

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080724\
 Data File : VV036842.D
 Acq On : 07 Aug 2024 17:00
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 08 02:39:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 08 02:35:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	479183	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	447513	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	223206	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.278	65	136980	35.790	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.580%
7) Chloroethane-d5	1.532	69	118740	39.341	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.680%
11) 1,1-Dichloroethene-d2	2.060	65	61230	37.401	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.800%
21) 2-Butanone-d5	3.796	46	175982	86.784	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.780%
24) Chloroform-d	4.246	84	301035	43.830	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.660%
26) 1,2-Dichloroethane-d4	4.937	65	191378	43.338	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.680%
32) Benzene-d6	4.953	84	574185	42.480	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.960%
36) 1,2-Dichloropropane-d6	5.985	67	192548	44.156	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.320%
41) Toluene-d8	7.239	98	502441	40.523	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.040%
43) trans-1,3-Dichloroprop...	7.551	79	87690	38.640	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.280%
47) 2-Hexanone-d5	8.024	63	107971	86.115	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.110%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	229065	45.750	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.500%
66) 1,2-Dichlorobenzene-d4	11.554	152	198190	43.574	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.140%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.108	85	178912	46.826	ug/L	99
3) Chloromethane	1.217	50	196832	49.226	ug/L	99
5) Vinyl chloride	1.281	62	197590	48.119	ug/L	100
6) Bromomethane	1.487	94	120486	46.604	ug/L	99
8) Chloroethane	1.548	64	121550	47.788	ug/L	99
9) Trichlorofluoromethane	1.712	101	244625	45.481	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	135397	42.721	ug/L	99
12) 1,1-Dichloroethene	2.069	96	140121	46.291	ug/L	97
13) Acetone	2.111	43	106658	62.865	ug/L	96
14) Carbon disulfide	2.240	76	409875	43.107	ug/L	99
15) Methyl Acetate	2.371	43	145054	41.502	ug/L	98
16) Methylene chloride	2.445	84	160183	47.072	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	145253	46.327	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	497362	45.040	ug/L	99
19) 1,1-Dichloroethane	3.108	63	298760	47.163	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	174808	47.501	ug/L	98
22) 2-Butanone	3.876	43	171319	75.375	ug/L	100
23) Bromochloromethane	4.143	128	85325	47.731	ug/L	96
25) Chloroform	4.272	83	307247	47.223	ug/L	98

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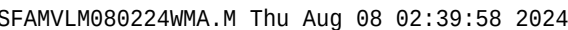
Instrument :
 MSVOA_V
 ClientSampleId :

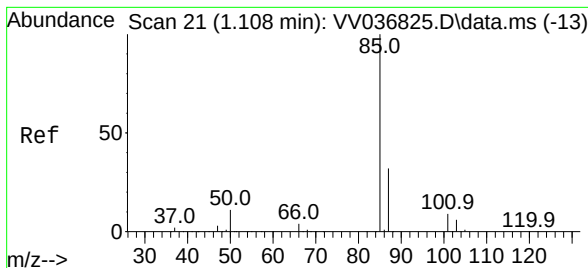
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	236161	46.016	ug/L	100
29) Cyclohexane	4.574	56	253793	44.511	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	259763	46.073	ug/L	99
31) Carbon tetrachloride	4.728	117	211839	44.739	ug/L	99
33) Benzene	5.005	78	654304	48.883	ug/L	100
34) Trichloroethene	5.828	95	175239	45.174	ug/L	96
35) Methylcyclohexane	6.043	83	247255	41.537	ug/L	98
37) 1,2-Dichloropropane	6.092	63	173074	48.811	ug/L	100
38) Bromodichloromethane	6.429	83	226206	46.327	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	276389	45.513	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	364647	83.017	ug/L	99
42) Toluene	7.310	91	674811	47.332	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	244534	43.213	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	159967	46.585	ug/L	99
46) Tetrachloroethene	7.902	164	114382	44.952	ug/L	98
48) 2-Hexanone	8.075	43	263773	81.628	ug/L	99
49) Dibromochloromethane	8.172	129	161417	45.743	ug/L	100
50) 1,2-Dibromoethane	8.278	107	164947	46.297	ug/L	99
51) Chlorobenzene	8.808	112	429404	46.941	ug/L	99
52) Ethylbenzene	8.940	91	755084	46.385	ug/L	100
53) m,p-Xylene	9.069	106	278069	45.698	ug/L	99
54) o-Xylene	9.474	106	277630	46.649	ug/L	100
55) Styrene	9.490	104	481418	47.202	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	217084	46.852	ug/L	99
59) Bromoform	9.661	173	104646	42.379	ug/L	98
60) Isopropylbenzene	9.863	105	741638	45.640	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	177586	44.197	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	615968	45.530	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	616717	45.538	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	319787	45.763	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	324299	45.638	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	315874	46.284	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	43901	37.809	ug/L	97
69) 1,3,5-Trichlorobenzene	12.577	180	214462	43.247	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	206622	43.443	ug/L	99
71) Naphthalene	13.432	128	617491	40.487	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	204548	43.936	ug/L	99

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

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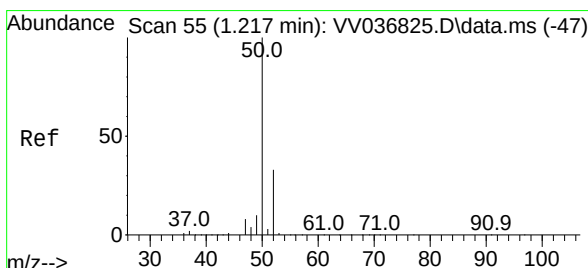
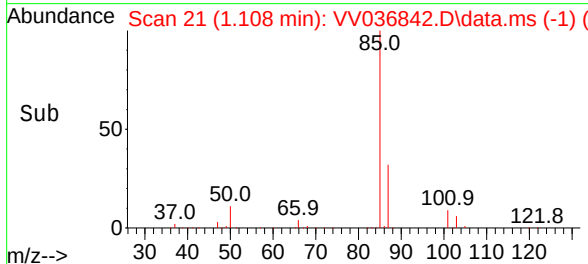
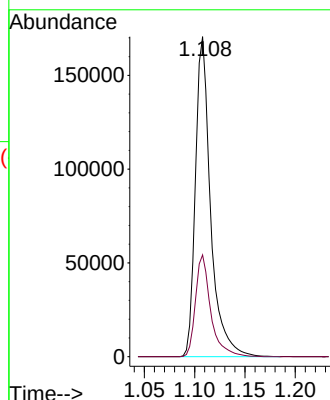
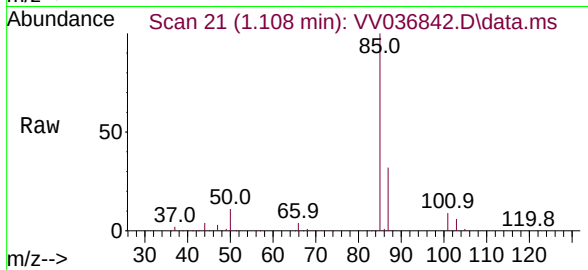




#2
 Dichlorodifluoromethane
 Concen: 46.826 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV036842.D
 Acq: 07 Aug 2024 17:00

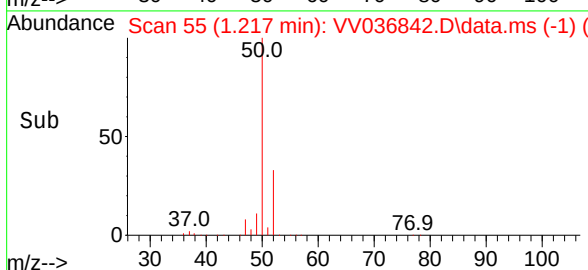
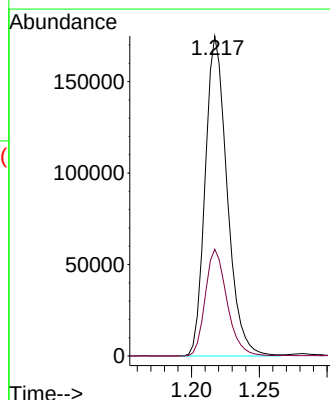
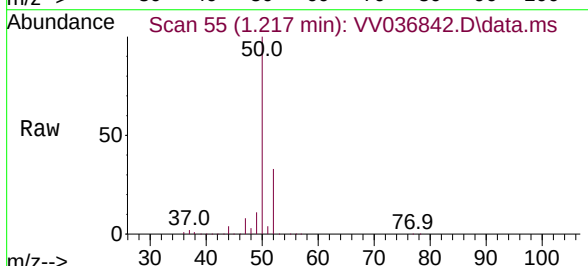
Instrument :
 MSVOA_V
 ClientSampleId :

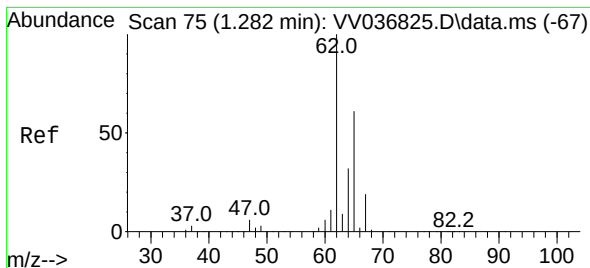
Tgt Ion: 85 Resp: 178912
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.9 38.9



#3
 Chloromethane
 Concen: 49.226 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV036842.D
 Acq: 07 Aug 2024 17:00

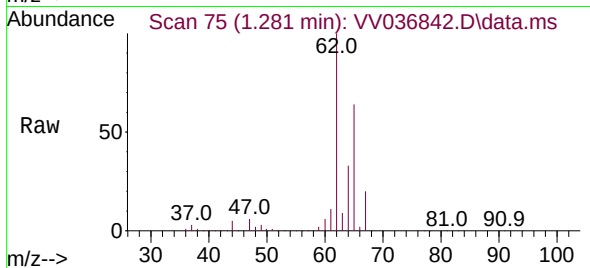
Tgt Ion: 50 Resp: 196832
 Ion Ratio Lower Upper
 50 100
 52 33.4 23.0 42.8



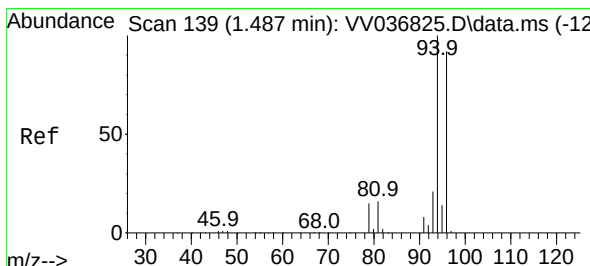
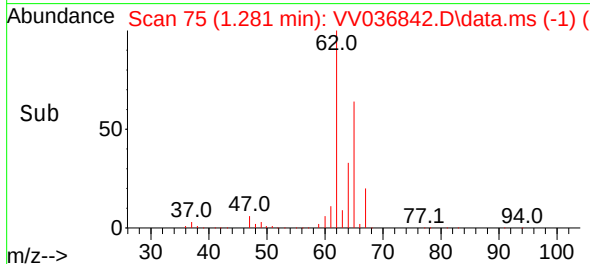
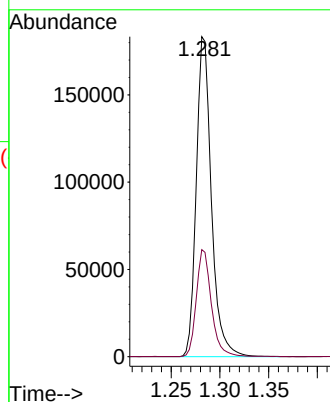


#5
 Vinyl chloride
 Concen: 48.119 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV036842.D
 Acq: 07 Aug 2024 17:00

Instrument :
 MSVOA_V
 ClientSampleId :

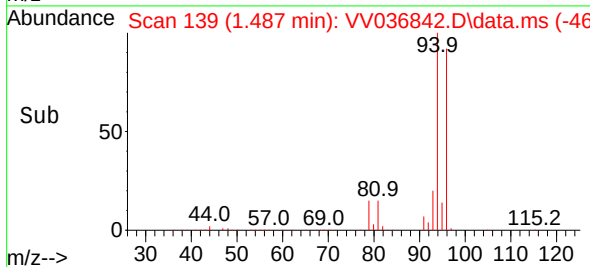
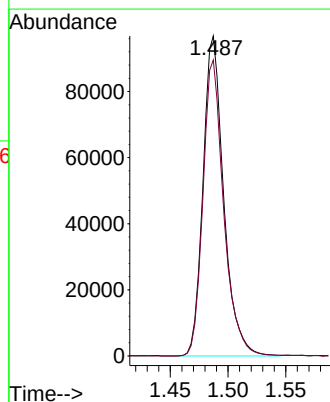
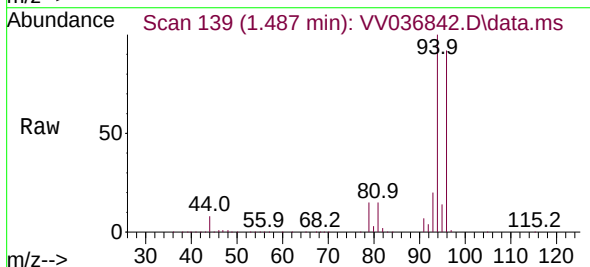


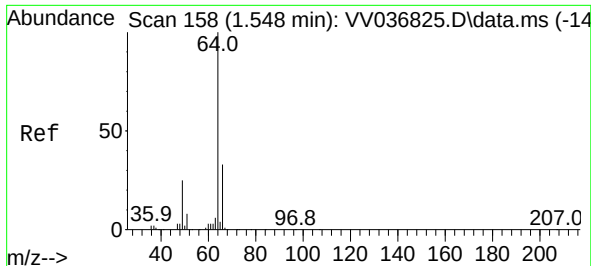
Tgt Ion: 62 Resp: 197590
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.6 43.8



#6
 Bromomethane
 Concen: 46.604 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV036842.D
 Acq: 07 Aug 2024 17:00

Tgt Ion: 94 Resp: 120486
 Ion Ratio Lower Upper
 94 100
 96 92.5 65.5 121.7

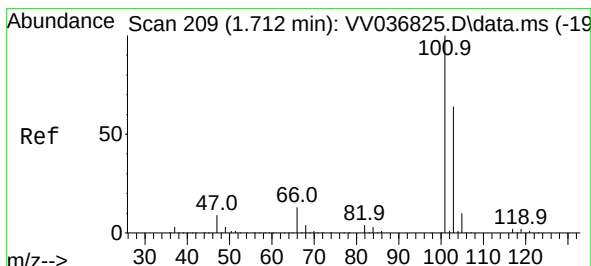
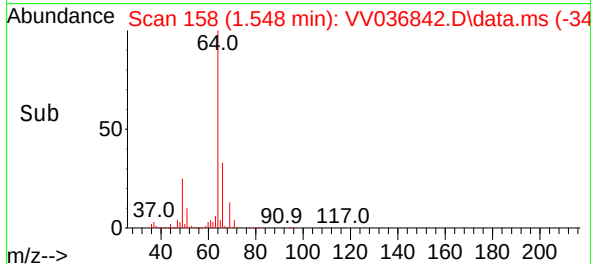
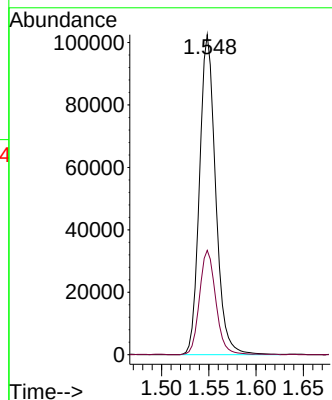
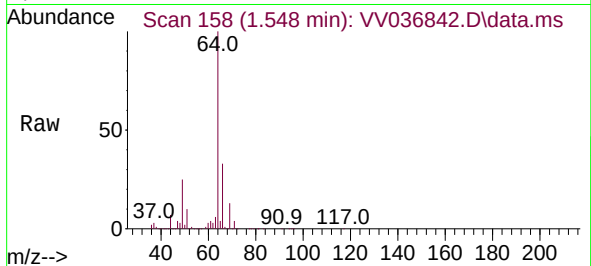




#8
Chloroethane
Concen: 47.788 ug/L
RT: 1.548 min Scan# 158
Delta R.T. -0.000 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

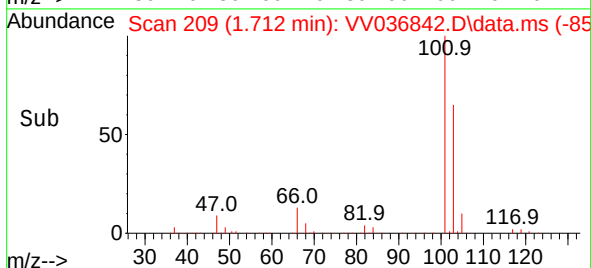
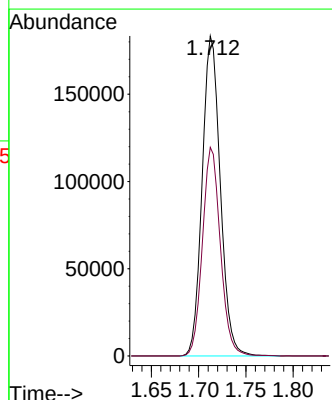
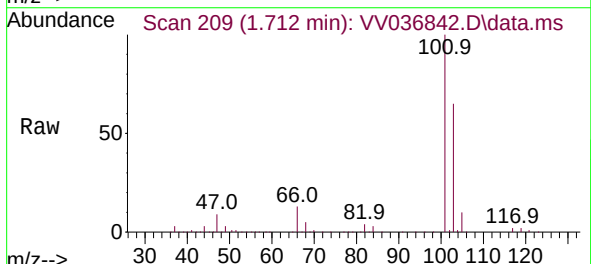
Instrument :
MSVOA_V
ClientSampleId :

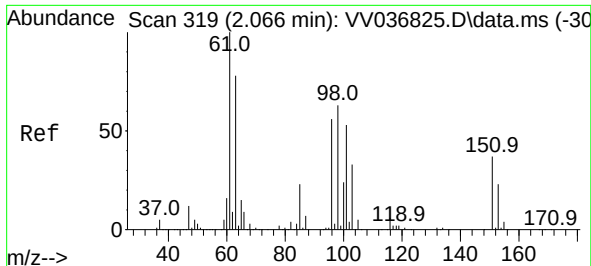
Tgt Ion: 64 Resp: 121550
Ion Ratio Lower Upper
64 100
66 32.6 23.2 43.0



#9
Trichlorofluoromethane
Concen: 45.481 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

Tgt Ion:101 Resp: 244625
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 42.721 ug/L

RT: 2.069 min Scan# 319

Delta R.T. 0.003 min

Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

Instrument :

MSVOA_V

ClientSampleId :

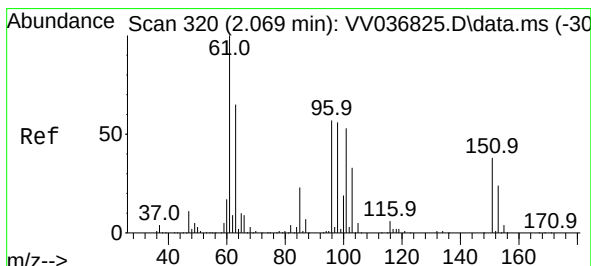
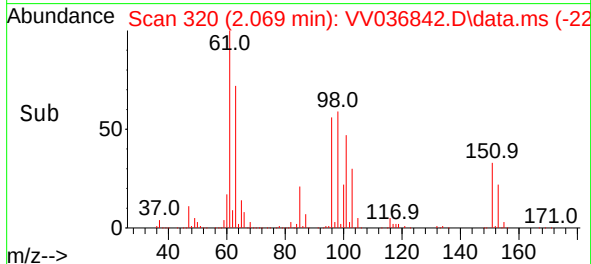
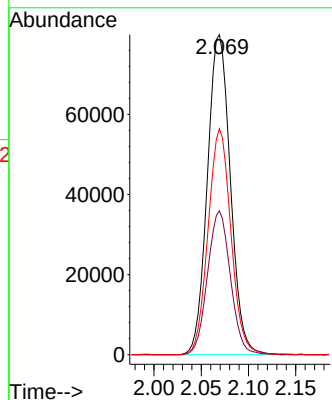
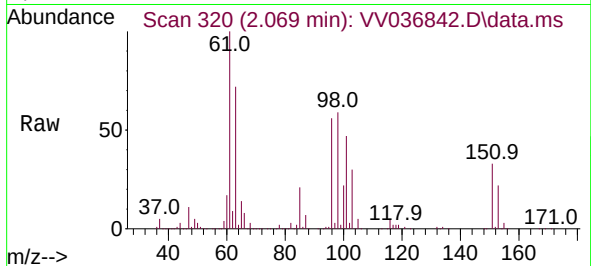
Tgt Ion:101 Resp: 135397

Ion Ratio Lower Upper

101 100

85 44.6 34.6 51.8

151 70.1 55.9 83.9



#12

1,1-Dichloroethene

Concen: 46.291 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

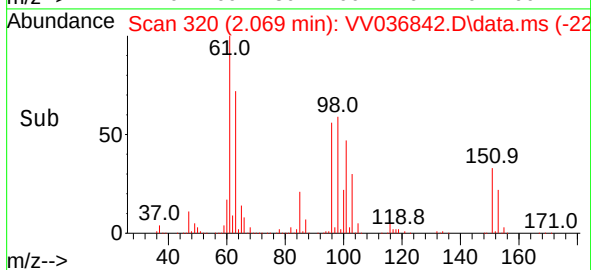
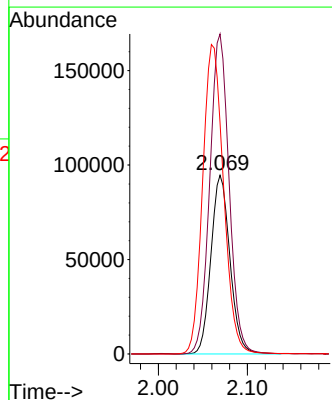
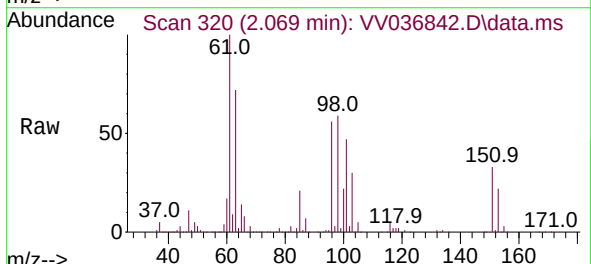
Tgt Ion: 96 Resp: 140121

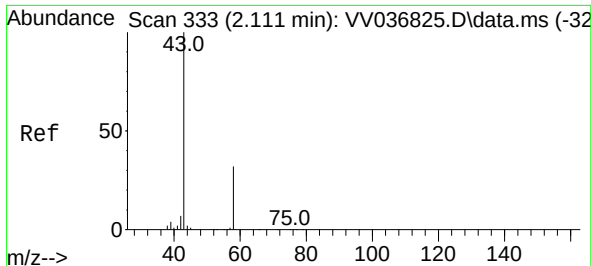
Ion Ratio Lower Upper

96 100

61 179.0 125.6 233.2

63 129.3 95.1 176.7





#13

Acetone

Concen: 62.865 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.000 min

Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

Instrument :

MSVOA_V

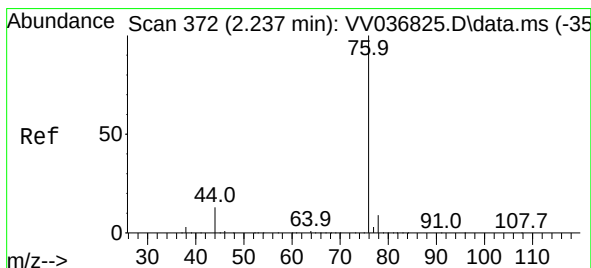
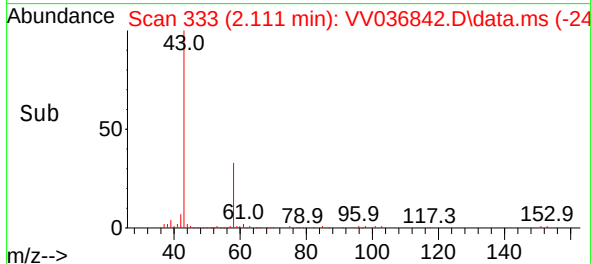
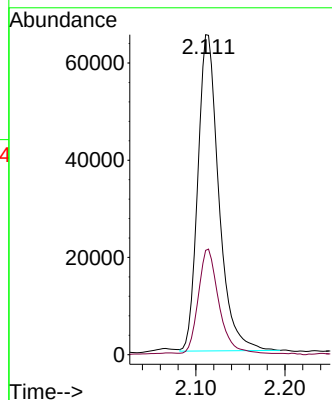
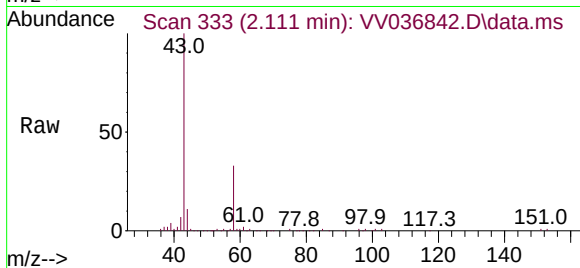
ClientSampleId :

Tgt Ion: 43 Resp: 106658

Ion Ratio Lower Upper

43 100

58 33.7 0.0 63.4



#14

Carbon disulfide

Concen: 43.107 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.003 min

Lab File: VV036842.D

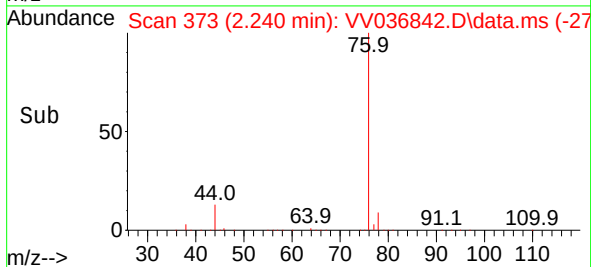
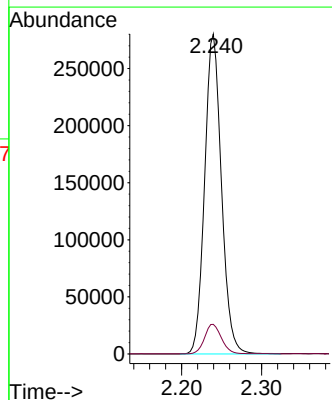
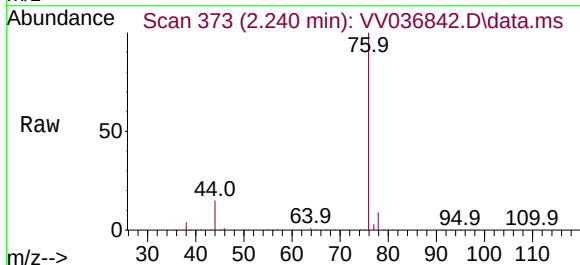
Acq: 07 Aug 2024 17:00

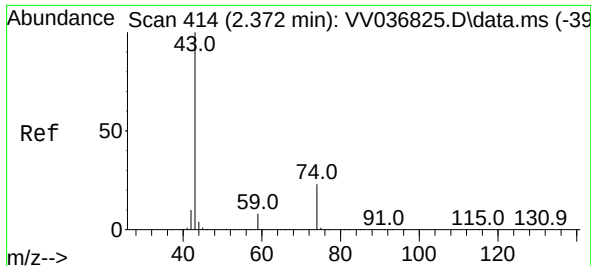
Tgt Ion: 76 Resp: 409875

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7





#15

Methyl Acetate

Concen: 41.502 ug/L

RT: 2.371 min Scan# 414

Delta R.T. -0.000 min

Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

Instrument :

MSVOA_V

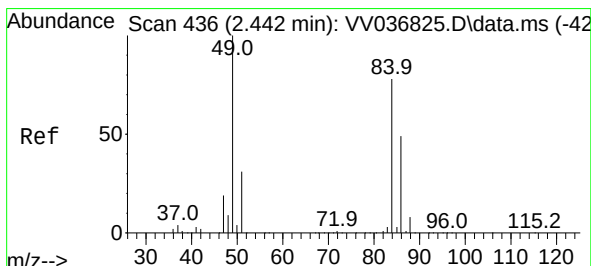
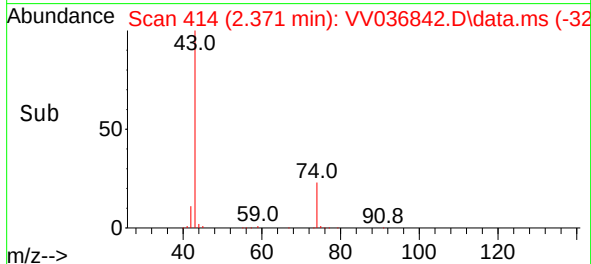
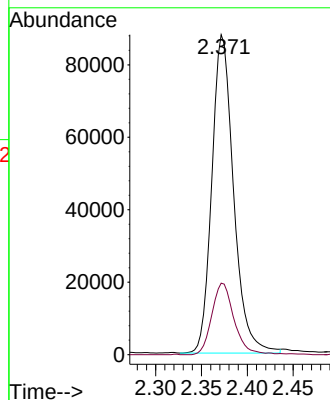
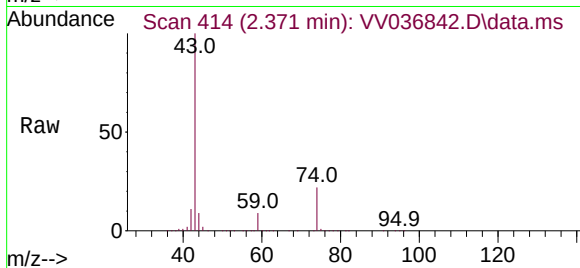
ClientSampleId :

Tgt Ion: 43 Resp: 145054

Ion Ratio Lower Upper

43 100

74 22.7 19.0 28.4



#16

Methylene chloride

Concen: 47.072 ug/L

RT: 2.445 min Scan# 437

Delta R.T. 0.003 min

Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

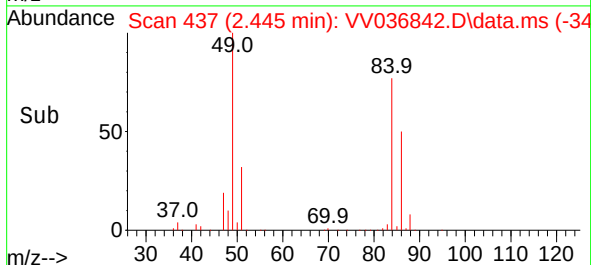
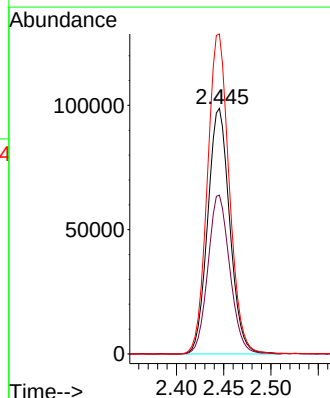
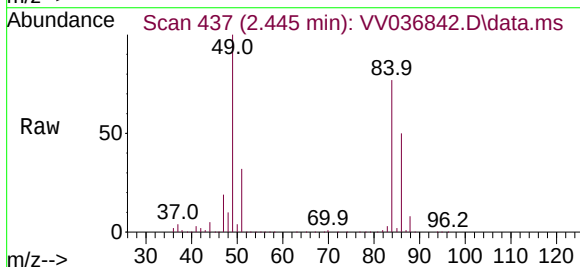
Tgt Ion: 84 Resp: 160183

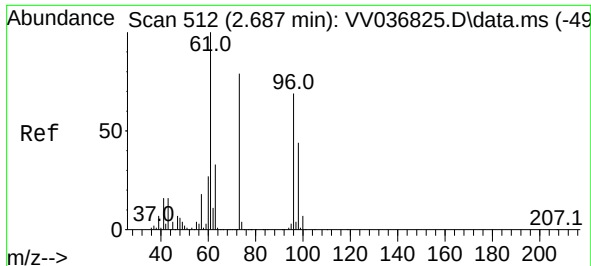
Ion Ratio Lower Upper

84 100

86 64.7 44.3 82.3

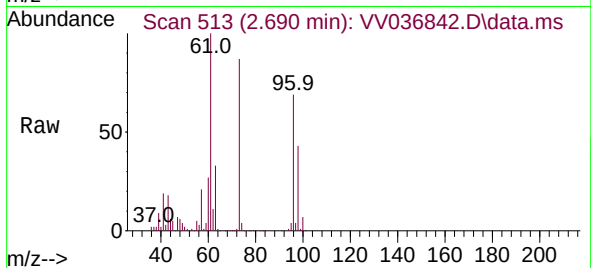
49 130.3 91.1 169.1



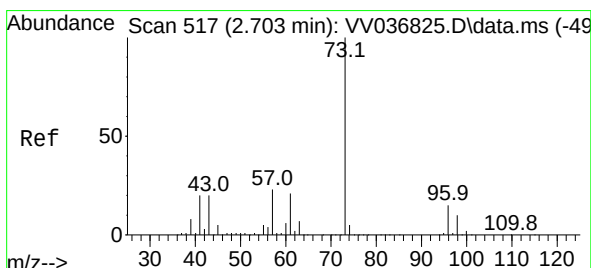
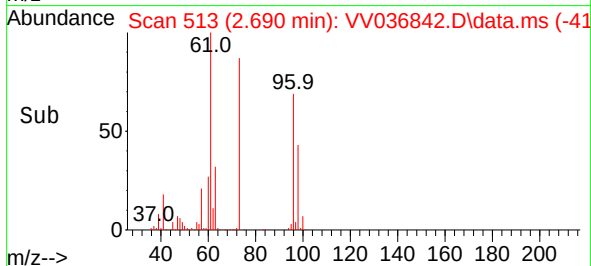
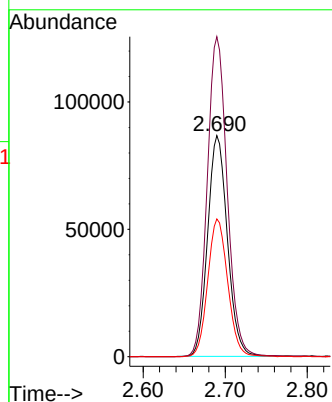


#17
trans-1,2-Dichloroethene
Concen: 46.327 ug/L
RT: 2.690 min Scan# 512
Delta R.T. 0.003 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

Instrument :
MSVOA_V
ClientSampleId :

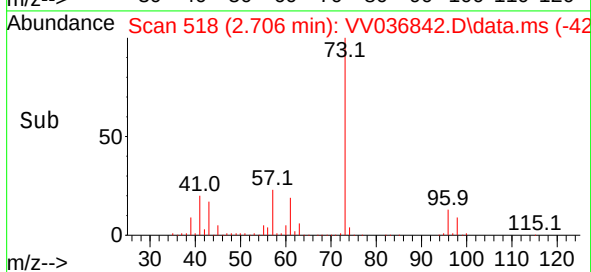
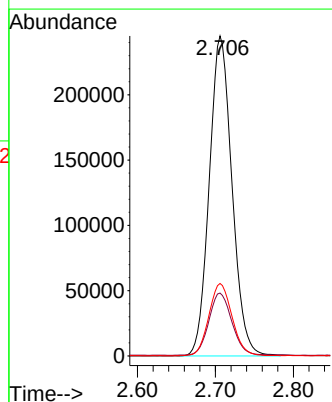
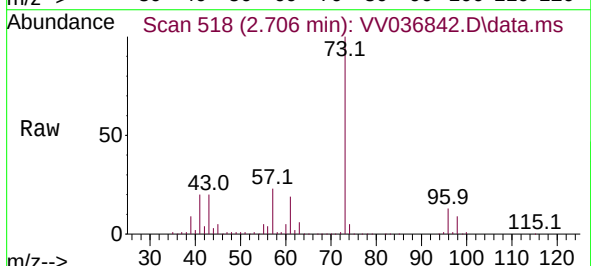


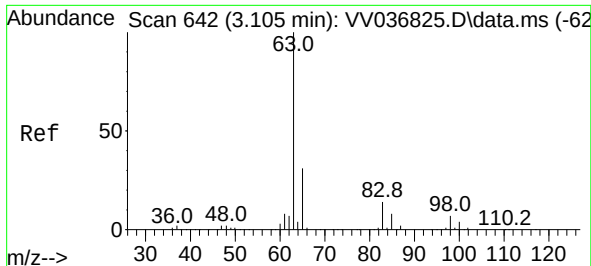
Tgt Ion: 96 Resp: 145253
Ion Ratio Lower Upper
96 100
61 144.7 100.0 185.8
98 62.3 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 45.040 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

Tgt Ion: 73 Resp: 497362
Ion Ratio Lower Upper
73 100
43 19.8 16.1 24.1
57 22.9 17.9 26.9

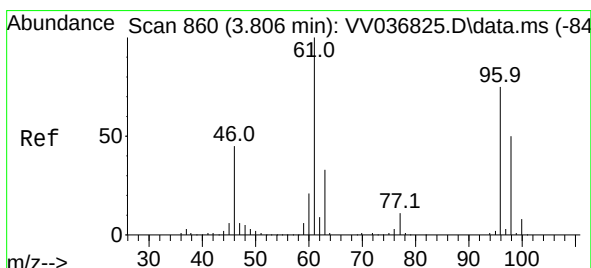
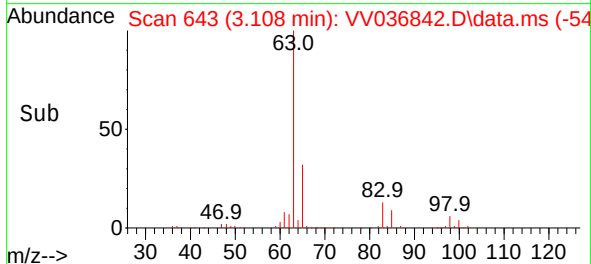
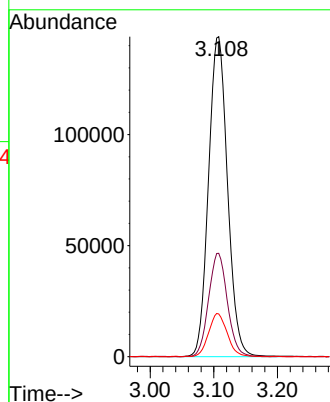
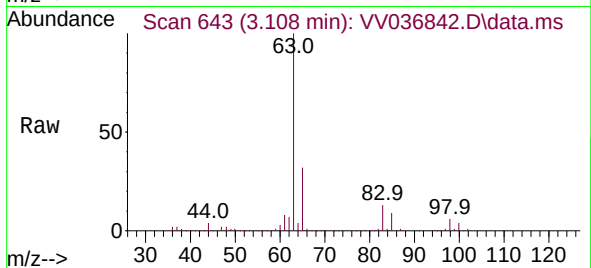




#19
1,1-Dichloroethane
Concen: 47.163 ug/L
RT: 3.108 min Scan# 64
Delta R.T. 0.003 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

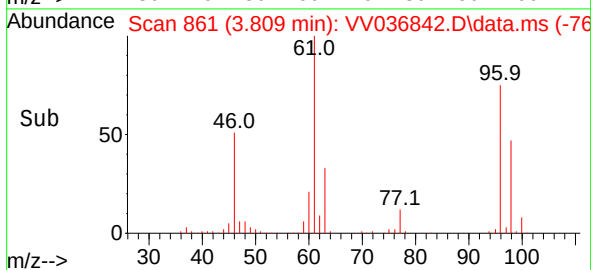
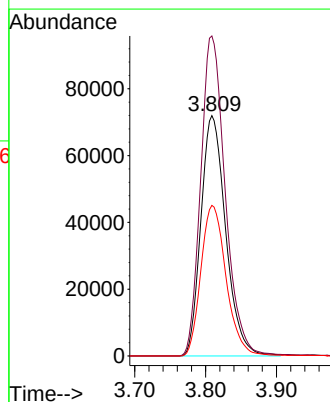
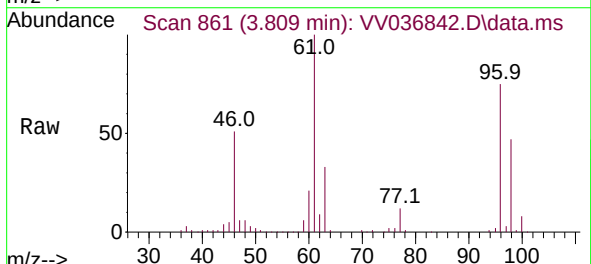
Instrument :
MSVOA_V
ClientSampleId :

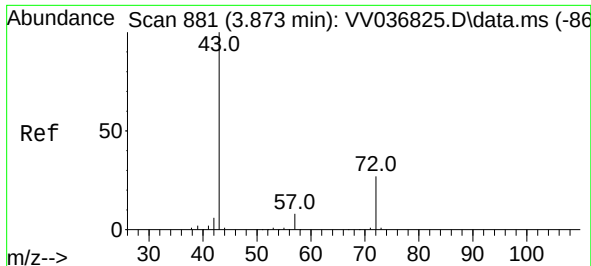
Tgt Ion: 63 Resp: 298760
Ion Ratio Lower Upper
63 100
65 32.3 23.2 43.0
83 13.3 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 47.501 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.003 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

Tgt Ion: 96 Resp: 174808
Ion Ratio Lower Upper
96 100
61 133.2 93.9 174.5
98 62.6 46.0 85.4

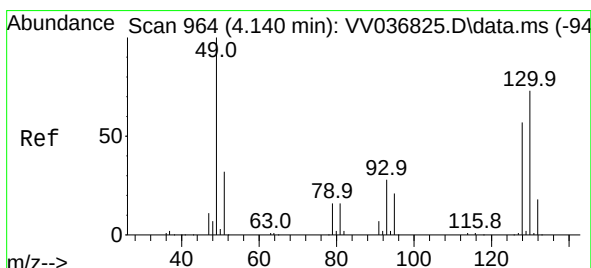
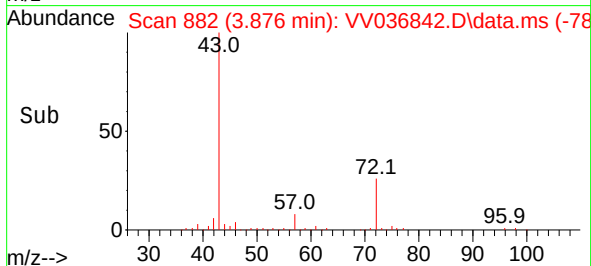
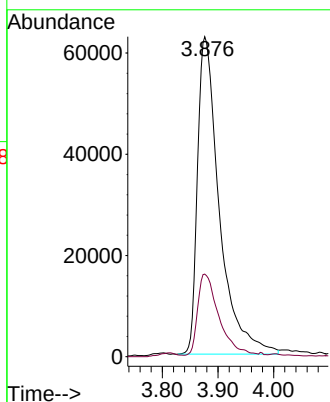
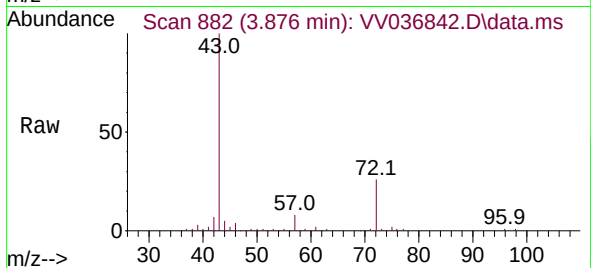




#22
2-Butanone
Concen: 75.375 ug/L
RT: 3.876 min Scan# 881
Delta R.T. 0.003 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

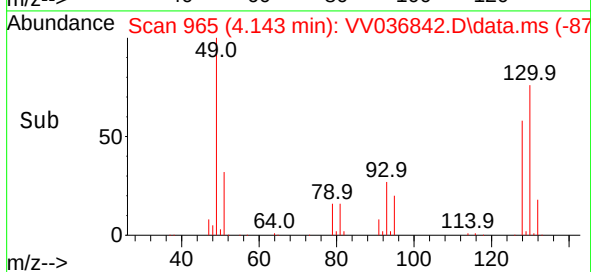
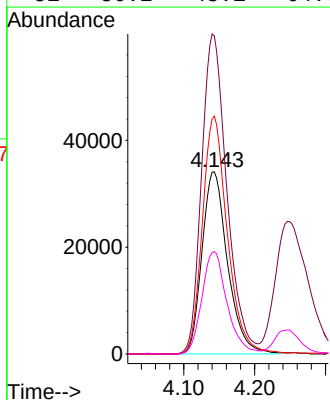
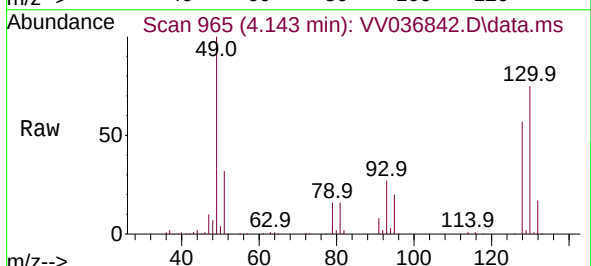
Instrument :
MSVOA_V
ClientSampleId :

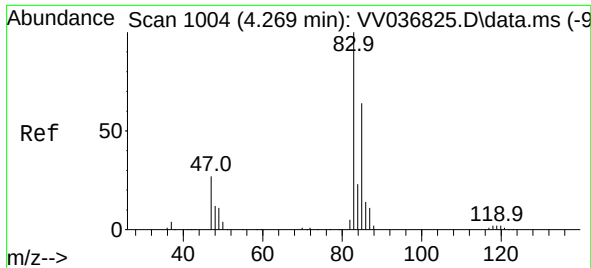
Tgt Ion: 43 Resp: 171319
Ion Ratio Lower Upper
43 100
72 25.2 12.5 37.5



#23
Bromochloromethane
Concen: 47.731 ug/L
RT: 4.143 min Scan# 965
Delta R.T. 0.003 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

Tgt Ion: 128 Resp: 85325
Ion Ratio Lower Upper
128 100
49 174.6 120.0 223.0
130 130.7 87.0 161.6
51 56.2 43.1 64.7

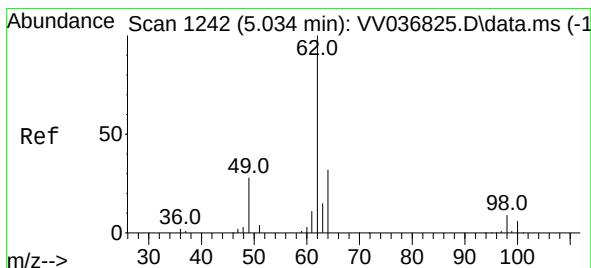
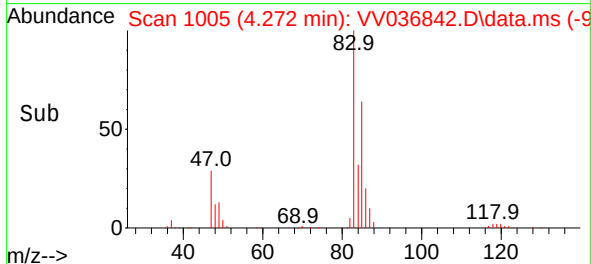
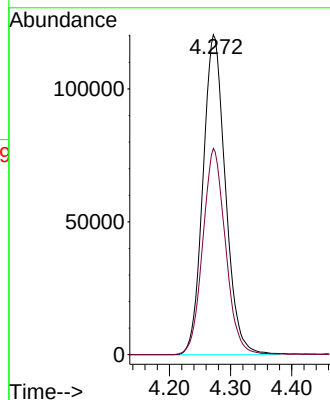
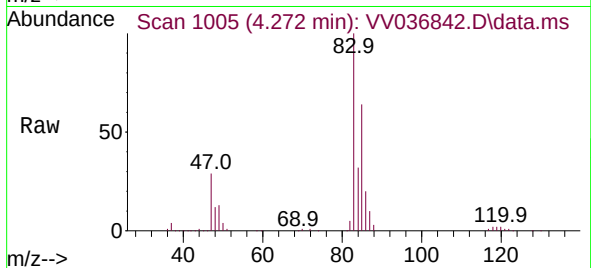




#25
Chloroform
Concen: 47.223 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. 0.003 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

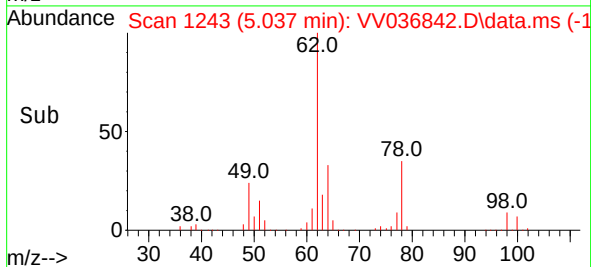
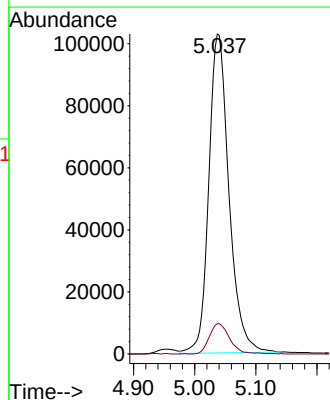
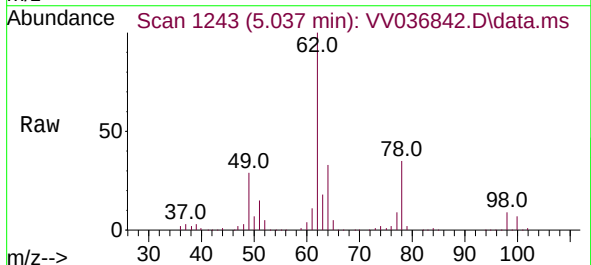
Instrument :
MSVOA_V
ClientSampleId :

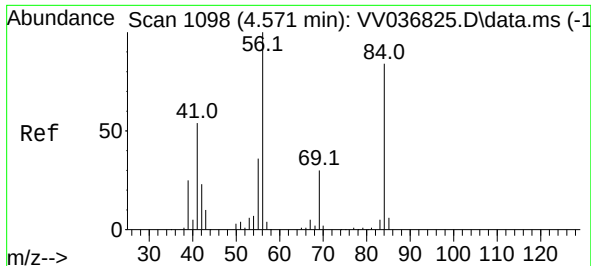
Tgt Ion: 83 Resp: 307247
Ion Ratio Lower Upper
83 100
85 64.5 46.0 85.4



#27
1,2-Dichloroethane
Concen: 46.016 ug/L
RT: 5.037 min Scan# 1243
Delta R.T. 0.003 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

Tgt Ion: 62 Resp: 236161
Ion Ratio Lower Upper
62 100
98 9.5 7.5 11.3





#29

Cyclohexane

Concen: 44.511 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.003 min

Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

Instrument :

MSVOA_V

ClientSampleId :

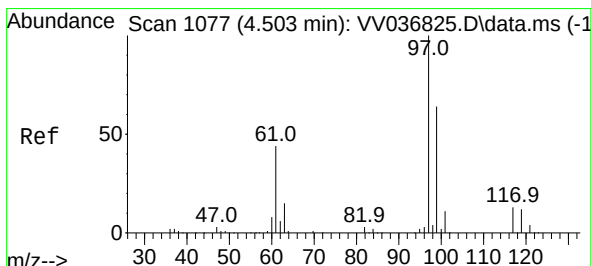
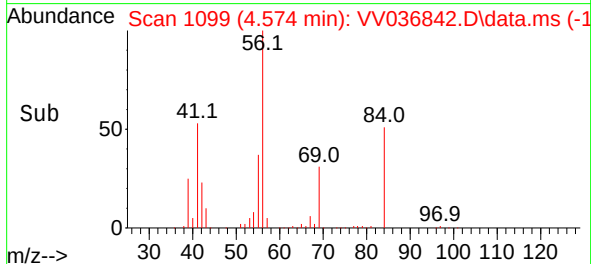
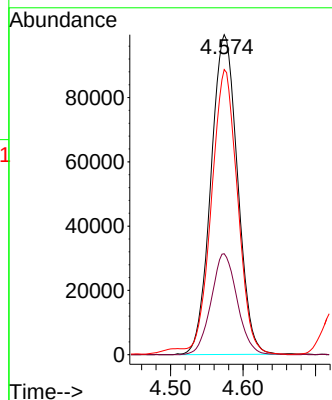
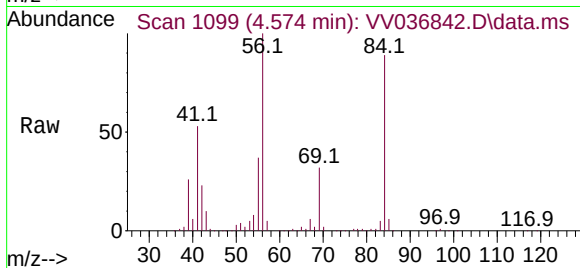
Tgt Ion: 56 Resp: 253793

Ion Ratio Lower Upper

56 100

69 30.9 24.7 37.1

84 87.0 68.5 102.7



#30

1,1,1-Trichloroethane

Concen: 46.073 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

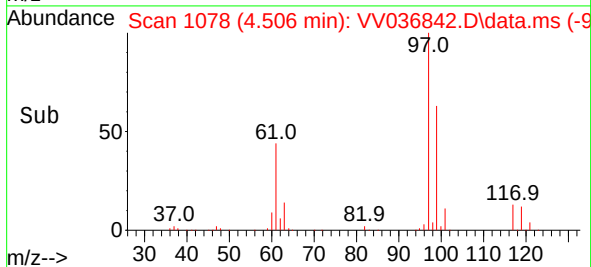
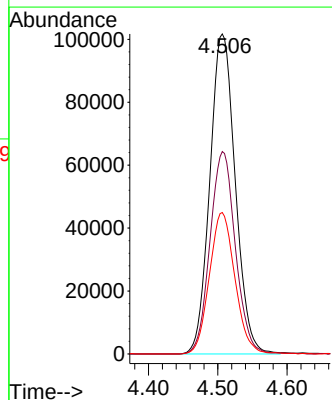
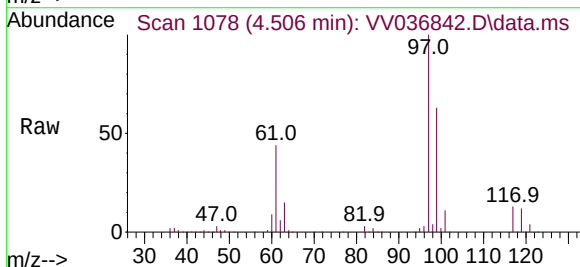
Tgt Ion: 97 Resp: 259763

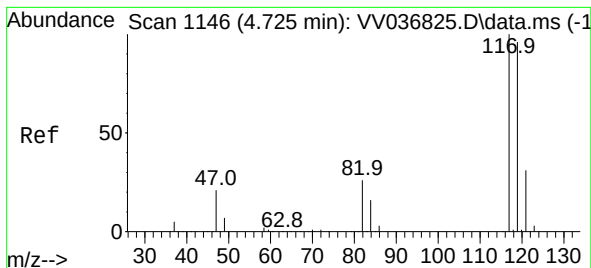
Ion Ratio Lower Upper

97 100

99 63.0 51.5 77.3

61 44.3 36.0 54.0





#31

Carbon tetrachloride

Concen: 44.739 ug/L

RT: 4.728 min Scan# 1146

Delta R.T. 0.003 min

Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

Instrument :

MSVOA_V

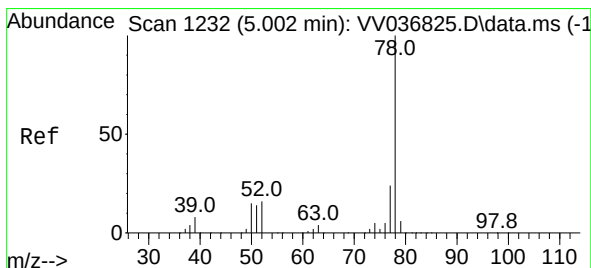
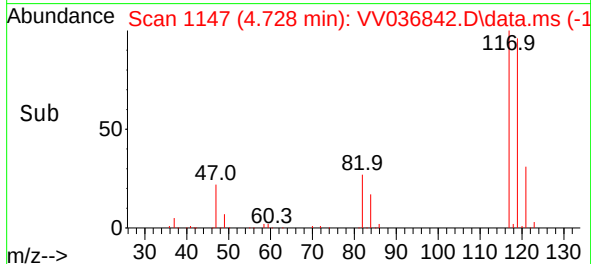
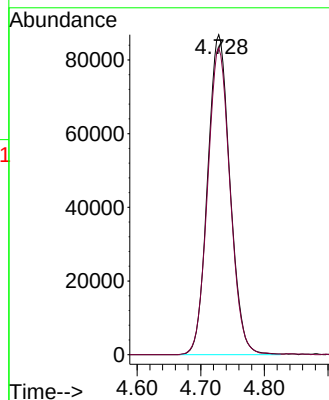
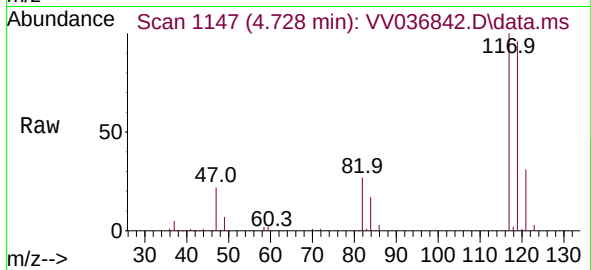
ClientSampleId :

Tgt Ion:117 Resp: 211839

Ion Ratio Lower Upper

117 100

119 96.2 76.1 114.1



#33

Benzene

Concen: 48.883 ug/L

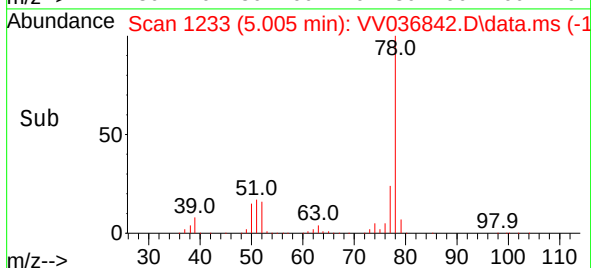
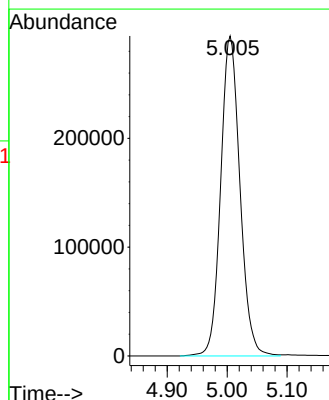
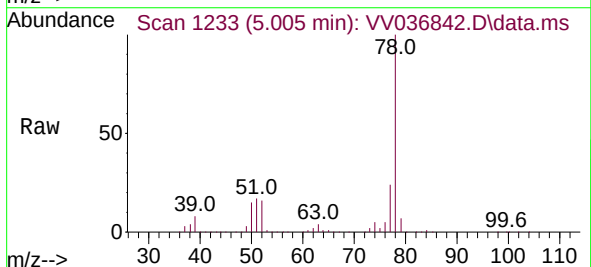
RT: 5.005 min Scan# 1233

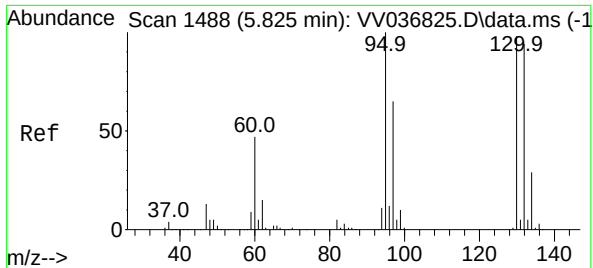
Delta R.T. 0.003 min

Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

Tgt Ion: 78 Resp: 654304

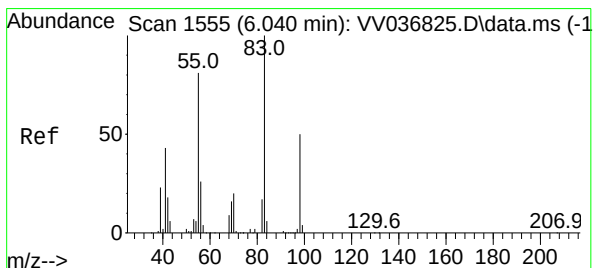
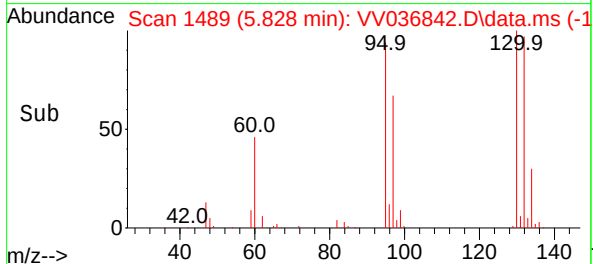
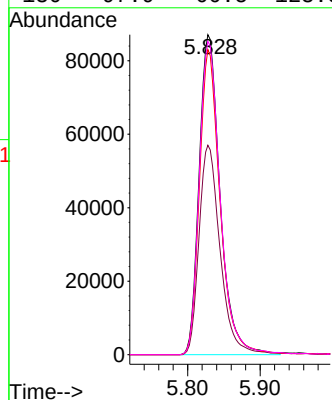
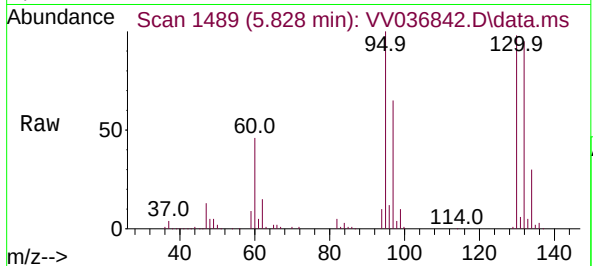




#34
Trichloroethene
Concen: 45.174 ug/L
RT: 5.828 min Scan# 1488
Delta R.T. 0.003 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

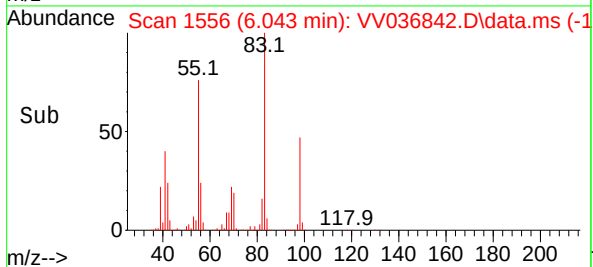
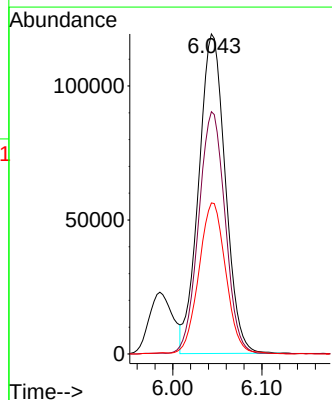
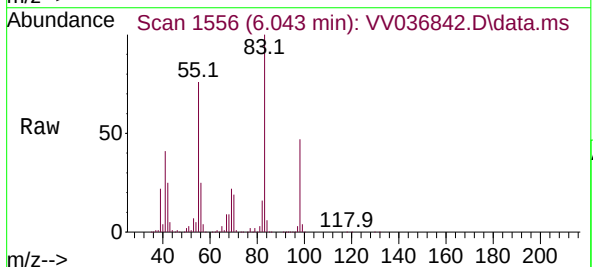
Instrument :
MSVOA_V
ClientSampleId :

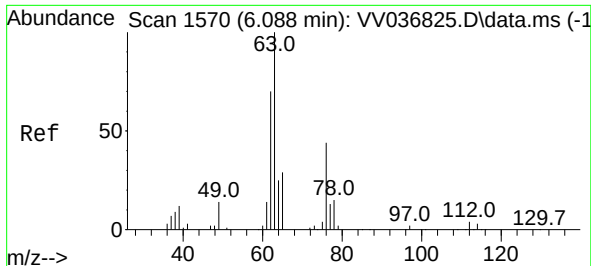
Tgt Ion: 95 Resp: 175239
Ion Ratio Lower Upper
95 100
97 65.5 44.7 82.9
132 95.4 62.9 116.9
130 97.9 66.5 123.5



#35
Methylcyclohexane
Concen: 41.537 ug/L
RT: 6.043 min Scan# 1556
Delta R.T. 0.003 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

Tgt Ion: 83 Resp: 247255
Ion Ratio Lower Upper
83 100
55 75.4 62.3 93.5
98 47.9 38.7 58.1





#37

1,2-Dichloropropane

Concen: 48.811 ug/L

RT: 6.092 min Scan# 1570

Delta R.T. 0.003 min

Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

Instrument :

MSVOA_V

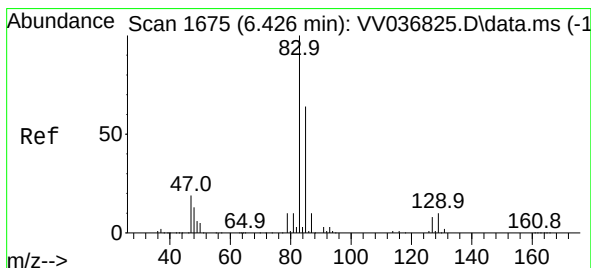
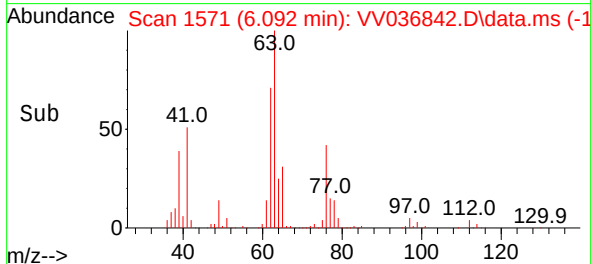
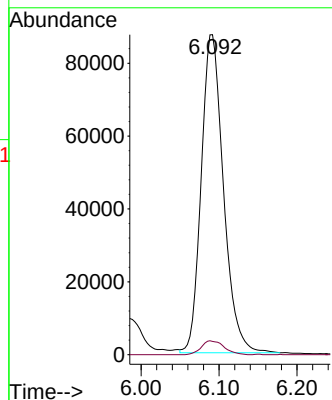
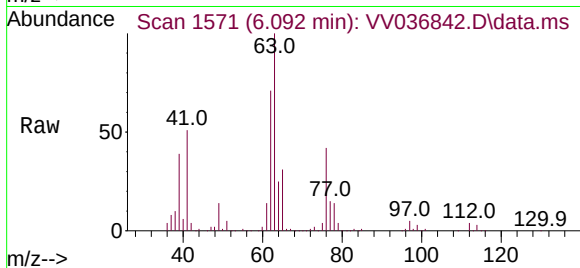
ClientSampleId :

Tgt Ion: 63 Resp: 173074

Ion Ratio Lower Upper

63 100

112 4.5 3.6 5.4



#38

Bromodichloromethane

Concen: 46.327 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.003 min

Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

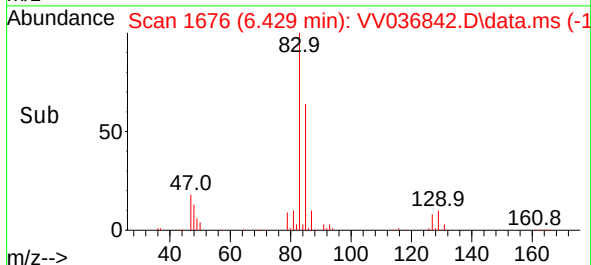
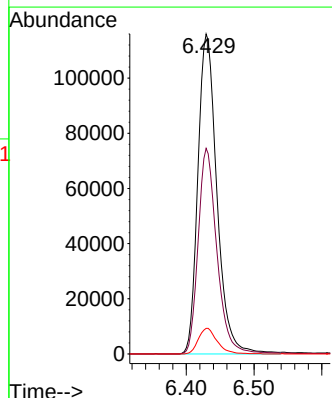
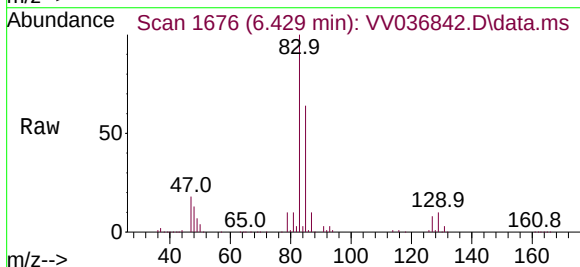
Tgt Ion: 83 Resp: 226206

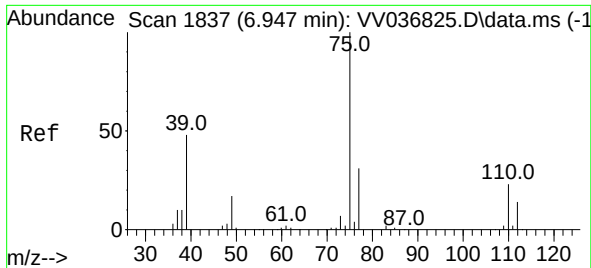
Ion Ratio Lower Upper

83 100

85 64.3 44.7 83.1

127 8.0 6.2 9.4

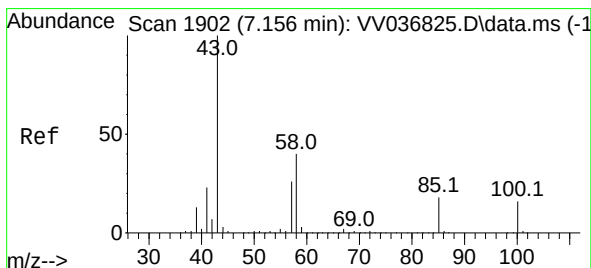
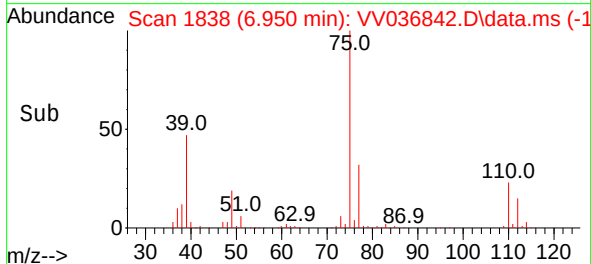
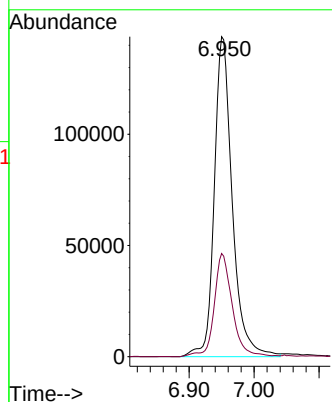
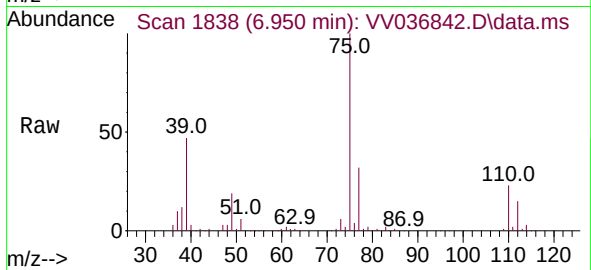




#39
 cis-1,3-Dichloropropene
 Concen: 45.513 ug/L
 RT: 6.950 min Scan# 1838
 Delta R.T. 0.003 min
 Lab File: VV036842.D
 Acq: 07 Aug 2024 17:00

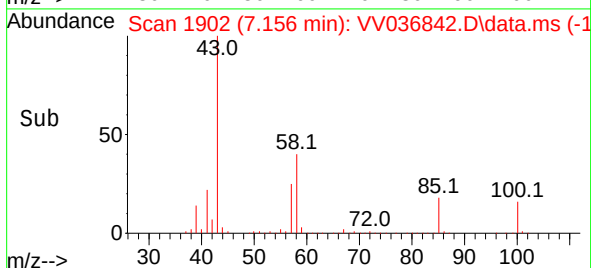
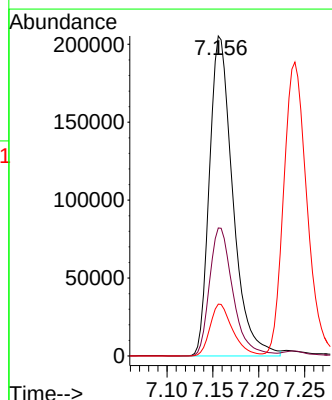
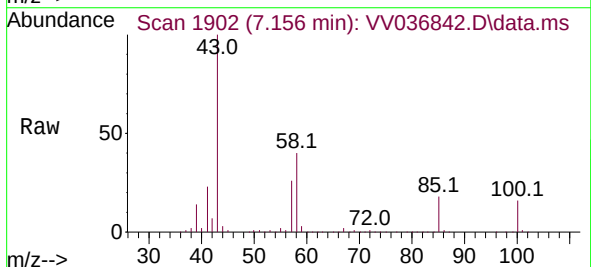
Instrument :
 MSVOA_V
 ClientSampleId :

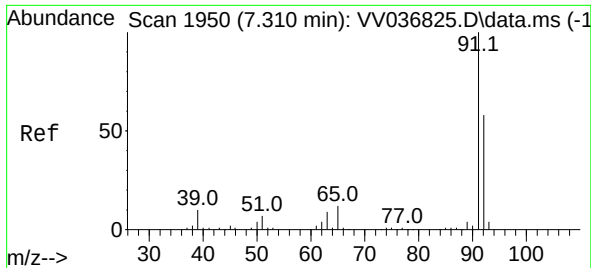
Tgt Ion: 75 Resp: 276389
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 83.017 ug/L
 RT: 7.156 min Scan# 1902
 Delta R.T. -0.000 min
 Lab File: VV036842.D
 Acq: 07 Aug 2024 17:00

Tgt Ion: 43 Resp: 364647
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.3 46.9
 100 15.7 12.6 18.8

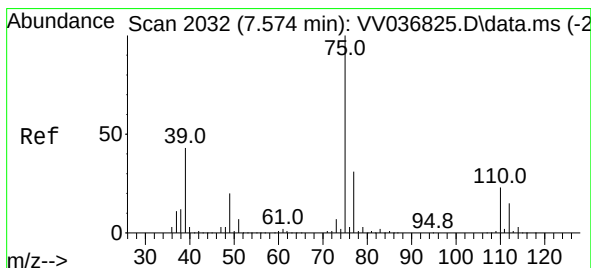
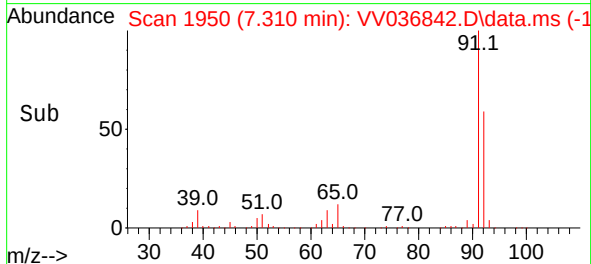
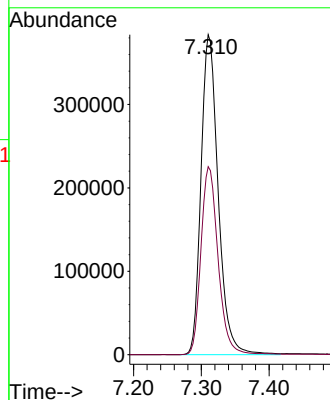
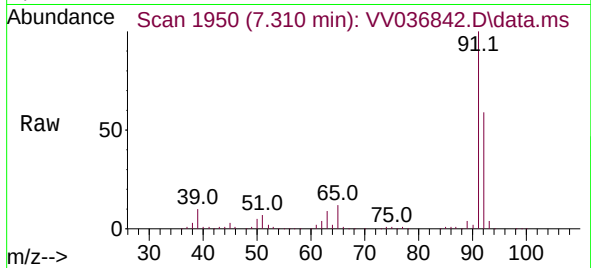




#42
Toluene
Concen: 47.332 ug/L
RT: 7.310 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

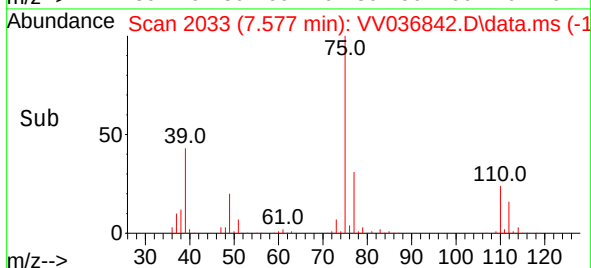
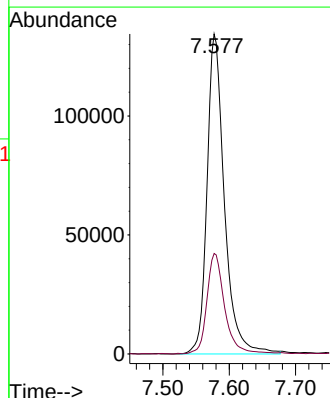
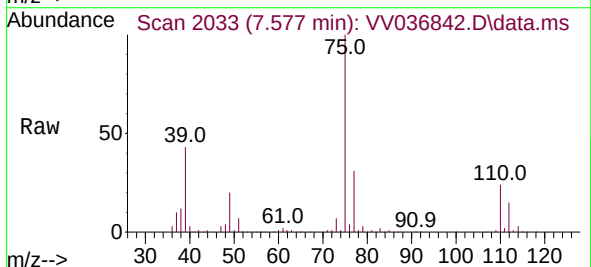
Instrument :
MSVOA_V
ClientSampleId :

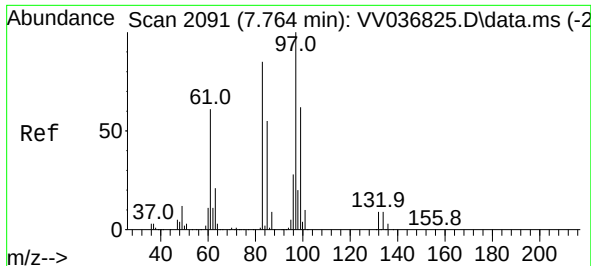
Tgt Ion: 91 Resp: 674811
Ion Ratio Lower Upper
91 100
92 58.8 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 43.213 ug/L
RT: 7.577 min Scan# 2033
Delta R.T. 0.003 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

Tgt Ion: 75 Resp: 244534
Ion Ratio Lower Upper
75 100
77 31.4 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 46.585 ug/L

RT: 7.767 min Scan# 2091

Delta R.T. 0.003 min

Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 159967

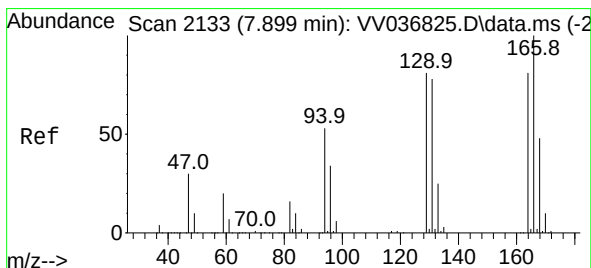
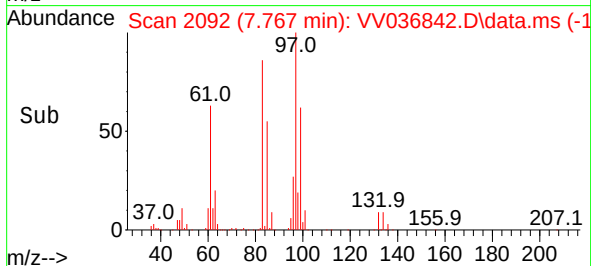
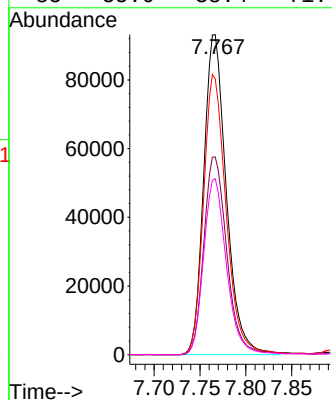
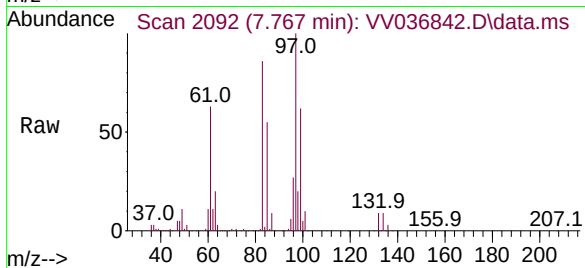
Ion Ratio Lower Upper

97 100

99 61.8 44.0 81.6

83 86.2 60.1 111.5

85 55.0 38.4 71.4



#46

Tetrachloroethene

Concen: 44.952 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.003 min

Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

Tgt Ion:164 Resp: 114382

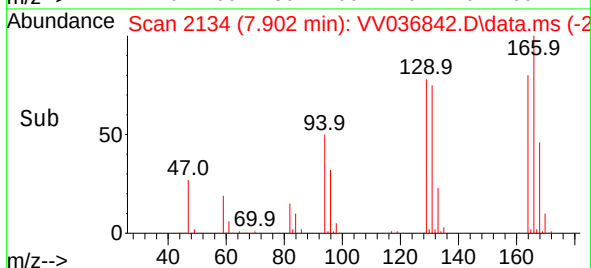
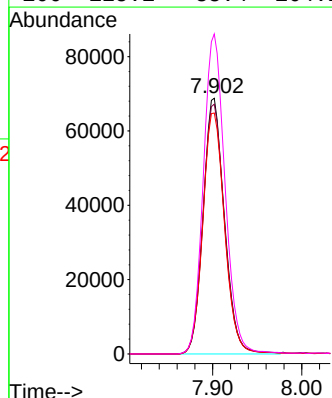
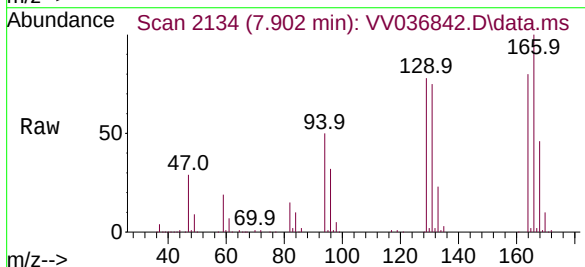
Ion Ratio Lower Upper

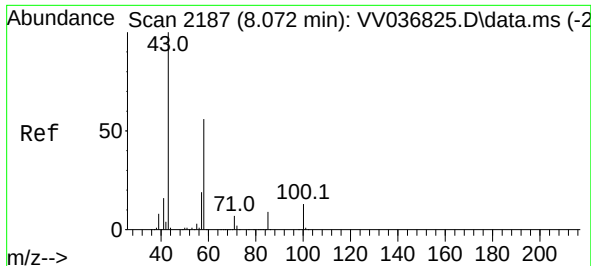
164 100

129 97.7 70.4 130.8

131 94.2 67.7 125.7

166 125.1 88.4 164.2

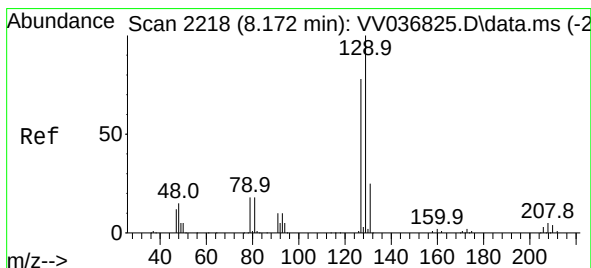
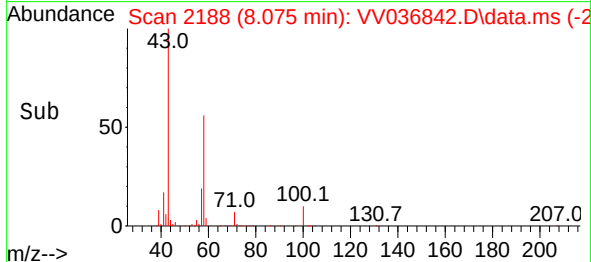
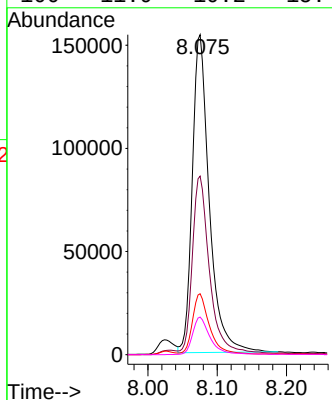
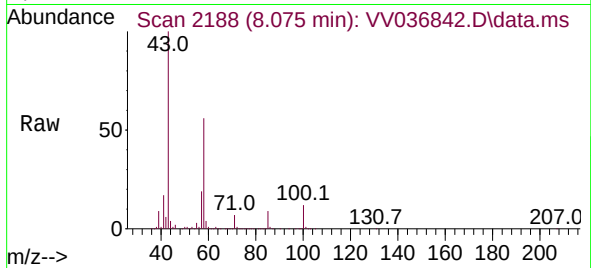




#48
2-Hexanone
Concen: 81.628 ug/L
RT: 8.075 min Scan# 2187
Delta R.T. 0.003 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

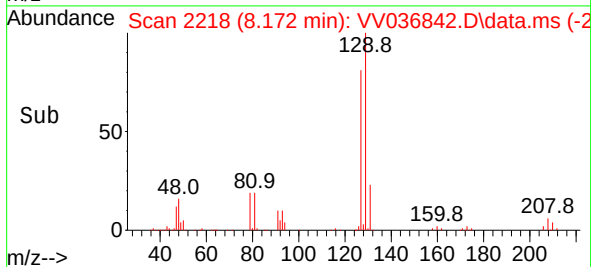
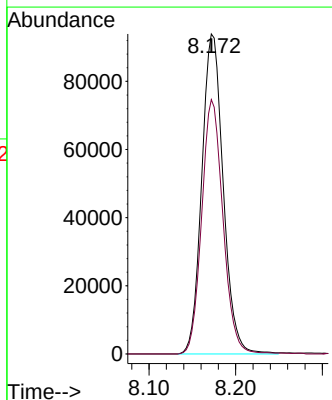
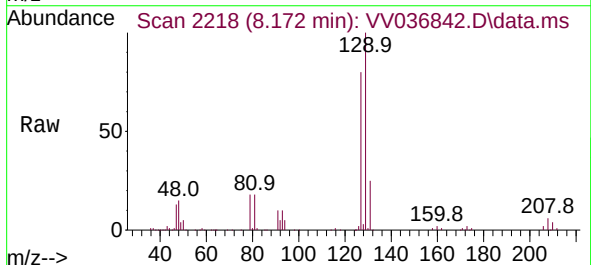
Instrument :
MSVOA_V
ClientSampleId :

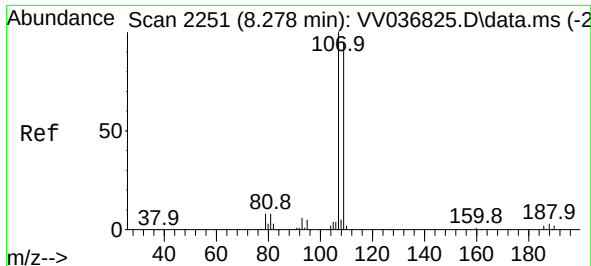
Tgt Ion: 43 Resp: 263773
Ion Ratio Lower Upper
43 100
58 56.3 44.7 67.1
57 18.9 15.0 22.4
100 11.9 10.2 15.4



#49
Dibromochloromethane
Concen: 45.743 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. -0.000 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

Tgt Ion: 129 Resp: 161417
Ion Ratio Lower Upper
129 100
127 79.5 55.4 102.8

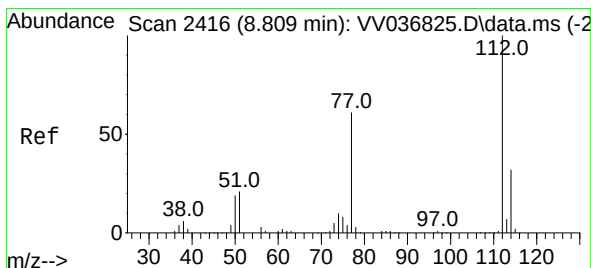
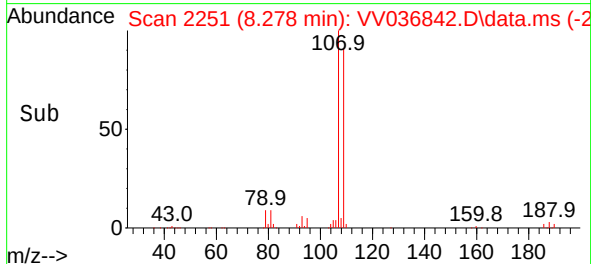
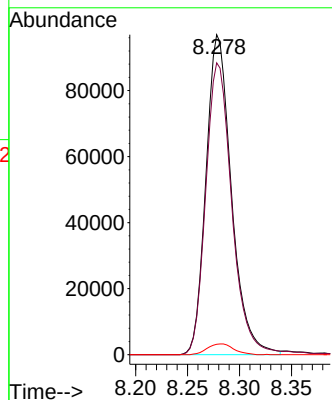
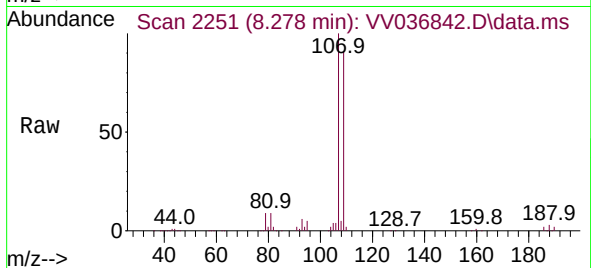




#50
1,2-Dibromoethane
Concen: 46.297 ug/L
RT: 8.278 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

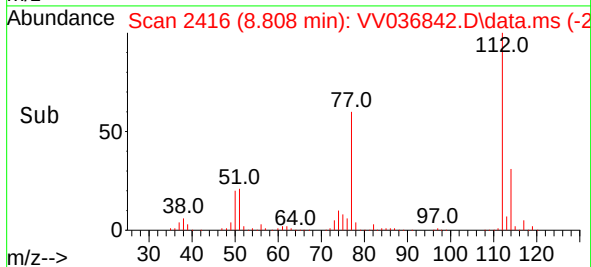
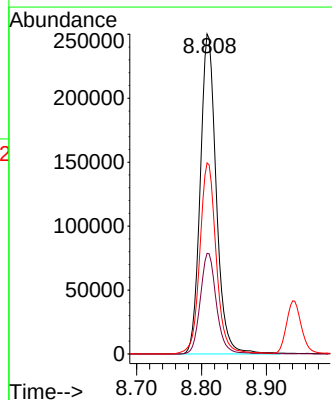
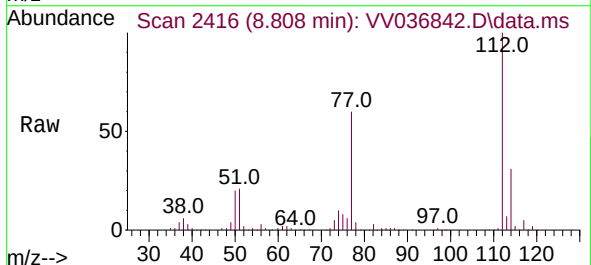
Instrument :
MSVOA_V
ClientSampleId :

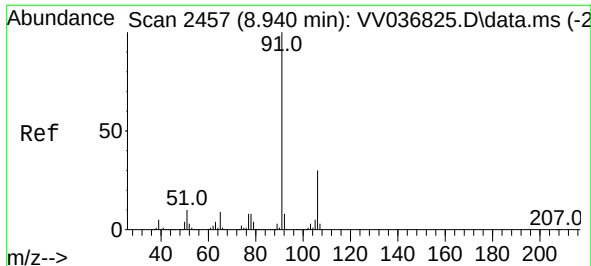
Tgt Ion:107 Resp: 164947
Ion Ratio Lower Upper
107 100
109 91.2 64.7 120.1
188 3.2 2.6 3.8



#51
Chlorobenzene
Concen: 46.941 ug/L
RT: 8.808 min Scan# 2416
Delta R.T. -0.000 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

Tgt Ion:112 Resp: 429404
Ion Ratio Lower Upper
112 100
114 31.5 22.3 41.5
77 59.7 48.9 73.3





#52

Ethylbenzene

Concen: 46.385 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. -0.000 min

Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

Instrument :

MSVOA_V

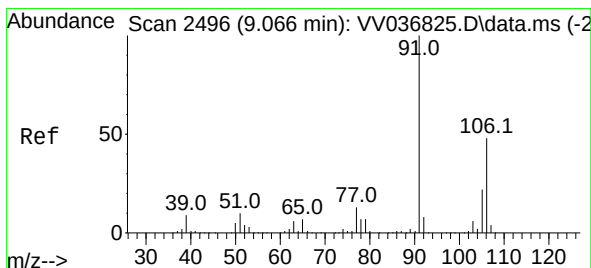
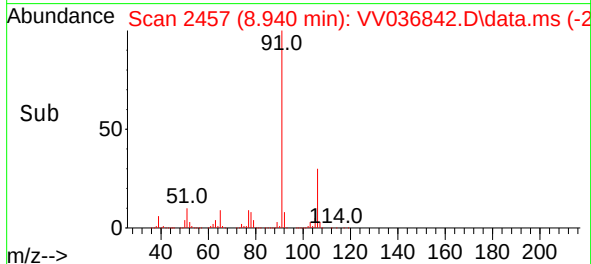
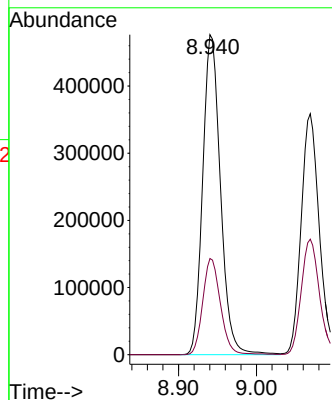
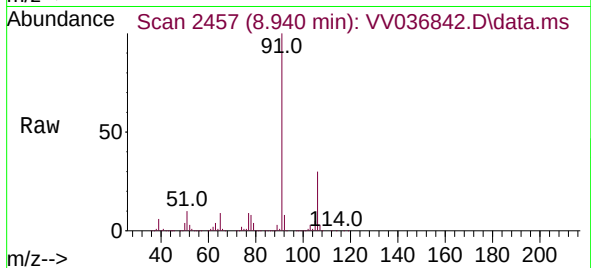
ClientSampleId :

Tgt Ion: 91 Resp: 755084

Ion Ratio Lower Upper

91 100

106 30.1 21.1 39.1



#53

m,p-Xylene

Concen: 45.698 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.003 min

Lab File: VV036842.D

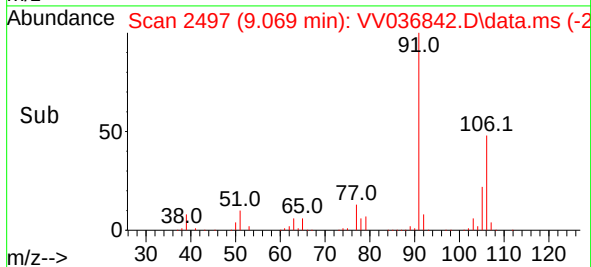
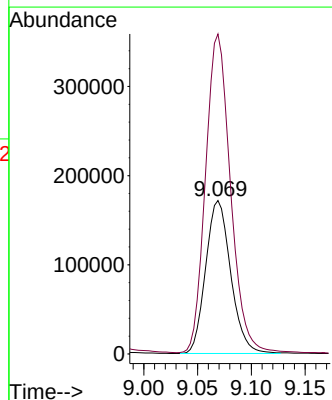
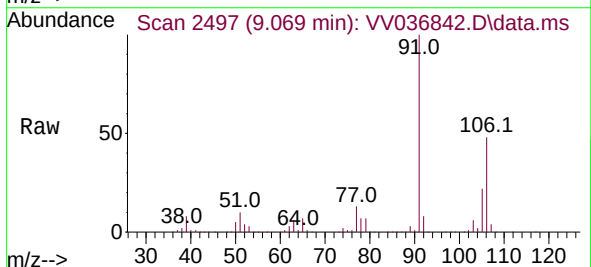
Acq: 07 Aug 2024 17:00

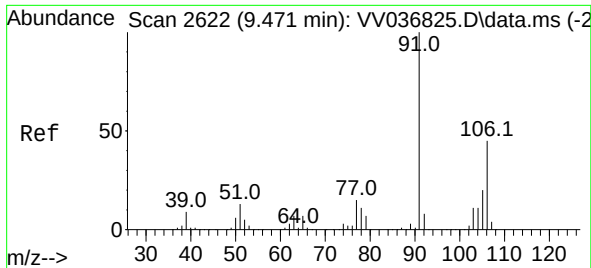
Tgt Ion:106 Resp: 278069

Ion Ratio Lower Upper

106 100

91 208.5 147.1 273.3

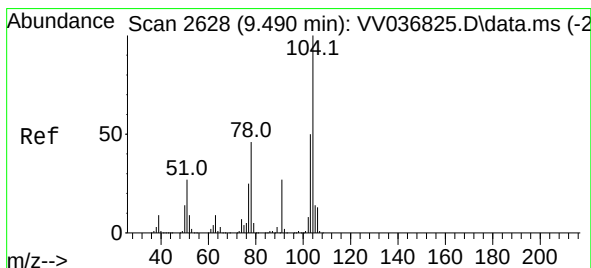
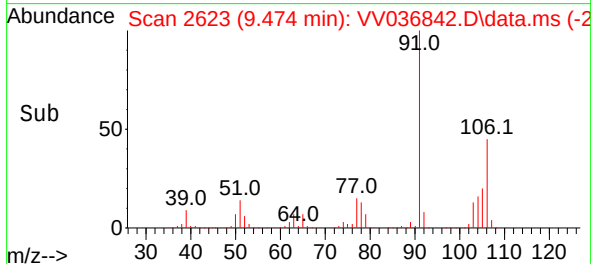
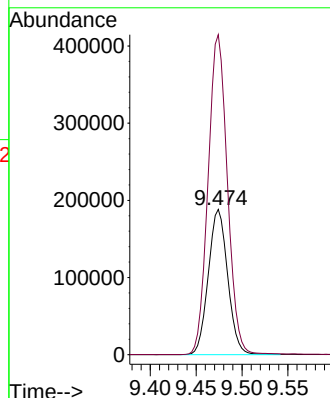
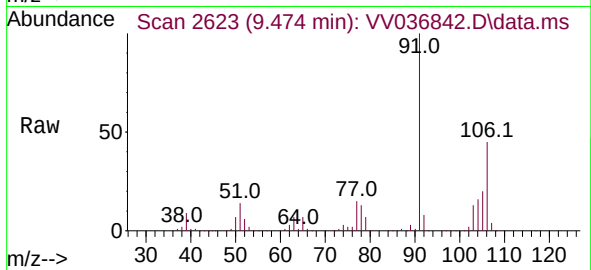




#54
o-Xylene
Concen: 46.649 ug/L
RT: 9.474 min Scan# 2622
Delta R.T. 0.003 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

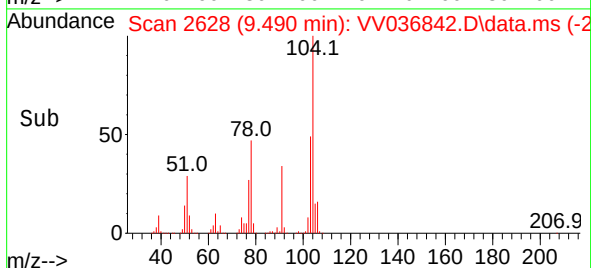
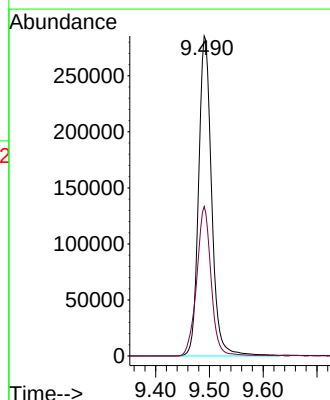
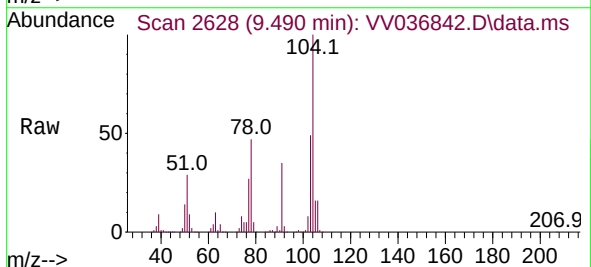
Instrument :
MSVOA_V
ClientSampleId :

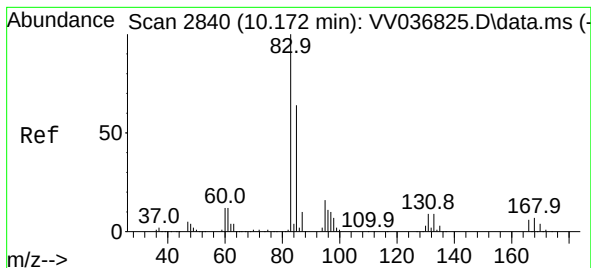
Tgt Ion:106 Resp: 277630
Ion Ratio Lower Upper
106 100
91 220.3 154.5 286.9



#55
Styrene
Concen: 47.202 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. -0.000 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

Tgt Ion:104 Resp: 481418
Ion Ratio Lower Upper
104 100
78 46.7 32.1 59.7

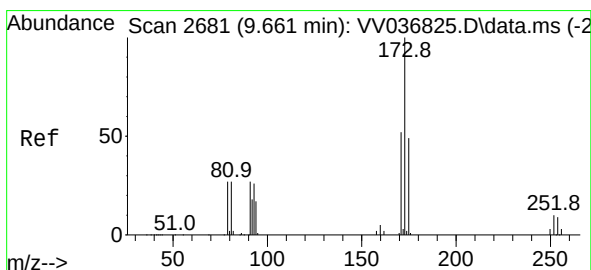
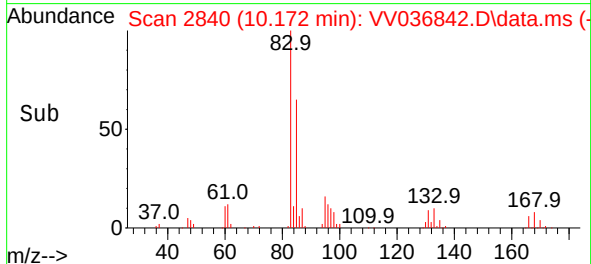
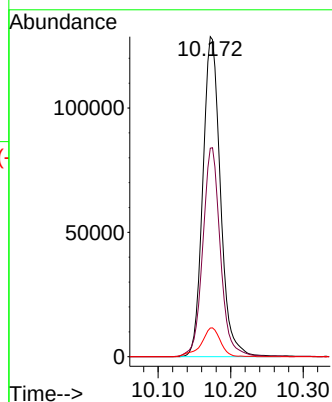
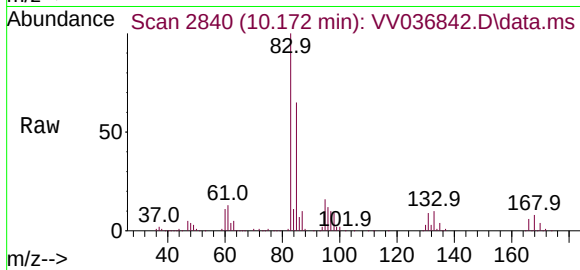




#57
1,1,2,2-Tetrachloroethane
Concen: 46.852 ug/L
RT: 10.172 min Scan# 2840
Delta R.T. -0.000 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

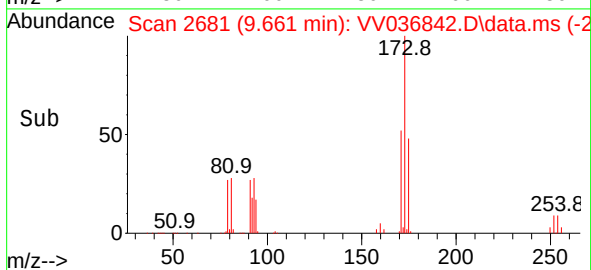
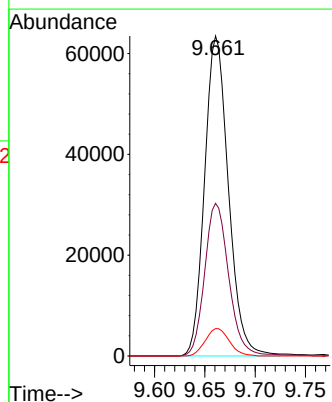
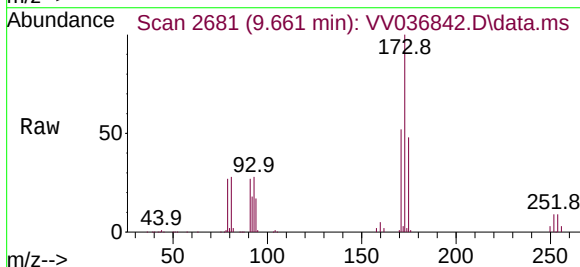
Instrument :
MSVOA_V
ClientSampleId :

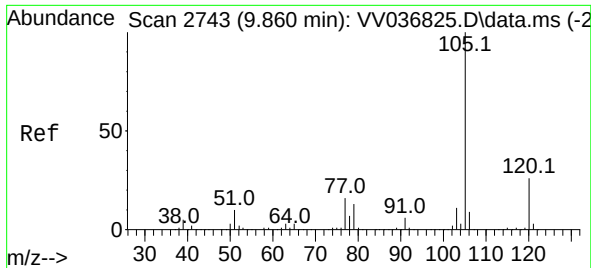
Tgt Ion: 83 Resp: 217084
Ion Ratio Lower Upper
83 100
85 65.2 44.7 83.1
131 9.0 7.2 10.8



#59
Bromoform
Concen: 42.379 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. -0.000 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

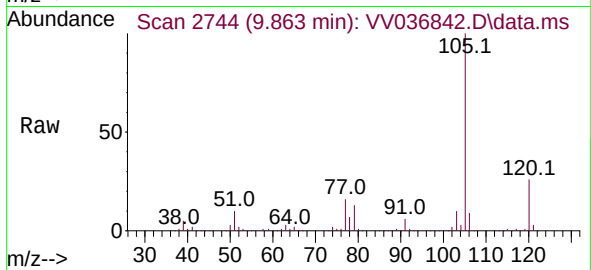
Tgt Ion: 173 Resp: 104646
Ion Ratio Lower Upper
173 100
175 48.2 39.8 59.8
254 8.6 6.8 10.2



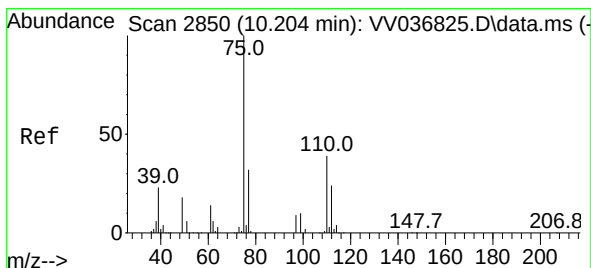
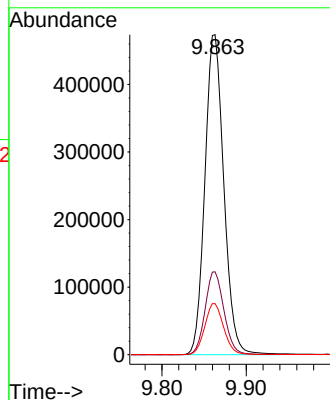
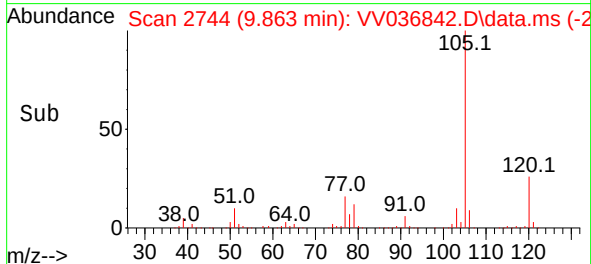


#60
Isopropylbenzene
Concen: 45.640 ug/L
RT: 9.863 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00

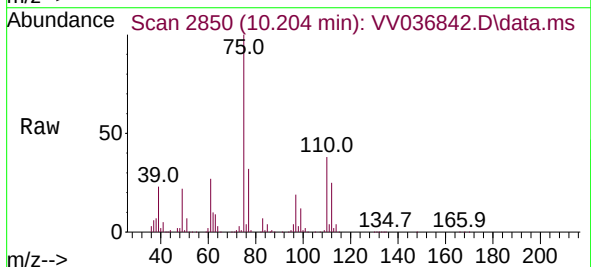
Instrument :
MSVOA_V
ClientSampleId :



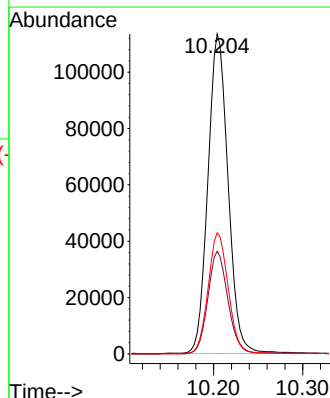
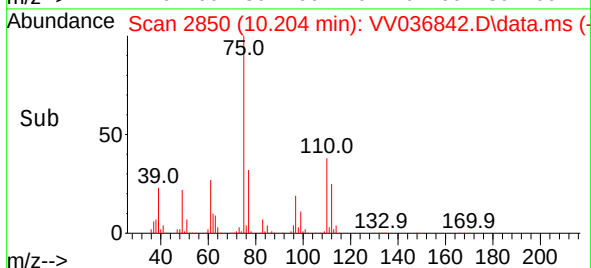
Tgt Ion:105 Resp: 741638
Ion Ratio Lower Upper
105 100
120 25.8 20.3 30.5
77 15.8 13.1 19.7

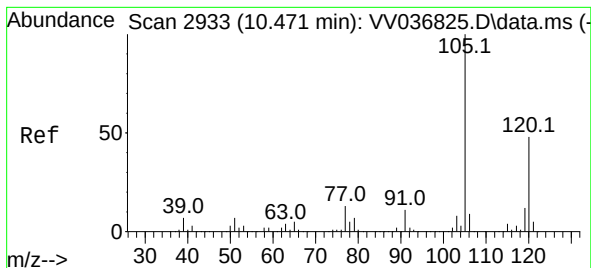


#61
1,2,3-Trichloropropane
Concen: 44.197 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. -0.000 min
Lab File: VV036842.D
Acq: 07 Aug 2024 17:00



Tgt Ion: 75 Resp: 177586
Ion Ratio Lower Upper
75 100
77 31.4 26.2 39.2
110 38.1 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 45.530 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. -0.000 min

Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

Instrument :

MSVOA_V

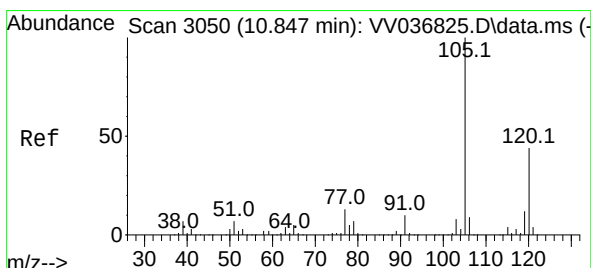
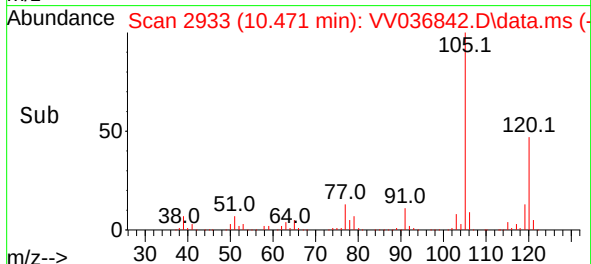
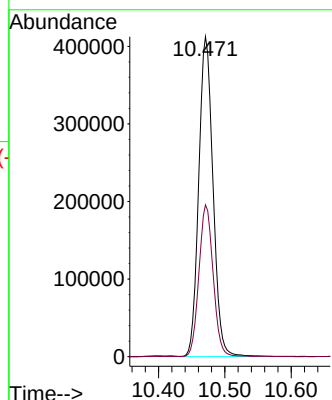
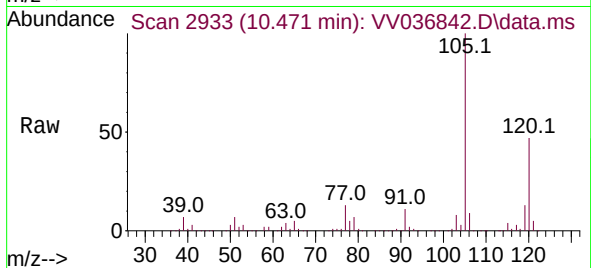
ClientSampleId :

Tgt Ion:105 Resp: 615968

Ion Ratio Lower Upper

105 100

120 47.3 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 45.538 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. -0.000 min

Lab File: VV036842.D

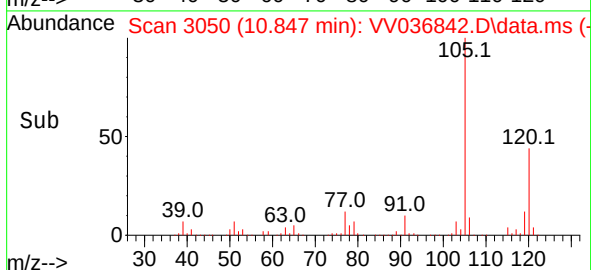
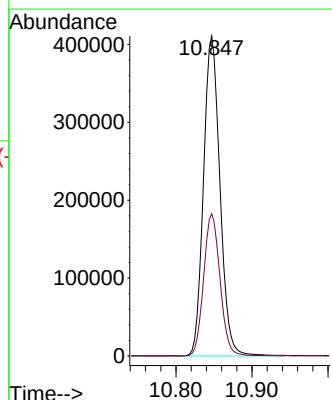
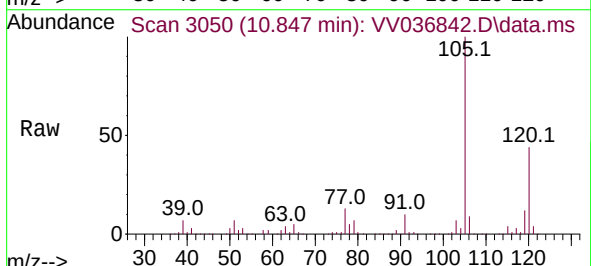
Acq: 07 Aug 2024 17:00

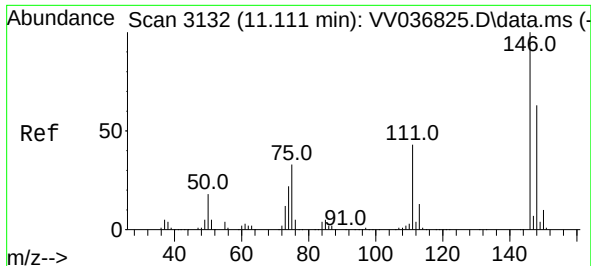
Tgt Ion:105 Resp: 616717

Ion Ratio Lower Upper

105 100

120 44.3 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 45.763 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. -0.000 min

Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

Instrument :

MSVOA_V

ClientSampleId :

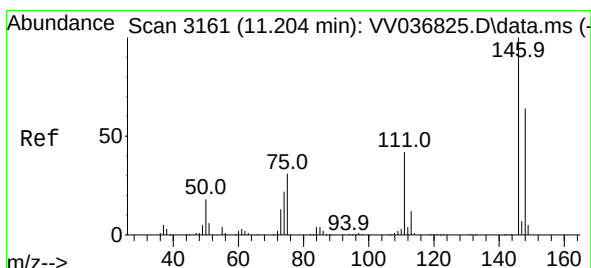
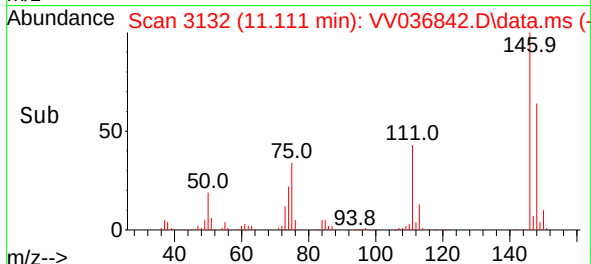
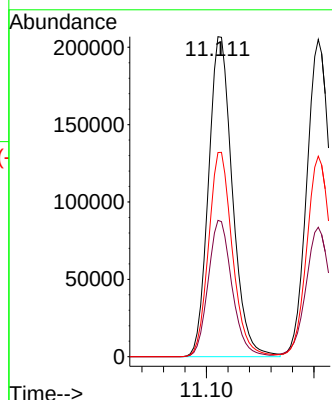
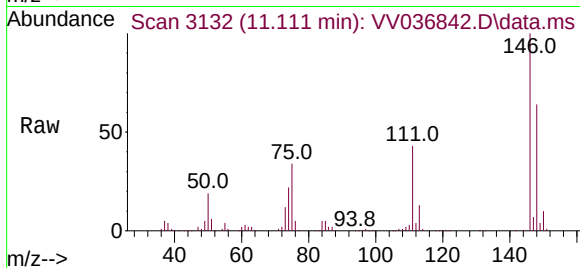
Tgt Ion:146 Resp: 319787

Ion Ratio Lower Upper

146 100

111 42.6 29.8 55.4

148 63.8 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 45.638 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.000 min

Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

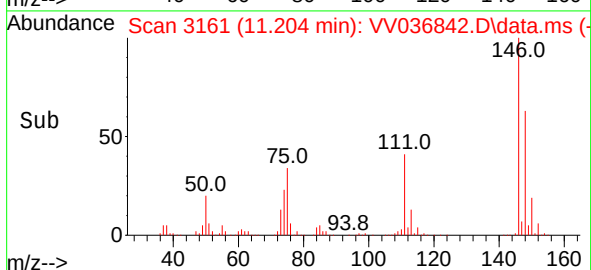
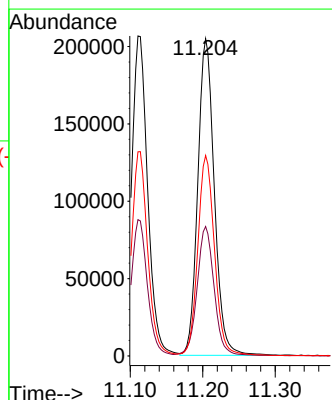
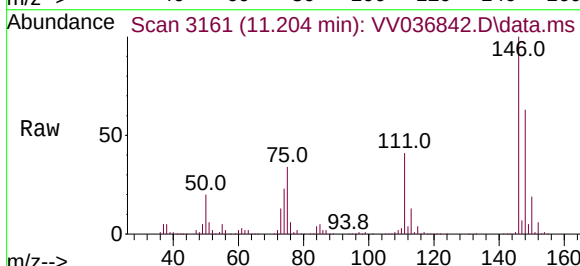
Tgt Ion:146 Resp: 324299

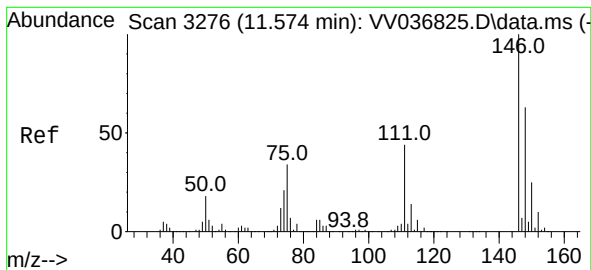
Ion Ratio Lower Upper

146 100

111 40.8 29.0 53.9

148 63.2 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 46.284 ug/L

RT: 11.574 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

Instrument :

MSVOA_V

ClientSampleId :

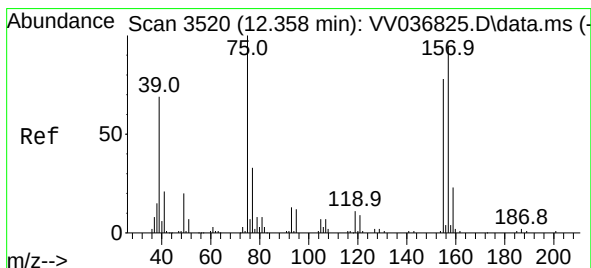
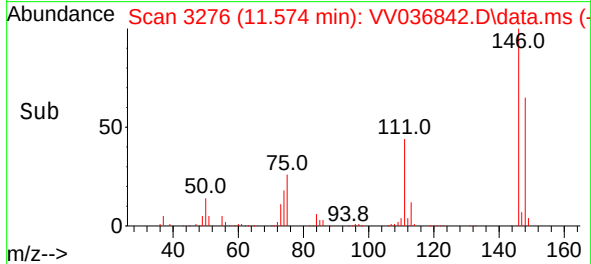
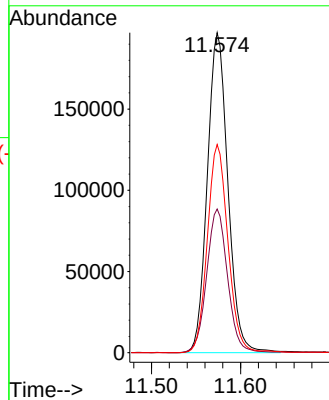
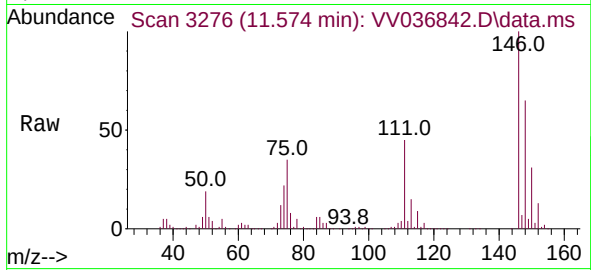
Tgt Ion:146 Resp: 315874

Ion Ratio Lower Upper

146 100

111 44.9 35.7 53.5

148 65.0 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 37.809 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. -0.000 min

Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

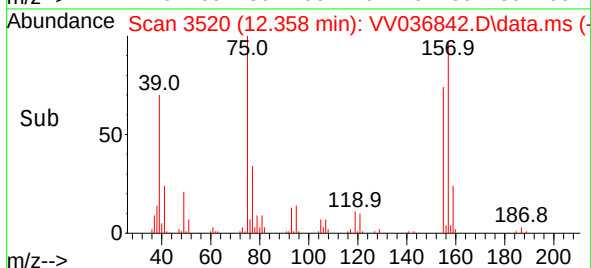
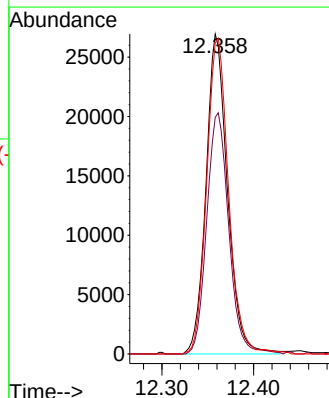
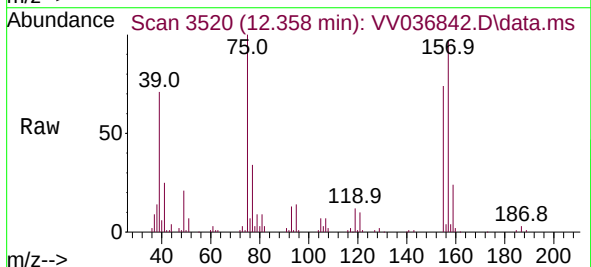
Tgt Ion: 75 Resp: 43901

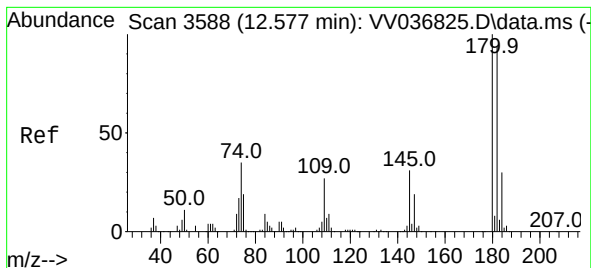
Ion Ratio Lower Upper

75 100

155 73.9 59.5 89.3

157 97.2 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 43.247 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. -0.000 min

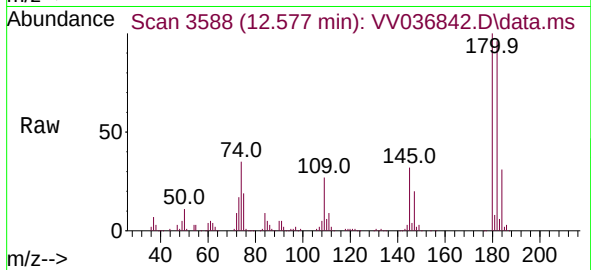
Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 214462

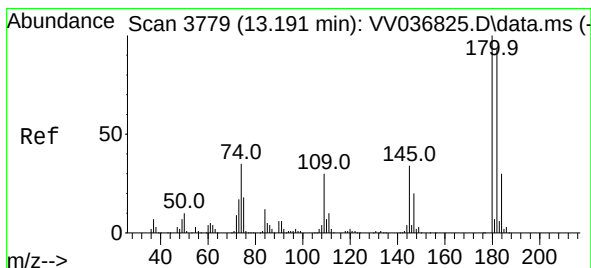
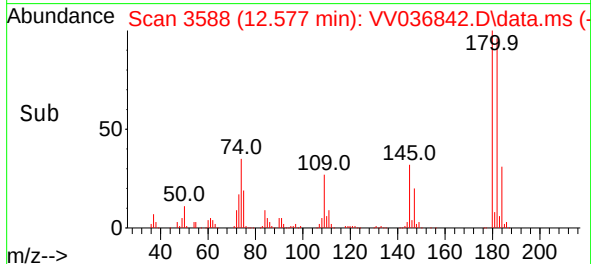
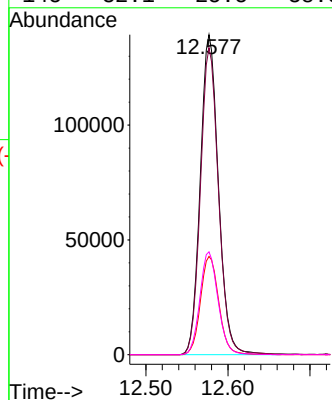
Ion Ratio Lower Upper

180 100

182 94.8 75.0 112.6

184 30.8 23.7 35.5

145 32.1 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 43.443 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.003 min

Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

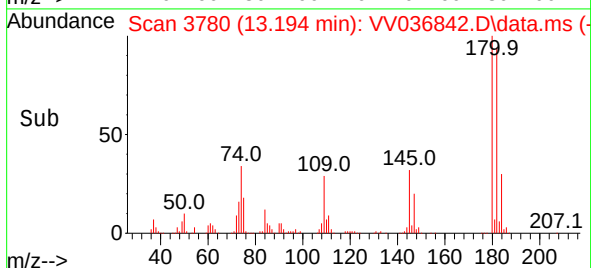
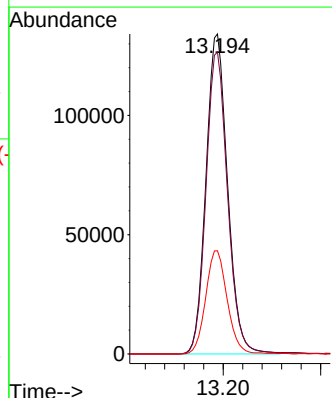
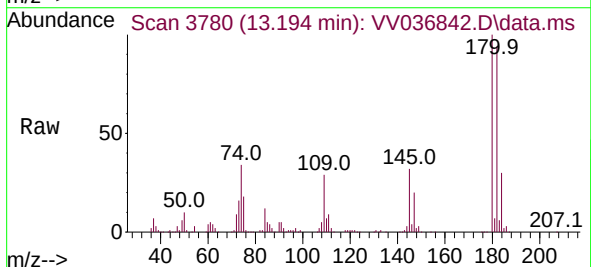
Tgt Ion:180 Resp: 206622

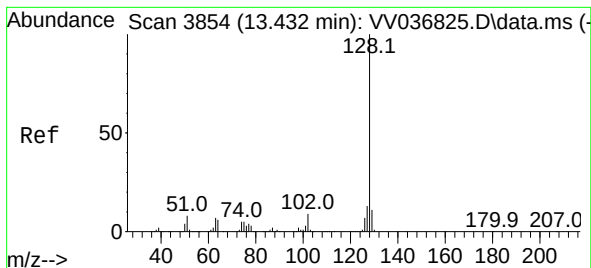
Ion Ratio Lower Upper

180 100

182 94.1 75.1 112.7

145 32.1 26.5 39.7





#71

Naphthalene

Concen: 40.487 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. -0.000 min

Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

Instrument :

MSVOA_V

ClientSampleId :

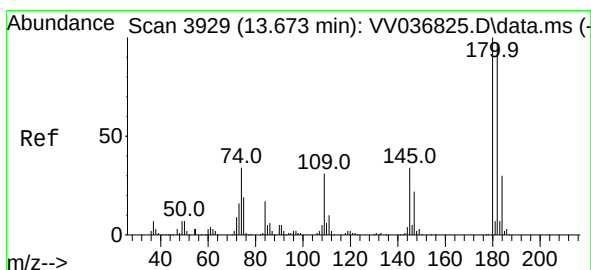
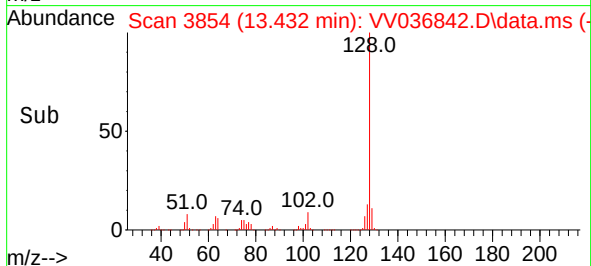
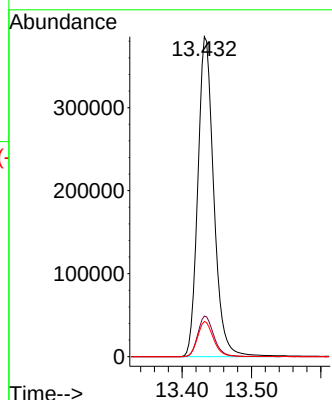
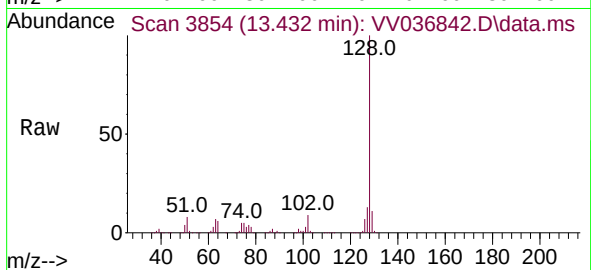
Tgt Ion:128 Resp: 617491

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 43.936 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. -0.000 min

Lab File: VV036842.D

Acq: 07 Aug 2024 17:00

Tgt Ion:180 Resp: 204548

Ion Ratio Lower Upper

180 100

182 95.6 76.2 114.2

145 34.0 27.8 41.6

