

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071724\
 Data File : VV036598.D
 Acq On : 17 Jul 2024 17:02
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.37g/10.0mL/MSVOA_V/SOIL/B
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 18 01:29:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 18 01:25:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	287503	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	311455	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	183957	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	78826	19.137	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.560%
7) Chloroethane-d5	1.526	69	71985	19.989	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.960%
11) 1,1-Dichloroethene-d2	2.050	65	39648	18.745	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.960%
21) 2-Butanone-d5	3.844	46	32369	45.914	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.820%
24) Chloroform-d	4.243	84	178497	21.329	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.320%
26) 1,2-Dichloroethane-d4	4.937	65	89909	21.661	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.640%
32) Benzene-d6	4.953	84	318514	20.499	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.000%
36) 1,2-Dichloropropane-d6	5.986	67	92392	19.952	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	79.800%
41) Toluene-d8	7.239	98	310029	21.625	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.480%
43) trans-1,3-Dichloroprop...	7.551	79	39202	20.361	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.440%
47) 2-Hexanone-d5	8.030	63	23652	45.988	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.980%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	82222	21.082	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.320%
66) 1,2-Dichlorobenzene-d4	11.558	152	127353	20.400	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	81886	19.652	ug/L	99
3) Chloromethane	1.211	50	68859	20.593	ug/L	98
5) Vinyl chloride	1.275	62	85204	20.708	ug/L	99
6) Bromomethane	1.481	94	70490	21.233	ug/L	99
8) Chloroethane	1.542	64	61531	21.617	ug/L	99
9) Trichlorofluoromethane	1.706	101	160950	22.040	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	107673	21.867	ug/L	98
12) 1,1-Dichloroethene	2.060	96	91841	21.624	ug/L	85
13) Acetone	2.056	43	1097	1.101	ug/L	69
14) Carbon disulfide	2.230	76	172970	18.139	ug/L	99
15) Methyl Acetate	2.388	43	32804	24.360	ug/L	98
16) Methylene chloride	2.439	84	121980	20.637	ug/L	95
17) trans-1,2-Dichloroethene	2.687	96	85986	22.278	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	215569	24.924	ug/L	99
19) 1,1-Dichloroethane	3.105	63	164965	23.613	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	94842	23.642	ug/L	99
22) 2-Butanone	3.918	43	31903	38.126	ug/L #	79
23) Bromochloromethane	4.140	128	58901	25.852	ug/L	94
25) Chloroform	4.269	83	204165	24.612	ug/L	100

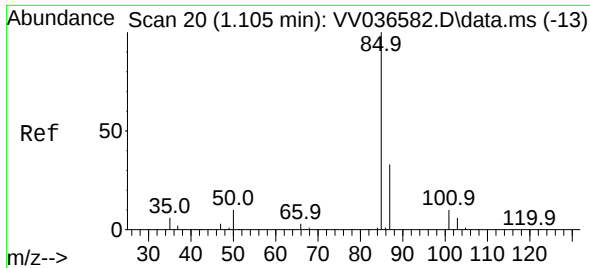
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071724\
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 Quant Title : VOC Analysis
 QLast Update : Thu Jul 18 01:25:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	119297	25.601	ug/L	100
29) Cyclohexane	4.574	56	74350	18.765	ug/L	97
30) 1,1,1-Trichloroethane	4.506	97	167481	23.132	ug/L	99
31) Carbon tetrachloride	4.725	117	144485	22.501	ug/L	99
33) Benzene	5.002	78	358652	23.269	ug/L	100
34) Trichloroethene	5.828	95	113377	23.116	ug/L	99
35) Methylcyclohexane	6.047	83	112482	20.095	ug/L	97
37) 1,2-Dichloropropane	6.088	63	94081	24.187	ug/L	98
38) Bromodichloromethane	6.429	83	147591	23.946	ug/L	97
39) cis-1,3-Dichloropropene	6.950	75	134937	22.496	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	90281	51.073	ug/L	97
42) Toluene	7.310	91	415540	25.444	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	130898	24.476	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	96885	25.276	ug/L	99
46) Tetrachloroethene	7.902	164	92215	23.253	ug/L	98
48) 2-Hexanone	8.079	43	65728	50.127	ug/L	99
49) Dibromochloromethane	8.172	129	116431	25.120	ug/L	98
50) 1,2-Dibromoethane	8.281	107	93066	25.871	ug/L	99
51) Chlorobenzene	8.812	112	297965	24.361	ug/L	98
52) Ethylbenzene	8.944	91	433561	24.748	ug/L	99
53) m,p-Xylene	9.072	106	173539	25.729	ug/L	99
54) o-Xylene	9.477	106	164533	25.621	ug/L	99
55) Styrene	9.493	104	319277	27.788	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	87586	25.024	ug/L	98
59) Bromoform	9.664	173	79802	24.477	ug/L	97
60) Isopropylbenzene	9.863	105	443983	24.159	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	79243	24.212	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	319262	24.259	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	361263	25.227	ug/L	98
64) 1,3-Dichlorobenzene	11.114	146	264548	24.350	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	279222	23.935	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	258310	24.742	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	17172	24.250	ug/L	99
69) 1,3,5-Trichlorobenzene	12.580	180	196521	23.362	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	152586	22.807	ug/L	99
71) Naphthalene	13.435	128	220516	21.946	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	154632	24.430	ug/L	99

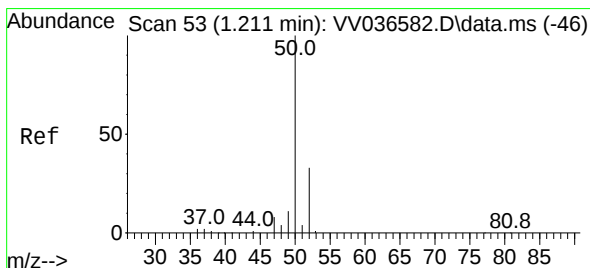
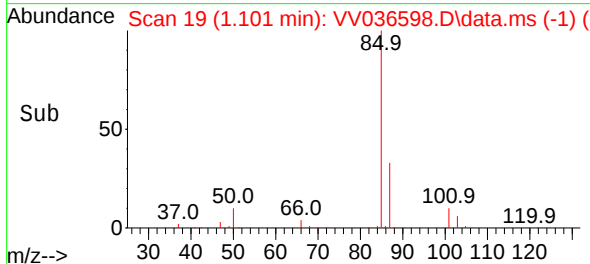
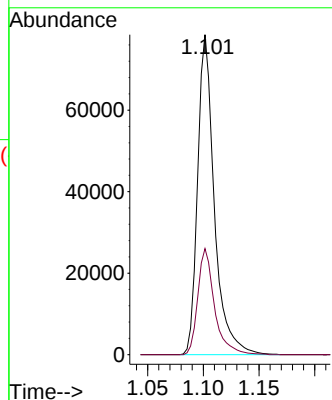
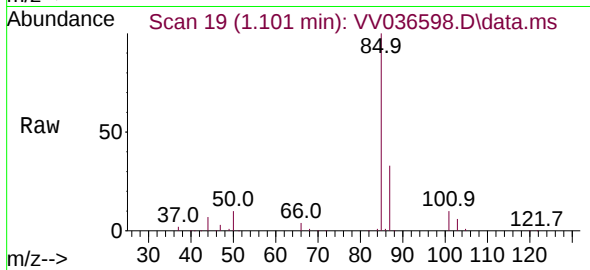
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 19.652 ug/L
RT: 1.101 min Scan# 19
Delta R.T. -0.003 min
Lab File: VV036598.D
Acq: 17 Jul 2024 17:02

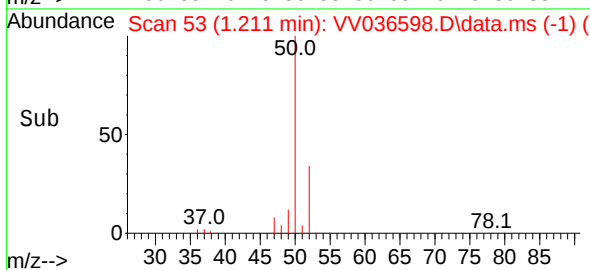
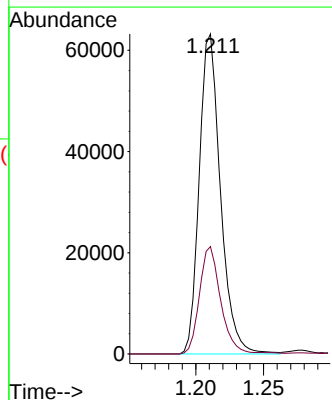
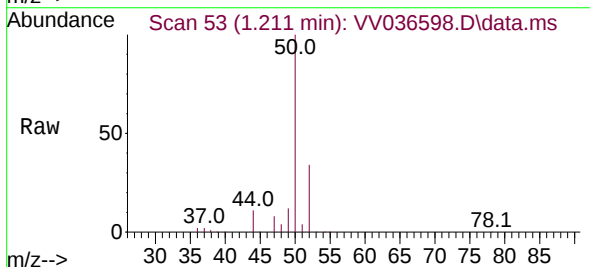
Instrument :
MSVOA_V
ClientSampleId :

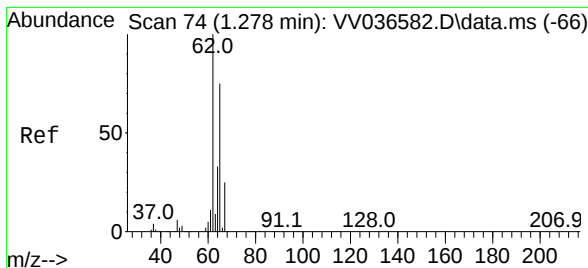
Tgt Ion: 85 Resp: 81886
Ion Ratio Lower Upper
85 100
87 33.2 26.2 39.2



#3
Chloromethane
Concen: 20.593 ug/L
RT: 1.211 min Scan# 53
Delta R.T. 0.000 min
Lab File: VV036598.D
Acq: 17 Jul 2024 17:02

Tgt Ion: 50 Resp: 68859
Ion Ratio Lower Upper
50 100
52 33.6 24.4 45.4





#5

Vinyl chloride

Concen: 20.708 ug/L

RT: 1.275 min Scan# 74

Delta R.T. -0.003 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Instrument :

MSVOA_V

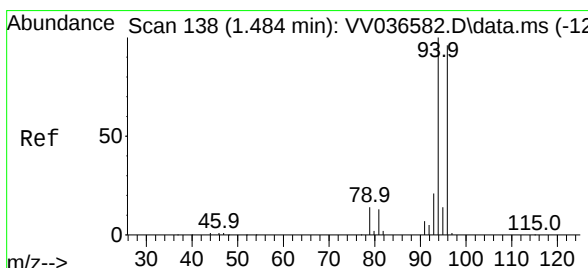
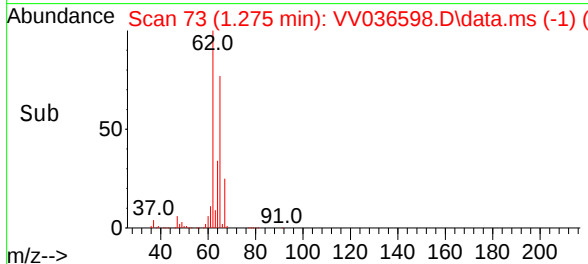
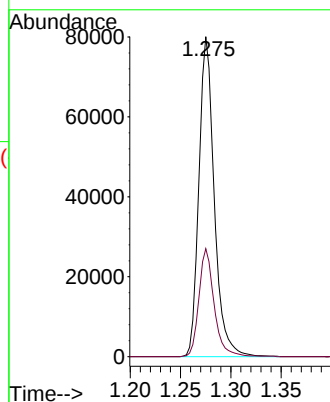
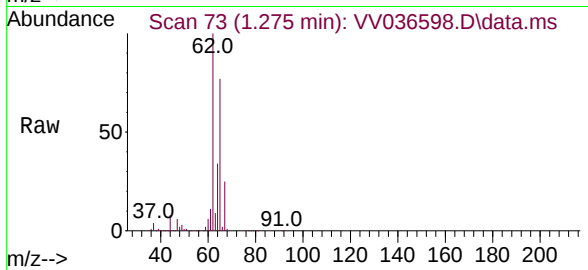
ClientSampleId :

Tgt Ion: 62 Resp: 85204

Ion Ratio Lower Upper

62 100

64 33.7 23.4 43.4



#6

Bromomethane

Concen: 21.233 ug/L

RT: 1.481 min Scan# 137

Delta R.T. -0.003 min

Lab File: VV036598.D

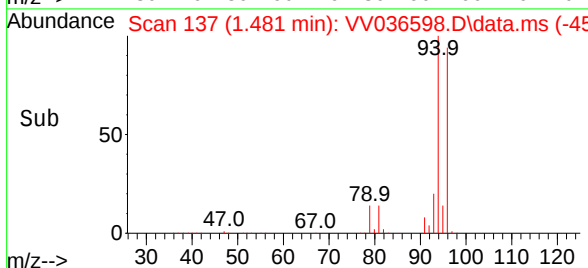
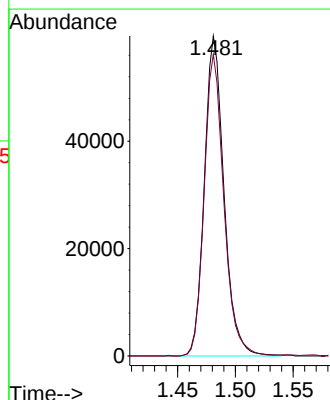
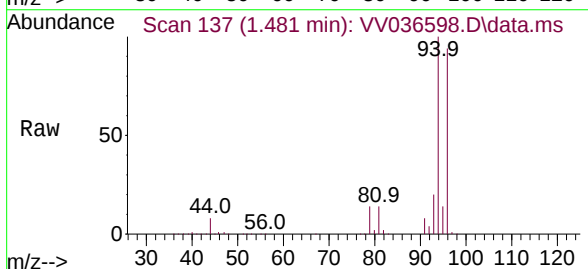
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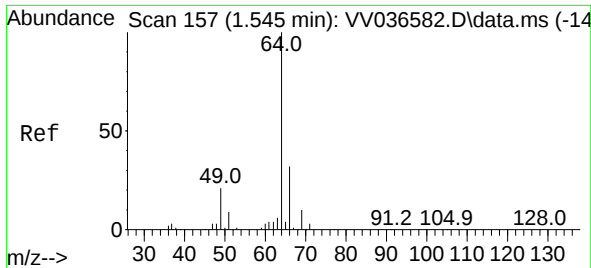
Tgt Ion: 94 Resp: 70490

Ion Ratio Lower Upper

94 100

96 94.3 65.6 121.8

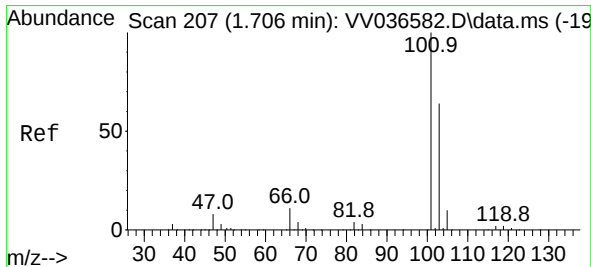
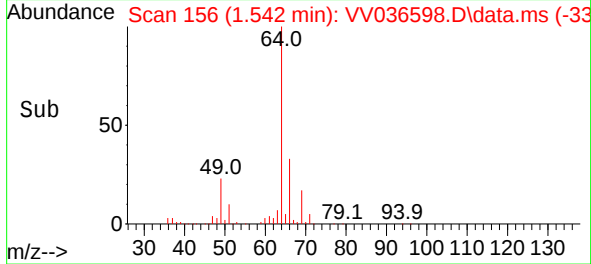
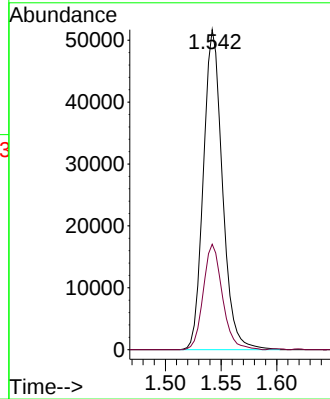
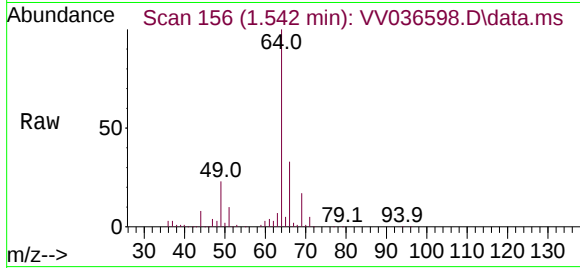




#8
Chloroethane
Concen: 21.617 ug/L
RT: 1.542 min Scan# 157
Delta R.T. -0.003 min
Lab File: VV036598.D
Acq: 17 Jul 2024 17:02

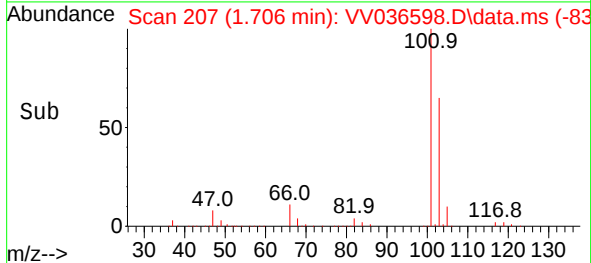
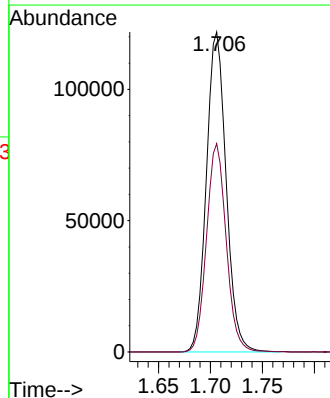
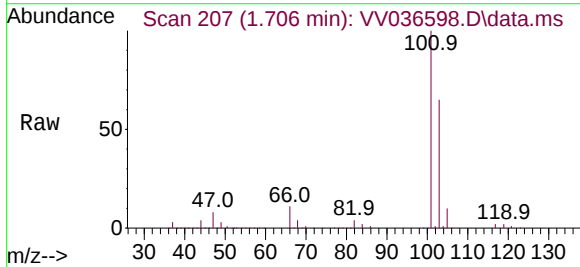
Instrument :
MSVOA_V
ClientSampleId :

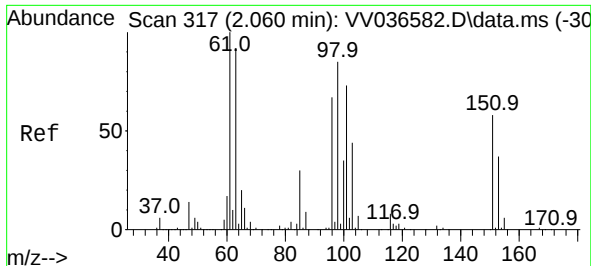
Tgt Ion: 64 Resp: 61531
Ion Ratio Lower Upper
64 100
66 32.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 22.040 ug/L
RT: 1.706 min Scan# 207
Delta R.T. 0.000 min
Lab File: VV036598.D
Acq: 17 Jul 2024 17:02

Tgt Ion:101 Resp: 160950
Ion Ratio Lower Upper
101 100
103 64.8 51.9 77.9

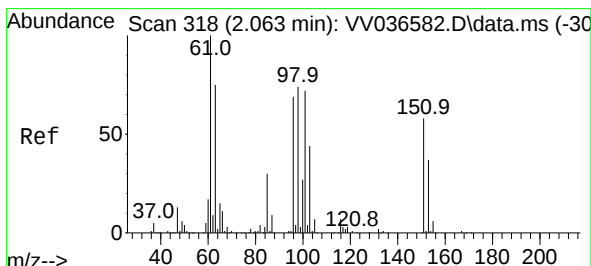
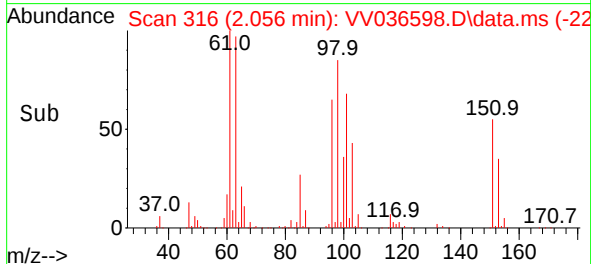
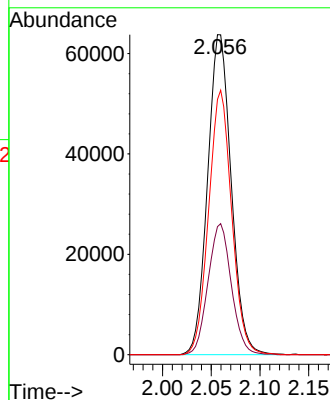
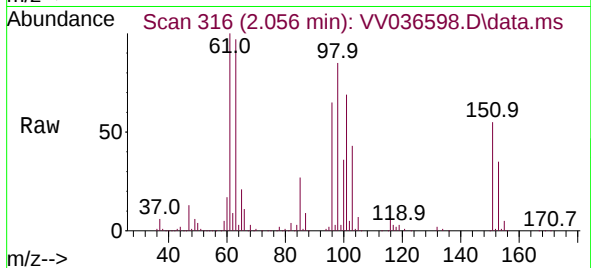




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 21.867 ug/L
RT: 2.056 min Scan# 316
Delta R.T. -0.003 min
Lab File: VV036598.D
Acq: 17 Jul 2024 17:02

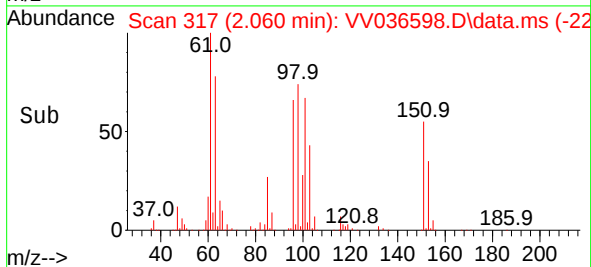
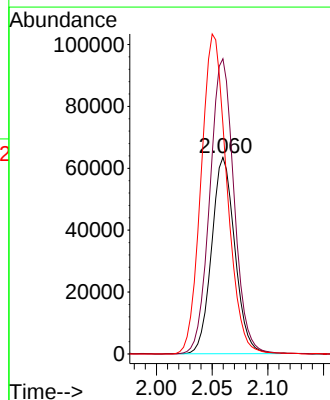
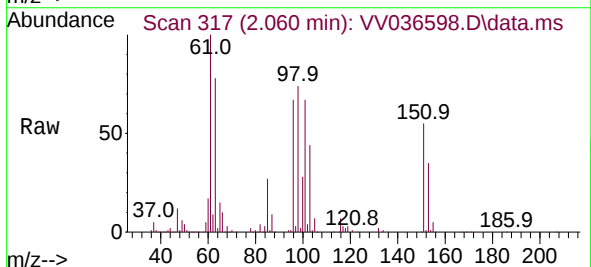
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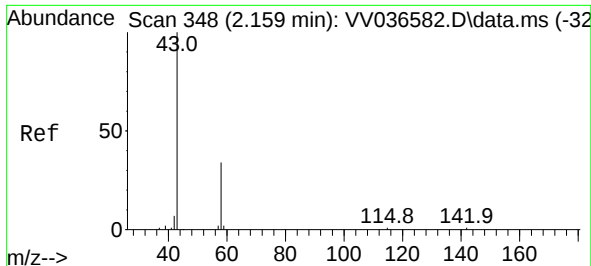
Tgt Ion:101 Resp: 107673
Ion Ratio Lower Upper
101 100
85 40.3 32.5 48.7
151 80.6 62.6 94.0



#12
1,1-Dichloroethene
Concen: 21.624 ug/L
RT: 2.060 min Scan# 317
Delta R.T. -0.003 min
Lab File: VV036598.D
Acq: 17 Jul 2024 17:02

Tgt Ion: 96 Resp: 91841
Ion Ratio Lower Upper
96 100
61 150.2 110.8 205.8
63 116.8 103.9 192.9





#13

Acetone

Concen: 1.101 ug/L

RT: 2.056 min Scan# 316

Delta R.T. -0.103 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Instrument :

MSVOA_V

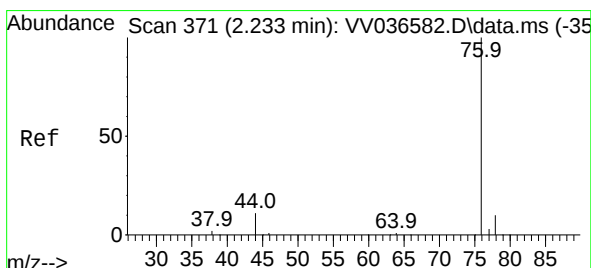
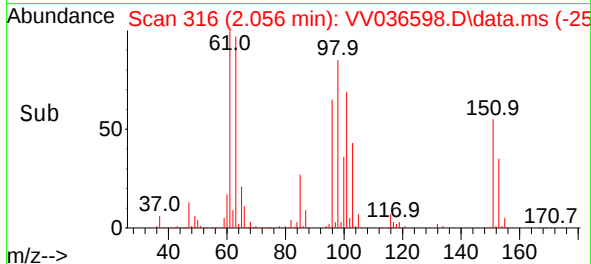
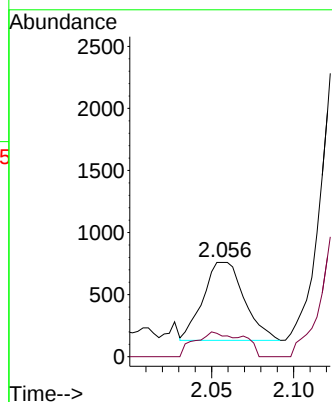
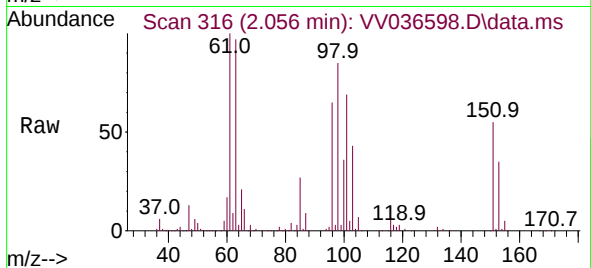
ClientSampleId :

Tgt Ion: 43 Resp: 1097

Ion Ratio Lower Upper

43 100

58 27.0 0.0 28.4



#14

Carbon disulfide

Concen: 18.139 ug/L

RT: 2.230 min Scan# 370

Delta R.T. -0.003 min

Lab File: VV036598.D

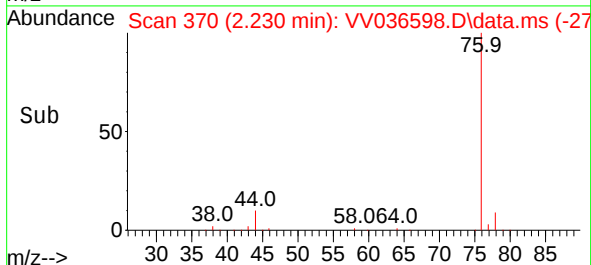
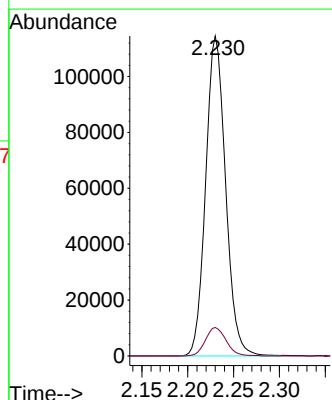
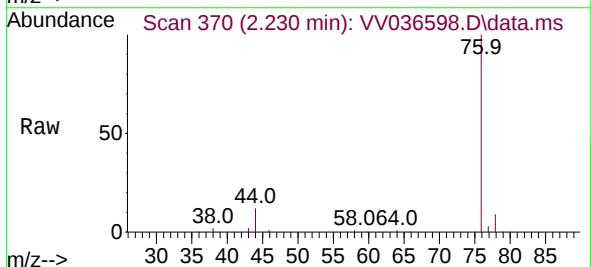
Acq: 17 Jul 2024 17:02

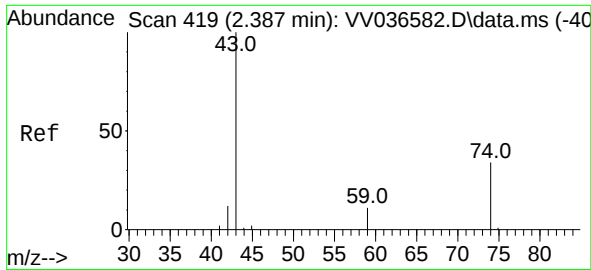
Tgt Ion: 76 Resp: 172970

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2





#15

Methyl Acetate

Concen: 24.360 ug/L

RT: 2.388 min Scan# 419

Delta R.T. 0.000 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Instrument :

MSVOA_V

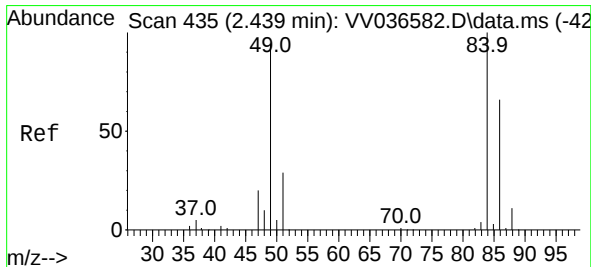
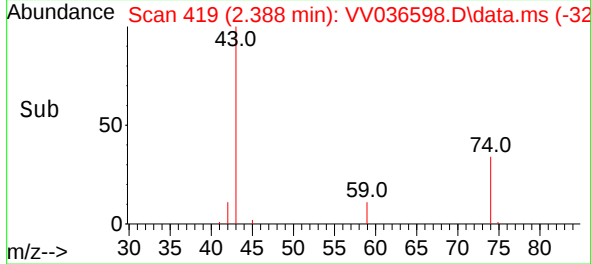
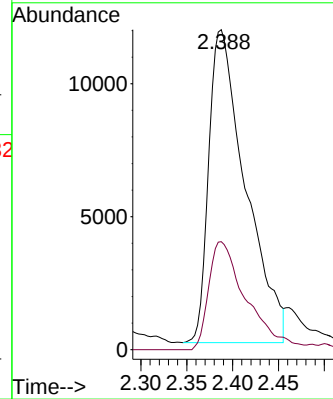
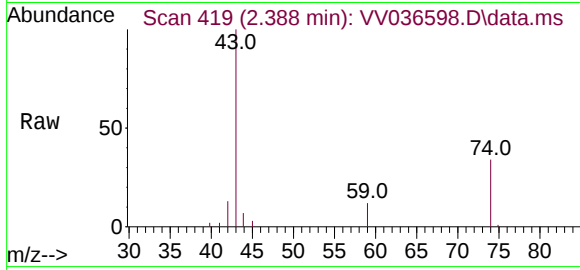
ClientSampleId :

Tgt Ion: 43 Resp: 32804

Ion Ratio Lower Upper

43 100

74 34.0 26.3 39.5



#16

Methylene chloride

Concen: 20.637 ug/L

RT: 2.439 min Scan# 435

Delta R.T. 0.000 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

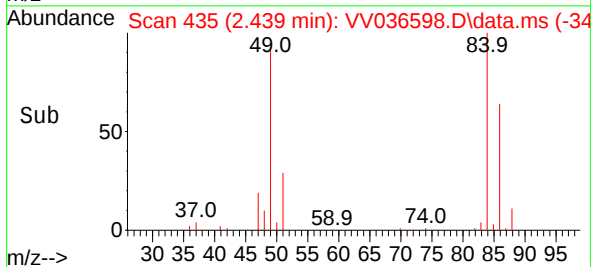
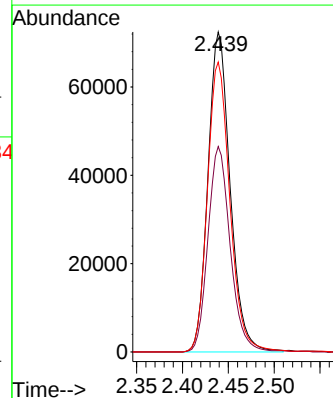
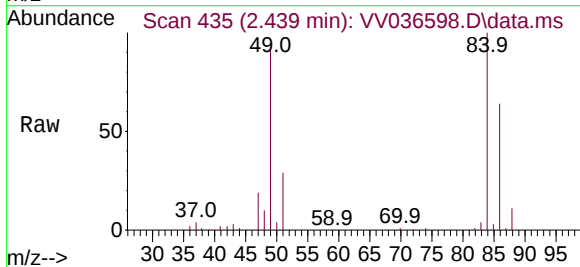
Tgt Ion: 84 Resp: 121980

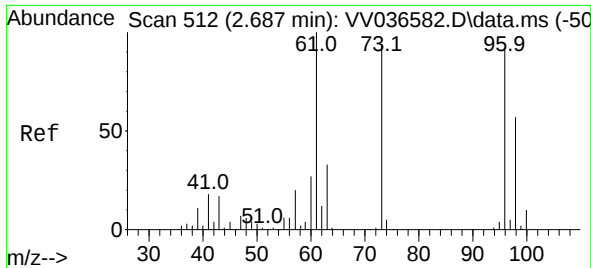
Ion Ratio Lower Upper

84 100

86 64.2 46.3 86.1

49 90.6 68.1 126.5





#17

trans-1,2-Dichloroethene

Concen: 22.278 ug/L

RT: 2.687 min Scan# 512

Delta R.T. 0.000 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Instrument :

MSVOA_V

ClientSampleId :

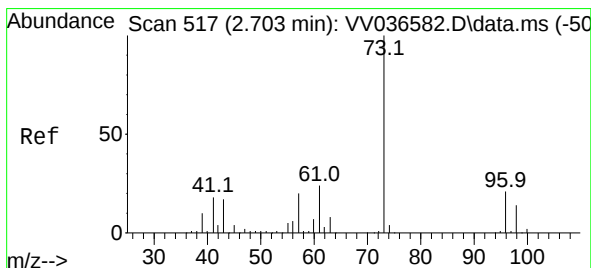
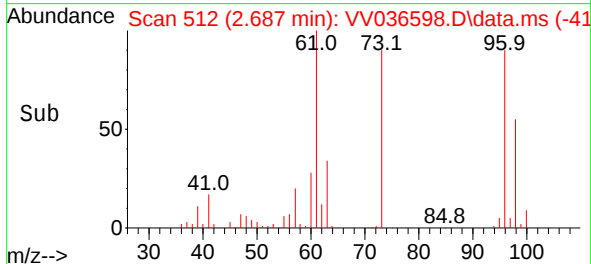
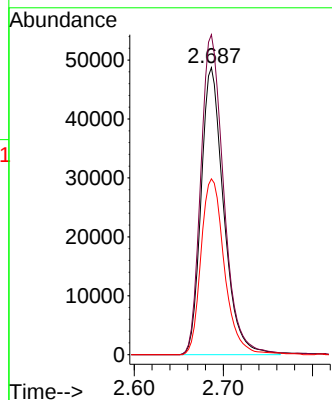
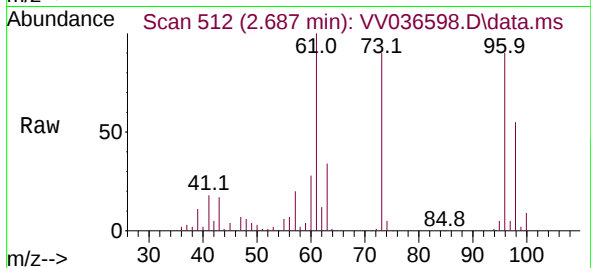
Tgt Ion: 96 Resp: 85986

Ion Ratio Lower Upper

96 100

61 111.5 80.7 149.9

98 61.2 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 24.924 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

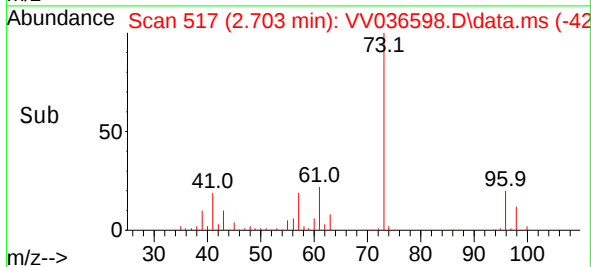
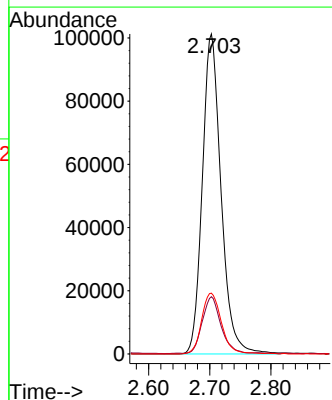
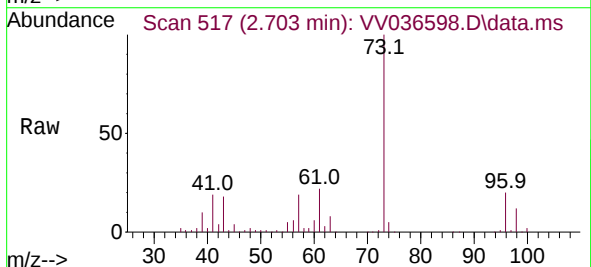
Tgt Ion: 73 Resp: 215569

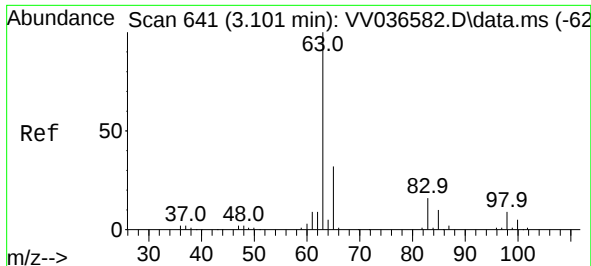
Ion Ratio Lower Upper

73 100

43 17.5 14.3 21.5

57 20.0 16.5 24.7





#19

1,1-Dichloroethane

Concen: 23.613 ug/L

RT: 3.105 min Scan# 641

Delta R.T. 0.003 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Instrument :

MSVOA_V

ClientSampleId :

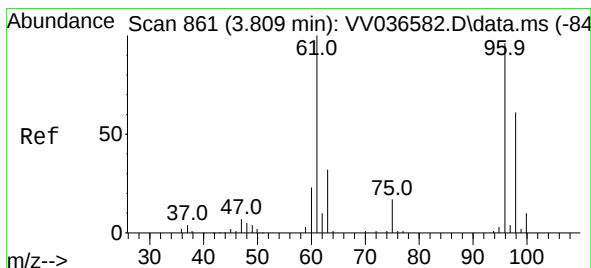
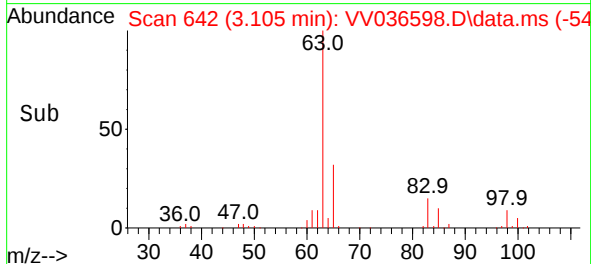
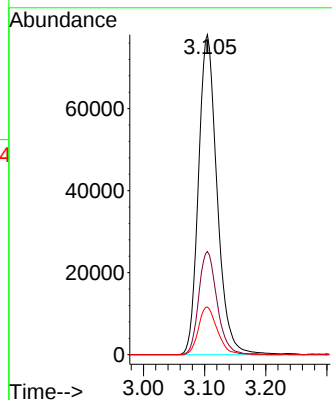
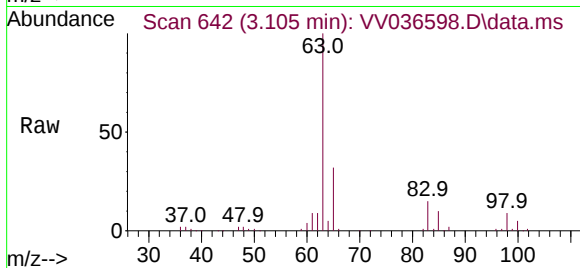
Tgt Ion: 63 Resp: 164965

Ion Ratio Lower Upper

63 100

65 32.2 22.7 42.1

83 14.9 10.9 20.2



#20

cis-1,2-Dichloroethene

Concen: 23.642 ug/L

RT: 3.809 min Scan# 861

Delta R.T. 0.000 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

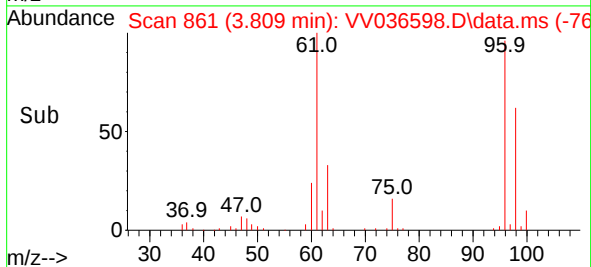
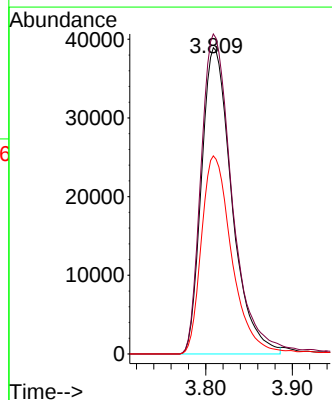
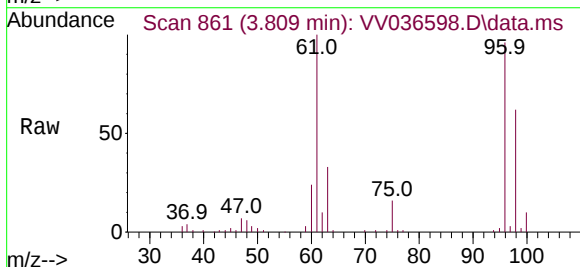
Tgt Ion: 96 Resp: 94842

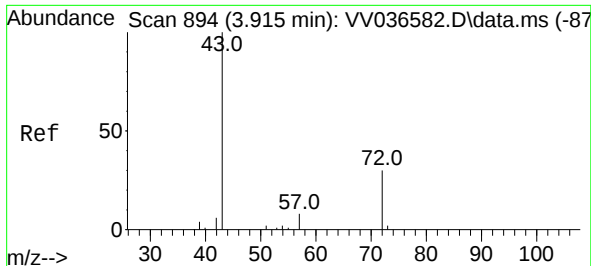
Ion Ratio Lower Upper

96 100

61 104.5 74.8 138.8

98 64.7 45.2 84.0





#22

2-Butanone

Concen: 38.126 ug/L

RT: 3.918 min Scan# 894

Delta R.T. 0.003 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Instrument :

MSVOA_V

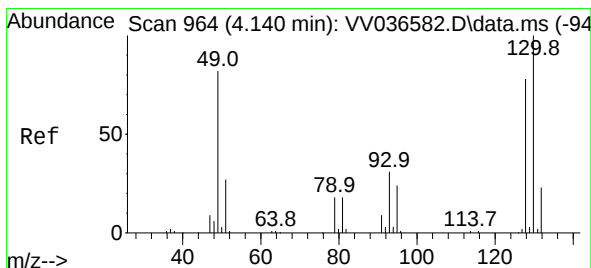
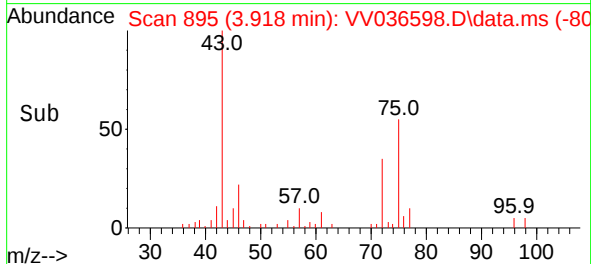
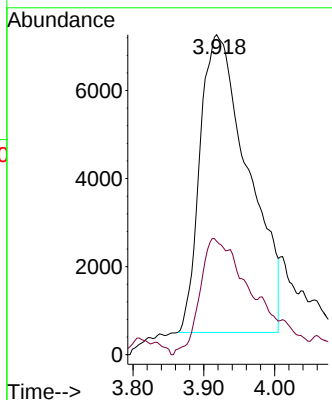
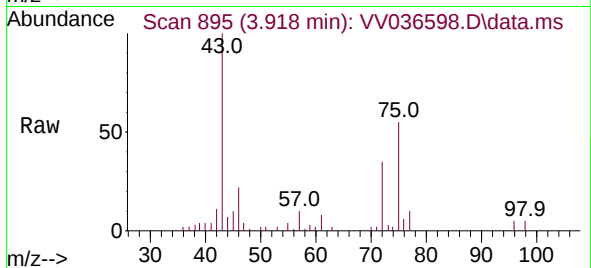
ClientSampleId :

Tgt Ion: 43 Resp: 31903

Ion Ratio Lower Upper

43 100

72 19.9 5.9 17.6#



#23

Bromochloromethane

Concen: 25.852 ug/L

RT: 4.140 min Scan# 964

Delta R.T. 0.000 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Tgt Ion: 128 Resp: 58901

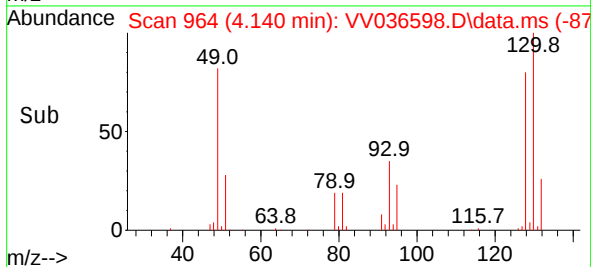
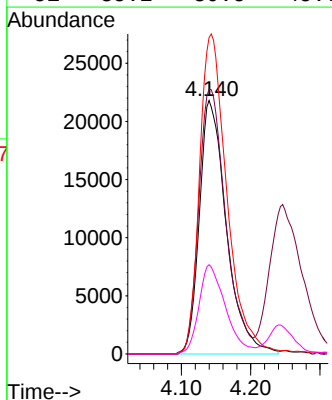
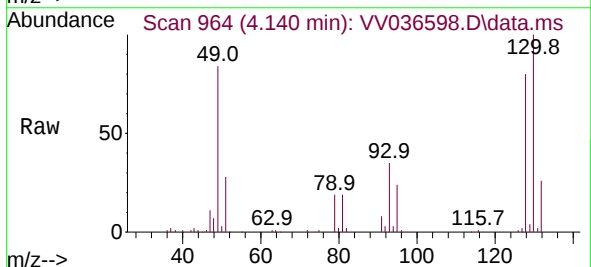
Ion Ratio Lower Upper

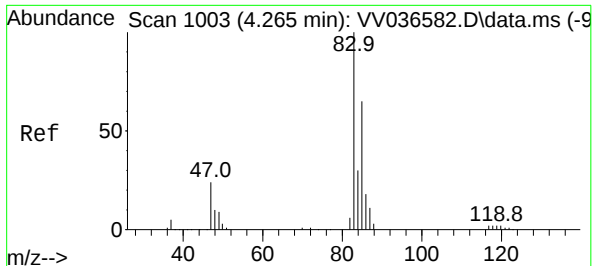
128 100

49 104.5 80.7 149.9

130 124.9 89.9 167.0

51 35.2 30.5 45.7





#25

Chloroform

Concen: 24.612 ug/L

RT: 4.269 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Instrument :

MSVOA_V

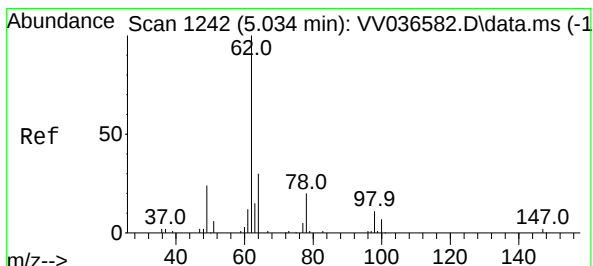
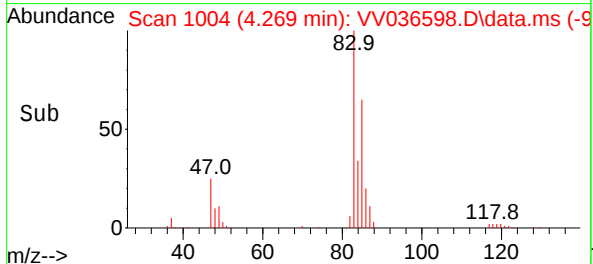
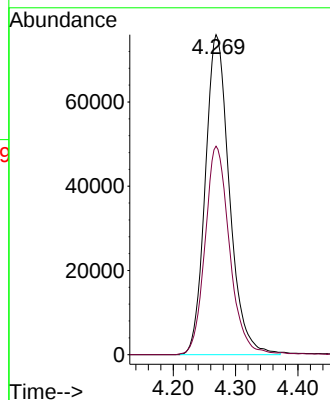
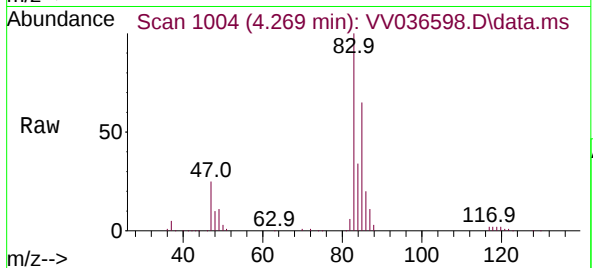
ClientSampleId :

Tgt Ion: 83 Resp: 204165

Ion Ratio Lower Upper

83 100

85 65.2 45.6 84.6



#27

1,2-Dichloroethane

Concen: 25.601 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV036598.D

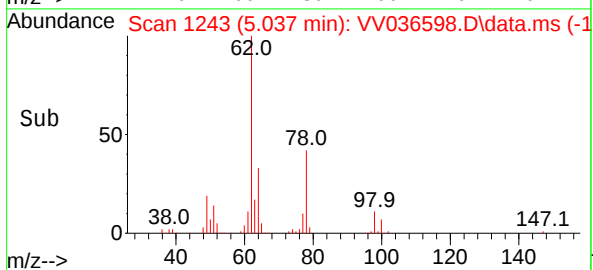
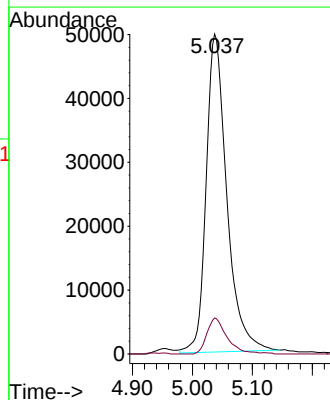
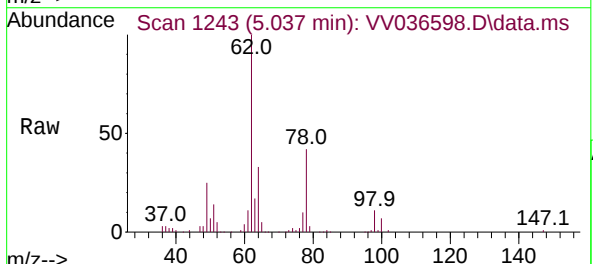
Acq: 17 Jul 2024 17:02

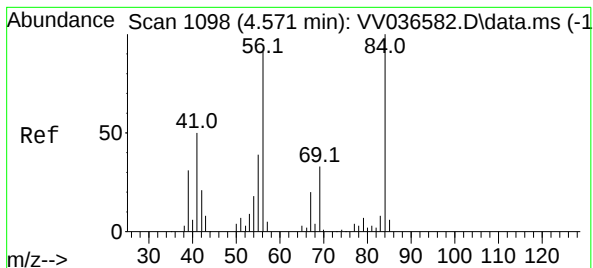
Tgt Ion: 62 Resp: 119297

Ion Ratio Lower Upper

62 100

98 11.3 8.9 13.3





#29

Cyclohexane

Concen: 18.765 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.003 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Instrument :

MSVOA_V

ClientSampleId :

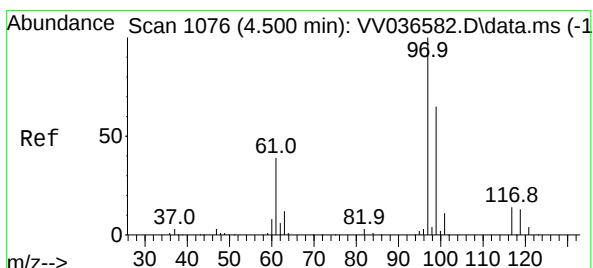
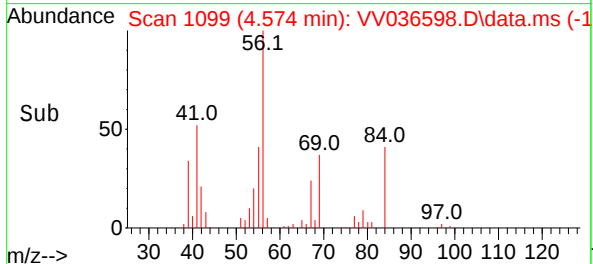
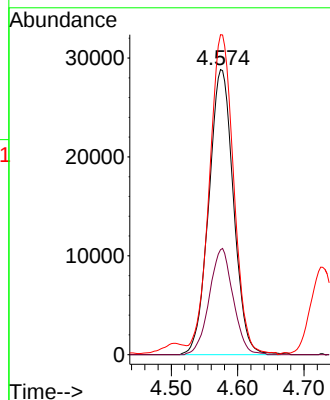
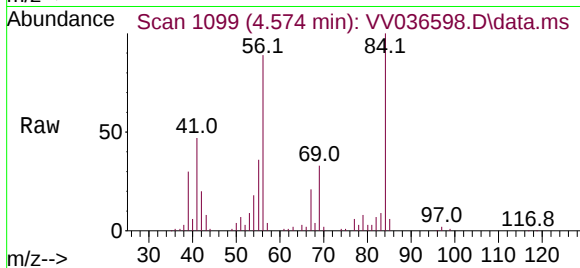
Tgt Ion: 56 Resp: 74350

Ion Ratio Lower Upper

56 100

69 36.0 27.6 41.4

84 109.7 85.4 128.2



#30

1,1,1-Trichloroethane

Concen: 23.132 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.007 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

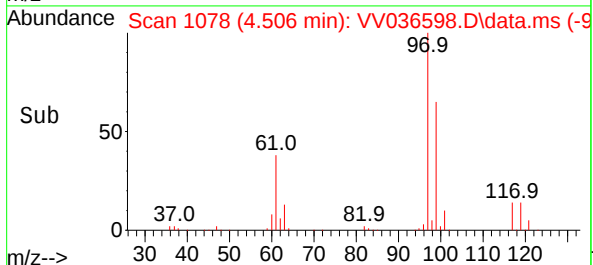
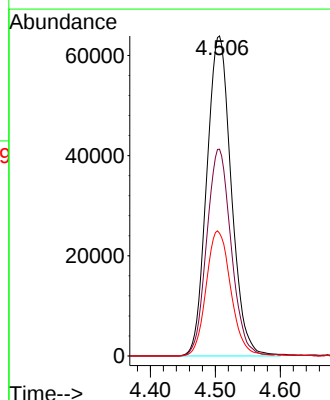
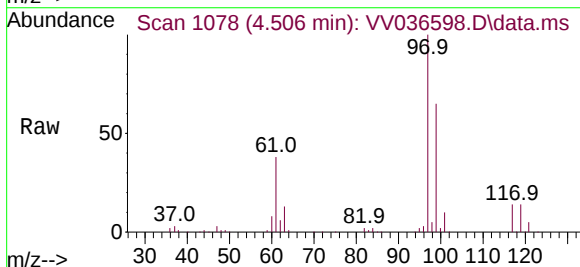
Tgt Ion: 97 Resp: 167481

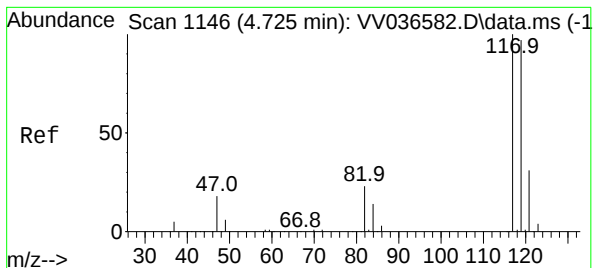
Ion Ratio Lower Upper

97 100

99 64.6 51.9 77.9

61 39.4 32.2 48.4





#31

Carbon tetrachloride

Concen: 22.501 ug/L

RT: 4.725 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Instrument :

MSVOA_V

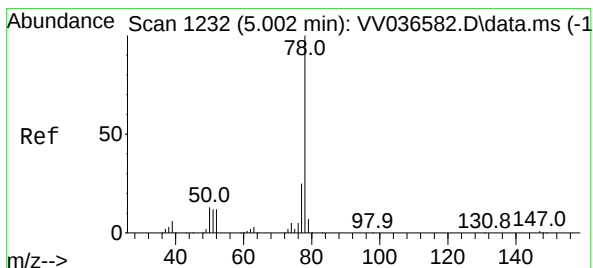
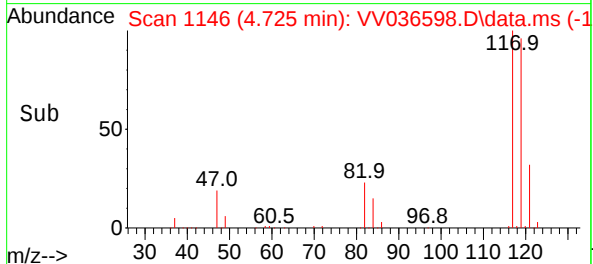
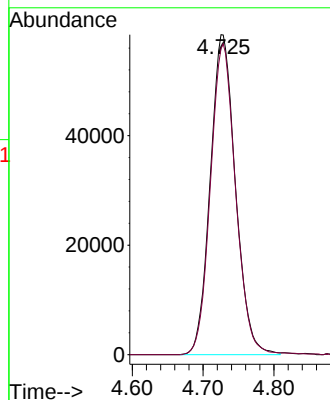
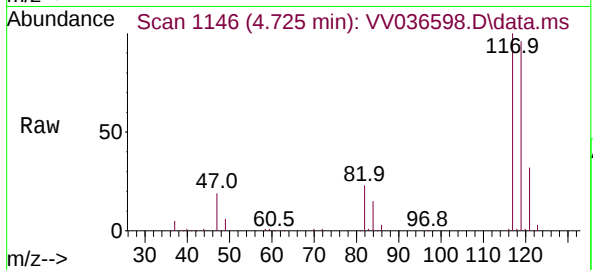
ClientSampleId :

Tgt Ion:117 Resp: 144485

Ion Ratio Lower Upper

117 100

119 96.5 77.6 116.4



#33

Benzene

Concen: 23.269 ug/L

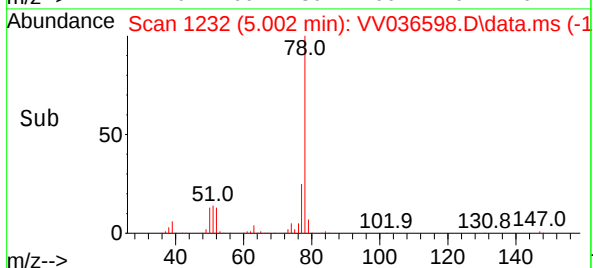
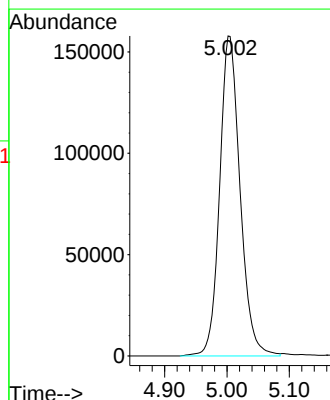
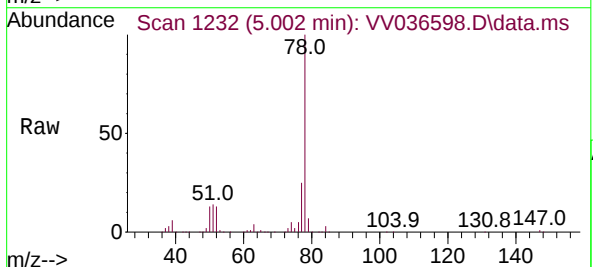
RT: 5.002 min Scan# 1232

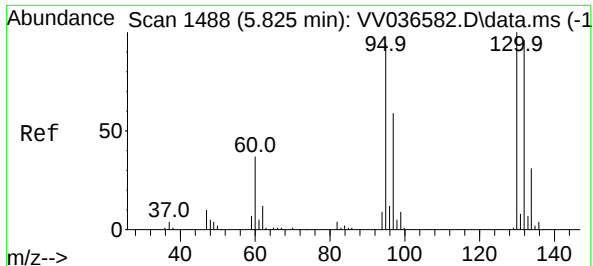
Delta R.T. 0.000 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Tgt Ion: 78 Resp: 358652





#34

Trichloroethene

Concen: 23.116 ug/L

RT: 5.828 min Scan# 1488

Delta R.T. 0.003 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 113377

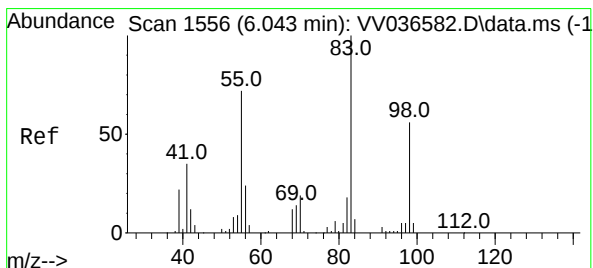
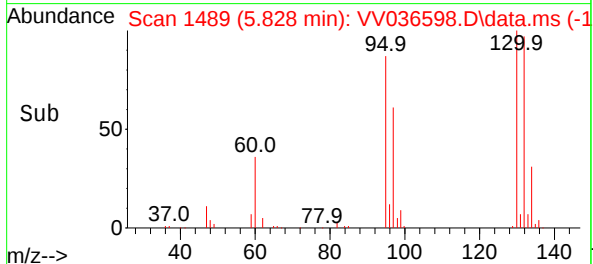
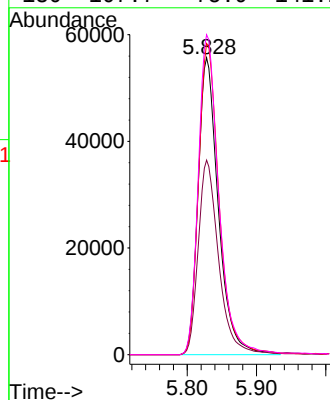
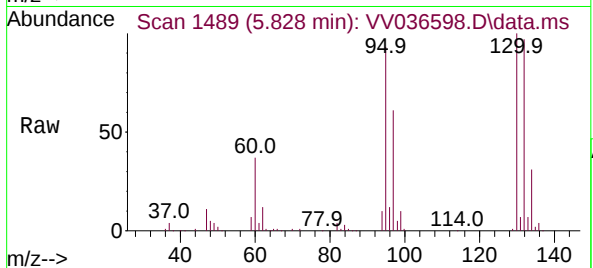
Ion Ratio Lower Upper

95 100

97 65.5 44.4 82.4

132 104.8 73.0 135.6

130 107.7 75.9 141.1



#35

Methylcyclohexane

Concen: 20.095 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.003 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

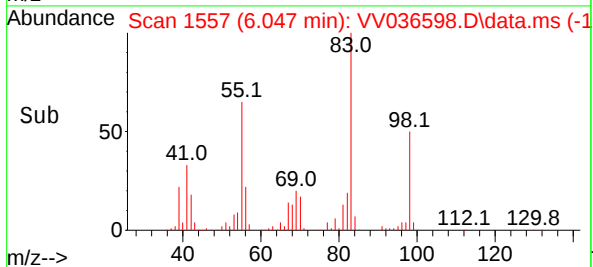
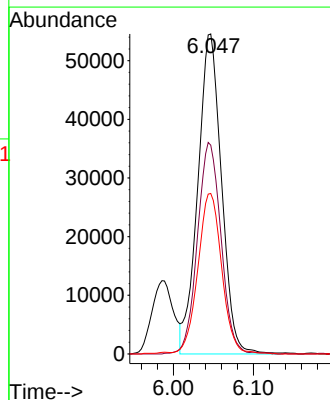
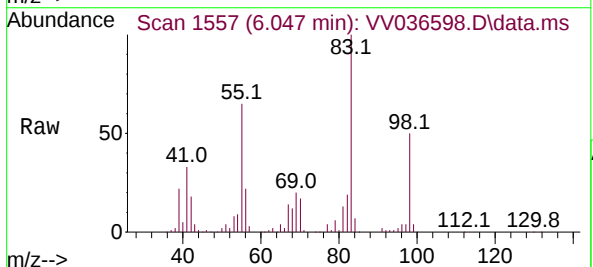
Tgt Ion: 83 Resp: 112482

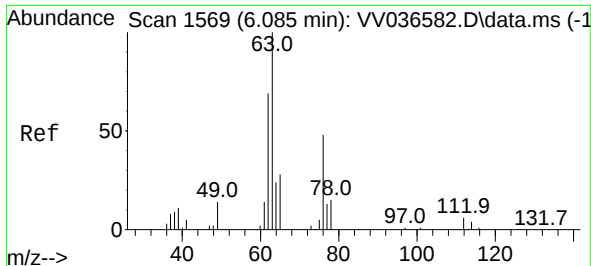
Ion Ratio Lower Upper

83 100

55 65.0 54.3 81.5

98 50.4 41.7 62.5

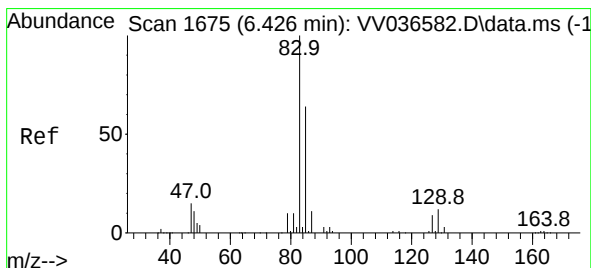
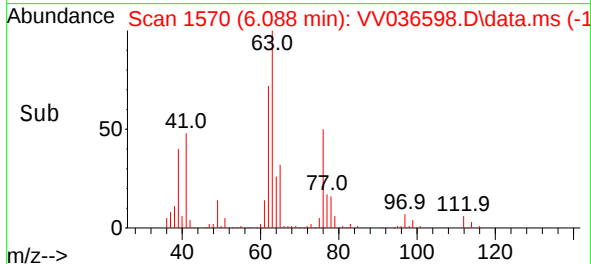
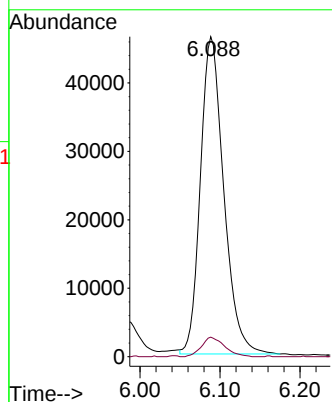
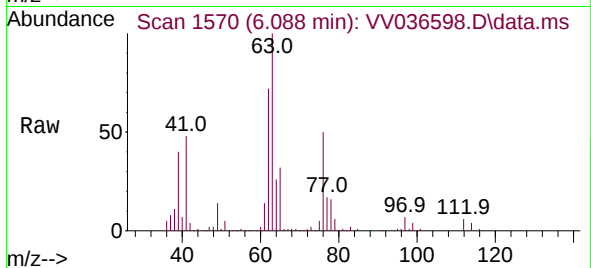




#37
1,2-Dichloropropane
Concen: 24.187 ug/L
RT: 6.088 min Scan# 1569
Delta R.T. 0.003 min
Lab File: VV036598.D
Acq: 17 Jul 2024 17:02

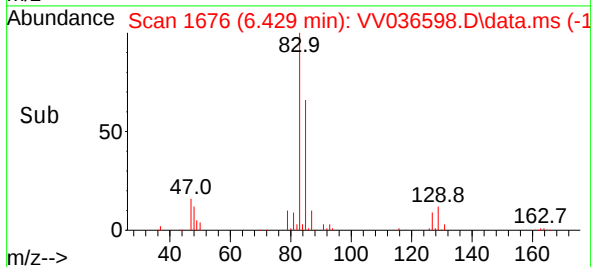
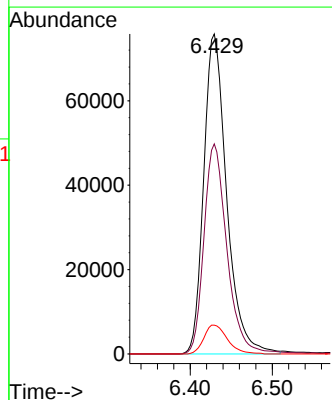
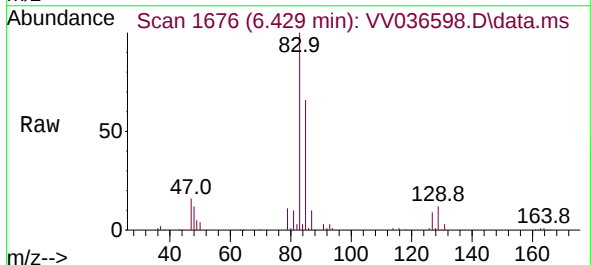
Instrument :
MSVOA_V
ClientSampleId :

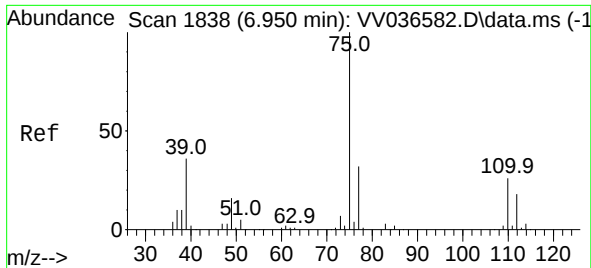
Tgt Ion: 63 Resp: 94081
Ion Ratio Lower Upper
63 100
112 6.1 4.5 6.7



#38
Bromodichloromethane
Concen: 23.946 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.003 min
Lab File: VV036598.D
Acq: 17 Jul 2024 17:02

Tgt Ion: 83 Resp: 147591
Ion Ratio Lower Upper
83 100
85 65.7 44.3 82.3
127 9.0 7.0 10.4

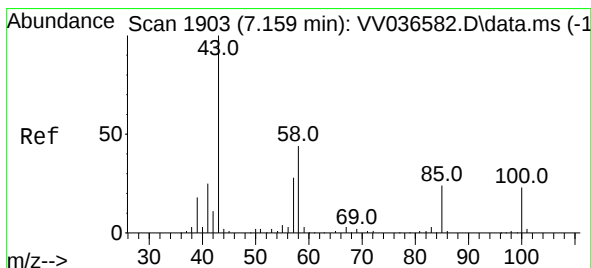
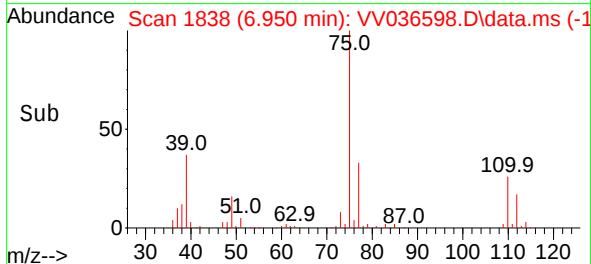
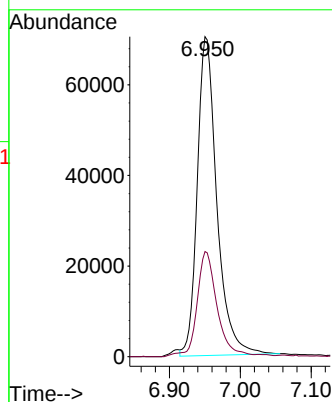
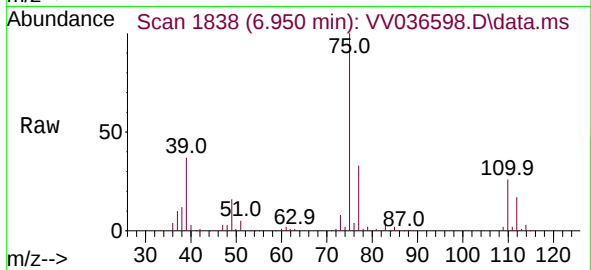




#39
 cis-1,3-Dichloropropene
 Concen: 22.496 ug/L
 RT: 6.950 min Scan# 1838
 Delta R.T. 0.000 min
 Lab File: VV036598.D
 Acq: 17 Jul 2024 17:02

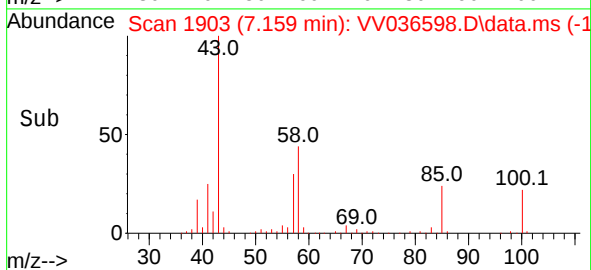
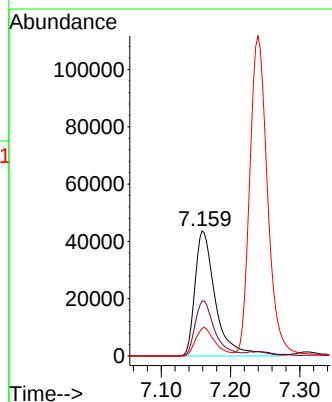
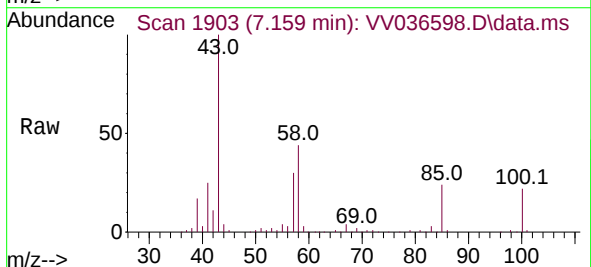
Instrument :
 MSVOA_V
 ClientSampleId :

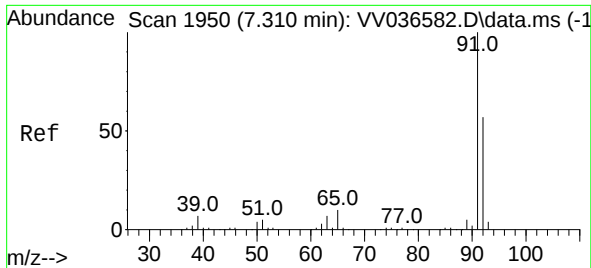
Tgt Ion: 75 Resp: 134937
 Ion Ratio Lower Upper
 75 100
 77 32.9 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 51.073 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VV036598.D
 Acq: 17 Jul 2024 17:02

Tgt Ion: 43 Resp: 90281
 Ion Ratio Lower Upper
 43 100
 58 42.3 32.9 49.3
 100 21.4 15.5 23.3





#42

Toluene

Concen: 25.444 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Instrument :

MSVOA_V

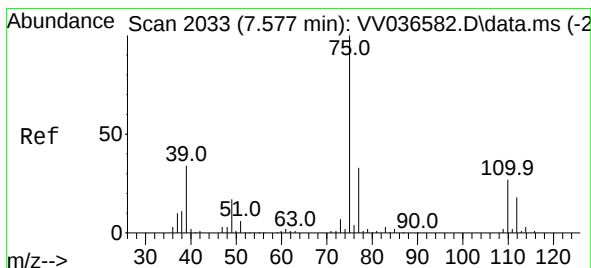
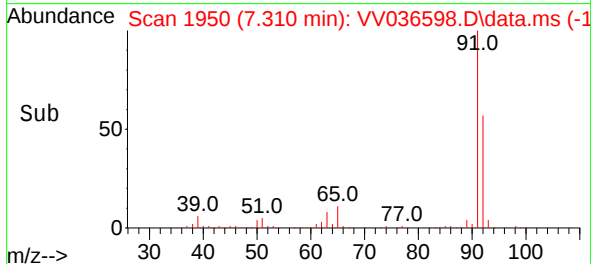
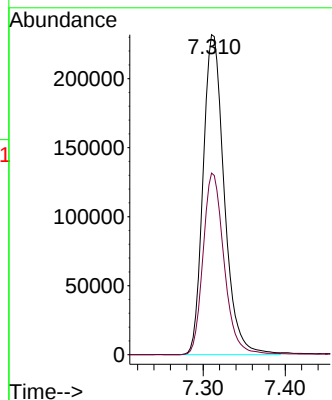
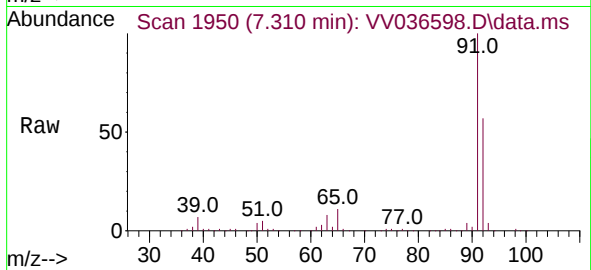
ClientSampleId :

Tgt Ion: 91 Resp: 415540

Ion Ratio Lower Upper

91 100

92 56.8 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 24.476 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV036598.D

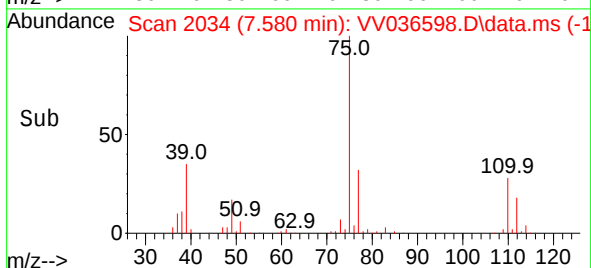
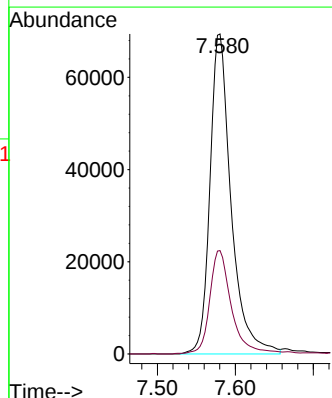
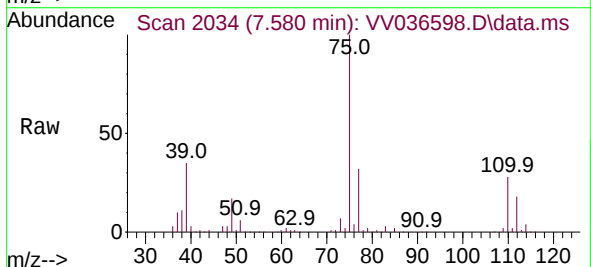
Acq: 17 Jul 2024 17:02

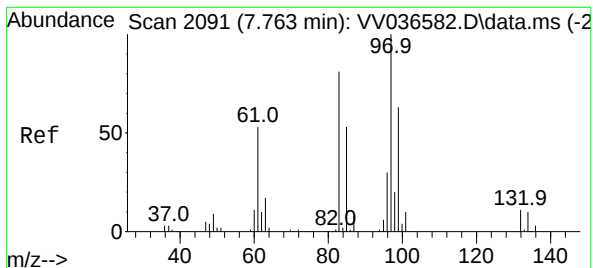
Tgt Ion: 75 Resp: 130898

Ion Ratio Lower Upper

75 100

77 32.3 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 25.276 ug/L

RT: 7.767 min Scan# 2091

Delta R.T. 0.003 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 96885

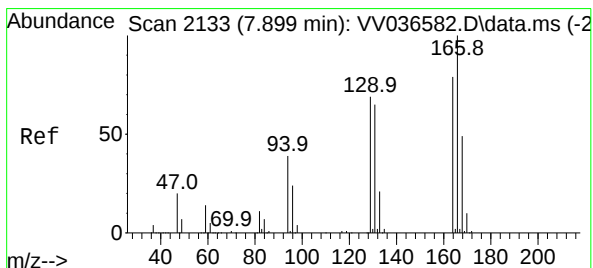
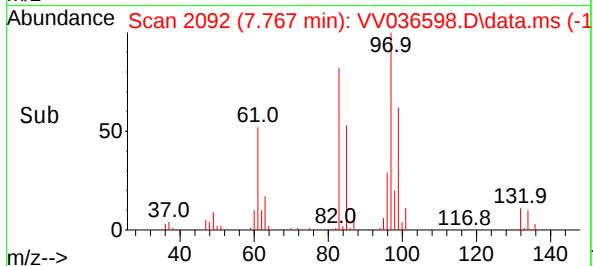
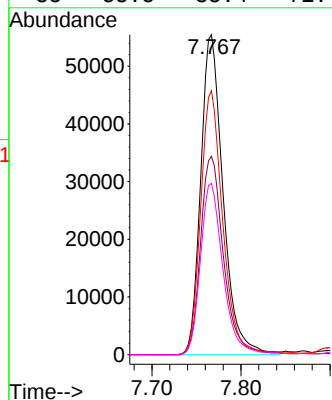
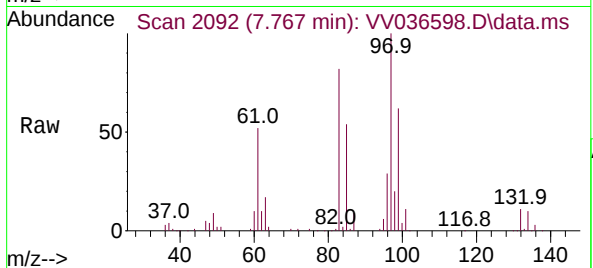
Ion Ratio Lower Upper

97 100

99 62.0 42.6 79.2

83 82.5 58.0 107.6

85 53.5 38.4 71.4



#46

Tetrachloroethene

Concen: 23.253 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.003 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Tgt Ion:164 Resp: 92215

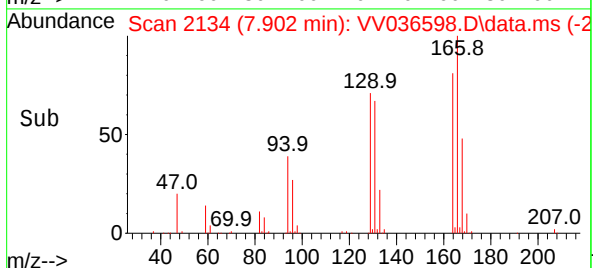
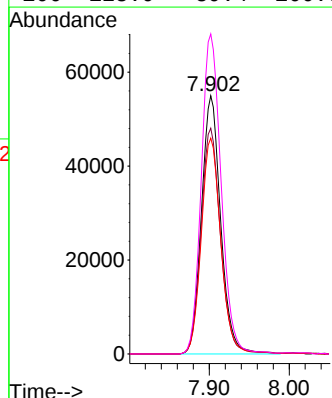
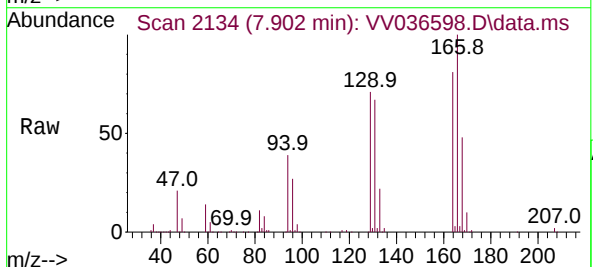
Ion Ratio Lower Upper

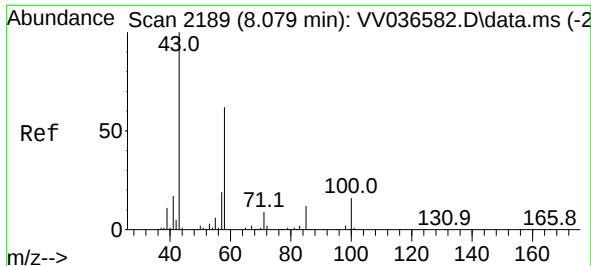
164 100

129 87.4 61.0 113.4

131 83.6 59.8 111.1

166 123.9 89.4 166.0





#48

2-Hexanone

Concen: 50.127 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. 0.000 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 65728

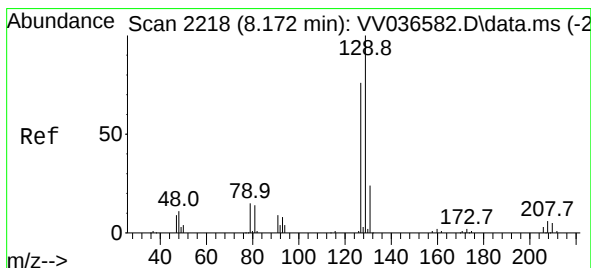
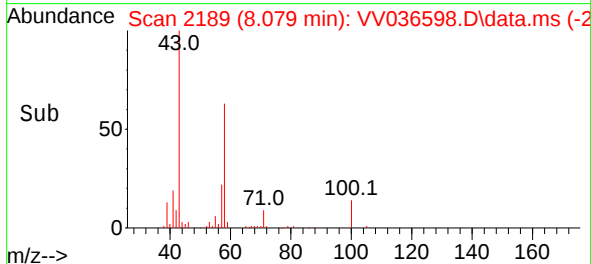
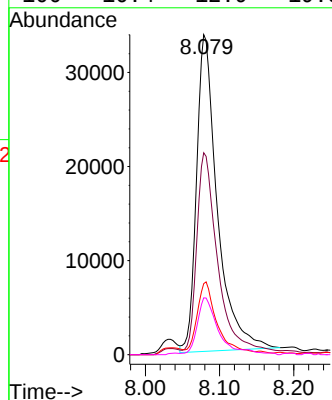
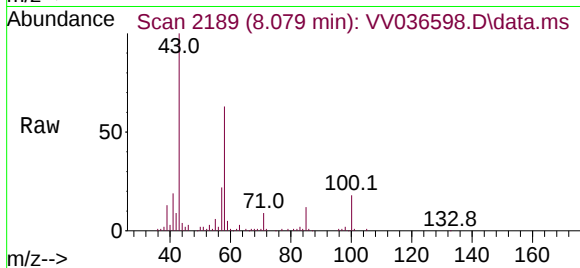
Ion Ratio Lower Upper

43 100

58 62.8 49.5 74.3

57 20.4 15.3 22.9

100 16.4 12.9 19.3



#49

Dibromochloromethane

Concen: 25.120 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.000 min

Lab File: VV036598.D

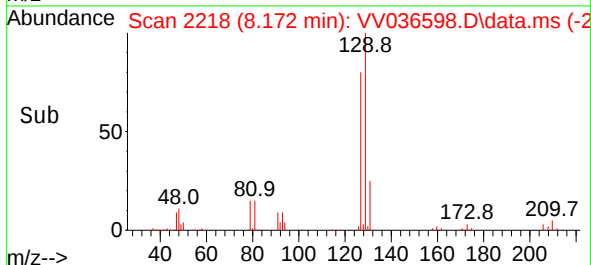
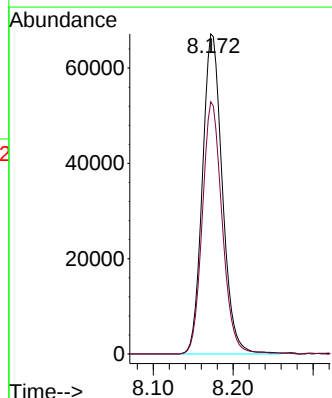
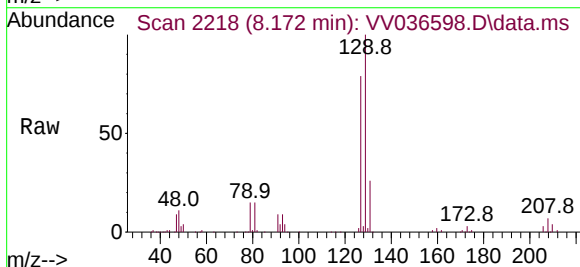
Acq: 17 Jul 2024 17:02

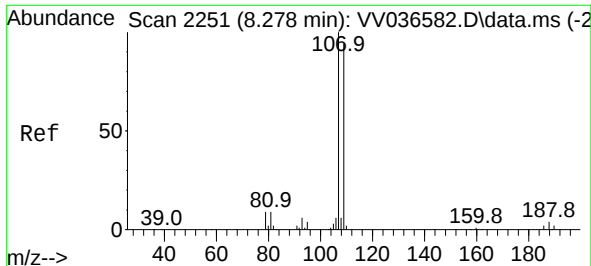
Tgt Ion:129 Resp: 116431

Ion Ratio Lower Upper

129 100

127 78.8 53.7 99.7

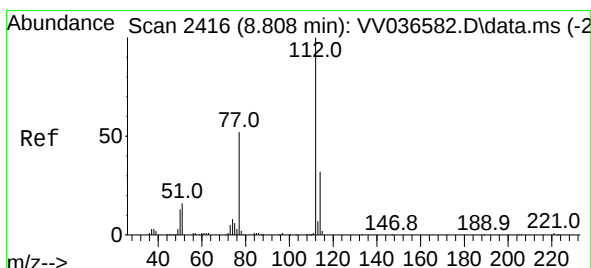
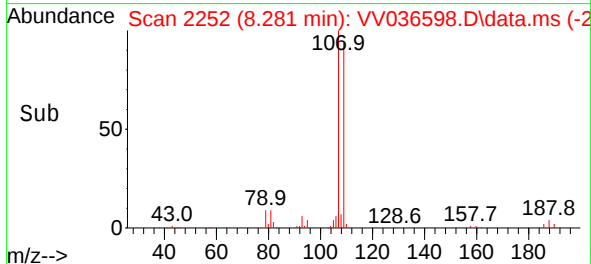
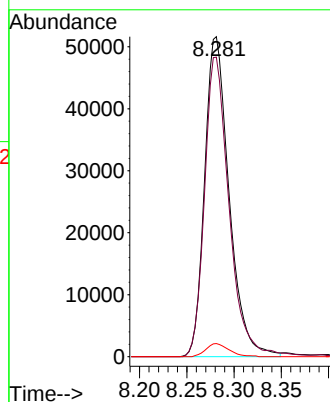
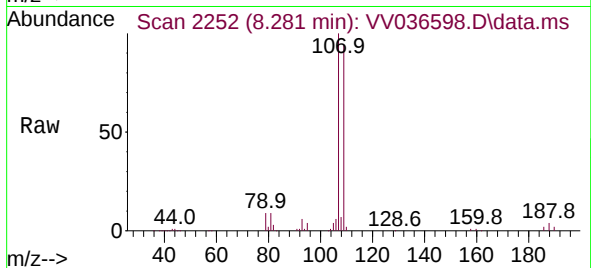




#50
1,2-Dibromoethane
Concen: 25.871 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV036598.D
Acq: 17 Jul 2024 17:02

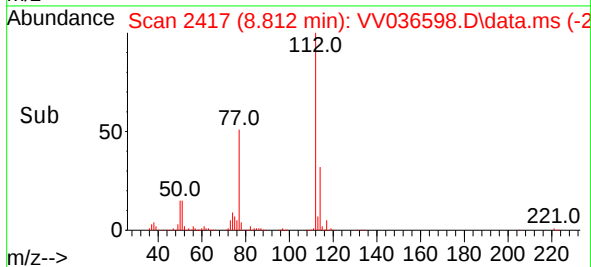
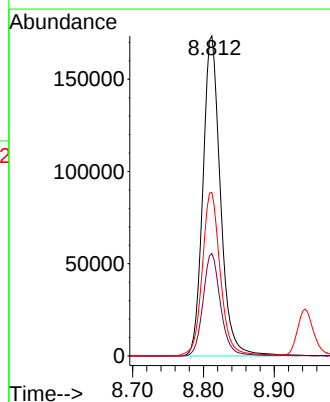
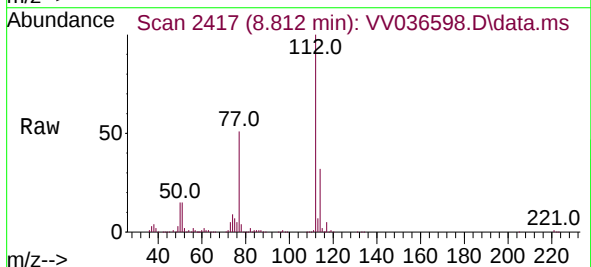
Instrument :
MSVOA_V
ClientSampleId :

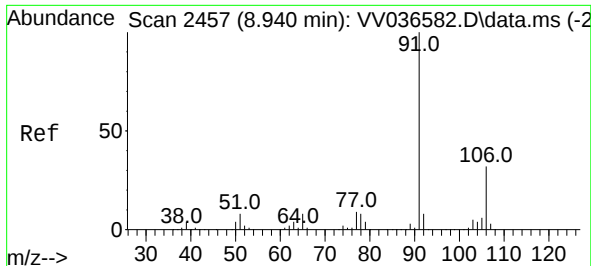
Tgt Ion:107 Resp: 93066
Ion Ratio Lower Upper
107 100
109 93.6 66.2 123.0
188 4.1 3.4 5.0



#51
Chlorobenzene
Concen: 24.361 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV036598.D
Acq: 17 Jul 2024 17:02

Tgt Ion:112 Resp: 297965
Ion Ratio Lower Upper
112 100
114 32.0 22.5 41.9
77 51.1 43.0 64.6





#52

Ethylbenzene

Concen: 24.748 ug/L

RT: 8.944 min Scan# 2457

Delta R.T. 0.003 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Instrument :

MSVOA_V

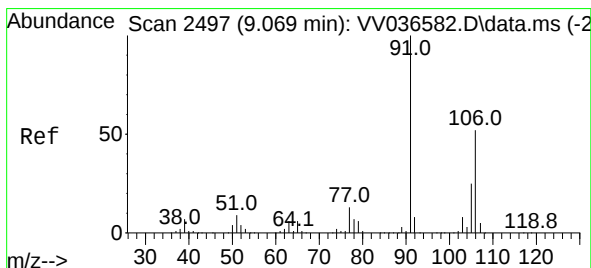
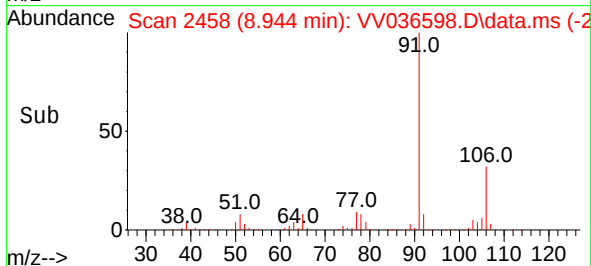
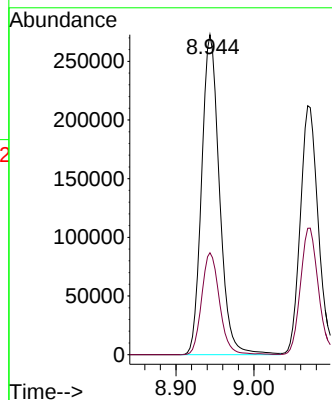
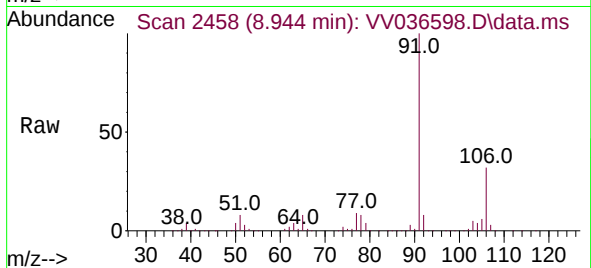
ClientSampleId :

Tgt Ion: 91 Resp: 433561

Ion Ratio Lower Upper

91 100

106 31.9 22.6 42.0



#53

m,p-Xylene

Concen: 25.729 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.003 min

Lab File: VV036598.D

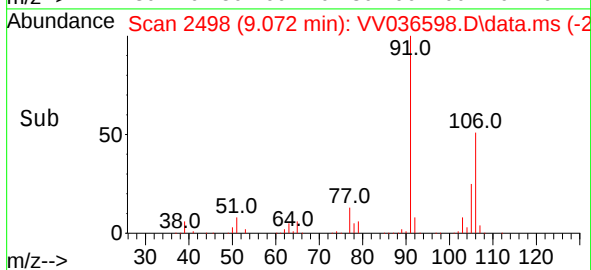
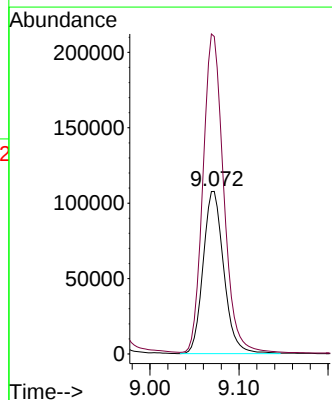
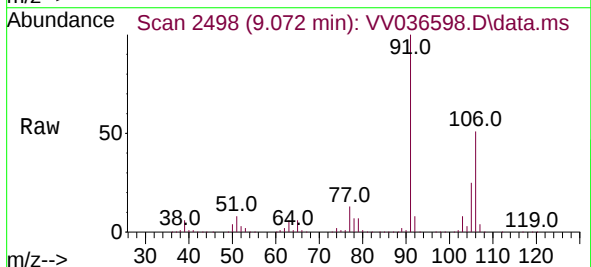
Acq: 17 Jul 2024 17:02

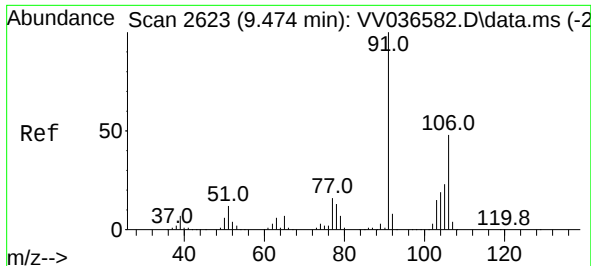
Tgt Ion:106 Resp: 173539

Ion Ratio Lower Upper

106 100

91 195.1 137.1 254.7





#54

o-Xylene

Concen: 25.621 ug/L

RT: 9.477 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Instrument :

MSVOA_V

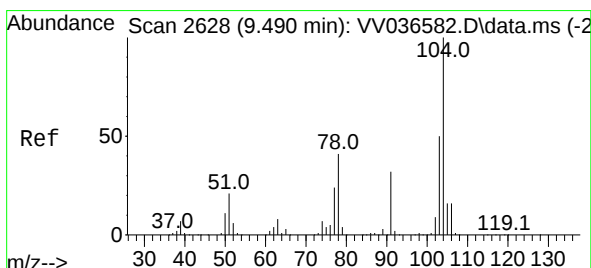
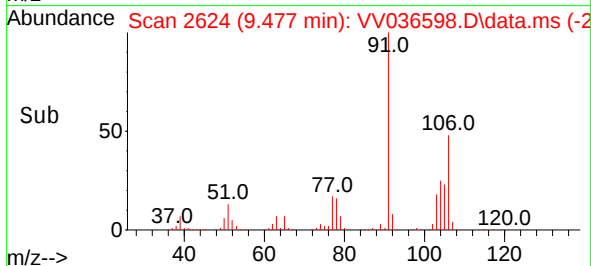
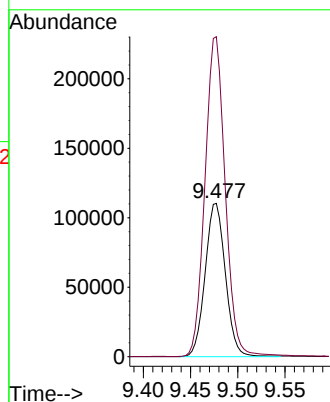
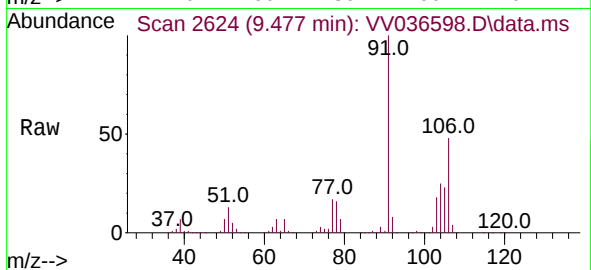
ClientSampleId :

Tgt Ion:106 Resp: 164533

Ion Ratio Lower Upper

106 100

91 208.7 147.3 273.6



#55

Styrene

Concen: 27.788 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. 0.003 min

Lab File: VV036598.D

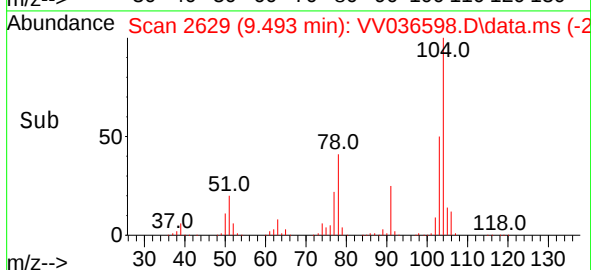
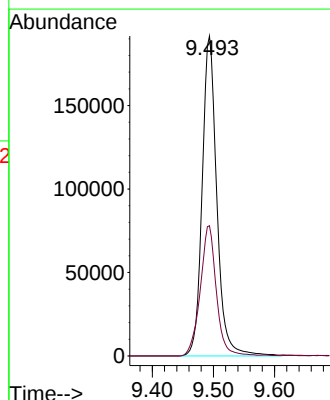
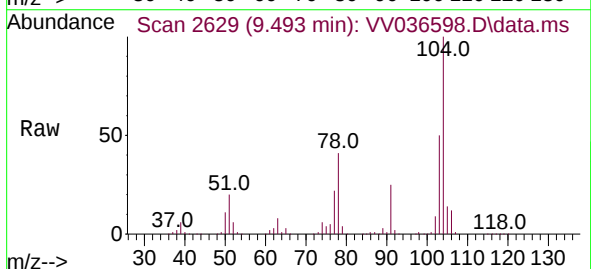
Acq: 17 Jul 2024 17:02

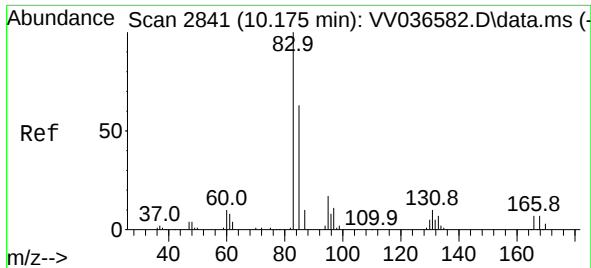
Tgt Ion:104 Resp: 319277

Ion Ratio Lower Upper

104 100

78 40.7 28.8 53.6

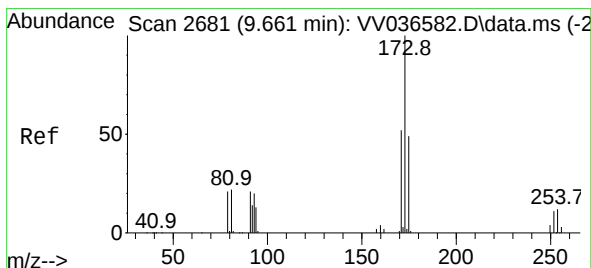
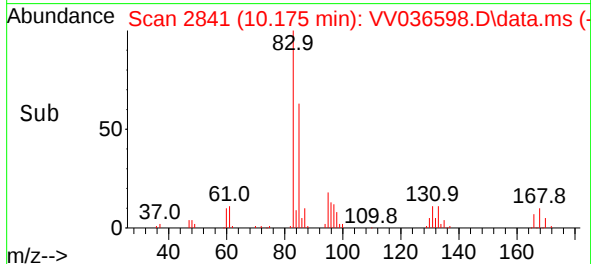
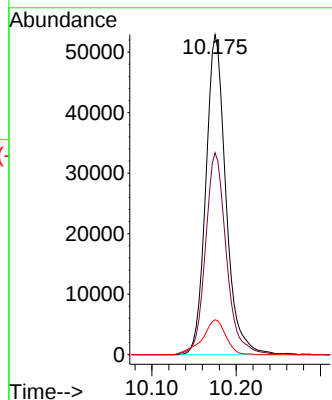
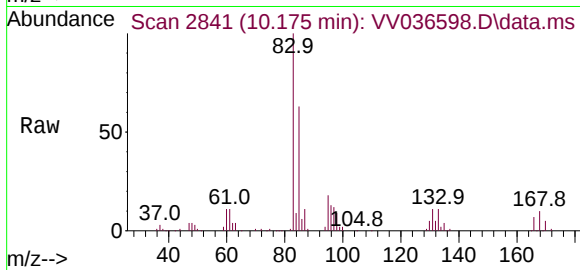




#57
1,1,2,2-Tetrachloroethane
Concen: 25.024 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV036598.D
Acq: 17 Jul 2024 17:02

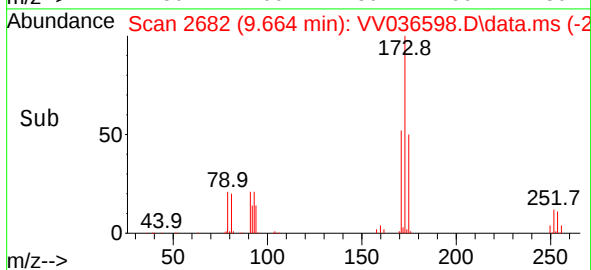
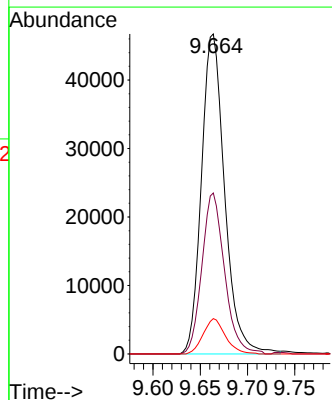
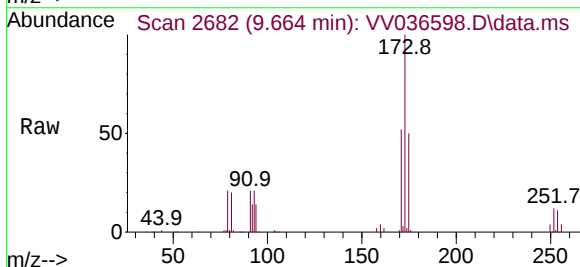
Instrument :
MSVOA_V
ClientSampleId :

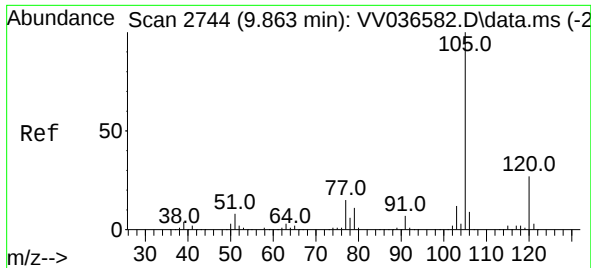
Tgt Ion: 83 Resp: 87586
Ion Ratio Lower Upper
83 100
85 63.1 45.0 83.6
131 10.9 8.1 12.1



#59
Bromoform
Concen: 24.477 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.003 min
Lab File: VV036598.D
Acq: 17 Jul 2024 17:02

Tgt Ion: 173 Resp: 79802
Ion Ratio Lower Upper
173 100
175 49.0 37.6 56.4
254 10.6 8.2 12.4

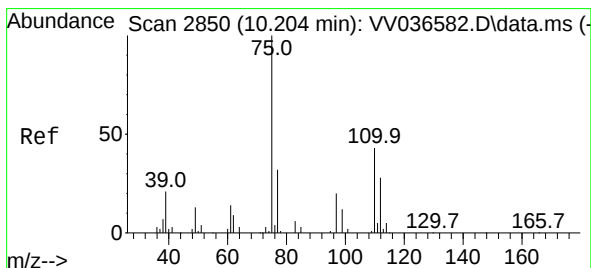
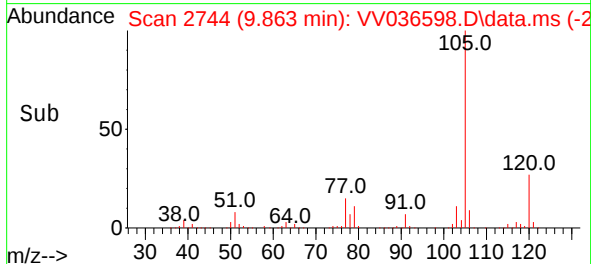
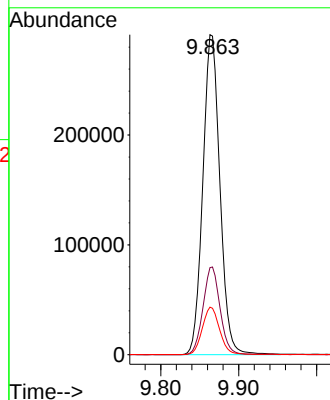
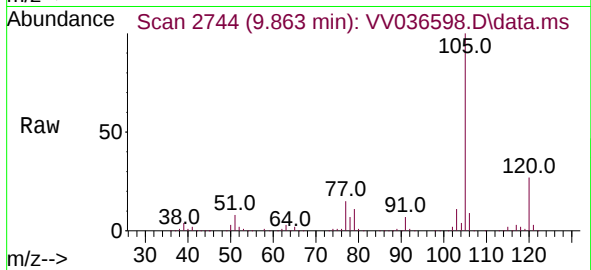




#60
Isopropylbenzene
Concen: 24.159 ug/L
RT: 9.863 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV036598.D
Acq: 17 Jul 2024 17:02

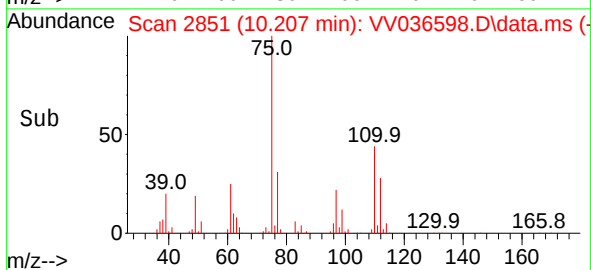
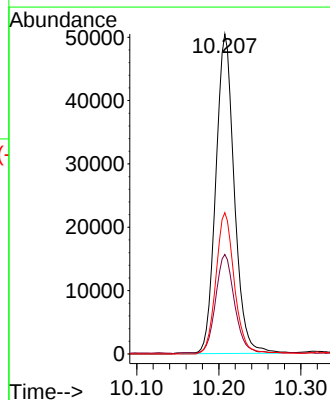
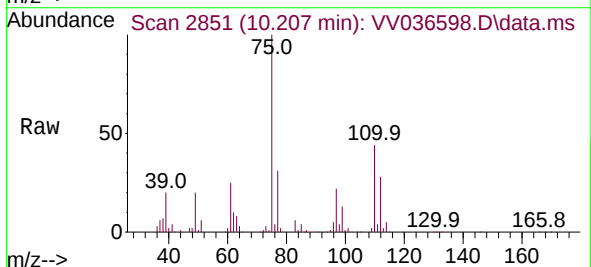
Instrument :
MSVOA_V
ClientSampleId :

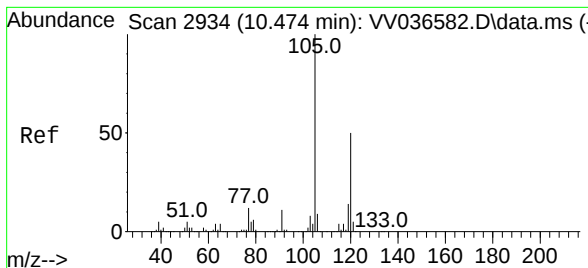
Tgt Ion:105 Resp: 443983
Ion Ratio Lower Upper
105 100
120 27.3 21.8 32.6
77 14.9 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 24.212 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.003 min
Lab File: VV036598.D
Acq: 17 Jul 2024 17:02

Tgt Ion: 75 Resp: 79243
Ion Ratio Lower Upper
75 100
77 31.1 25.6 38.4
110 44.0 34.8 52.2





#62

1,3,5-Trimethylbenzene

Concen: 24.259 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Instrument :

MSVOA_V

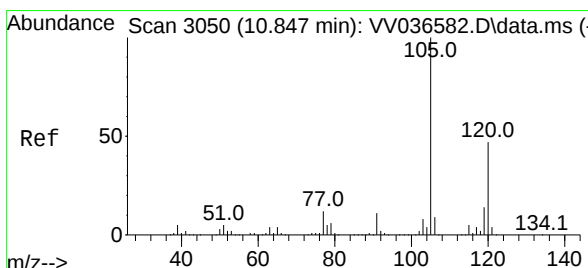
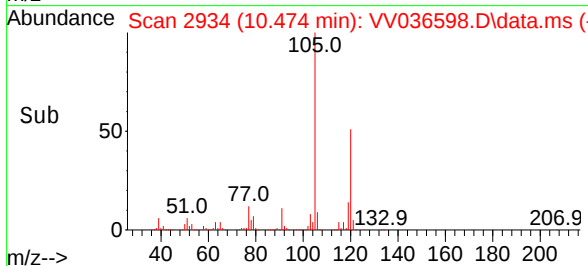
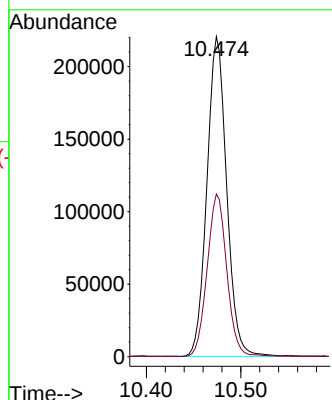
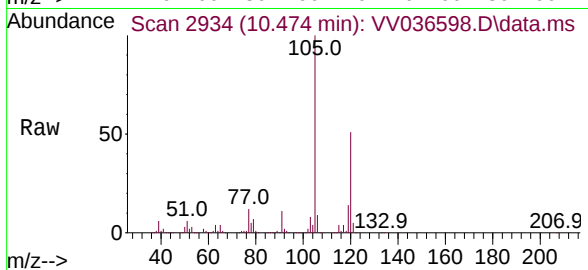
ClientSampleId :

Tgt Ion:105 Resp: 319262

Ion Ratio Lower Upper

105 100

120 50.7 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 25.227 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV036598.D

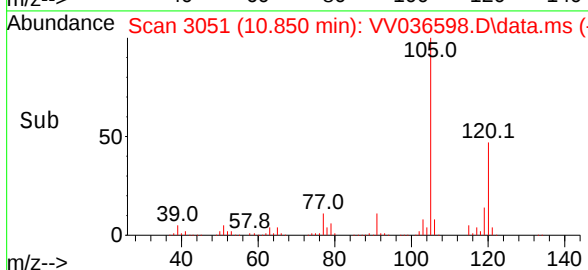
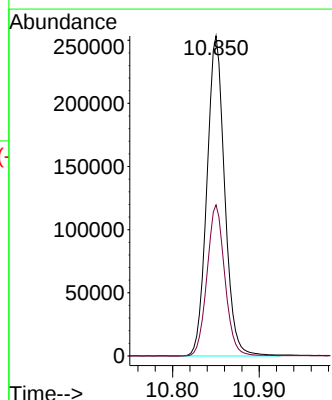
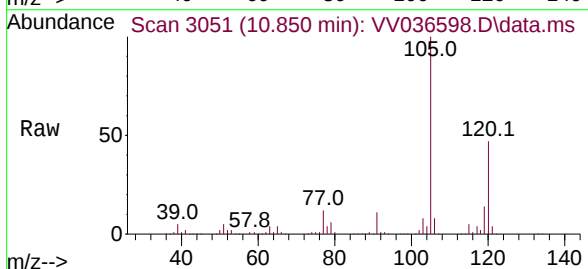
Acq: 17 Jul 2024 17:02

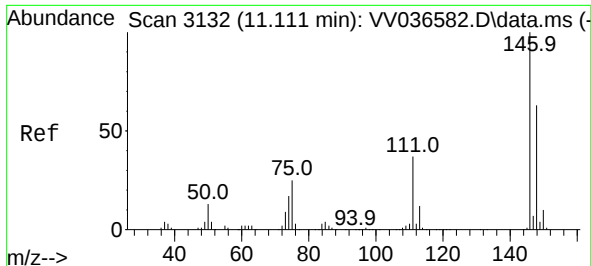
Tgt Ion:105 Resp: 361263

Ion Ratio Lower Upper

105 100

120 47.4 37.0 55.4

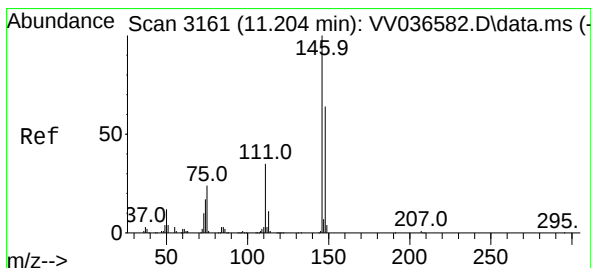
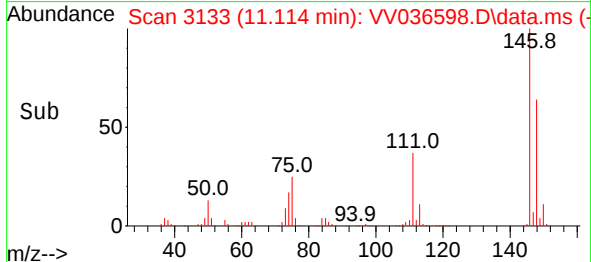
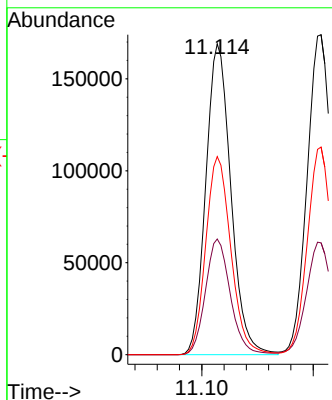
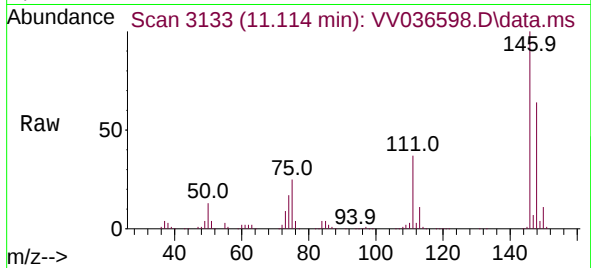




#64
1,3-Dichlorobenzene
Concen: 24.350 ug/L
RT: 11.114 min Scan# 3132
Delta R.T. 0.003 min
Lab File: VV036598.D
Acq: 17 Jul 2024 17:02

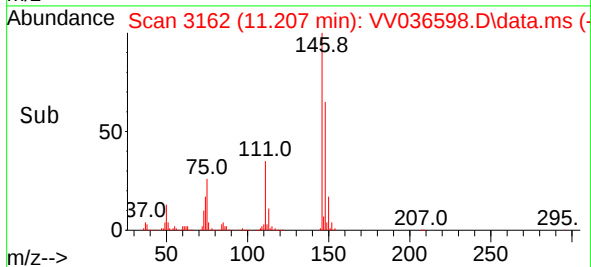
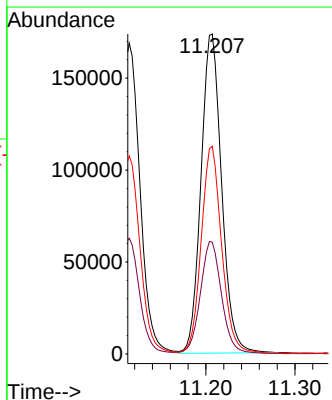
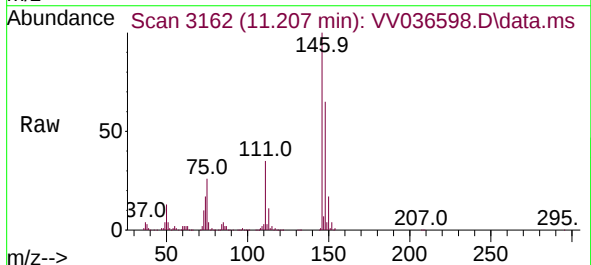
Instrument :
MSVOA_V
ClientSampleId :

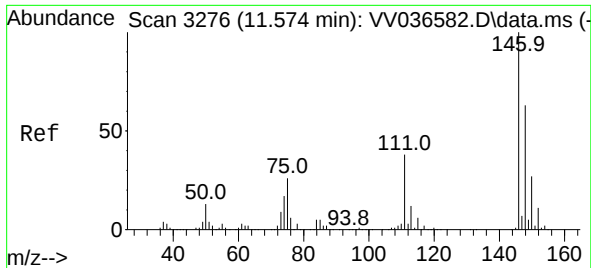
Tgt Ion:146 Resp: 264548
Ion Ratio Lower Upper
146 100
111 37.2 25.8 47.8
148 63.7 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 23.935 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.003 min
Lab File: VV036598.D
Acq: 17 Jul 2024 17:02

Tgt Ion:146 Resp: 279222
Ion Ratio Lower Upper
146 100
111 34.9 25.2 46.8
148 64.9 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 24.742 ug/L

RT: 11.577 min Scan# 3276

Delta R.T. 0.003 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Instrument :

MSVOA_V

ClientSampleId :

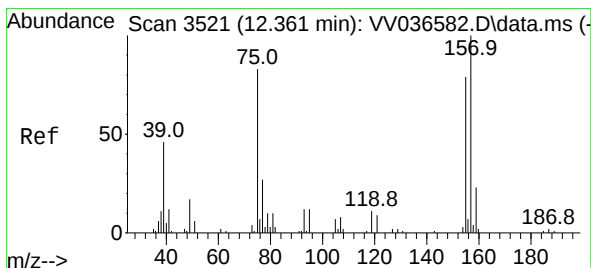
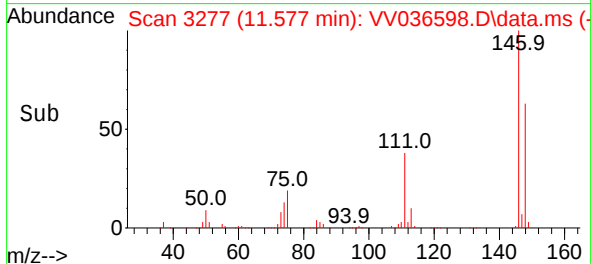
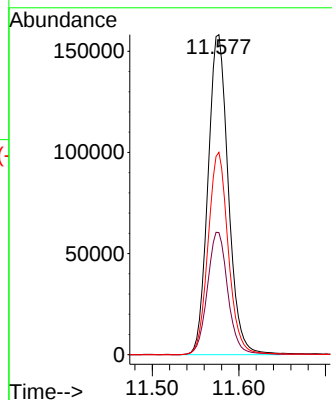
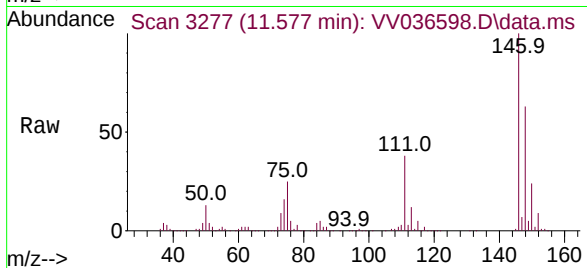
Tgt Ion:146 Resp: 258310

Ion Ratio Lower Upper

146 100

111 38.2 30.8 46.2

148 63.3 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 24.250 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

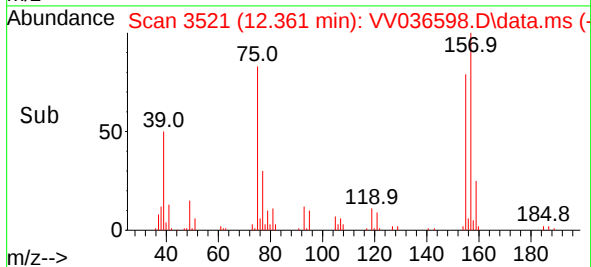
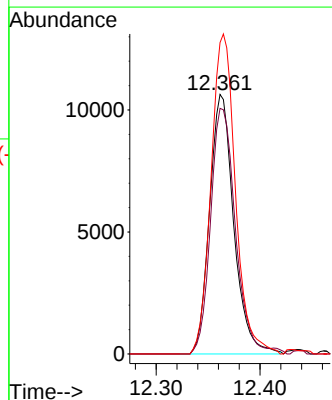
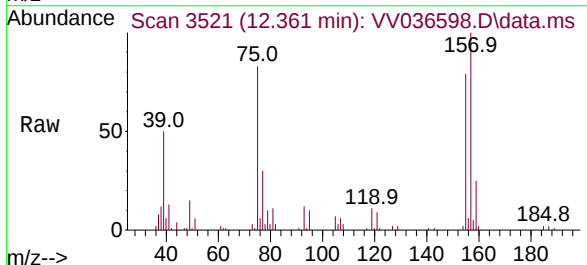
Tgt Ion: 75 Resp: 17172

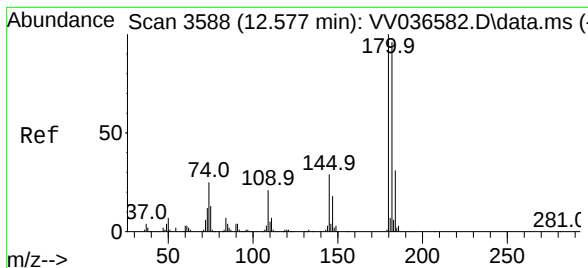
Ion Ratio Lower Upper

75 100

155 94.6 74.6 111.8

157 120.0 95.0 142.4





#69

1,3,5-Trichlorobenzene

Concen: 23.362 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.003 min

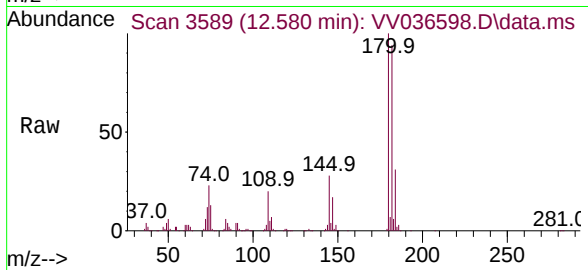
Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 196521

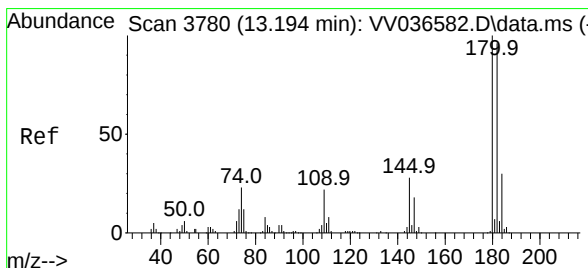
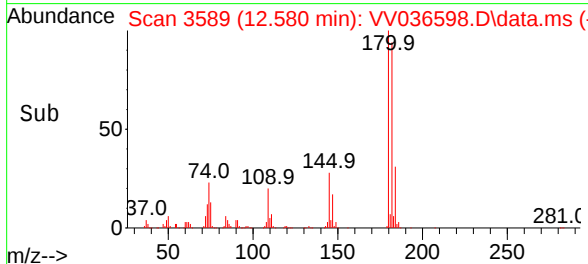
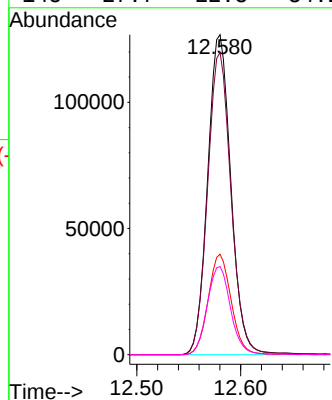
Ion Ratio Lower Upper

180 100

182 95.2 77.4 116.0

184 31.1 24.4 36.6

145 27.7 22.8 34.2



#70

1,2,4-trichlorobenzene

Concen: 22.807 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

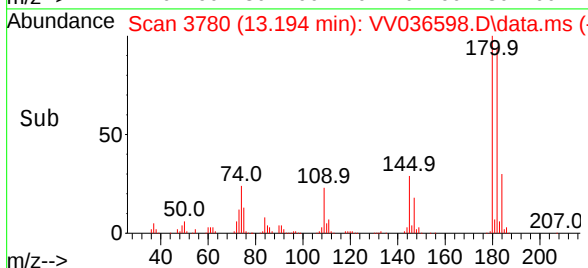
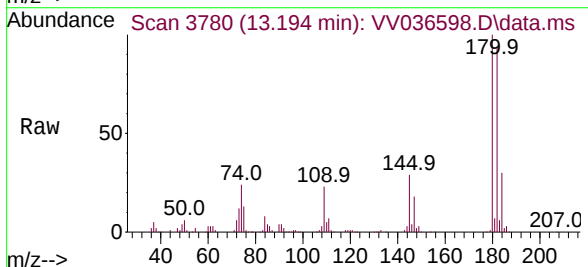
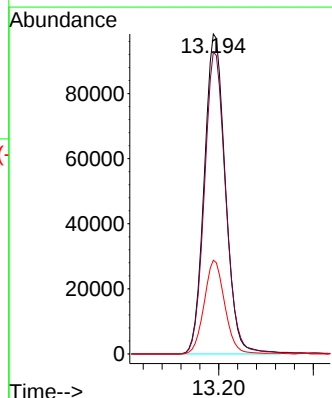
Tgt Ion:180 Resp: 152586

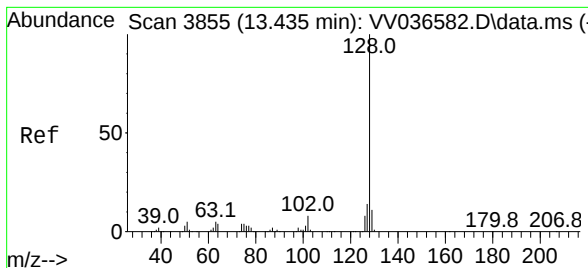
Ion Ratio Lower Upper

180 100

182 94.7 76.7 115.1

145 28.5 23.0 34.6





#71

Naphthalene

Concen: 21.946 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Instrument :

MSVOA_V

ClientSampleId :

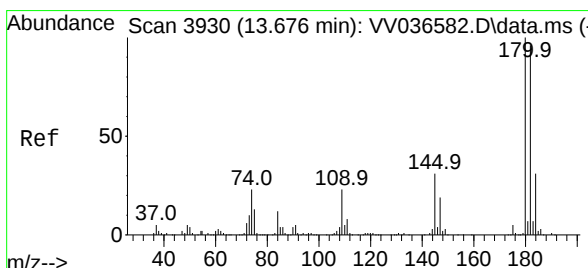
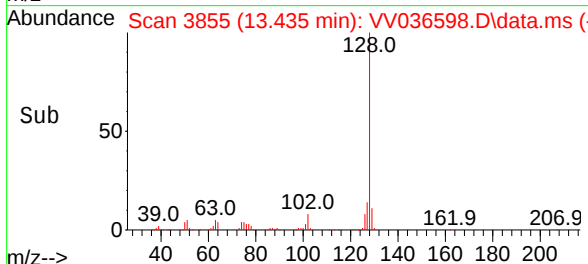
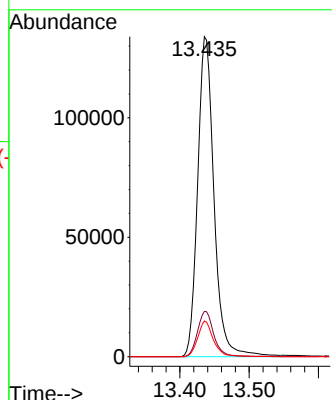
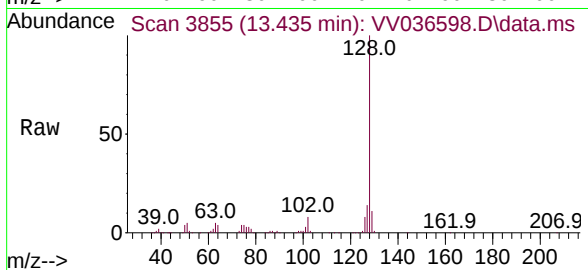
Tgt Ion:128 Resp: 220516

Ion Ratio Lower Upper

128 100

127 14.1 10.8 16.2

129 10.5 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 24.430 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV036598.D

Acq: 17 Jul 2024 17:02

Tgt Ion:180 Resp: 154632

Ion Ratio Lower Upper

180 100

182 95.0 76.6 114.8

145 30.1 24.4 36.6

