

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071624\
 Data File : VV036580.D
 Acq On : 16 Jul 2024 20:17
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.62g/10.0mL/MSVOA_V/SOIL/B
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 17 02:31:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 17 02:15:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	235507	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	267095	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	159574	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	77543	22.982	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.920%
7) Chloroethane-d5	1.526	69	70438	23.878	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.520%
11) 1,1-Dichloroethene-d2	2.050	65	39363	22.719	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.880%
21) 2-Butanone-d5	3.847	46	35018	60.638	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.280%
24) Chloroform-d	4.243	84	179925	26.247	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.000%
26) 1,2-Dichloroethane-d4	4.937	65	92564	27.225	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.880%
32) Benzene-d6	4.953	84	317400	23.820	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.280%
36) 1,2-Dichloropropane-d6	5.986	67	93308	23.496	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.000%
41) Toluene-d8	7.240	98	310105	25.223	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.880%
43) trans-1,3-Dichloroprop...	7.555	79	37128	22.487	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.960%
47) 2-Hexanone-d5	8.034	63	26035	59.028	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.060%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	90421	27.035	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.160%
66) 1,2-Dichlorobenzene-d4	11.558	152	130329	24.067	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.102	85	69465	20.352	ug/L	100
3) Chloromethane	1.211	50	58352	21.304	ug/L	98
5) Vinyl chloride	1.275	62	72534	21.521	ug/L	98
6) Bromomethane	1.481	94	59861	22.012	ug/L	98
8) Chloroethane	1.542	64	52320	22.439	ug/L	99
9) Trichlorofluoromethane	1.706	101	134353	22.459	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	90223	22.368	ug/L	99
12) 1,1-Dichloroethene	2.060	96	77523	22.283	ug/L	92
13) Acetone	2.150	43	14703	18.008	ug/L	67
14) Carbon disulfide	2.230	76	146753	18.787	ug/L	100
15) Methyl Acetate	2.388	43	31831	28.857	ug/L	93
16) Methylene chloride	2.439	84	108374	22.383	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	72543	22.945	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	194405	27.440	ug/L	99
19) 1,1-Dichloroethane	3.105	63	141103	24.656	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	81384	24.766	ug/L	96
22) 2-Butanone	3.921	43	19902	29.035	ug/L	97
23) Bromochloromethane	4.143	128	52332	28.040	ug/L	94
25) Chloroform	4.272	83	178351	26.247	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071624\
 Data File : VW036580.D
 Acq On : 16 Jul 2024 20:17
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.62g/10.0mL/MSVOA_V/SOIL/B
 ALS Vial : 26 Sample Multiplier: 1

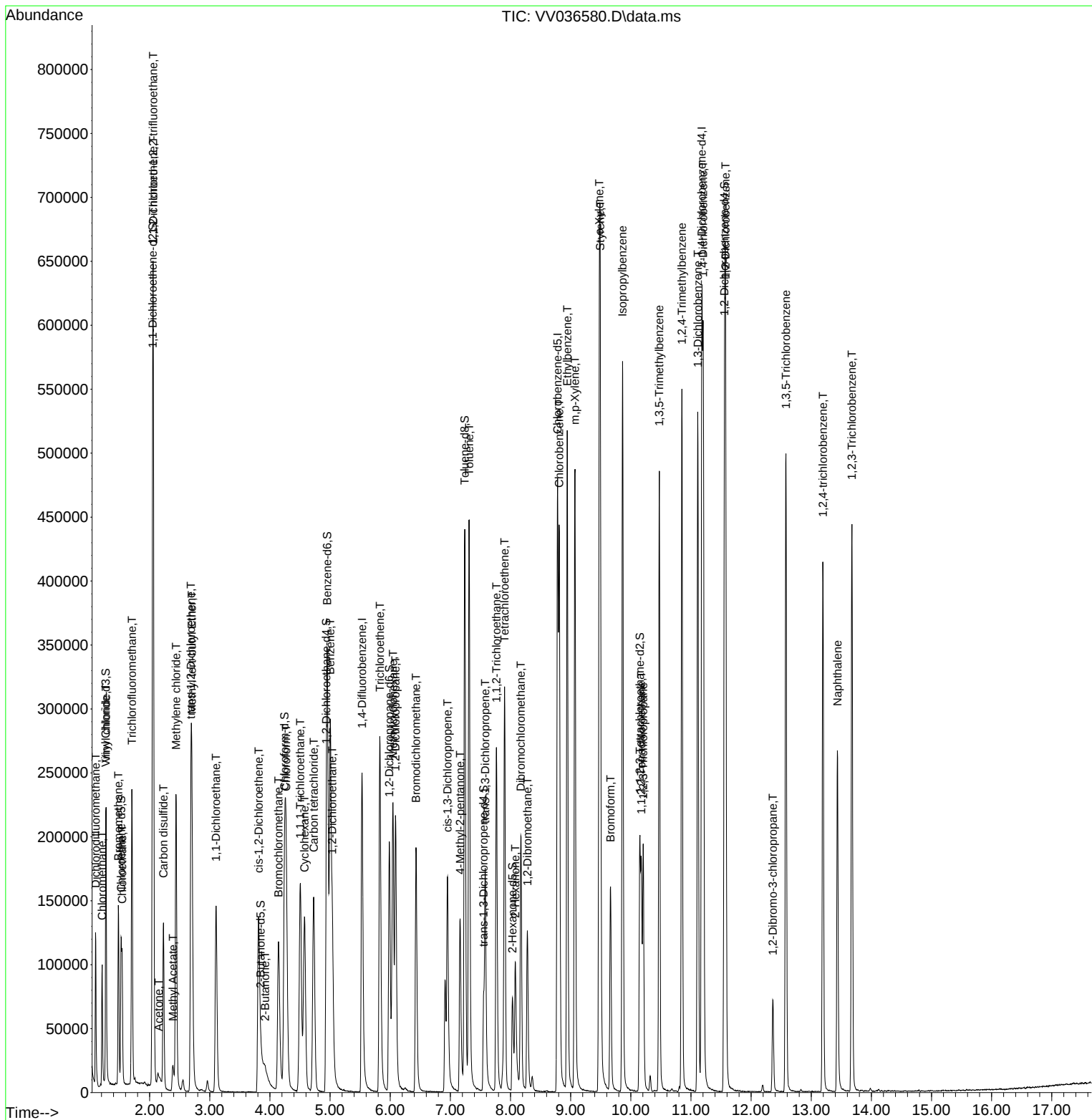
Instrument :
 MSVOA_V
 ClientSampleId :

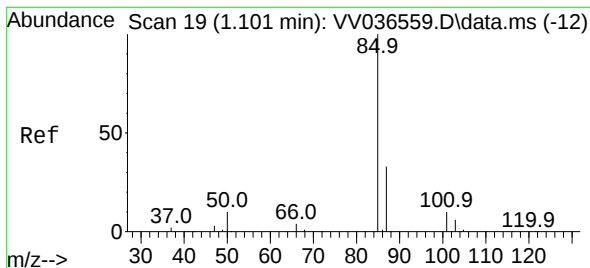
Quant Time: Jul 17 02:31:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 17 02:15:19 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	110801	29.028	ug/L	100
29) Cyclohexane	4.574	56	59272	17.444	ug/L	96
30) 1,1,1-Trichloroethane	4.507	97	139467	22.462	ug/L	99
31) Carbon tetrachloride	4.728	117	121128	21.997	ug/L	99
33) Benzene	5.005	78	308481	23.338	ug/L	100
34) Trichloroethene	5.828	95	96492	22.941	ug/L	98
35) Methylcyclohexane	6.047	83	90014	18.752	ug/L	99
37) 1,2-Dichloropropane	6.088	63	82074	24.604	ug/L	99
38) Bromodichloromethane	6.429	83	130152	24.624	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	104423	20.300	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	86460	57.035	ug/L	98
42) Toluene	7.314	91	347247	24.793	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	105494	23.002	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	89256	27.154	ug/L	97
46) Tetrachloroethene	7.902	164	75649	22.244	ug/L	98
48) 2-Hexanone	8.082	43	62116	55.240	ug/L	96
49) Dibromochloromethane	8.172	129	107419	27.025	ug/L	99
50) 1,2-Dibromoethane	8.281	107	85391	27.680	ug/L	98
51) Chlorobenzene	8.812	112	256265	24.431	ug/L	97
52) Ethylbenzene	8.944	91	349933	23.292	ug/L	99
53) m,p-Xylene	9.072	106	141367	24.440	ug/L	100
54) o-Xylene	9.477	106	136676	24.818	ug/L	95
55) Styrene	9.493	104	269431	27.344	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	82807	27.588	ug/L	98
59) Bromoform	9.664	173	76124	26.917	ug/L	99
60) Isopropylbenzene	9.863	105	353890	22.199	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	75666	26.651	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	248367	21.755	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	286146	23.035	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	227628	24.154	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	242932	24.006	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	227087	25.075	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	17670	28.766	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	166812	22.860	ug/L	97
70) 1,2,4-trichlorobenzene	13.194	180	134124	23.110	ug/L	99
71) Naphthalene	13.435	128	219357	25.166	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	142915	26.028	ug/L	99

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

Quant Time: Jul 17 02:31:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 17 02:15:19 2024
Response via : Initial Calibration

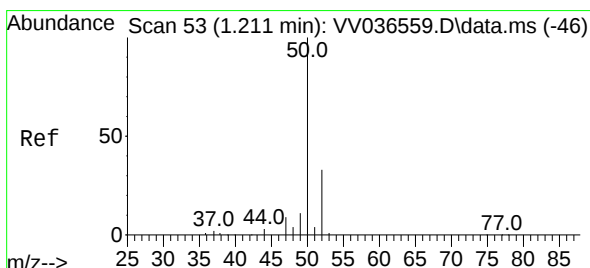
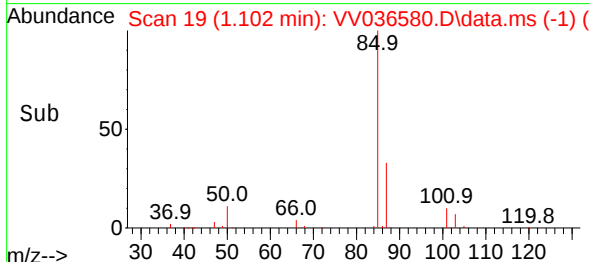
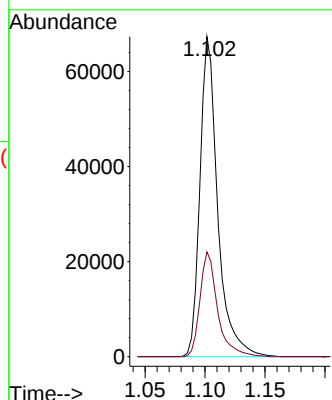
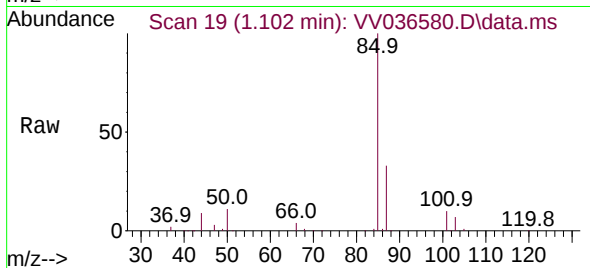




#2
 Dichlorodifluoromethane
 Concen: 20.352 ug/L
 RT: 1.102 min Scan# 19
 Delta R.T. 0.000 min
 Lab File: VV036580.D
 Acq: 16 Jul 2024 20:17

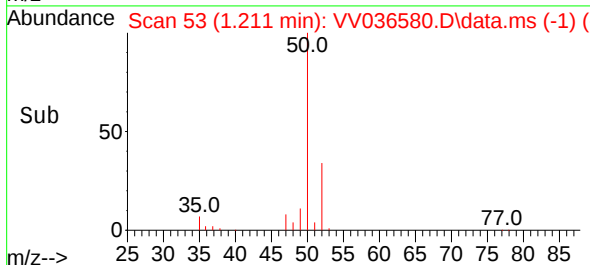
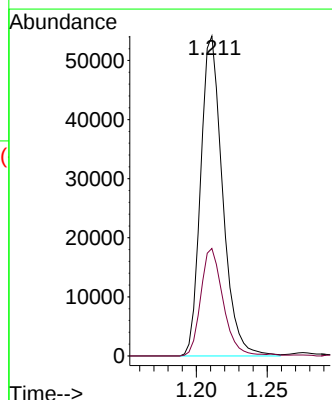
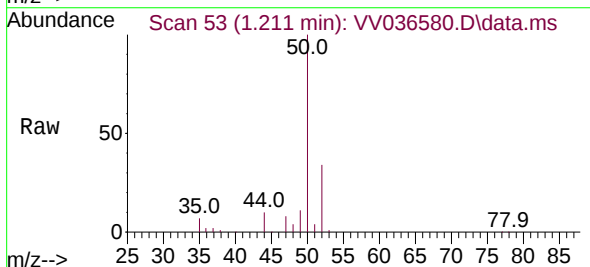
Instrument :
 MSVOA_V
 ClientSampleId :

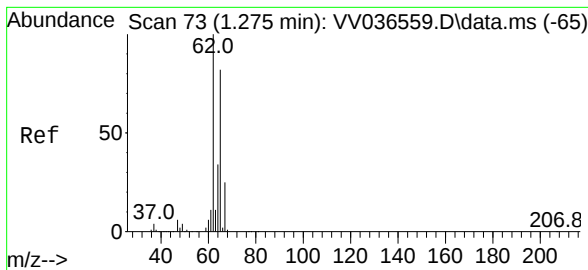
Tgt Ion: 85 Resp: 69465
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.2 39.2



#3
 Chloromethane
 Concen: 21.304 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. 0.000 min
 Lab File: VV036580.D
 Acq: 16 Jul 2024 20:17

Tgt Ion: 50 Resp: 58352
 Ion Ratio Lower Upper
 50 100
 52 33.6 24.4 45.4





#5

Vinyl chloride

Concen: 21.521 ug/L

RT: 1.275 min Scan# 73

Delta R.T. 0.000 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

Instrument :

MSVOA_V

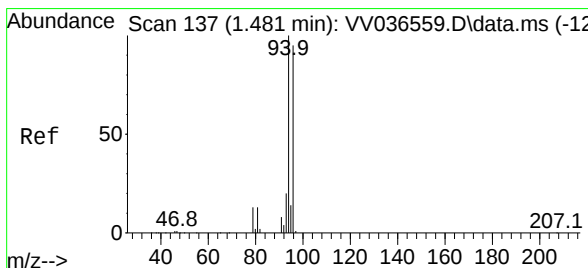
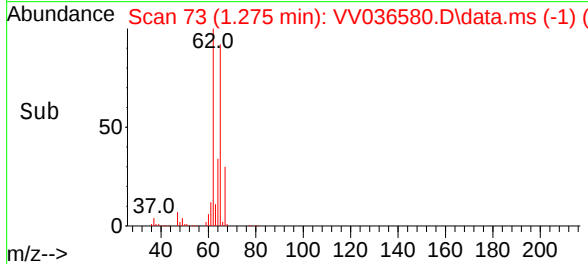
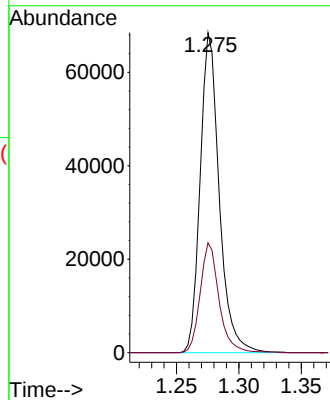
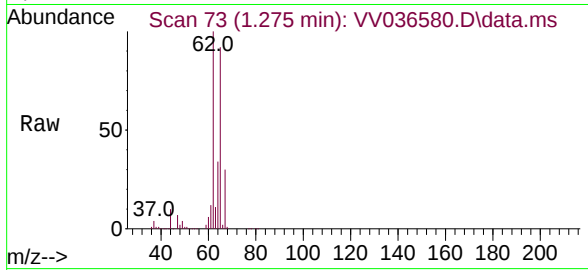
ClientSampleId :

Tgt Ion: 62 Resp: 72534

Ion Ratio Lower Upper

62 100

64 34.3 23.4 43.4



#6

Bromomethane

Concen: 22.012 ug/L

RT: 1.481 min Scan# 137

Delta R.T. 0.000 min

Lab File: VV036580.D

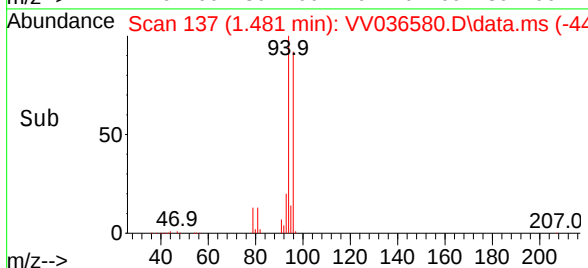
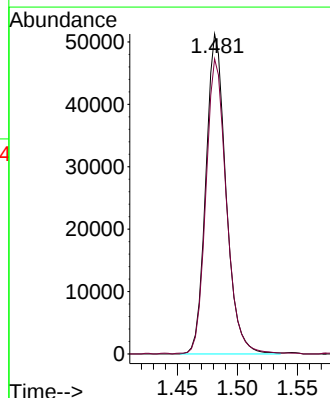
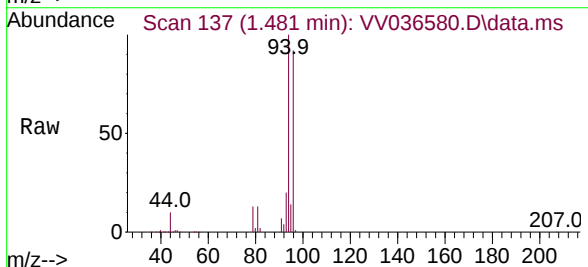
Acq: 16 Jul 2024 20:17

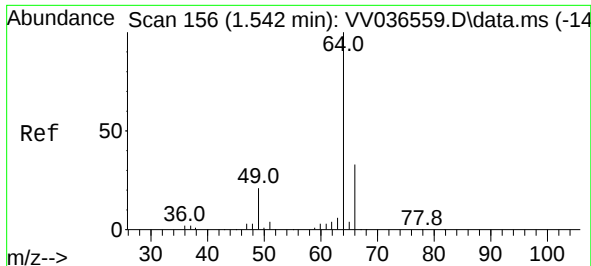
Tgt Ion: 94 Resp: 59861

Ion Ratio Lower Upper

94 100

96 92.2 65.6 121.8

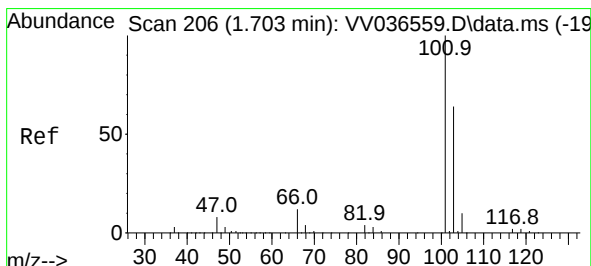
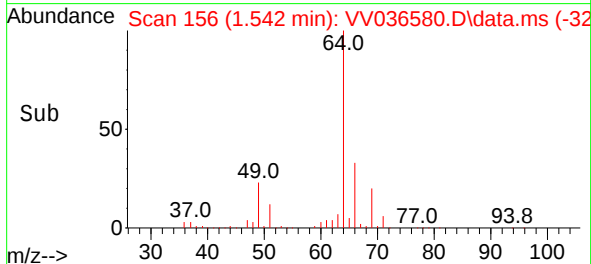
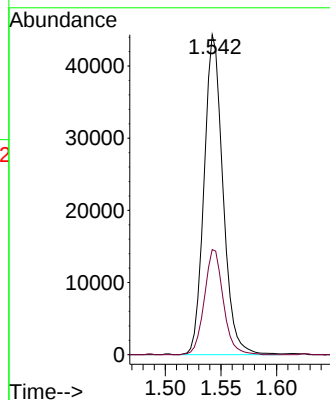
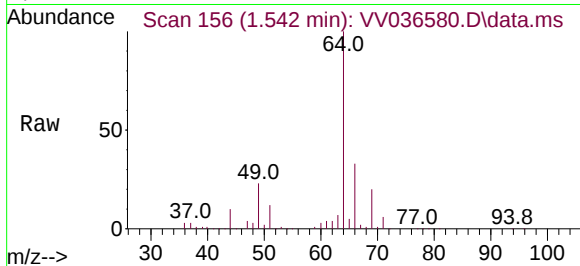




#8
Chloroethane
Concen: 22.439 ug/L
RT: 1.542 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV036580.D
Acq: 16 Jul 2024 20:17

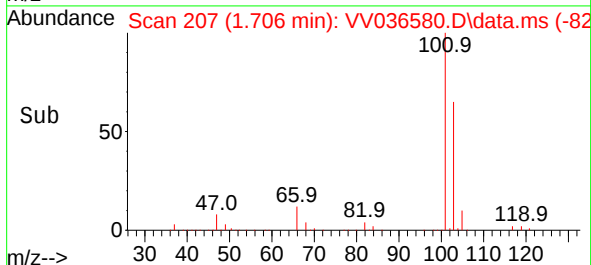
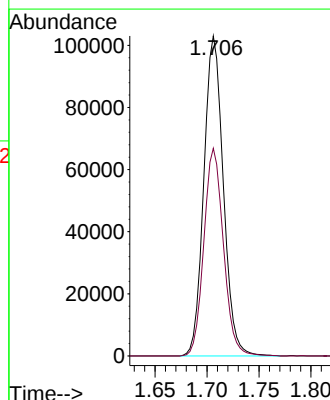
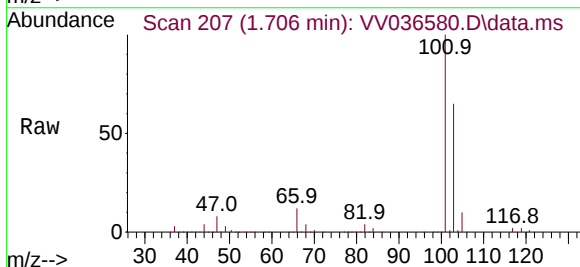
Instrument :
MSVOA_V
ClientSampleId :

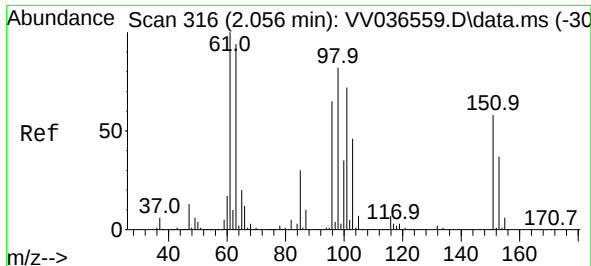
Tgt Ion: 64 Resp: 52320
Ion Ratio Lower Upper
64 100
66 32.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 22.459 ug/L
RT: 1.706 min Scan# 207
Delta R.T. 0.003 min
Lab File: VV036580.D
Acq: 16 Jul 2024 20:17

Tgt Ion:101 Resp: 134353
Ion Ratio Lower Upper
101 100
103 65.0 51.9 77.9

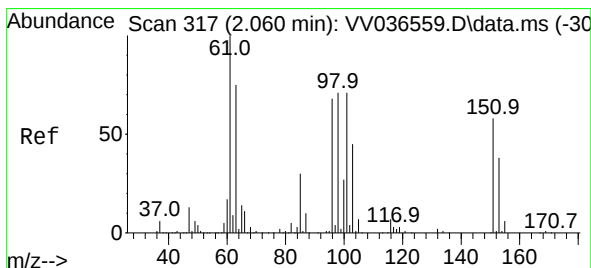
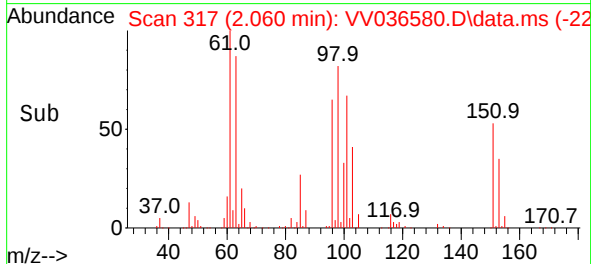
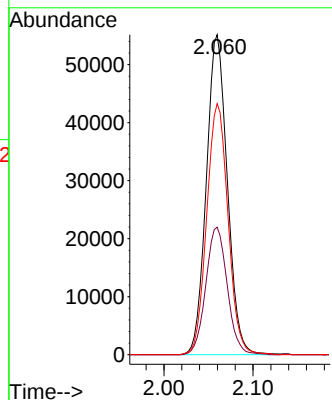
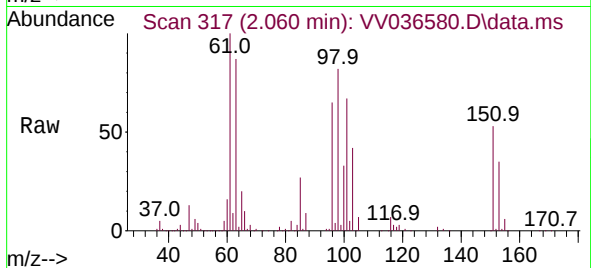




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 22.368 ug/L
RT: 2.060 min Scan# 316
Delta R.T. 0.003 min
Lab File: VV036580.D
Acq: 16 Jul 2024 20:17

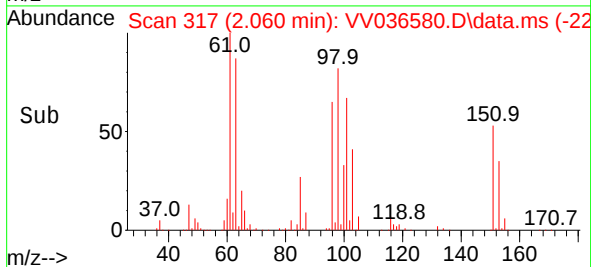
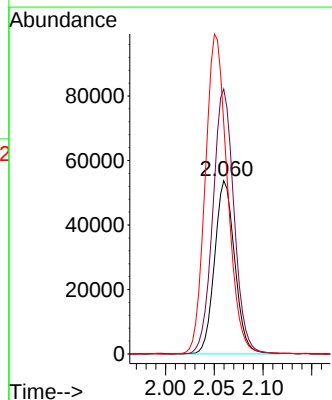
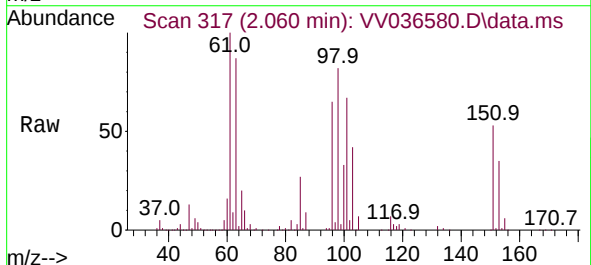
Instrument :
MSVOA_V
ClientSampleId :

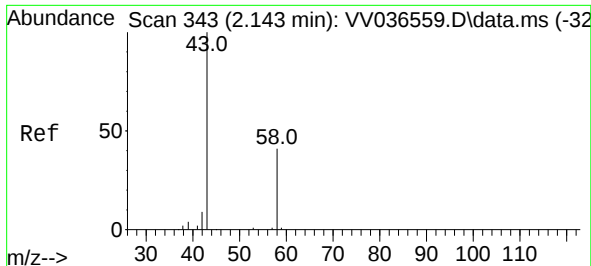
Tgt Ion:101 Resp: 90223
Ion Ratio Lower Upper
101 100
85 40.7 32.5 48.7
151 79.8 62.6 94.0



#12
1,1-Dichloroethene
Concen: 22.283 ug/L
RT: 2.060 min Scan# 317
Delta R.T. 0.000 min
Lab File: VV036580.D
Acq: 16 Jul 2024 20:17

Tgt Ion: 96 Resp: 77523
Ion Ratio Lower Upper
96 100
61 152.8 110.8 205.8
63 133.3 103.9 192.9





#13

Acetone

Concen: 18.008 ug/L

RT: 2.150 min Scan# 34

Delta R.T. 0.007 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

Instrument :

MSVOA_V

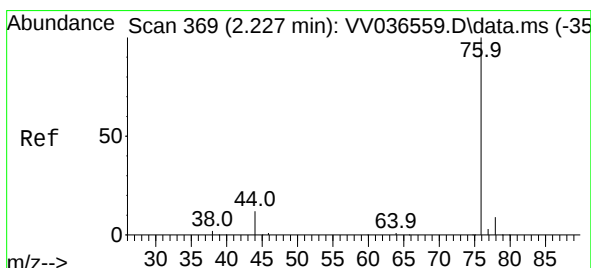
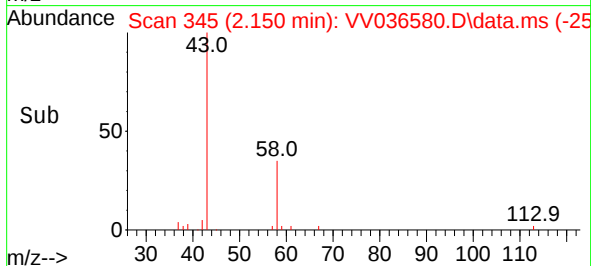
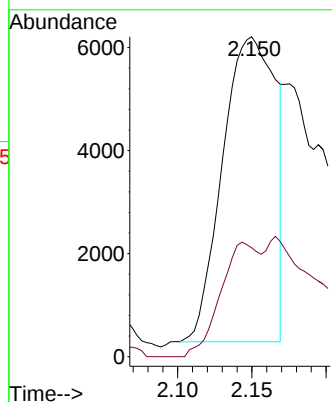
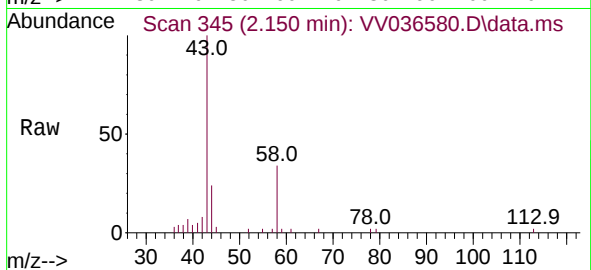
ClientSampleId :

Tgt Ion: 43 Resp: 14703

Ion Ratio Lower Upper

43 100

58 27.5 0.0 28.4



#14

Carbon disulfide

Concen: 18.787 ug/L

RT: 2.230 min Scan# 370

Delta R.T. 0.003 min

Lab File: VV036580.D

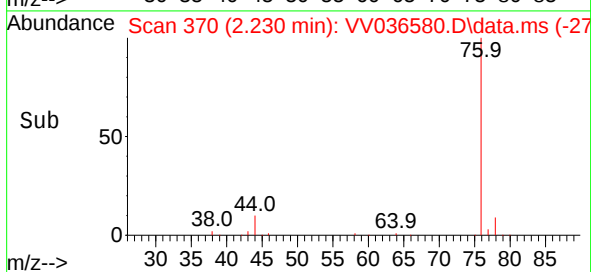
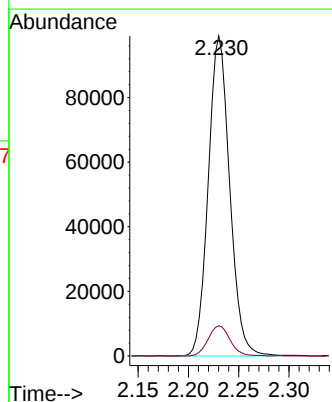
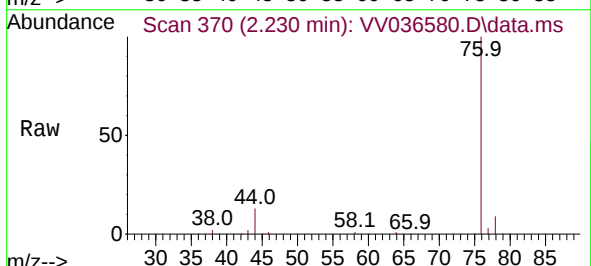
Acq: 16 Jul 2024 20:17

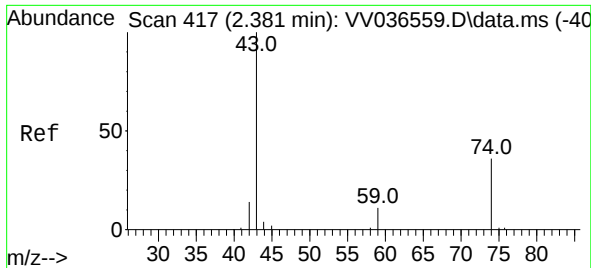
Tgt Ion: 76 Resp: 146753

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2

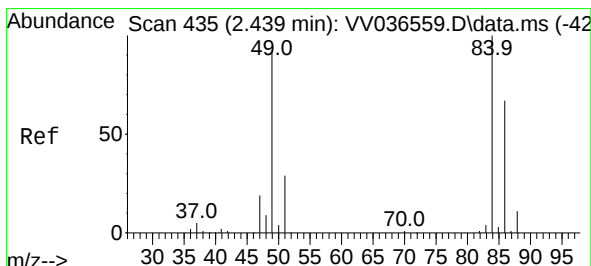
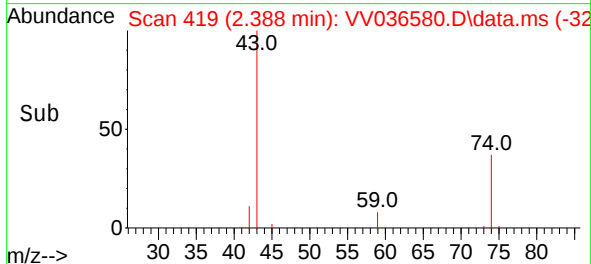
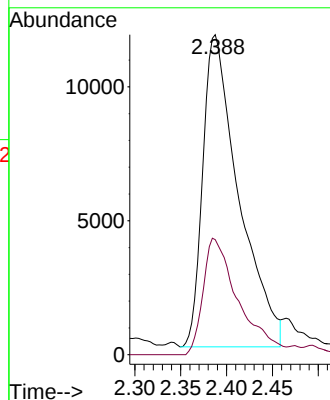
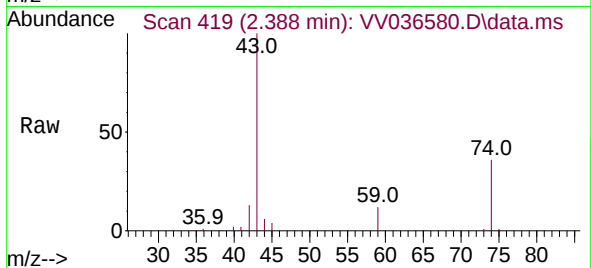




#15
Methyl Acetate
Concen: 28.857 ug/L
RT: 2.388 min Scan# 417
Delta R.T. 0.007 min
Lab File: VV036580.D
Acq: 16 Jul 2024 20:17

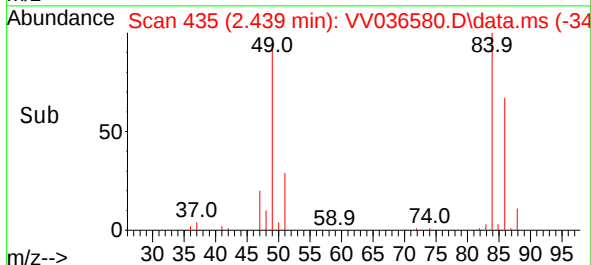
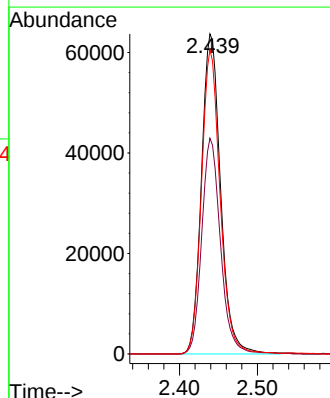
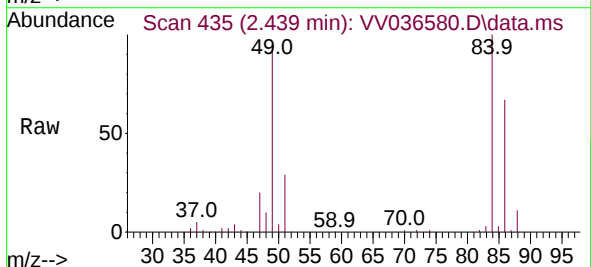
Instrument :
MSVOA_V
ClientSampleId :

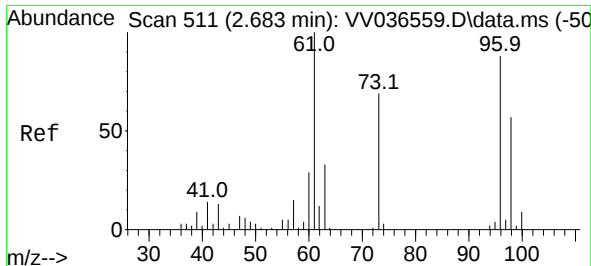
Tgt Ion: 43 Resp: 31831
Ion Ratio Lower Upper
43 100
74 36.6 26.3 39.5



#16
Methylene chloride
Concen: 22.383 ug/L
RT: 2.439 min Scan# 435
Delta R.T. 0.000 min
Lab File: VV036580.D
Acq: 16 Jul 2024 20:17

Tgt Ion: 84 Resp: 108374
Ion Ratio Lower Upper
84 100
86 67.4 46.3 86.1
49 95.1 68.1 126.5





#17

trans-1,2-Dichloroethene

Concen: 22.945 ug/L

RT: 2.687 min Scan# 511

Delta R.T. 0.003 min

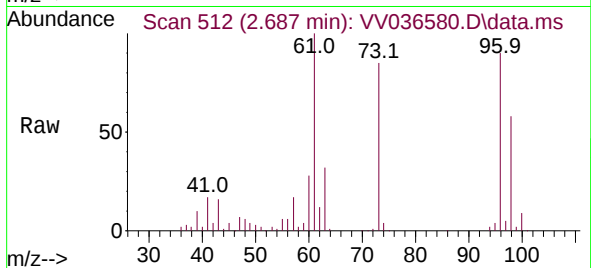
Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

Instrument :

MSVOA_V

ClientSampleId :



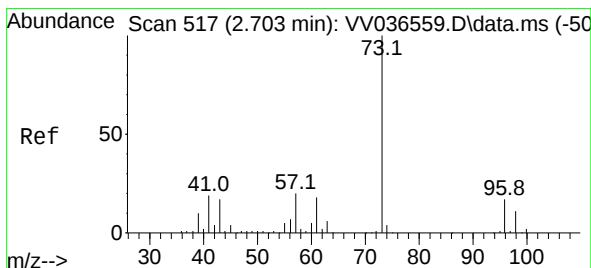
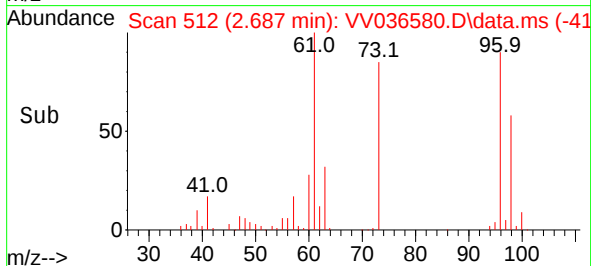
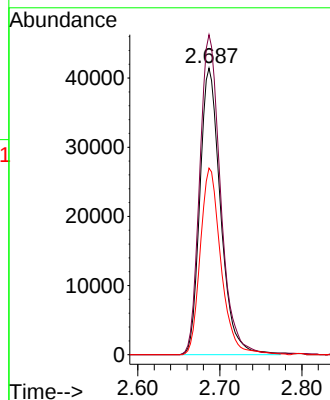
Tgt Ion: 96 Resp: 72543

Ion Ratio Lower Upper

96 100

61 111.7 80.7 149.9

98 65.1 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 27.440 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

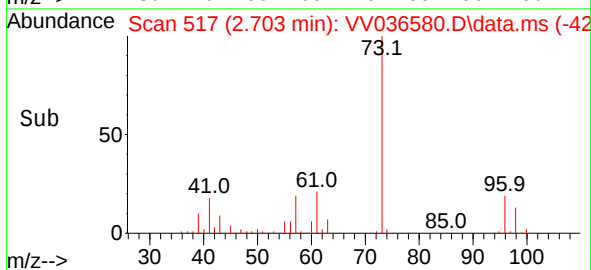
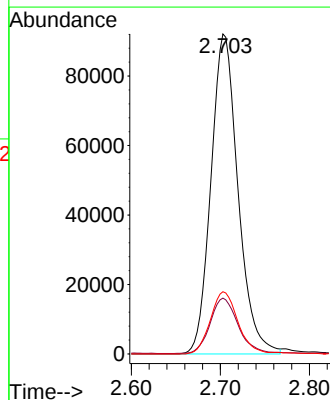
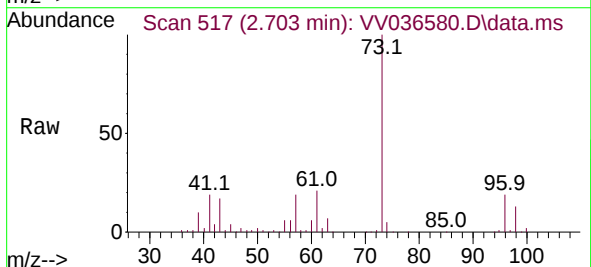
Tgt Ion: 73 Resp: 194405

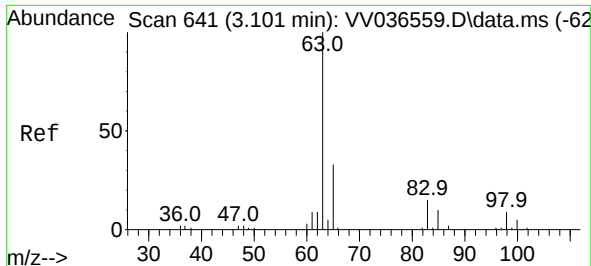
Ion Ratio Lower Upper

73 100

43 17.8 14.3 21.5

57 19.7 16.5 24.7

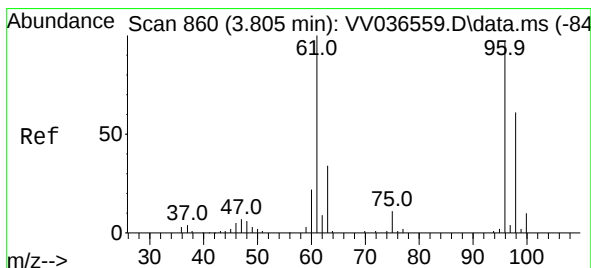
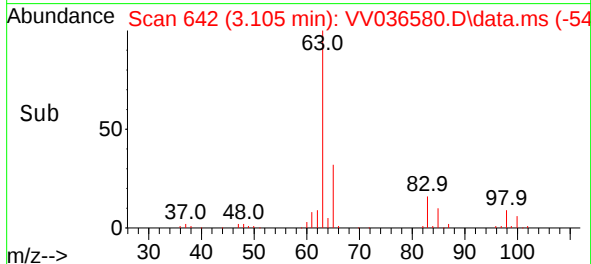
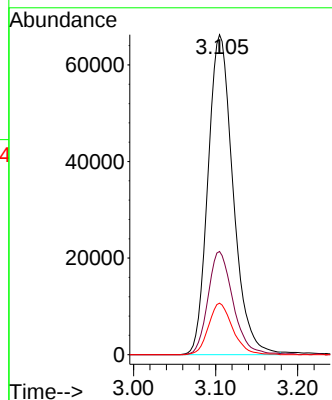
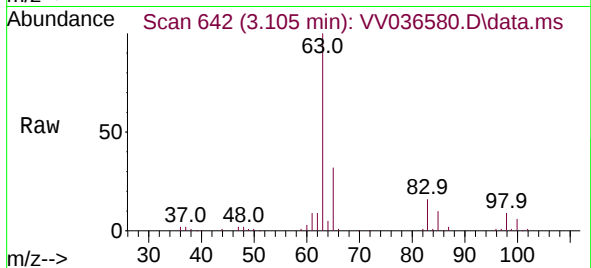




#19
1,1-Dichloroethane
Concen: 24.656 ug/L
RT: 3.105 min Scan# 641
Delta R.T. 0.003 min
Lab File: VV036580.D
Acq: 16 Jul 2024 20:17

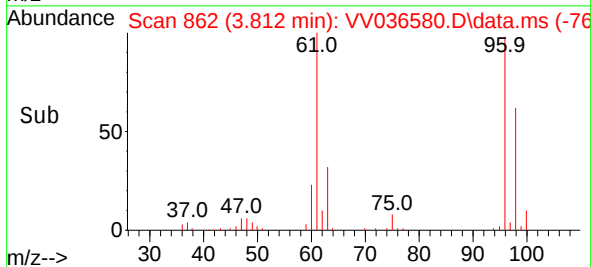
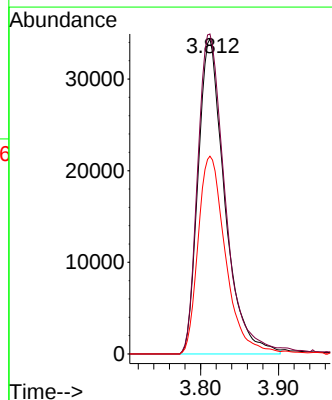
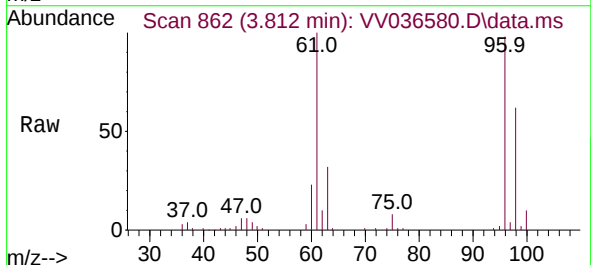
Instrument :
MSVOA_V
ClientSampleId :

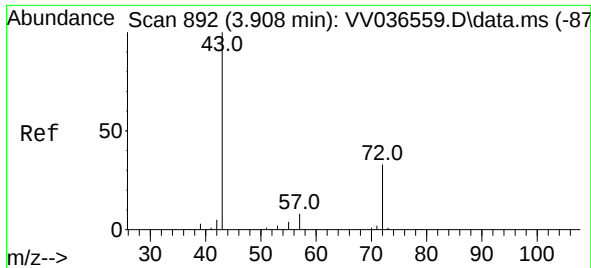
Tgt Ion: 63 Resp: 141103
Ion Ratio Lower Upper
63 100
65 32.3 22.7 42.1
83 16.1 10.9 20.2



#20
cis-1,2-Dichloroethene
Concen: 24.766 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.007 min
Lab File: VV036580.D
Acq: 16 Jul 2024 20:17

Tgt Ion: 96 Resp: 81384
Ion Ratio Lower Upper
96 100
61 101.5 74.8 138.8
98 62.8 45.2 84.0

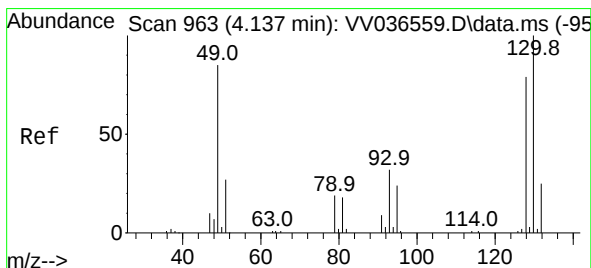
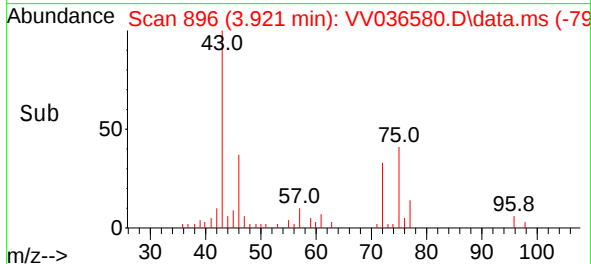
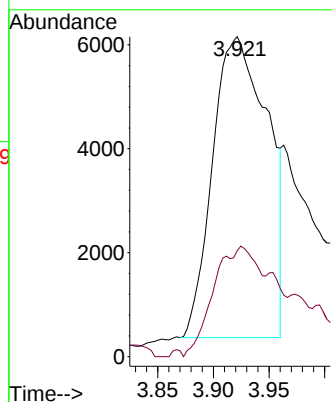
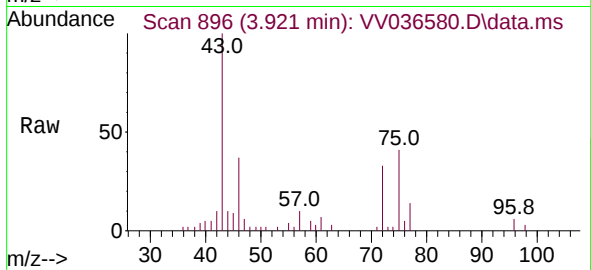




#22
2-Butanone
Concen: 29.035 ug/L
RT: 3.921 min Scan# 892
Delta R.T. 0.013 min
Lab File: VV036580.D
Acq: 16 Jul 2024 20:17

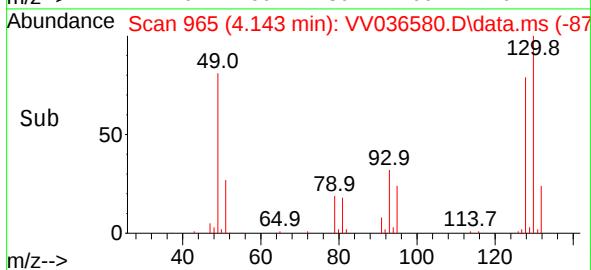
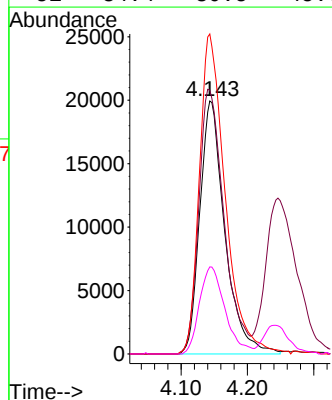
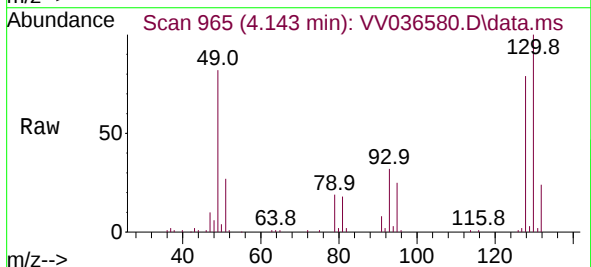
Instrument :
MSVOA_V
ClientSampleId :

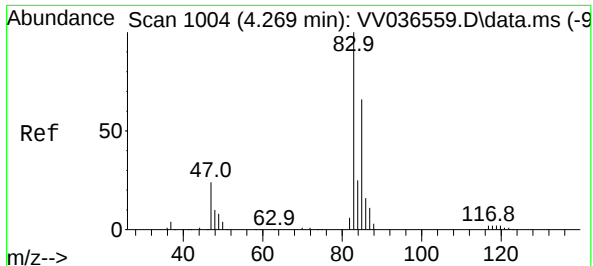
Tgt Ion: 43 Resp: 19902
Ion Ratio Lower Upper
43 100
72 12.9 5.9 17.6



#23
Bromochloromethane
Concen: 28.040 ug/L
RT: 4.143 min Scan# 965
Delta R.T. 0.007 min
Lab File: VV036580.D
Acq: 16 Jul 2024 20:17

Tgt Ion:128 Resp: 52332
Ion Ratio Lower Upper
128 100
49 104.3 80.7 149.9
130 126.5 89.9 167.0
51 34.4 30.5 45.7





#25

Chloroform

Concen: 26.247 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

Instrument :

MSVOA_V

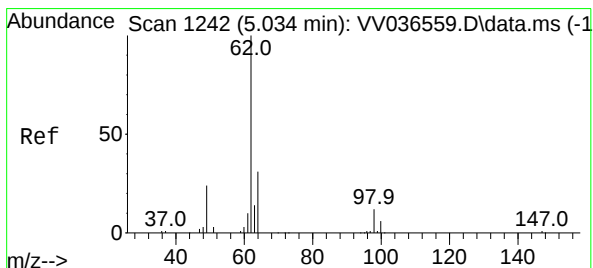
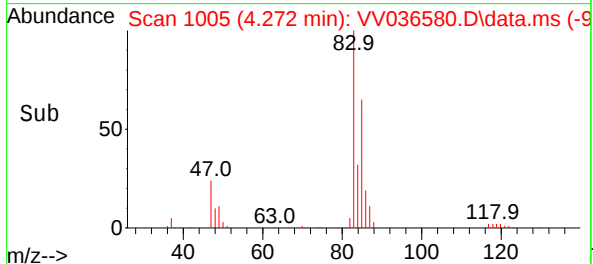
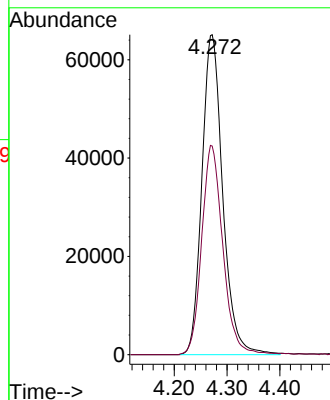
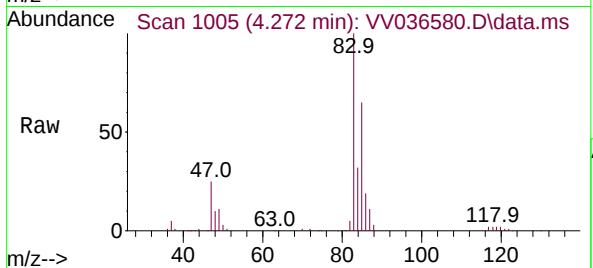
ClientSampleId :

Tgt Ion: 83 Resp: 178351

Ion Ratio Lower Upper

83 100

85 65.2 45.6 84.6



#27

1,2-Dichloroethane

Concen: 29.028 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV036580.D

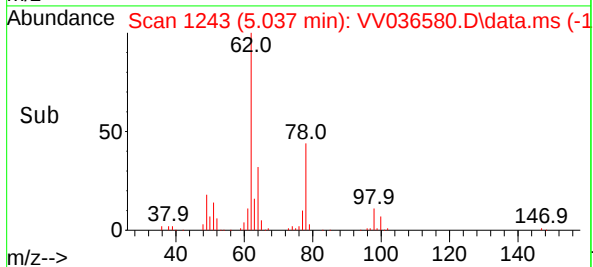
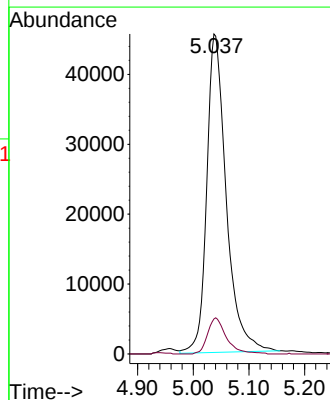
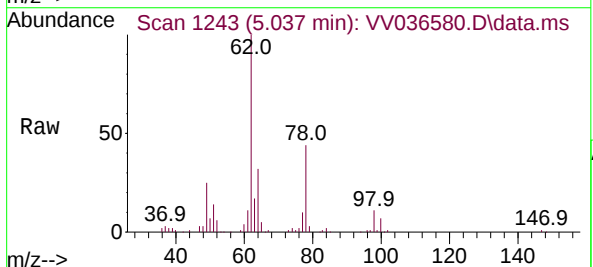
Acq: 16 Jul 2024 20:17

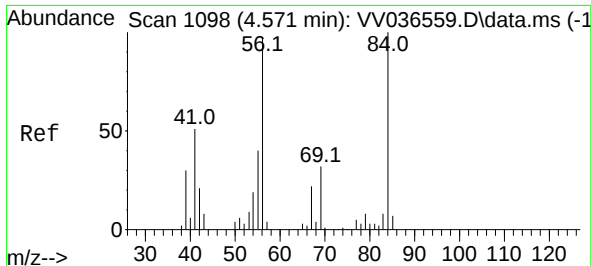
Tgt Ion: 62 Resp: 110801

Ion Ratio Lower Upper

62 100

98 11.0 8.9 13.3





#29

Cyclohexane

Concen: 17.444 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.003 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

Instrument :

MSVOA_V

ClientSampleId :

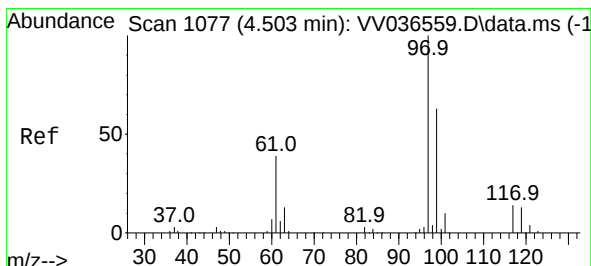
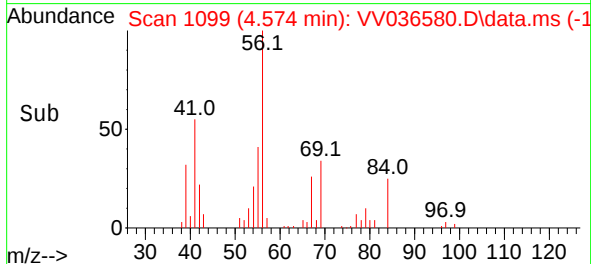
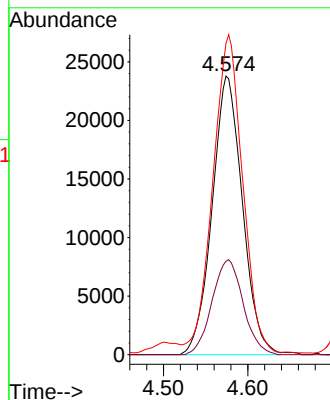
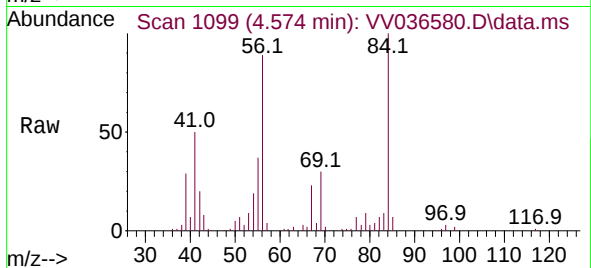
Tgt Ion: 56 Resp: 59272

Ion Ratio Lower Upper

56 100

69 35.0 27.6 41.4

84 112.0 85.4 128.2



#30

1,1,1-Trichloroethane

Concen: 22.462 ug/L

RT: 4.507 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

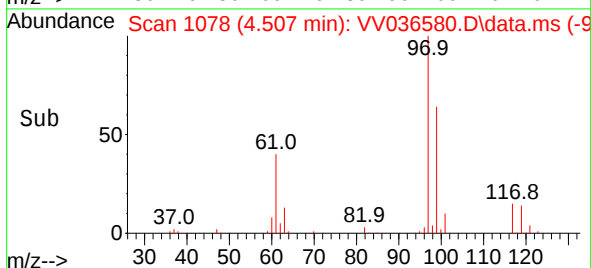
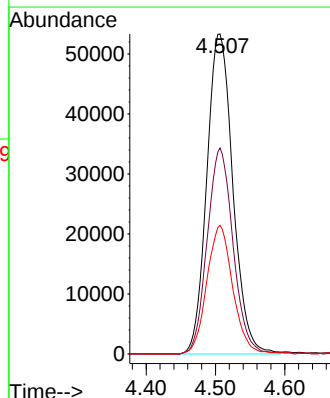
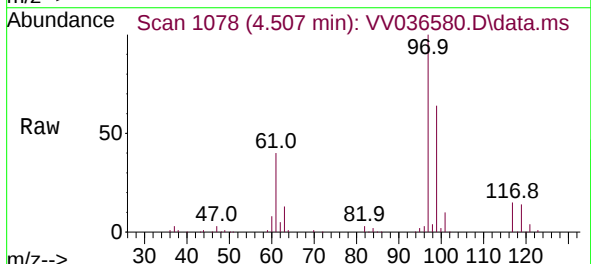
Tgt Ion: 97 Resp: 139467

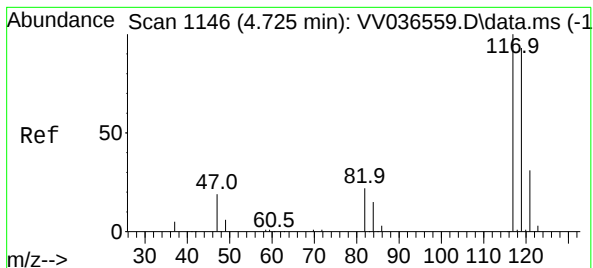
Ion Ratio Lower Upper

97 100

99 63.7 51.9 77.9

61 39.7 32.2 48.4





#31

Carbon tetrachloride

Concen: 21.997 ug/L

RT: 4.728 min Scan# 1146

Delta R.T. 0.003 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

Instrument :

MSVOA_V

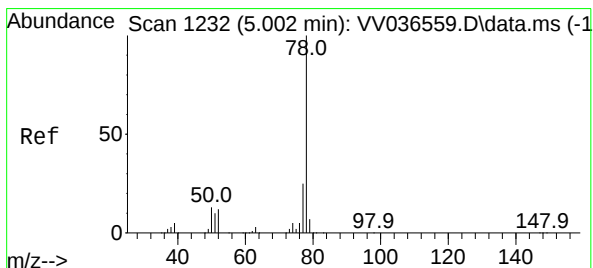
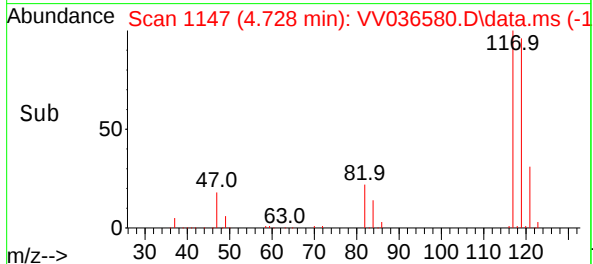
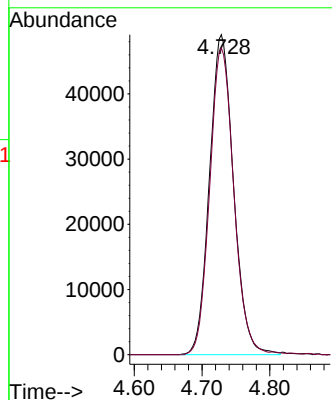
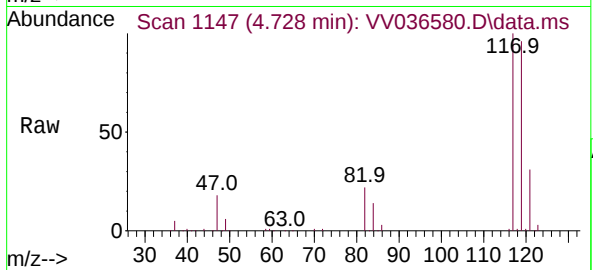
ClientSampleId :

Tgt Ion:117 Resp: 121128

Ion Ratio Lower Upper

117 100

119 95.6 77.6 116.4



#33

Benzene

Concen: 23.338 ug/L

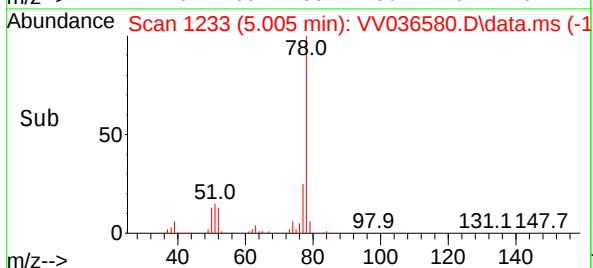
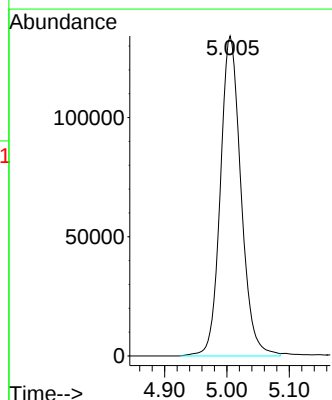
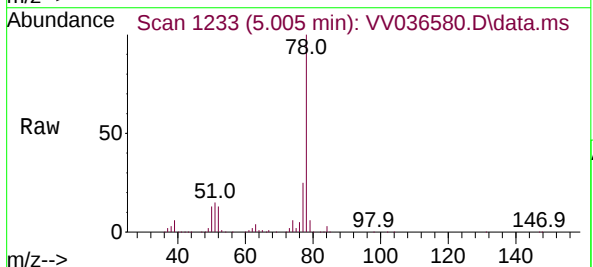
RT: 5.005 min Scan# 1233

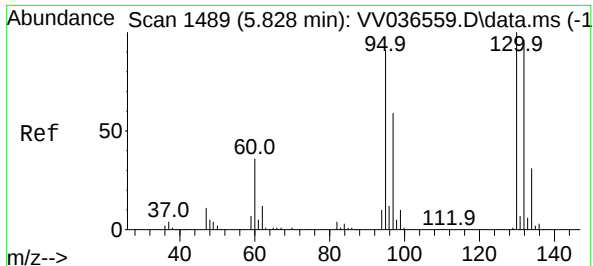
Delta R.T. 0.003 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

Tgt Ion: 78 Resp: 308481





#34

Trichloroethene

Concen: 22.941 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 96492

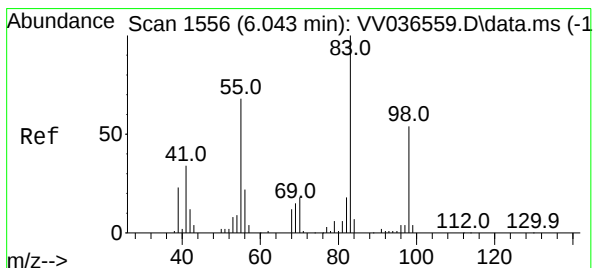
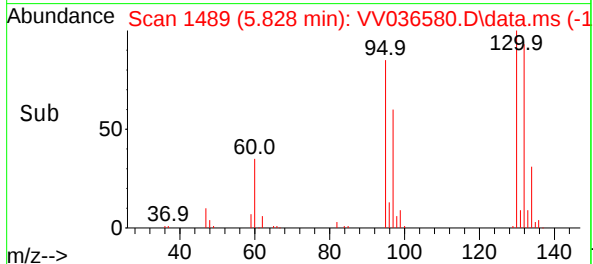
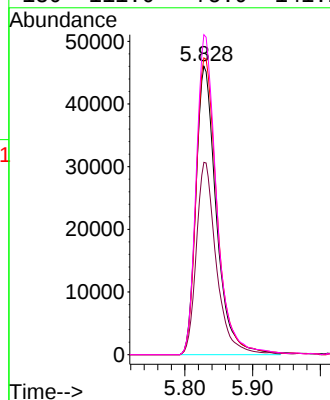
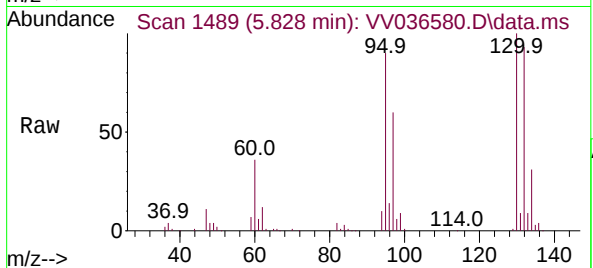
Ion Ratio Lower Upper

95 100

97 66.7 44.4 82.4

132 102.9 73.0 135.6

130 111.0 75.9 141.1



#35

Methylcyclohexane

Concen: 18.752 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.003 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

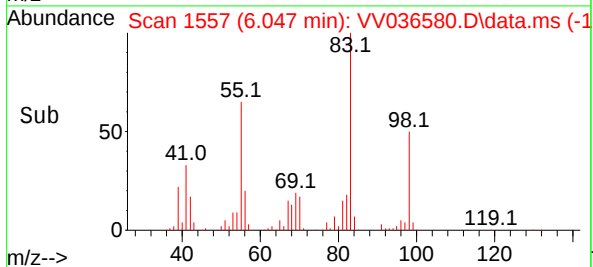
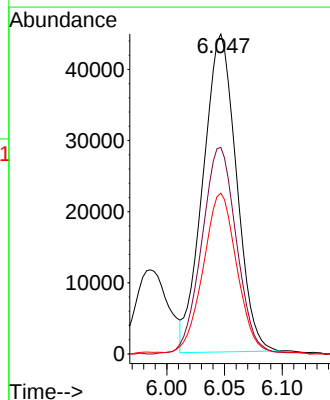
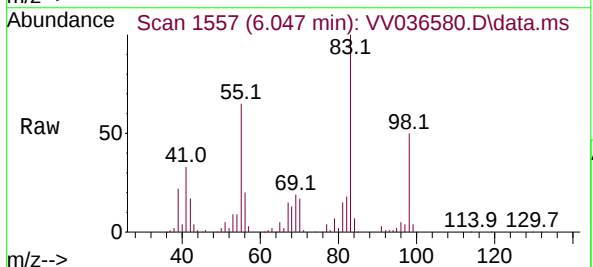
Tgt Ion: 83 Resp: 90014

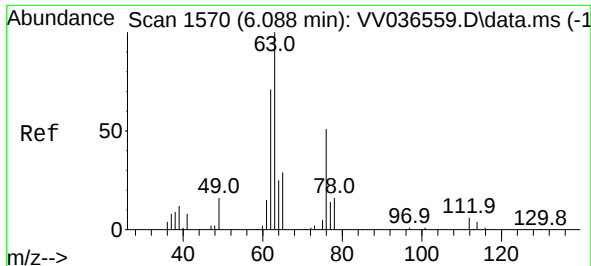
Ion Ratio Lower Upper

83 100

55 67.5 54.3 81.5

98 51.6 41.7 62.5

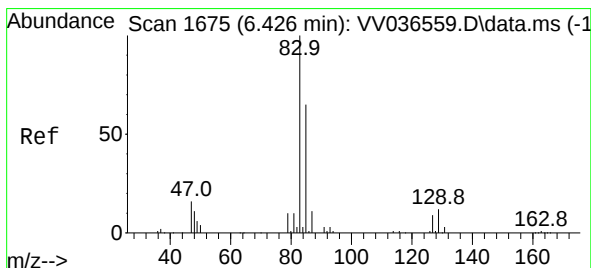
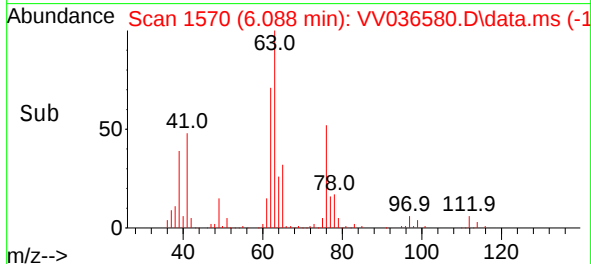
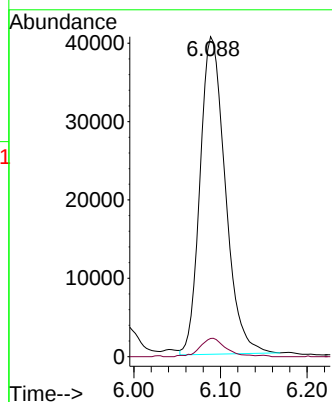
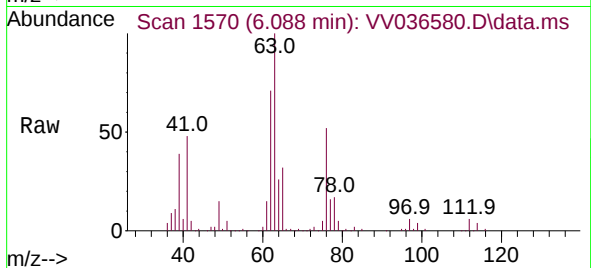




#37
1,2-Dichloropropane
Concen: 24.604 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VV036580.D
Acq: 16 Jul 2024 20:17

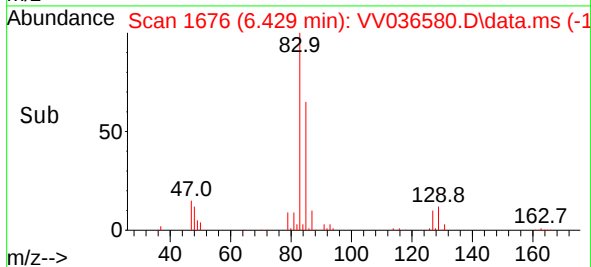
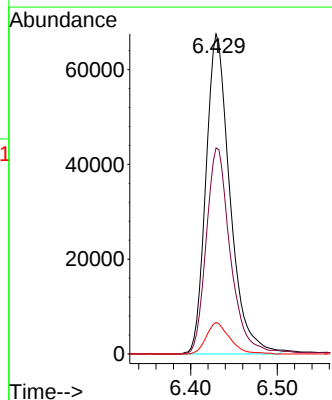
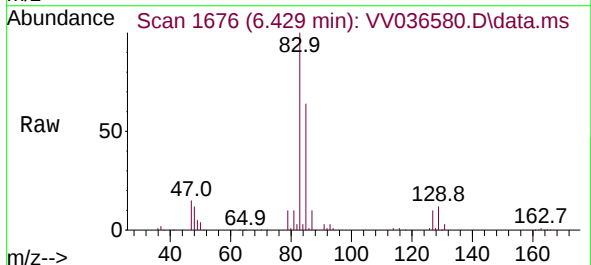
Instrument :
MSVOA_V
ClientSampleId :

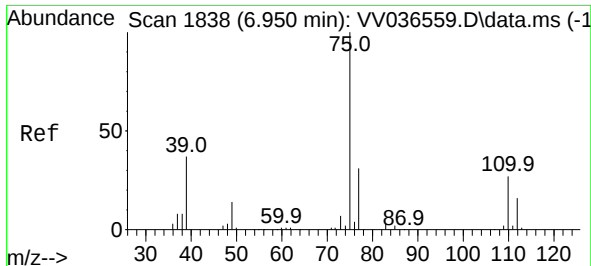
Tgt Ion: 63 Resp: 82074
Ion Ratio Lower Upper
63 100
112 5.8 4.5 6.7



#38
Bromodichloromethane
Concen: 24.624 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.003 min
Lab File: VV036580.D
Acq: 16 Jul 2024 20:17

Tgt Ion: 83 Resp: 130152
Ion Ratio Lower Upper
83 100
85 64.4 44.3 82.3
127 9.8 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 20.300 ug/L

RT: 6.953 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

Instrument :

MSVOA_V

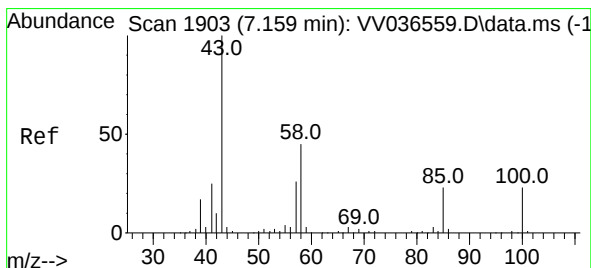
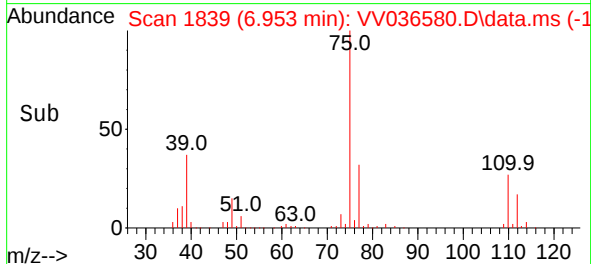
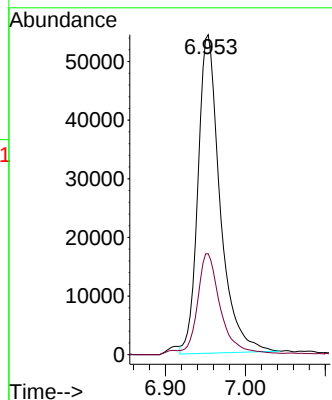
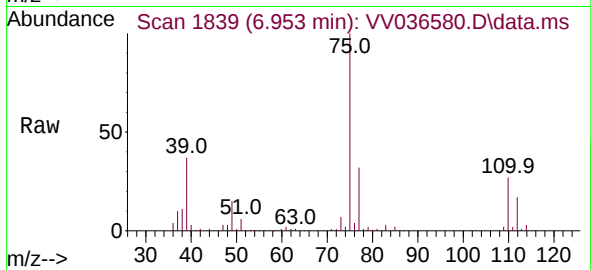
ClientSampleId :

Tgt Ion: 75 Resp: 104423

Ion Ratio Lower Upper

75 100

77 31.5 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 57.035 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.003 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

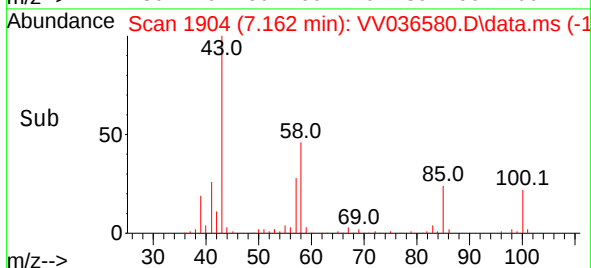
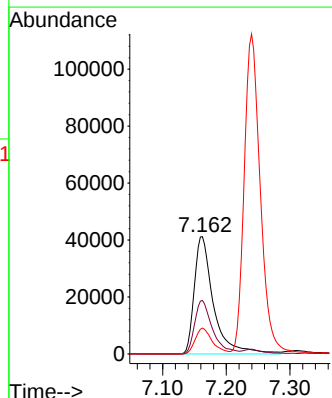
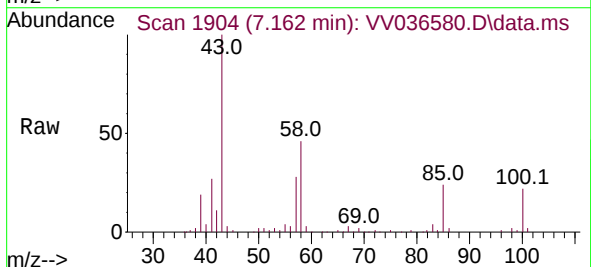
Tgt Ion: 43 Resp: 86460

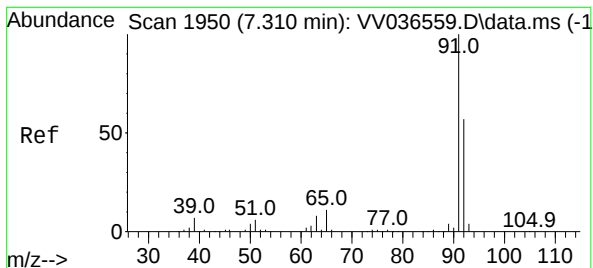
Ion Ratio Lower Upper

43 100

58 42.3 32.9 49.3

100 19.7 15.5 23.3





#42

Toluene

Concen: 24.793 ug/L

RT: 7.314 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

Instrument :

MSVOA_V

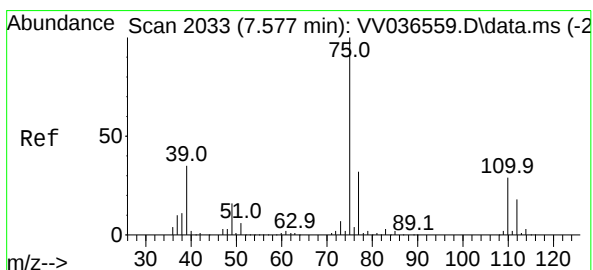
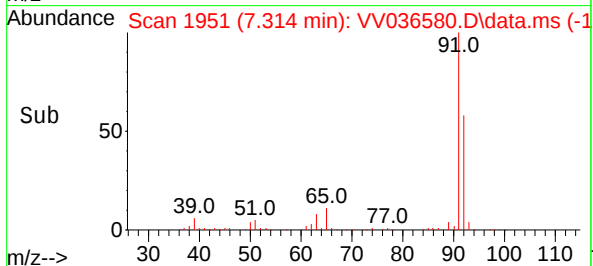
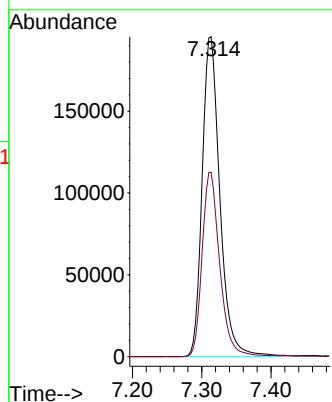
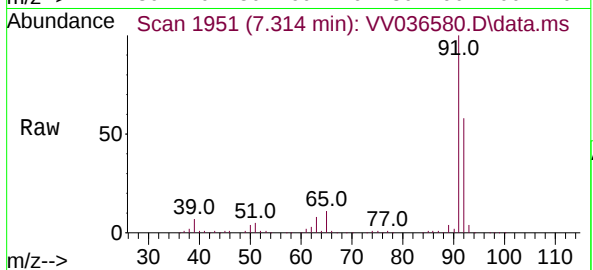
ClientSampleId :

Tgt Ion: 91 Resp: 347247

Ion Ratio Lower Upper

91 100

92 57.7 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 23.002 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV036580.D

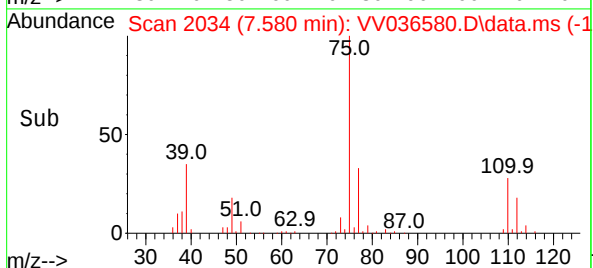
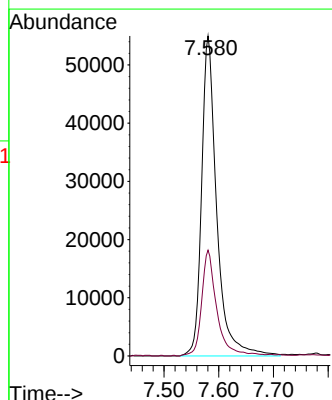
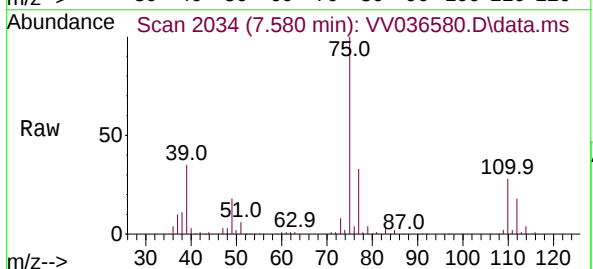
Acq: 16 Jul 2024 20:17

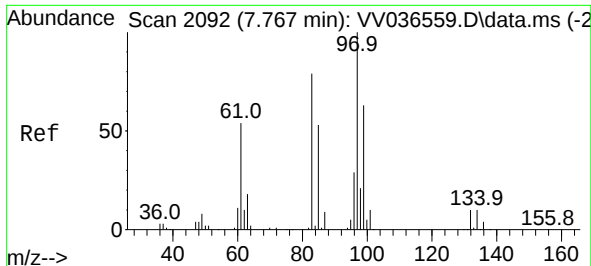
Tgt Ion: 75 Resp: 105494

Ion Ratio Lower Upper

75 100

77 33.1 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 27.154 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.000 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 89256

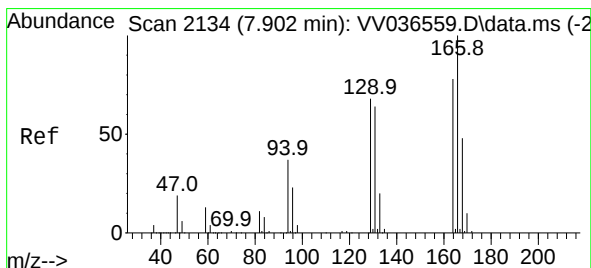
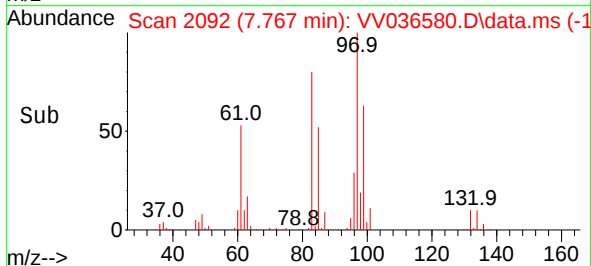
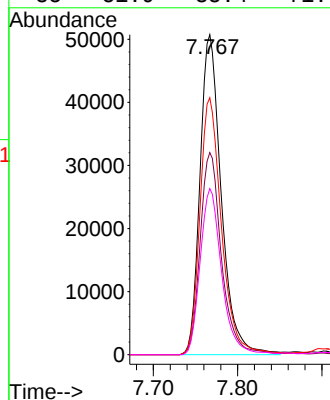
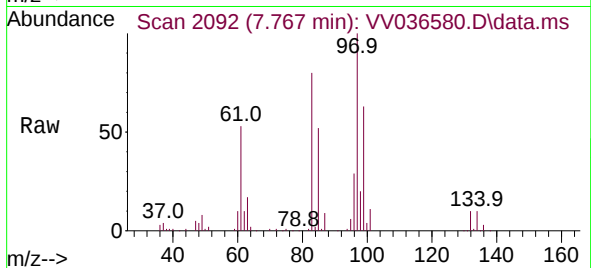
Ion Ratio Lower Upper

97 100

99 63.1 42.6 79.2

83 80.3 58.0 107.6

85 51.9 38.4 71.4



#46

Tetrachloroethene

Concen: 22.244 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.000 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

Tgt Ion:164 Resp: 75649

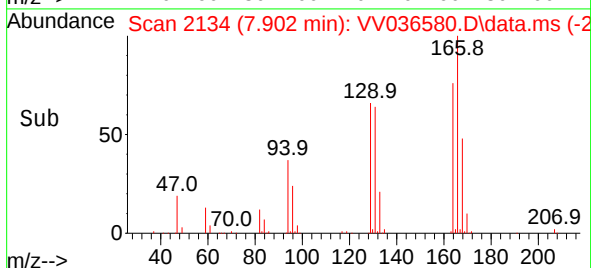
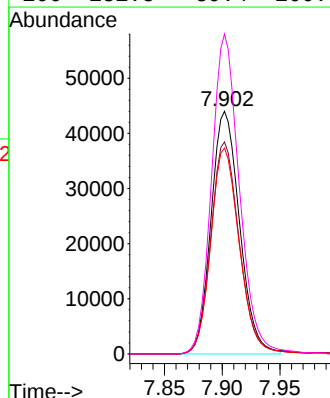
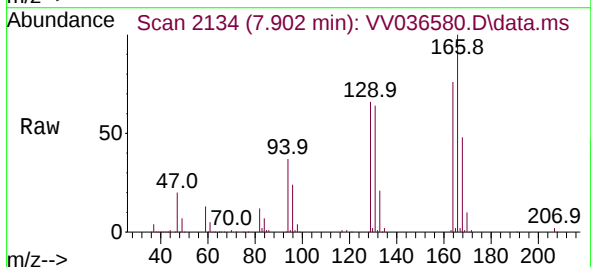
Ion Ratio Lower Upper

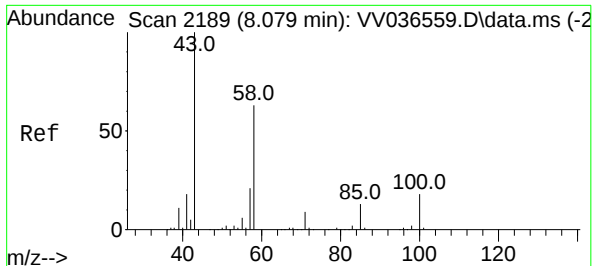
164 100

129 87.4 61.0 113.4

131 84.8 59.8 111.1

166 131.8 89.4 166.0

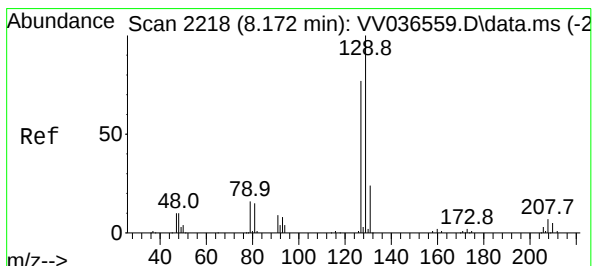
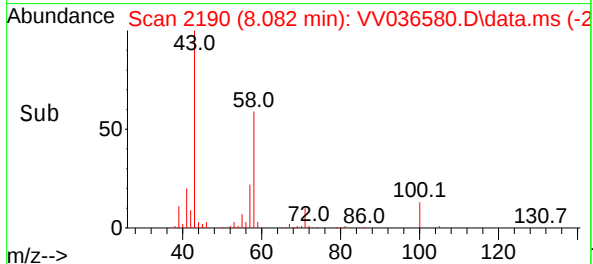
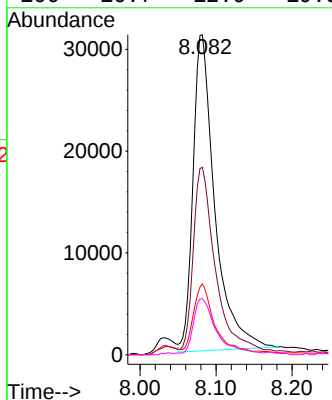
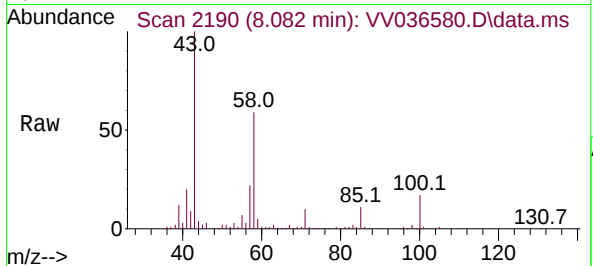




#48
2-Hexanone
Concen: 55.240 ug/L
RT: 8.082 min Scan# 2189
Delta R.T. 0.003 min
Lab File: VV036580.D
Acq: 16 Jul 2024 20:17

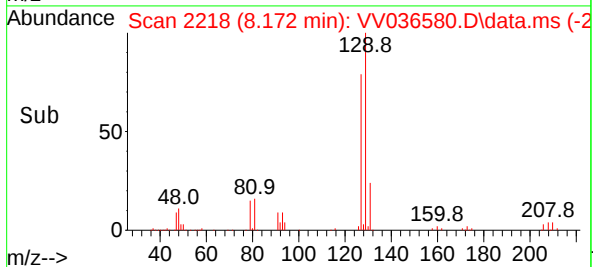
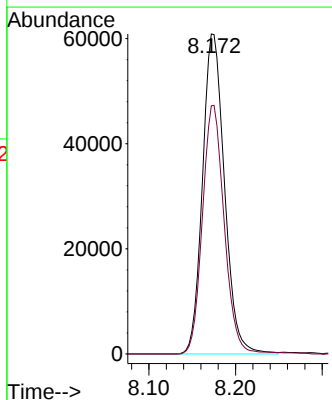
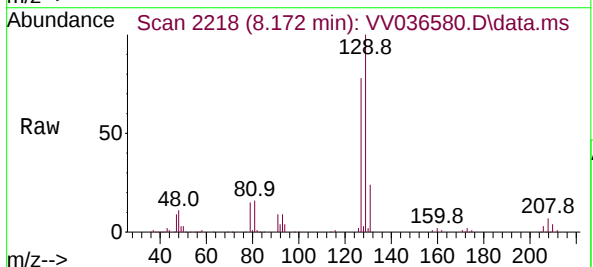
Instrument :
MSVOA_V
ClientSampleId :

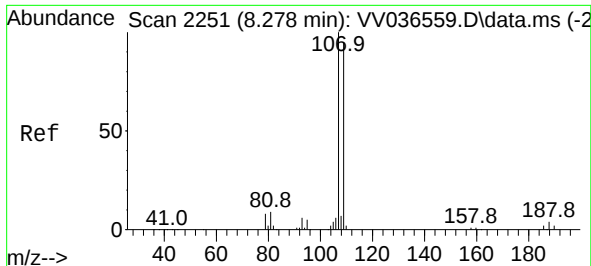
Tgt Ion: 43	Resp: 62116
Ion Ratio	Lower Upper
43	100
58	58.2 49.5 74.3
57	20.2 15.3 22.9
100	16.7 12.9 19.3



#49
Dibromochloromethane
Concen: 27.025 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.000 min
Lab File: VV036580.D
Acq: 16 Jul 2024 20:17

Tgt Ion: 129	Resp: 107419
Ion Ratio	Lower Upper
129	100
127	77.5 53.7 99.7

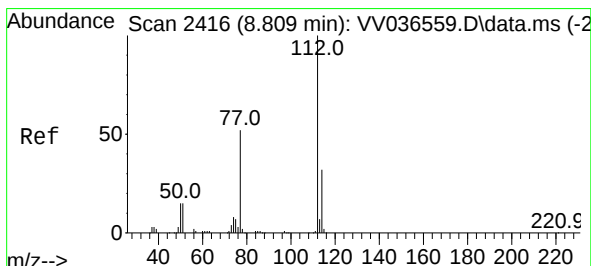
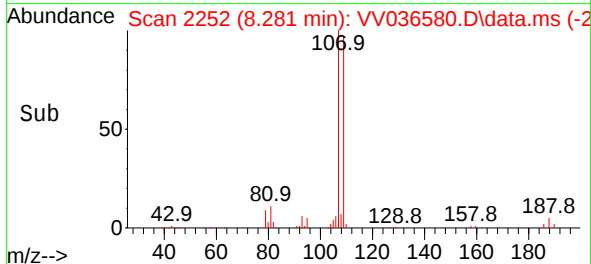
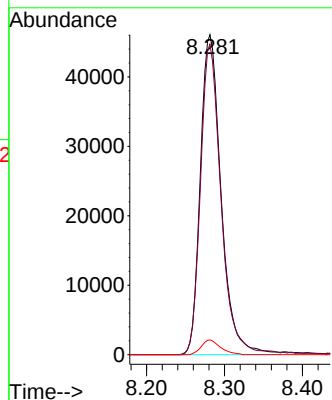
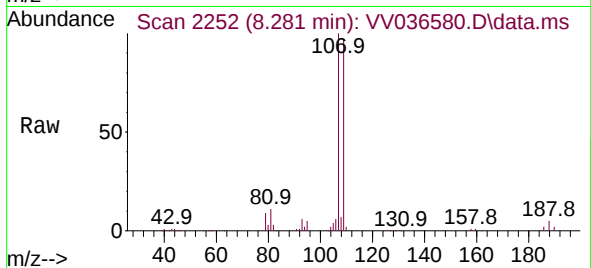




#50
1,2-Dibromoethane
Concen: 27.680 ug/L
RT: 8.281 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV036580.D
Acq: 16 Jul 2024 20:17

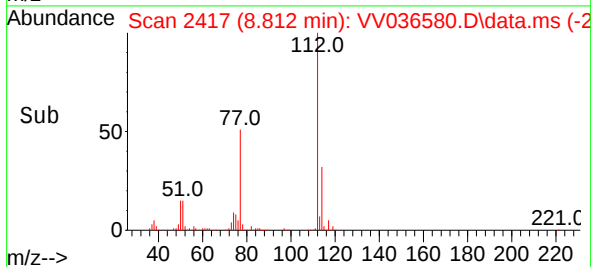
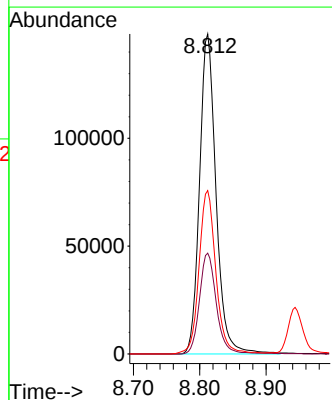
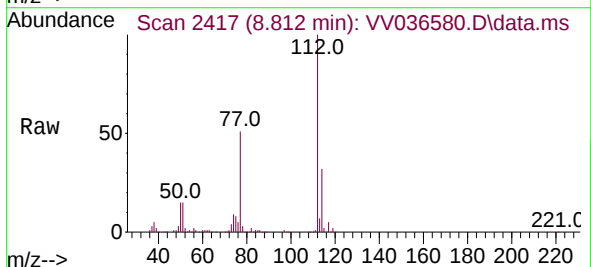
Instrument :
MSVOA_V
ClientSampleId :

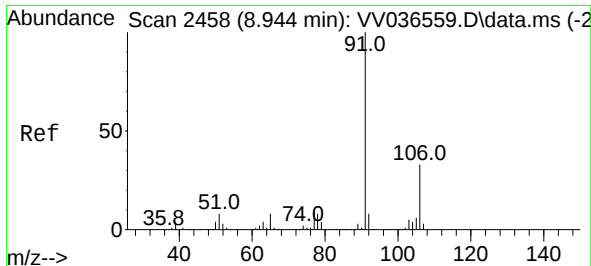
Tgt Ion:107 Resp: 85391
Ion Ratio Lower Upper
107 100
109 97.0 66.2 123.0
188 4.6 3.4 5.0



#51
Chlorobenzene
Concen: 24.431 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV036580.D
Acq: 16 Jul 2024 20:17

Tgt Ion:112 Resp: 256265
Ion Ratio Lower Upper
112 100
114 31.5 22.5 41.9
77 51.1 43.0 64.6





#52

Ethylbenzene

Concen: 23.292 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.000 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

Instrument :

MSVOA_V

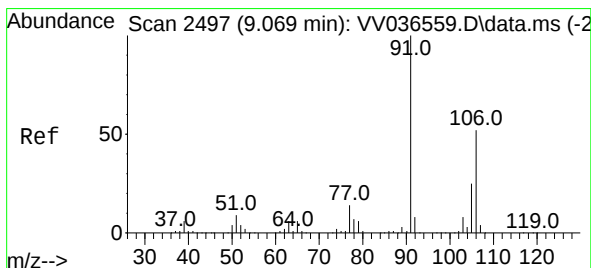
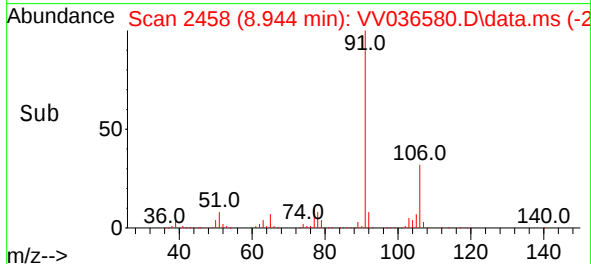
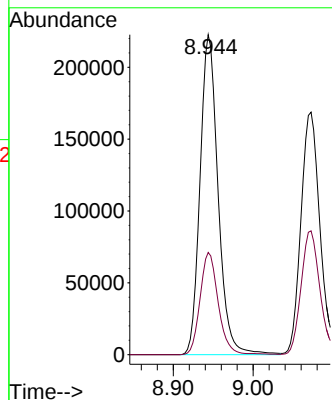
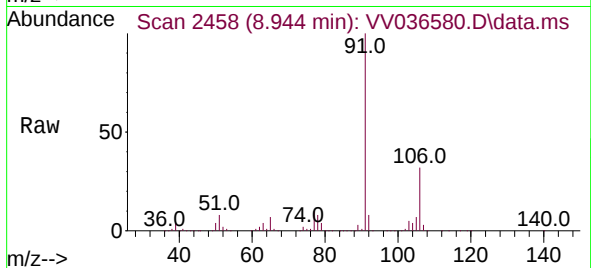
ClientSampleId :

Tgt Ion: 91 Resp: 349933

Ion Ratio Lower Upper

91 100

106 32.0 22.6 42.0



#53

m,p-Xylene

Concen: 24.440 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.003 min

Lab File: VV036580.D

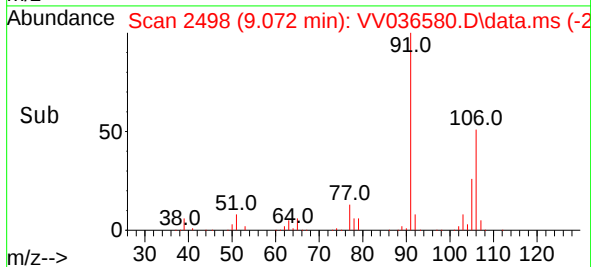
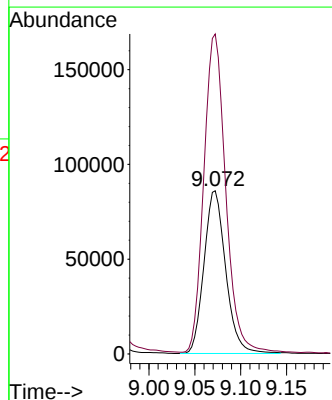
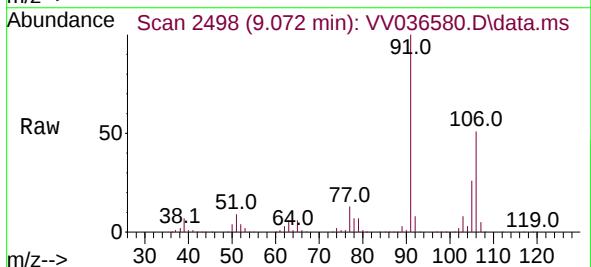
Acq: 16 Jul 2024 20:17

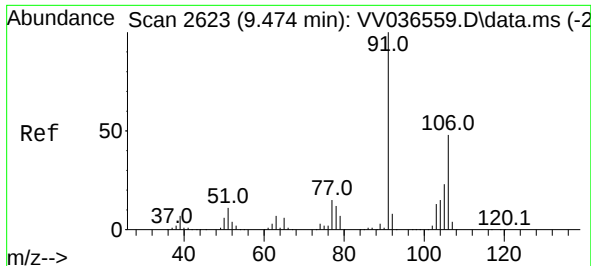
Tgt Ion:106 Resp: 141367

Ion Ratio Lower Upper

106 100

91 196.0 137.1 254.7





#54

o-Xylene

Concen: 24.818 ug/L

RT: 9.477 min Scan# 2623

Delta R.T. 0.003 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

Instrument :

MSVOA_V

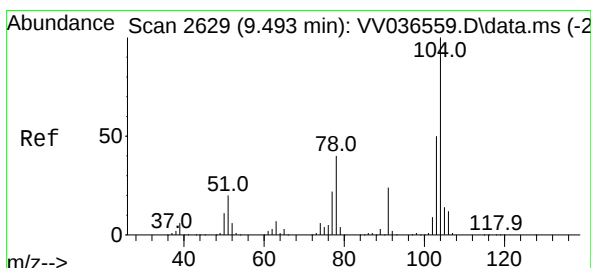
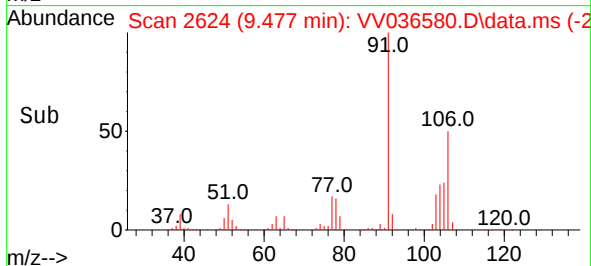
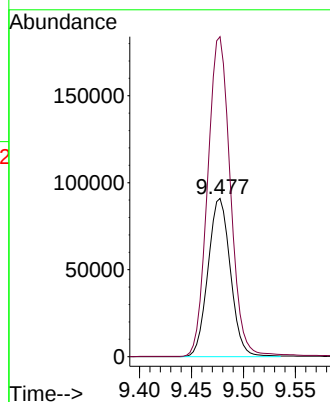
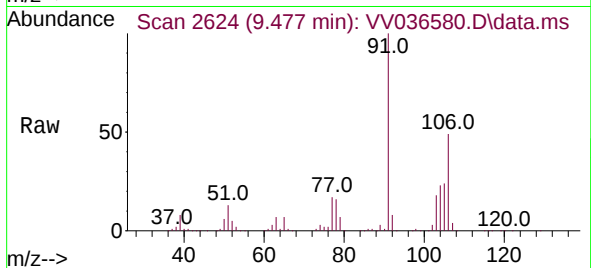
ClientSampleId :

Tgt Ion:106 Resp: 136676

Ion Ratio Lower Upper

106 100

91 202.3 147.3 273.6



#55

Styrene

Concen: 27.344 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. 0.000 min

Lab File: VV036580.D

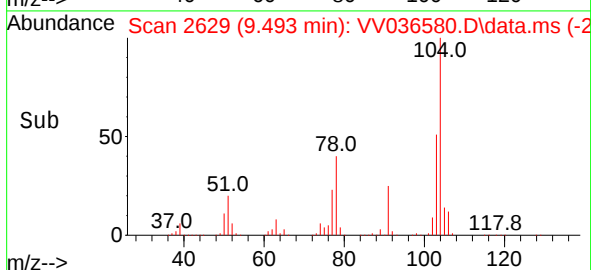
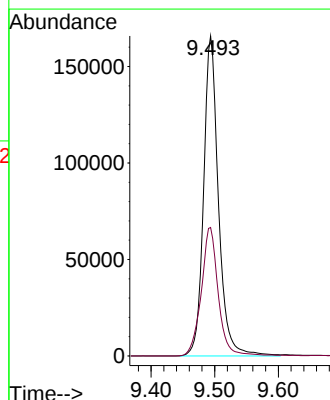
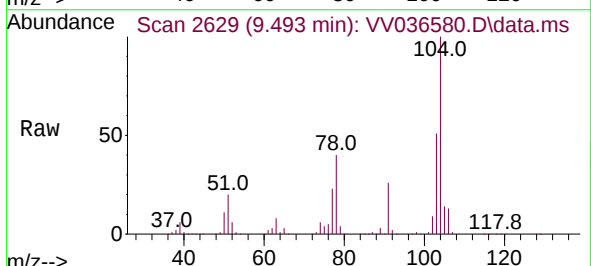
Acq: 16 Jul 2024 20:17

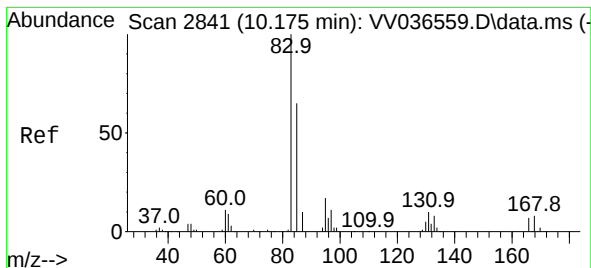
Tgt Ion:104 Resp: 269431

Ion Ratio Lower Upper

104 100

78 40.1 28.8 53.6





#57

1,1,2,2-Tetrachloroethane

Concen: 27.588 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

Instrument :

MSVOA_V

ClientSampleId :

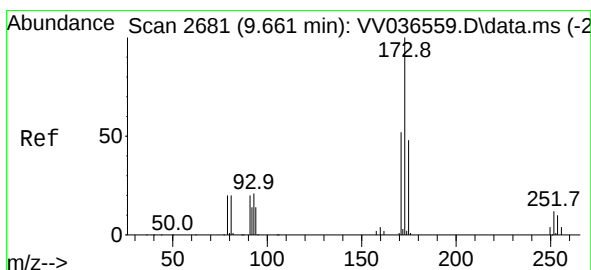
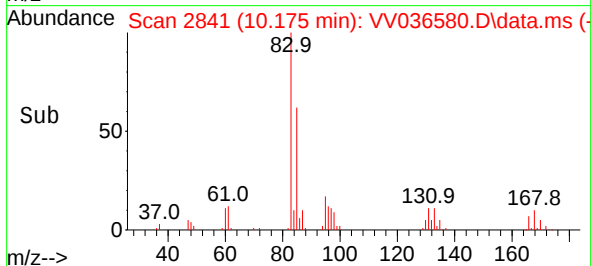
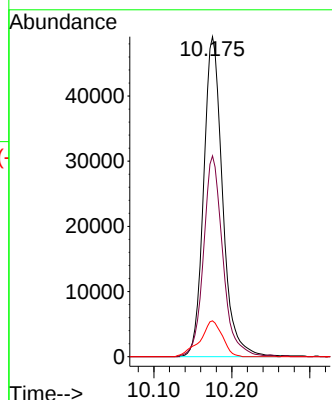
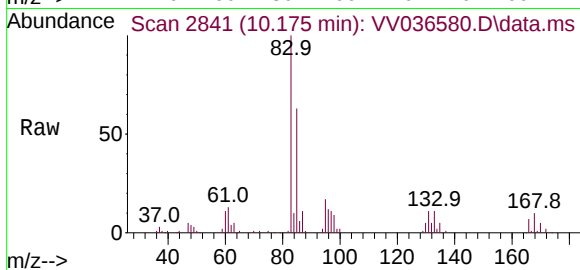
Tgt Ion: 83 Resp: 82807

Ion Ratio Lower Upper

83 100

85 62.7 45.0 83.6

131 11.2 8.1 12.1



#59

Bromoform

Concen: 26.917 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.003 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

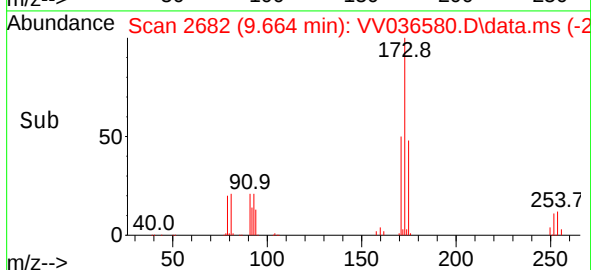
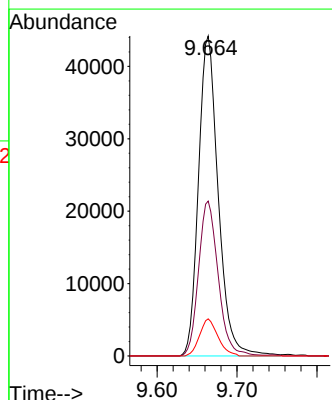
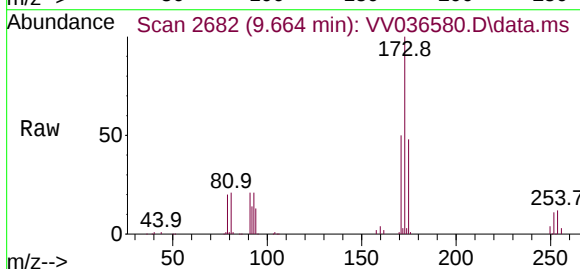
Tgt Ion: 173 Resp: 76124

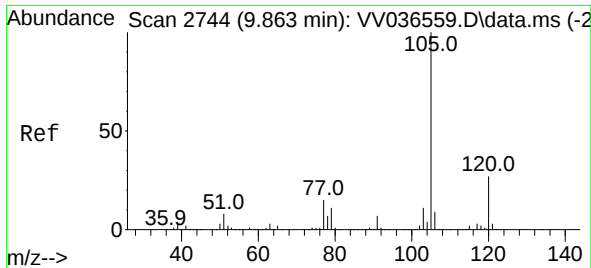
Ion Ratio Lower Upper

173 100

175 48.0 37.6 56.4

254 10.8 8.2 12.4

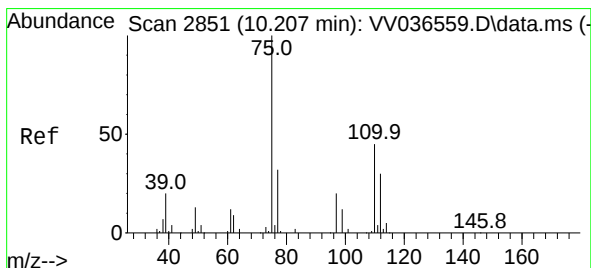
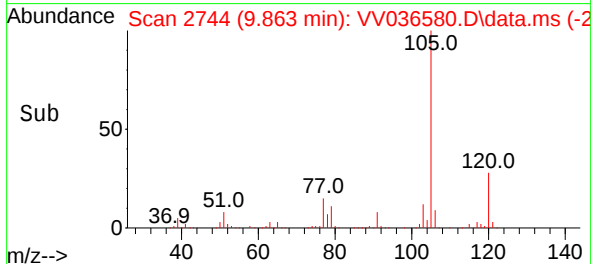
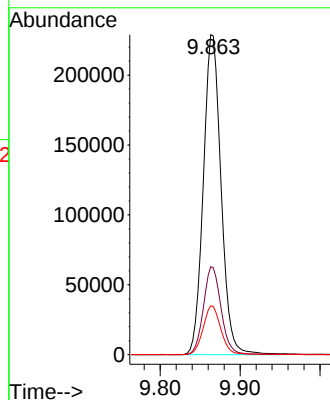
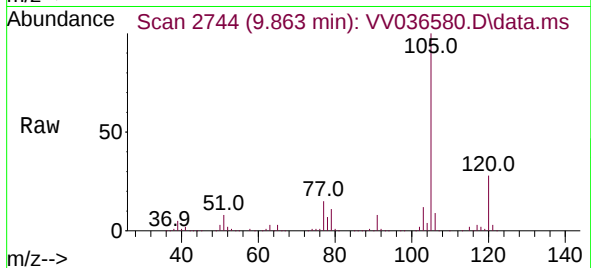




#60
Isopropylbenzene
Concen: 22.199 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. 0.000 min
Lab File: VV036580.D
Acq: 16 Jul 2024 20:17

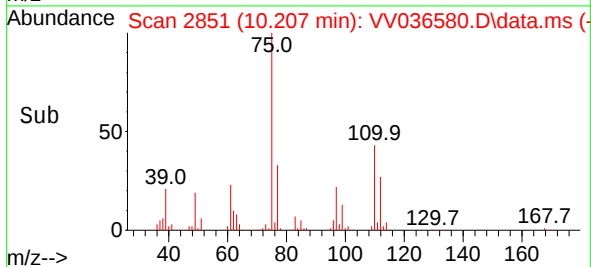
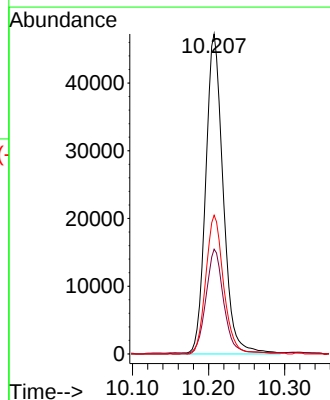
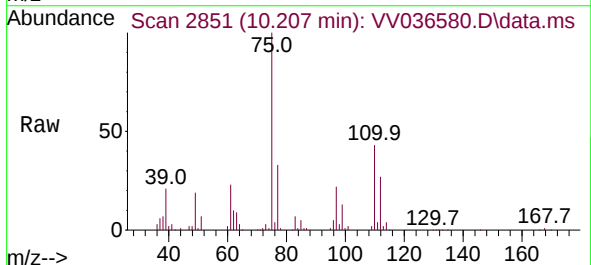
Instrument :
MSVOA_V
ClientSampleId :

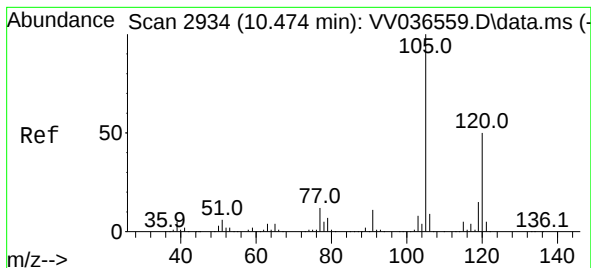
Tgt Ion:105 Resp: 353890
Ion Ratio Lower Upper
105 100
120 27.4 21.8 32.6
77 15.0 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 26.651 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV036580.D
Acq: 16 Jul 2024 20:17

Tgt Ion: 75 Resp: 75666
Ion Ratio Lower Upper
75 100
77 33.1 25.6 38.4
110 44.2 34.8 52.2





#62

1,3,5-Trimethylbenzene

Concen: 21.755 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

Instrument :

MSVOA_V

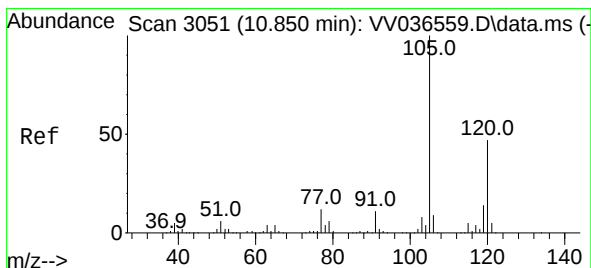
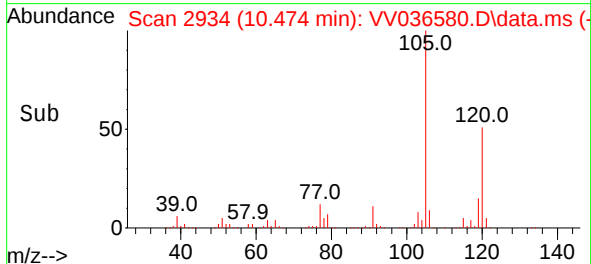
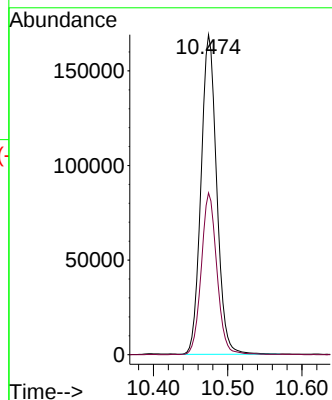
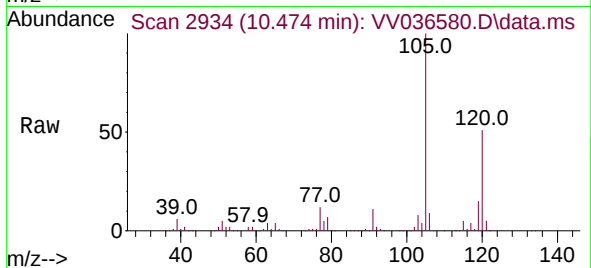
ClientSampleId :

Tgt Ion:105 Resp: 248367

Ion Ratio Lower Upper

105 100

120 50.2 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 23.035 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV036580.D

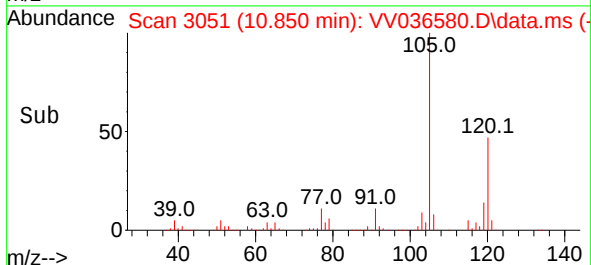
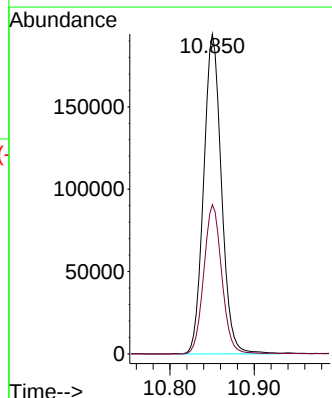
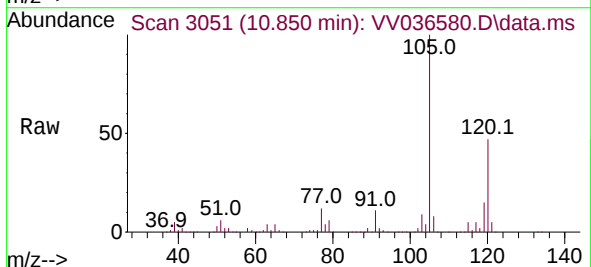
Acq: 16 Jul 2024 20:17

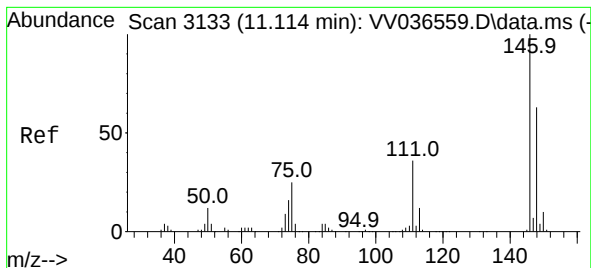
Tgt Ion:105 Resp: 286146

Ion Ratio Lower Upper

105 100

120 47.1 37.0 55.4





#64

1,3-Dichlorobenzene

Concen: 24.154 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

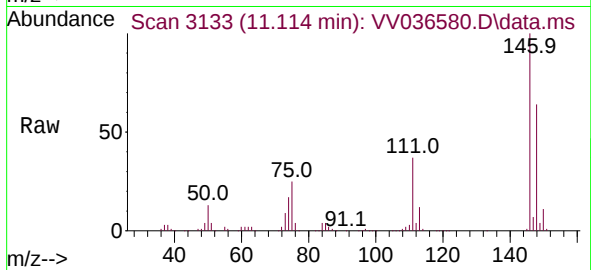
Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

Instrument :

MSVOA_V

ClientSampleId :



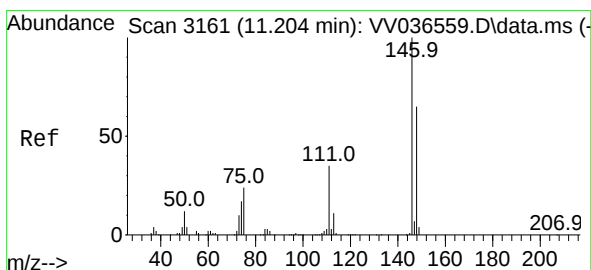
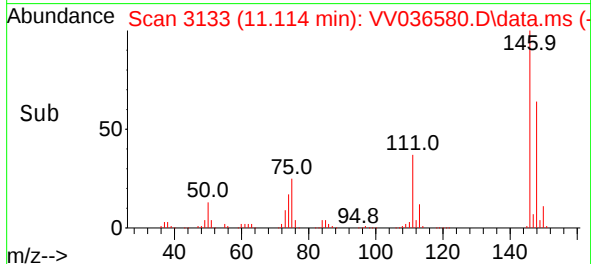
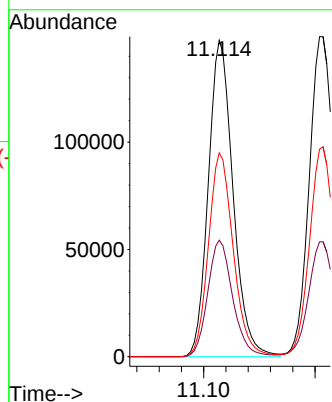
Tgt Ion:146 Resp: 227628

Ion Ratio Lower Upper

146 100

111 36.8 25.8 47.8

148 64.4 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 24.006 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

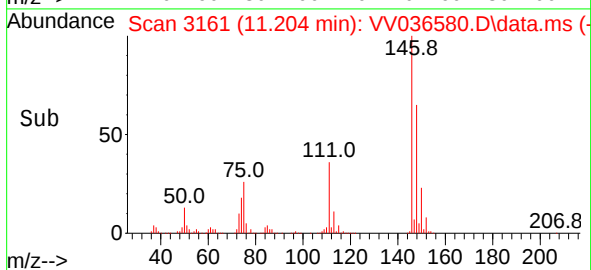
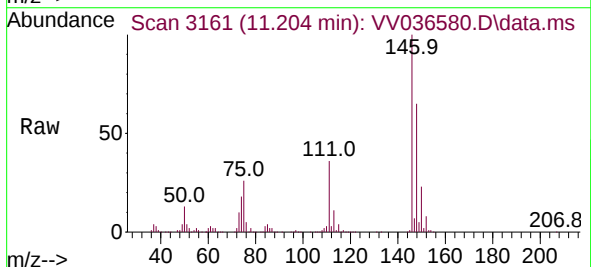
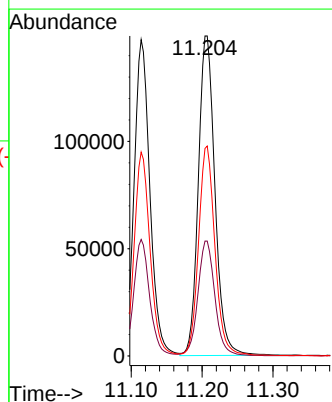
Tgt Ion:146 Resp: 242932

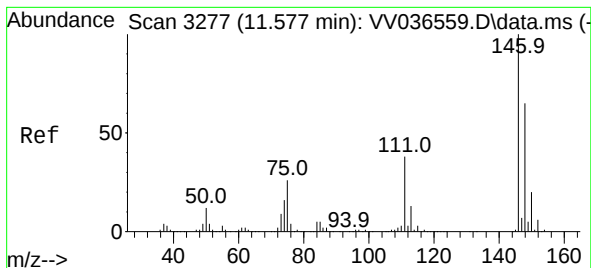
Ion Ratio Lower Upper

146 100

111 35.9 25.2 46.8

148 64.9 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 25.075 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

Instrument :

MSVOA_V

ClientSampleId :

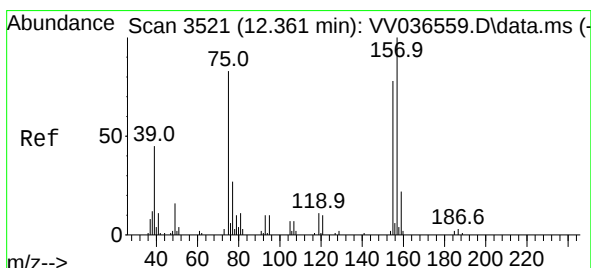
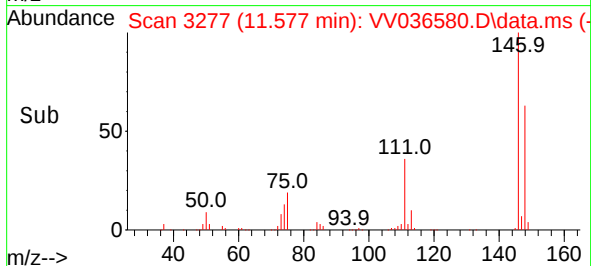
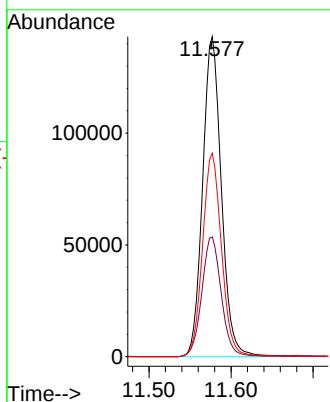
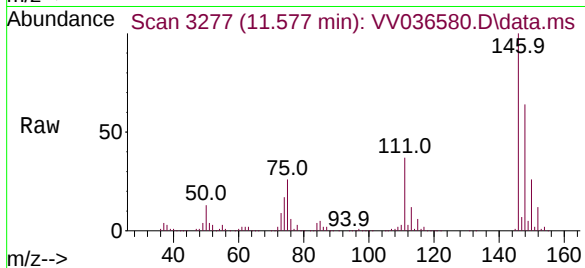
Tgt Ion:146 Resp: 227087

Ion Ratio Lower Upper

146 100

111 37.4 30.8 46.2

148 63.6 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 28.766 ug/L

RT: 12.362 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

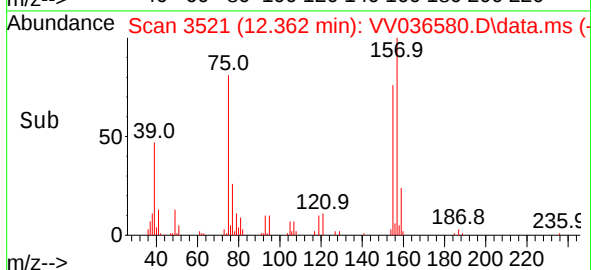
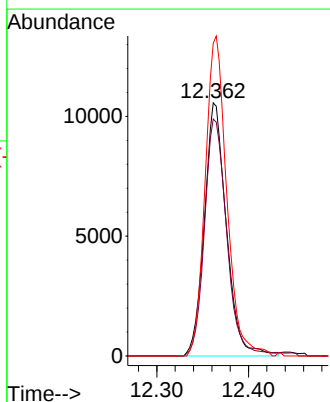
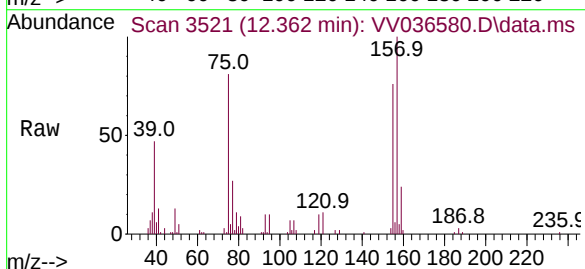
Tgt Ion: 75 Resp: 17670

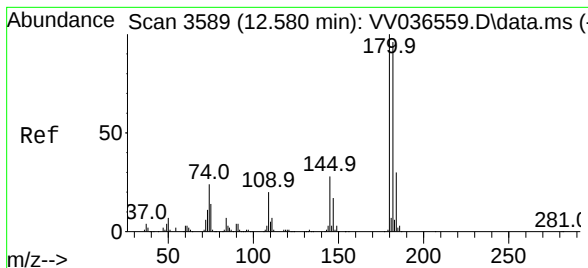
Ion Ratio Lower Upper

75 100

155 93.6 74.6 111.8

157 123.6 95.0 142.4





#69

1,3,5-Trichlorobenzene

Concen: 22.860 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

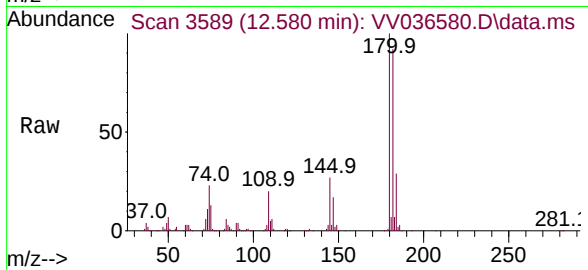
Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 166812

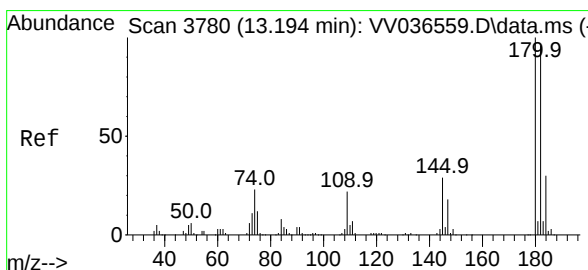
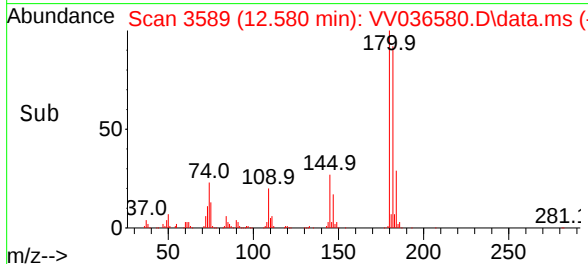
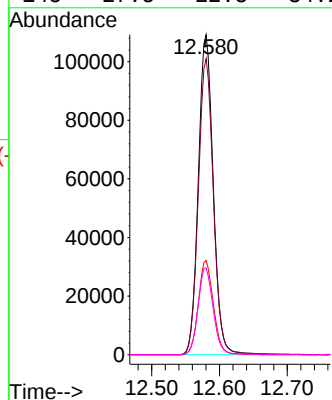
Ion Ratio Lower Upper

180 100

182 93.3 77.4 116.0

184 29.6 24.4 36.6

145 27.5 22.8 34.2



#70

1,2,4-trichlorobenzene

Concen: 23.110 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

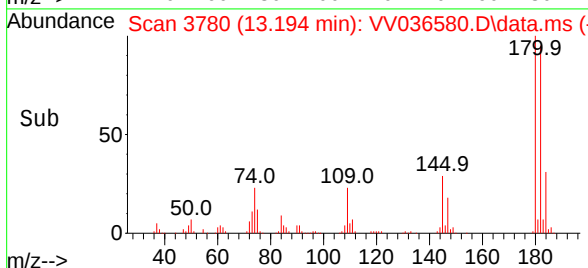
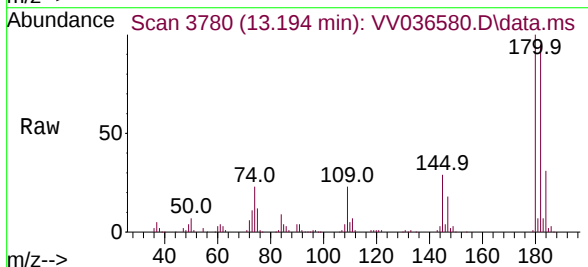
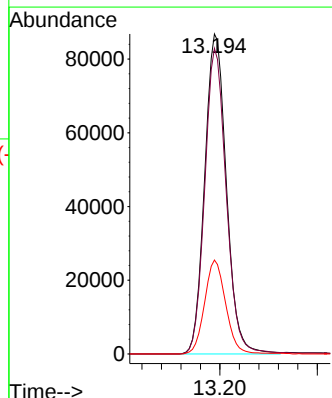
Tgt Ion:180 Resp: 134124

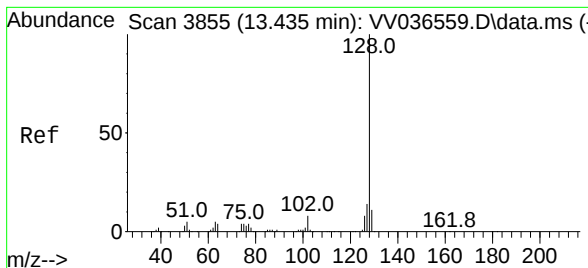
Ion Ratio Lower Upper

180 100

182 94.8 76.7 115.1

145 28.6 23.0 34.6





#71

Naphthalene

Concen: 25.166 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

Instrument :

MSVOA_V

ClientSampleId :

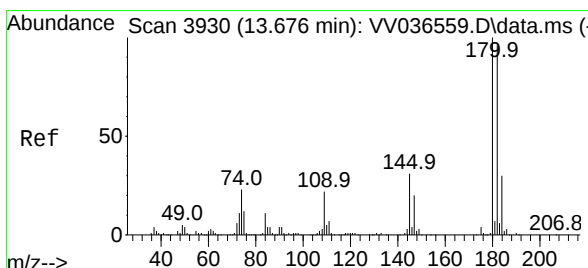
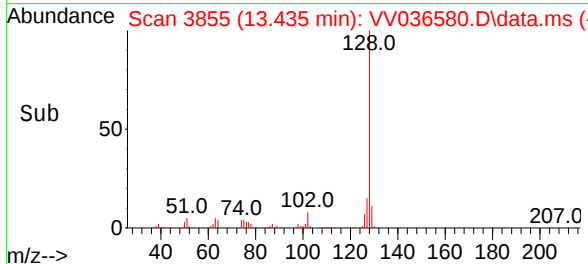
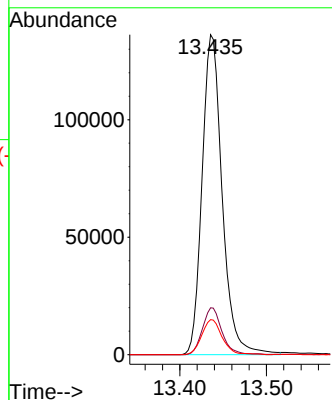
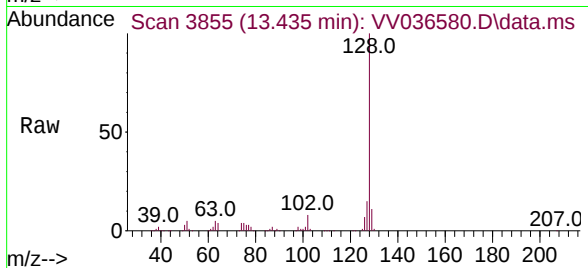
Tgt Ion:128 Resp: 219357

Ion Ratio Lower Upper

128 100

127 14.1 10.8 16.2

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 26.028 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV036580.D

Acq: 16 Jul 2024 20:17

Tgt Ion:180 Resp: 142915

Ion Ratio Lower Upper

180 100

182 94.8 76.6 114.8

145 31.2 24.4 36.6

