

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090424\
 Data File : VV037194.D
 Acq On : 04 Sep 2024 12:08
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5.00g/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 05 01:31:54 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	5.529	114	546167	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	514819	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	257431	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	51178	5.231	ug/L	0.00
7) Chloroethane-d5	1.532	69	37073	4.882	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	22516	5.116	ug/L	0.00
21) 2-Butanone-d5	3.986	46	283	0.144	ug/L	0.16
24) Chloroform-d	4.249	84	76835	4.572	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.944	65	38064	4.465	ug/L	0.00
32) Benzene-d6	4.957	84	149031	4.581	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	46423	4.606	ug/L	0.00
41) Toluene-d8	7.243	98	132737	4.512	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	16420	4.233	ug/L	0.01
47) 2-Hexanone-d5	8.056	63	10246	8.128	ug/L	0.03
56) 1,1,2,2-Tetrachloroeth...	10.149	84	34863	4.500	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	44060	4.385	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	37111	4.936	ug/L	96
3) Chloromethane	1.217	50	44361	4.937	ug/L	100
5) Vinyl chloride	1.281	62	43311	4.901	ug/L	96
6) Bromomethane	1.487	94	24183	4.730	ug/L	97
8) Chloroethane	1.548	64	27123	4.989	ug/L	98
9) Trichlorofluoromethane	1.712	101	60406	5.008	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	37589	4.988	ug/L	99
12) 1,1-Dichloroethene	2.069	96	34602	5.041	ug/L	96
13) Acetone	2.156	43	32195	12.385	ug/L	91
14) Carbon disulfide	2.236	76	108815	4.829	ug/L	99
15) Methyl Acetate	2.384	43	18232	4.875	ug/L	96
16) Methylene chloride	2.442	84	56647	5.659	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	38327	5.118	ug/L	95
18) Methyl tert-butyl Ether	2.706	73	84598	4.826	ug/L	98
19) 1,1-Dichloroethane	3.105	63	71681	4.999	ug/L	97
20) cis-1,2-Dichloroethene	3.815	96	38134	4.824	ug/L	95
22) 2-Butanone	3.760	43	322	0.149	ug/L	83
23) Bromochloromethane	4.146	128	17064	4.843	ug/L	96
25) Chloroform	4.275	83	66583	4.783	ug/L	98
27) 1,2-Dichloroethane	5.043	62	42662	4.835	ug/L	95
29) Cyclohexane	4.574	56	56256	4.843	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	57843	5.059	ug/L	98
31) Carbon tetrachloride	4.728	117	46272	4.787	ug/L	98
33) Benzene	5.008	78	137176	4.749	ug/L	100
34) Trichloroethene	5.834	95	37481	4.768	ug/L	97
35) Methylcyclohexane	6.043	83	63185	4.933	ug/L	98
37) 1,2-Dichloropropane	6.095	63	36204	4.834	ug/L	99
38) Bromodichloromethane	6.432	83	46618	4.930	ug/L	94
39) cis-1,3-Dichloropropene	6.956	75	51310	4.628	ug/L	100
40) 4-Methyl-2-pentanone	7.172	43	39442	9.442	ug/L	97
42) Toluene	7.313	91	144698	4.760	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	41194	4.572	ug/L	96

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 Quant Title : VOC Analysis
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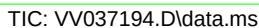
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

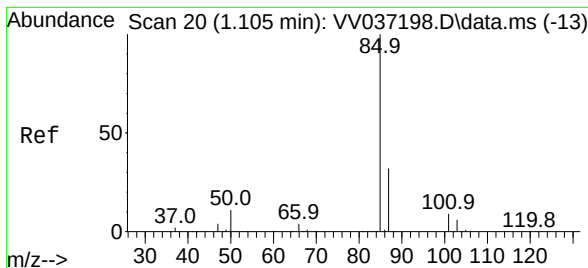
45) 1,1,2-Trichloroethane	7.770	97	27323	4.841	ug/L	92
46) Tetrachloroethene	7.902	164	28408	4.916	ug/L	97
48) 2-Hexanone	8.059	43	991	0.317	ug/L #	48
49) Dibromochloromethane	8.175	129	27325	4.652	ug/L	93
50) 1,2-Dibromoethane	8.288	107	26563	4.925	ug/L #	96
51) Chlorobenzene	8.812	112	97935	4.923	ug/L	99
52) Ethylbenzene	8.944	91	162811	4.783	ug/L	98
53) m,p-Xylene	9.072	106	59807	4.736	ug/L	99
54) o-Xylene	9.474	106	55529	4.564	ug/L	99
55) Styrene	9.497	104	90657	4.435	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	32373	4.813	ug/L	100
59) Bromoform	9.664	173	15053	4.605	ug/L #	98
60) Isopropylbenzene	9.863	105	156726	4.688	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	24035	5.067	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	117953	4.443	ug/L	97
63) 1,2,4-Trimethylbenzene	10.847	105	116983	4.443	ug/L	97
64) 1,3-Dichlorobenzene	11.114	146	73839	4.844	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	74517	4.795	ug/L	97
67) 1,2-Dichlorobenzene	11.574	146	68080	4.815	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.361	75	5153	4.813	ug/L	86
69) 1,3,5-Trichlorobenzene	12.577	180	52573	4.861	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	45588	4.775	ug/L	99
71) Naphthalene	13.435	128	82630	4.436	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	43610	4.974	ug/L	94

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

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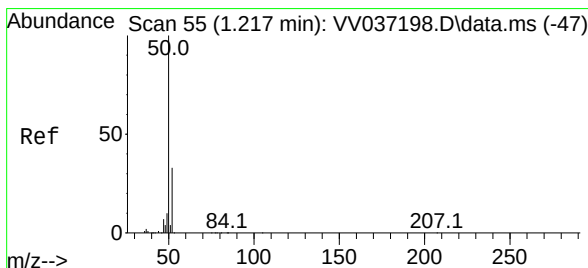
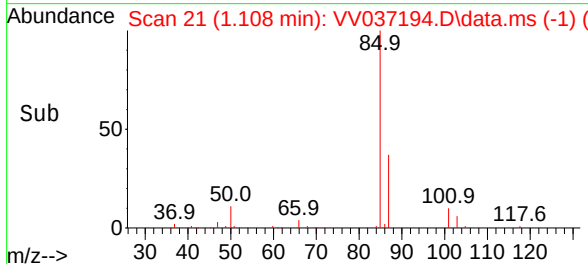
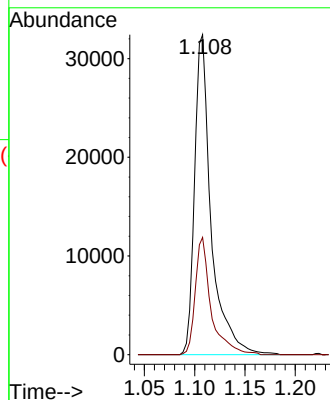
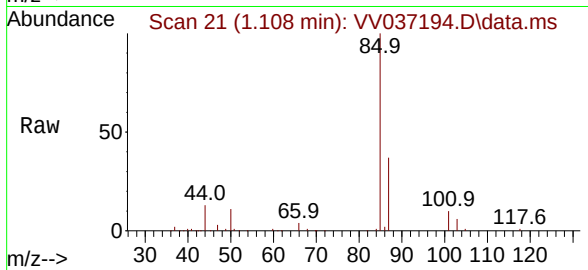




#2
 Dichlorodifluoromethane
 Concen: 4.936 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV037194.D
 Acq: 04 Sep 2024 12:08

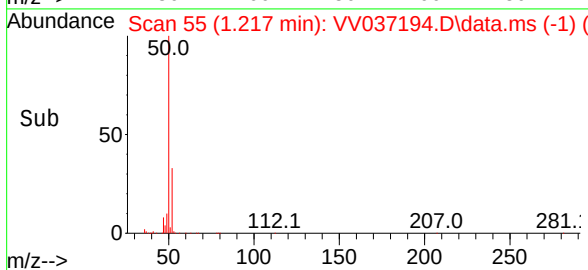
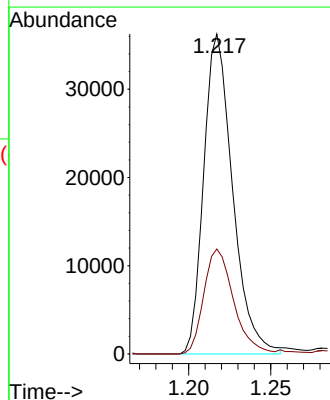
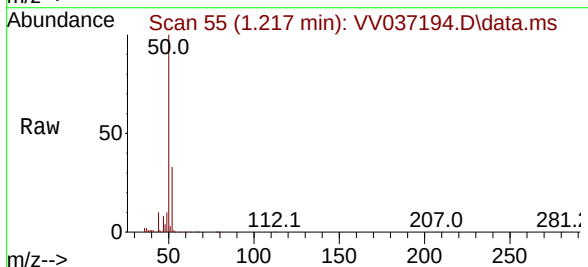
Instrument :
 MSVOA_V
 ClientSampleId :

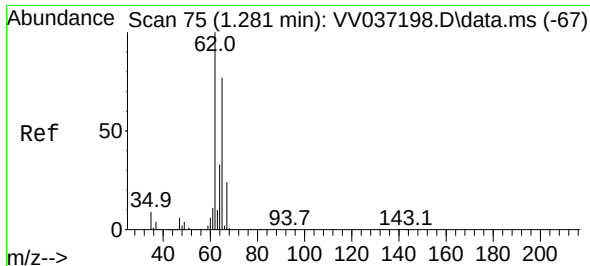
Tgt Ion: 85 Resp: 37111
 Ion Ratio Lower Upper
 85 100
 87 35.1 26.1 39.1



#3
 Chloromethane
 Concen: 4.937 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV037194.D
 Acq: 04 Sep 2024 12:08

Tgt Ion: 50 Resp: 44361
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.9 42.5

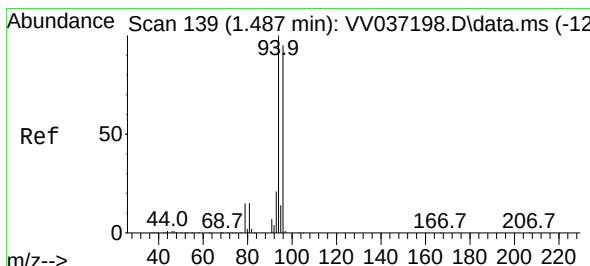
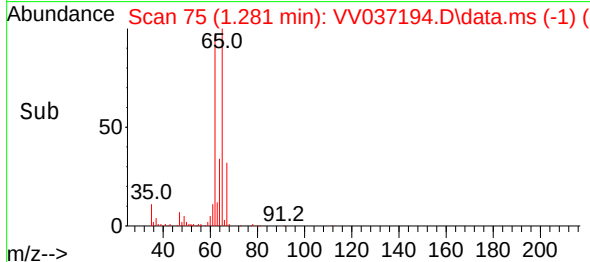
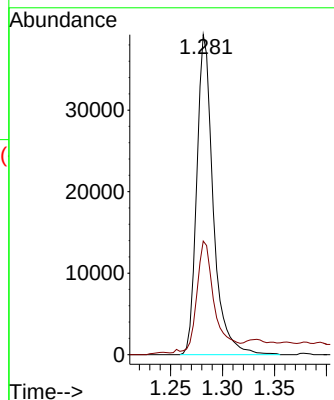
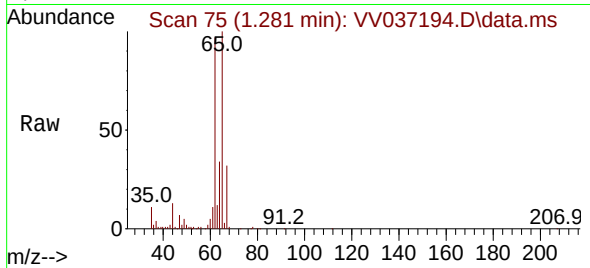




#5
 Vinyl chloride
 Concen: 4.901 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV037194.D
 Acq: 04 Sep 2024 12:08

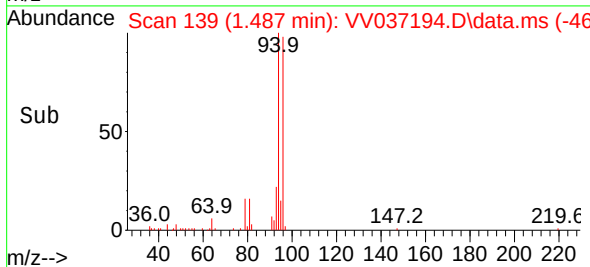
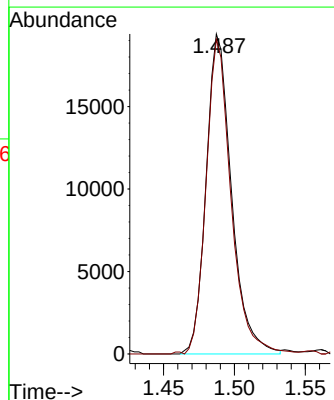
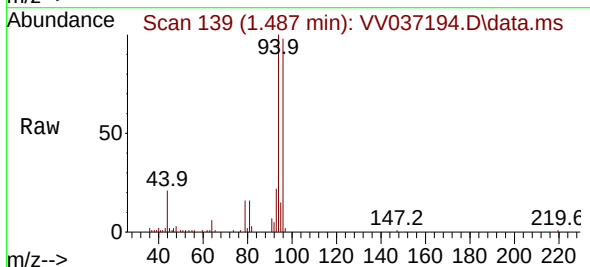
Instrument :
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 ClientSampleId :

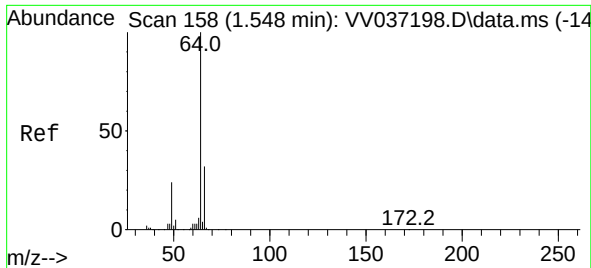
Tgt Ion: 62 Resp: 43311
 Ion Ratio Lower Upper
 62 100
 64 35.5 23.2 43.2



#6
 Bromomethane
 Concen: 4.730 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV037194.D
 Acq: 04 Sep 2024 12:08

Tgt Ion: 94 Resp: 24183
 Ion Ratio Lower Upper
 94 100
 96 98.3 66.6 123.6

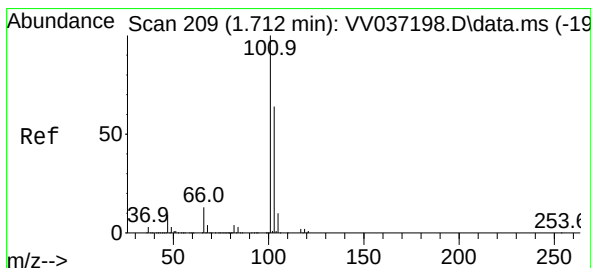
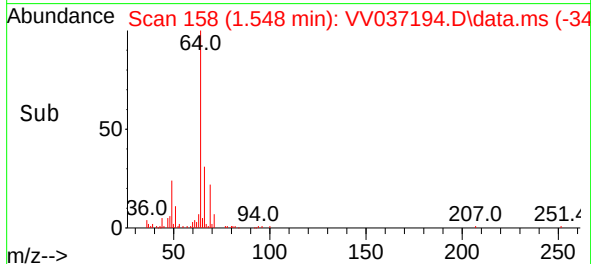
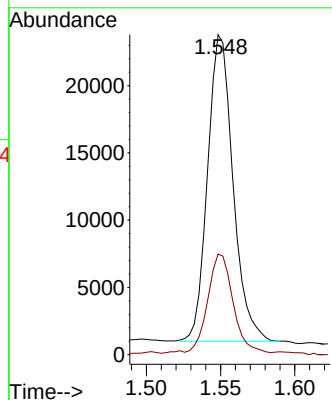
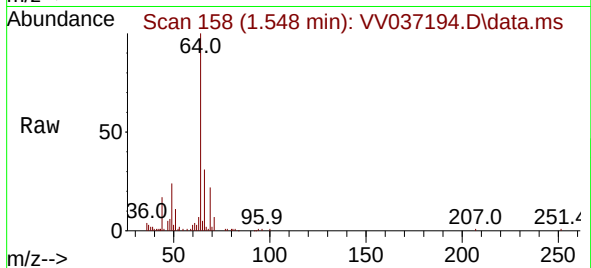




#8
Chloroethane
Concen: 4.989 ug/L
RT: 1.548 min Scan# 158
Delta R.T. 0.000 min
Lab File: VV037194.D
Acq: 04 Sep 2024 12:08

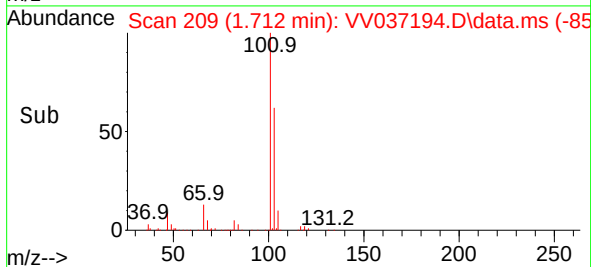
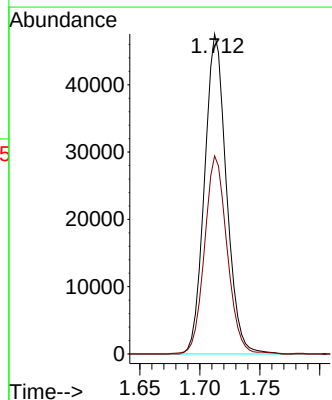
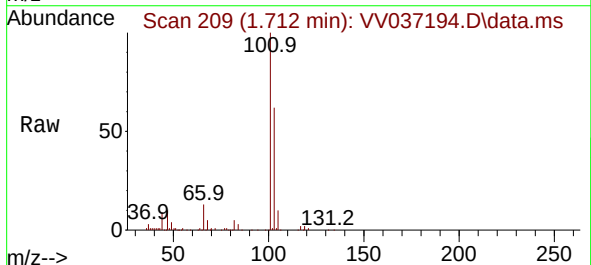
Instrument :
MSVOA_V
ClientSampleId :

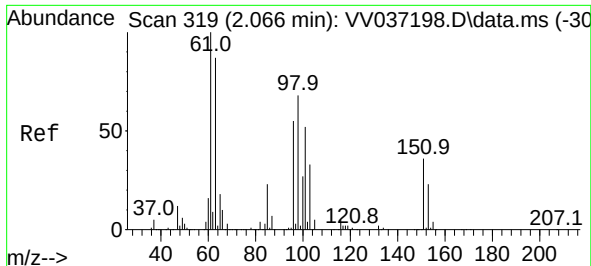
Tgt Ion: 64 Resp: 27123
Ion Ratio Lower Upper
64 100
66 31.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 5.008 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV037194.D
Acq: 04 Sep 2024 12:08

Tgt Ion: 101 Resp: 60406
Ion Ratio Lower Upper
101 100
103 63.8 51.4 77.2

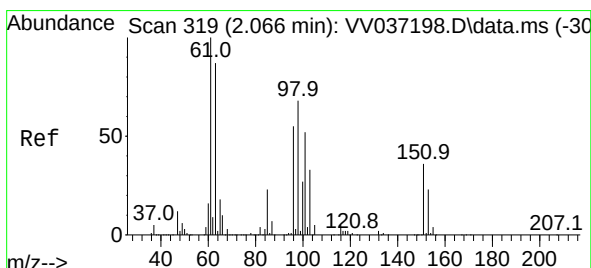
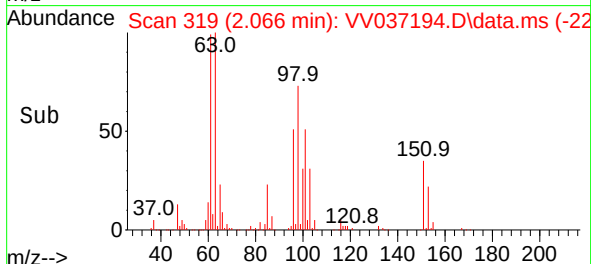
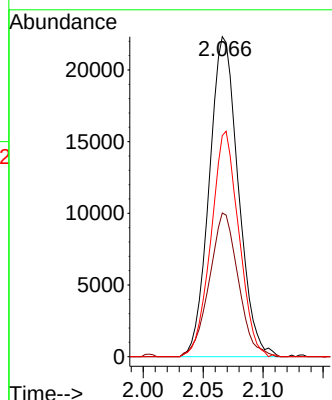
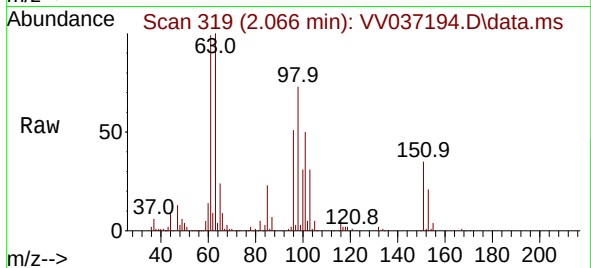




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.988 ug/L
RT: 2.066 min Scan# 319
Delta R.T. 0.000 min
Lab File: VV037194.D
Acq: 04 Sep 2024 12:08

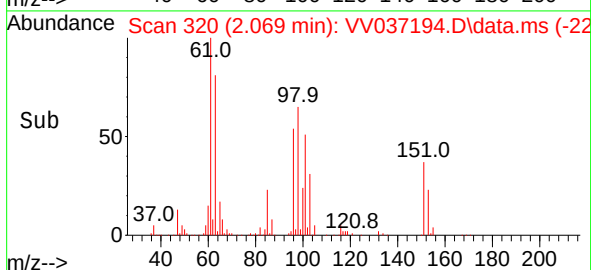
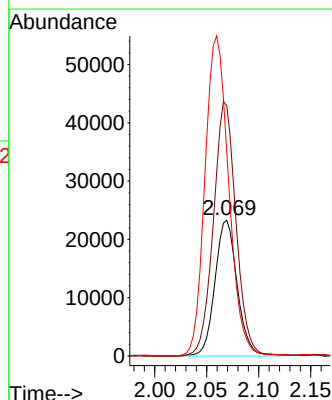
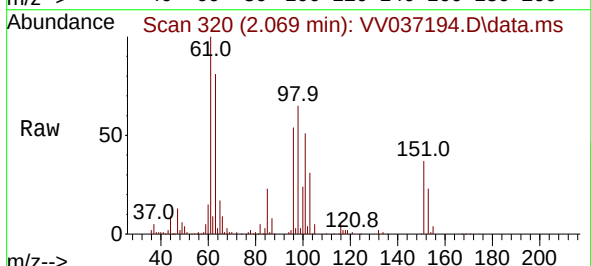
Instrument :
MSVOA_V
ClientSampleId :

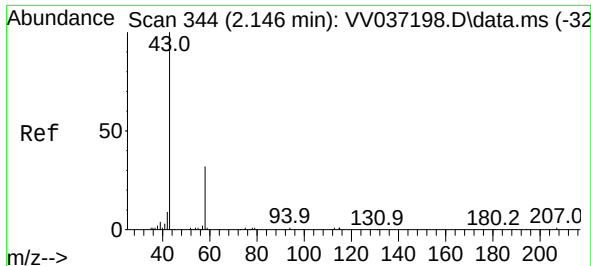
Tgt Ion:101 Resp: 37589
Ion Ratio Lower Upper
101 100
85 44.7 34.7 52.1
151 67.4 54.3 81.5



#12
1,1-Dichloroethene
Concen: 5.041 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.003 min
Lab File: VV037194.D
Acq: 04 Sep 2024 12:08

Tgt Ion: 96 Resp: 34602
Ion Ratio Lower Upper
96 100
61 184.7 126.8 235.6
63 150.2 110.4 205.0





#13

Acetone

Concen: 12.385 ug/L

RT: 2.156 min Scan# 344

Delta R.T. 0.010 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

Instrument :

MSVOA_V

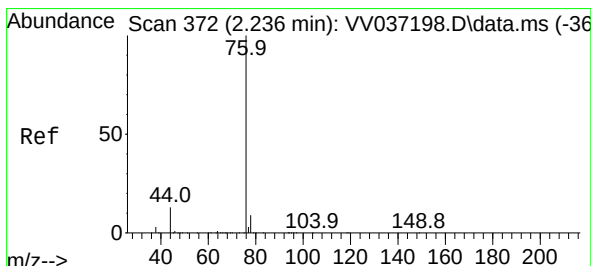
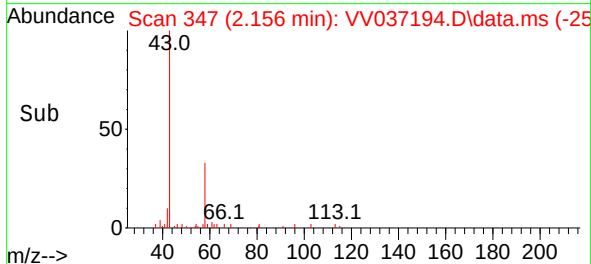
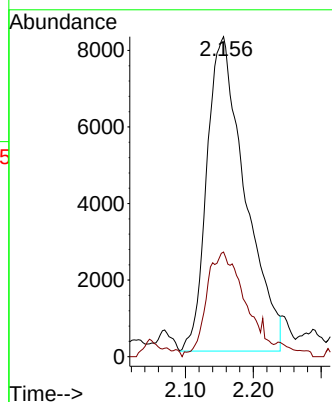
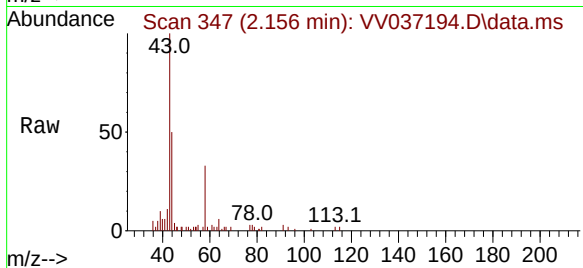
ClientSampleId :

Tgt Ion: 43 Resp: 32195

Ion Ratio Lower Upper

43 100

58 7.7 0.0 22.2



#14

Carbon disulfide

Concen: 4.829 ug/L

RT: 2.236 min Scan# 372

Delta R.T. 0.000 min

Lab File: VV037194.D

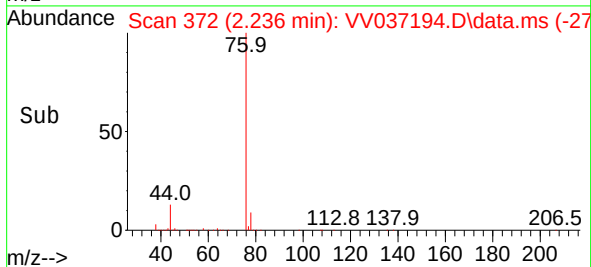
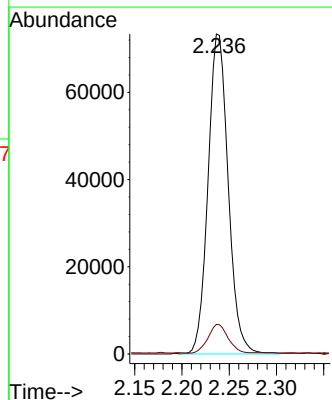
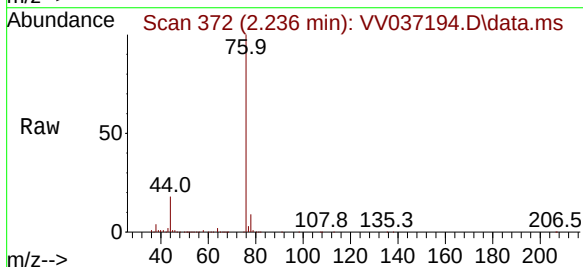
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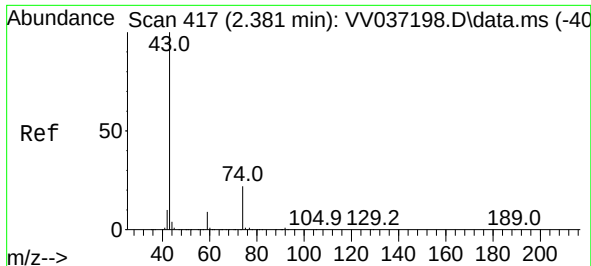
Tgt Ion: 76 Resp: 108815

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





#15

Methyl Acetate

Concen: 4.875 ug/L

RT: 2.384 min Scan# 417

Delta R.T. 0.003 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

Instrument :

MSVOA_V

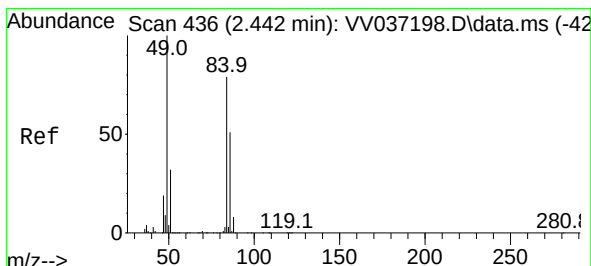
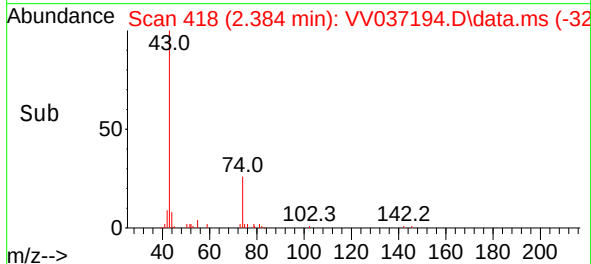
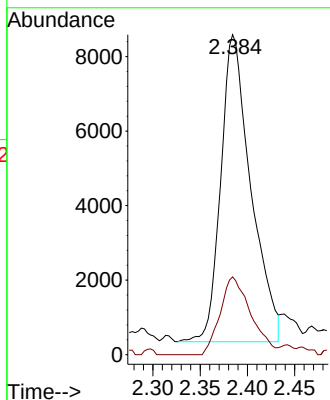
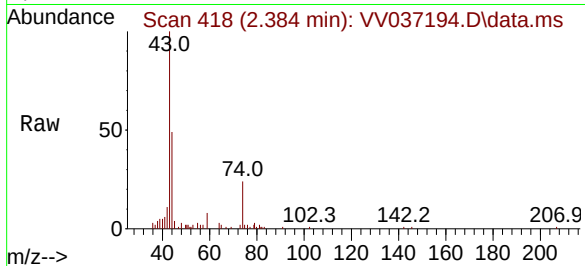
ClientSampleId :

Tgt Ion: 43 Resp: 18232

Ion Ratio Lower Upper

43 100

74 25.8 19.0 28.4



#16

Methylene chloride

Concen: 5.659 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.000 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

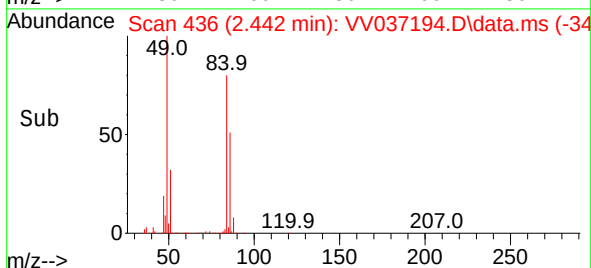
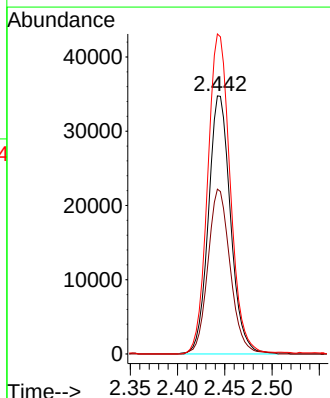
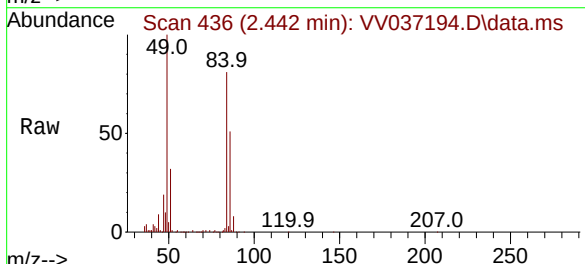
Tgt Ion: 84 Resp: 56647

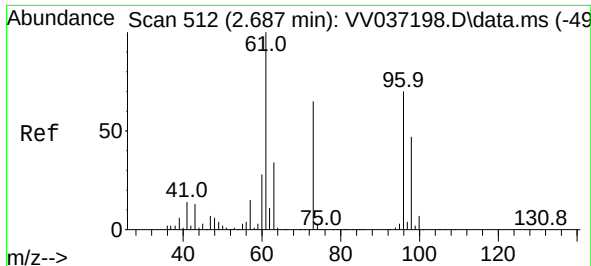
Ion Ratio Lower Upper

84 100

86 63.8 45.4 84.2

49 124.0 88.7 164.7





#17

trans-1,2-Dichloroethene

Concen: 5.118 ug/L

RT: 2.690 min Scan# 512

Delta R.T. 0.003 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

Instrument :

MSVOA_V

ClientSampleId :

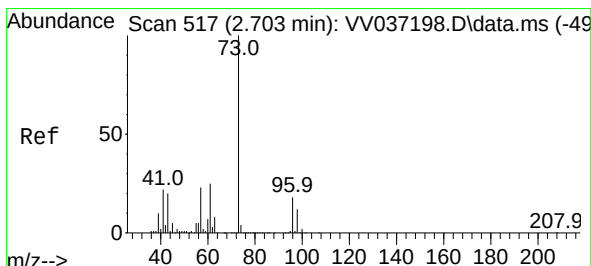
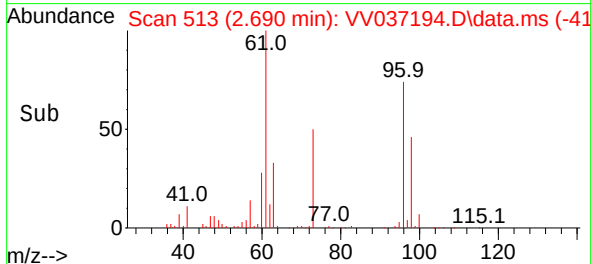
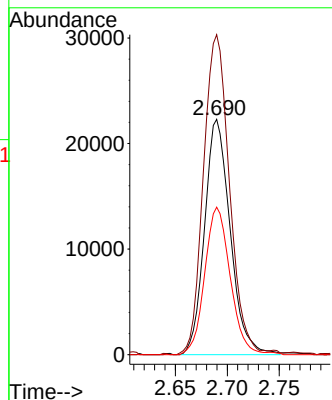
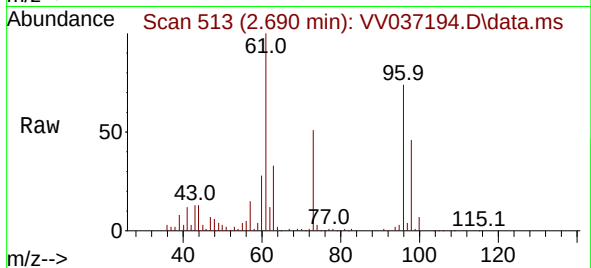
Tgt Ion: 96 Resp: 38327

Ion Ratio Lower Upper

96 100

61 136.0 99.7 185.1

98 62.7 46.4 86.2



#18

Methyl tert-butyl Ether

Concen: 4.826 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.003 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

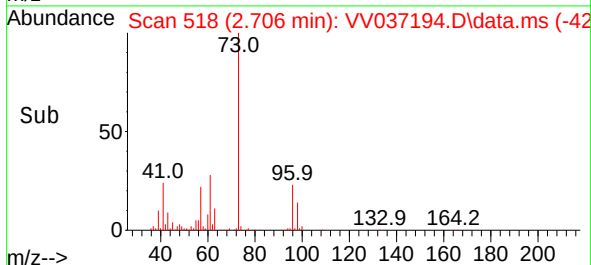
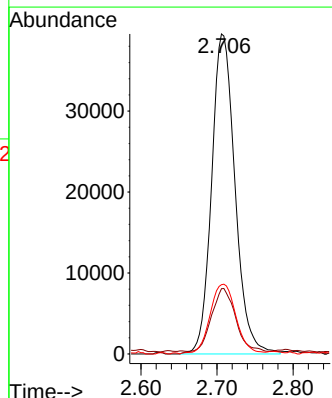
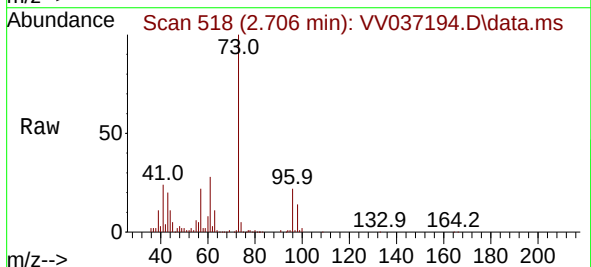
Tgt Ion: 73 Resp: 84598

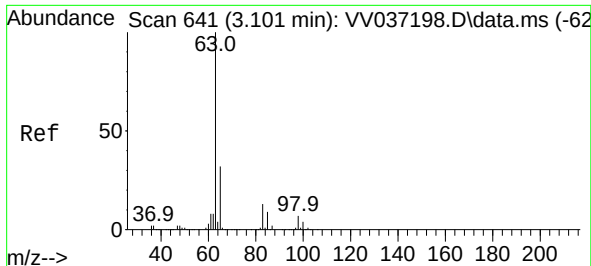
Ion Ratio Lower Upper

73 100

43 20.1 15.7 23.5

57 24.2 18.3 27.5

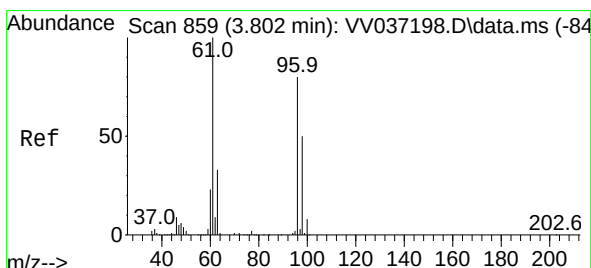
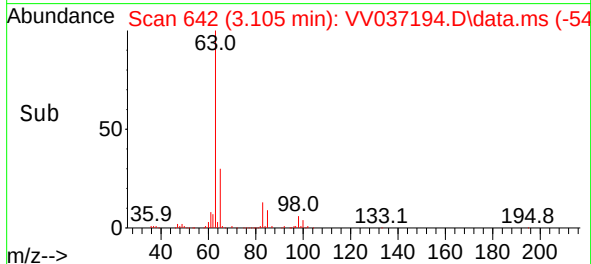
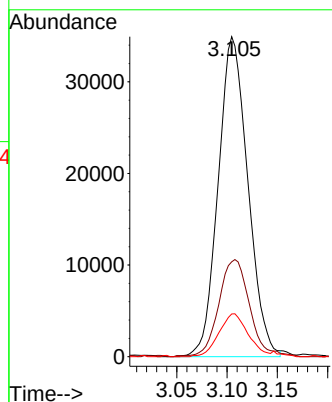
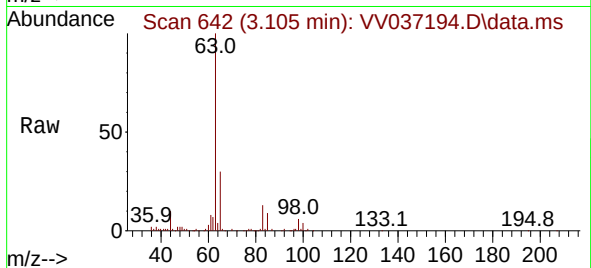




#19
1,1-Dichloroethane
Concen: 4.999 ug/L
RT: 3.105 min Scan# 641
Delta R.T. 0.003 min
Lab File: VV037194.D
Acq: 04 Sep 2024 12:08

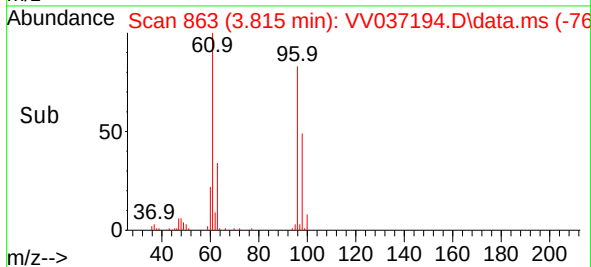
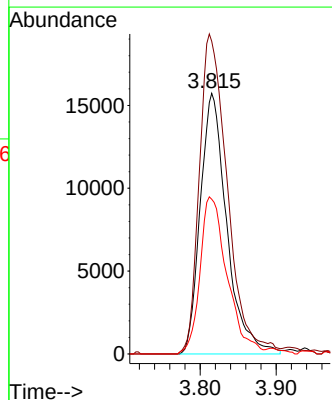
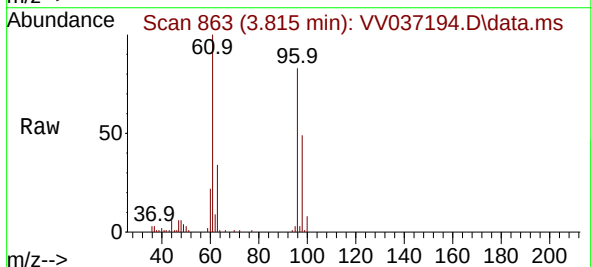
Instrument :
MSVOA_V
ClientSampleId :

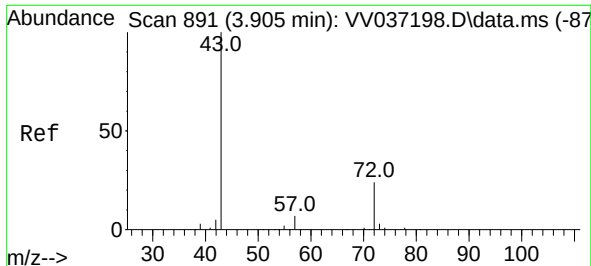
Tgt Ion: 63 Resp: 71681
Ion Ratio Lower Upper
63 100
65 29.7 22.4 41.6
83 13.4 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 4.824 ug/L
RT: 3.815 min Scan# 863
Delta R.T. 0.013 min
Lab File: VV037194.D
Acq: 04 Sep 2024 12:08

Tgt Ion: 96 Resp: 38134
Ion Ratio Lower Upper
96 100
61 119.9 87.6 162.6
98 59.4 44.0 81.6

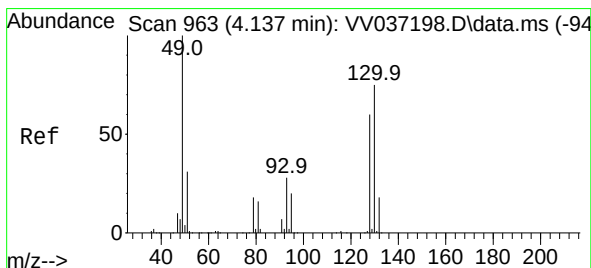
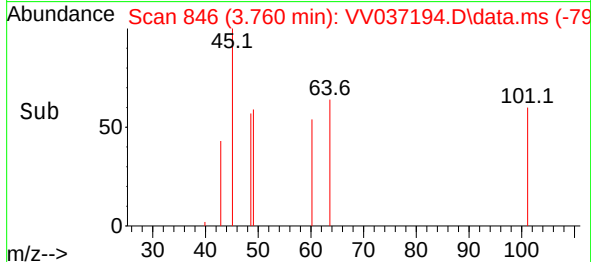
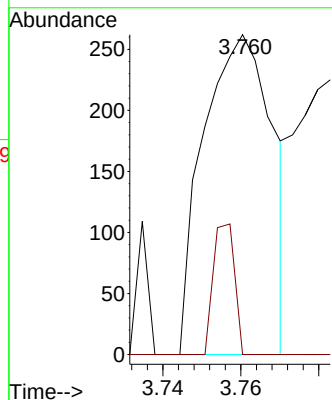
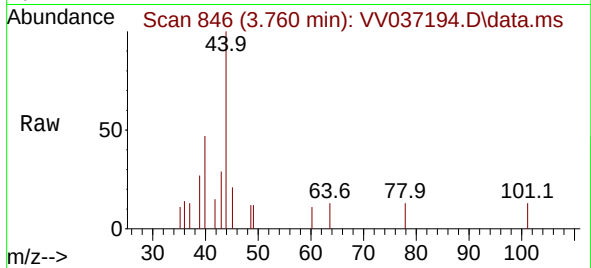




#22
2-Butanone
Concen: 0.149 ug/L
RT: 3.760 min Scan# 84
Delta R.T. -0.145 min
Lab File: VV037194.D
Acq: 04 Sep 2024 12:08

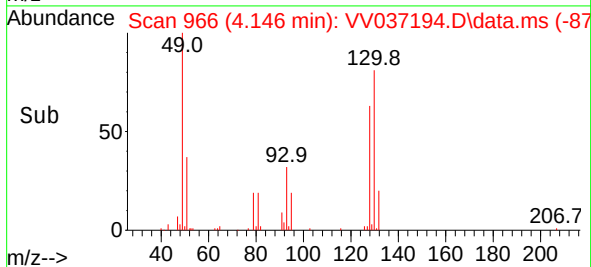
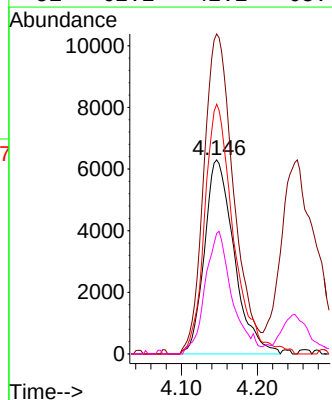
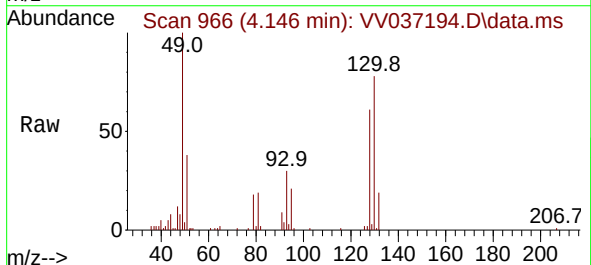
Instrument :
MSVOA_V
ClientSampleId :

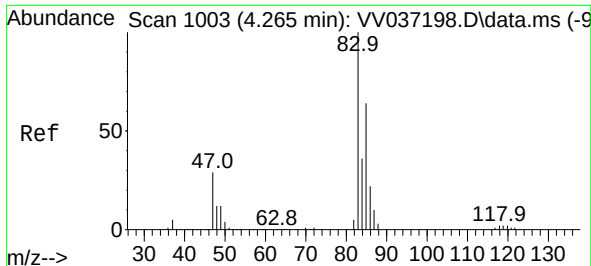
Tgt Ion: 43 Resp: 322
Ion Ratio Lower Upper
43 100
72 12.7 10.2 30.6



#23
Bromochloromethane
Concen: 4.843 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.010 min
Lab File: VV037194.D
Acq: 04 Sep 2024 12:08

Tgt Ion:128 Resp: 17064
Ion Ratio Lower Upper
128 100
49 164.9 117.8 218.8
130 128.7 88.4 164.2
51 62.2 42.2 63.4





#25

Chloroform

Concen: 4.783 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. 0.010 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

Instrument :

MSVOA_V

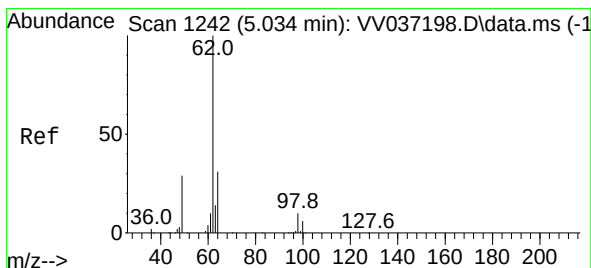
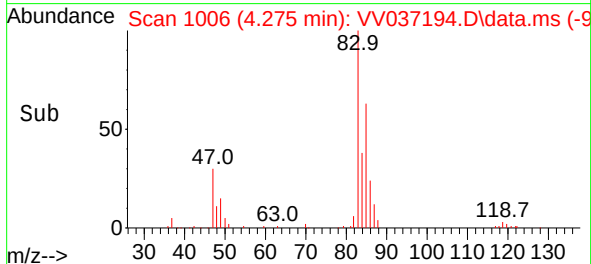
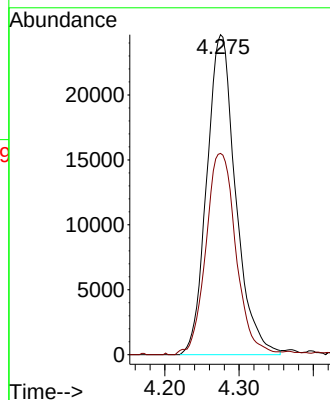
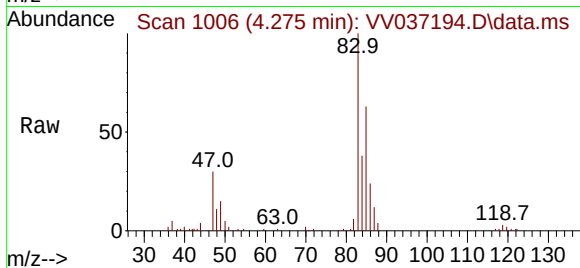
ClientSampleId :

Tgt Ion: 83 Resp: 66583

Ion Ratio Lower Upper

83 100

85 62.9 44.9 83.3



#27

1,2-Dichloroethane

Concen: 4.835 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.010 min

Lab File: VV037194.D

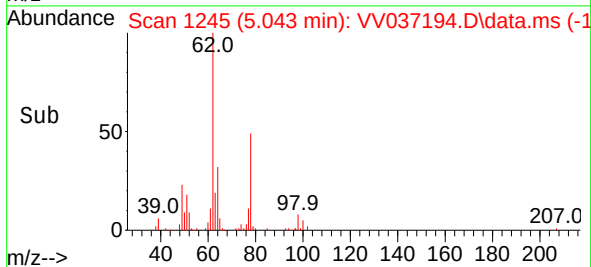
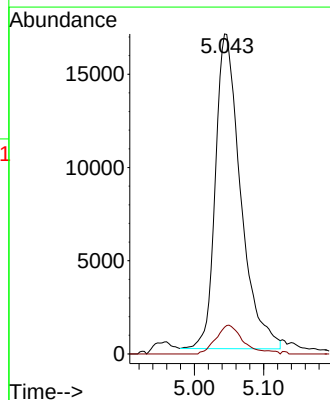
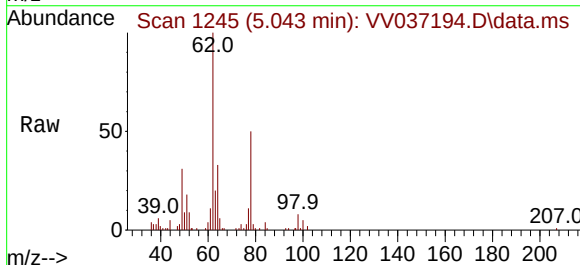
Acq: 04 Sep 2024 12:08

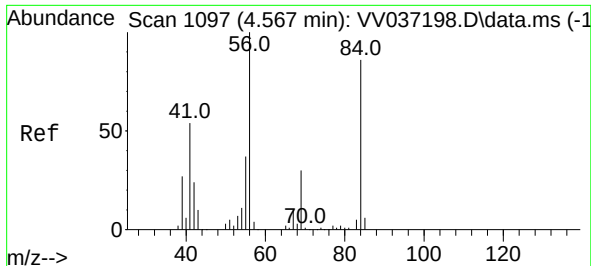
Tgt Ion: 62 Resp: 42662

Ion Ratio Lower Upper

62 100

98 8.4 8.3 12.5





#29

Cyclohexane

Concen: 4.843 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.006 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

Instrument :

MSVOA_V

ClientSampleId :

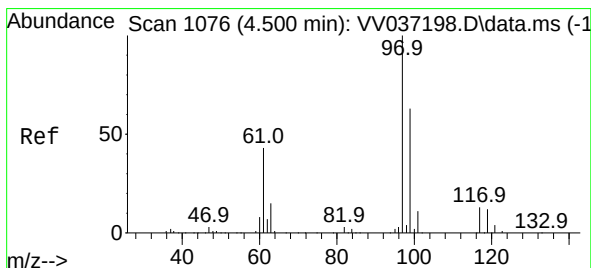
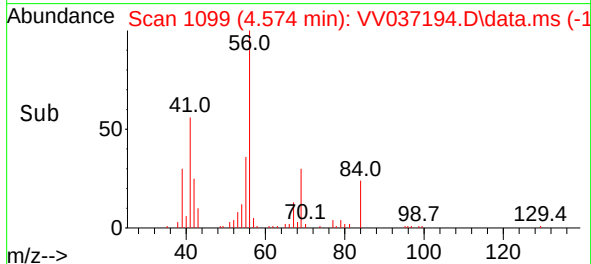
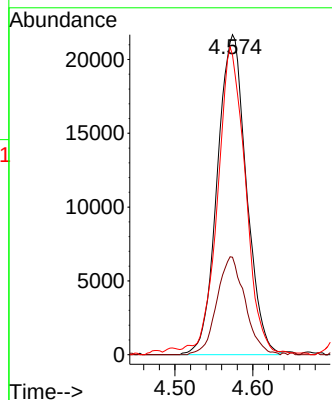
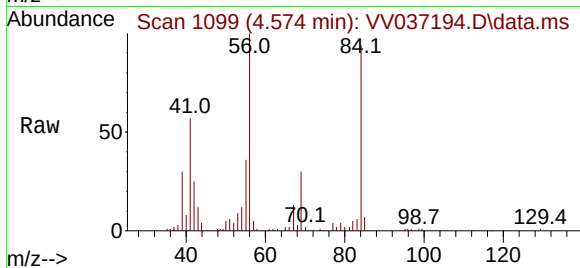
Tgt Ion: 56 Resp: 56256

Ion Ratio Lower Upper

56 100

69 29.4 24.3 36.5

84 89.2 71.1 106.7



#30

1,1,1-Trichloroethane

Concen: 5.059 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.010 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

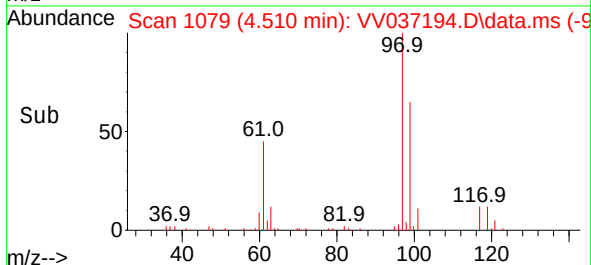
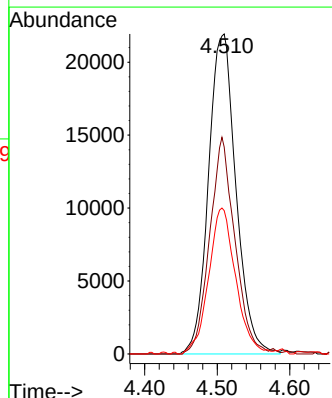
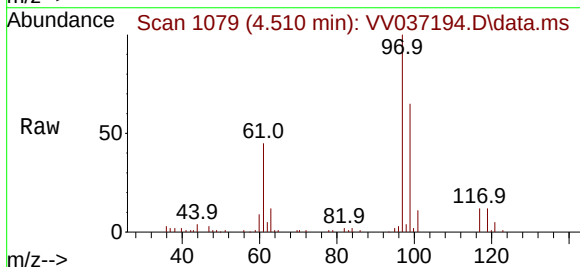
Tgt Ion: 97 Resp: 57843

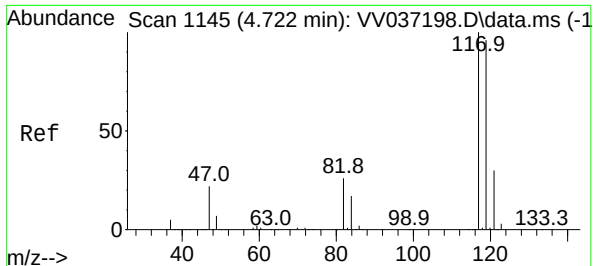
Ion Ratio Lower Upper

97 100

99 62.1 51.5 77.3

61 44.6 35.4 53.2

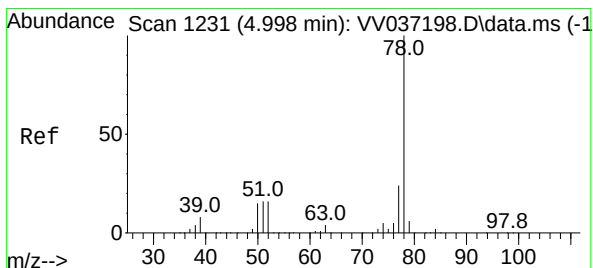
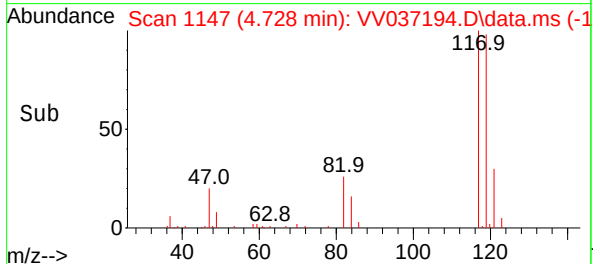
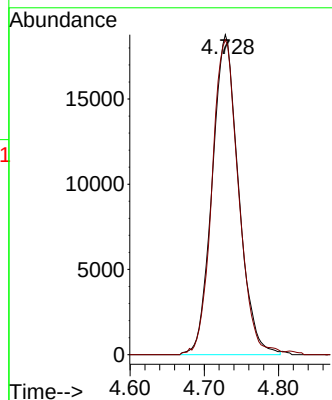
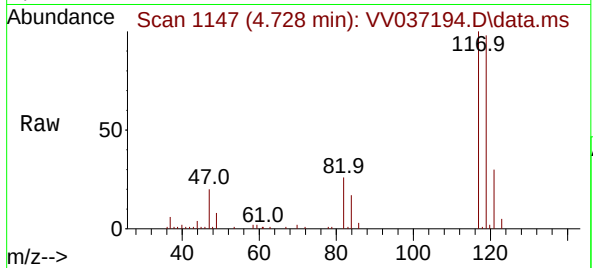




#31
Carbon tetrachloride
Concen: 4.787 ug/L
RT: 4.728 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VV037194.D
Acq: 04 Sep 2024 12:08

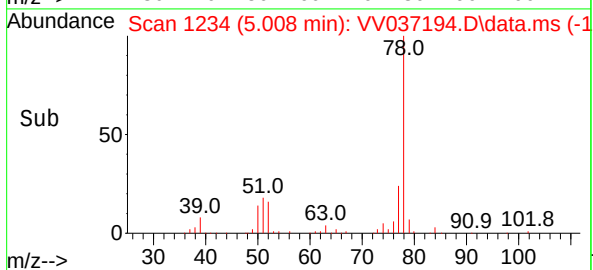
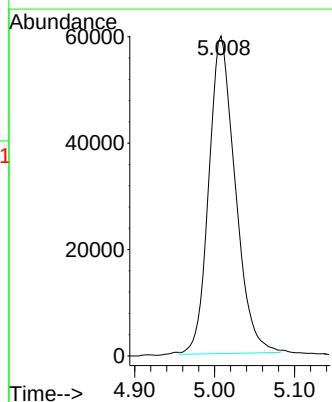
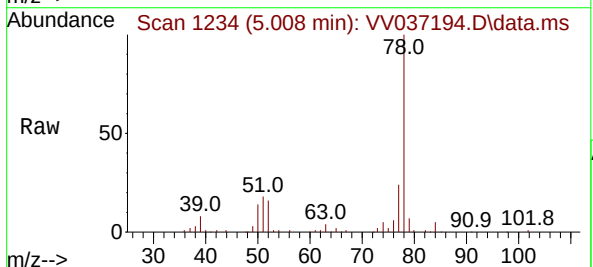
Instrument :
MSVOA_V
ClientSampleId :

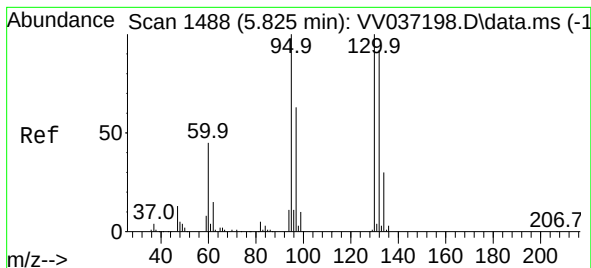
Tgt Ion:117 Resp: 46272
Ion Ratio Lower Upper
117 100
119 97.5 76.2 114.4



#33
Benzene
Concen: 4.749 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.010 min
Lab File: VV037194.D
Acq: 04 Sep 2024 12:08

Tgt Ion: 78 Resp: 137176





#34

Trichloroethene

Concen: 4.768 ug/L

RT: 5.834 min Scan# 1488

Delta R.T. 0.010 min

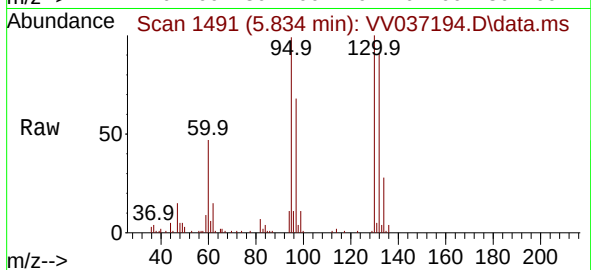
Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 37481

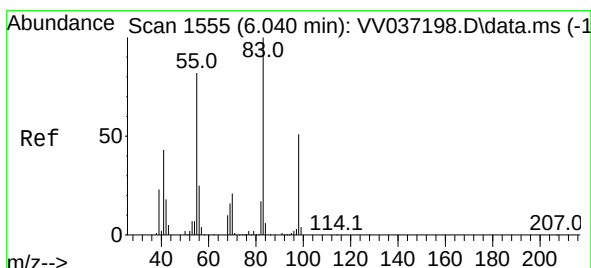
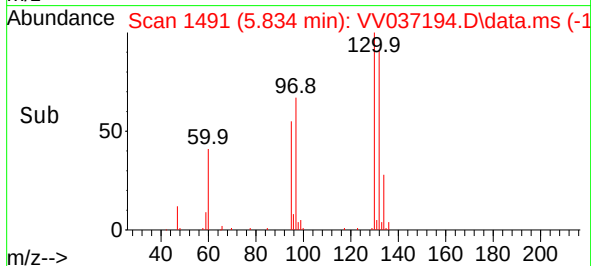
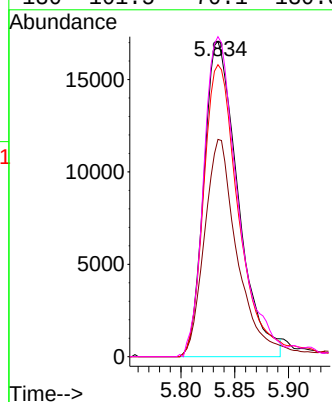
Ion Ratio Lower Upper

95 100

97 68.9 44.0 81.6

132 92.6 64.3 119.5

130 101.5 70.1 130.3



#35

Methylcyclohexane

Concen: 4.933 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.003 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

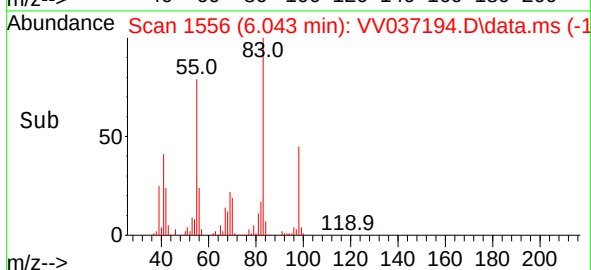
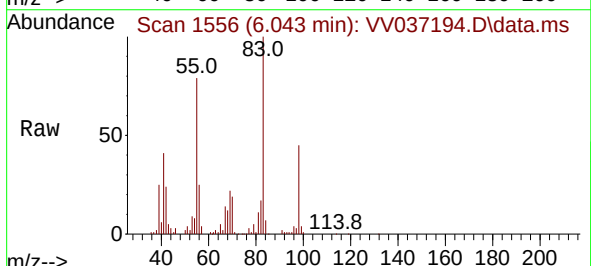
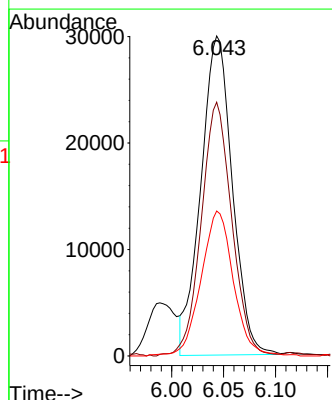
Tgt Ion: 83 Resp: 63185

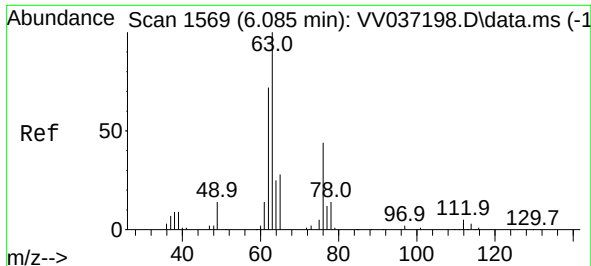
Ion Ratio Lower Upper

83 100

55 75.8 61.6 92.4

98 46.7 38.5 57.7

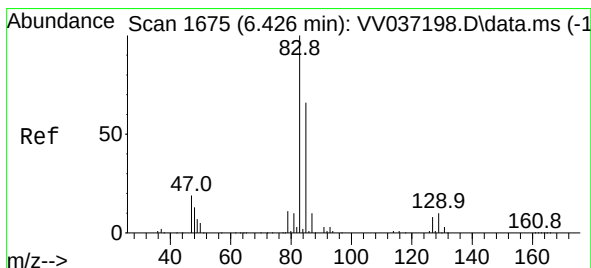
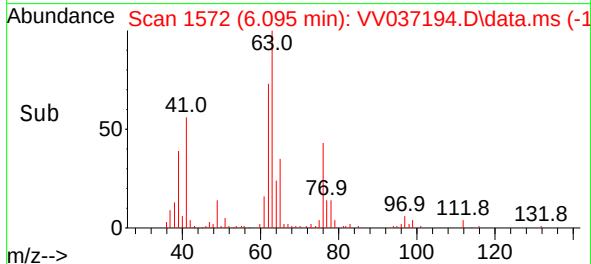
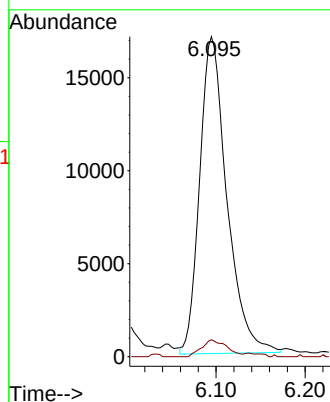
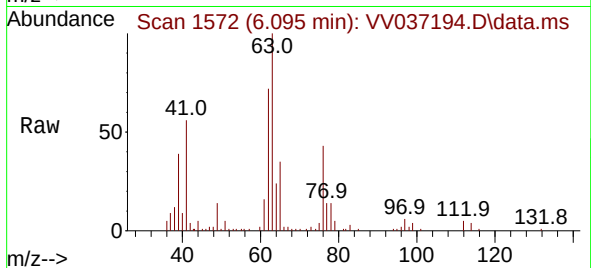




#37
1,2-Dichloropropane
Concen: 4.834 ug/L
RT: 6.095 min Scan# 1569
Delta R.T. 0.010 min
Lab File: VV037194.D
Acq: 04 Sep 2024 12:08

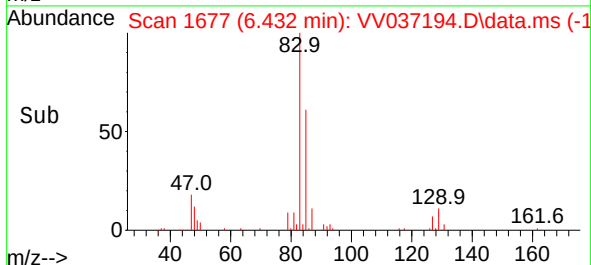
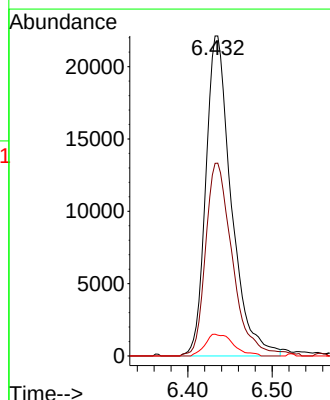
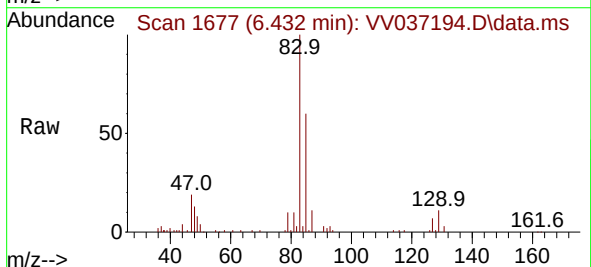
Instrument :
MSVOA_V
ClientSampleId :

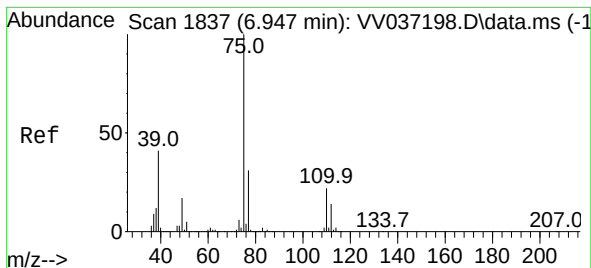
Tgt Ion: 63 Resp: 36204
Ion Ratio Lower Upper
63 100
112 4.9 3.8 5.6



#38
Bromodichloromethane
Concen: 4.930 ug/L
RT: 6.432 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VV037194.D
Acq: 04 Sep 2024 12:08

Tgt Ion: 83 Resp: 46618
Ion Ratio Lower Upper
83 100
85 60.2 45.9 85.3
127 6.8 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 4.628 ug/L

RT: 6.956 min Scan# 11

Delta R.T. 0.010 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

Instrument :

MSVOA_V

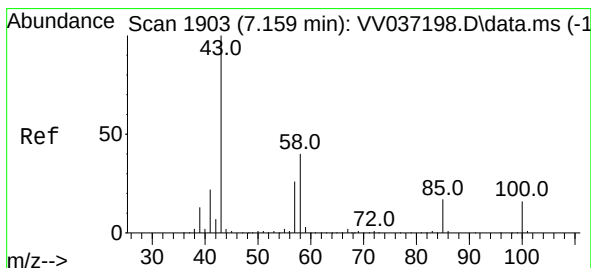
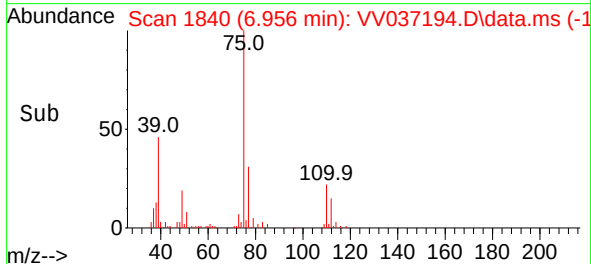
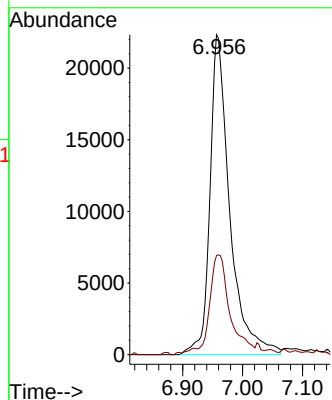
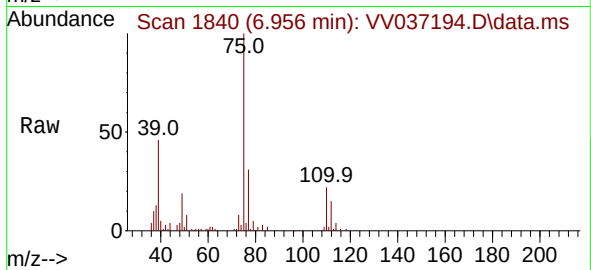
ClientSampleId :

Tgt Ion: 75 Resp: 51310

Ion Ratio Lower Upper

75 100

77 31.0 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 9.442 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.013 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

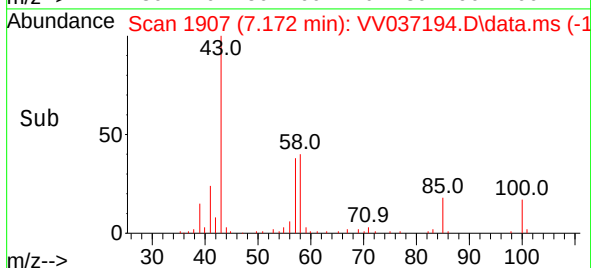
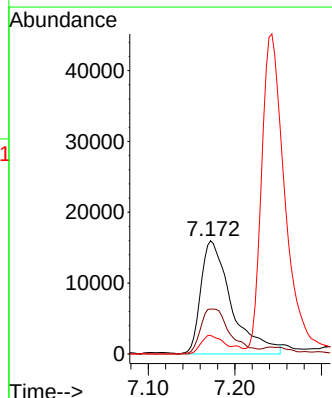
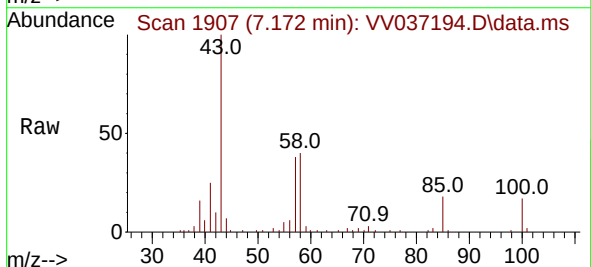
Tgt Ion: 43 Resp: 39442

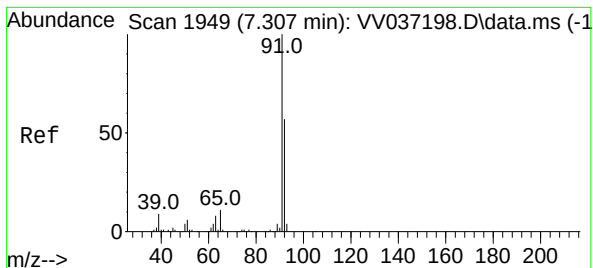
Ion Ratio Lower Upper

43 100

58 36.8 30.3 45.5

100 11.7 11.6 17.4





#42

Toluene

Concen: 4.760 ug/L

RT: 7.313 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

Instrument :

MSVOA_V

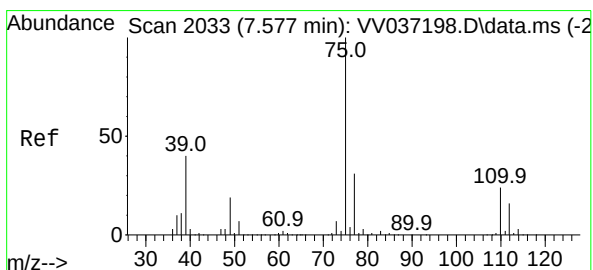
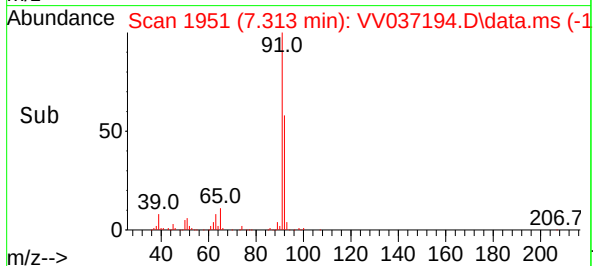
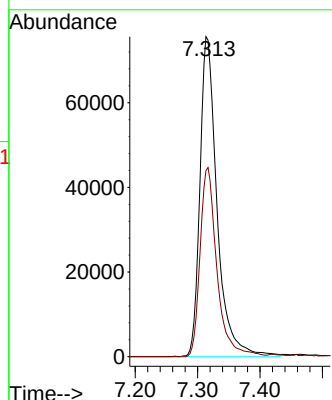
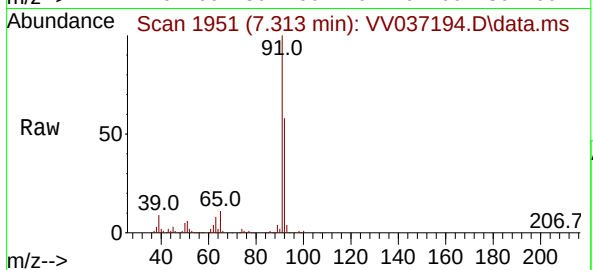
ClientSampleId :

Tgt Ion: 91 Resp: 144698

Ion Ratio Lower Upper

91 100

92 58.2 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 4.572 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.013 min

Lab File: VV037194.D

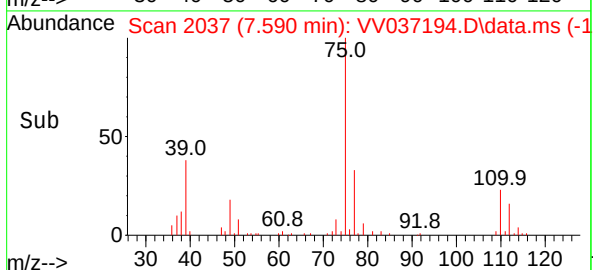
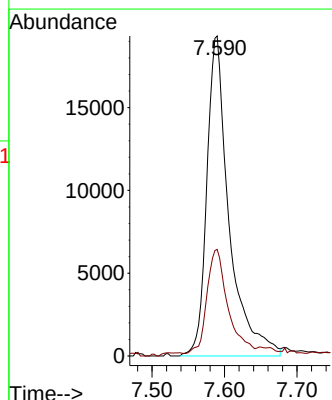
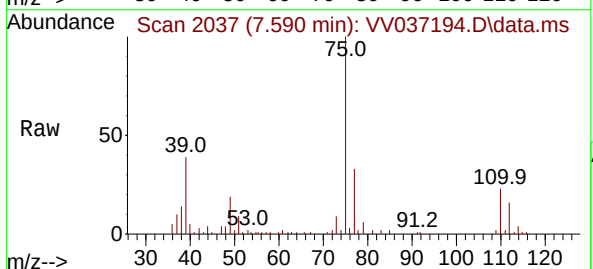
Acq: 04 Sep 2024 12:08

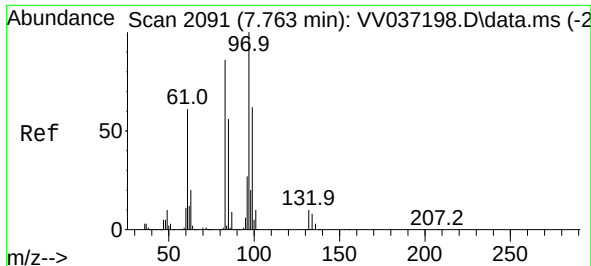
Tgt Ion: 75 Resp: 41194

Ion Ratio Lower Upper

75 100

77 33.3 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 4.841 ug/L

RT: 7.770 min Scan# 2091

Delta R.T. 0.006 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 27323

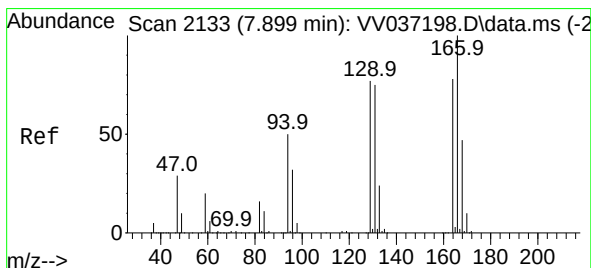
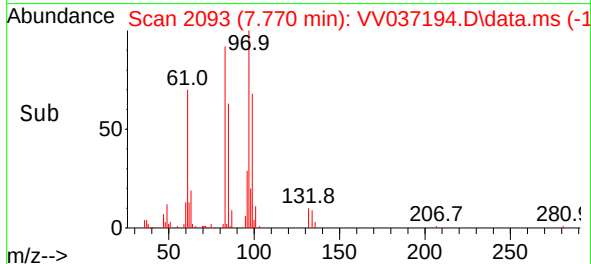
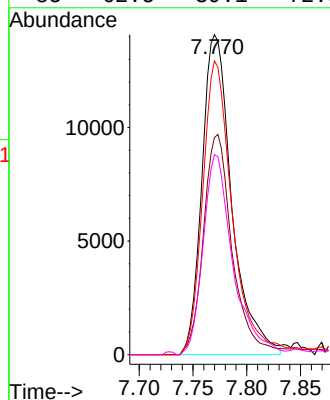
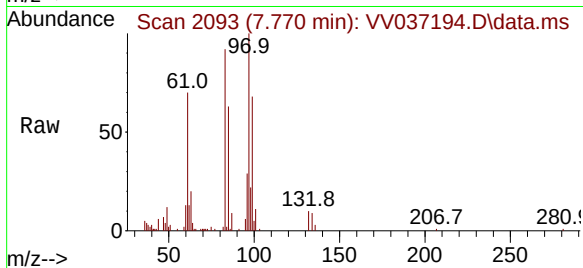
Ion Ratio Lower Upper

97 100

99 67.9 43.2 80.2

83 91.8 60.0 111.4

85 62.5 39.1 72.5



#46

Tetrachloroethene

Concen: 4.916 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.003 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

Tgt Ion: 164 Resp: 28408

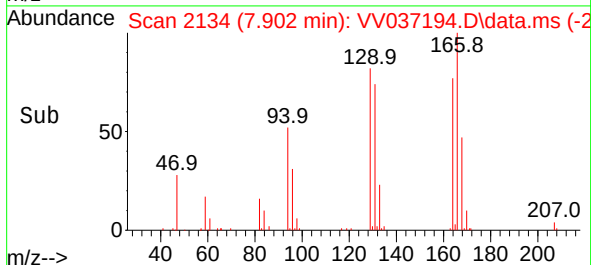
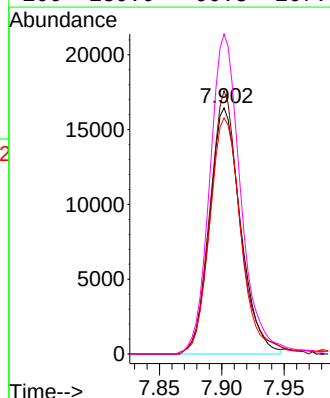
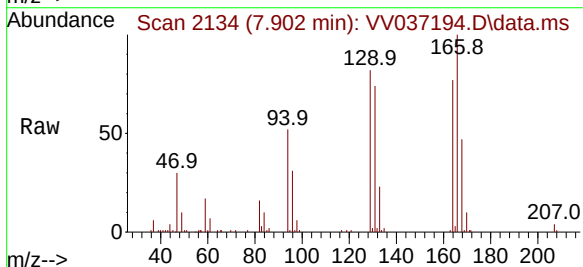
Ion Ratio Lower Upper

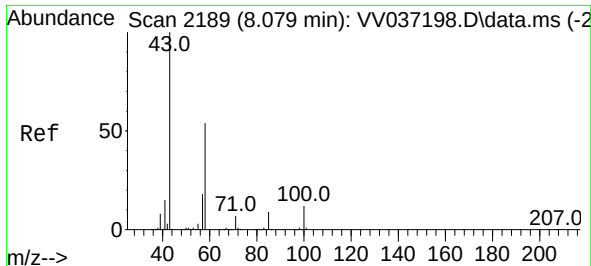
164 100

129 107.0 70.0 130.0

131 95.9 68.0 126.2

166 130.0 90.3 167.7





#48

2-Hexanone

Concen: 0.317 ug/L

RT: 8.059 min Scan# 2189

Delta R.T. -0.019 min

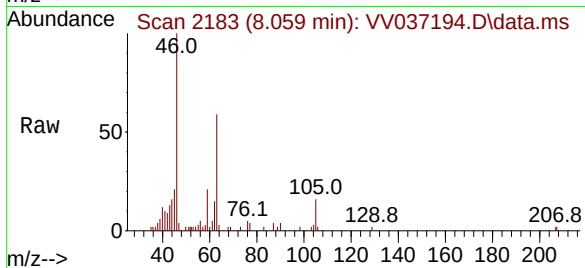
Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

Instrument :

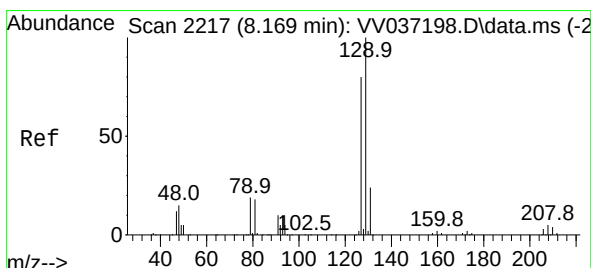
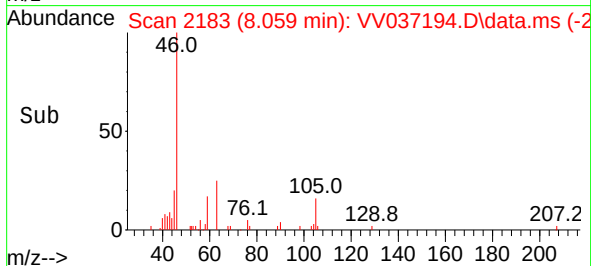
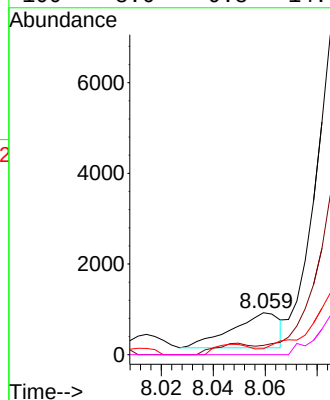
MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 991

Ion	Ratio	Lower	Upper
43	100		
58	0.0	42.9	64.3#
57	12.8	14.6	21.8#
100	8.6	9.8	14.6#



#49

Dibromochloromethane

Concen: 4.652 ug/L

RT: 8.175 min Scan# 2219

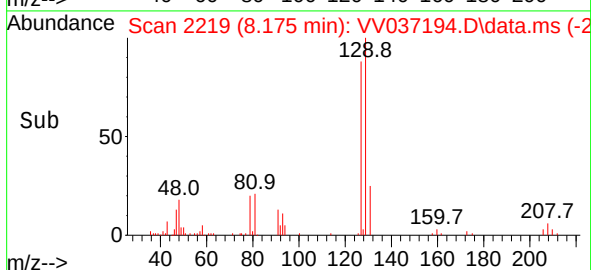
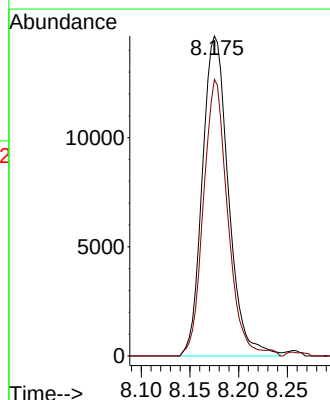
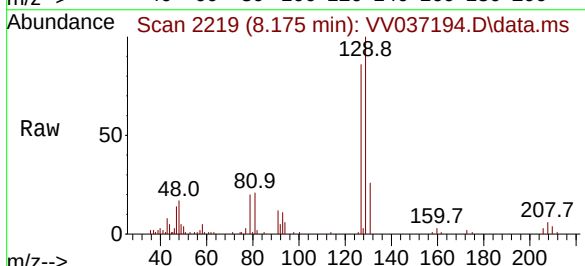
Delta R.T. 0.006 min

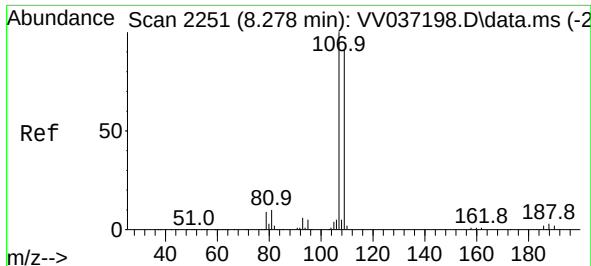
Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

Tgt Ion: 129 Resp: 27325

Ion	Ratio	Lower	Upper
129	100		
127	86.5	56.0	104.0

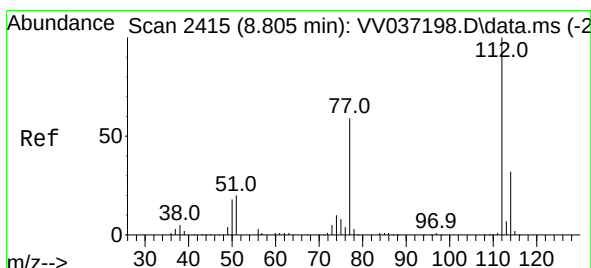
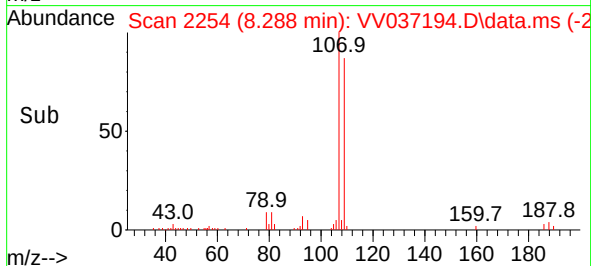
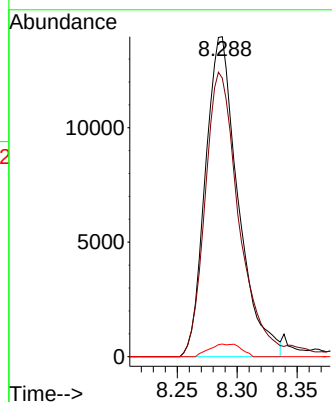
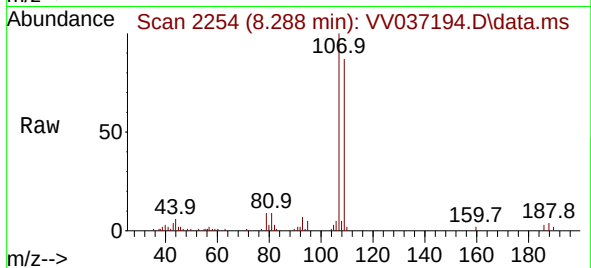




#50
1,2-Dibromoethane
Concen: 4.925 ug/L
RT: 8.288 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV037194.D
Acq: 04 Sep 2024 12:08

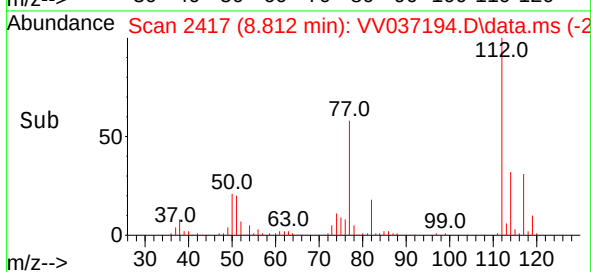
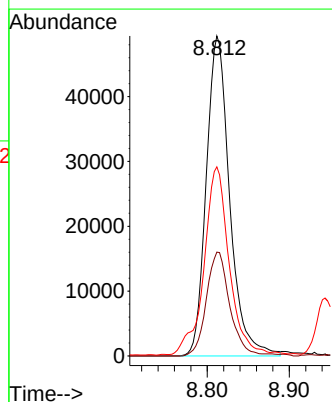
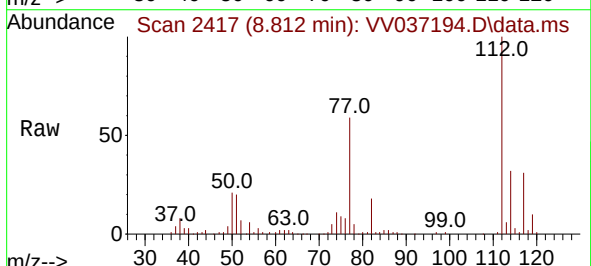
Instrument :
MSVOA_V
ClientSampleId :

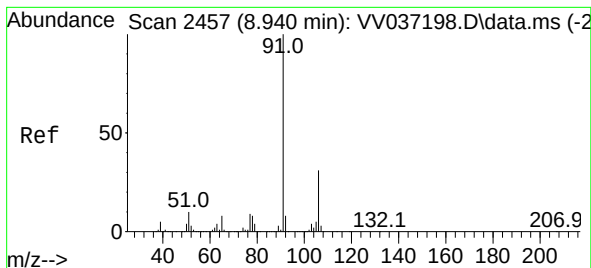
Tgt Ion:107 Resp: 26563
Ion Ratio Lower Upper
107 100
109 87.0 63.5 117.9
188 3.9 2.5 3.7#



#51
Chlorobenzene
Concen: 4.923 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.006 min
Lab File: VV037194.D
Acq: 04 Sep 2024 12:08

Tgt Ion:112 Resp: 97935
Ion Ratio Lower Upper
112 100
114 32.4 22.4 41.6
77 59.1 47.5 71.3





#52

Ethylbenzene

Concen: 4.783 ug/L

RT: 8.944 min Scan# 2457

Delta R.T. 0.003 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

Instrument :

MSVOA_V

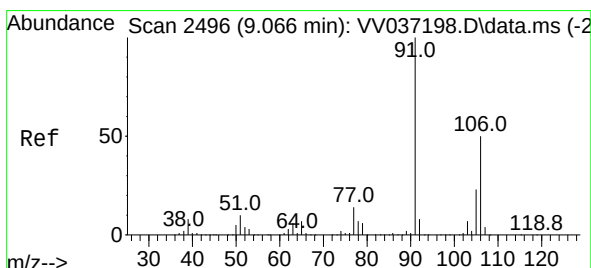
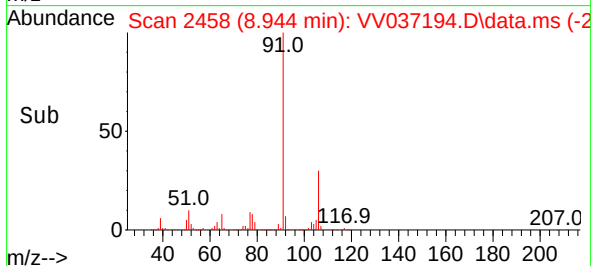
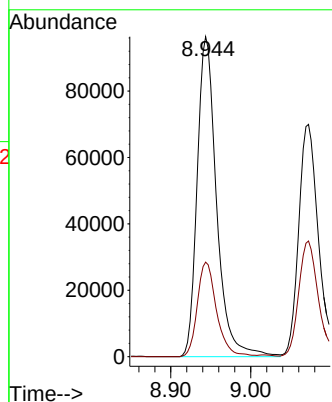
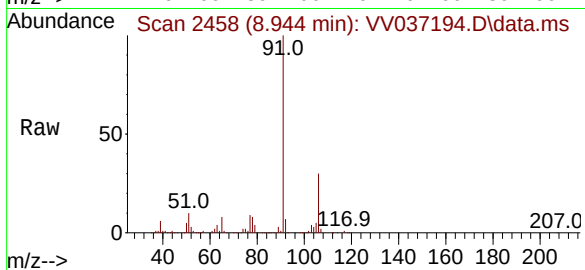
ClientSampleId :

Tgt Ion: 91 Resp: 162811

Ion Ratio Lower Upper

91 100

106 29.5 21.5 39.9



#53

m,p-Xylene

Concen: 4.736 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.006 min

Lab File: VV037194.D

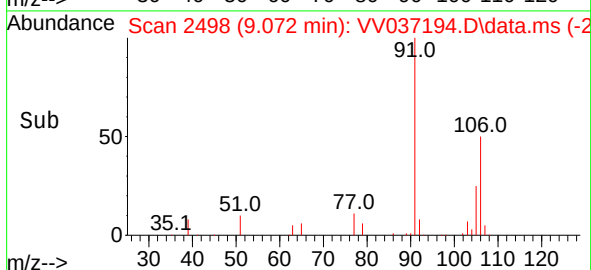
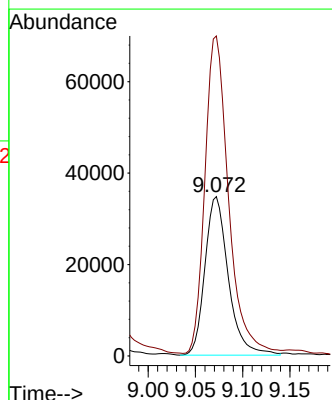
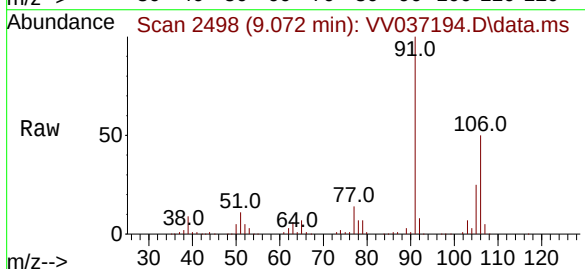
Acq: 04 Sep 2024 12:08

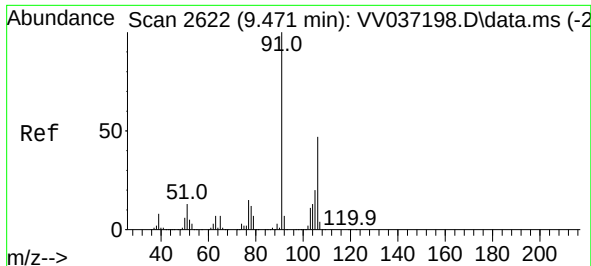
Tgt Ion:106 Resp: 59807

Ion Ratio Lower Upper

106 100

91 200.9 141.6 263.0





#54

o-Xylene

Concen: 4.564 ug/L

RT: 9.474 min Scan# 2622

Delta R.T. 0.003 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

Instrument :

MSVOA_V

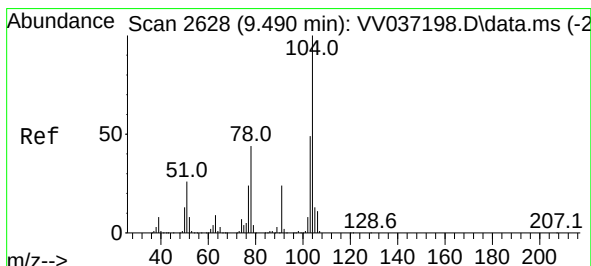
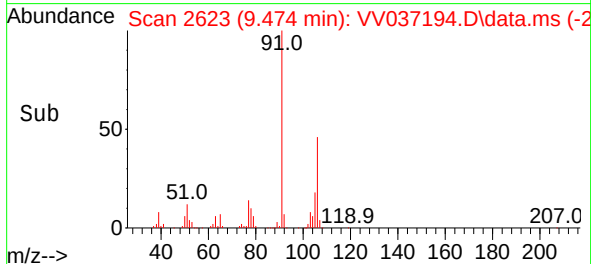
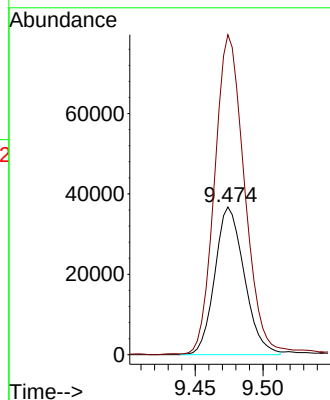
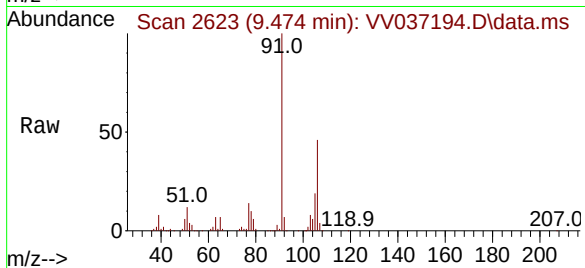
ClientSampleId :

Tgt Ion:106 Resp: 55529

Ion Ratio Lower Upper

106 100

91 216.6 150.4 279.4



#55

Styrene

Concen: 4.435 ug/L

RT: 9.497 min Scan# 2630

Delta R.T. 0.006 min

Lab File: VV037194.D

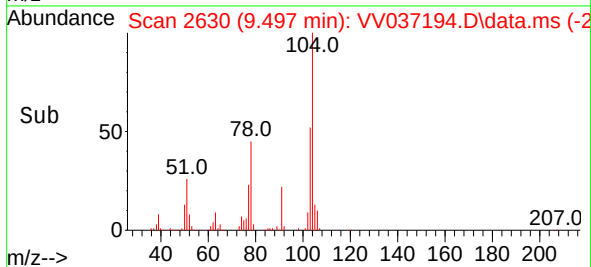
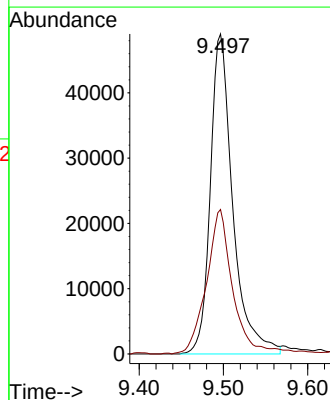
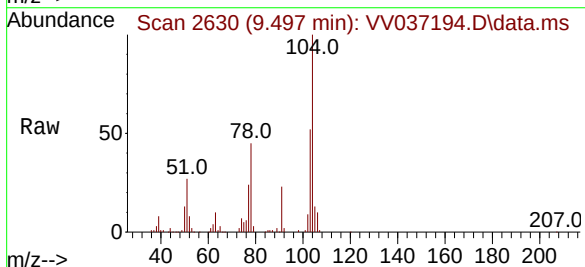
Acq: 04 Sep 2024 12:08

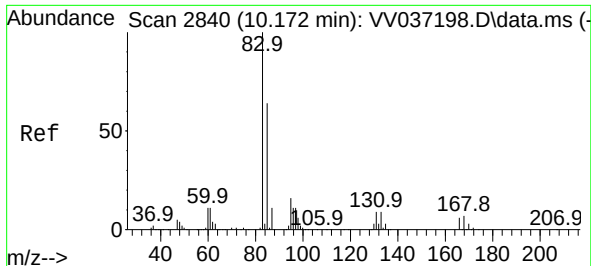
Tgt Ion:104 Resp: 90657

Ion Ratio Lower Upper

104 100

78 45.2 30.6 56.8





#57

1,1,2,2-Tetrachloroethane

Concen: 4.813 ug/L

RT: 10.175 min Scan# 2840

Delta R.T. 0.003 min

Lab File: VV037194.D

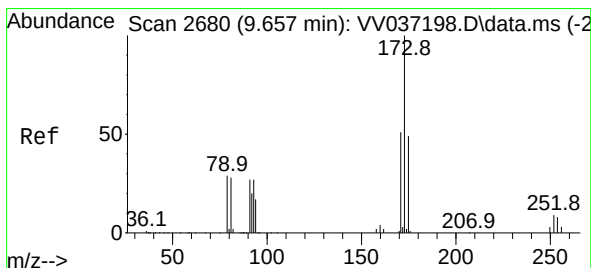
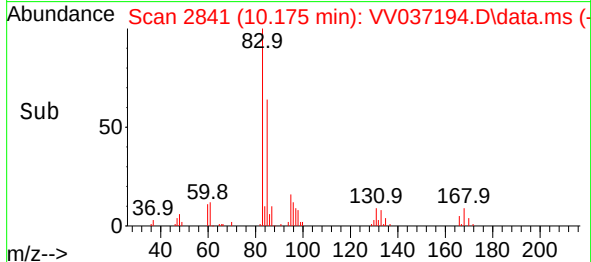
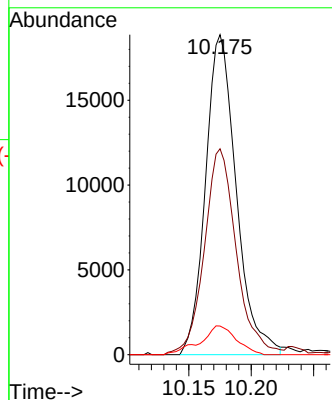
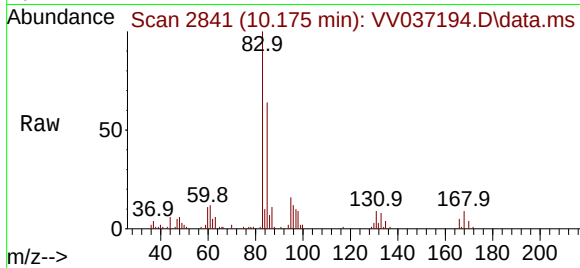
Acq: 04 Sep 2024 12:08

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	32373
Ion	Ratio	Lower	Upper
83	100		
85	64.4	44.9	83.3
131	8.9	7.1	10.7



#59

Bromoform

Concen: 4.605 ug/L

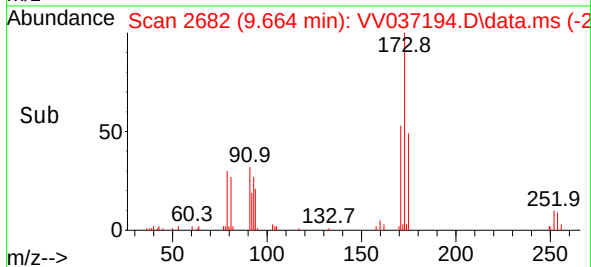
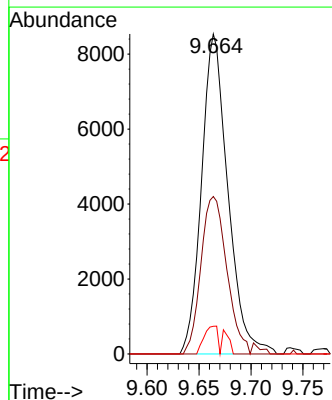
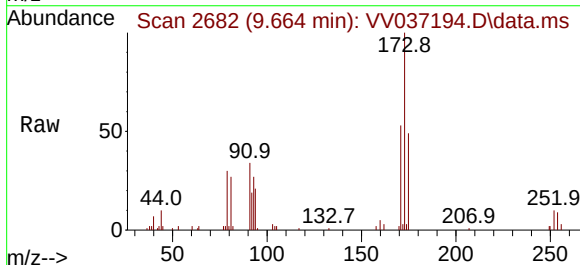
RT: 9.664 min Scan# 2682

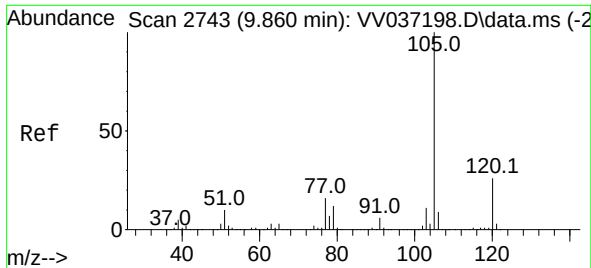
Delta R.T. 0.006 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

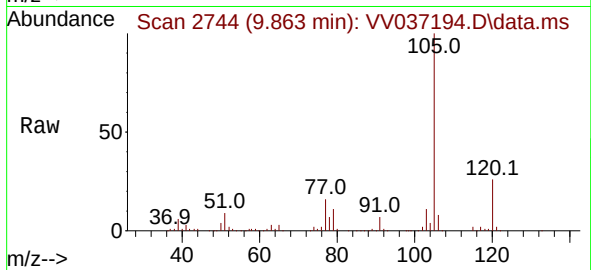
Tgt Ion:	173	Resp:	15053
Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.6	57.8
254	4.4	6.6	9.8#



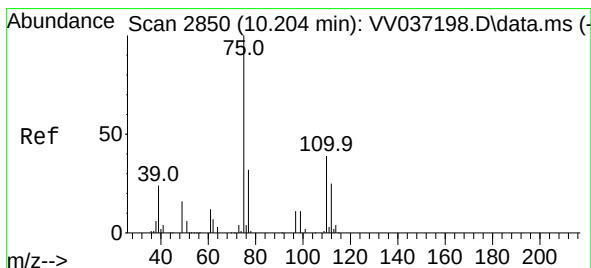
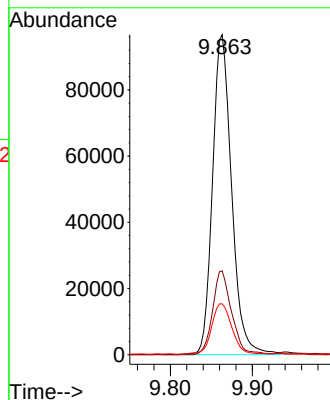
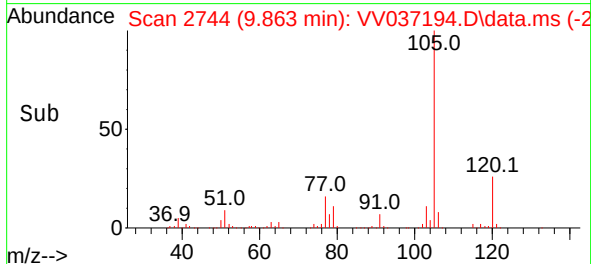


#60
Isopropylbenzene
Concen: 4.688 ug/L
RT: 9.863 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV037194.D
Acq: 04 Sep 2024 12:08

Instrument :
MSVOA_V
ClientSampleId :

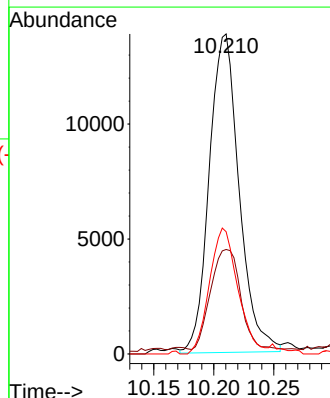
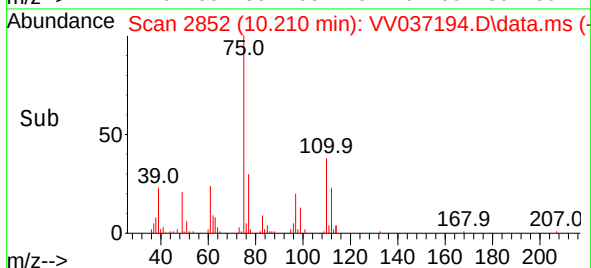
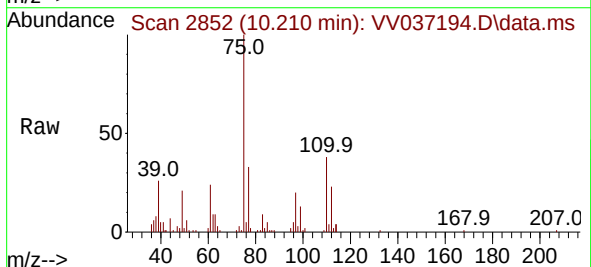


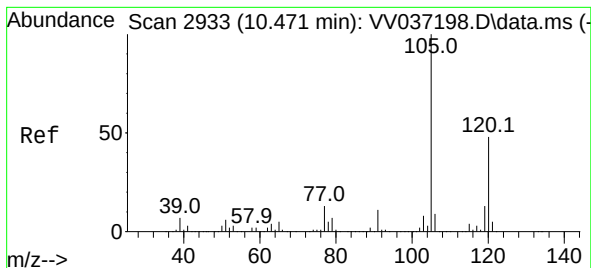
Tgt Ion:105 Resp: 156726
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0
77 16.5 12.4 18.6



#61
1,2,3-Trichloropropane
Concen: 5.067 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.006 min
Lab File: VV037194.D
Acq: 04 Sep 2024 12:08

Tgt Ion: 75 Resp: 24035
Ion Ratio Lower Upper
75 100
77 31.0 24.6 36.8
110 37.6 30.8 46.2





#62

1,3,5-Trimethylbenzene

Concen: 4.443 ug/L

RT: 10.471 min Scan# 20

Delta R.T. 0.000 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

Instrument :

MSVOA_V

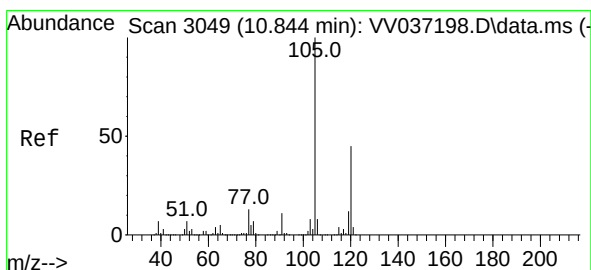
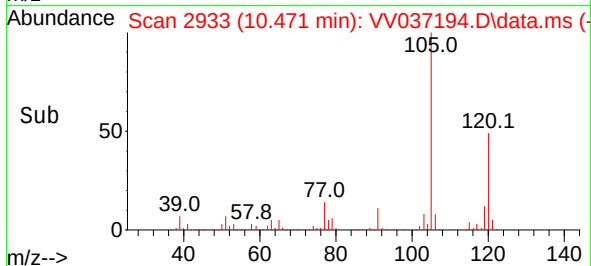
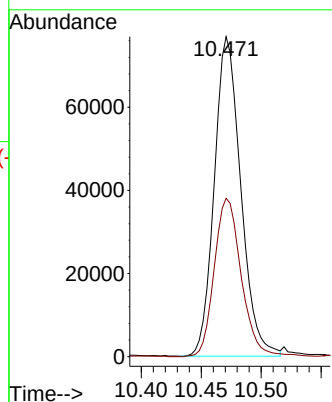
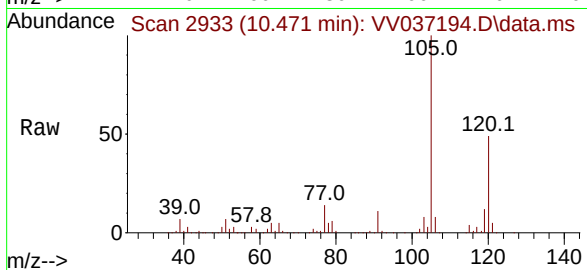
ClientSampleId :

Tgt Ion:105 Resp: 117953

Ion Ratio Lower Upper

105 100

120 50.7 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 4.443 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VV037194.D

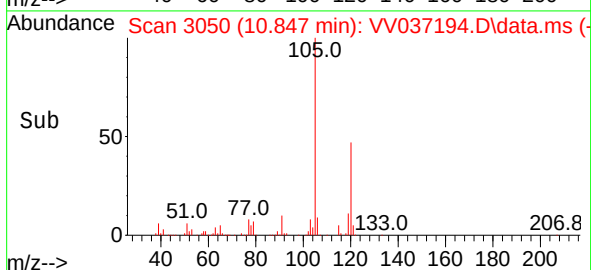
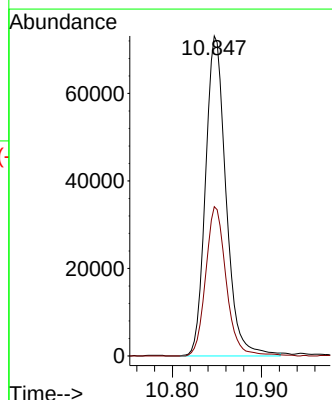
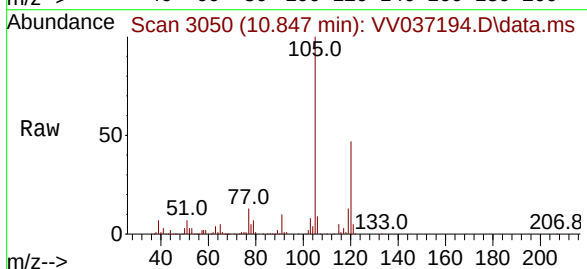
Acq: 04 Sep 2024 12:08

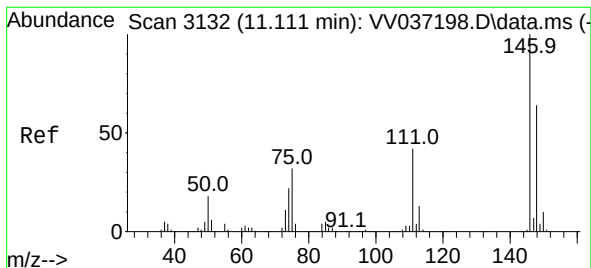
Tgt Ion:105 Resp: 116983

Ion Ratio Lower Upper

105 100

120 46.4 35.8 53.6





#64

1,3-Dichlorobenzene

Concen: 4.844 ug/L

RT: 11.114 min Scan# 3132

Delta R.T. 0.003 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

Instrument :

MSVOA_V

ClientSampleId :

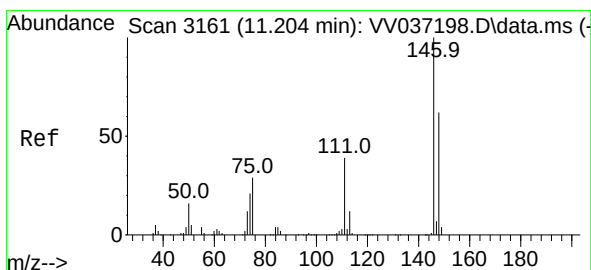
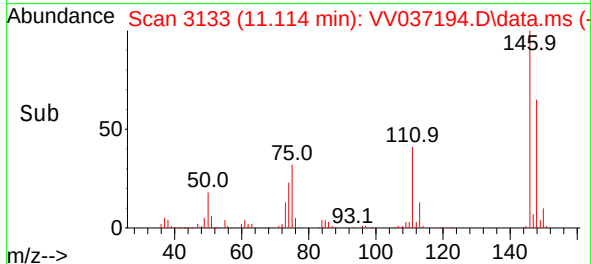
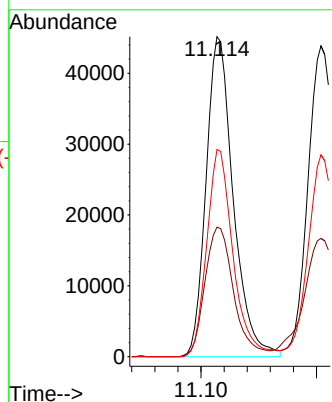
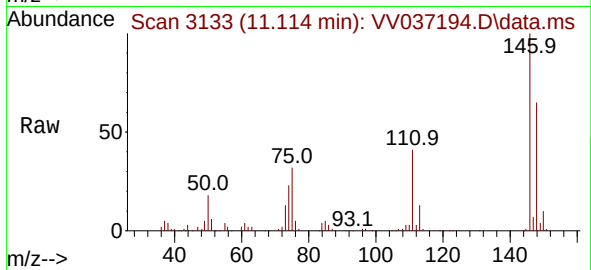
Tgt Ion:146 Resp: 73839

Ion Ratio Lower Upper

146 100

111 40.5 29.7 55.1

148 64.8 45.0 83.6



#65

1,4-Dichlorobenzene

Concen: 4.795 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

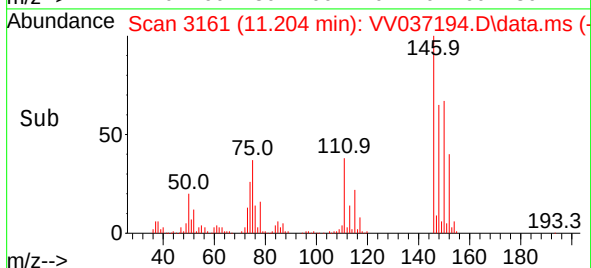
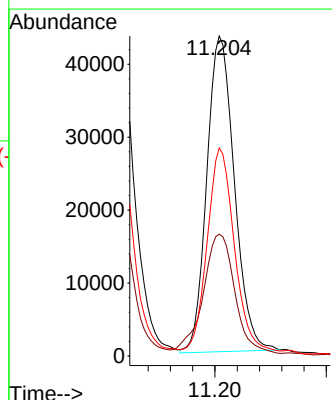
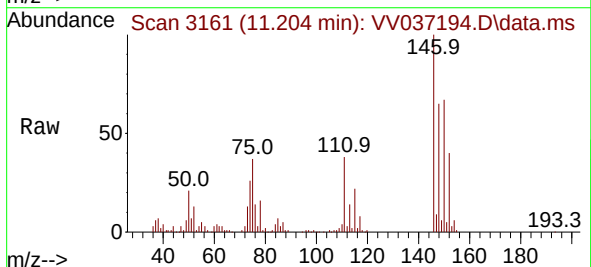
Tgt Ion:146 Resp: 74517

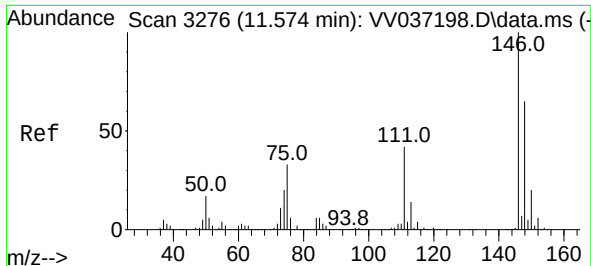
Ion Ratio Lower Upper

146 100

111 38.0 27.6 51.4

148 65.0 43.3 80.5





#67

1,2-Dichlorobenzene

Concen: 4.815 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. 0.000 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

Instrument :

MSVOA_V

ClientSampleId :

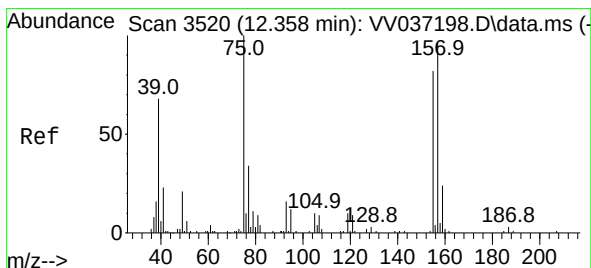
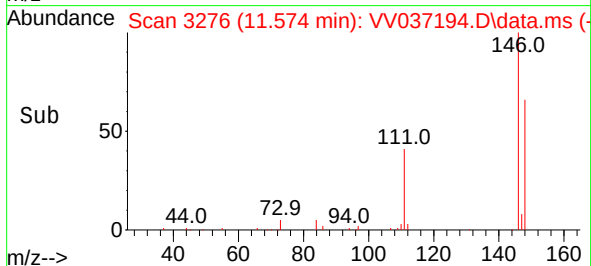
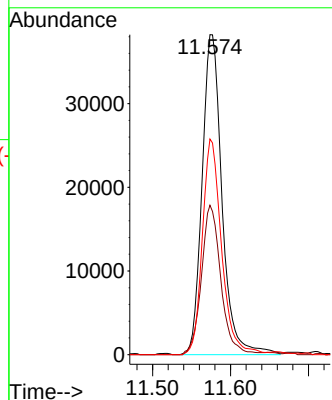
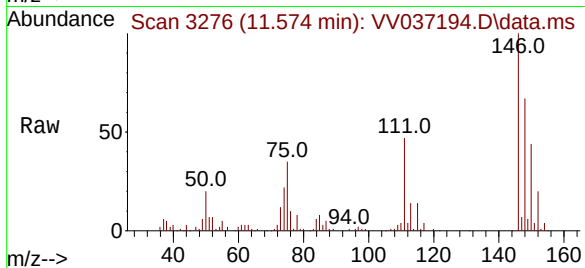
Tgt Ion:146 Resp: 68080

Ion Ratio Lower Upper

146 100

111 46.7 34.1 51.1

148 67.4 51.8 77.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.813 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.003 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

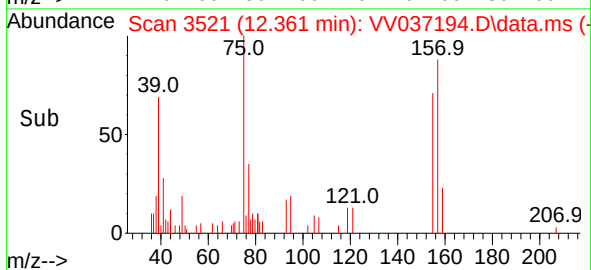
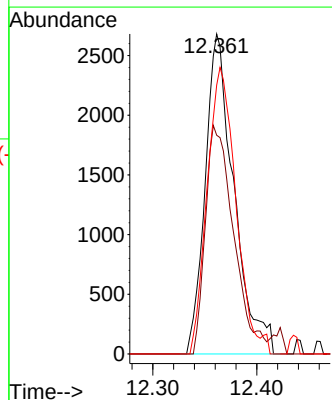
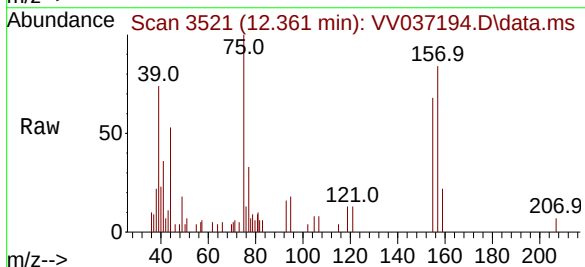
Tgt Ion: 75 Resp: 5153

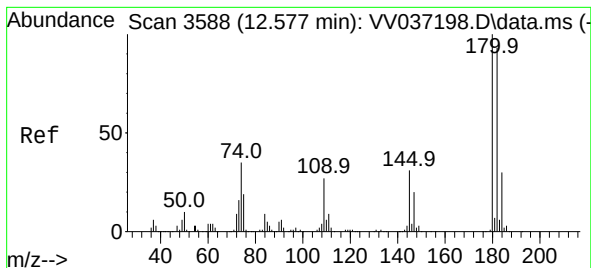
Ion Ratio Lower Upper

75 100

155 68.4 65.6 98.4

157 84.0 76.9 115.3





#69

1,3,5-Trichlorobenzene

Concen: 4.861 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.000 min

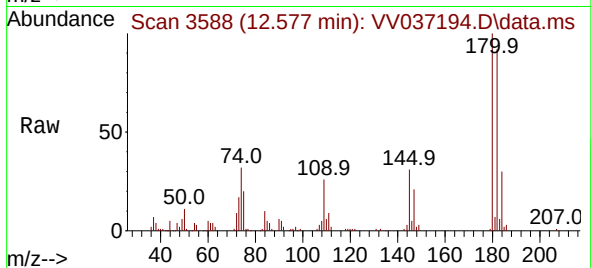
Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 52573

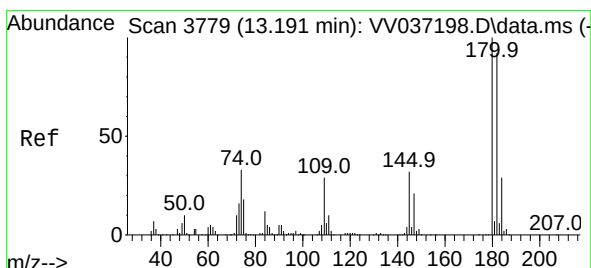
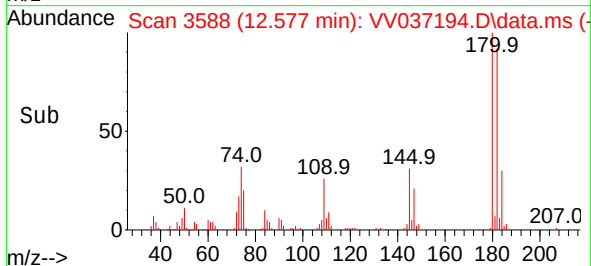
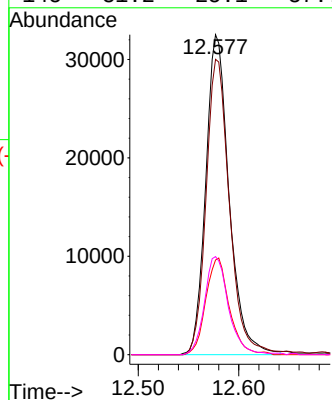
Ion Ratio Lower Upper

180 100

182 92.3 74.6 111.8

184 30.1 23.8 35.8

145 31.2 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 4.775 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.003 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

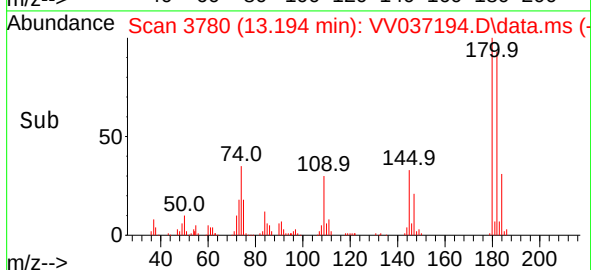
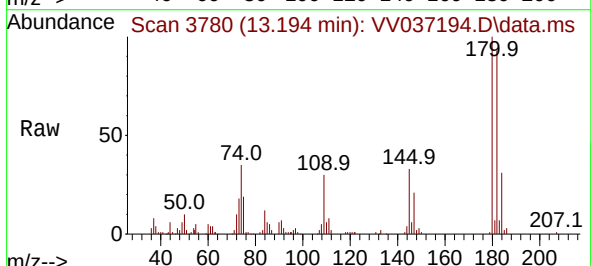
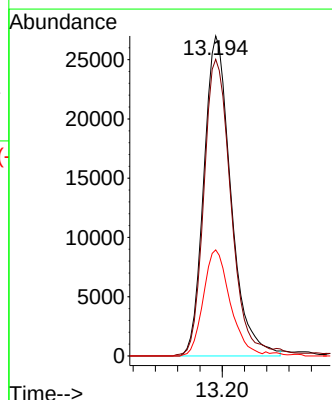
Tgt Ion:180 Resp: 45588

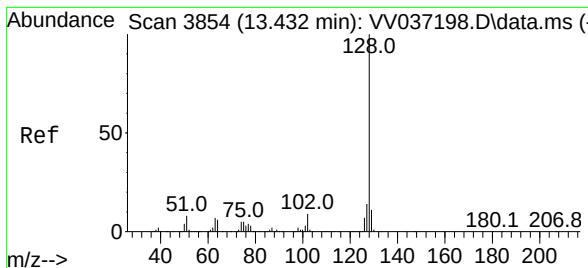
Ion Ratio Lower Upper

180 100

182 92.5 74.9 112.3

145 32.7 25.4 38.0





#71

Naphthalene

Concen: 4.436 ug/L

RT: 13.435 min Scan# 3854

Delta R.T. 0.003 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

Instrument :

MSVOA_V

ClientSampleId :

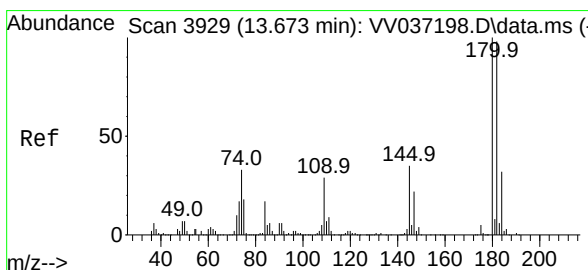
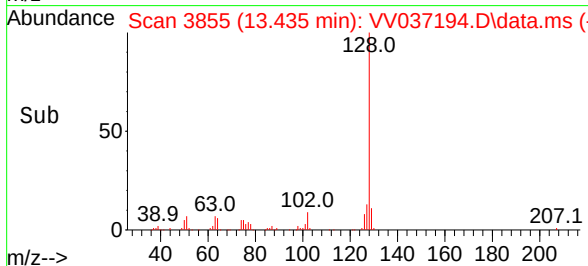
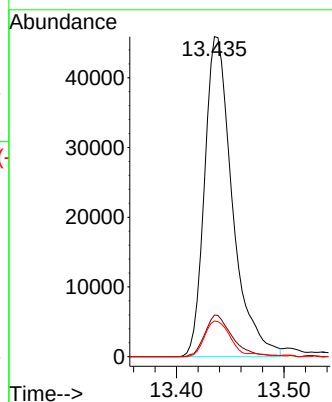
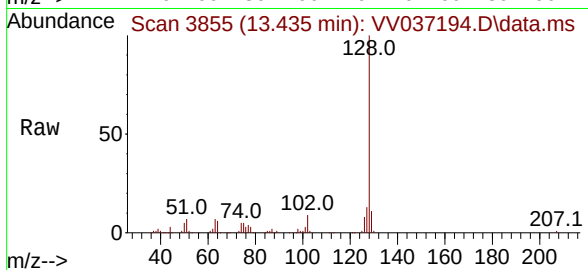
Tgt Ion:128 Resp: 82630

Ion Ratio Lower Upper

128 100

127 12.7 10.5 15.7

129 10.0 8.2 12.2



#72

1,2,3-Trichlorobenzene

Concen: 4.974 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. 0.000 min

Lab File: VV037194.D

Acq: 04 Sep 2024 12:08

Tgt Ion:180 Resp: 43610

Ion Ratio Lower Upper

180 100

182 89.4 78.0 117.0

145 33.9 27.9 41.9

