

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071224\
 Data File : VV036516.D
 Acq On : 12 Jul 2024 18:52
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 13 04:12:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 13 04:06:53 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	262798	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	284498	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	168289	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	90974	24.163	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.640%
7) Chloroethane-d5	1.526	69	81146	24.651	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.600%
11) 1,1-Dichloroethene-d2	2.050	65	46176	23.883	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.520%
21) 2-Butanone-d5	3.844	46	11089	17.208	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	34.420%
24) Chloroform-d	4.243	84	197491	25.818	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.280%
26) 1,2-Dichloroethane-d4	4.937	65	100947	26.607	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.440%
32) Benzene-d6	4.953	84	358014	25.224	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.880%
36) 1,2-Dichloropropane-d6	5.986	67	105319	24.898	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.600%
41) Toluene-d8	7.240	98	349324	26.674	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.680%
43) trans-1,3-Dichloroprop...	7.551	79	45712	25.992	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.960%
47) 2-Hexanone-d5	8.034	63	26869	57.193	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.380%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	90781	25.483	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.920%
66) 1,2-Dichlorobenzene-d4	11.558	152	143211	25.076	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	81901	21.504	ug/L	100
3) Chloromethane	1.211	50	68599	22.444	ug/L	98
5) Vinyl chloride	1.278	62	82689	21.986	ug/L	99
6) Bromomethane	1.484	94	70562	23.252	ug/L	100
8) Chloroethane	1.545	64	59817	22.990	ug/L	98
9) Trichlorofluoromethane	1.706	101	152947	22.913	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	104453	23.207	ug/L	99
12) 1,1-Dichloroethene	2.063	96	88309	22.747	ug/L	87
14) Carbon disulfide	2.233	76	171148	19.635	ug/L	100
15) Methyl Acetate	2.388	43	35713	29.014	ug/L	99
16) Methylene chloride	2.439	84	124105	22.970	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	84114	23.842	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	222236	28.111	ug/L	99
19) 1,1-Dichloroethane	3.105	63	164094	25.696	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	93766	25.571	ug/L	98
22) 2-Butanone	3.921	43	32230	42.137	ug/L	97
23) Bromochloromethane	4.143	128	57117	27.425	ug/L	98
25) Chloroform	4.269	83	202493	26.705	ug/L	99
27) 1,2-Dichloroethane	5.037	62	119993	28.171	ug/L	99

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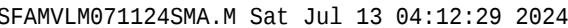
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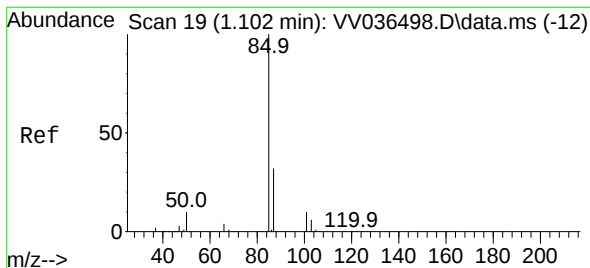
Quant Time: Jul 13 04:12:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 13 04:06:53 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.577	56	75754	20.931	ug/L	100
30) 1,1,1-Trichloroethane	4.507	97	156939	23.730	ug/L	100
31) Carbon tetrachloride	4.728	117	137255	23.401	ug/L	100
33) Benzene	5.005	78	360156	25.581	ug/L	100
34) Trichloroethene	5.828	95	111070	24.791	ug/L	98
35) Methylcyclohexane	6.047	83	111787	21.863	ug/L	99
37) 1,2-Dichloropropane	6.088	63	92402	26.006	ug/L	99
38) Bromodichloromethane	6.429	83	145148	25.782	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	139907	25.535	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	91270	56.525	ug/L	96
42) Toluene	7.314	91	404078	27.086	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	131474	26.913	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	96057	27.435	ug/L	98
46) Tetrachloroethene	7.902	164	86433	23.860	ug/L	98
48) 2-Hexanone	8.079	43	67437	56.303	ug/L	95
49) Dibromochloromethane	8.172	129	114661	27.082	ug/L	99
50) 1,2-Dibromoethane	8.281	107	91922	27.974	ug/L	99
51) Chlorobenzene	8.812	112	288311	25.805	ug/L	98
52) Ethylbenzene	8.944	91	412704	25.790	ug/L	99
53) m,p-Xylene	9.072	106	165799	26.910	ug/L	99
54) o-Xylene	9.477	106	159556	27.200	ug/L	98
55) Styrene	9.493	104	310515	29.586	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	84588	26.457	ug/L	99
59) Bromoform	9.664	173	78095	26.183	ug/L	97
60) Isopropylbenzene	9.863	105	424635	25.257	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	77718	25.956	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	301842	25.070	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	344123	26.267	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	253893	25.545	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	266626	24.983	ug/L	100
67) 1,2-Dichlorobenzene	11.574	146	246819	25.843	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	18080	27.909	ug/L	98
69) 1,3,5-Trichlorobenzene	12.577	180	186512	24.236	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	150182	24.537	ug/L	99
71) Naphthalene	13.435	128	238011	25.892	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	156110	26.959	ug/L	100

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

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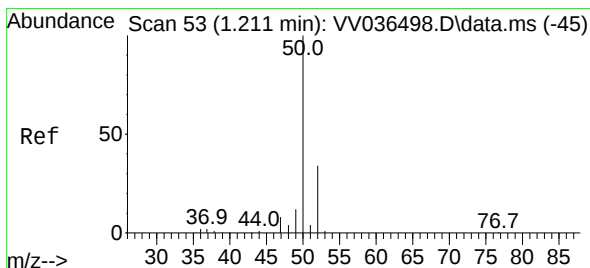
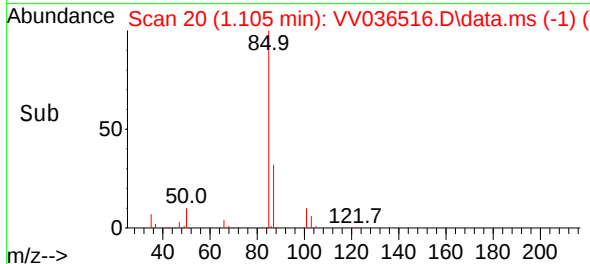
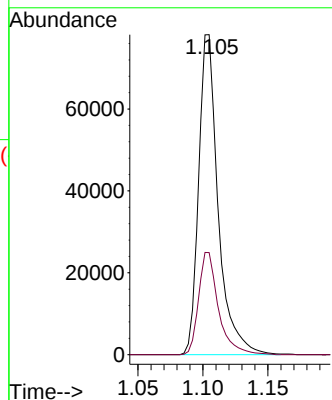
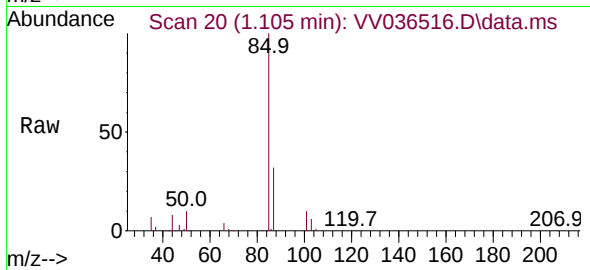




#2
 Dichlorodifluoromethane
 Concen: 21.504 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.003 min
 Lab File: VV036516.D
 Acq: 12 Jul 2024 18:52

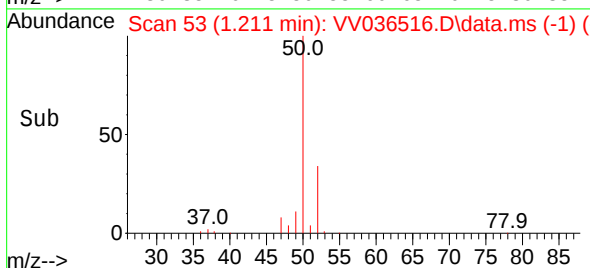
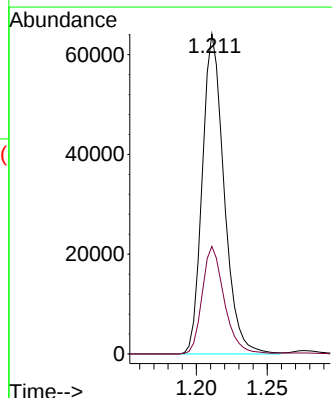
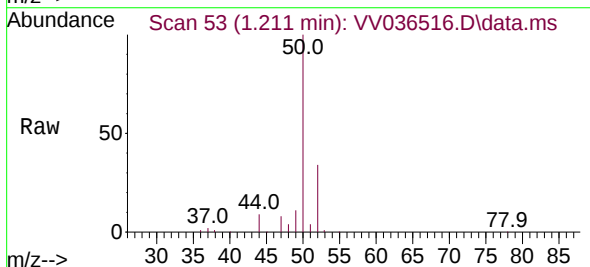
Instrument :
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 ClientSampleId :

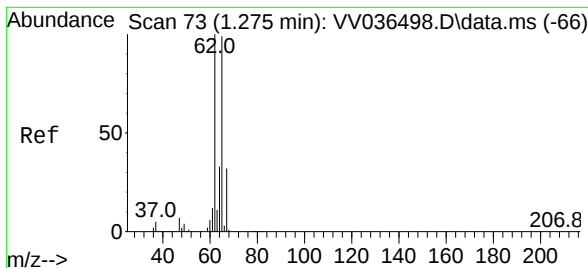
Tgt Ion: 85 Resp: 81901
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.2 39.2



#3
 Chloromethane
 Concen: 22.444 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. 0.000 min
 Lab File: VV036516.D
 Acq: 12 Jul 2024 18:52

Tgt Ion: 50 Resp: 68599
 Ion Ratio Lower Upper
 50 100
 52 33.6 24.4 45.4





#5

Vinyl chloride

Concen: 21.986 ug/L

RT: 1.278 min Scan# 74

Delta R.T. 0.003 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

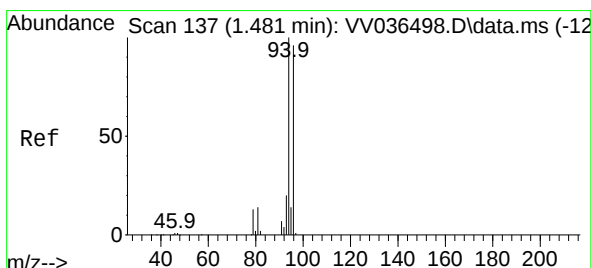
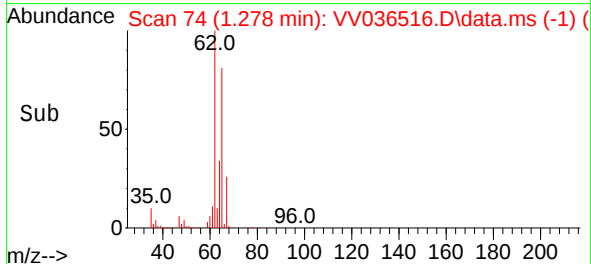
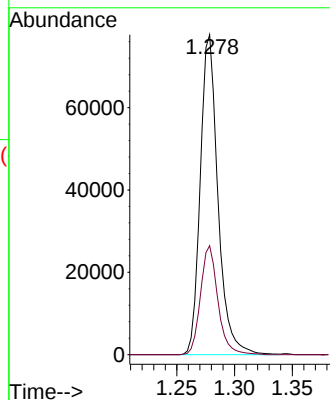
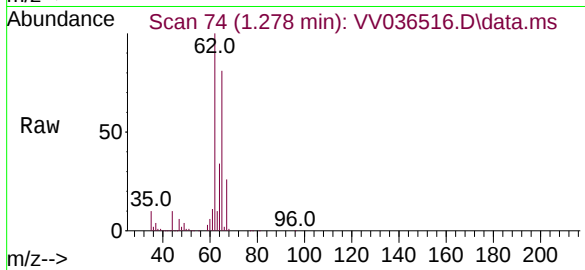
ClientSampleId :

Tgt Ion: 62 Resp: 82689

Ion Ratio Lower Upper

62 100

64 34.0 23.4 43.4



#6

Bromomethane

Concen: 23.252 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.003 min

Lab File: VV036516.D

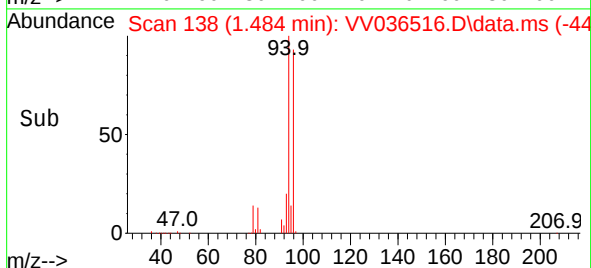
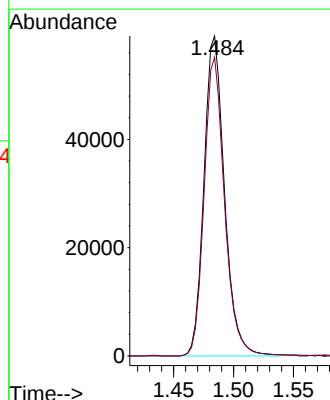
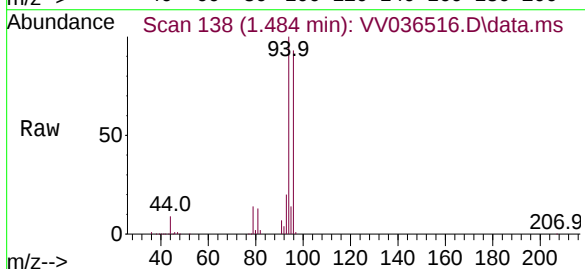
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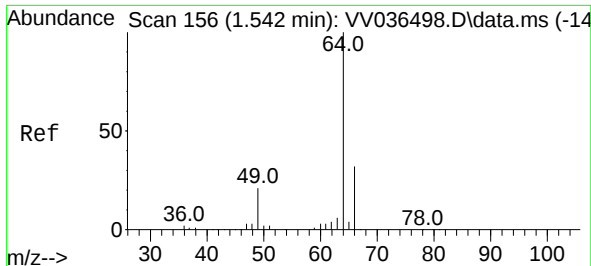
Tgt Ion: 94 Resp: 70562

Ion Ratio Lower Upper

94 100

96 93.4 65.6 121.8

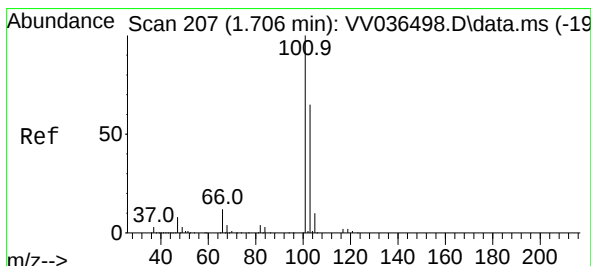
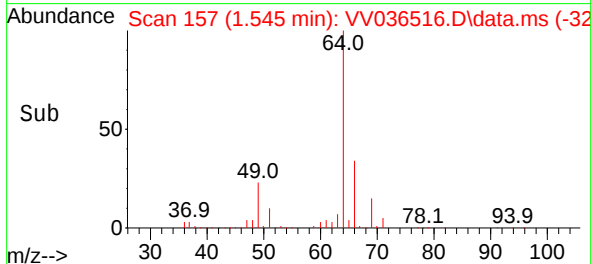
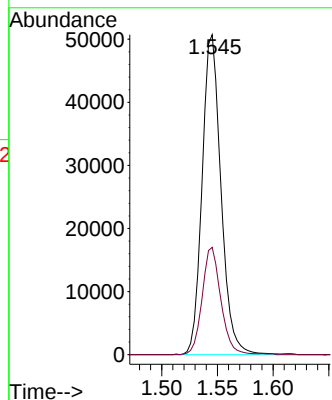
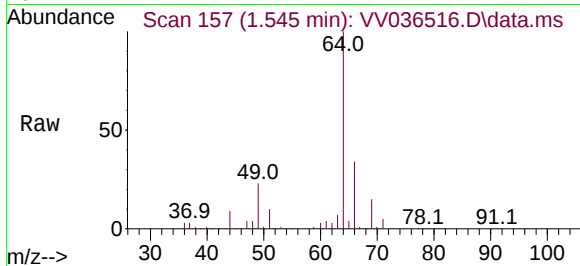




#8
Chloroethane
Concen: 22.990 ug/L
RT: 1.545 min Scan# 156
Delta R.T. 0.003 min
Lab File: VV036516.D
Acq: 12 Jul 2024 18:52

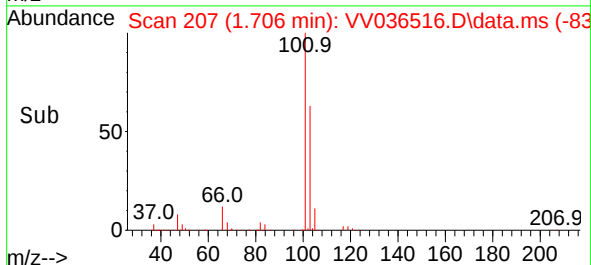
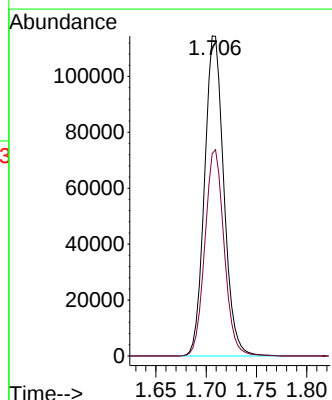
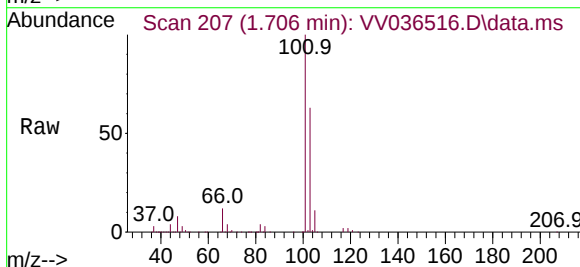
Instrument :
MSVOA_V
ClientSampleId :

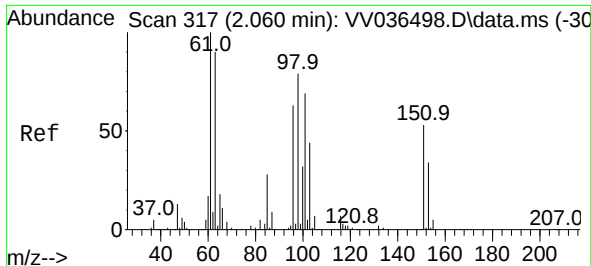
Tgt Ion: 64 Resp: 59817
Ion Ratio Lower Upper
64 100
66 33.5 22.5 41.9



#9
Trichlorofluoromethane
Concen: 22.913 ug/L
RT: 1.706 min Scan# 207
Delta R.T. 0.000 min
Lab File: VV036516.D
Acq: 12 Jul 2024 18:52

Tgt Ion:101 Resp: 152947
Ion Ratio Lower Upper
101 100
103 64.3 51.9 77.9

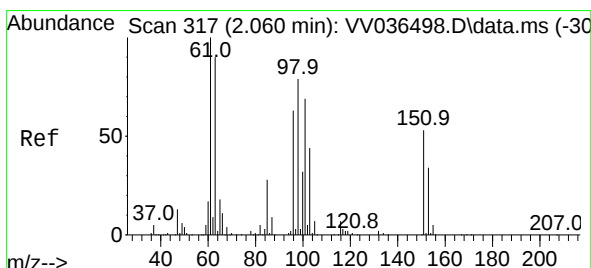
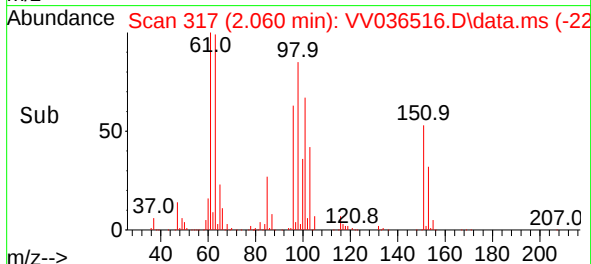
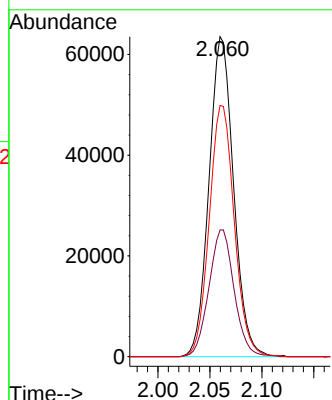
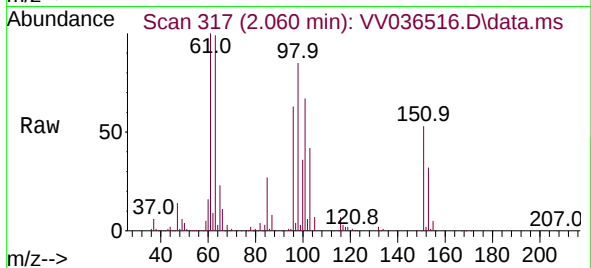




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 23.207 ug/L
RT: 2.060 min Scan# 317
Delta R.T. 0.000 min
Lab File: VV036516.D
Acq: 12 Jul 2024 18:52

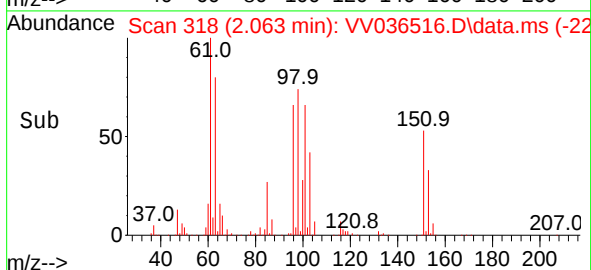
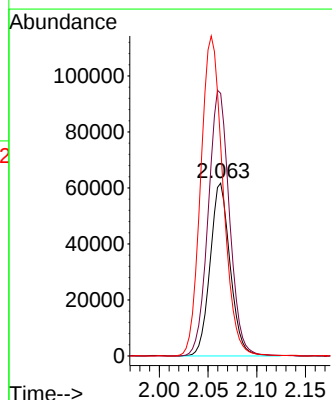
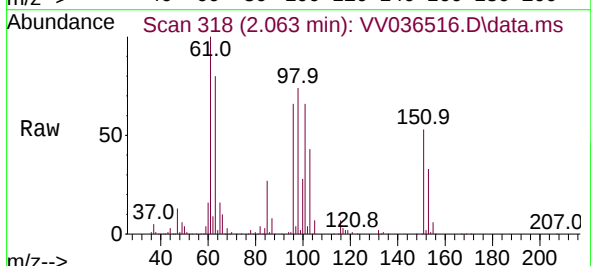
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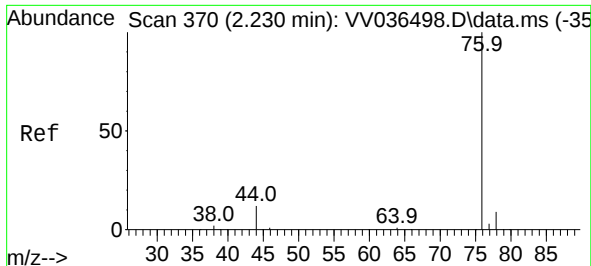
Tgt Ion:101 Resp: 104453
Ion Ratio Lower Upper
101 100
85 40.7 32.5 48.7
151 80.0 62.6 94.0



#12
1,1-Dichloroethene
Concen: 22.747 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.003 min
Lab File: VV036516.D
Acq: 12 Jul 2024 18:52

Tgt Ion: 96 Resp: 88309
Ion Ratio Lower Upper
96 100
61 152.0 110.8 205.8
63 121.9 103.9 192.9





#14

Carbon disulfide

Concen: 19.635 ug/L

RT: 2.233 min Scan# 3

Delta R.T. 0.003 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

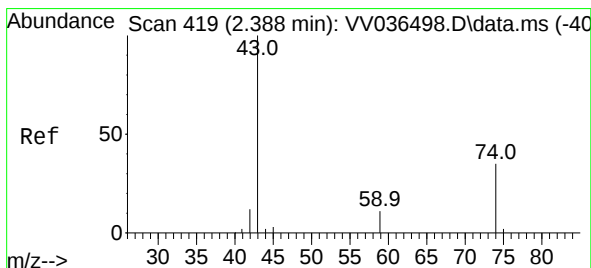
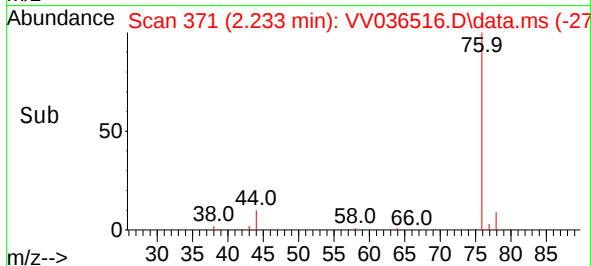
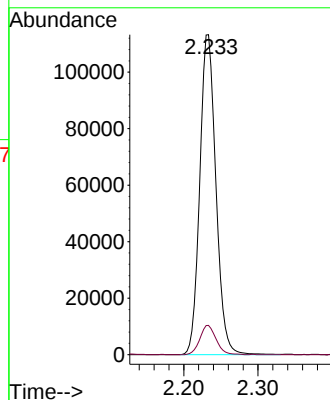
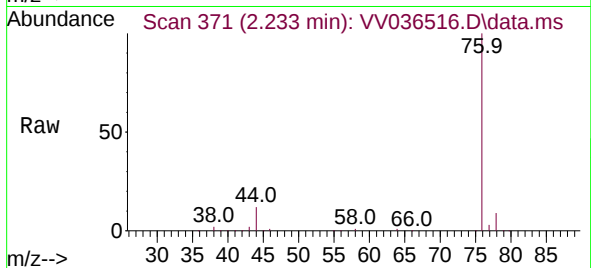
ClientSampleId :

Tgt Ion: 76 Resp: 171148

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



#15

Methyl Acetate

Concen: 29.014 ug/L

RT: 2.388 min Scan# 419

Delta R.T. 0.000 min

Lab File: VV036516.D

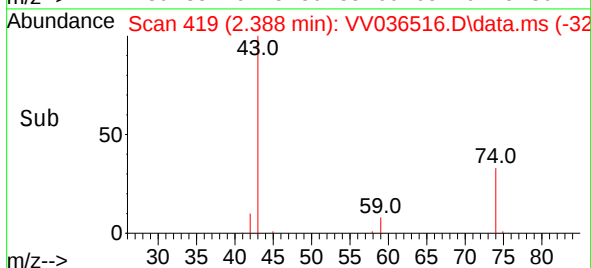
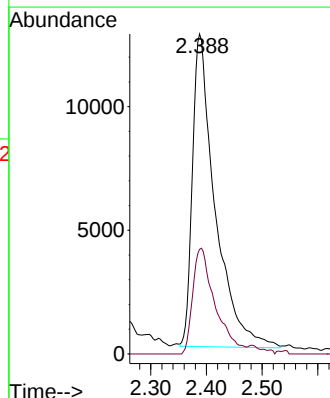
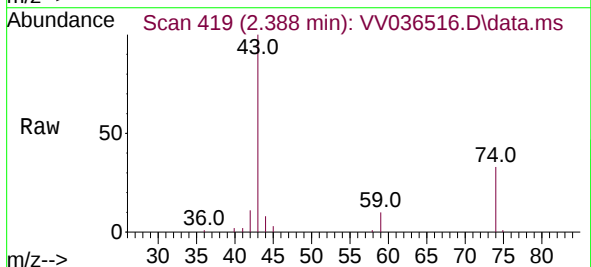
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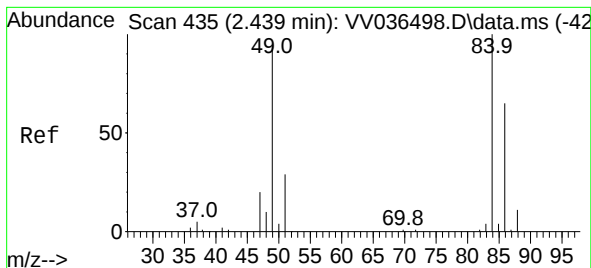
Tgt Ion: 43 Resp: 35713

Ion Ratio Lower Upper

43 100

74 33.5 26.3 39.5





#16

Methylene chloride

Concen: 22.970 ug/L

RT: 2.439 min Scan# 41

Delta R.T. 0.000 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

ClientSampleId :

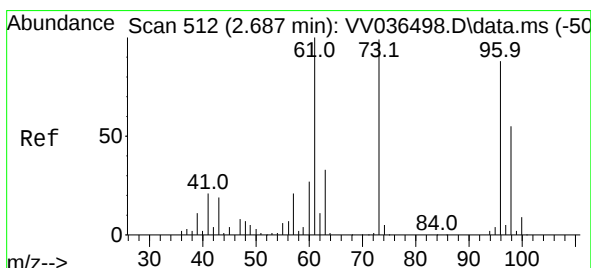
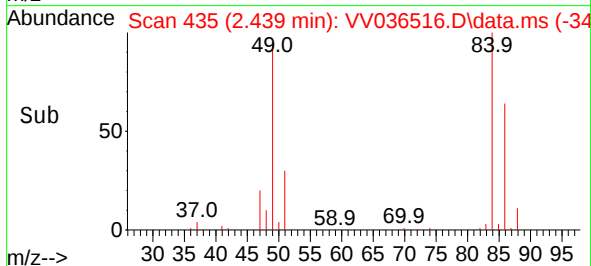
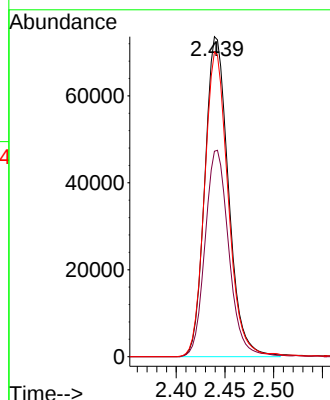
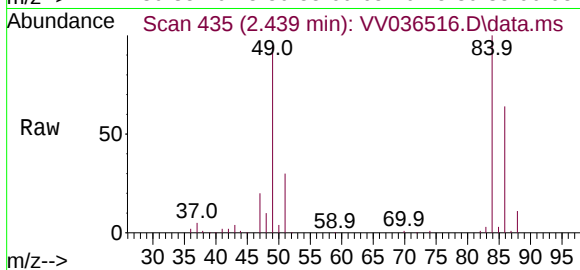
Tgt Ion: 84 Resp: 124105

Ion Ratio Lower Upper

84 100

86 64.2 46.3 86.1

49 95.2 68.1 126.5



#17

trans-1,2-Dichloroethene

Concen: 23.842 ug/L

RT: 2.690 min Scan# 513

Delta R.T. 0.003 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

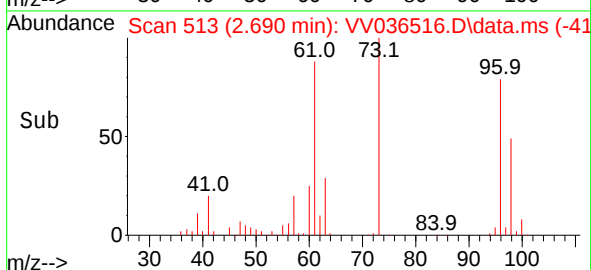
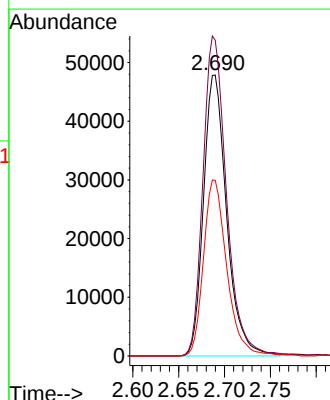
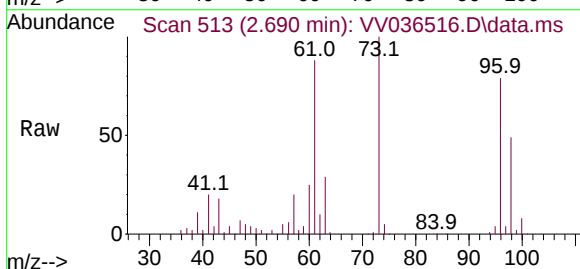
Tgt Ion: 96 Resp: 84114

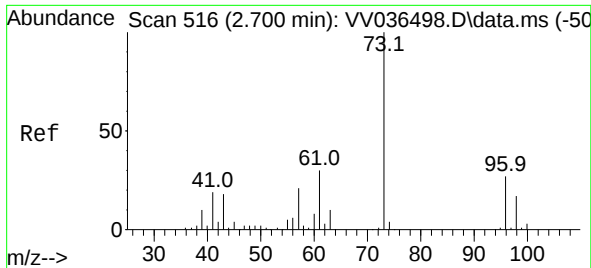
Ion Ratio Lower Upper

96 100

61 112.4 80.7 149.9

98 62.5 44.6 82.8





#18

Methyl tert-butyl Ether

Concen: 28.111 ug/L

RT: 2.703 min Scan# 516

Delta R.T. 0.003 min

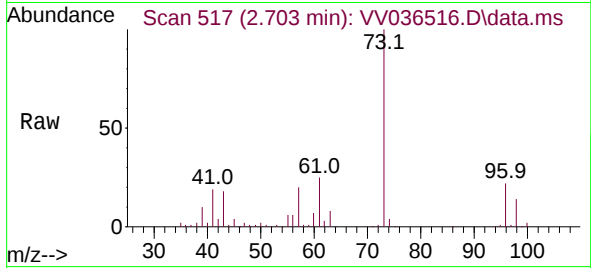
Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

ClientSampleId :



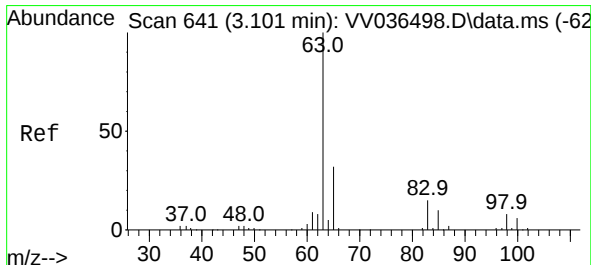
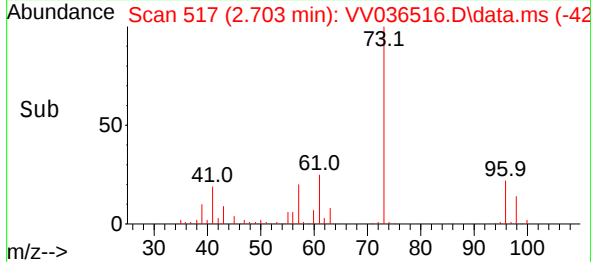
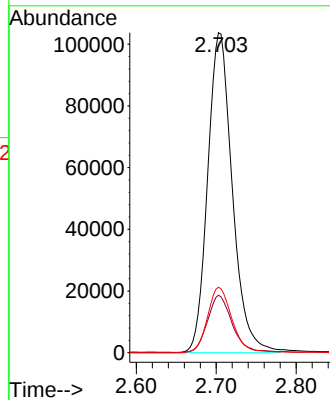
Tgt Ion: 73 Resp: 222236

Ion Ratio Lower Upper

73 100

43 17.5 14.3 21.5

57 20.4 16.5 24.7



#19

1,1-Dichloroethane

Concen: 25.696 ug/L

RT: 3.105 min Scan# 642

Delta R.T. 0.003 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

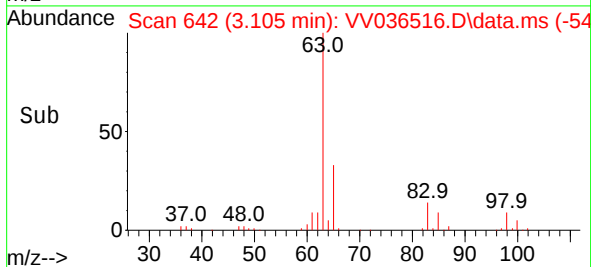
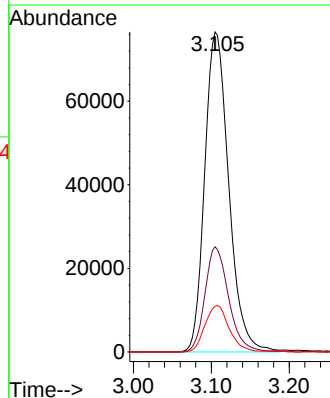
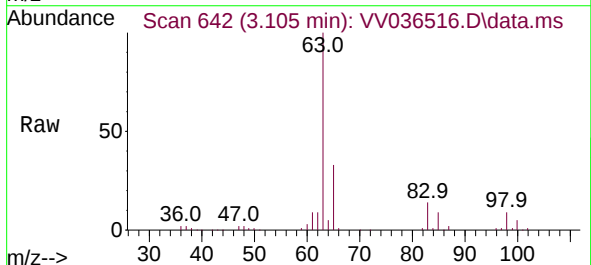
Tgt Ion: 63 Resp: 164094

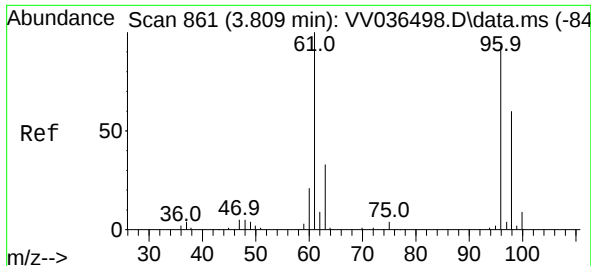
Ion Ratio Lower Upper

63 100

65 32.9 22.7 42.1

83 14.3 10.9 20.2





#20

cis-1,2-Dichloroethene

Concen: 25.571 ug/L

RT: 3.812 min Scan# 861

Delta R.T. 0.003 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

ClientSampleId :

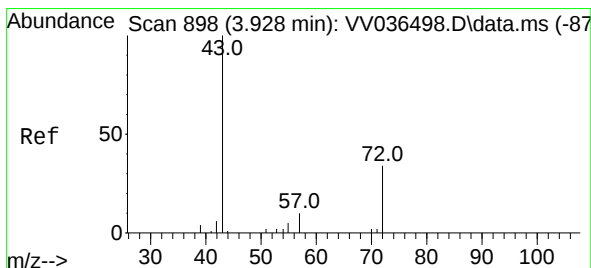
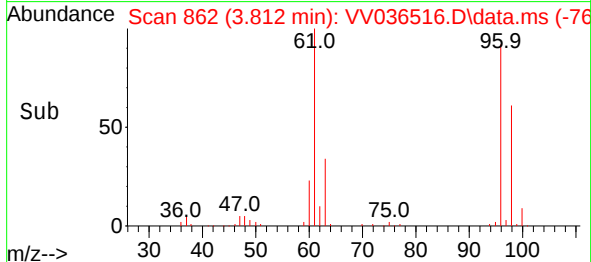
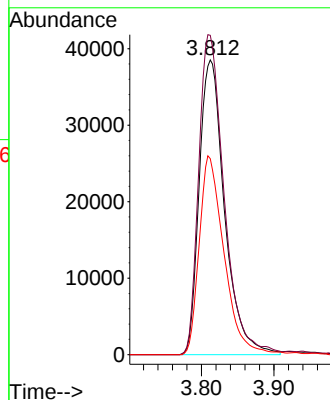
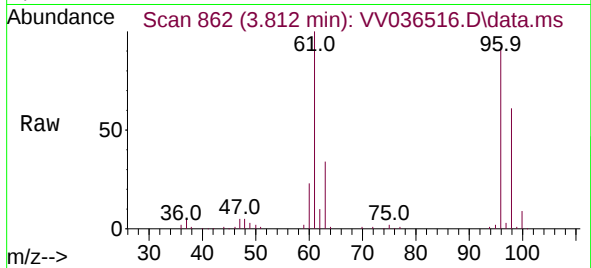
Tgt Ion: 96 Resp: 93766

Ion Ratio Lower Upper

96 100

61 108.4 74.8 138.8

98 66.5 45.2 84.0



#22

2-Butanone

Concen: 42.137 ug/L

RT: 3.921 min Scan# 896

Delta R.T. -0.006 min

Lab File: VV036516.D

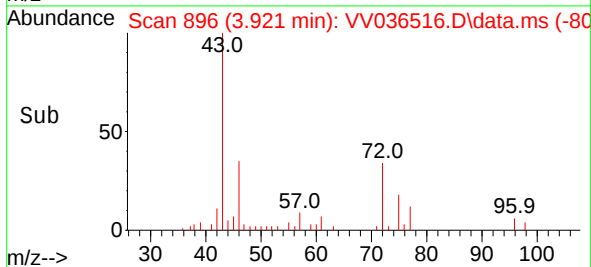
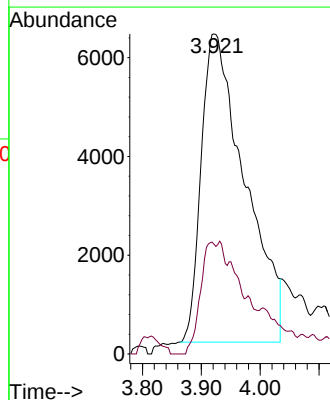
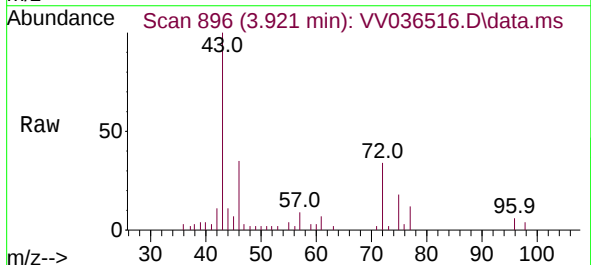
Acq: 12 Jul 2024 18:52

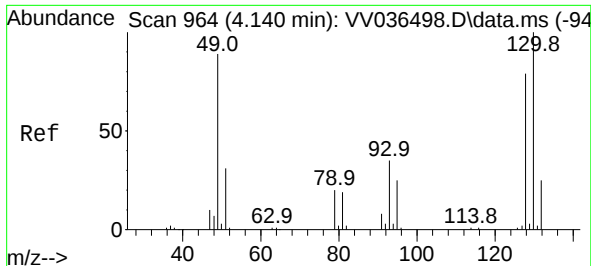
Tgt Ion: 43 Resp: 32230

Ion Ratio Lower Upper

43 100

72 12.8 5.9 17.6





#23

Bromochloromethane

Concen: 27.425 ug/L

RT: 4.143 min Scan# 9

Delta R.T. 0.003 min

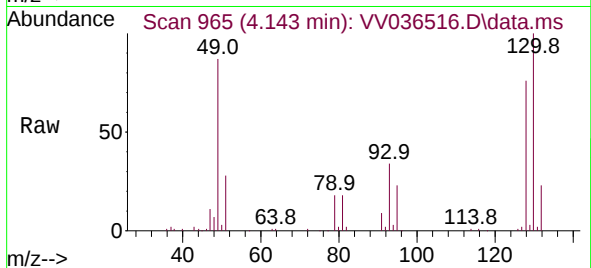
Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:128 Resp: 57117

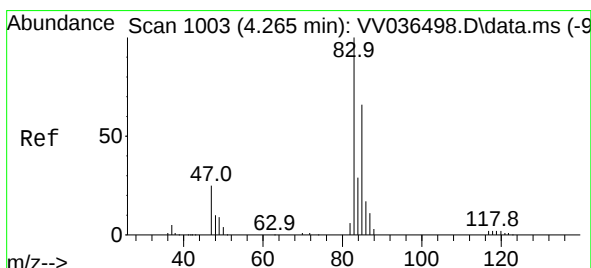
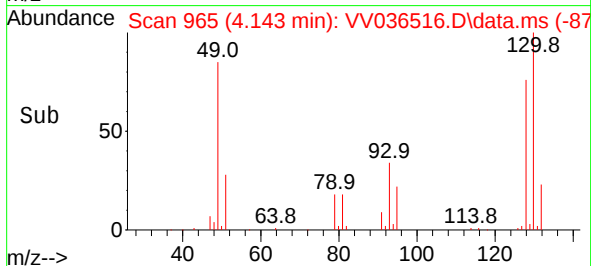
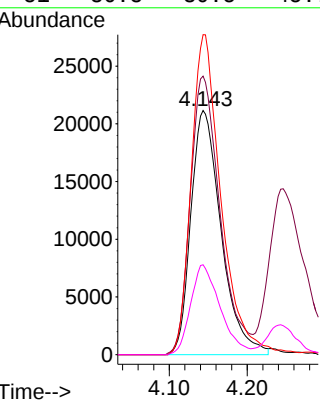
Ion Ratio Lower Upper

128 100

49 114.1 80.7 149.9

130 131.1 89.9 167.0

51 36.8 30.5 45.7



#25

Chloroform

Concen: 26.705 ug/L

RT: 4.269 min Scan# 1004

Delta R.T. 0.003 min

Lab File: VV036516.D

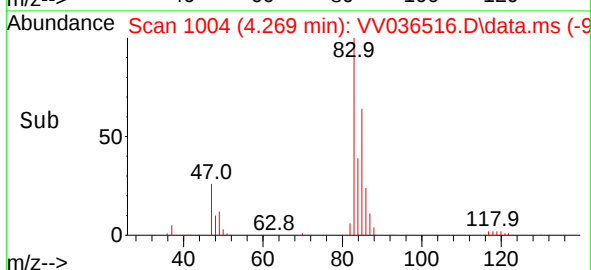
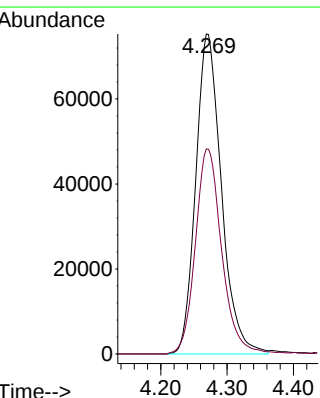
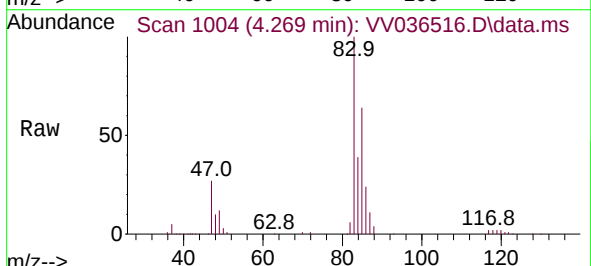
Acq: 12 Jul 2024 18:52

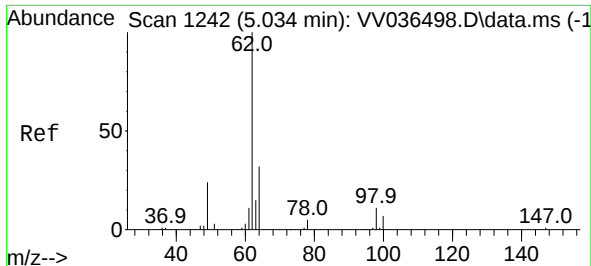
Tgt Ion: 83 Resp: 202493

Ion Ratio Lower Upper

83 100

85 64.0 45.6 84.6





#27

1,2-Dichloroethane

Concen: 28.171 ug/L

RT: 5.037 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

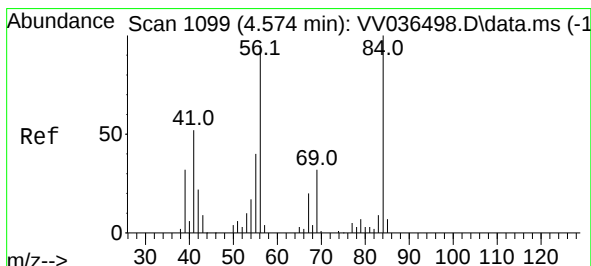
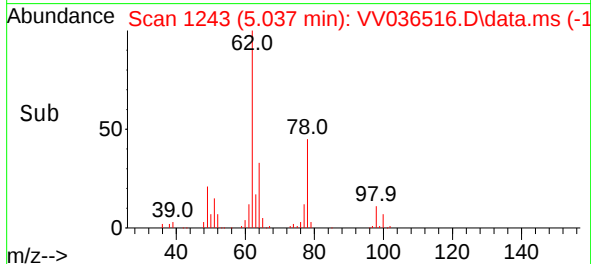
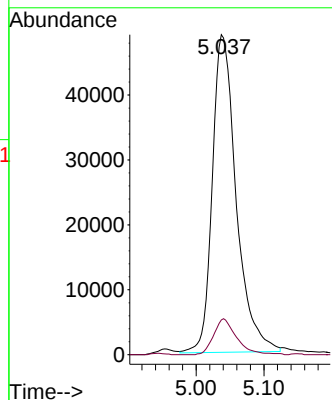
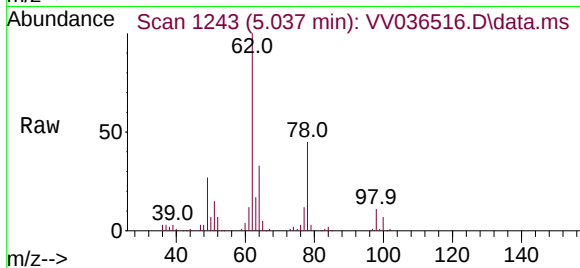
ClientSampleId :

Tgt Ion: 62 Resp: 119993

Ion Ratio Lower Upper

62 100

98 10.8 8.9 13.3



#29

Cyclohexane

Concen: 20.931 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

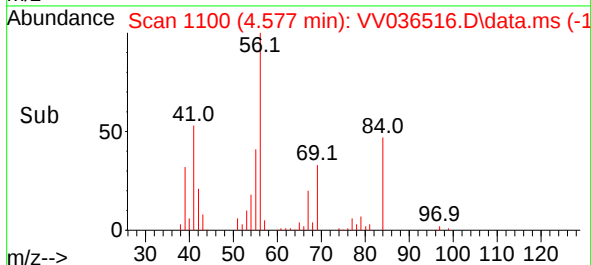
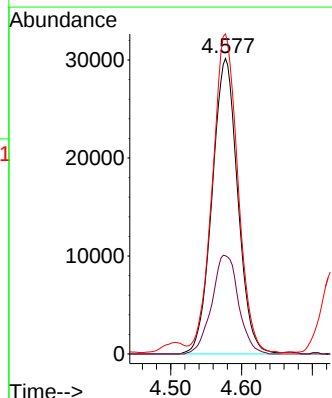
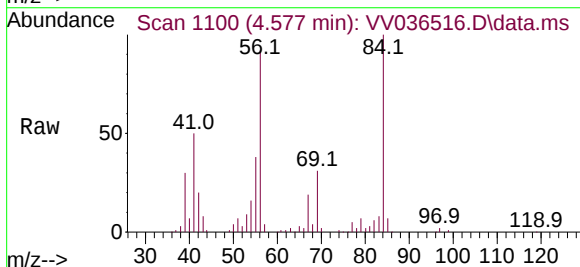
Tgt Ion: 56 Resp: 75754

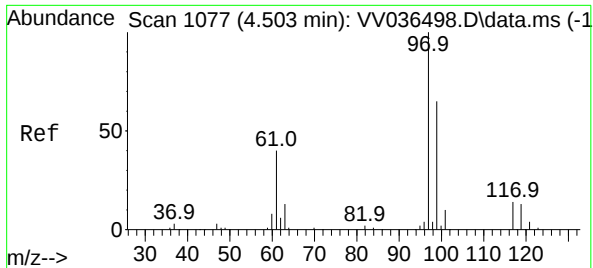
Ion Ratio Lower Upper

56 100

69 34.8 27.6 41.4

84 106.8 85.4 128.2





#30

1,1,1-Trichloroethane

Concen: 23.730 ug/L

RT: 4.507 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

ClientSampleId :

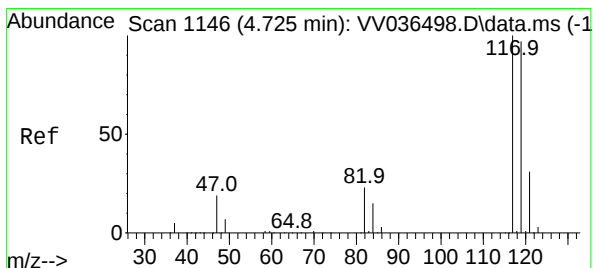
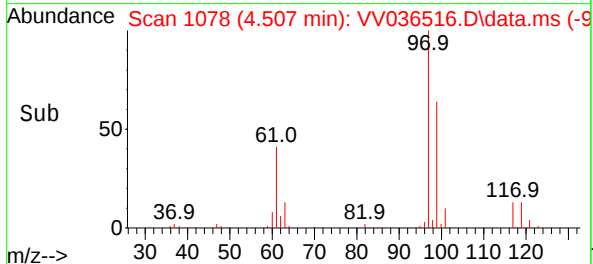
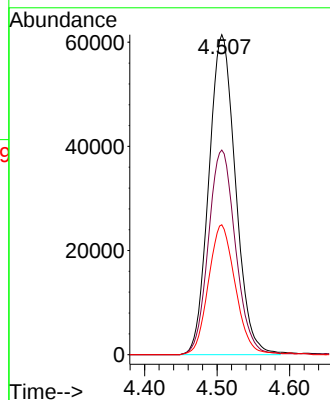
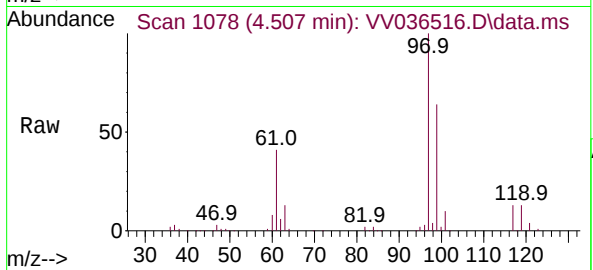
Tgt Ion: 97 Resp: 156939

Ion Ratio Lower Upper

97 100

99 64.9 51.9 77.9

61 40.9 32.2 48.4



#31

Carbon tetrachloride

Concen: 23.401 ug/L

RT: 4.728 min Scan# 1147

Delta R.T. 0.003 min

Lab File: VV036516.D

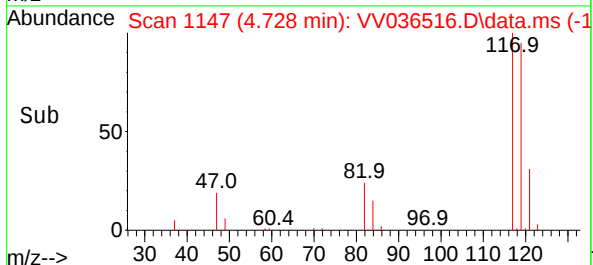
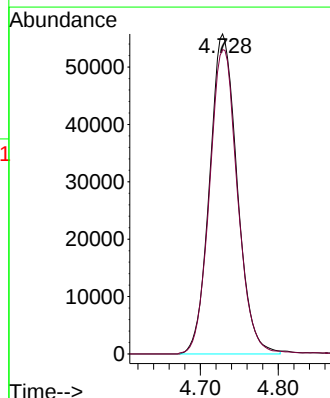
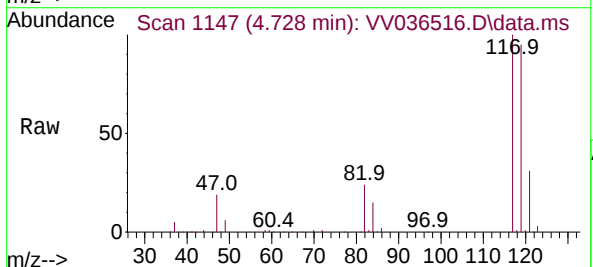
Acq: 12 Jul 2024 18:52

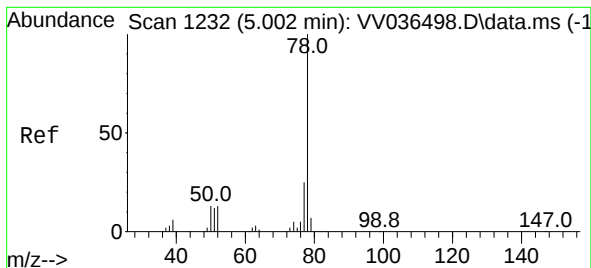
Tgt Ion:117 Resp: 137255

Ion Ratio Lower Upper

117 100

119 96.7 77.6 116.4





#33

Benzene

Concen: 25.581 ug/L

RT: 5.005 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV036516.D

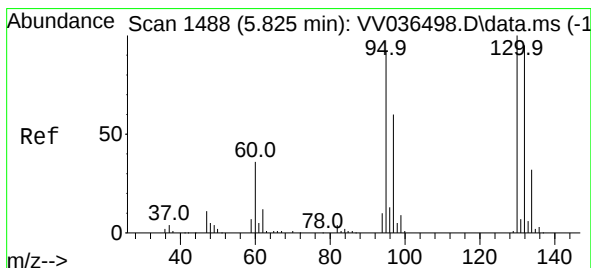
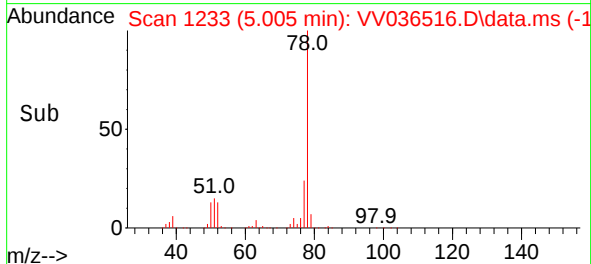
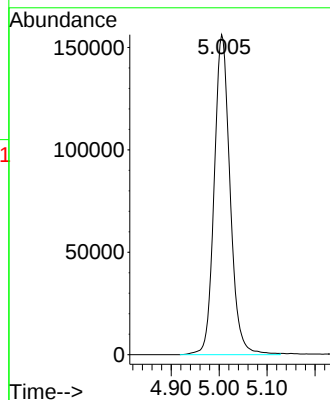
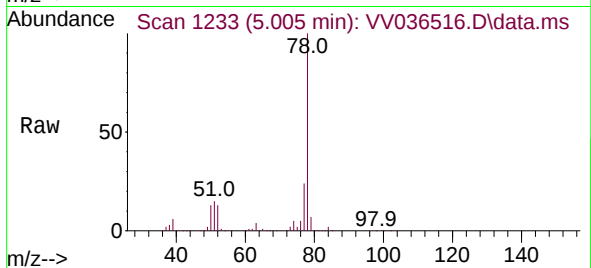
Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 360156



#34

Trichloroethene

Concen: 24.791 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Tgt Ion: 95 Resp: 111070

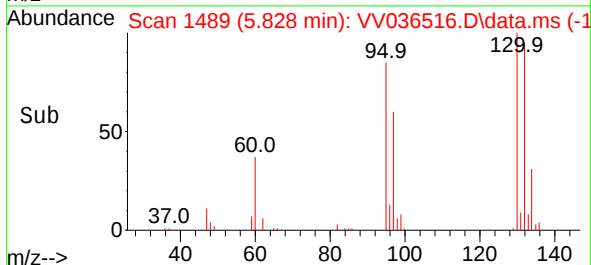
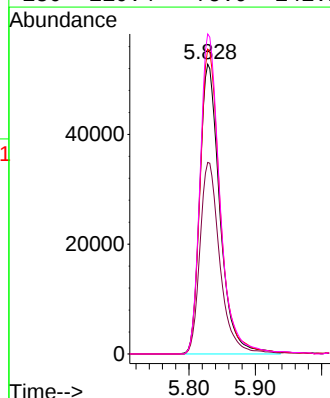
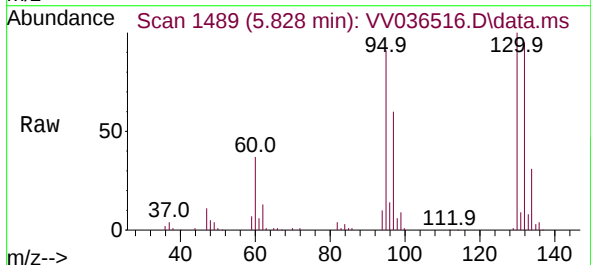
Ion Ratio Lower Upper

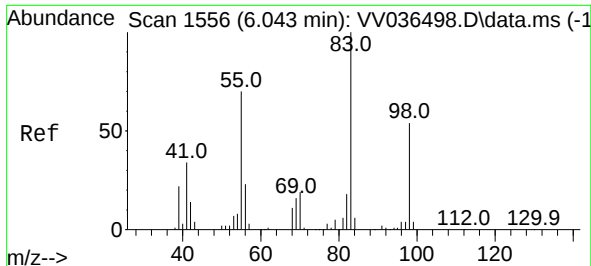
95 100

97 66.1 44.4 82.4

132 105.2 73.0 135.6

130 110.4 75.9 141.1





#35

Methylcyclohexane

Concen: 21.863 ug/L

RT: 6.047 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

ClientSampleId :

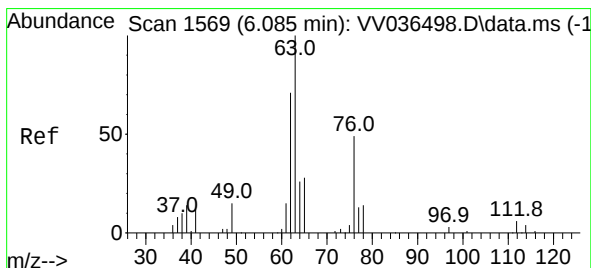
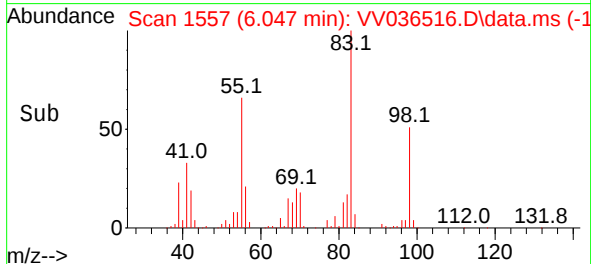
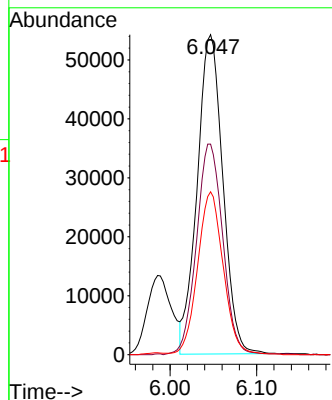
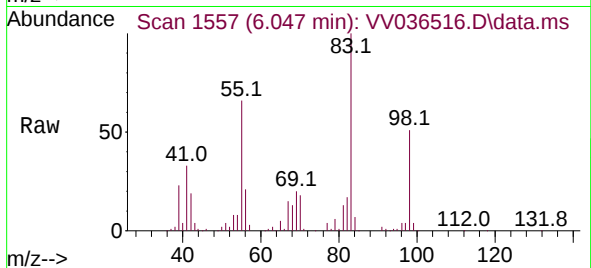
Tgt Ion: 83 Resp: 111787

Ion Ratio Lower Upper

83 100

55 67.5 54.3 81.5

98 50.4 41.7 62.5



#37

1,2-Dichloropropane

Concen: 26.006 ug/L

RT: 6.088 min Scan# 1570

Delta R.T. 0.003 min

Lab File: VV036516.D

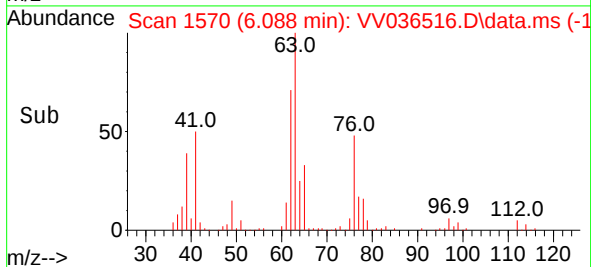
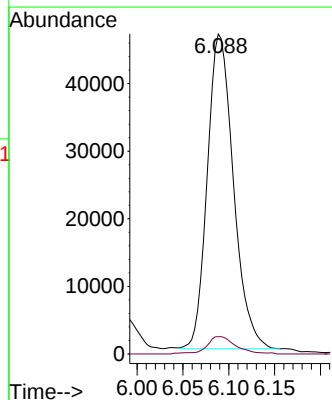
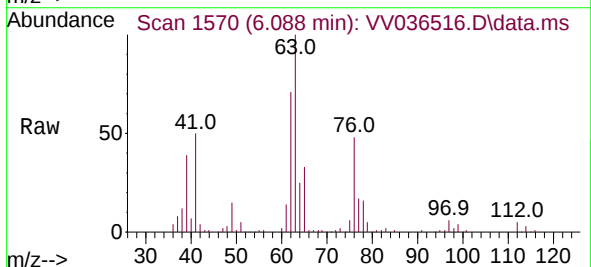
Acq: 12 Jul 2024 18:52

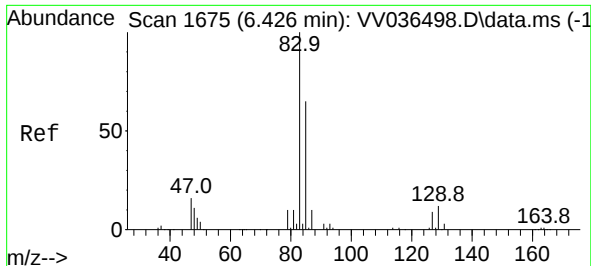
Tgt Ion: 63 Resp: 92402

Ion Ratio Lower Upper

63 100

112 6.1 4.5 6.7





#38

Bromodichloromethane

Concen: 25.782 ug/L

RT: 6.429 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

ClientSampleId :

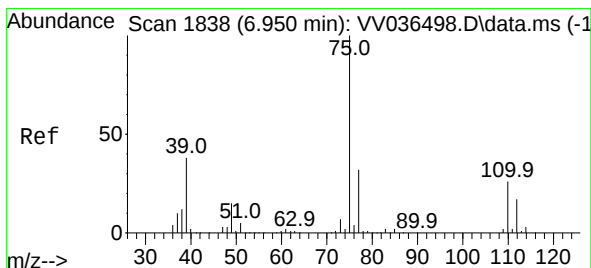
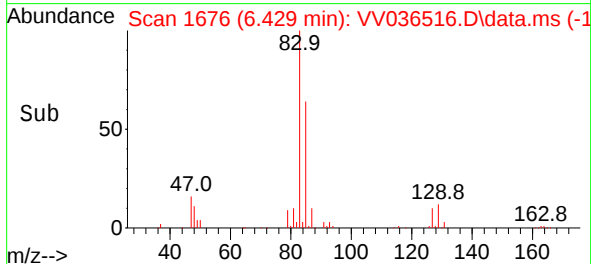
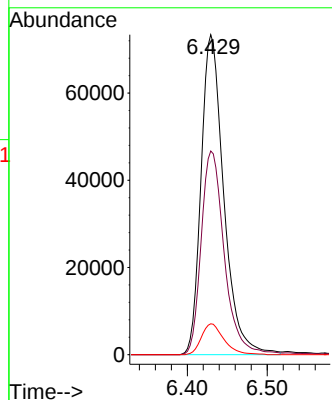
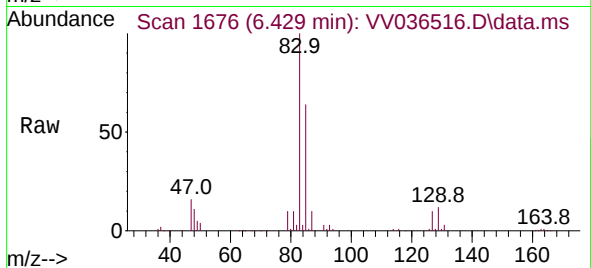
Tgt Ion: 83 Resp: 145148

Ion Ratio Lower Upper

83 100

85 63.7 44.3 82.3

127 9.7 7.0 10.4



#39

cis-1,3-Dichloropropene

Concen: 25.535 ug/L

RT: 6.950 min Scan# 1838

Delta R.T. 0.000 min

Lab File: VV036516.D

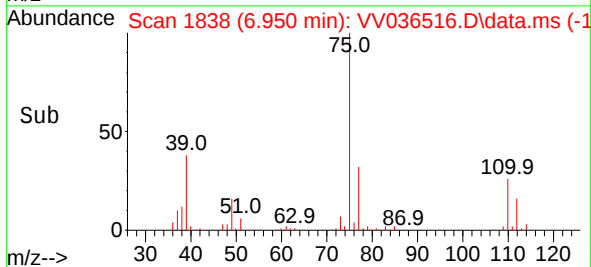
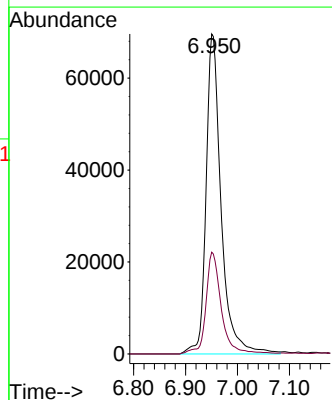
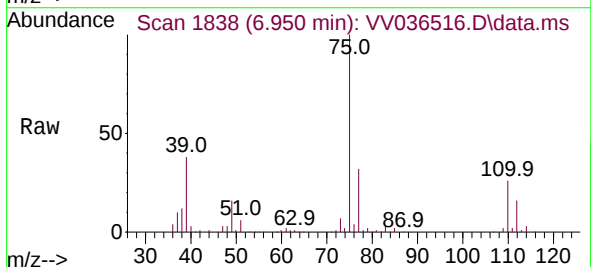
Acq: 12 Jul 2024 18:52

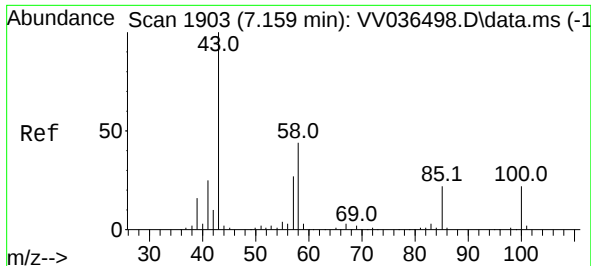
Tgt Ion: 75 Resp: 139907

Ion Ratio Lower Upper

75 100

77 31.8 22.2 41.2





#40

4-Methyl-2-pentanone

Concen: 56.525 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.003 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

ClientSampleId :

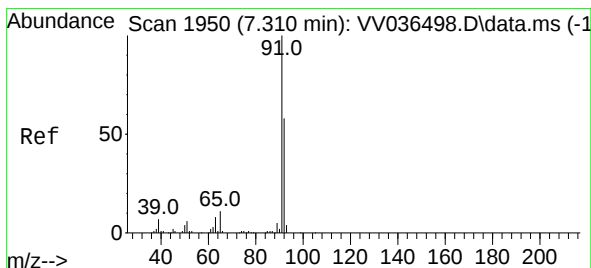
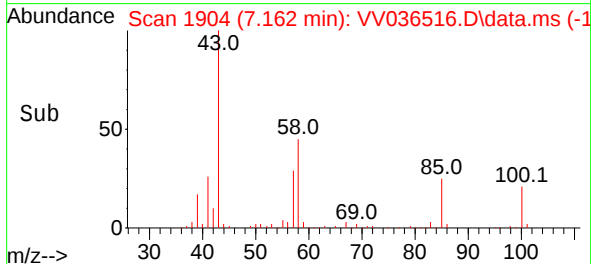
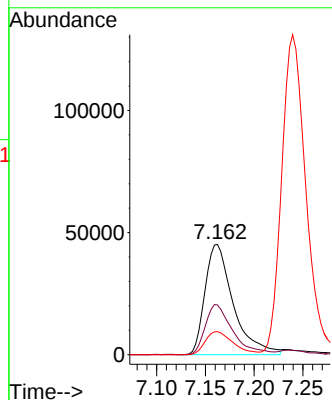
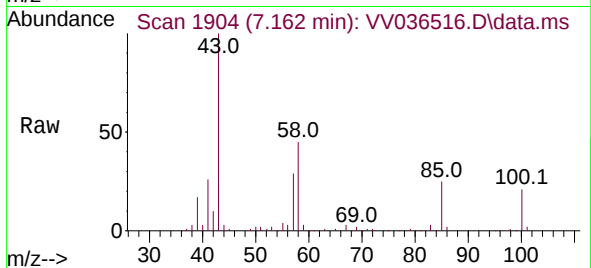
Tgt Ion: 43 Resp: 91270

Ion Ratio Lower Upper

43 100

58 44.2 32.9 49.3

100 20.7 15.5 23.3



#42

Toluene

Concen: 27.086 ug/L

RT: 7.314 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV036516.D

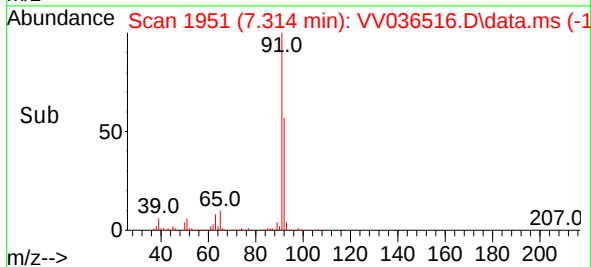
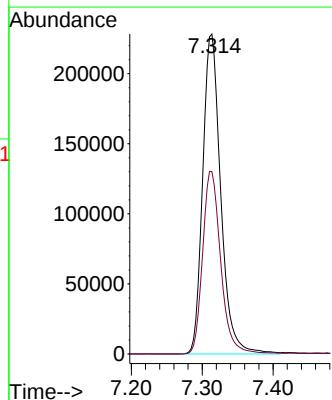
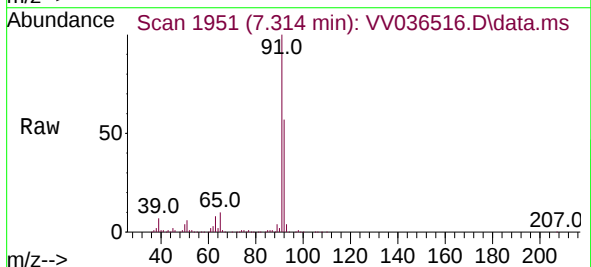
Acq: 12 Jul 2024 18:52

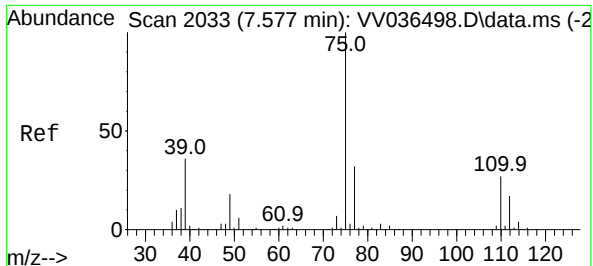
Tgt Ion: 91 Resp: 404078

Ion Ratio Lower Upper

91 100

92 57.0 40.1 74.5





#44

trans-1,3-Dichloropropene

Concen: 26.913 ug/L

RT: 7.580 min Scan# 2033

Delta R.T. 0.003 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

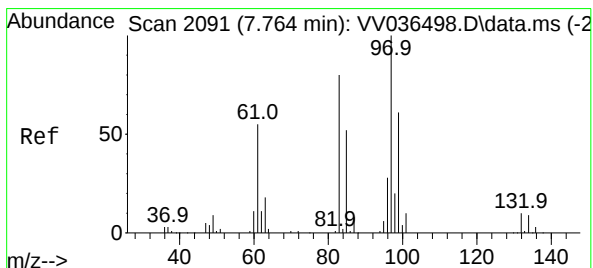
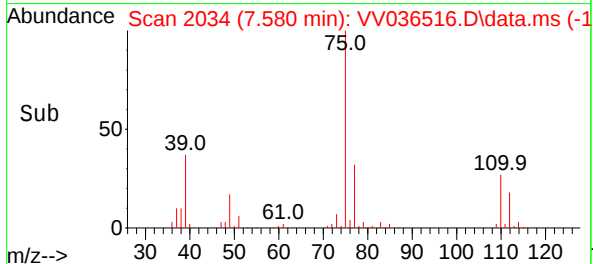
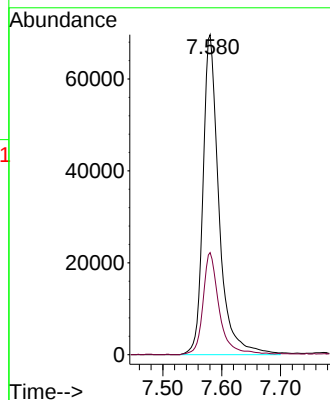
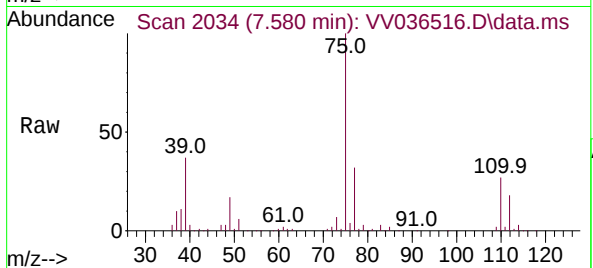
ClientSampleId :

Tgt Ion: 75 Resp: 131474

Ion Ratio Lower Upper

75 100

77 31.9 21.9 40.7



#45

1,1,2-Trichloroethane

Concen: 27.435 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.003 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Tgt Ion: 97 Resp: 96057

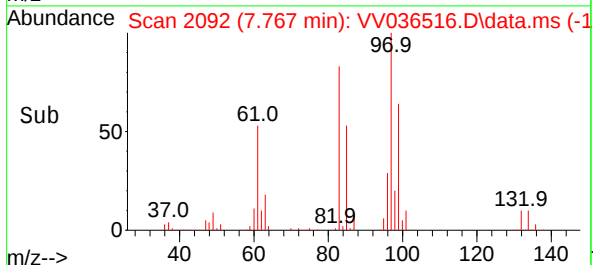
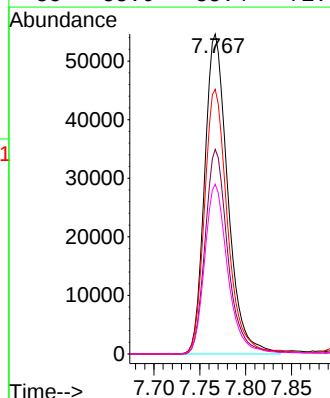
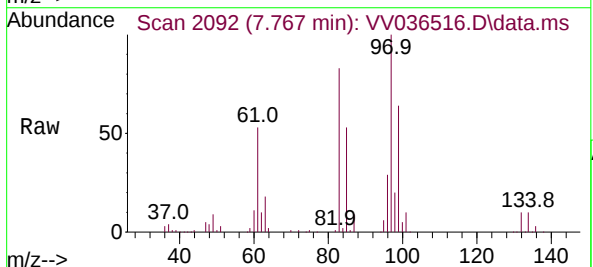
Ion Ratio Lower Upper

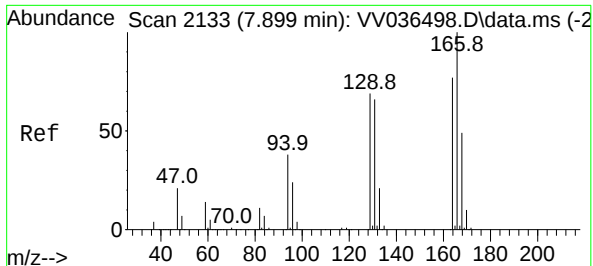
97 100

99 63.9 42.6 79.2

83 82.7 58.0 107.6

85 53.0 38.4 71.4





#46

Tetrachloroethene

Concen: 23.860 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.003 min

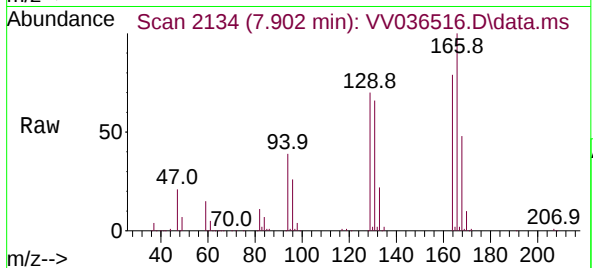
Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 86433

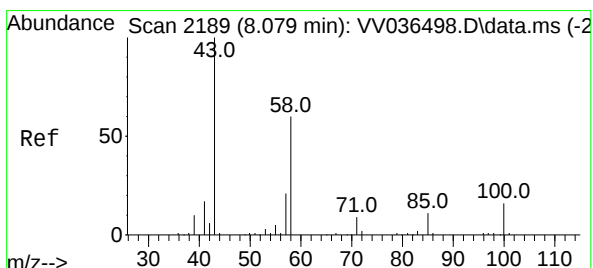
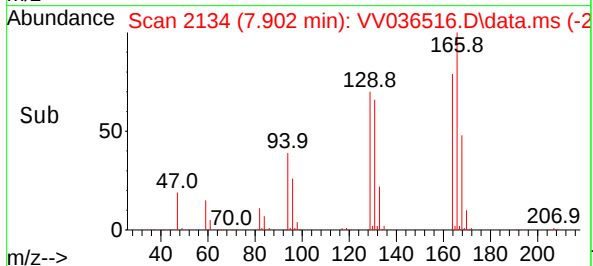
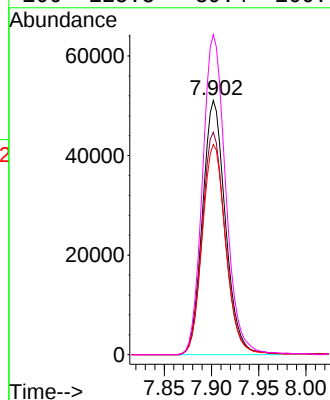
Ion Ratio Lower Upper

164 100

129 87.5 61.0 113.4

131 82.7 59.8 111.1

166 125.8 89.4 166.0



#48

2-Hexanone

Concen: 56.303 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. 0.000 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Tgt Ion: 43 Resp: 67437

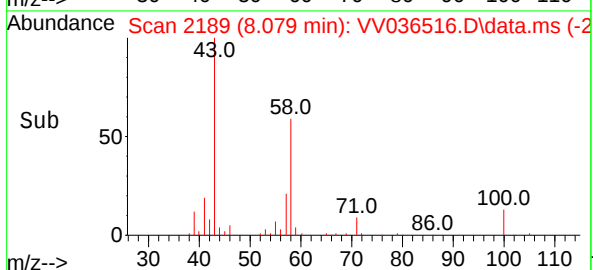
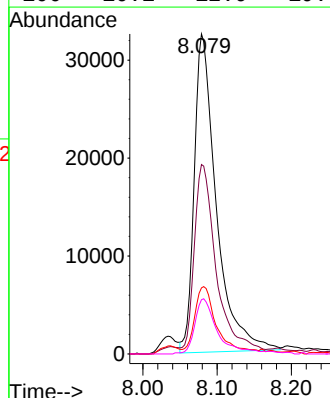
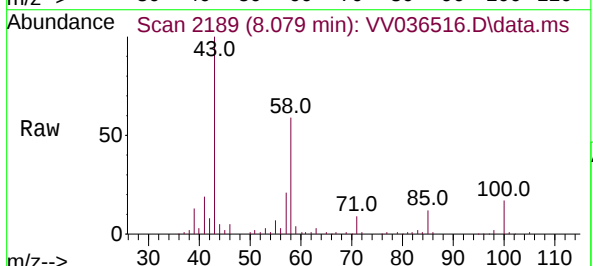
Ion Ratio Lower Upper

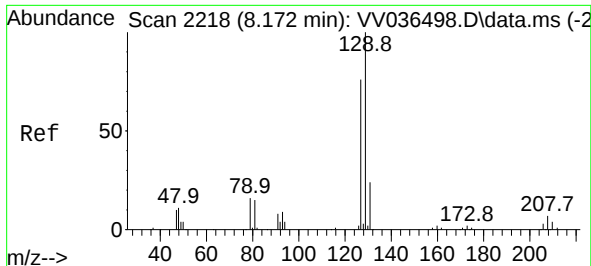
43 100

58 57.1 49.5 74.3

57 21.3 15.3 22.9

100 16.1 12.9 19.3





#49

Dibromochloromethane

Concen: 27.082 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.000 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

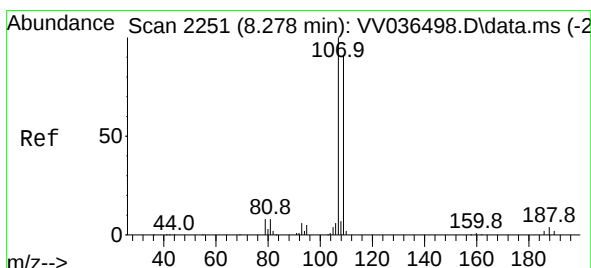
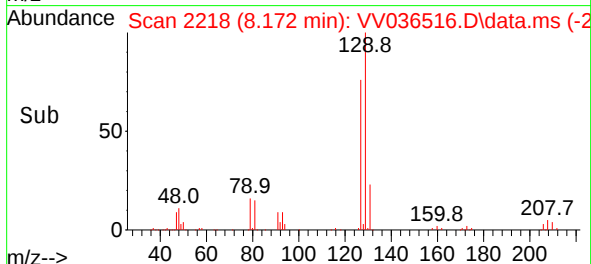
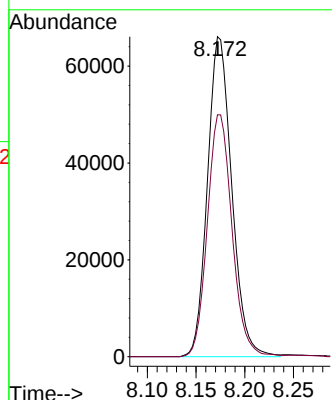
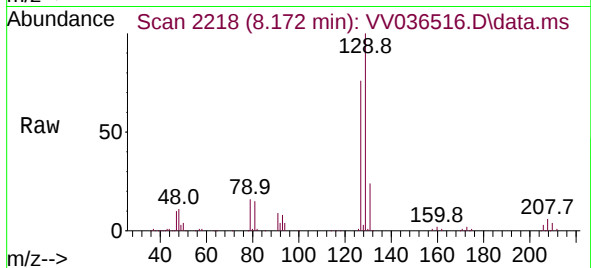
ClientSampleId :

Tgt Ion:129 Resp: 114661

Ion Ratio Lower Upper

129 100

127 75.6 53.7 99.7



#50

1,2-Dibromoethane

Concen: 27.974 ug/L

RT: 8.281 min Scan# 2252

Delta R.T. 0.003 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

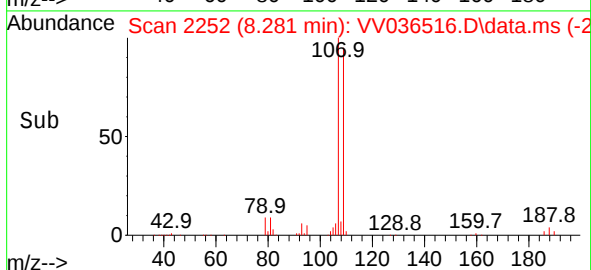
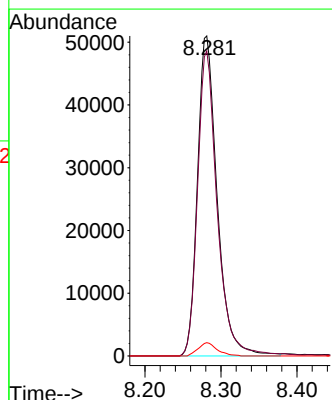
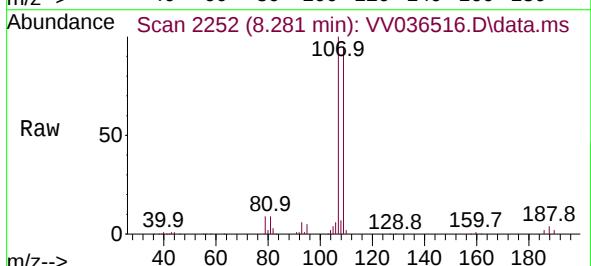
Tgt Ion:107 Resp: 91922

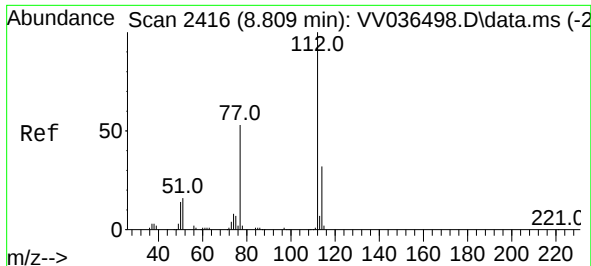
Ion Ratio Lower Upper

107 100

109 95.3 66.2 123.0

188 4.1 3.4 5.0





#51

Chlorobenzene

Concen: 25.805 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.003 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

ClientSampleId :

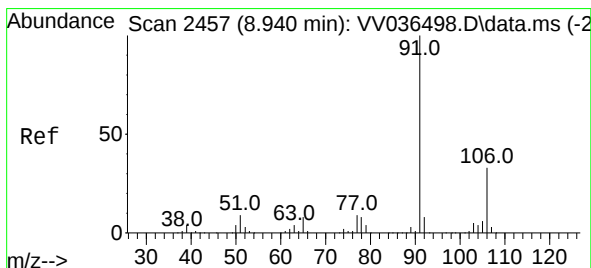
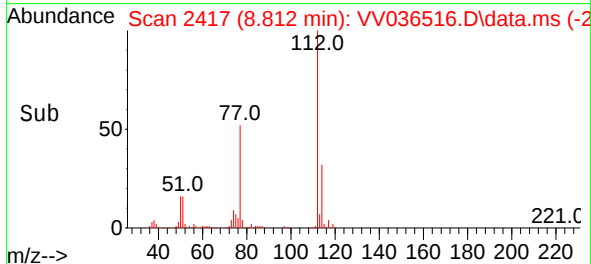
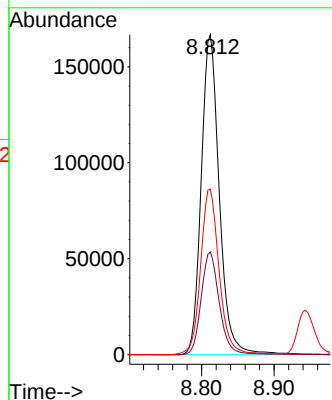
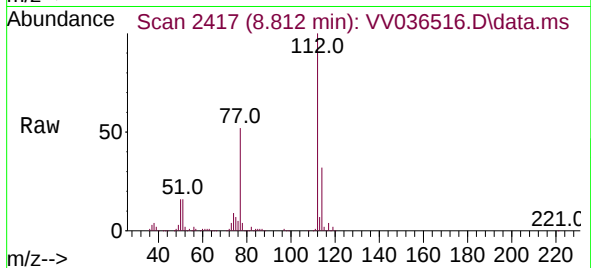
Tgt Ion:112 Resp: 288311

Ion Ratio Lower Upper

112 100

114 32.1 22.5 41.9

77 51.8 43.0 64.6



#52

Ethylbenzene

Concen: 25.790 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.003 min

Lab File: VV036516.D

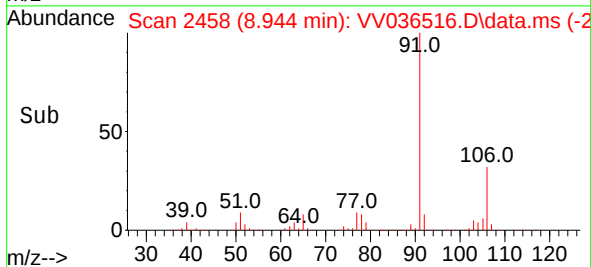
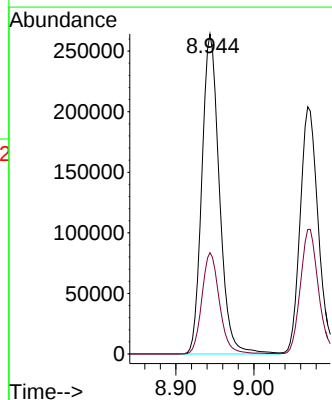
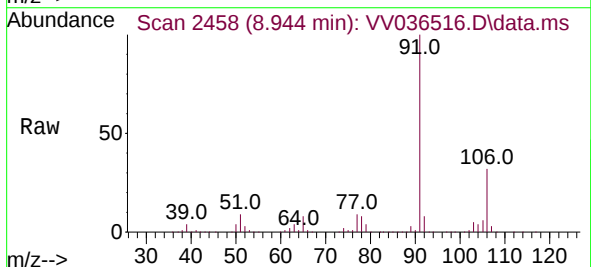
Acq: 12 Jul 2024 18:52

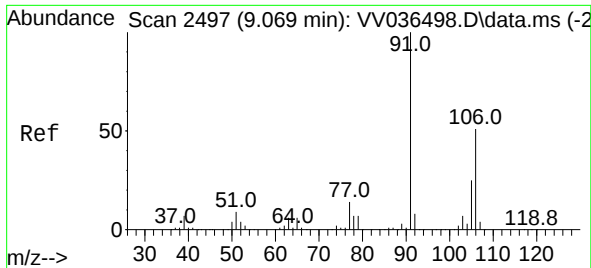
Tgt Ion: 91 Resp: 412704

Ion Ratio Lower Upper

91 100

106 31.7 22.6 42.0





#53

m,p-Xylene

Concen: 26.910 ug/L

RT: 9.072 min Scan# 2497

Delta R.T. 0.003 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

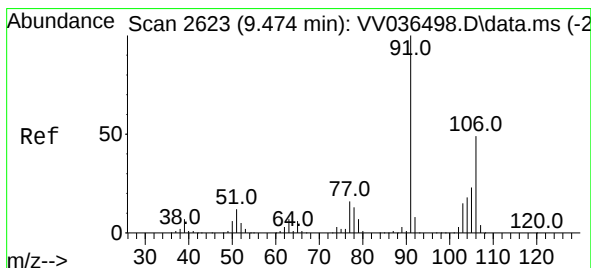
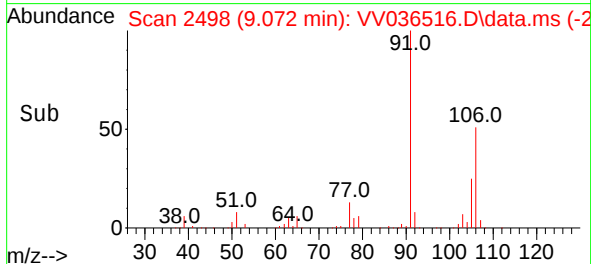
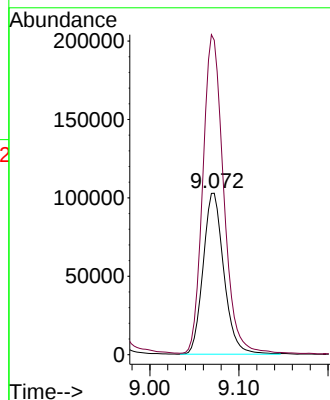
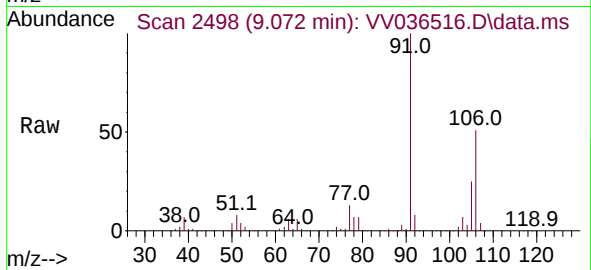
ClientSampleId :

Tgt Ion:106 Resp: 165799

Ion Ratio Lower Upper

106 100

91 194.8 137.1 254.7



#54

o-Xylene

Concen: 27.200 ug/L

RT: 9.477 min Scan# 2624

Delta R.T. 0.003 min

Lab File: VV036516.D

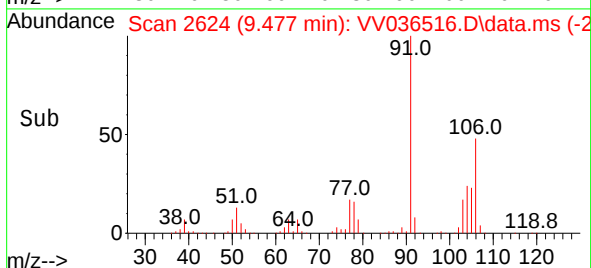
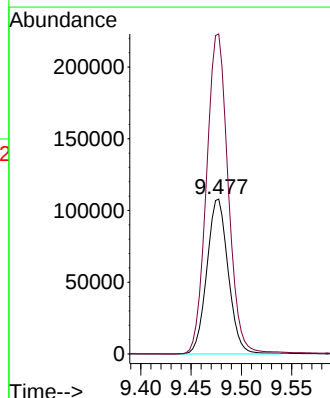
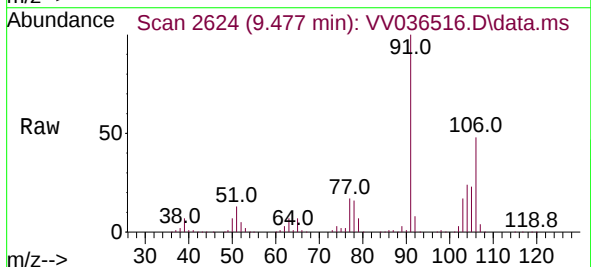
Acq: 12 Jul 2024 18:52

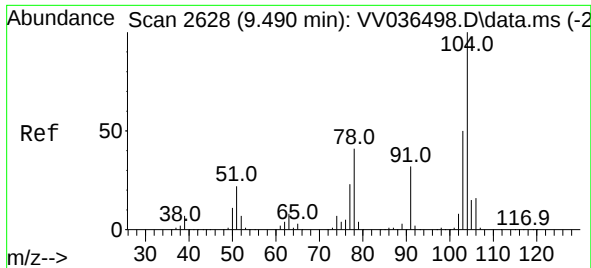
Tgt Ion:106 Resp: 159556

Ion Ratio Lower Upper

106 100

91 206.7 147.3 273.6

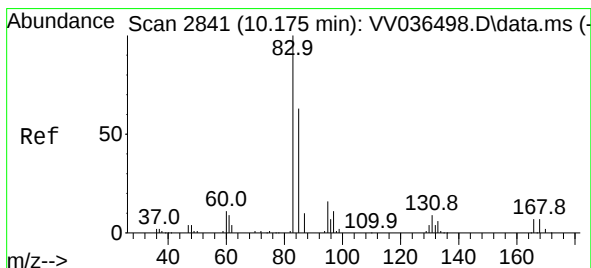
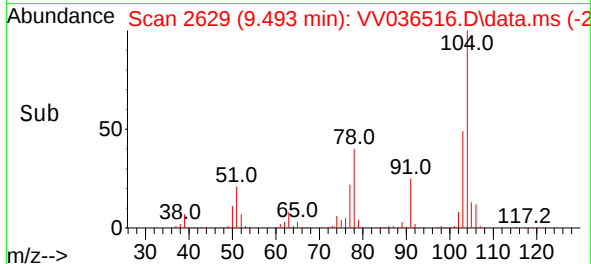
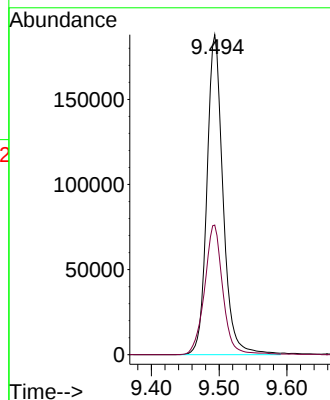
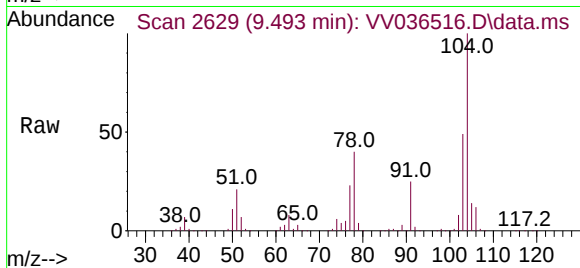




#55
Styrene
Concen: 29.586 ug/L
RT: 9.493 min Scan# 2628
Delta R.T. 0.003 min
Lab File: VV036516.D
Acq: 12 Jul 2024 18:52

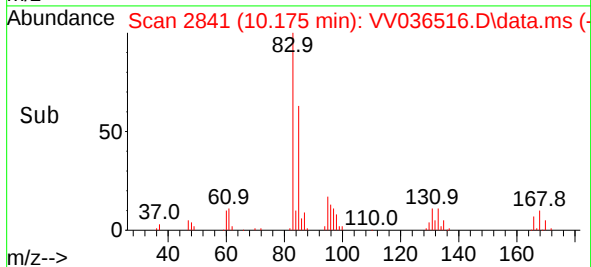
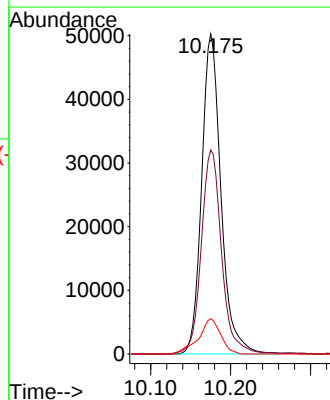
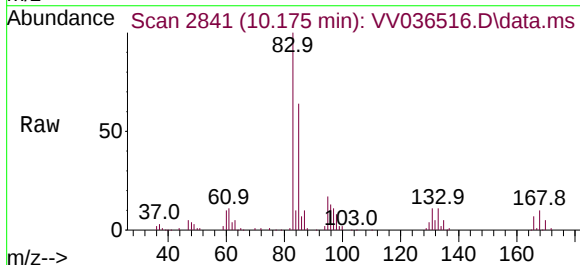
Instrument :
MSVOA_V
ClientSampleId :

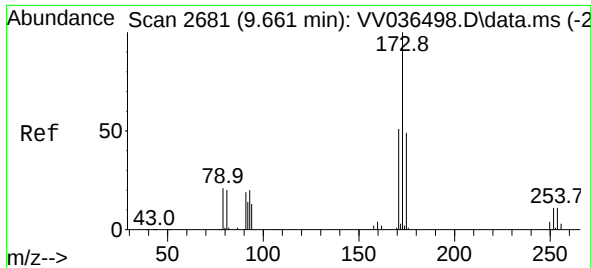
Tgt Ion:104 Resp: 310515
Ion Ratio Lower Upper
104 100
78 40.5 28.8 53.6



#57
1,1,2,2-Tetrachloroethane
Concen: 26.457 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV036516.D
Acq: 12 Jul 2024 18:52

Tgt Ion: 83 Resp: 84588
Ion Ratio Lower Upper
83 100
85 63.8 45.0 83.6
131 11.0 8.1 12.1





#59

Bromoform

Concen: 26.183 ug/L

RT: 9.664 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

ClientSampleId :

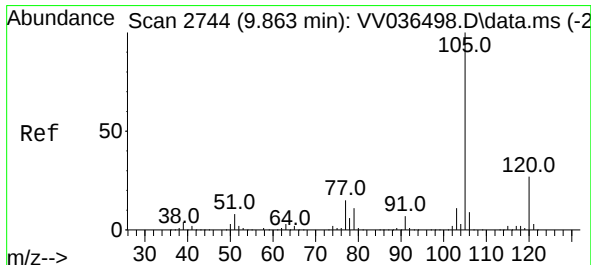
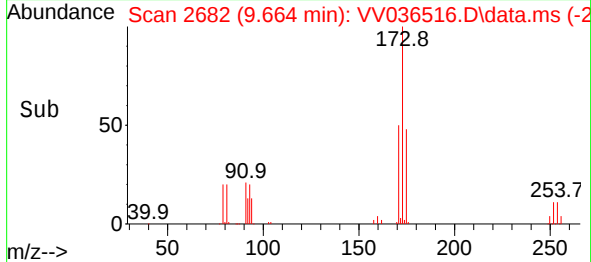
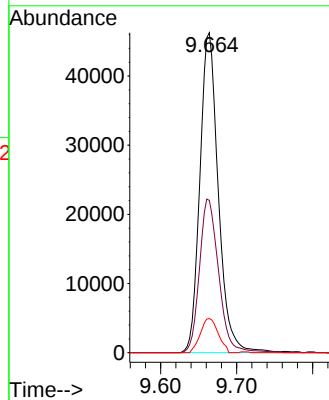
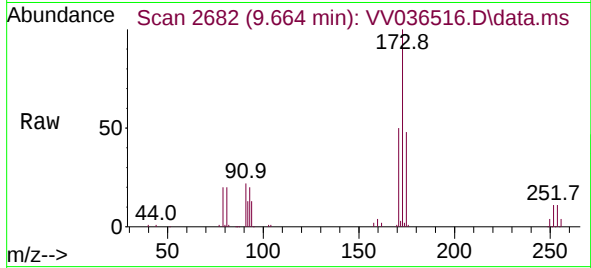
Tgt Ion:173 Resp: 78095

Ion Ratio Lower Upper

173 100

175 49.8 37.6 56.4

254 10.3 8.2 12.4



#60

Isopropylbenzene

Concen: 25.257 ug/L

RT: 9.863 min Scan# 2744

Delta R.T. 0.000 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

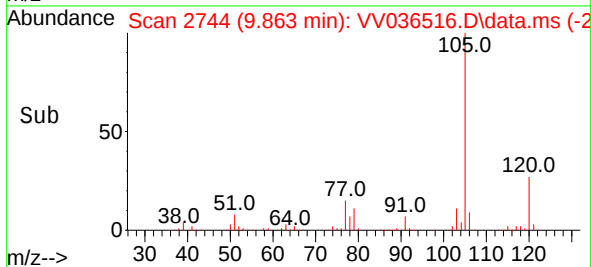
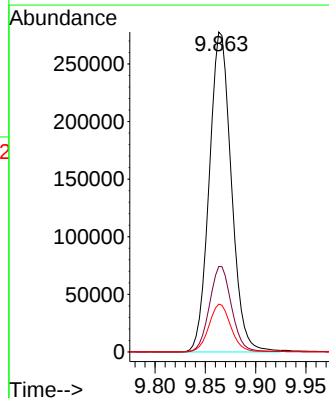
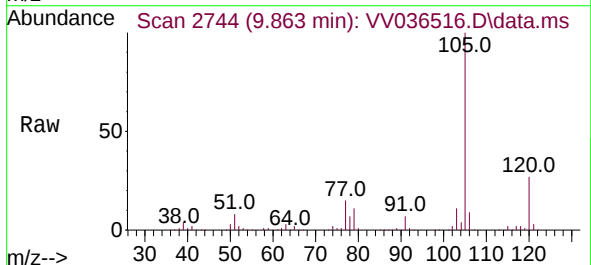
Tgt Ion:105 Resp: 424635

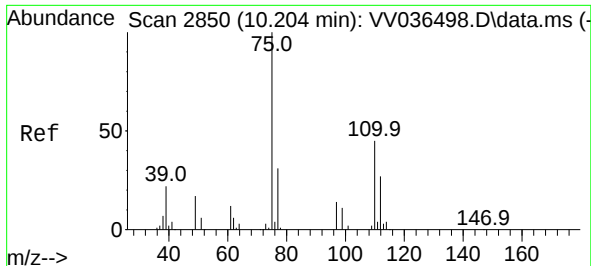
Ion Ratio Lower Upper

105 100

120 26.8 21.8 32.6

77 15.0 12.0 18.0





#61

1,2,3-Trichloropropane

Concen: 25.956 ug/L

RT: 10.207 min Scan# 2850

Delta R.T. 0.003 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

ClientSampleId :

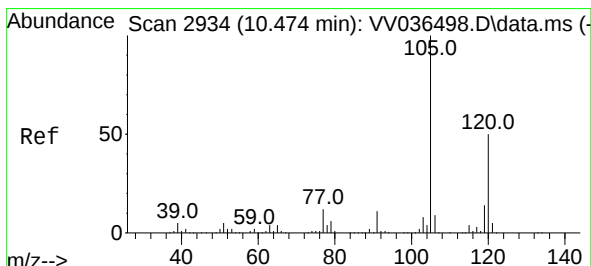
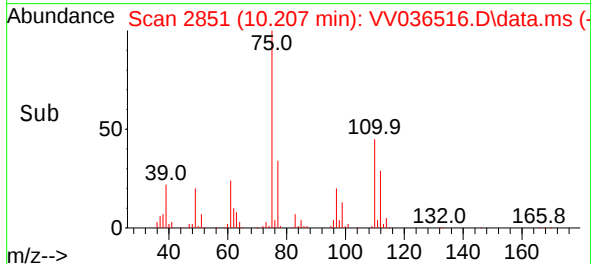
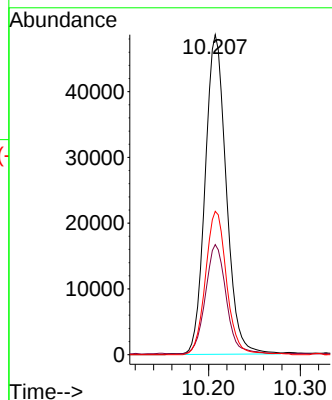
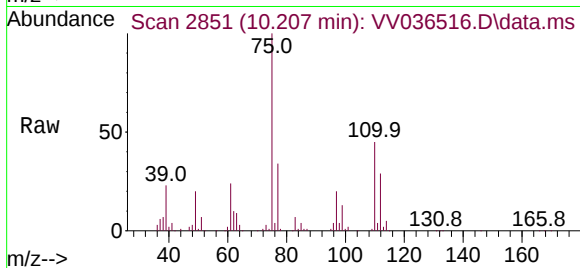
Tgt Ion: 75 Resp: 77718

Ion Ratio Lower Upper

75 100

77 33.8 25.6 38.4

110 44.9 34.8 52.2



#62

1,3,5-Trimethylbenzene

Concen: 25.070 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV036516.D

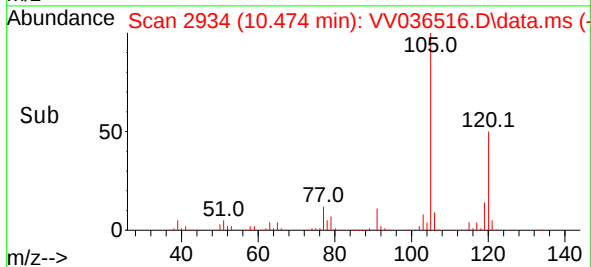
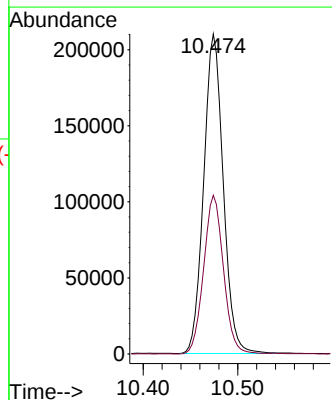
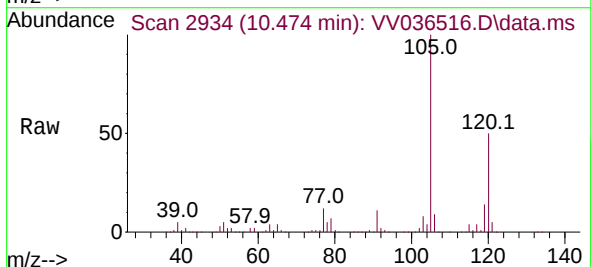
Acq: 12 Jul 2024 18:52

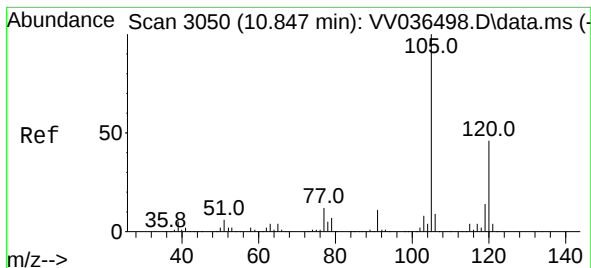
Tgt Ion: 105 Resp: 301842

Ion Ratio Lower Upper

105 100

120 50.4 39.9 59.9





#63

1,2,4-Trimethylbenzene

Concen: 26.267 ug/L

RT: 10.850 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

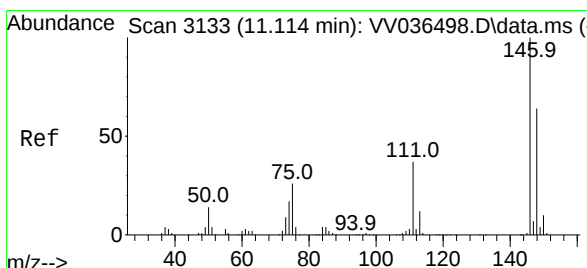
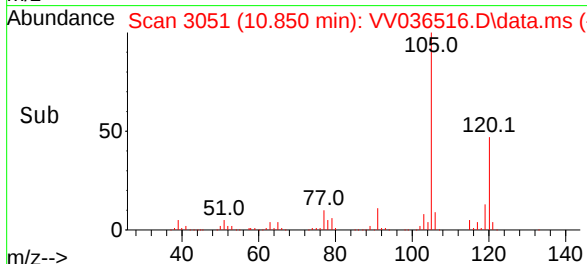
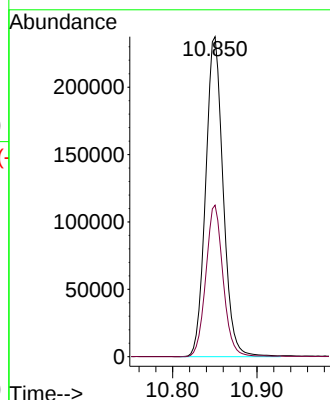
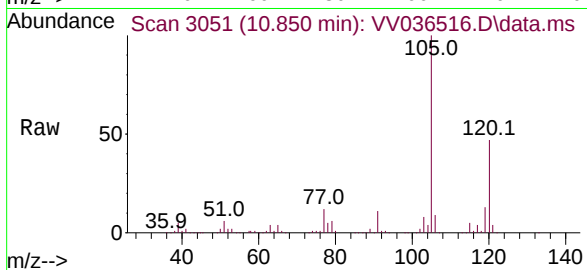
ClientSampleId :

Tgt Ion:105 Resp: 344123

Ion Ratio Lower Upper

105 100

120 46.7 37.0 55.4



#64

1,3-Dichlorobenzene

Concen: 25.545 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

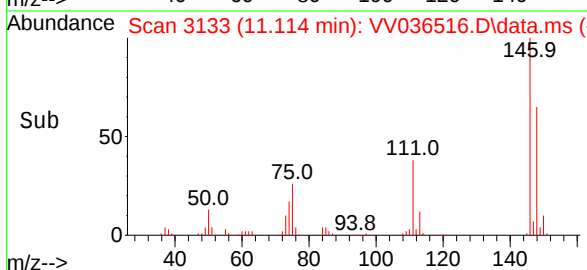
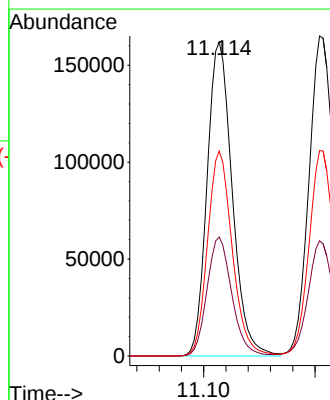
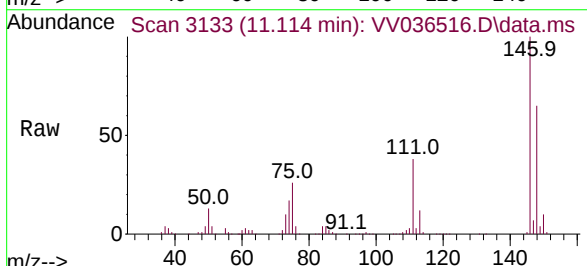
Tgt Ion:146 Resp: 253893

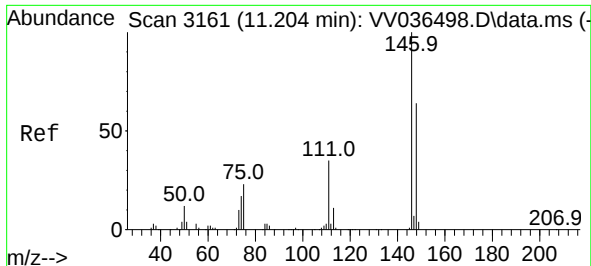
Ion Ratio Lower Upper

146 100

111 37.9 25.8 47.8

148 65.2 44.4 82.4





#65

1,4-Dichlorobenzene

Concen: 24.983 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

ClientSampleId :

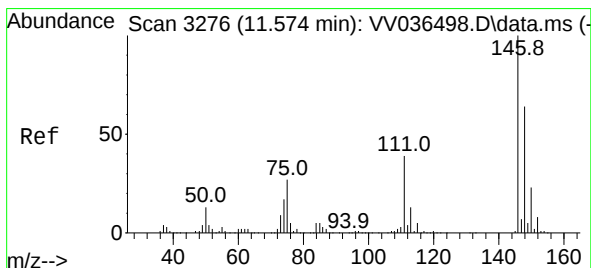
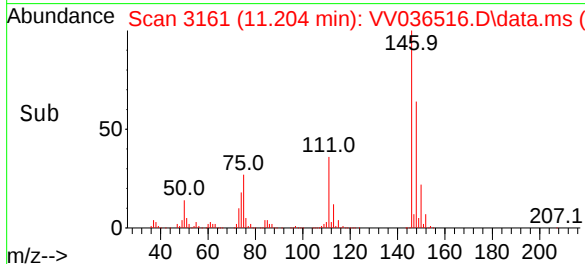
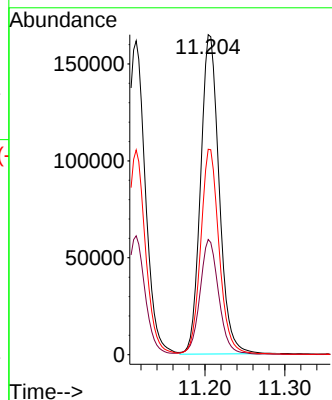
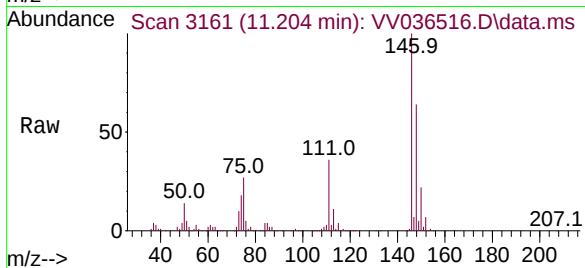
Tgt Ion:146 Resp: 266626

Ion Ratio Lower Upper

146 100

111 36.0 25.2 46.8

148 64.2 45.2 84.0



#67

1,2-Dichlorobenzene

Concen: 25.843 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. 0.000 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

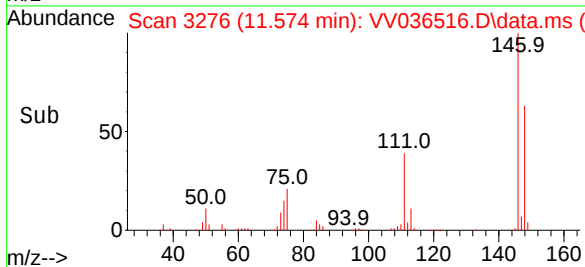
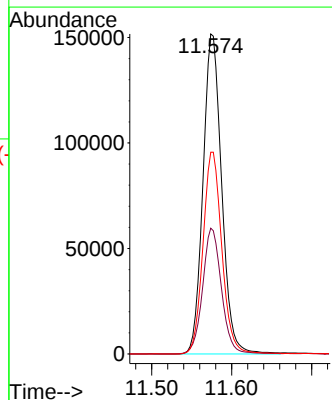
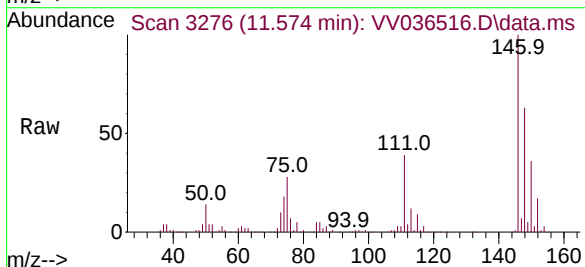
Tgt Ion:146 Resp: 246819

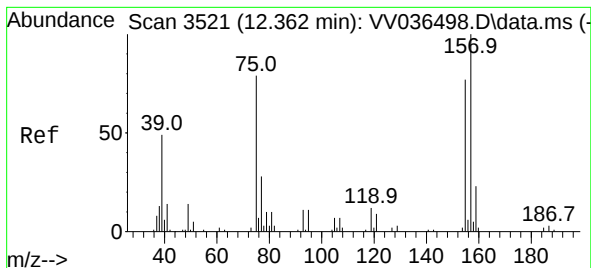
Ion Ratio Lower Upper

146 100

111 39.3 30.8 46.2

148 63.0 51.3 76.9





#68

1,2-Dibromo-3-chloropropane

Concen: 27.909 ug/L

RT: 12.362 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

ClientSampleId :

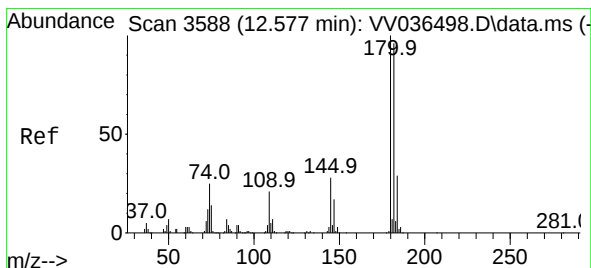
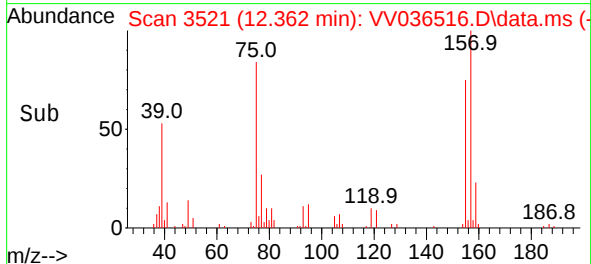
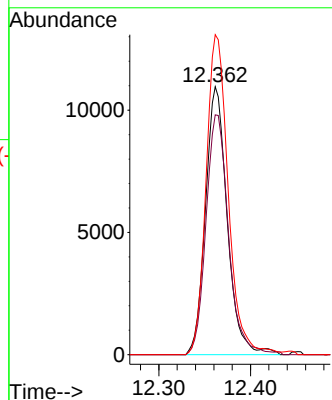
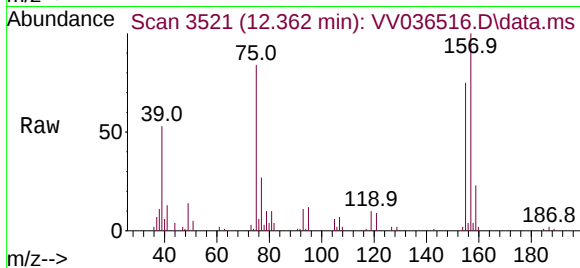
Tgt Ion: 75 Resp: 18080

Ion Ratio Lower Upper

75 100

155 89.5 74.6 111.8

157 119.4 95.0 142.4



#69

1,3,5-Trichlorobenzene

Concen: 24.236 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.000 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Tgt Ion:180 Resp: 186512

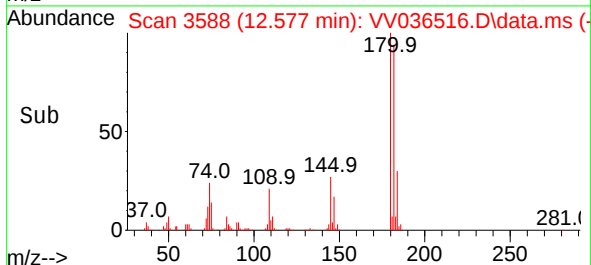
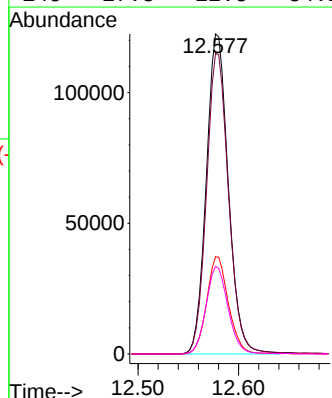
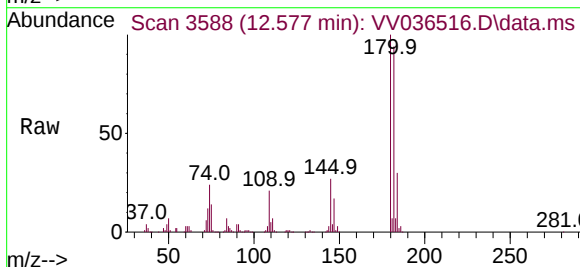
Ion Ratio Lower Upper

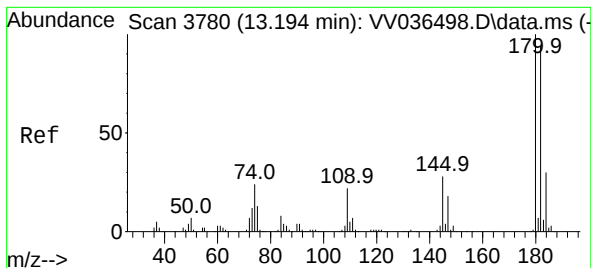
180 100

182 94.1 77.4 116.0

184 30.1 24.4 36.6

145 27.3 22.8 34.2





#70

1,2,4-trichlorobenzene

Concen: 24.537 ug/L

RT: 13.194 min Scan# 3

Delta R.T. 0.000 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

Instrument :

MSVOA_V

ClientSampleId :

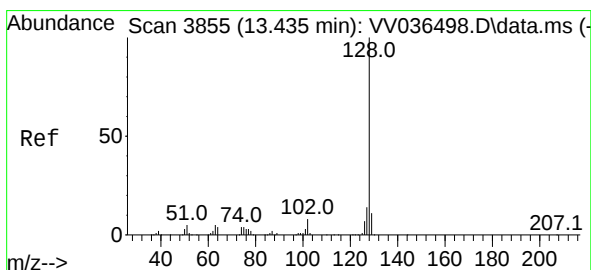
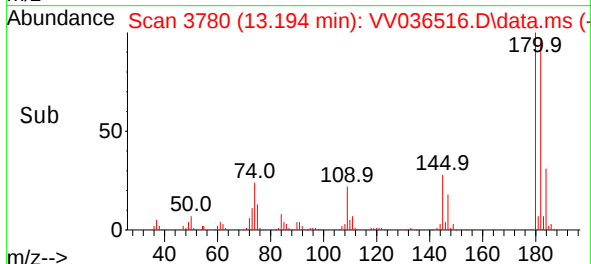
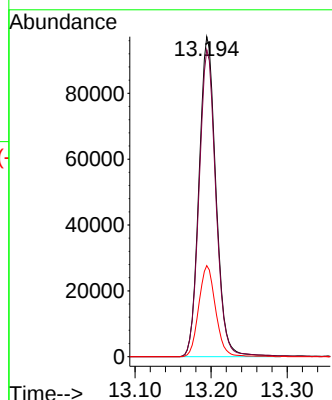
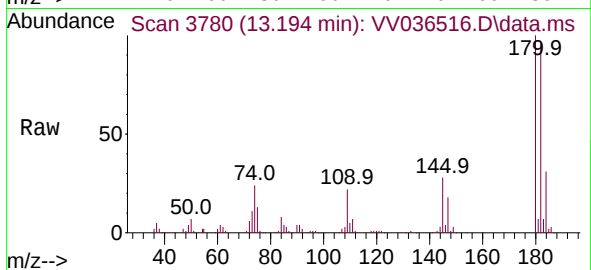
Tgt Ion:180 Resp: 150182

Ion Ratio Lower Upper

180 100

182 95.5 76.7 115.1

145 28.2 23.0 34.6



#71

Naphthalene

Concen: 25.892 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV036516.D

Acq: 12 Jul 2024 18:52

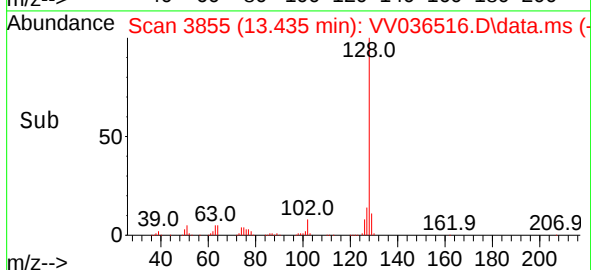
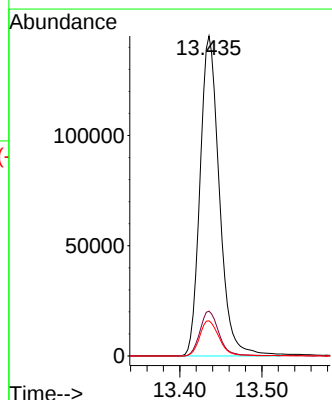
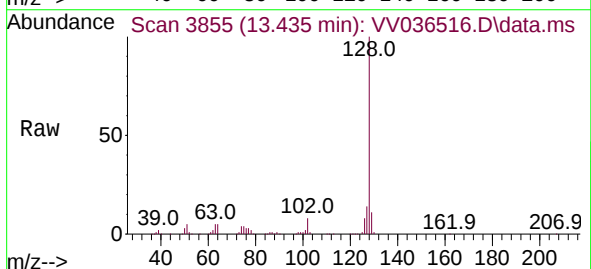
Tgt Ion:128 Resp: 238011

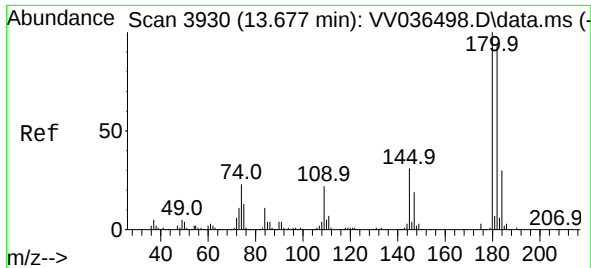
Ion Ratio Lower Upper

128 100

127 13.8 10.8 16.2

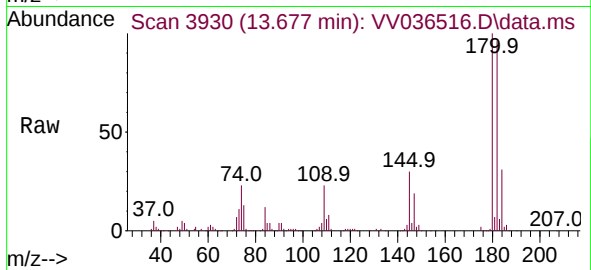
129 10.9 8.6 13.0





#72
 1,2,3-Trichlorobenzene
 Concen: 26.959 ug/L
 RT: 13.677 min Scan# 3930
 Delta R.T. 0.000 min
 Lab File: VV036516.D
 Acq: 12 Jul 2024 18:52

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	180	Resp:	156110
Ion Ratio	Lower	Upper	
180	100		
182	96.0	76.6	114.8
145	30.2	24.4	36.6

