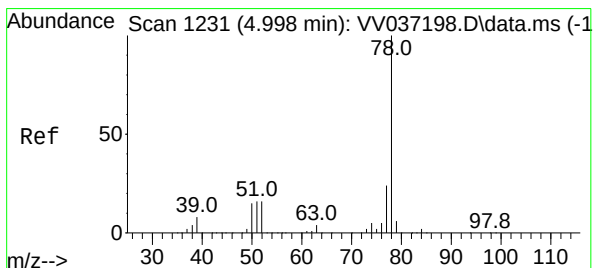
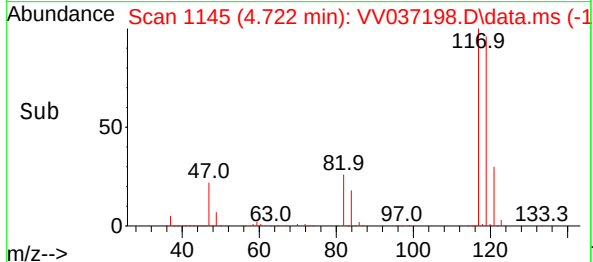
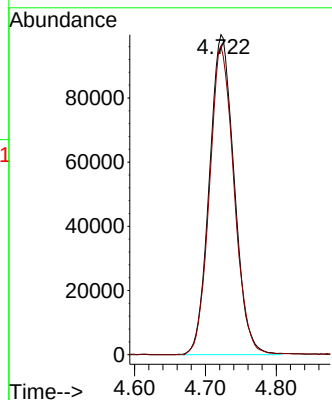
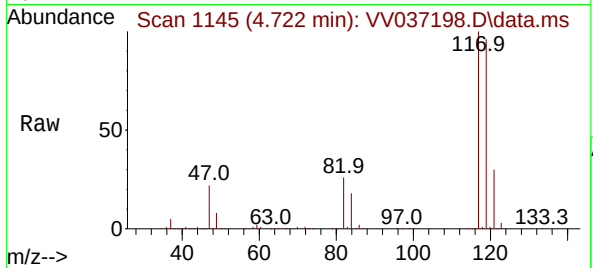




#31
Carbon tetrachloride
Concen: 26.463 ug/L
RT: 4.722 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VV037198.D
Acq: 04 Sep 2024 15:10

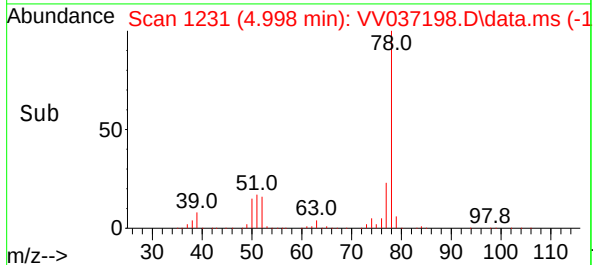
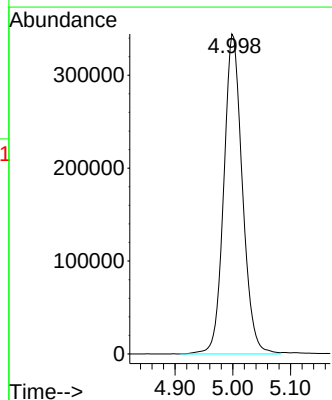
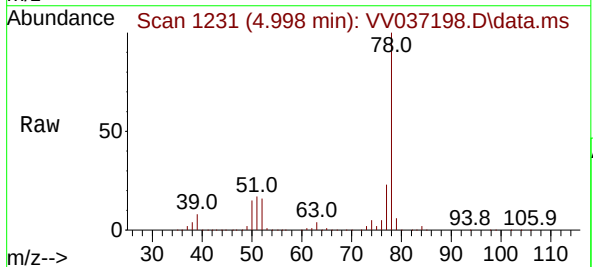
Instrument :
MSVOA_V
ClientSampleId :

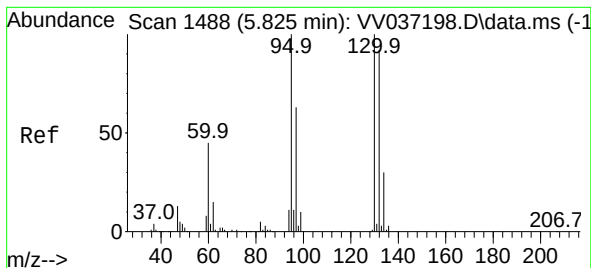
Tgt Ion:117 Resp: 242548
Ion Ratio Lower Upper
117 100
119 95.3 76.2 114.4



#33
Benzene
Concen: 28.119 ug/L
RT: 4.998 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VV037198.D
Acq: 04 Sep 2024 15:10

Tgt Ion: 78 Resp: 770146





#34

Trichloroethene

Concen: 27.335 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. 0.000 min

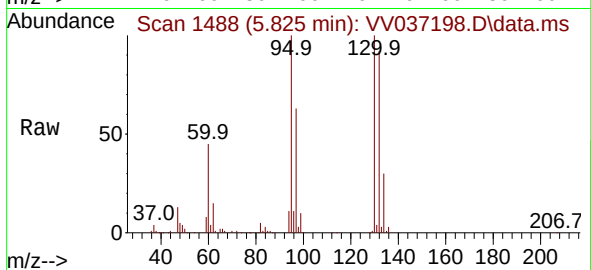
Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 203771

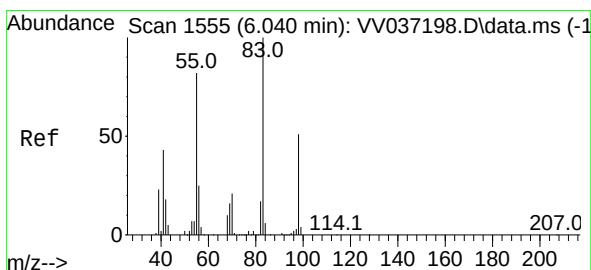
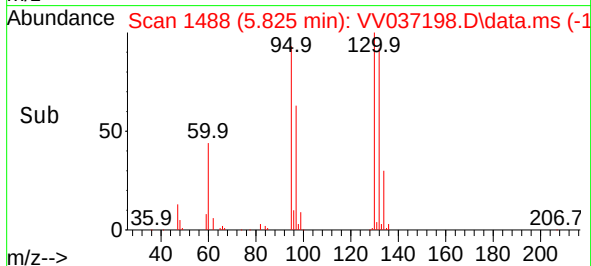
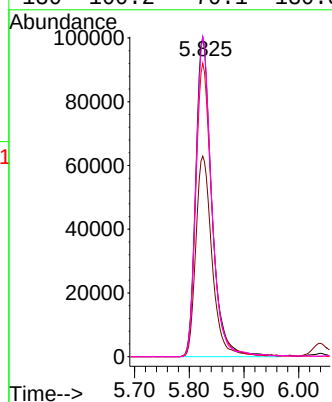
Ion Ratio Lower Upper

95 100

97 62.8 44.0 81.6

132 91.9 64.3 119.5

130 100.2 70.1 130.3



#35

Methylcyclohexane

Concen: 25.408 ug/L

RT: 6.040 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

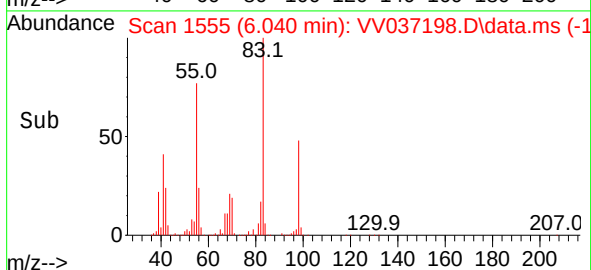
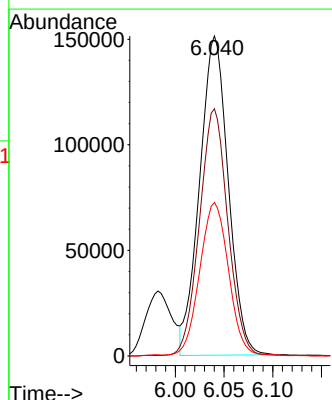
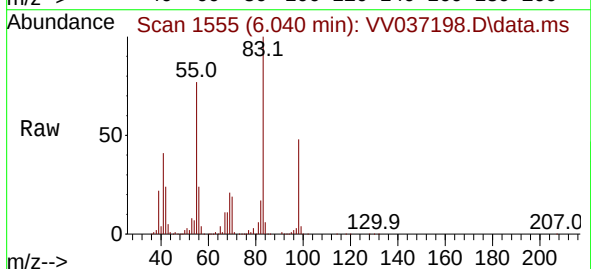
Tgt Ion: 83 Resp: 308620

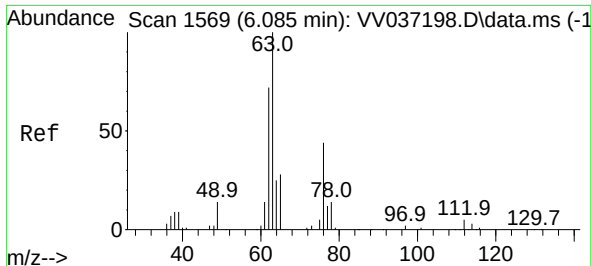
Ion Ratio Lower Upper

83 100

55 77.0 61.6 92.4

98 48.1 38.5 57.7

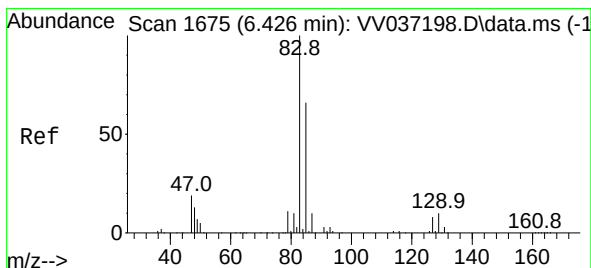
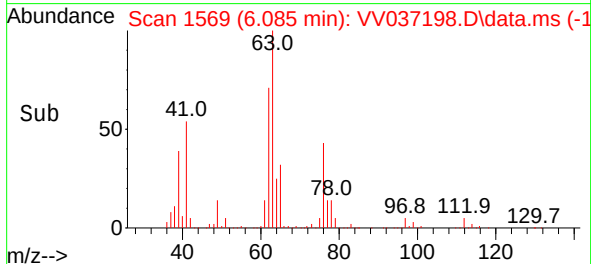
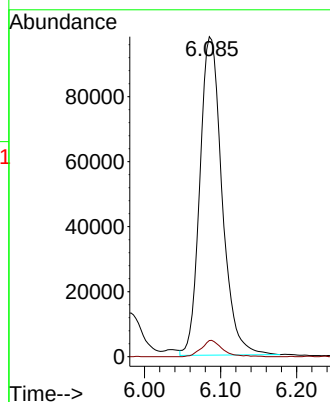
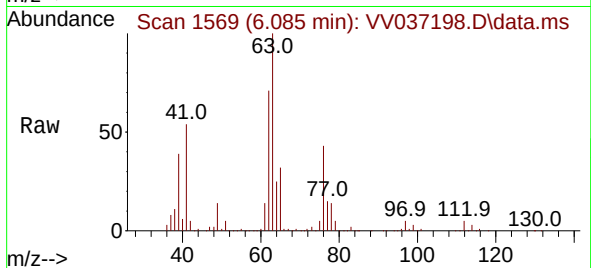




#37
1,2-Dichloropropane
Concen: 27.991 ug/L
RT: 6.085 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VV037198.D
Acq: 04 Sep 2024 15:10

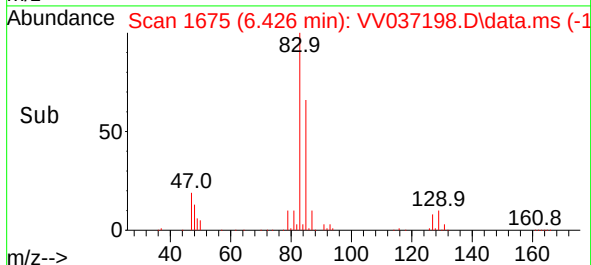
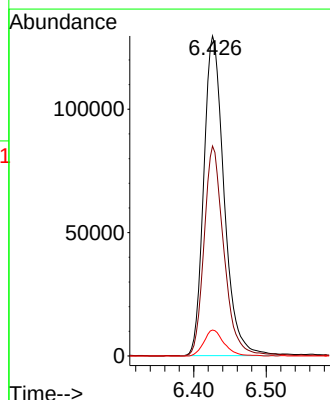
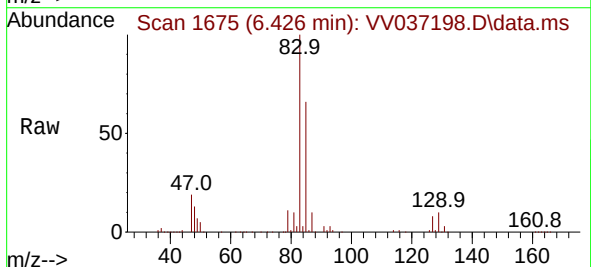
Instrument :
MSVOA_V
ClientSampleId :

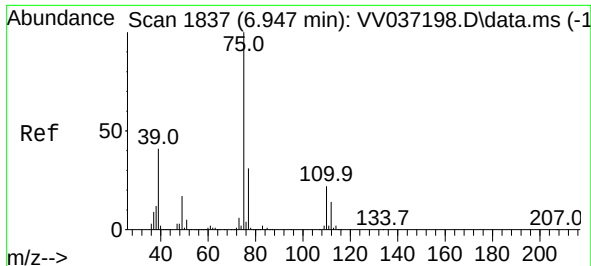
Tgt Ion: 63 Resp: 198785
Ion Ratio Lower Upper
63 100
112 4.7 3.8 5.6



#38
Bromodichloromethane
Concen: 28.144 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VV037198.D
Acq: 04 Sep 2024 15:10

Tgt Ion: 83 Resp: 252332
Ion Ratio Lower Upper
83 100
85 65.6 45.9 85.3
127 8.1 6.5 9.7

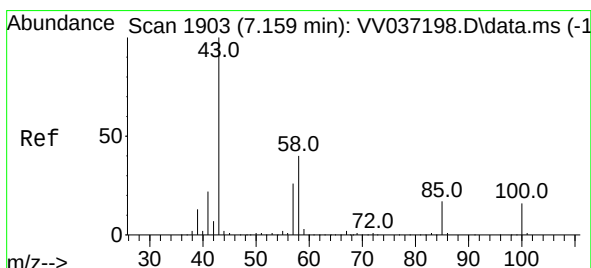
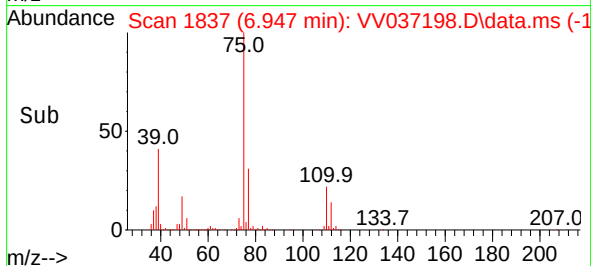
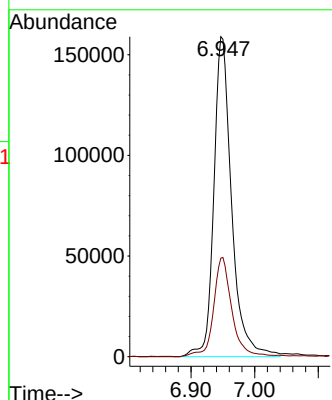
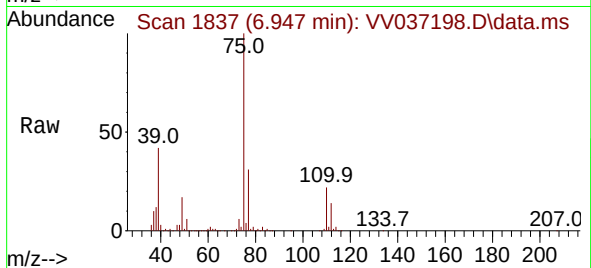




#39
cis-1,3-Dichloropropene
Concen: 29.379 ug/L
RT: 6.947 min Scan# 1837
Delta R.T. 0.000 min
Lab File: VV037198.D
Acq: 04 Sep 2024 15:10

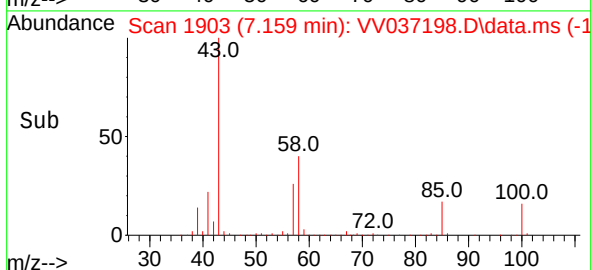
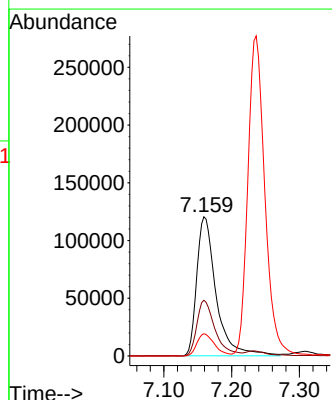
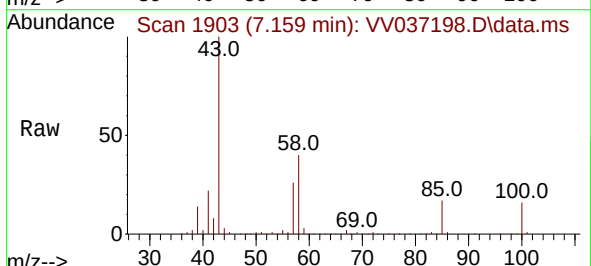
Instrument :
MSVOA_V
ClientSampleId :

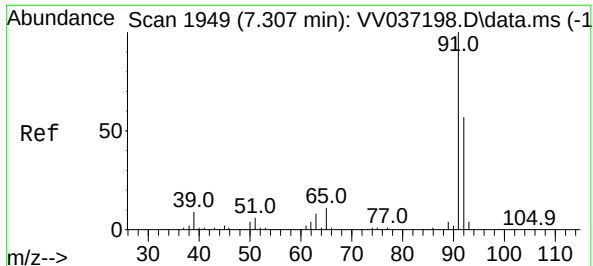
Tgt Ion: 75 Resp: 308869
Ion Ratio Lower Upper
75 100
77 30.8 21.6 40.0



#40
4-Methyl-2-pentanone
Concen: 60.423 ug/L
RT: 7.159 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VV037198.D
Acq: 04 Sep 2024 15:10

Tgt Ion: 43 Resp: 239329
Ion Ratio Lower Upper
43 100
58 37.9 30.3 45.5
100 14.5 11.6 17.4





#42

Toluene

Concen: 28.089 ug/L

RT: 7.307 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

Instrument :

MSVOA_V

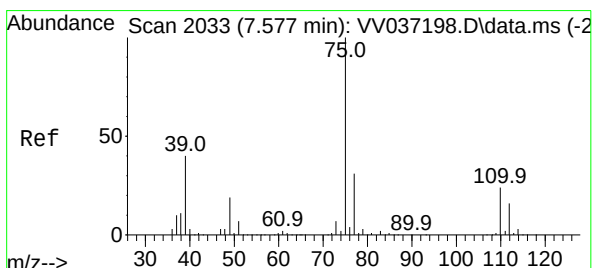
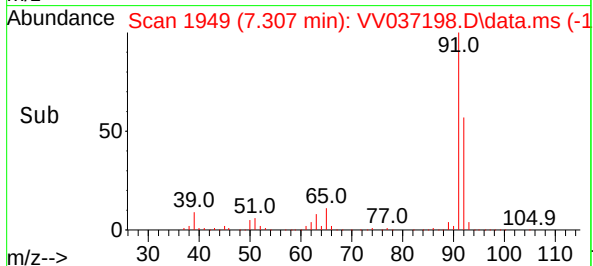
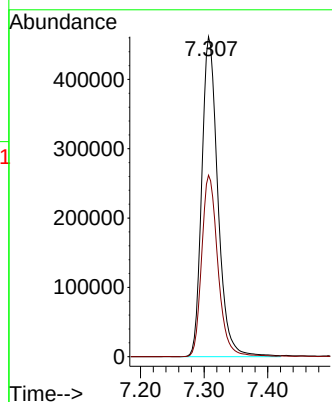
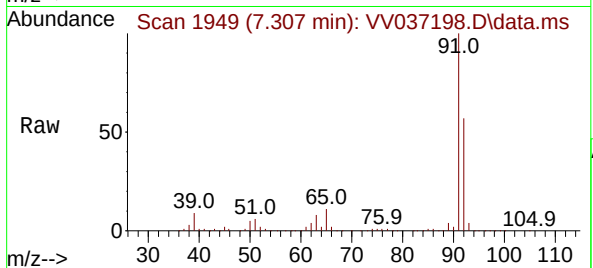
ClientSampleId :

Tgt Ion: 91 Resp: 809594

Ion Ratio Lower Upper

91 100

92 56.7 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 29.762 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV037198.D

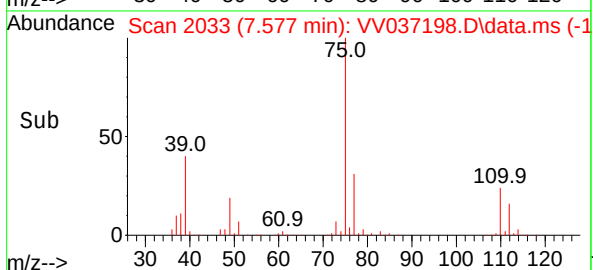
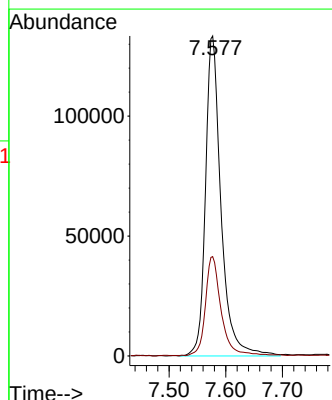
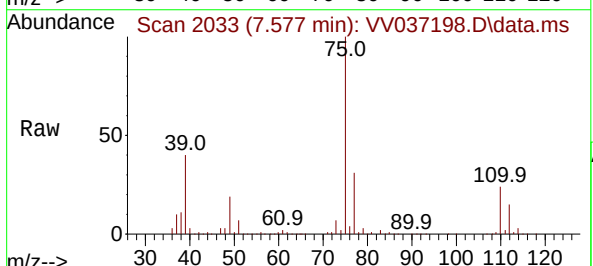
Acq: 04 Sep 2024 15:10

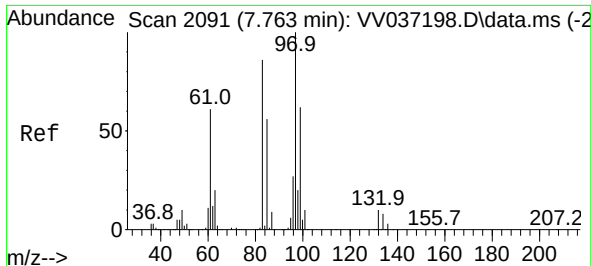
Tgt Ion: 75 Resp: 254251

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 28.602 ug/L

RT: 7.763 min Scan# 2091

Delta R.T. 0.000 min

Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 153084

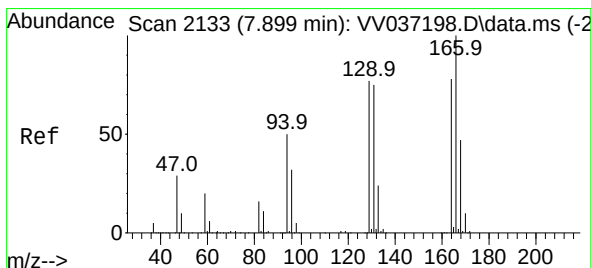
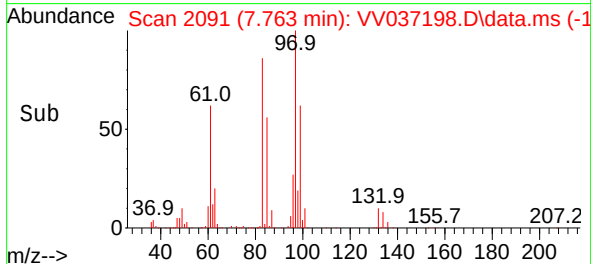
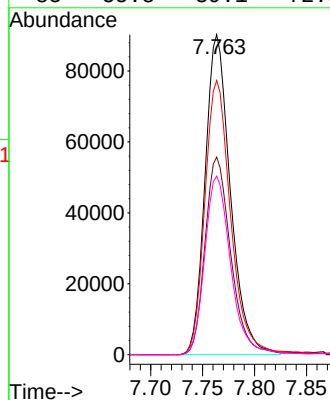
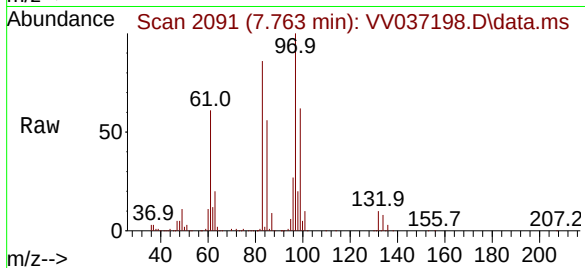
Ion Ratio Lower Upper

97 100

99 61.7 43.2 80.2

83 85.7 60.0 111.4

85 55.8 39.1 72.5



#46

Tetrachloroethene

Concen: 25.933 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.000 min

Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

Tgt Ion:164 Resp: 142102

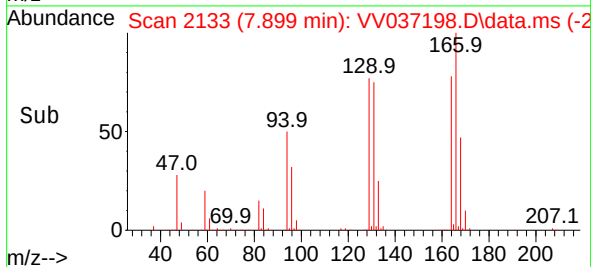
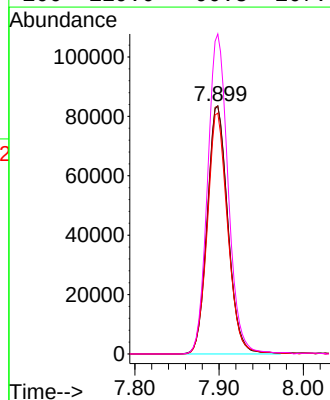
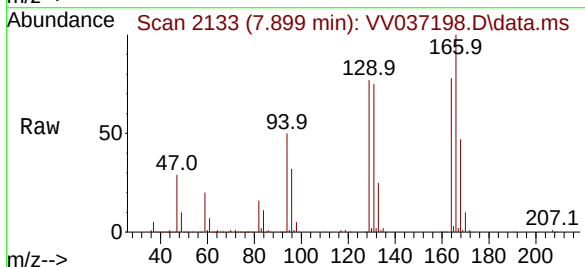
Ion Ratio Lower Upper

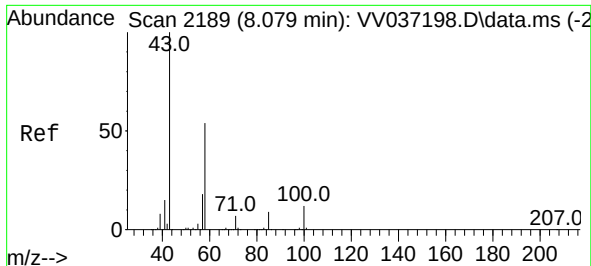
164 100

129 100.0 70.0 130.0

131 97.1 68.0 126.2

166 129.0 90.3 167.7





#48

2-Hexanone

Concen: 54.927 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. 0.000 min

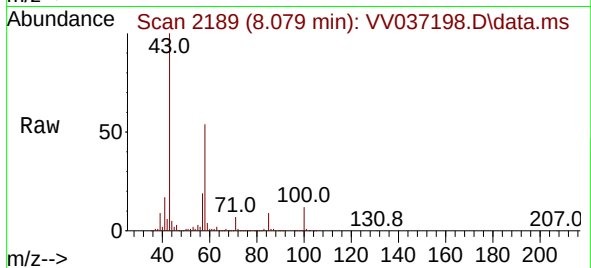
Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 162839

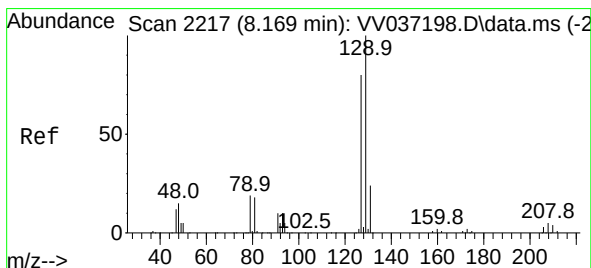
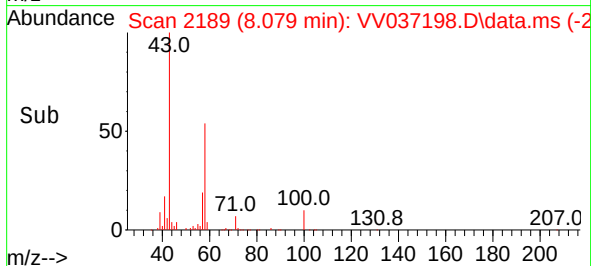
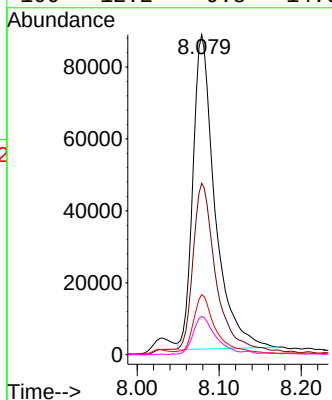
Ion Ratio Lower Upper

43 100

58 53.6 42.9 64.3

57 18.2 14.6 21.8

100 12.2 9.8 14.6



#49

Dibromochloromethane

Concen: 28.935 ug/L

RT: 8.169 min Scan# 2217

Delta R.T. 0.000 min

Lab File: VV037198.D

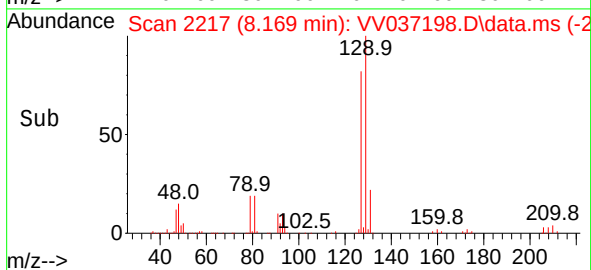
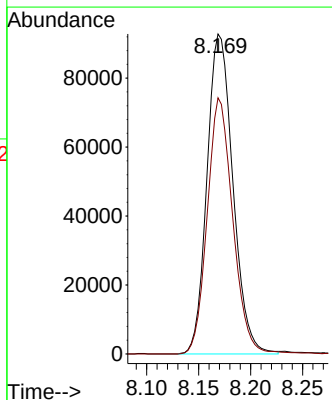
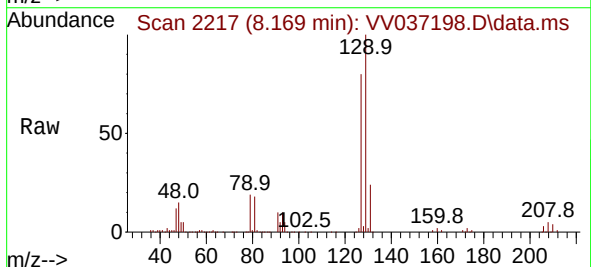
Acq: 04 Sep 2024 15:10

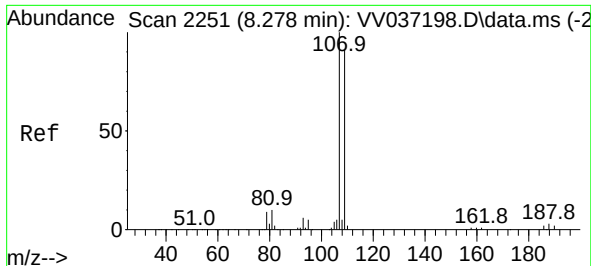
Tgt Ion: 129 Resp: 161143

Ion Ratio Lower Upper

129 100

127 80.0 56.0 104.0

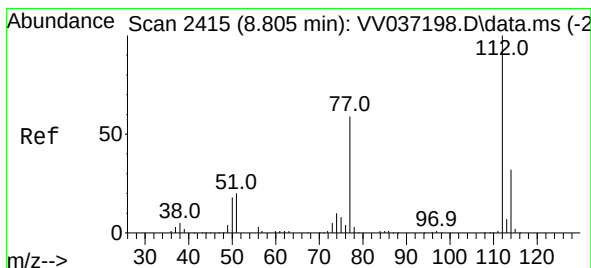
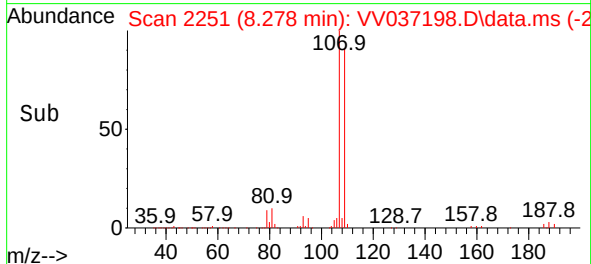
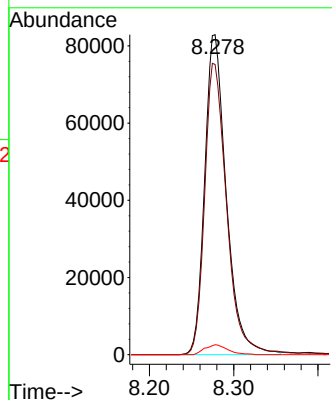
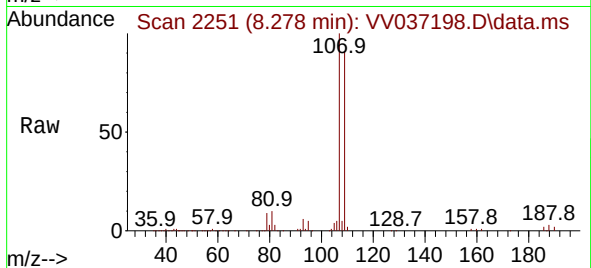




#50
1,2-Dibromoethane
Concen: 29.009 ug/L
RT: 8.278 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV037198.D
Acq: 04 Sep 2024 15:10

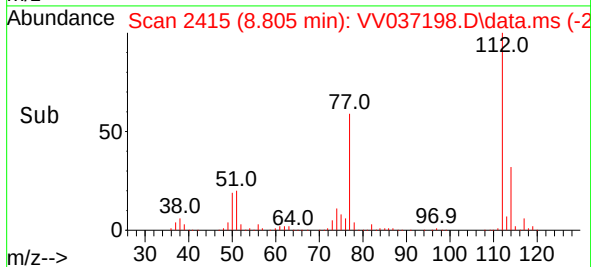
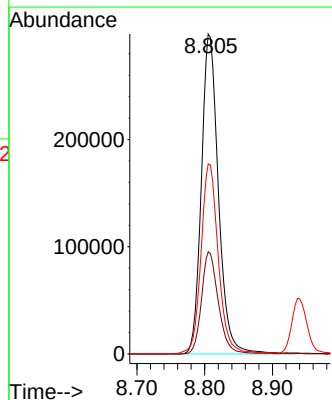
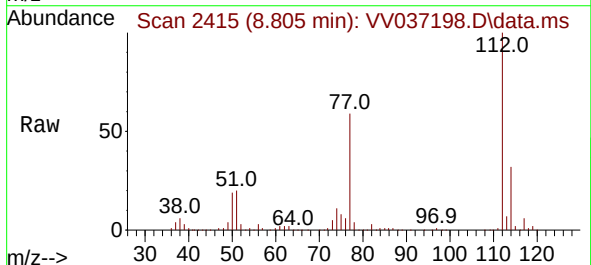
Instrument :
MSVOA_V
ClientSampleId :

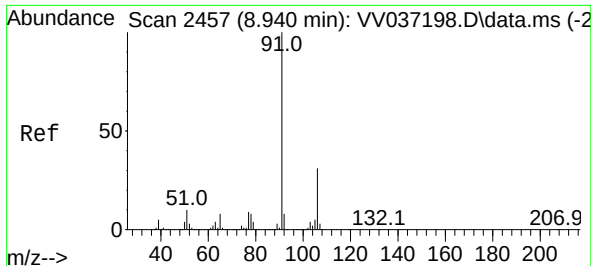
Tgt Ion:107 Resp: 148344
Ion Ratio Lower Upper
107 100
109 90.7 63.5 117.9
188 3.1 2.5 3.7



#51
Chlorobenzene
Concen: 27.697 ug/L
RT: 8.805 min Scan# 2415
Delta R.T. 0.000 min
Lab File: VV037198.D
Acq: 04 Sep 2024 15:10

Tgt Ion:112 Resp: 522405
Ion Ratio Lower Upper
112 100
114 32.0 22.4 41.6
77 59.4 47.5 71.3





#52

Ethylbenzene

Concen: 27.526 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. 0.000 min

Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

Instrument :

MSVOA_V

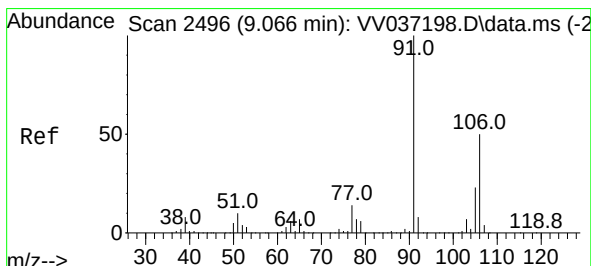
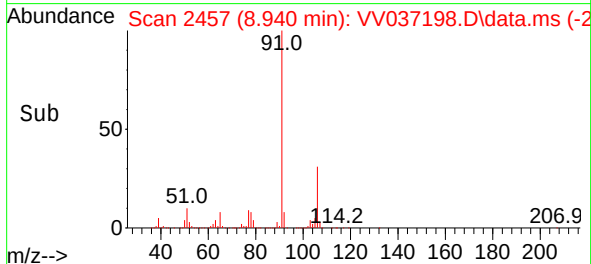
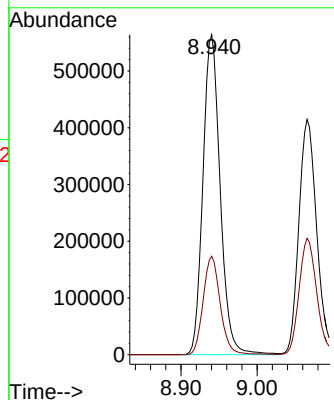
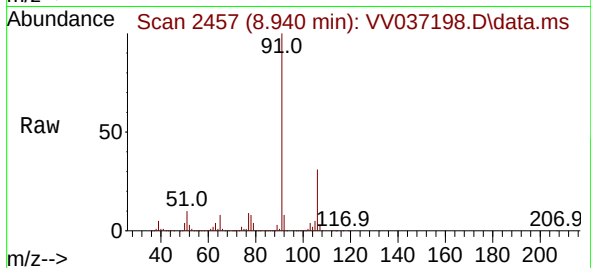
ClientSampleId :

Tgt Ion: 91 Resp: 888444

Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



#53

m,p-Xylene

Concen: 27.701 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. 0.000 min

Lab File: VV037198.D

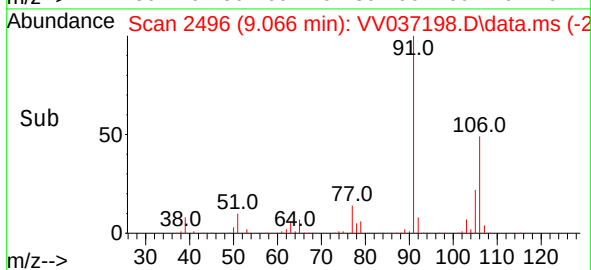
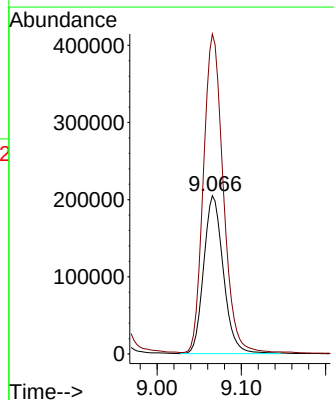
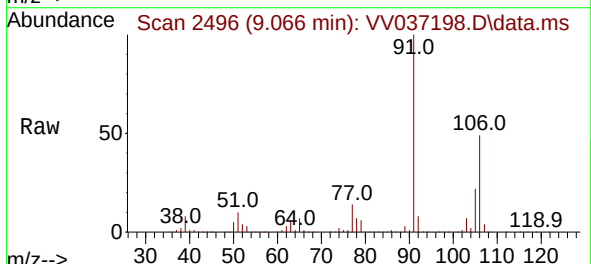
Acq: 04 Sep 2024 15:10

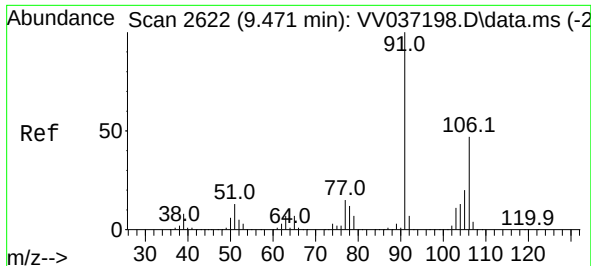
Tgt Ion:106 Resp: 331721

Ion Ratio Lower Upper

106 100

91 202.3 141.6 263.0

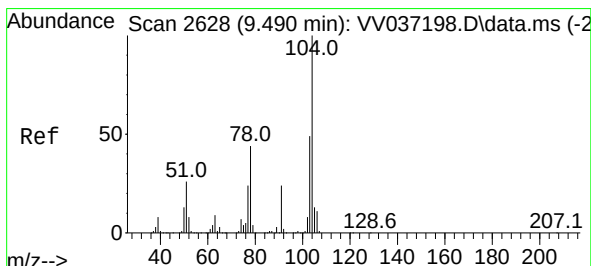
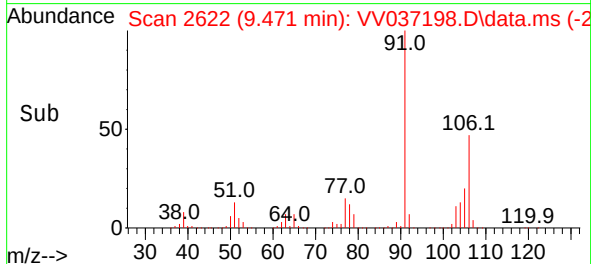
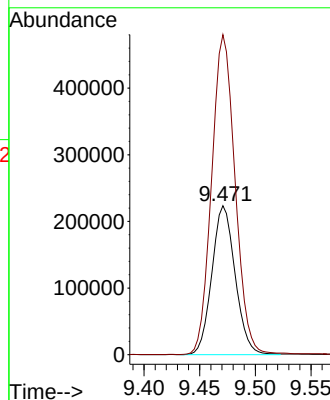
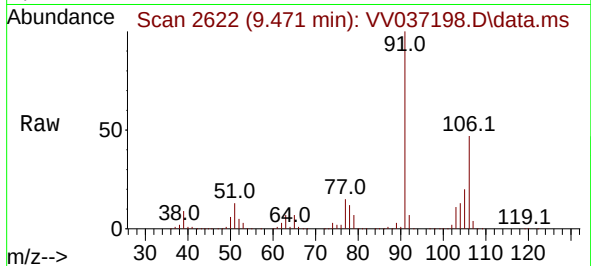




#54
o-Xylene
Concen: 28.194 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. 0.000 min
Lab File: VV037198.D
Acq: 04 Sep 2024 15:10

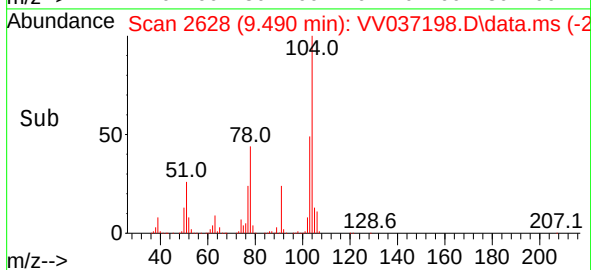
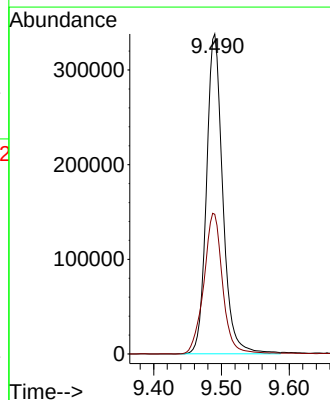
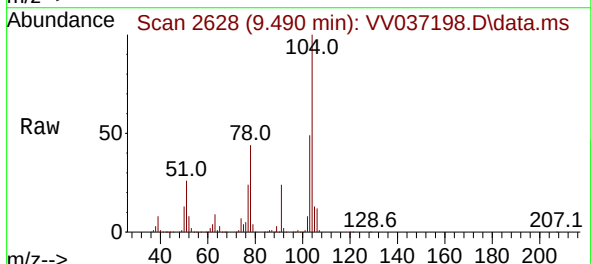
Instrument :
MSVOA_V
ClientSampleId :

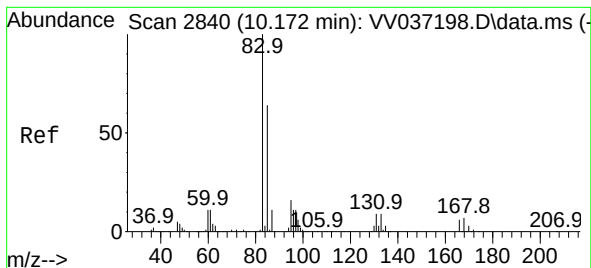
Tgt Ion:106 Resp: 325237
Ion Ratio Lower Upper
106 100
91 214.9 150.4 279.4



#55
Styrene
Concen: 29.129 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.000 min
Lab File: VV037198.D
Acq: 04 Sep 2024 15:10

Tgt Ion:104 Resp: 564590
Ion Ratio Lower Upper
104 100
78 43.7 30.6 56.8





#57

1,1,2,2-Tetrachloroethane

Concen: 28.595 ug/L

RT: 10.172 min Scan# 2840

Delta R.T. 0.000 min

Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

Instrument :

MSVOA_V

ClientSampleId :

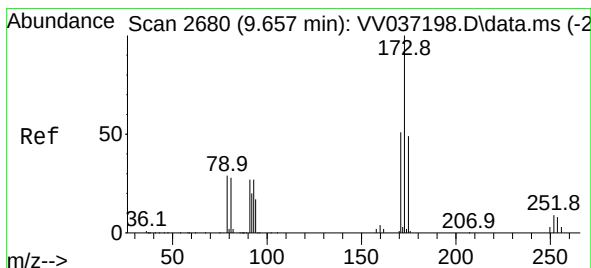
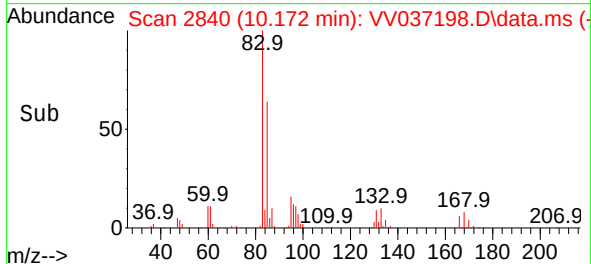
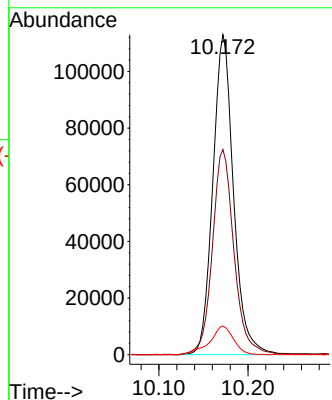
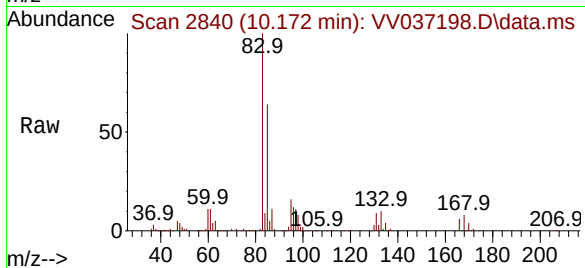
Tgt Ion: 83 Resp: 182379

Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.3

131 8.9 7.1 10.7



#59

Bromoform

Concen: 28.345 ug/L

RT: 9.657 min Scan# 2680

Delta R.T. 0.000 min

Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

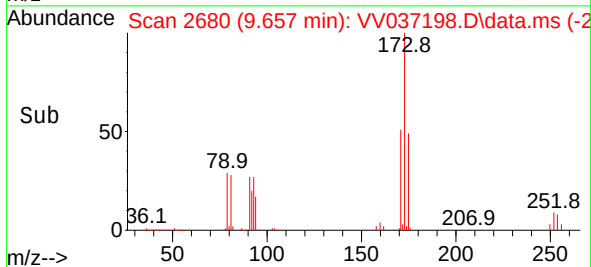
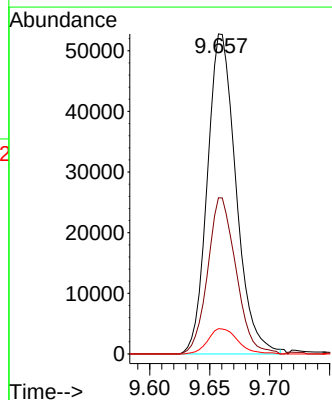
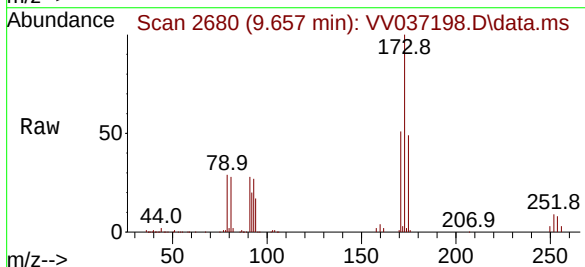
Tgt Ion: 173 Resp: 87699

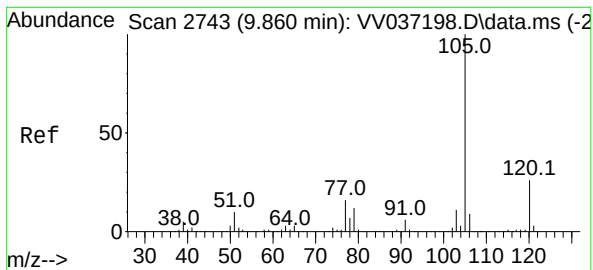
Ion Ratio Lower Upper

173 100

175 48.2 38.6 57.8

254 8.2 6.6 9.8





#60

Isopropylbenzene

Concen: 27.400 ug/L

RT: 9.860 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

Instrument :

MSVOA_V

ClientSampleId :

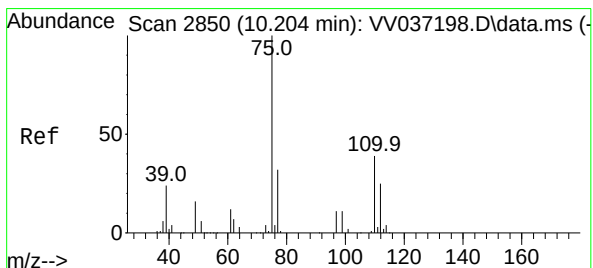
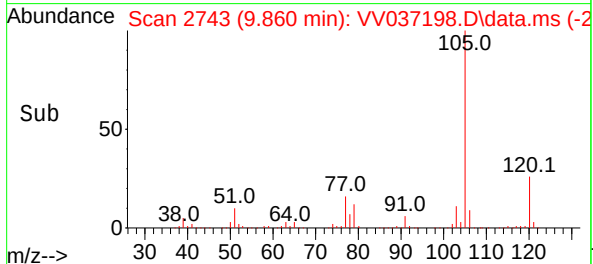
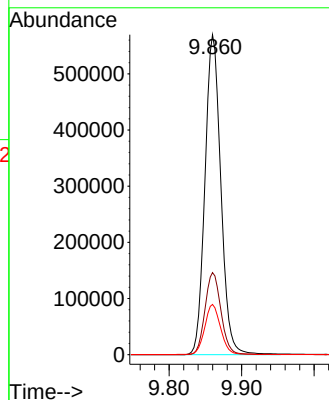
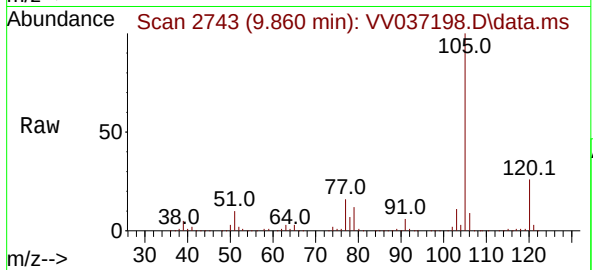
Tgt Ion:105 Resp: 867057

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

77 15.5 12.4 18.6



#61

1,2,3-Trichloropropane

Concen: 29.206 ug/L

RT: 10.204 min Scan# 2850

Delta R.T. 0.000 min

Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

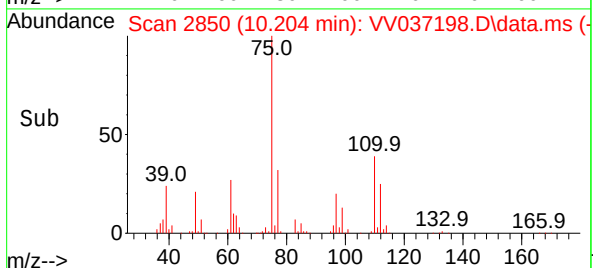
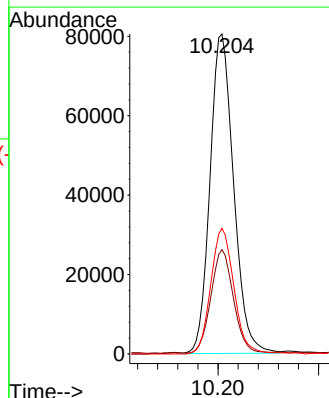
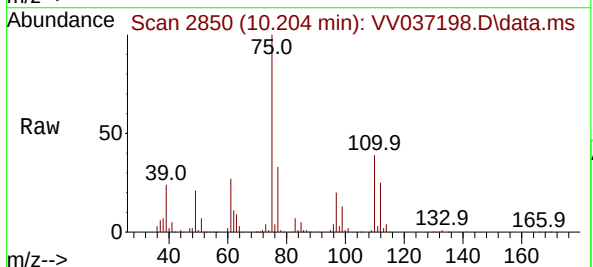
Tgt Ion: 75 Resp: 131141

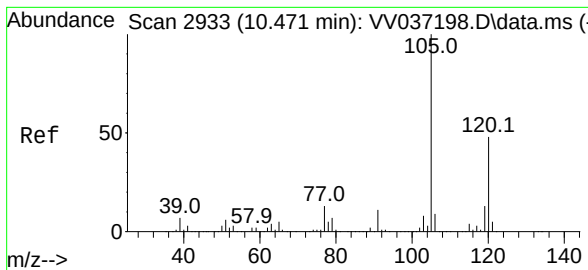
Ion Ratio Lower Upper

75 100

77 30.7 24.6 36.8

110 38.5 30.8 46.2

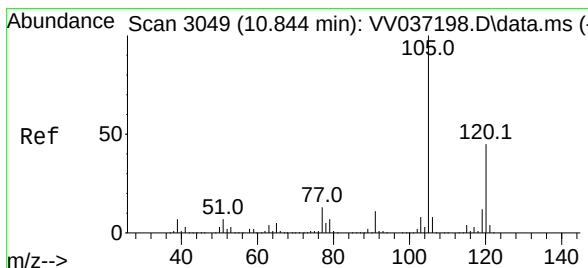
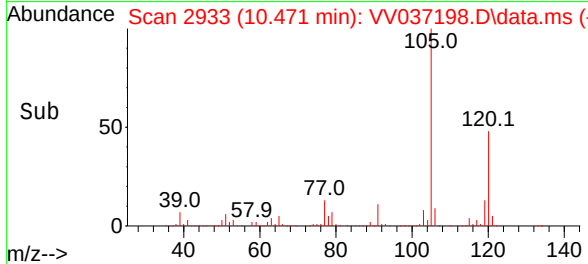
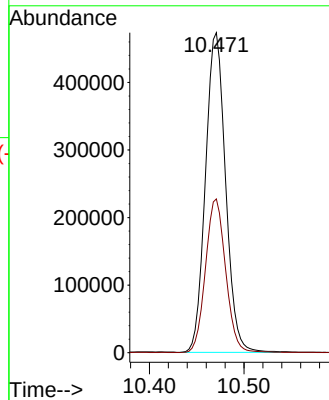
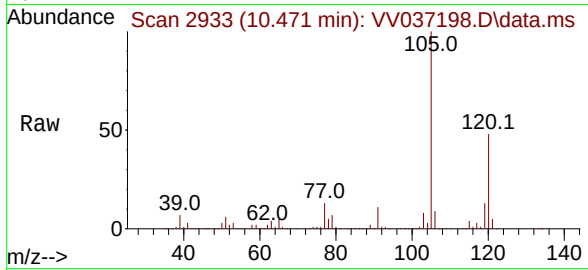




#62
 1,3,5-Trimethylbenzene
 Concen: 27.805 ug/L
 RT: 10.471 min Scan# 2933
 Delta R.T. 0.000 min
 Lab File: VV037198.D
 Acq: 04 Sep 2024 15:10

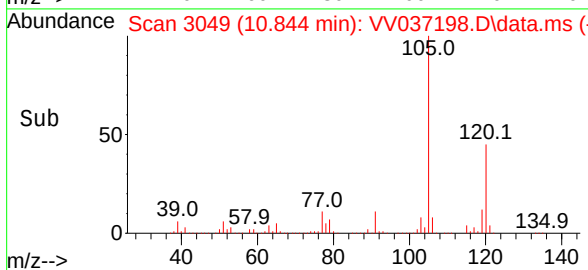
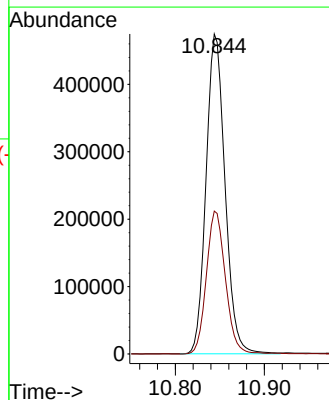
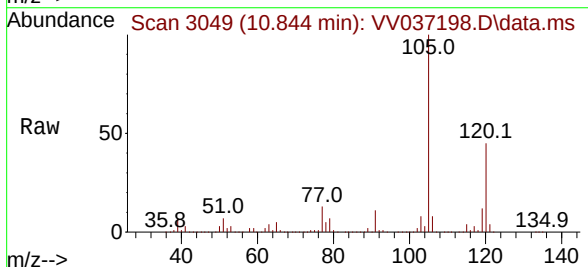
Instrument :
 MSVOA_V
 ClientSampleId :

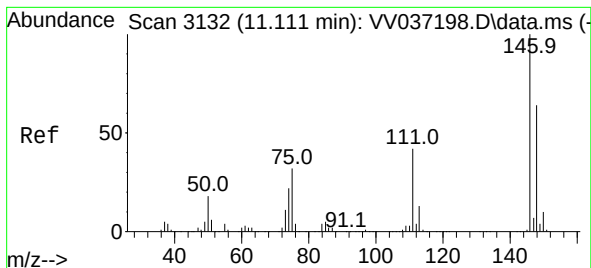
Tgt Ion:105 Resp: 698781
 Ion Ratio Lower Upper
 105 100
 120 48.4 38.7 58.1



#63
 1,2,4-Trimethylbenzene
 Concen: 28.161 ug/L
 RT: 10.844 min Scan# 3049
 Delta R.T. 0.000 min
 Lab File: VV037198.D
 Acq: 04 Sep 2024 15:10

Tgt Ion:105 Resp: 701901
 Ion Ratio Lower Upper
 105 100
 120 44.7 35.8 53.6





#64

1,3-Dichlorobenzene

Concen: 27.481 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. 0.000 min

Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

Instrument :

MSVOA_V

ClientSampleId :

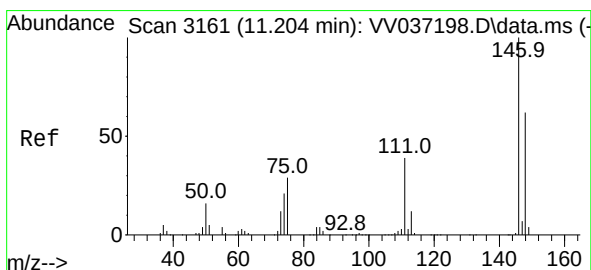
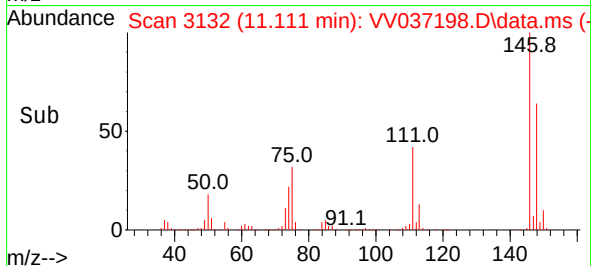
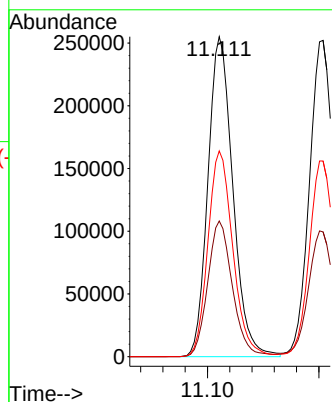
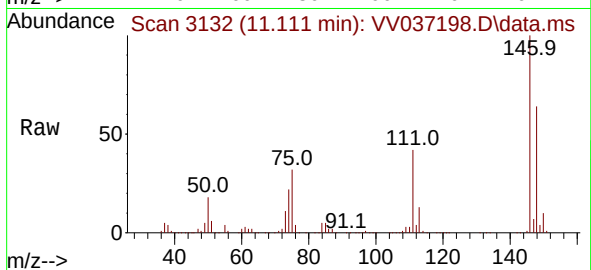
Tgt Ion:146 Resp: 396493

Ion Ratio Lower Upper

146 100

111 42.4 29.7 55.1

148 64.3 45.0 83.6



#65

1,4-Dichlorobenzene

Concen: 27.656 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

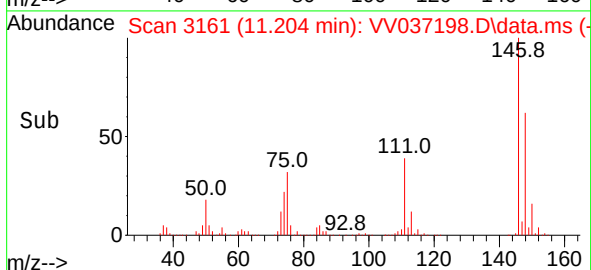
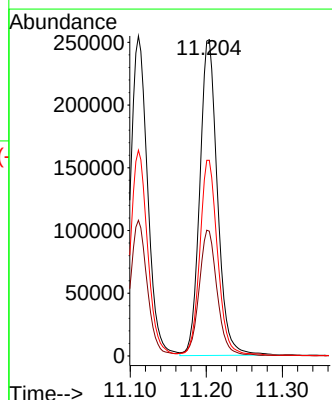
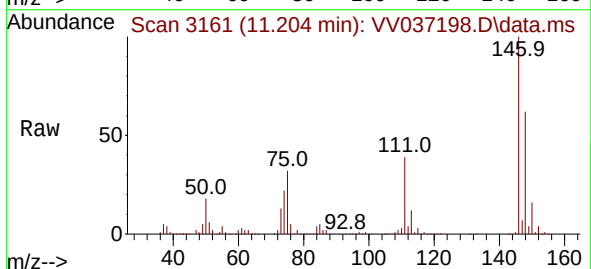
Tgt Ion:146 Resp: 406820

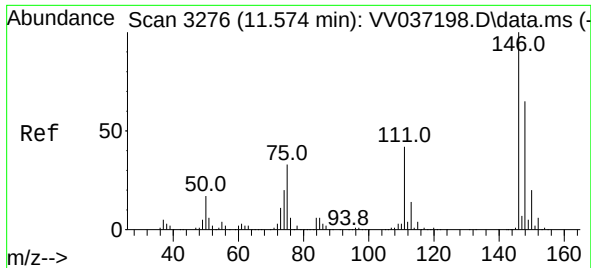
Ion Ratio Lower Upper

146 100

111 39.5 27.6 51.4

148 61.9 43.3 80.5





#67

1,2-Dichlorobenzene

Concen: 27.631 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. 0.000 min

Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

Instrument :

MSVOA_V

ClientSampleId :

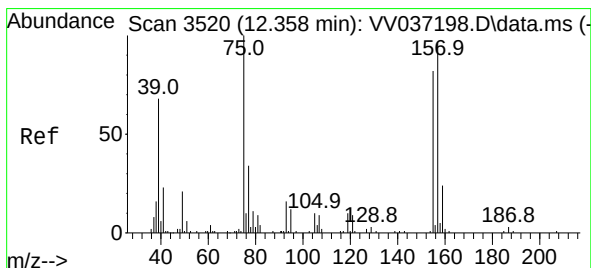
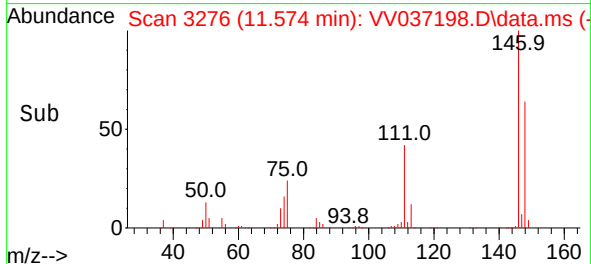
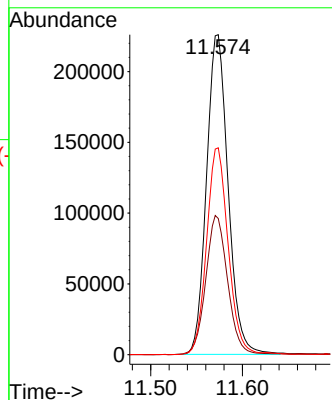
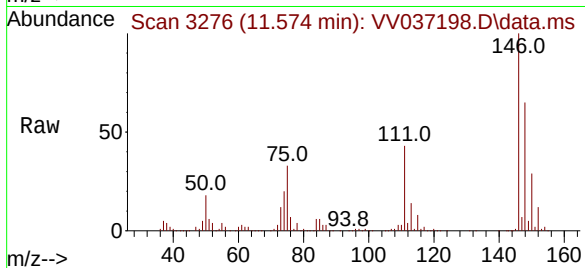
Tgt Ion:146 Resp: 369770

Ion Ratio Lower Upper

146 100

111 42.6 34.1 51.1

148 64.7 51.8 77.6



#68

1,2-Dibromo-3-chloropropane

Concen: 28.754 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. 0.000 min

Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

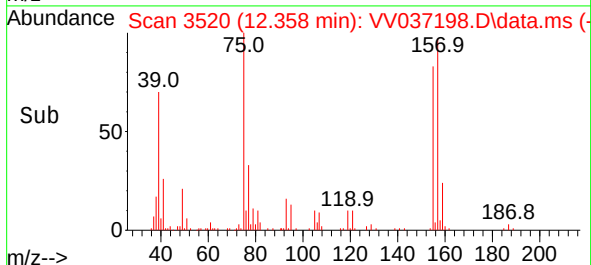
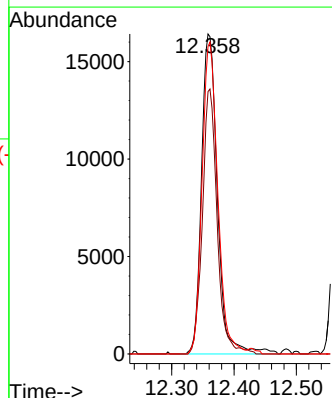
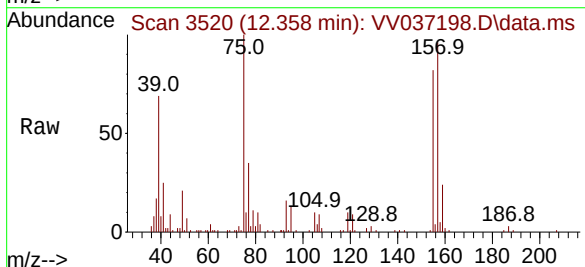
Tgt Ion: 75 Resp: 29138

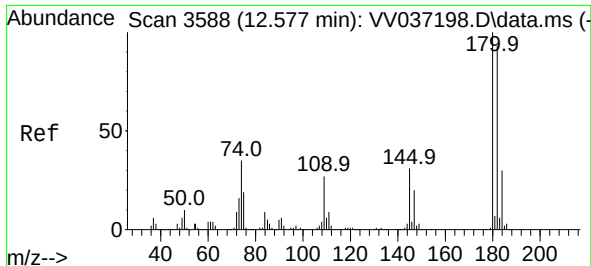
Ion Ratio Lower Upper

75 100

155 82.0 65.6 98.4

157 96.1 76.9 115.3





#69

1,3,5-Trichlorobenzene

Concen: 26.591 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.000 min

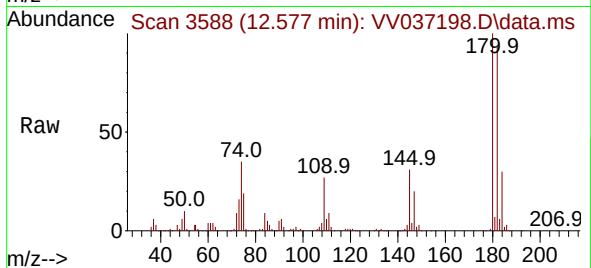
Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 272210

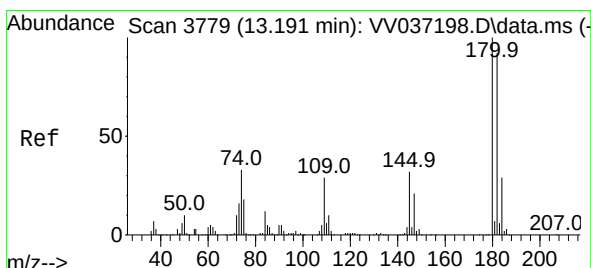
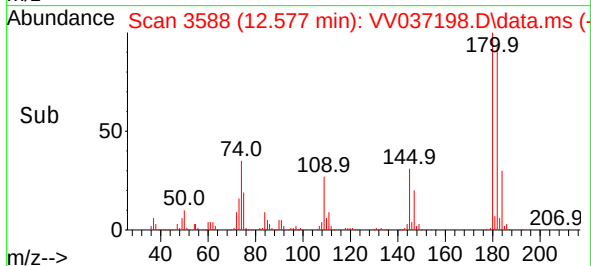
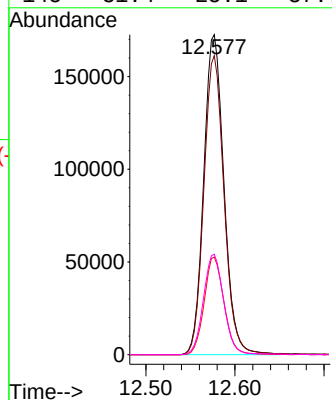
Ion Ratio Lower Upper

180 100

182 93.2 74.6 111.8

184 29.8 23.8 35.8

145 31.4 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 26.921 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. 0.000 min

Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

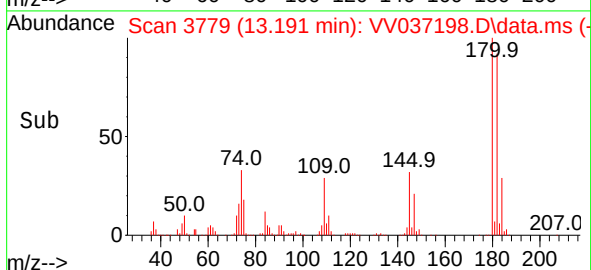
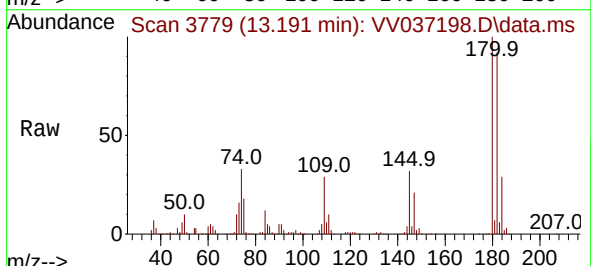
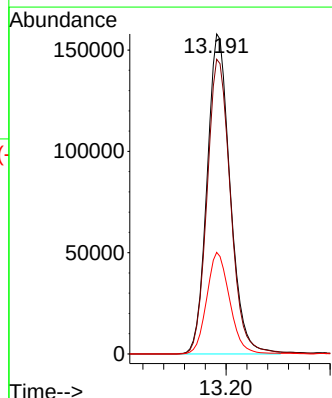
Tgt Ion:180 Resp: 243294

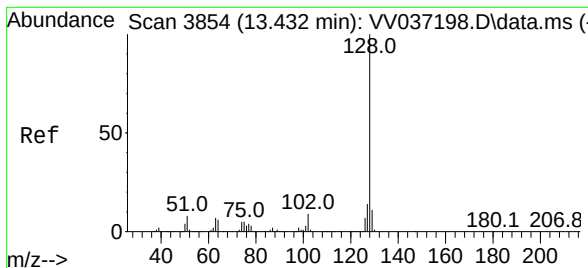
Ion Ratio Lower Upper

180 100

182 93.6 74.9 112.3

145 31.7 25.4 38.0





#71

Naphthalene

Concen: 28.669 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. 0.000 min

Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

Instrument :

MSVOA_V

ClientSampleId :

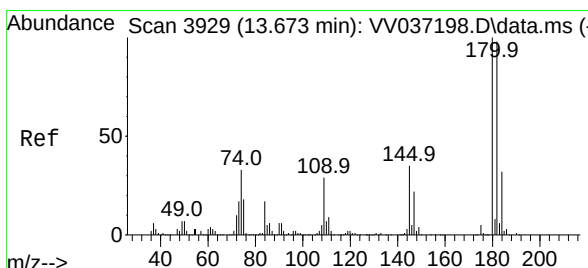
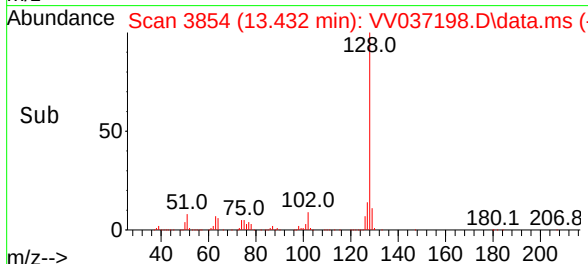
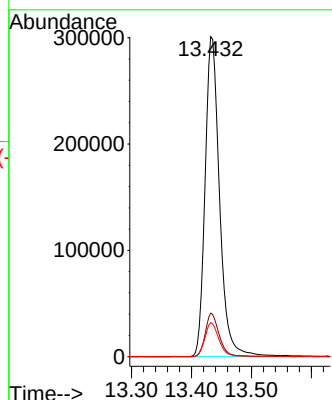
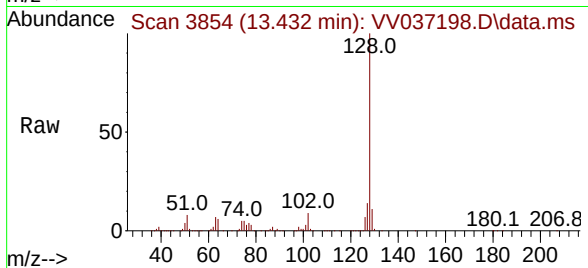
Tgt Ion:128 Resp: 505455

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 10.2 8.2 12.2



#72

1,2,3-Trichlorobenzene

Concen: 26.996 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. 0.000 min

Lab File: VV037198.D

Acq: 04 Sep 2024 15:10

Tgt Ion:180 Resp: 224041

Ion Ratio Lower Upper

180 100

182 97.5 78.0 117.0

145 34.9 27.9 41.9

