

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080824\
 Data File : VV036861.D
 Acq On : 08 Aug 2024 18:36
 Operator : SY/MD
 Sample : P3480-12MSD
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 09 02:45:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 09 02:41:02 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	417261	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	393925	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	194226	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.278	65	142265	42.687	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.380%
7) Chloroethane-d5	1.532	69	123063	46.824	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.640%
11) 1,1-Dichloroethene-d2	2.057	65	61479	43.126	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.260%
21) 2-Butanone-d5	3.793	46	164199	92.989	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.990%
24) Chloroform-d	4.246	84	304646	50.938	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.880%
26) 1,2-Dichloroethane-d4	4.937	65	193437	50.305	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.600%
32) Benzene-d6	4.953	84	580990	48.831	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.660%
36) 1,2-Dichloropropane-d6	5.986	67	195247	50.866	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.740%
41) Toluene-d8	7.240	98	505311	46.299	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.600%
43) trans-1,3-Dichloroprop...	7.551	79	89388	44.747	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.500%
47) 2-Hexanone-d5	8.024	63	105451	95.546	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.550%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	232839	52.830	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.660%
66) 1,2-Dichlorobenzene-d4	11.555	152	204565	51.686	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.380%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.108	85	176693	53.108	ug/L	99
3) Chloromethane	1.217	50	184183	52.898	ug/L	99
5) Vinyl chloride	1.282	62	189199	52.913	ug/L	97
6) Bromomethane	1.487	94	113513	50.422	ug/L	99
8) Chloroethane	1.548	64	117867	53.217	ug/L	99
9) Trichlorofluoromethane	1.712	101	241374	51.536	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	141759	51.366	ug/L	99
12) 1,1-Dichloroethene	2.069	96	135540	51.423	ug/L	95
13) Acetone	2.111	43	108651	73.543	ug/L	100
14) Carbon disulfide	2.240	76	383766	46.351	ug/L	99
15) Methyl Acetate	2.372	43	126017	41.406	ug/L	98
16) Methylene chloride	2.442	84	154023	51.979	ug/L	100
17) trans-1,2-Dichloroethene	2.690	96	142060	52.032	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	476595	49.564	ug/L	99
19) 1,1-Dichloroethane	3.105	63	291726	52.887	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	167978	52.419	ug/L	96
22) 2-Butanone	3.876	43	162995	82.355	ug/L	98
23) Bromochloromethane	4.140	128	80687	51.834	ug/L	94
25) Chloroform	4.272	83	294492	51.980	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080824\
 Data File : VV036861.D
 Acq On : 08 Aug 2024 18:36
 Operator : SY/MD
 Sample : P3480-12MSD
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

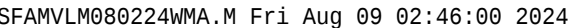
Instrument :
 MSVOA_V
 ClientSampleId :

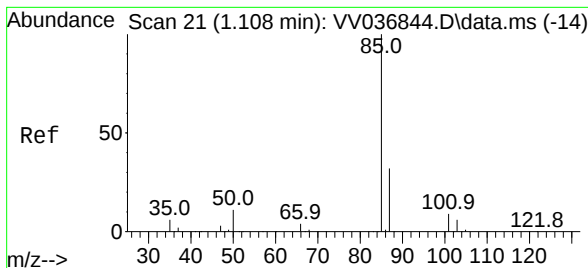
Quant Time: Aug 09 02:45:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 09 02:41:02 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	226829	50.757	ug/L	100
29) Cyclohexane	4.574	56	258699	51.543	ug/L	99
30) 1,1,1-Trichloroethane	4.507	97	249487	50.270	ug/L	100
31) Carbon tetrachloride	4.728	117	207398	49.760	ug/L	99
33) Benzene	5.005	78	628709	53.360	ug/L	100
34) Trichloroethene	5.828	95	169679	49.691	ug/L	96
35) Methylcyclohexane	6.043	83	258152	49.267	ug/L	98
37) 1,2-Dichloropropane	6.088	63	167095	53.535	ug/L	100
38) Bromodichloromethane	6.429	83	215624	50.167	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	274349	51.323	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	353991	91.554	ug/L	99
42) Toluene	7.310	91	654804	52.177	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	238090	47.798	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	156271	51.700	ug/L	99
46) Tetrachloroethene	7.902	164	111179	49.638	ug/L	99
48) 2-Hexanone	8.076	43	254431	89.448	ug/L	98
49) Dibromochloromethane	8.172	129	153609	49.453	ug/L	100
50) 1,2-Dibromoethane	8.278	107	159467	50.848	ug/L	97
51) Chlorobenzene	8.809	112	419518	52.099	ug/L	100
52) Ethylbenzene	8.940	91	741448	51.743	ug/L	99
53) m,p-Xylene	9.069	106	272765	50.925	ug/L	98
54) o-Xylene	9.474	106	271224	51.772	ug/L	98
55) Styrene	9.490	104	467994	52.128	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.172	83	210979	51.729	ug/L	99
59) Bromoform	9.661	173	99232	46.182	ug/L	99
60) Isopropylbenzene	9.860	105	730725	51.678	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	170046	48.635	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	604245	51.328	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	595106	50.499	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	313397	51.540	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	310850	50.272	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	311775	52.500	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	42011	41.579	ug/L	98
69) 1,3,5-Trichlorobenzene	12.577	180	208470	48.311	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	197281	47.669	ug/L	98
71) Naphthalene	13.432	128	587026	44.232	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	198831	49.080	ug/L	99

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

Quant Time: Aug 09 02:45:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 09 02:41:02 2024
Response via : Initial Calibration

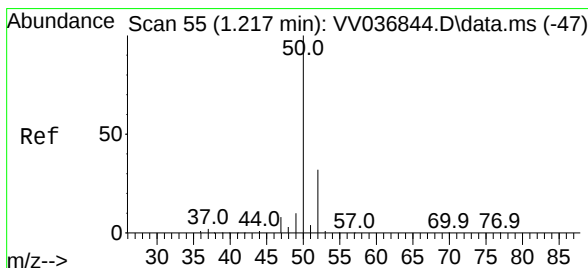
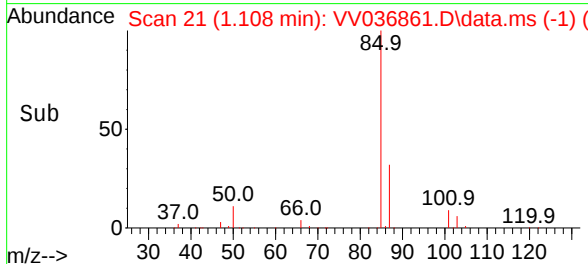
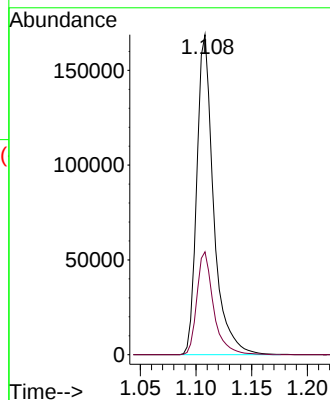
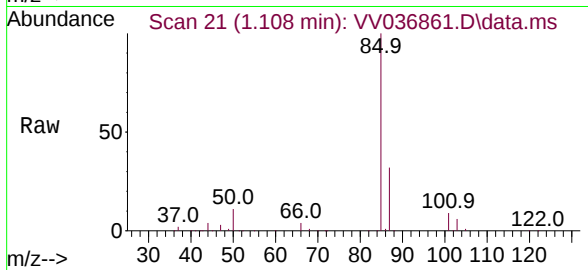




#2
 Dichlorodifluoromethane
 Concen: 53.108 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV036861.D
 Acq: 08 Aug 2024 18:36

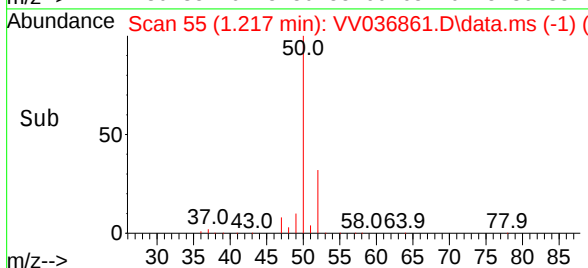
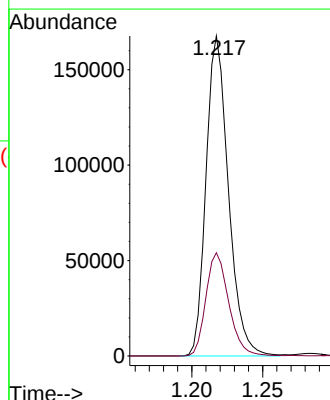
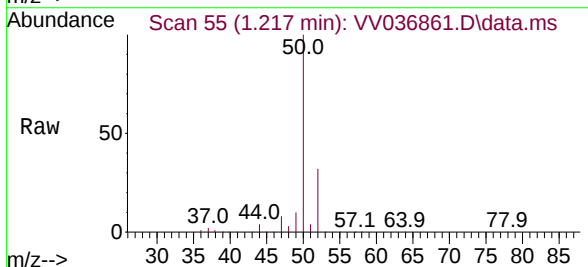
Instrument :
 MSVOA_V
 ClientSampleId :

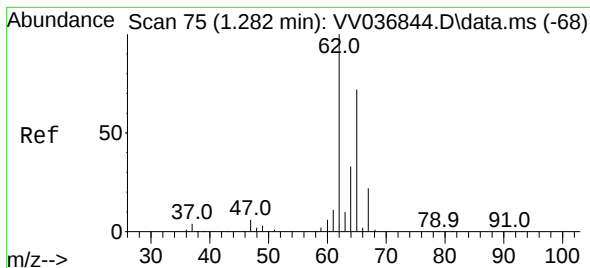
Tgt Ion: 85 Resp: 176693
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.9 38.9



#3
 Chloromethane
 Concen: 52.898 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV036861.D
 Acq: 08 Aug 2024 18:36

Tgt Ion: 50 Resp: 184183
 Ion Ratio Lower Upper
 50 100
 52 32.2 23.0 42.8





#5

Vinyl chloride

Concen: 52.913 ug/L

RT: 1.282 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

Instrument :

MSVOA_V

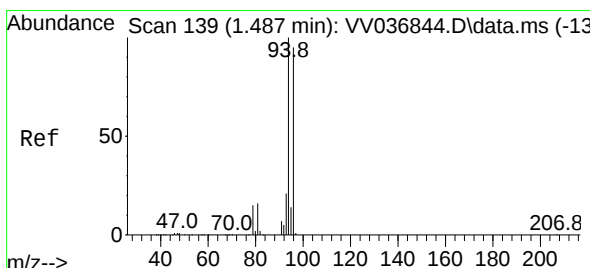
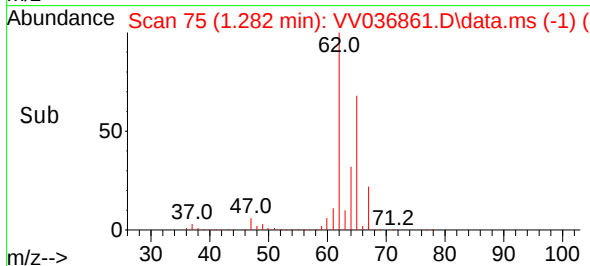
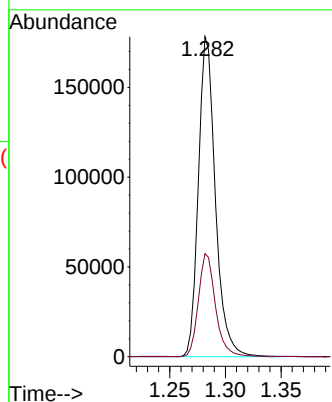
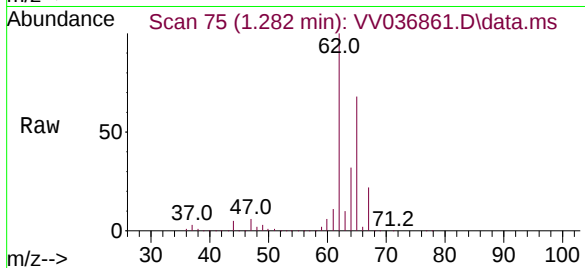
ClientSampleId :

Tgt Ion: 62 Resp: 189199

Ion Ratio Lower Upper

62 100

64 32.2 23.6 43.8



#6

Bromomethane

Concen: 50.422 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.000 min

Lab File: VV036861.D

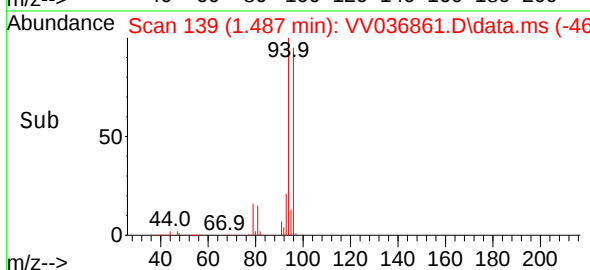
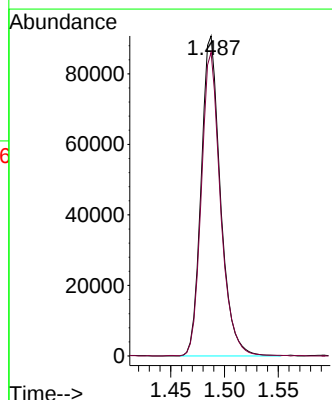
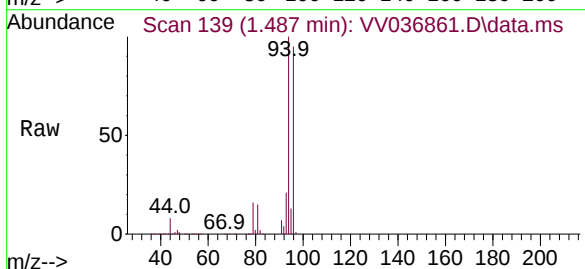
Acq: 08 Aug 2024 18:36

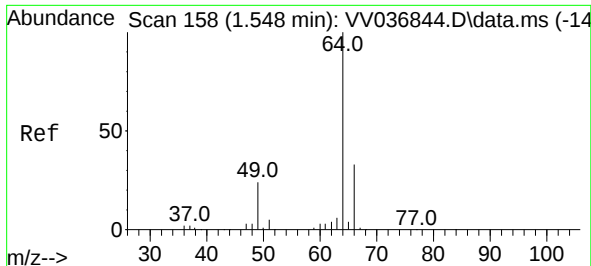
Tgt Ion: 94 Resp: 113513

Ion Ratio Lower Upper

94 100

96 94.9 65.5 121.7

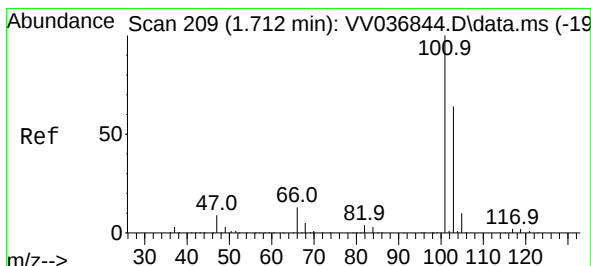
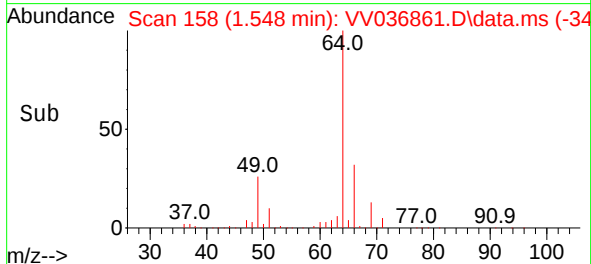
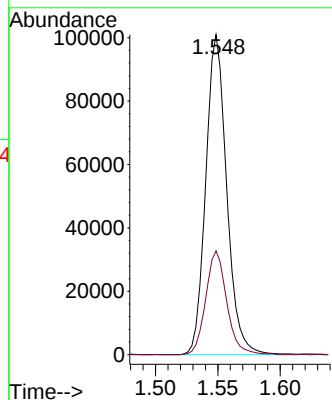
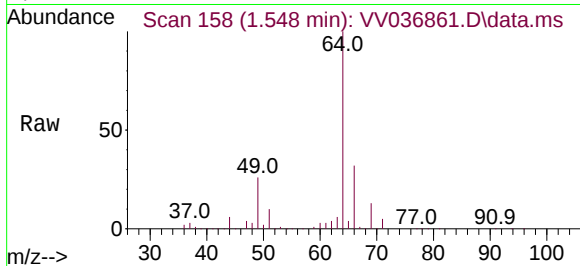




#8
Chloroethane
Concen: 53.217 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV036861.D
Acq: 08 Aug 2024 18:36

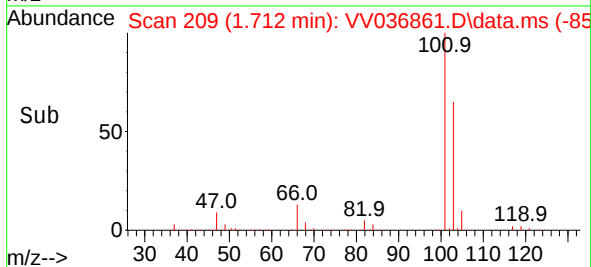
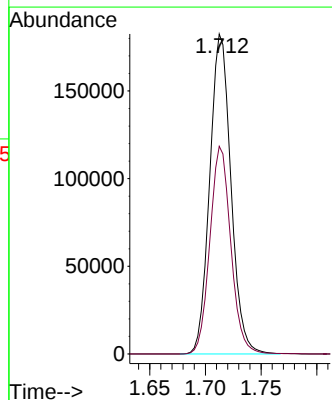
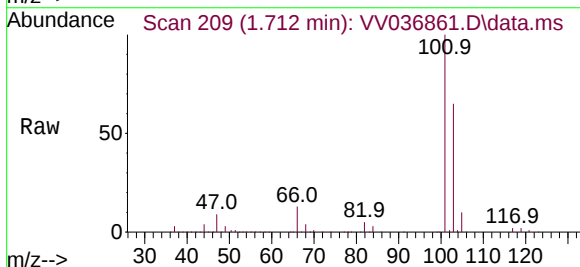
Instrument :
MSVOA_V
ClientSampleId :

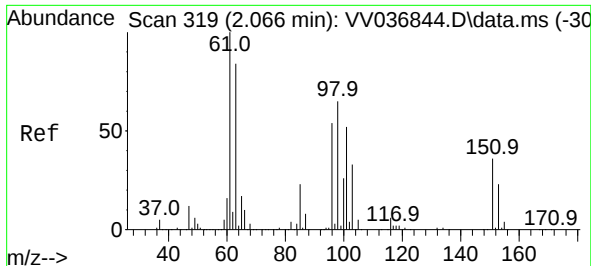
Tgt Ion: 64 Resp: 117867
Ion Ratio Lower Upper
64 100
66 32.4 23.2 43.0



#9
Trichlorofluoromethane
Concen: 51.536 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV036861.D
Acq: 08 Aug 2024 18:36

Tgt Ion:101 Resp: 241374
Ion Ratio Lower Upper
101 100
103 64.1 51.4 77.0





#10

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

Concen: 51.366 ug/L

RT: 2.069 min Scan# 319

Delta R.T. 0.003 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

Instrument :

MSVOA_V

ClientSampleId :

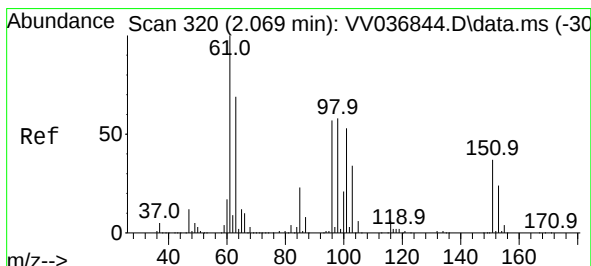
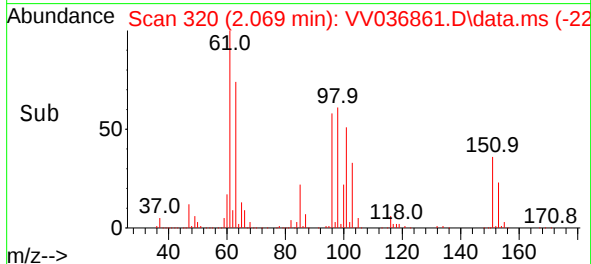
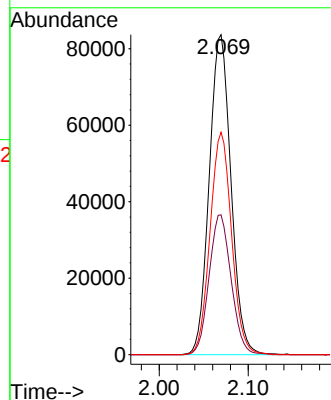
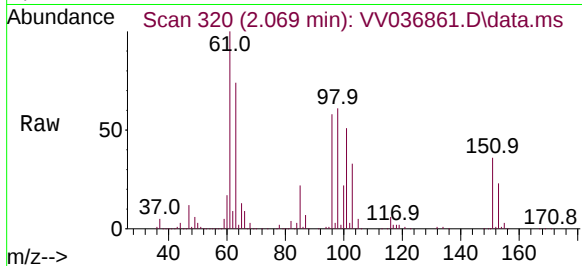
Tgt Ion:101 Resp: 141759

Ion Ratio Lower Upper

101 100

85 44.4 34.6 51.8

151 68.9 55.9 83.9



#12

1,1-Dichloroethene

Concen: 51.423 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

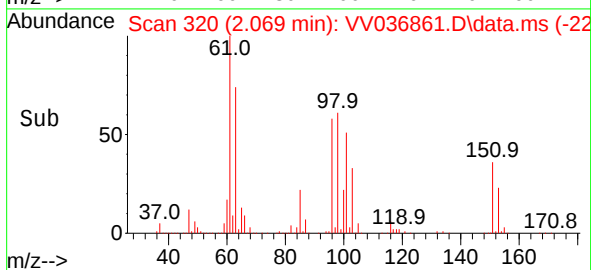
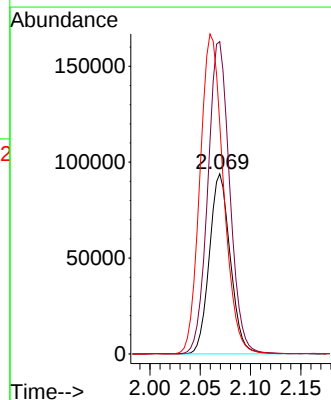
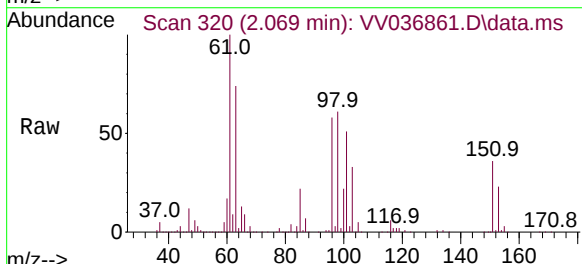
Tgt Ion: 96 Resp: 135540

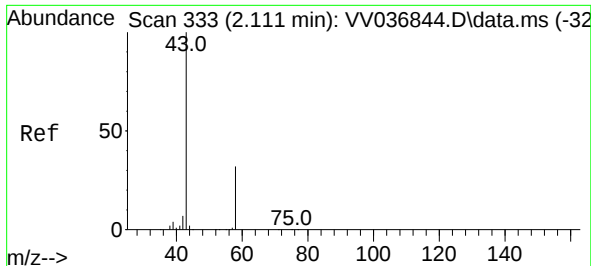
Ion Ratio Lower Upper

96 100

61 173.3 125.6 233.2

63 127.8 95.1 176.7





#13

Acetone

Concen: 73.543 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.000 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

Instrument :

MSVOA_V

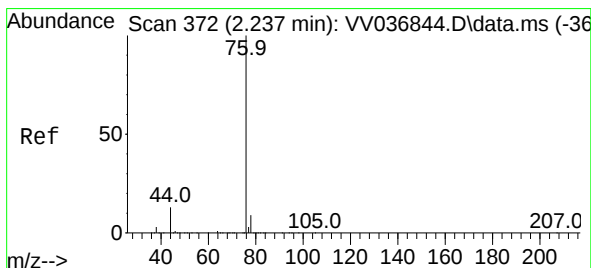
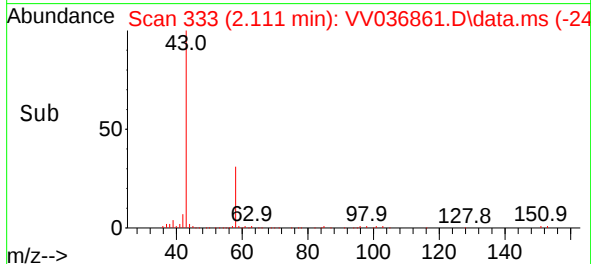
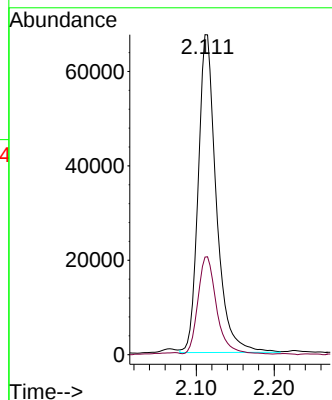
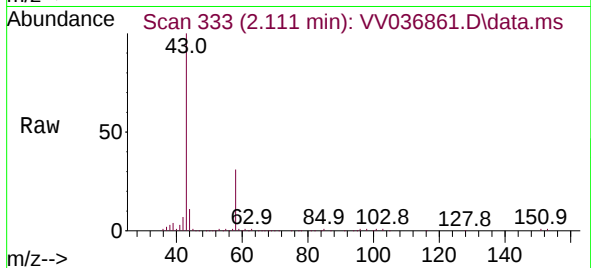
ClientSampleId :

Tgt Ion: 43 Resp: 108651

Ion Ratio Lower Upper

43 100

58 31.9 0.0 63.4



#14

Carbon disulfide

Concen: 46.351 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.003 min

Lab File: VV036861.D

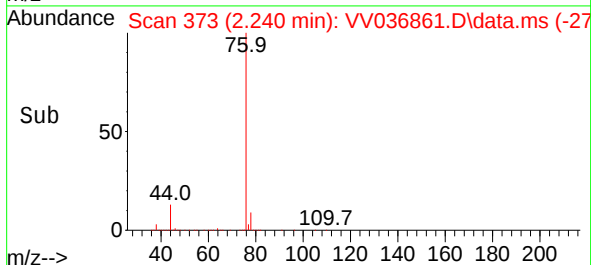
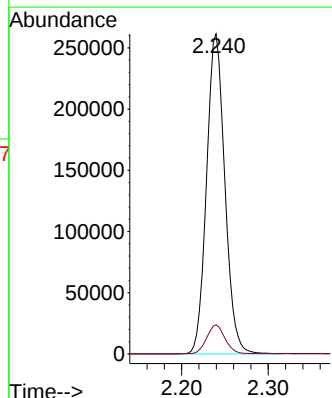
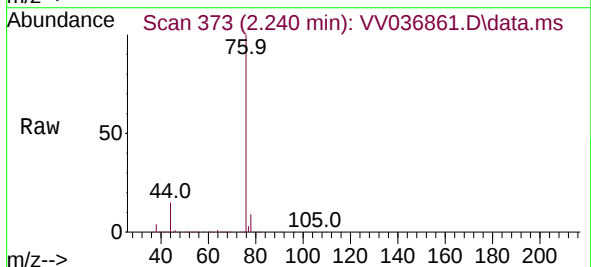
Acq: 08 Aug 2024 18:36

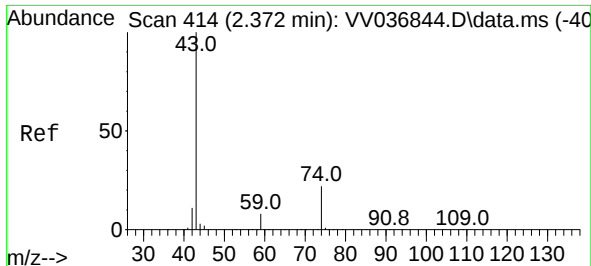
Tgt Ion: 76 Resp: 383766

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7





#15

Methyl Acetate

Concen: 41.406 ug/L

RT: 2.372 min Scan# 414

Delta R.T. 0.000 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

Instrument :

MSVOA_V

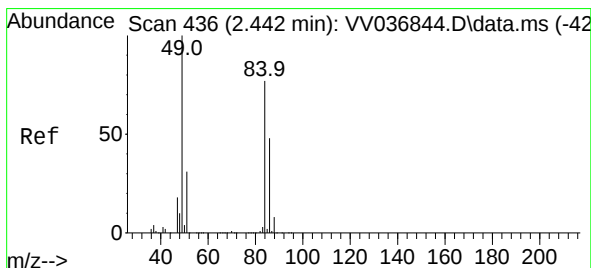
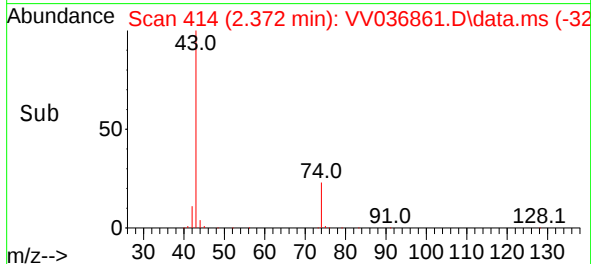
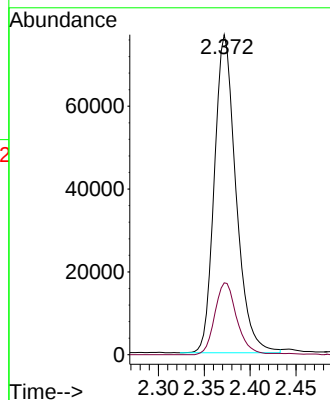
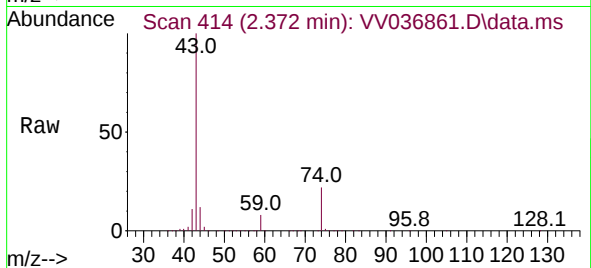
ClientSampleId :

Tgt Ion: 43 Resp: 126017

Ion Ratio Lower Upper

43 100

74 22.9 19.0 28.4



#16

Methylene chloride

Concen: 51.979 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.000 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

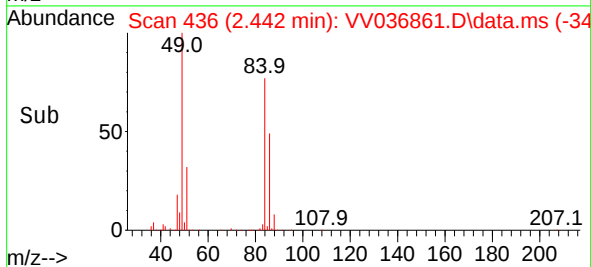
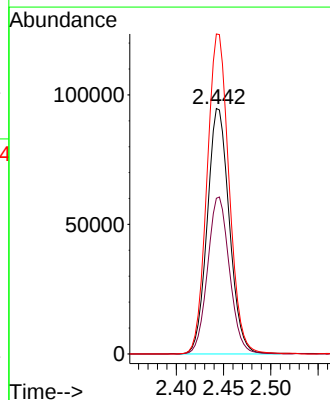
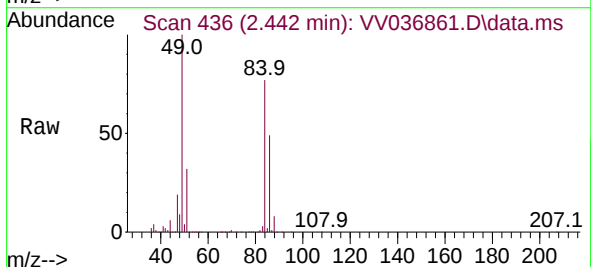
Tgt Ion: 84 Resp: 154023

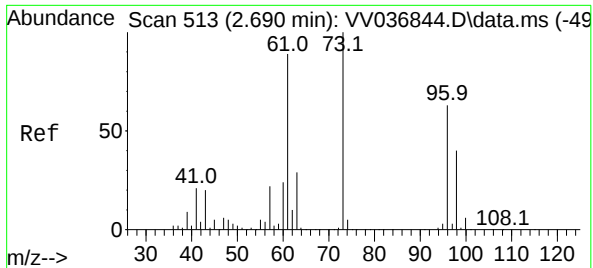
Ion Ratio Lower Upper

84 100

86 63.4 44.3 82.3

49 130.3 91.1 169.1

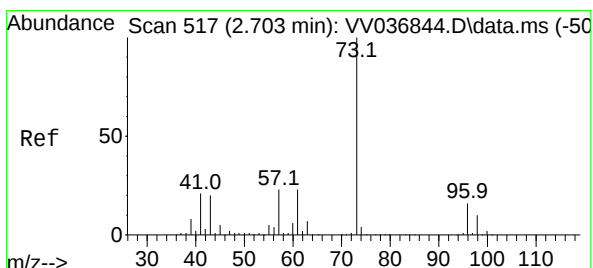
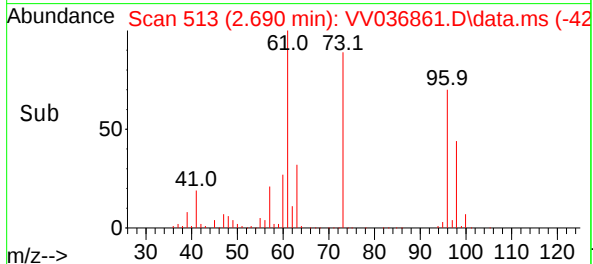
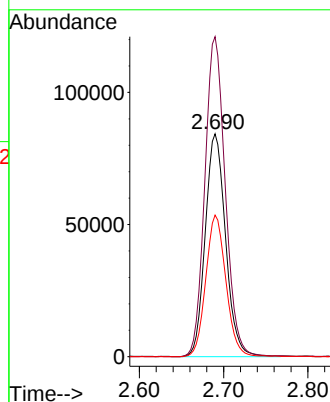
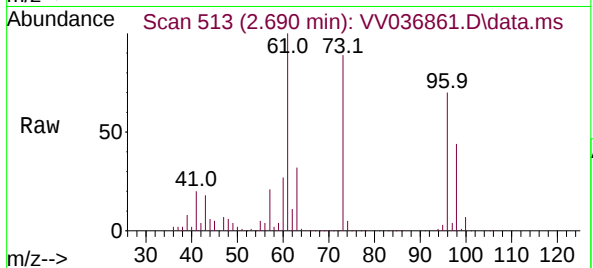




#17
trans-1,2-Dichloroethene
Concen: 52.032 ug/L
RT: 2.690 min Scan# 513
Delta R.T. 0.000 min
Lab File: VV036861.D
Acq: 08 Aug 2024 18:36

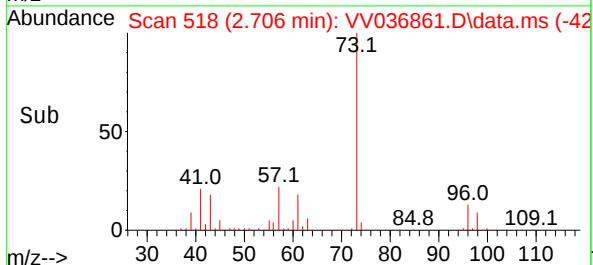
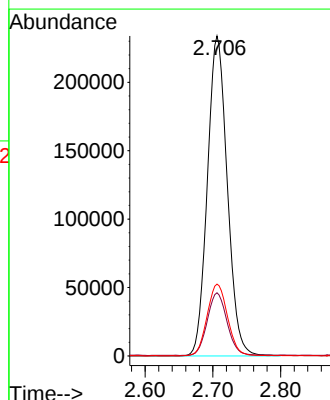
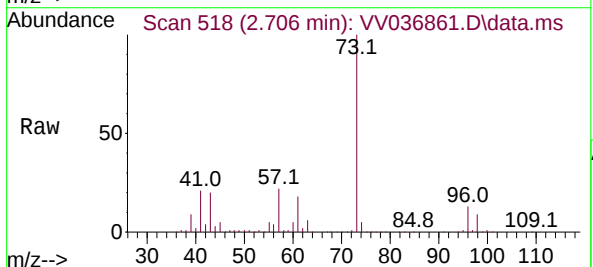
Instrument :
MSVOA_V
ClientSampleId :

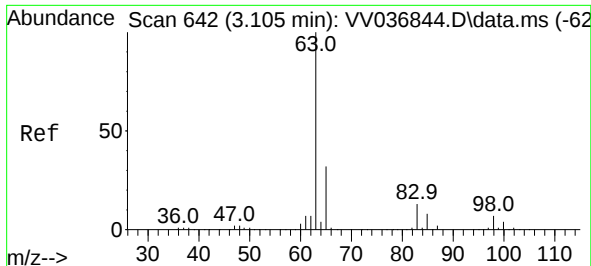
Tgt Ion: 96 Resp: 142060
Ion Ratio Lower Upper
96 100
61 143.5 100.0 185.8
98 63.5 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 49.564 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV036861.D
Acq: 08 Aug 2024 18:36

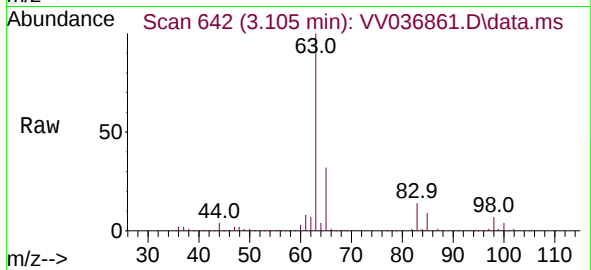
Tgt Ion: 73 Resp: 476595
Ion Ratio Lower Upper
73 100
43 19.4 16.1 24.1
57 23.0 17.9 26.9



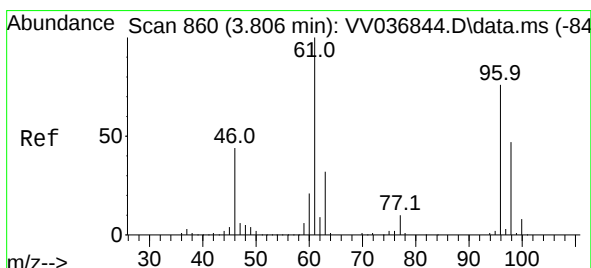
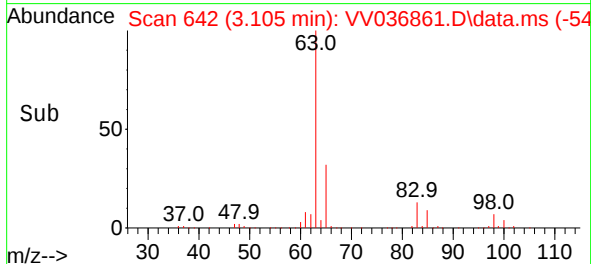
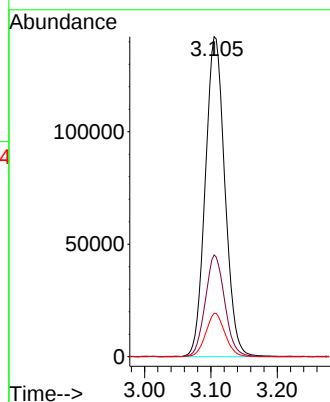


#19
1,1-Dichloroethane
Concen: 52.887 ug/L
RT: 3.105 min Scan# 642
Delta R.T. 0.000 min
Lab File: VV036861.D
Acq: 08 Aug 2024 18:36

Instrument :
MSVOA_V
ClientSampleId :

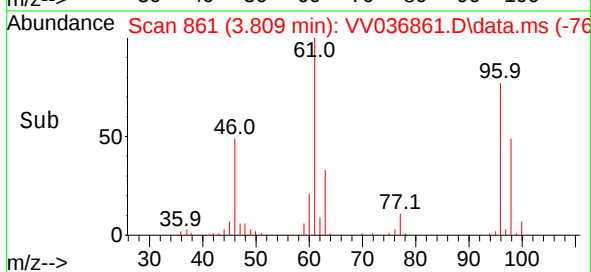
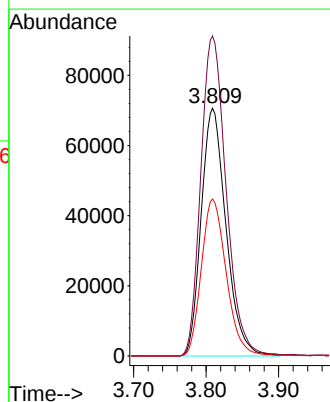
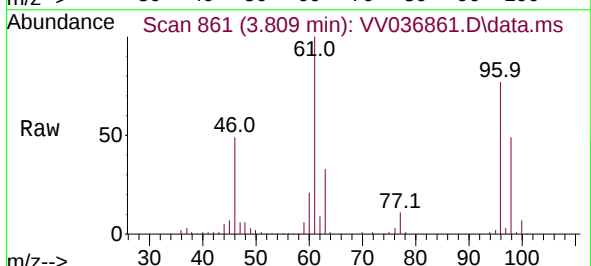


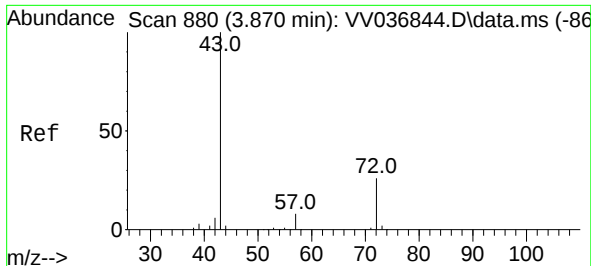
Tgt Ion: 63 Resp: 291726
Ion Ratio Lower Upper
63 100
65 31.8 23.2 43.0
83 13.5 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 52.419 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.003 min
Lab File: VV036861.D
Acq: 08 Aug 2024 18:36

Tgt Ion: 96 Resp: 167978
Ion Ratio Lower Upper
96 100
61 129.1 93.9 174.5
98 63.3 46.0 85.4

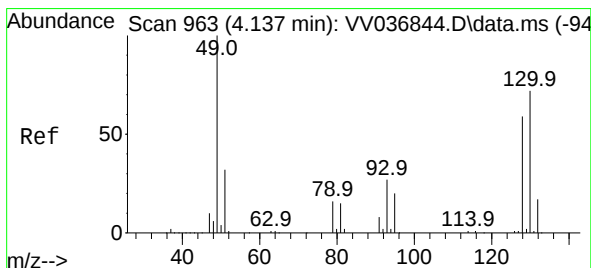
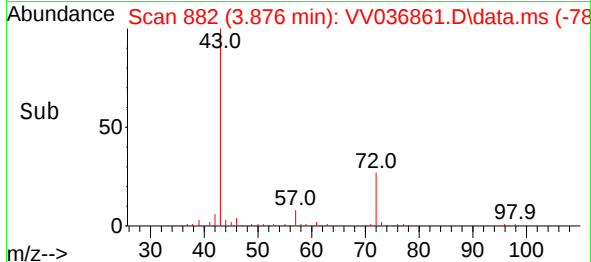
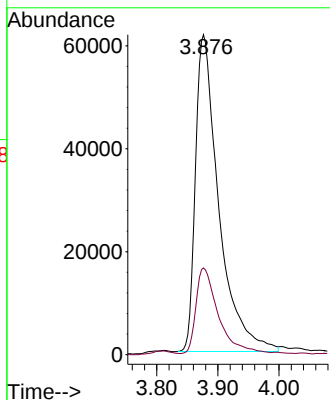
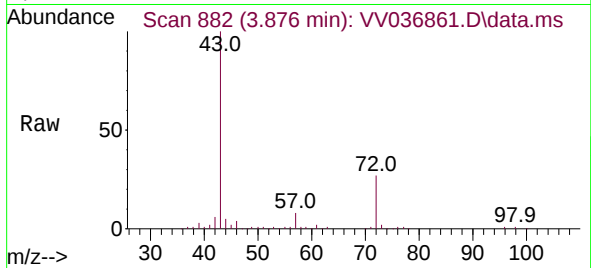




#22
2-Butanone
Concen: 82.355 ug/L
RT: 3.876 min Scan# 880
Delta R.T. 0.006 min
Lab File: VV036861.D
Acq: 08 Aug 2024 18:36

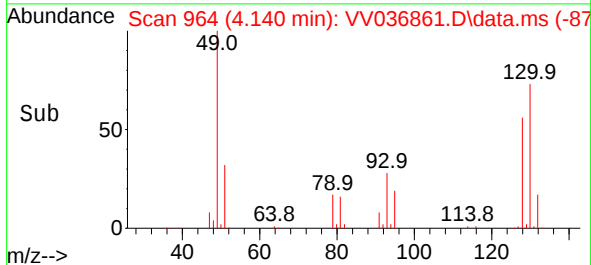
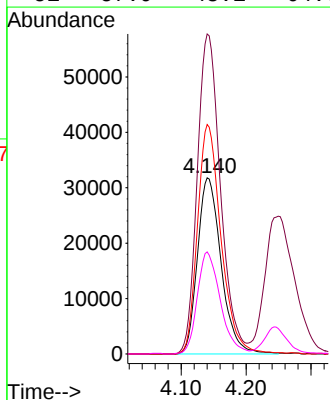
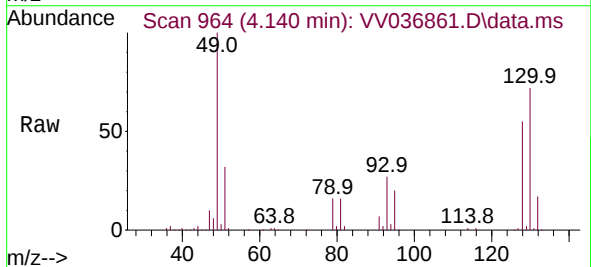
Instrument :
MSVOA_V
ClientSampleId :

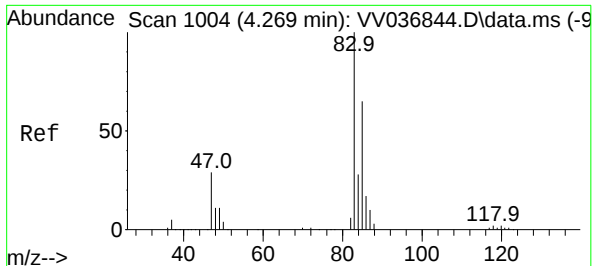
Tgt Ion: 43 Resp: 162995
Ion Ratio Lower Upper
43 100
72 26.0 12.5 37.5



#23
Bromochloromethane
Concen: 51.834 ug/L
RT: 4.140 min Scan# 964
Delta R.T. 0.003 min
Lab File: VV036861.D
Acq: 08 Aug 2024 18:36

Tgt Ion:128 Resp: 80687
Ion Ratio Lower Upper
128 100
49 181.6 120.0 223.0
130 130.2 87.0 161.6
51 57.9 43.1 64.7





#25

Chloroform

Concen: 51.980 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

Instrument :

MSVOA_V

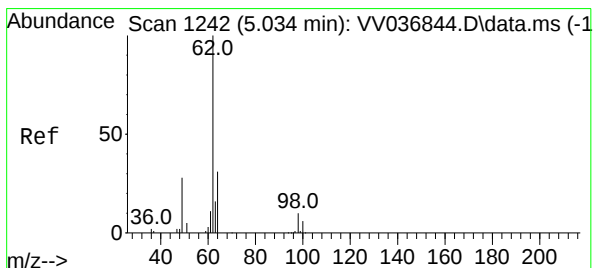
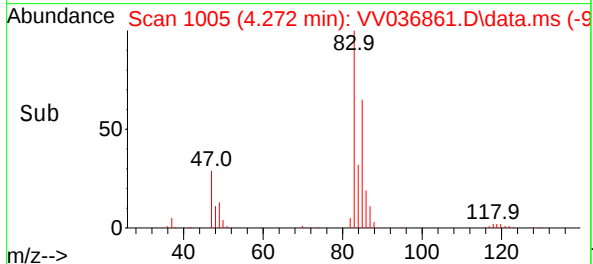
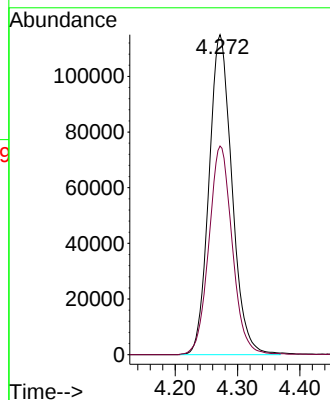
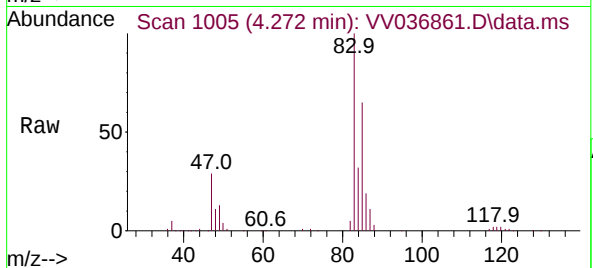
ClientSampleId :

Tgt Ion: 83 Resp: 294492

Ion Ratio Lower Upper

83 100

85 65.2 46.0 85.4



#27

1,2-Dichloroethane

Concen: 50.757 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV036861.D

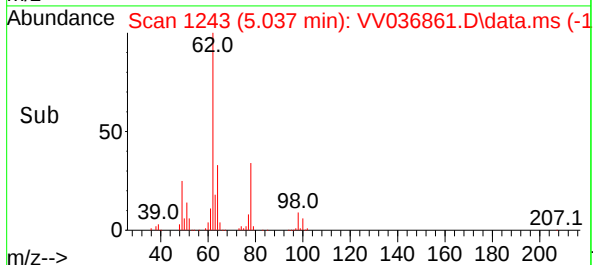
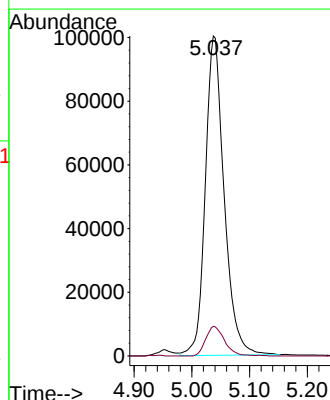
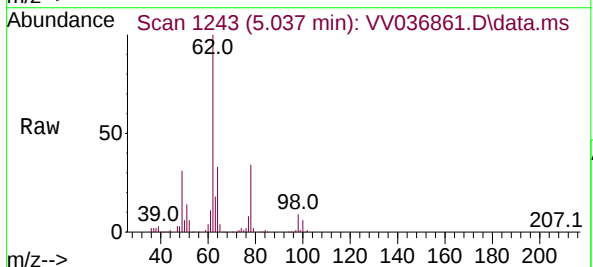
Acq: 08 Aug 2024 18:36

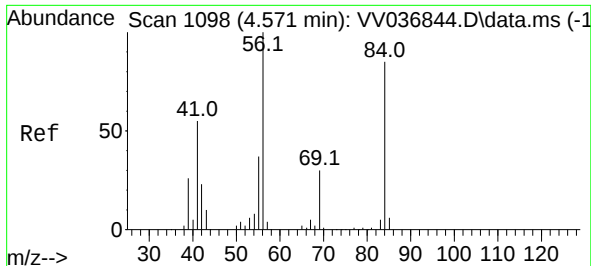
Tgt Ion: 62 Resp: 226829

Ion Ratio Lower Upper

62 100

98 9.3 7.5 11.3





#29

Cyclohexane

Concen: 51.543 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.003 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

Instrument :

MSVOA_V

ClientSampleId :

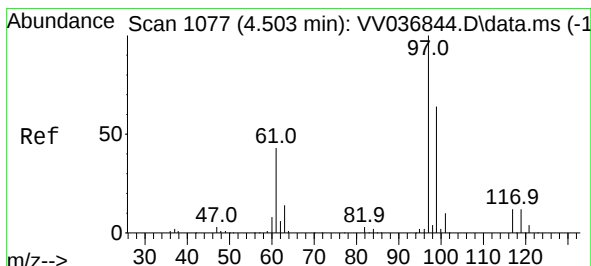
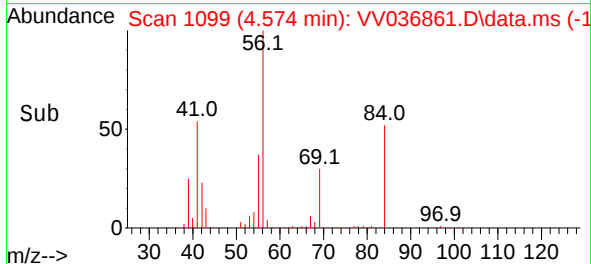
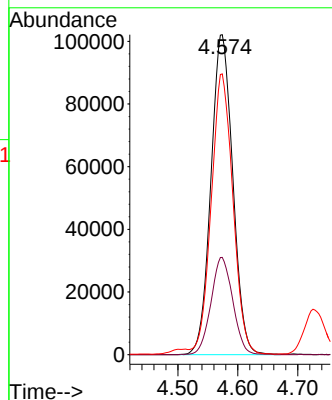
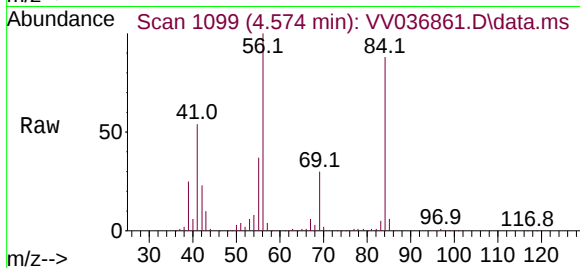
Tgt Ion: 56 Resp: 258699

Ion Ratio Lower Upper

56 100

69 30.2 24.7 37.1

84 86.9 68.5 102.7



#30

1,1,1-Trichloroethane

Concen: 50.270 ug/L

RT: 4.507 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

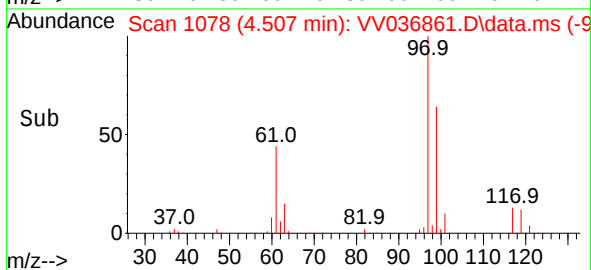
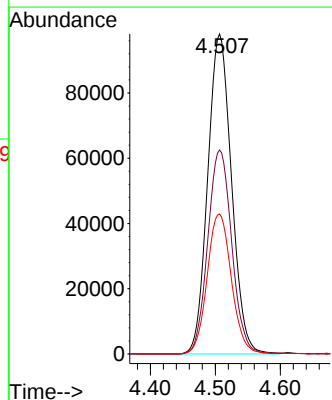
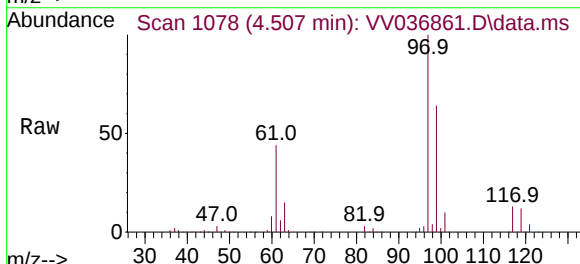
Tgt Ion: 97 Resp: 249487

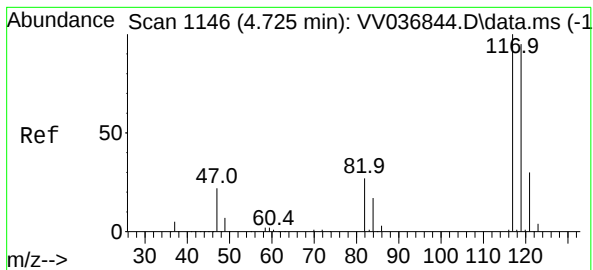
Ion Ratio Lower Upper

97 100

99 64.3 51.5 77.3

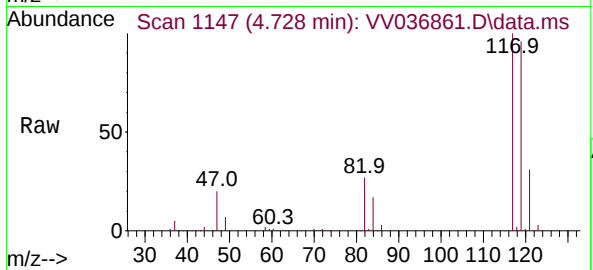
61 44.6 36.0 54.0



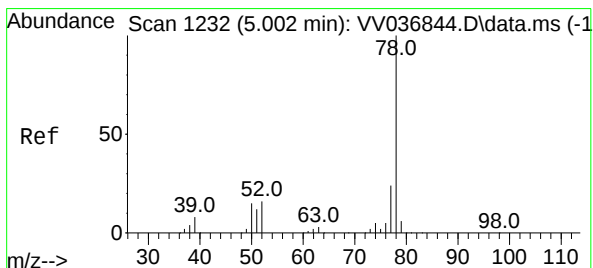
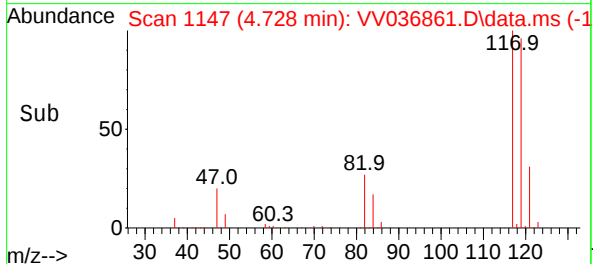
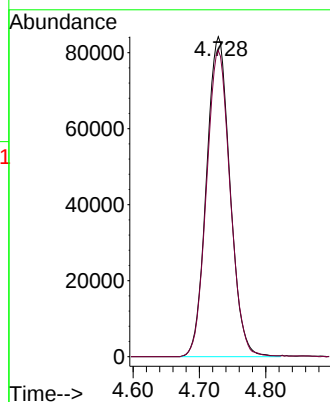


#31
Carbon tetrachloride
Concen: 49.760 ug/L
RT: 4.728 min Scan# 1146
Delta R.T. 0.003 min
Lab File: VV036861.D
Acq: 08 Aug 2024 18:36

Instrument :
MSVOA_V
ClientSampleId :

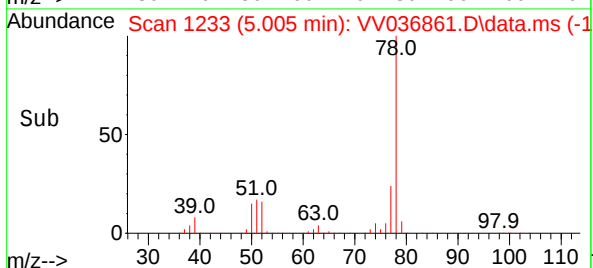
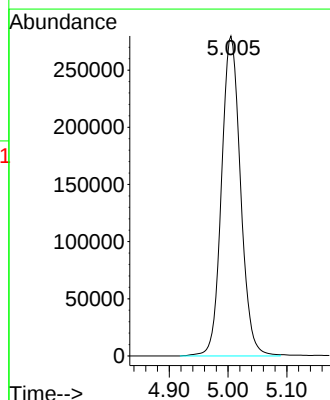
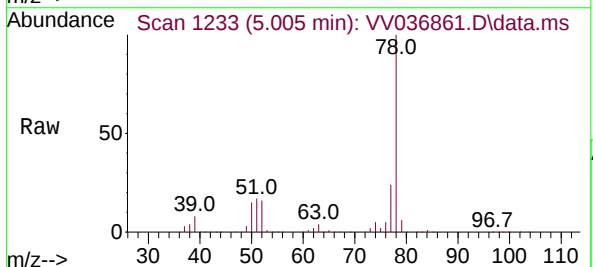


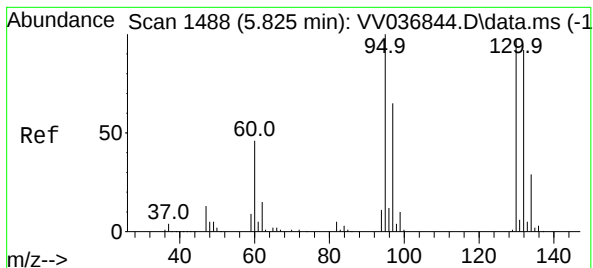
Tgt Ion:117 Resp: 207398
Ion Ratio Lower Upper
117 100
119 96.2 76.1 114.1



#33
Benzene
Concen: 53.360 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. 0.003 min
Lab File: VV036861.D
Acq: 08 Aug 2024 18:36

Tgt Ion: 78 Resp: 628709





#34

Trichloroethene

Concen: 49.691 ug/L

RT: 5.828 min Scan# 1488

Delta R.T. 0.003 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 169679

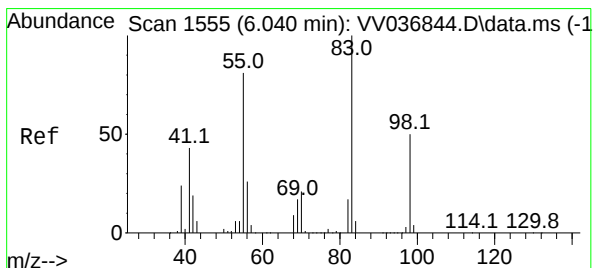
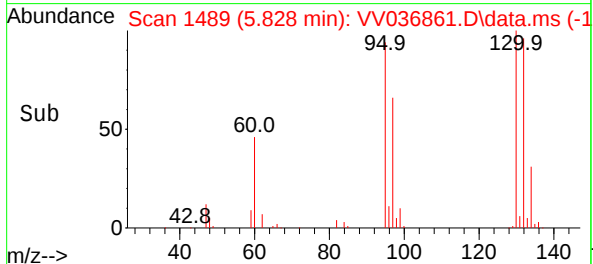
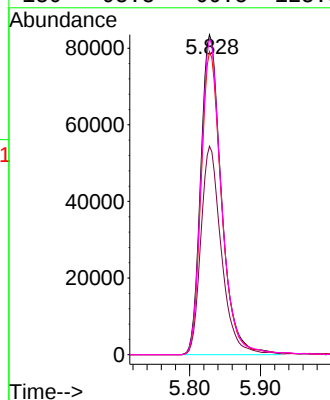
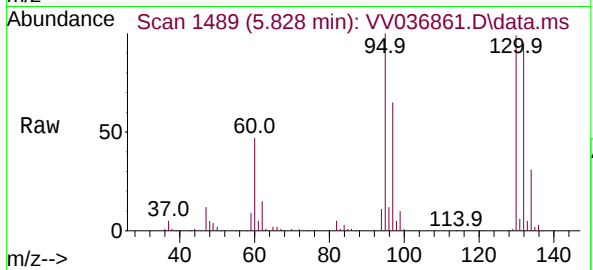
Ion Ratio Lower Upper

95 100

97 65.1 44.7 82.9

132 94.7 62.9 116.9

130 98.8 66.5 123.5



#35

Methylcyclohexane

Concen: 49.267 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.003 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

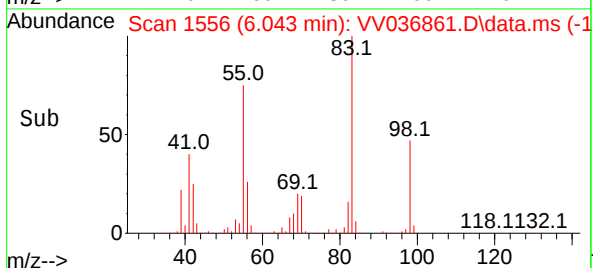
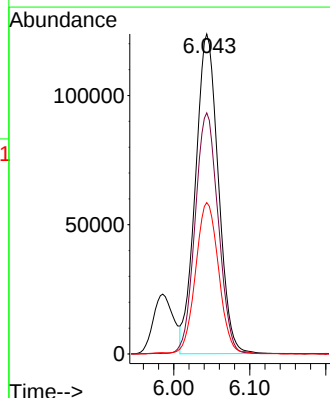
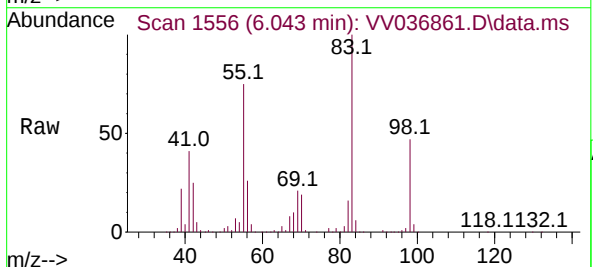
Tgt Ion: 83 Resp: 258152

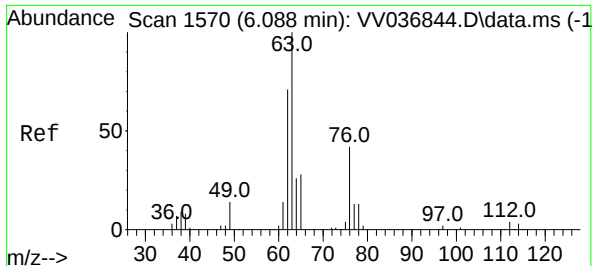
Ion Ratio Lower Upper

83 100

55 76.0 62.3 93.5

98 48.0 38.7 58.1





#37

1,2-Dichloropropane

Concen: 53.535 ug/L

RT: 6.088 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

Instrument :

MSVOA_V

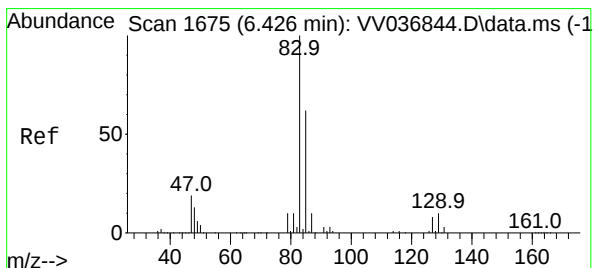
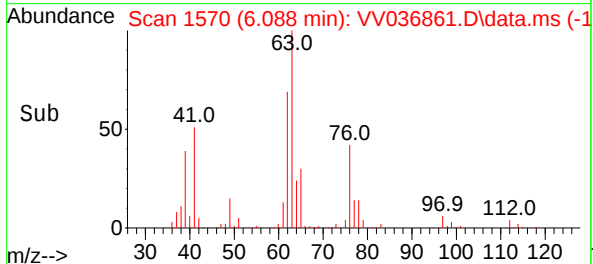
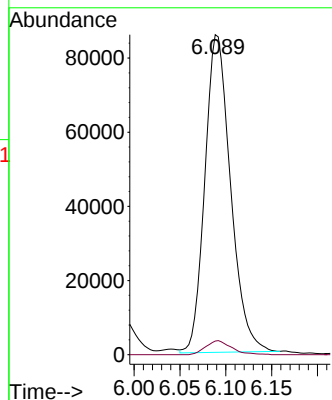
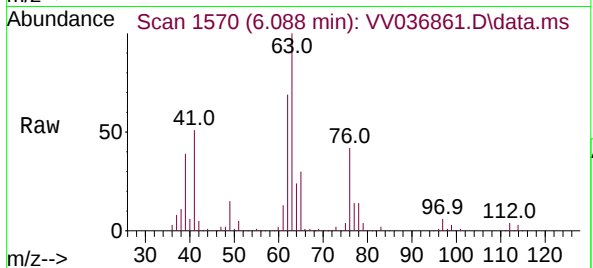
ClientSampleId :

Tgt Ion: 63 Resp: 167095

Ion Ratio Lower Upper

63 100

112 4.4 3.6 5.4



#38

Bromodichloromethane

Concen: 50.167 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.003 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

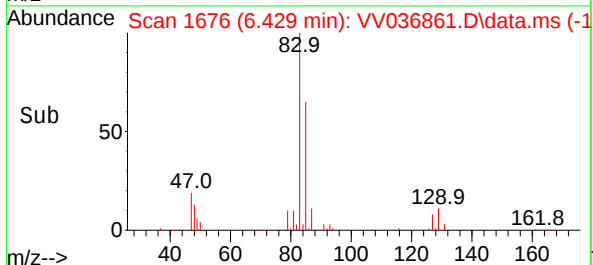
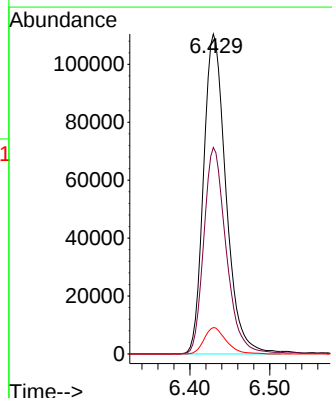
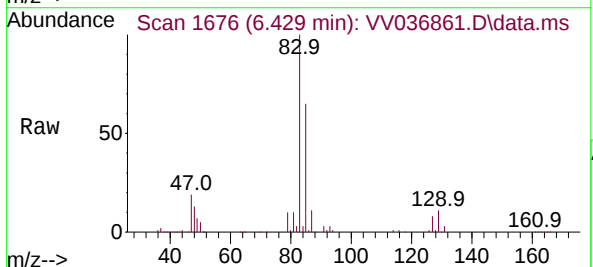
Tgt Ion: 83 Resp: 215624

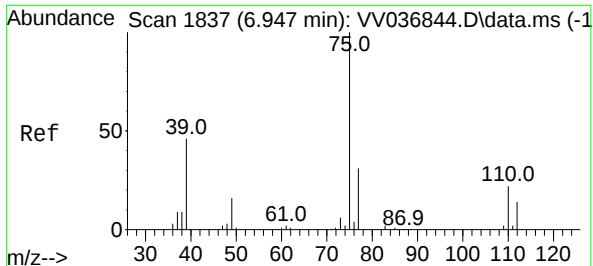
Ion Ratio Lower Upper

83 100

85 64.5 44.7 83.1

127 8.3 6.2 9.4

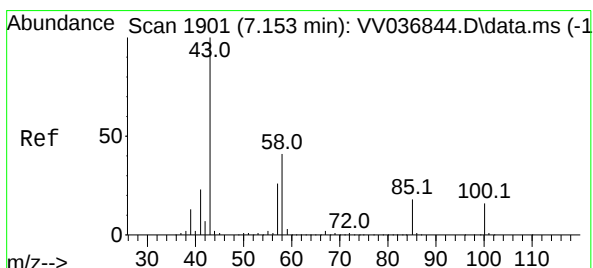
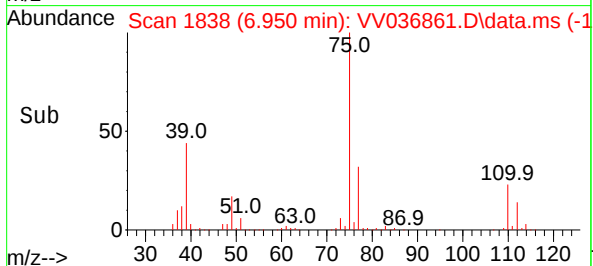
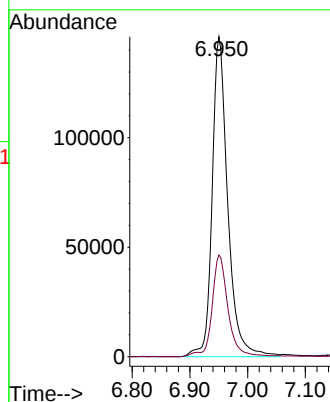
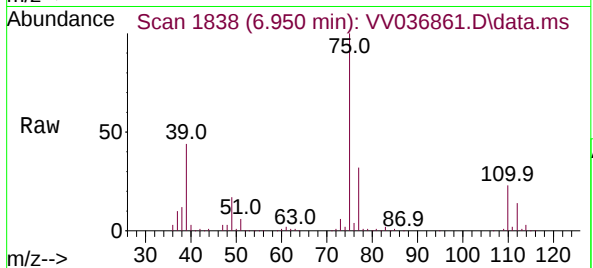




#39
 cis-1,3-Dichloropropene
 Concen: 51.323 ug/L
 RT: 6.950 min Scan# 1838
 Delta R.T. 0.003 min
 Lab File: VV036861.D
 Acq: 08 Aug 2024 18:36

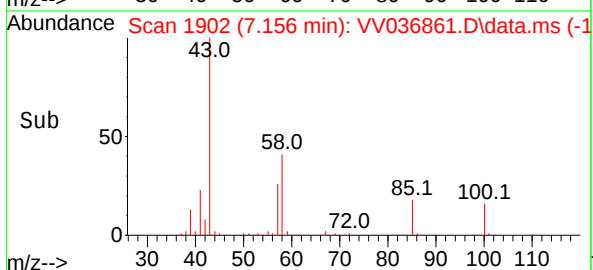
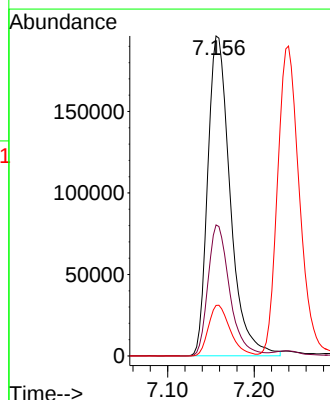
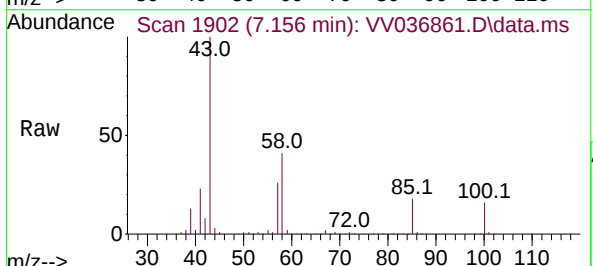
Instrument :
 MSVOA_V
 ClientSampleId :

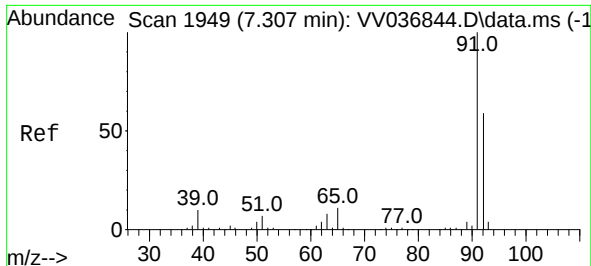
Tgt Ion: 75 Resp: 274349
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 91.554 ug/L
 RT: 7.156 min Scan# 1902
 Delta R.T. 0.003 min
 Lab File: VV036861.D
 Acq: 08 Aug 2024 18:36

Tgt Ion: 43 Resp: 353991
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.3 46.9
 100 15.4 12.6 18.8





#42

Toluene

Concen: 52.177 ug/L

RT: 7.310 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

Instrument :

MSVOA_V

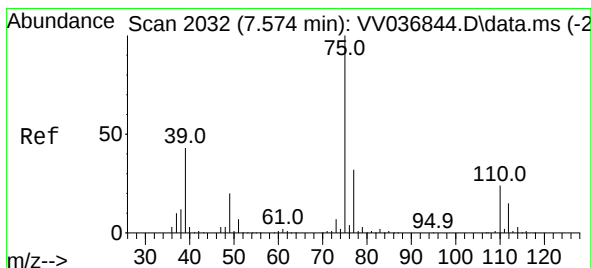
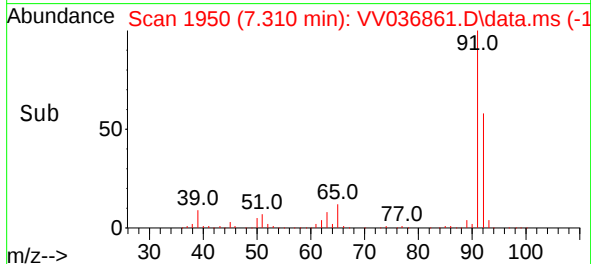
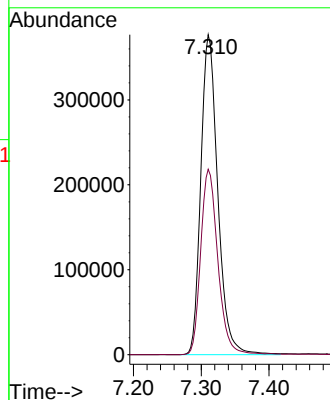
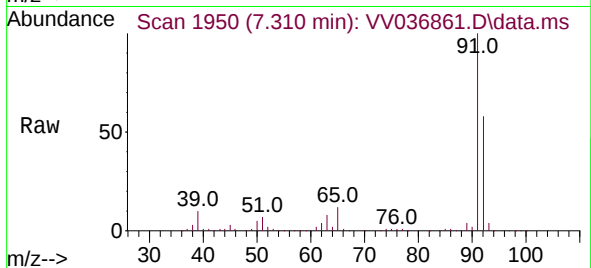
ClientSampleId :

Tgt Ion: 91 Resp: 654804

Ion Ratio Lower Upper

91 100

92 58.0 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 47.798 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.003 min

Lab File: VV036861.D

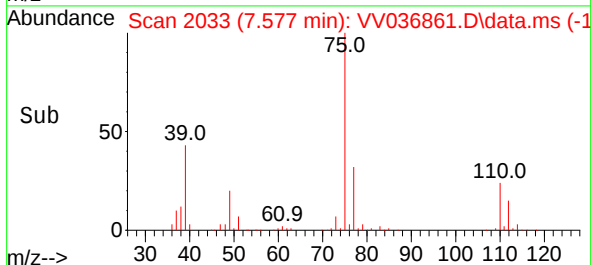
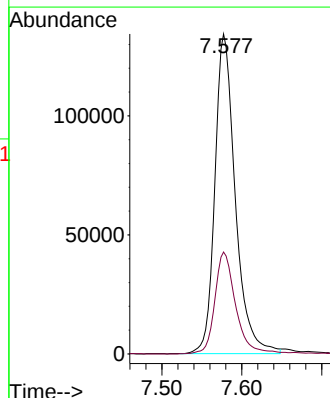
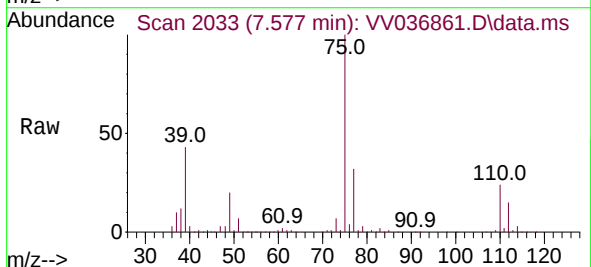
Acq: 08 Aug 2024 18:36

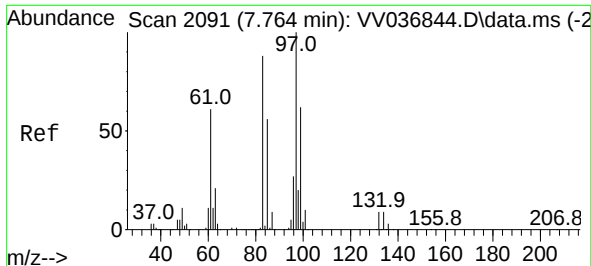
Tgt Ion: 75 Resp: 238090

Ion Ratio Lower Upper

75 100

77 31.8 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 51.700 ug/L

RT: 7.767 min Scan# 2091

Delta R.T. 0.003 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 156271

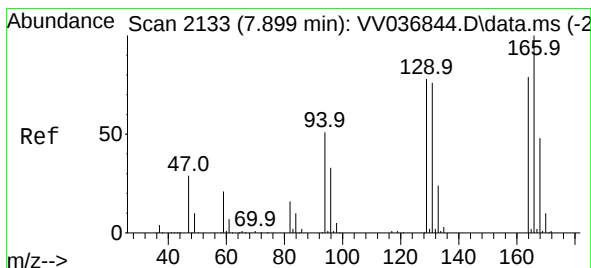
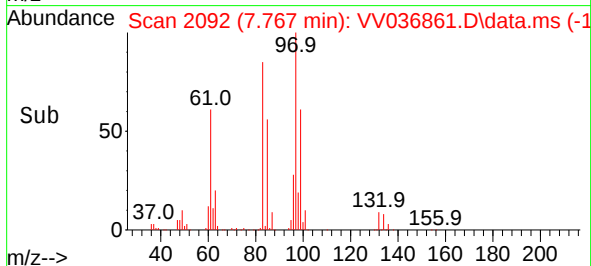
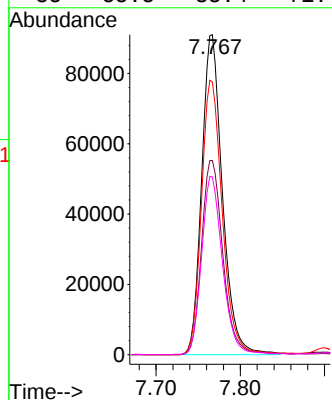
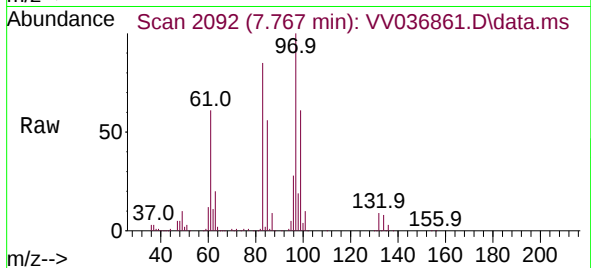
Ion Ratio Lower Upper

97 100

99 60.7 44.0 81.6

83 85.2 60.1 111.5

85 55.5 38.4 71.4



#46

Tetrachloroethene

Concen: 49.638 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.003 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

Tgt Ion: 164 Resp: 111179

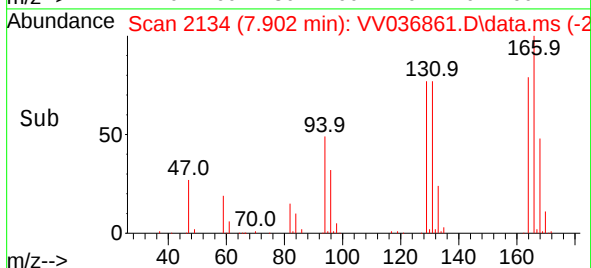
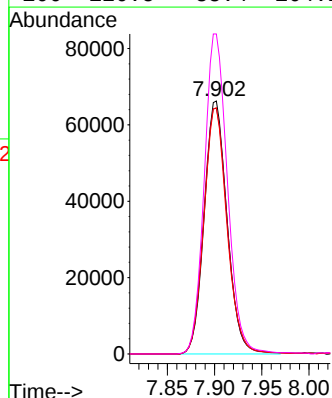
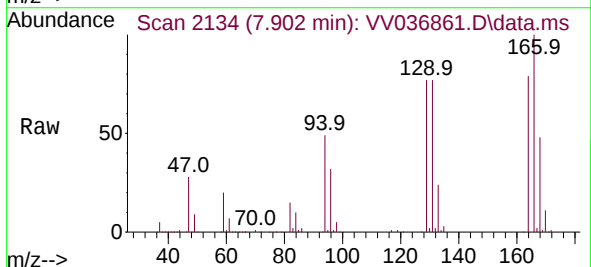
Ion Ratio Lower Upper

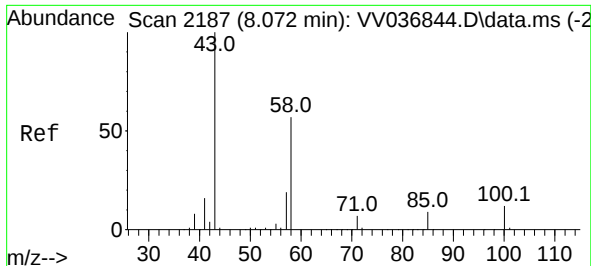
164 100

129 97.1 70.4 130.8

131 97.3 67.7 125.7

166 126.5 88.4 164.2





#48

2-Hexanone

Concen: 89.448 ug/L

RT: 8.076 min Scan# 2187

Delta R.T. 0.003 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 254431

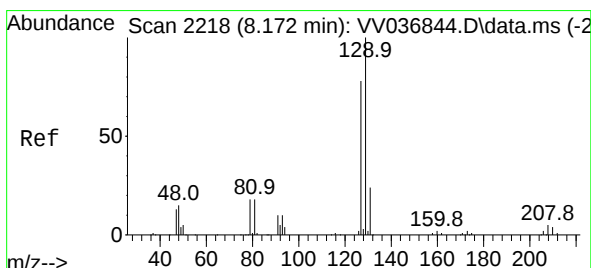
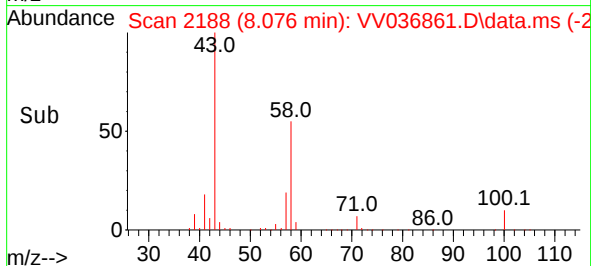
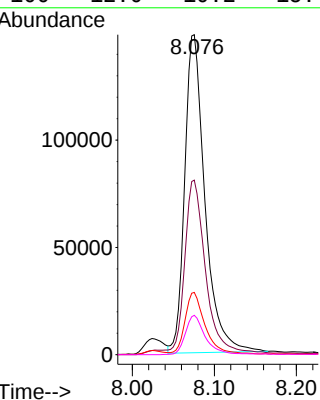
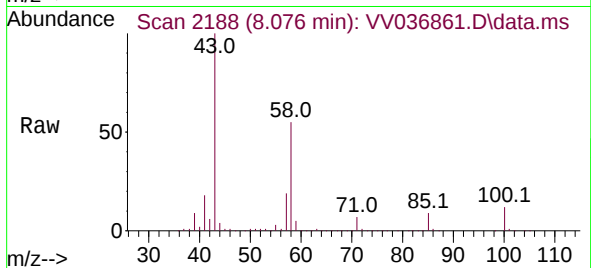
Ion Ratio Lower Upper

43 100

58 54.5 44.7 67.1

57 18.4 15.0 22.4

100 12.0 10.2 15.4



#49

Dibromochloromethane

Concen: 49.453 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.000 min

Lab File: VV036861.D

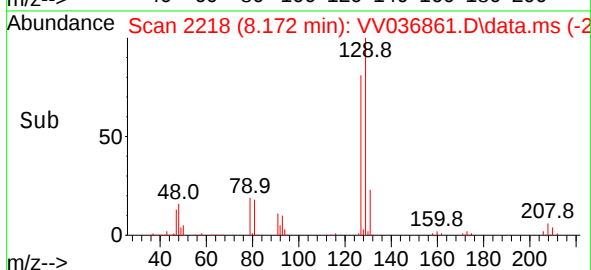
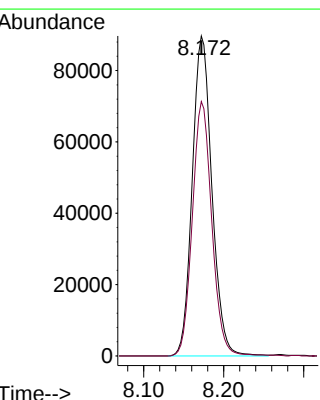
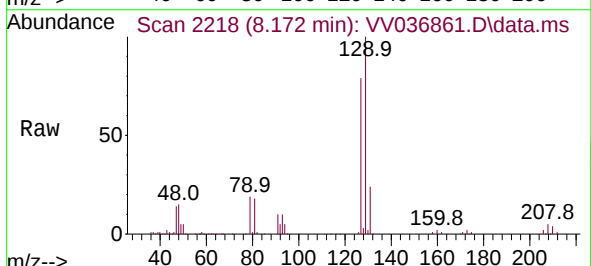
Acq: 08 Aug 2024 18:36

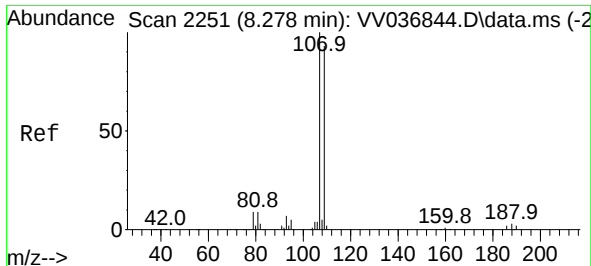
Tgt Ion:129 Resp: 153609

Ion Ratio Lower Upper

129 100

127 79.5 55.4 102.8





#50

1,2-Dibromoethane

Concen: 50.848 ug/L

RT: 8.278 min Scan# 2251

Delta R.T. 0.000 min

Lab File: VV036861.D

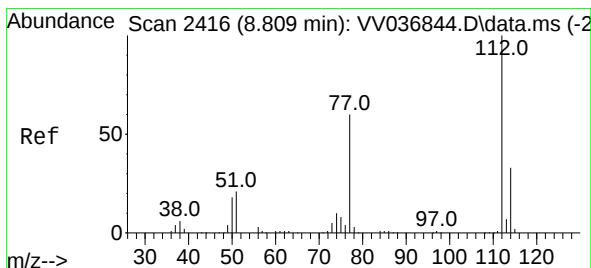
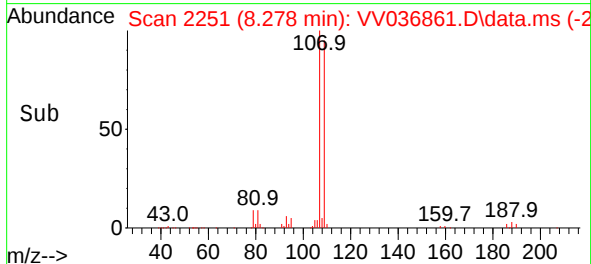
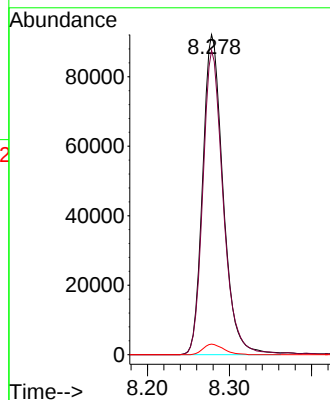
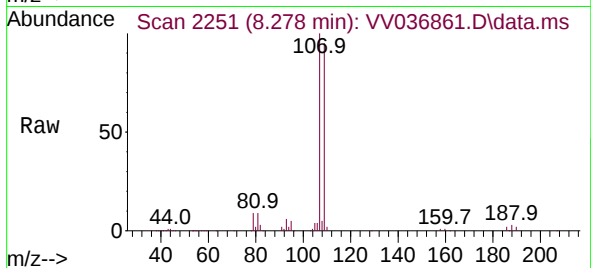
Acq: 08 Aug 2024 18:36

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	159467
Ion	Ratio	Lower	Upper
107	100		
109	95.1	64.7	120.1
188	3.3	2.6	3.8



#51

Chlorobenzene

Concen: 52.099 ug/L

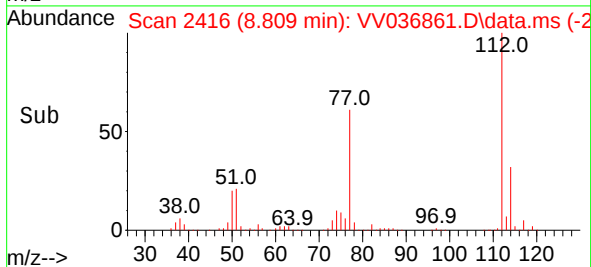
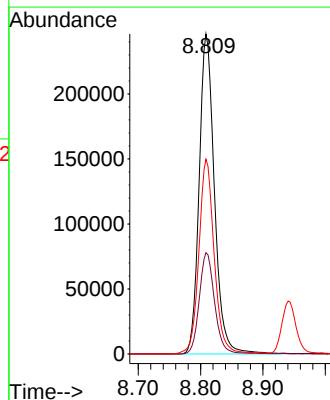
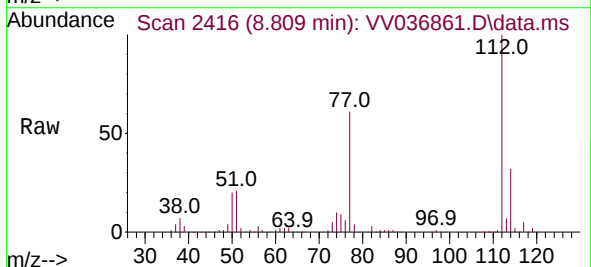
RT: 8.809 min Scan# 2416

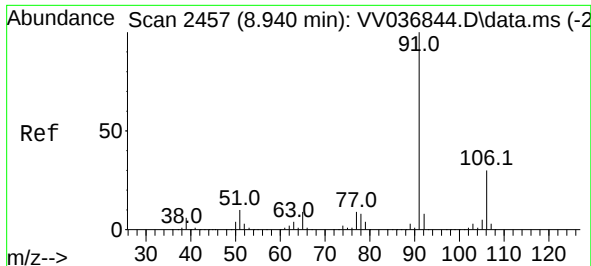
Delta R.T. 0.000 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

Tgt Ion:	112	Resp:	419518
Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.3	41.5
77	60.9	48.9	73.3





#52

Ethylbenzene

Concen: 51.743 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. 0.000 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

Instrument :

MSVOA_V

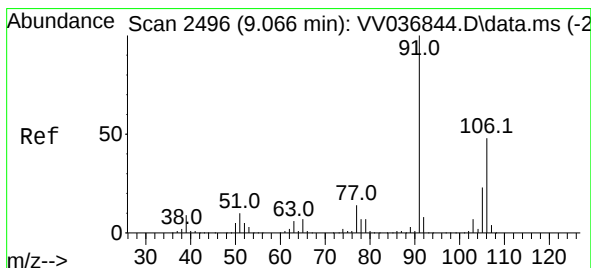
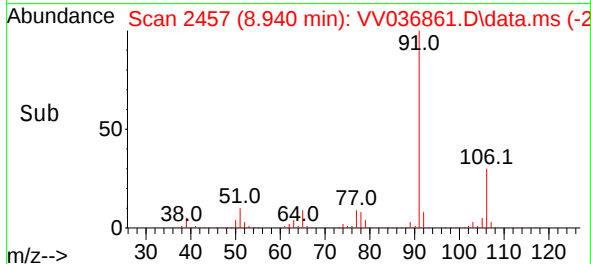
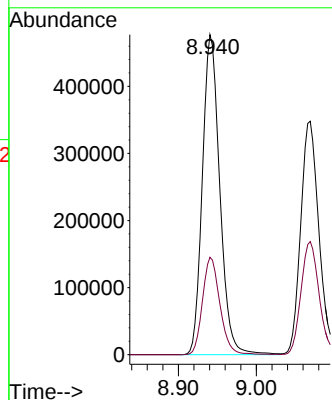
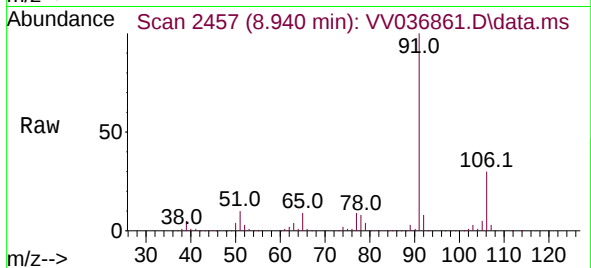
ClientSampleId :

Tgt Ion: 91 Resp: 741448

Ion Ratio Lower Upper

91 100

106 30.5 21.1 39.1



#53

m,p-Xylene

Concen: 50.925 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.003 min

Lab File: VV036861.D

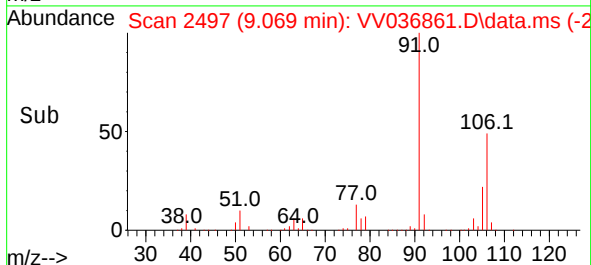
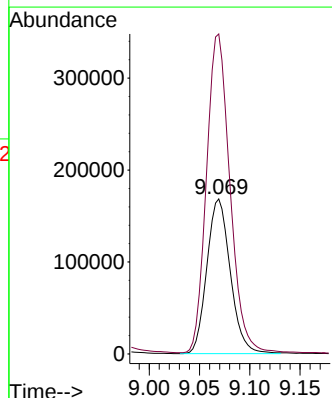
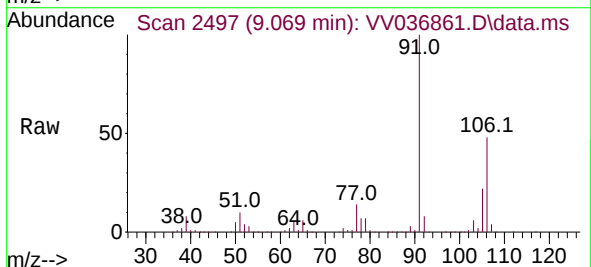
Acq: 08 Aug 2024 18:36

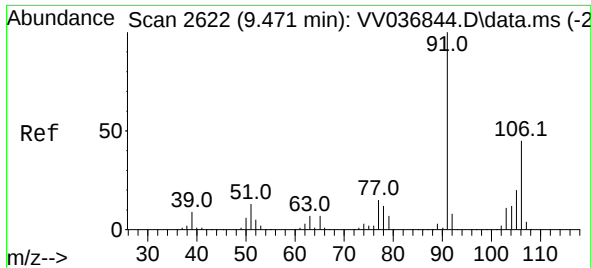
Tgt Ion:106 Resp: 272765

Ion Ratio Lower Upper

106 100

91 206.3 147.1 273.3

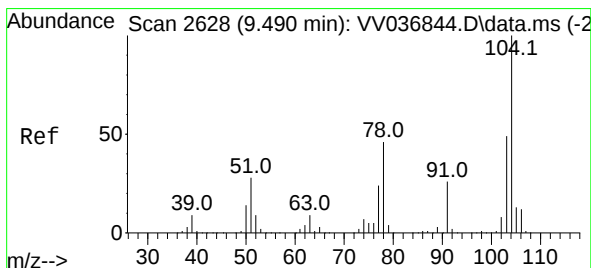
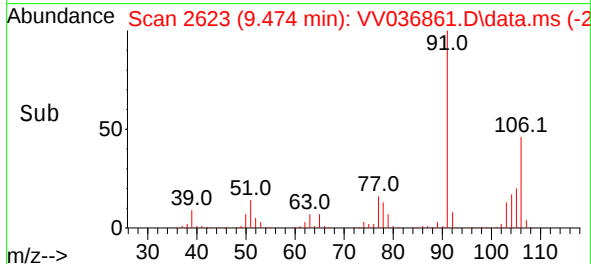
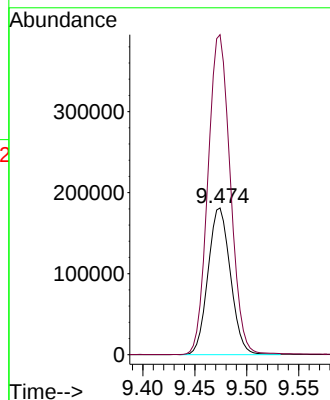
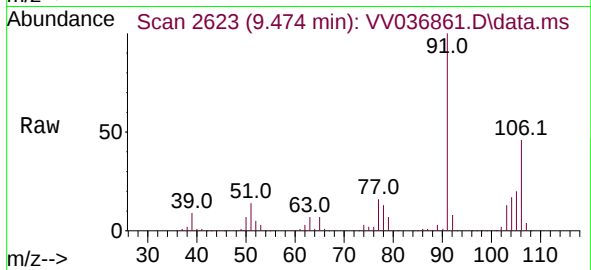




#54
o-Xylene
Concen: 51.772 ug/L
RT: 9.474 min Scan# 2622
Delta R.T. 0.003 min
Lab File: VV036861.D
Acq: 08 Aug 2024 18:36

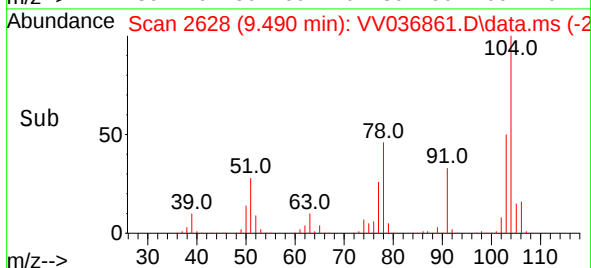
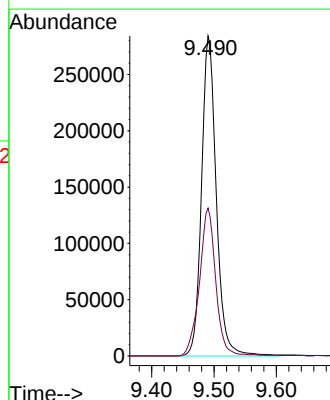
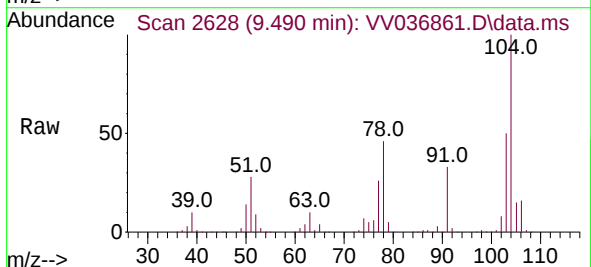
Instrument :
MSVOA_V
ClientSampleId :

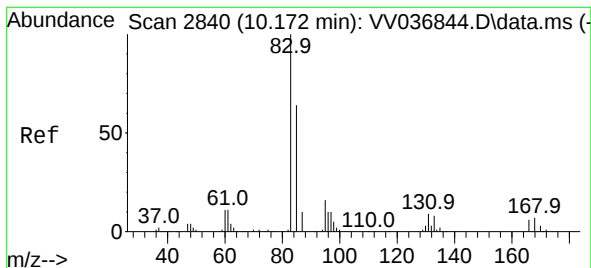
Tgt Ion:106 Resp: 271224
Ion Ratio Lower Upper
106 100
91 218.1 154.5 286.9



#55
Styrene
Concen: 52.128 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.000 min
Lab File: VV036861.D
Acq: 08 Aug 2024 18:36

Tgt Ion:104 Resp: 467994
Ion Ratio Lower Upper
104 100
78 46.2 32.1 59.7





#57

1,1,2,2-Tetrachloroethane

Concen: 51.729 ug/L

RT: 10.172 min Scan# 210979

Delta R.T. 0.000 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

Instrument :

MSVOA_V

ClientSampleId :

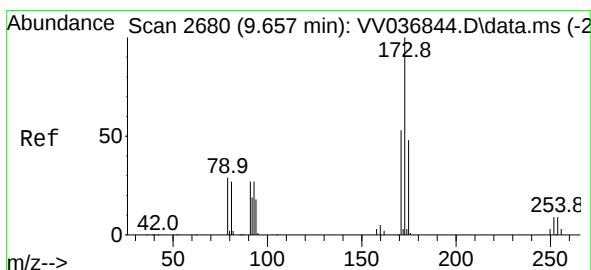
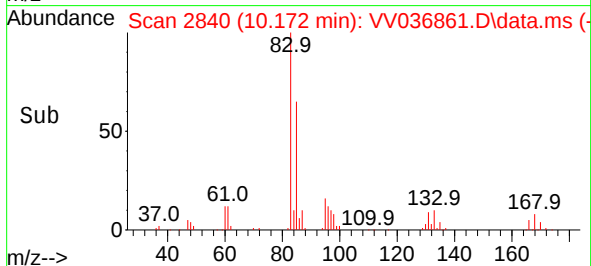
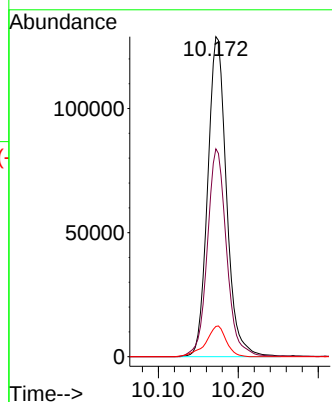
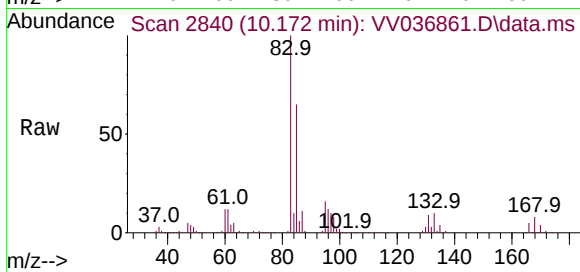
Tgt Ion: 83 Resp: 210979

Ion Ratio Lower Upper

83 100

85 64.9 44.7 83.1

131 9.5 7.2 10.8



#59

Bromoform

Concen: 46.182 ug/L

RT: 9.661 min Scan# 2681

Delta R.T. 0.003 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

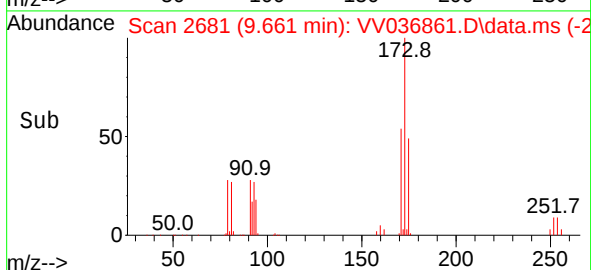
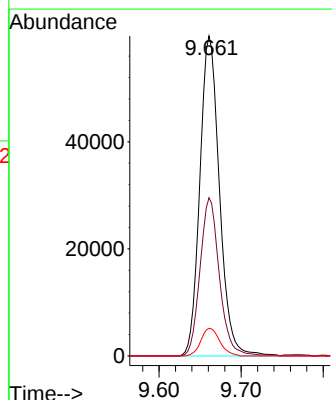
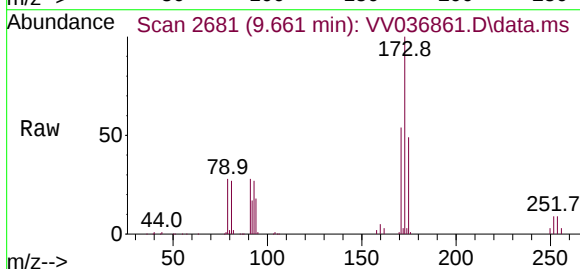
Tgt Ion: 173 Resp: 99232

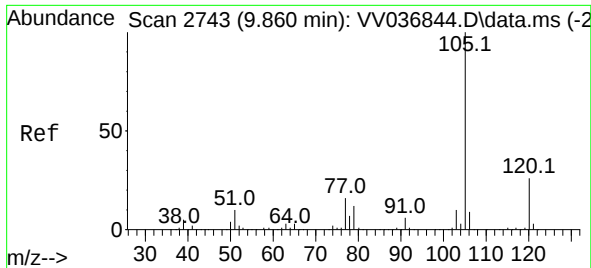
Ion Ratio Lower Upper

173 100

175 48.7 39.8 59.8

254 8.4 6.8 10.2

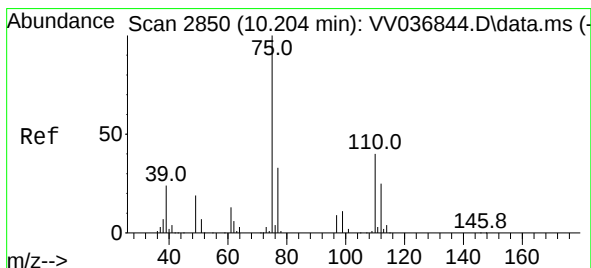
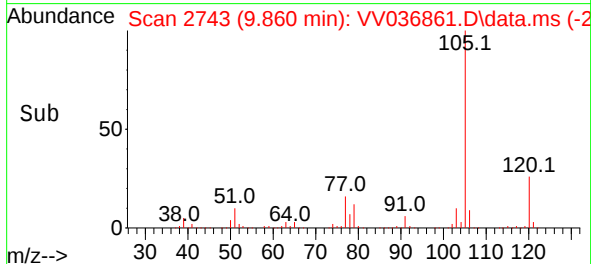
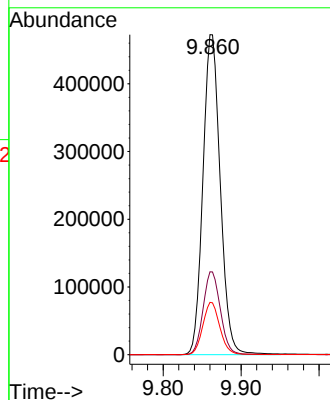
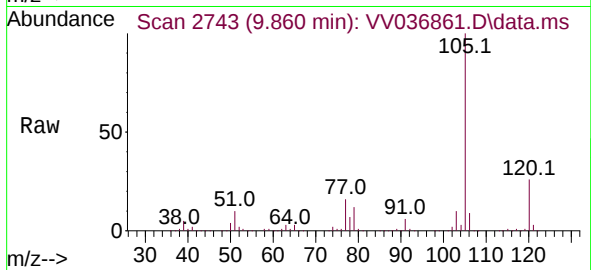




#60
Isopropylbenzene
Concen: 51.678 ug/L
RT: 9.860 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VV036861.D
Acq: 08 Aug 2024 18:36

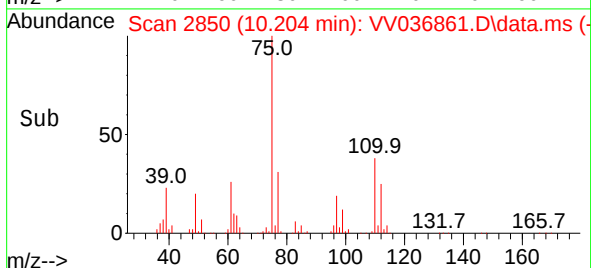
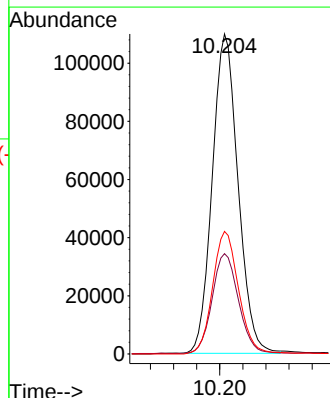
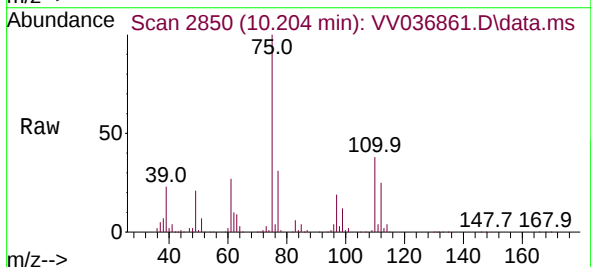
Instrument :
MSVOA_V
ClientSampleId :

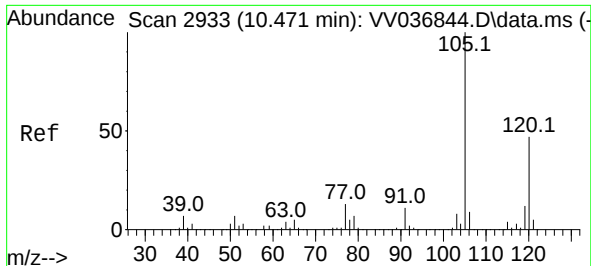
Tgt Ion:105 Resp: 730725
Ion Ratio Lower Upper
105 100
120 25.9 20.3 30.5
77 16.0 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 48.635 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. 0.000 min
Lab File: VV036861.D
Acq: 08 Aug 2024 18:36

Tgt Ion: 75 Resp: 170046
Ion Ratio Lower Upper
75 100
77 32.2 26.2 39.2
110 38.8 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 51.328 ug/L

RT: 10.471 min Scan# 20

Delta R.T. 0.000 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

Instrument :

MSVOA_V

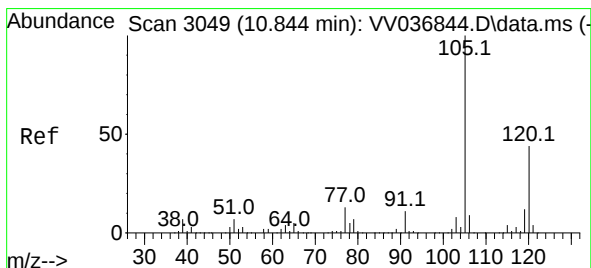
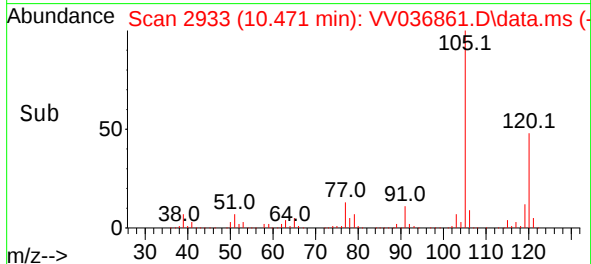
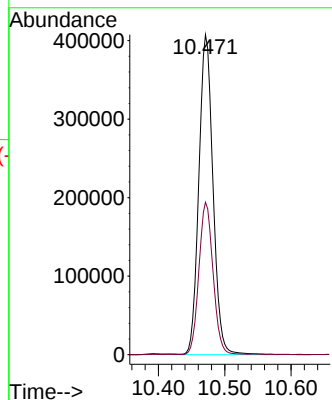
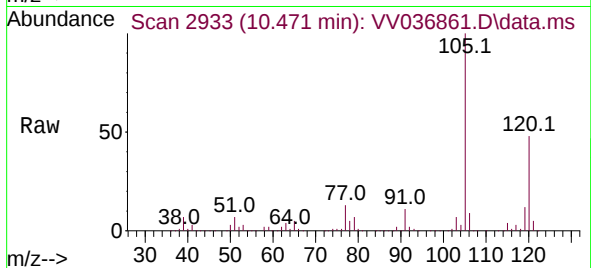
ClientSampleId :

Tgt Ion:105 Resp: 604245

Ion Ratio Lower Upper

105 100

120 47.6 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 50.499 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VV036861.D

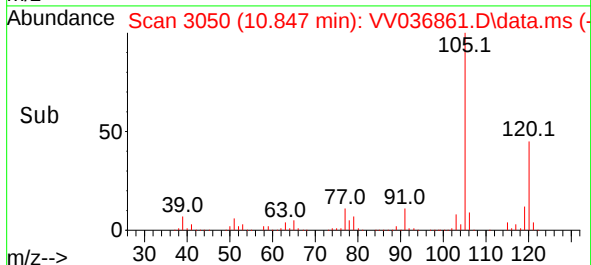
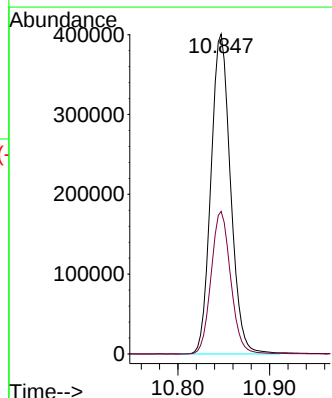
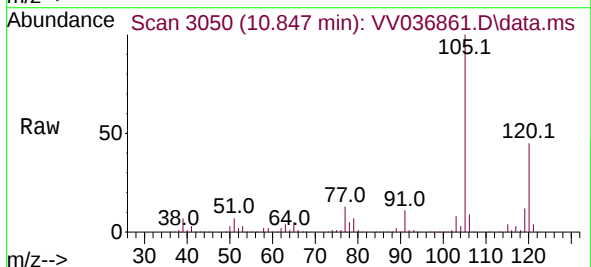
Acq: 08 Aug 2024 18:36

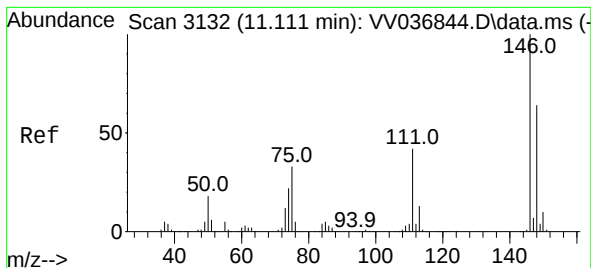
Tgt Ion:105 Resp: 595106

Ion Ratio Lower Upper

105 100

120 44.6 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 51.540 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. 0.000 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

Instrument :

MSVOA_V

ClientSampleId :

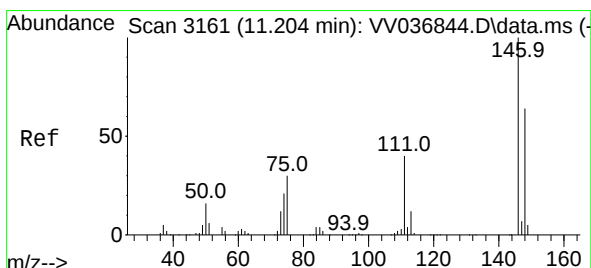
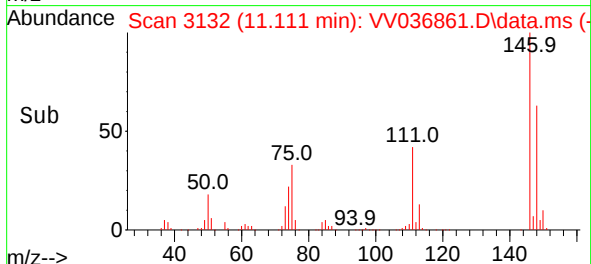
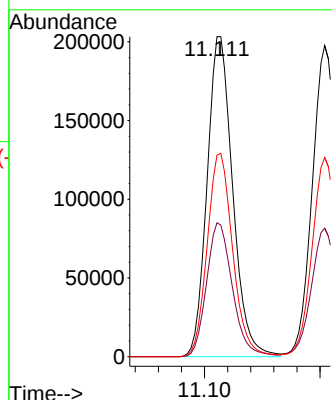
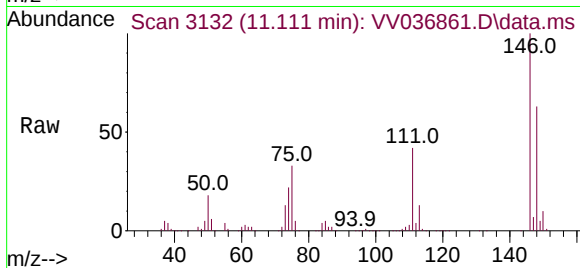
Tgt Ion:146 Resp: 313397

Ion Ratio Lower Upper

146 100

111 41.9 29.8 55.4

148 63.0 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 50.272 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

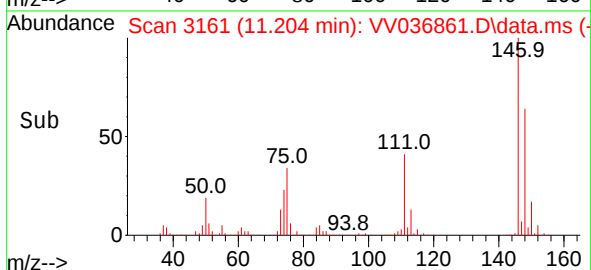
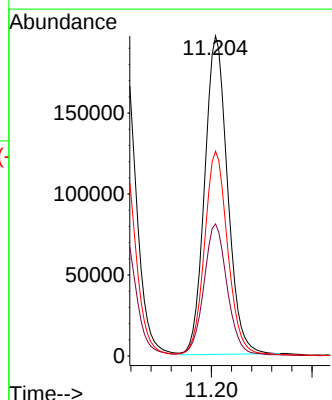
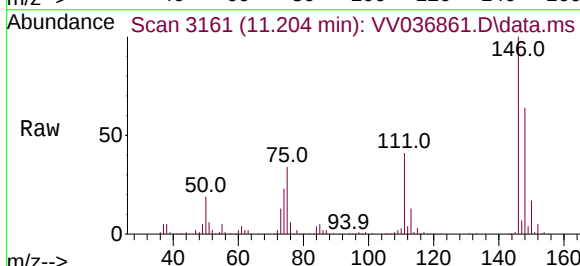
Tgt Ion:146 Resp: 310850

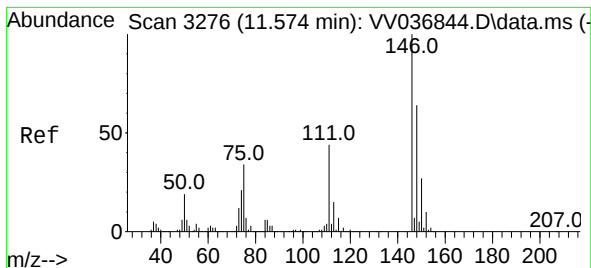
Ion Ratio Lower Upper

146 100

111 41.3 29.0 53.9

148 64.0 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 52.500 ug/L

RT: 11.574 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

Instrument :

MSVOA_V

ClientSampleId :

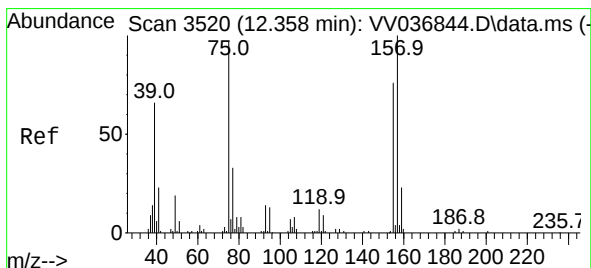
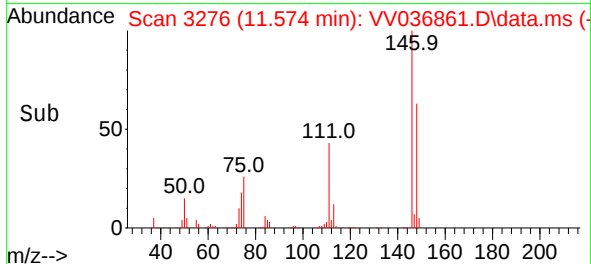
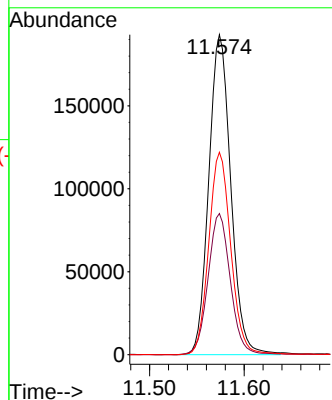
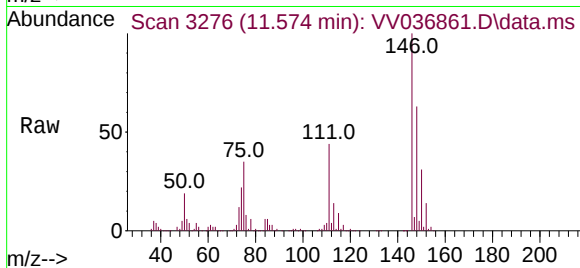
Tgt Ion:146 Resp: 311775

Ion Ratio Lower Upper

146 100

111 44.1 35.7 53.5

148 63.3 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 41.579 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. 0.000 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

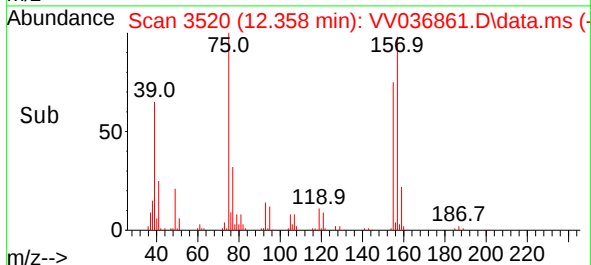
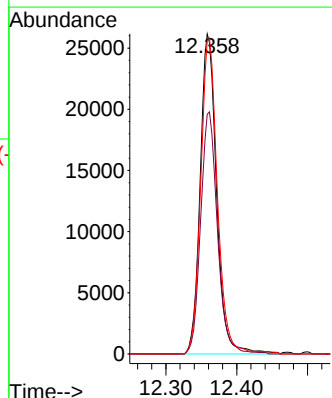
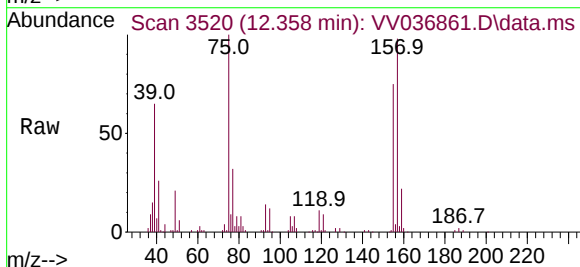
Tgt Ion: 75 Resp: 42011

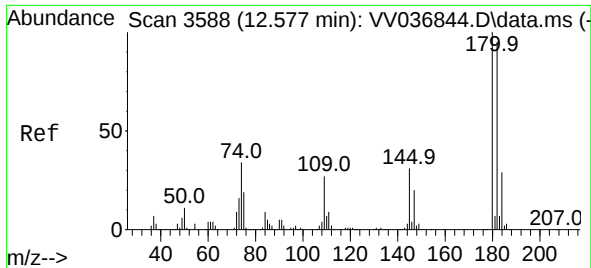
Ion Ratio Lower Upper

75 100

155 74.9 59.5 89.3

157 98.0 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 48.311 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.000 min

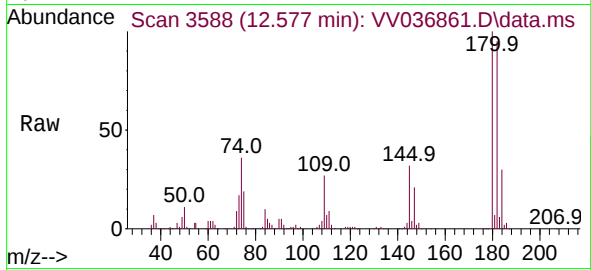
Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 208470

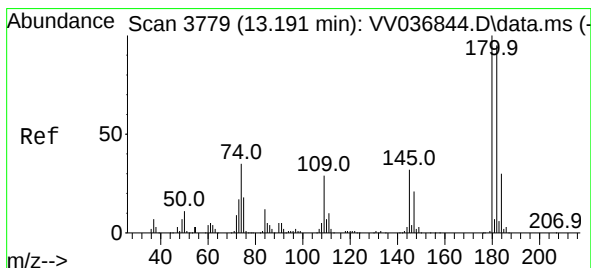
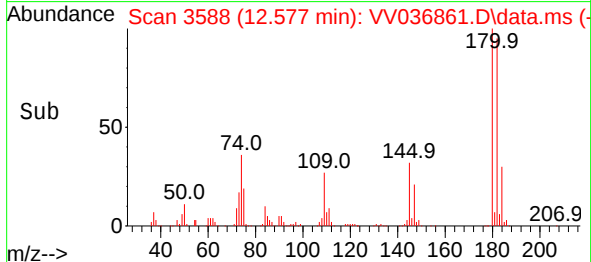
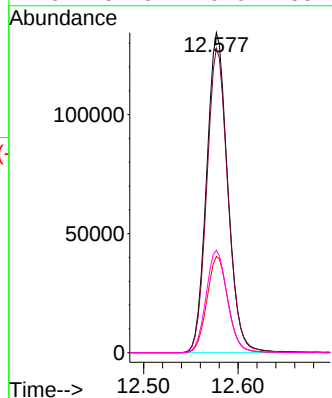
Ion Ratio Lower Upper

180 100

182 95.1 75.0 112.6

184 30.3 23.7 35.5

145 32.5 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 47.669 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.003 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

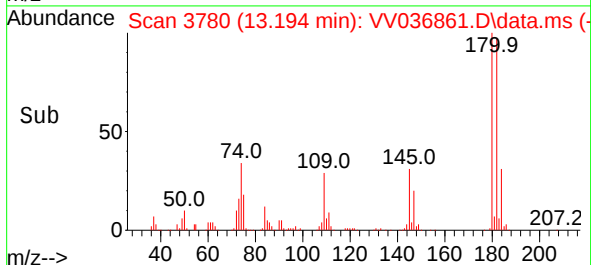
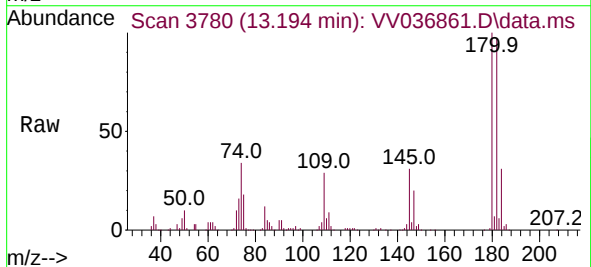
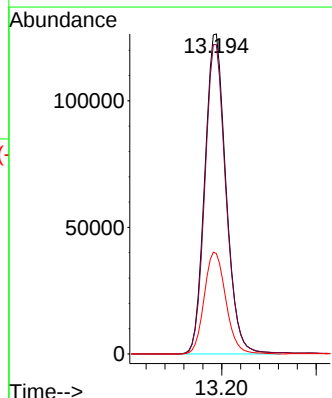
Tgt Ion:180 Resp: 197281

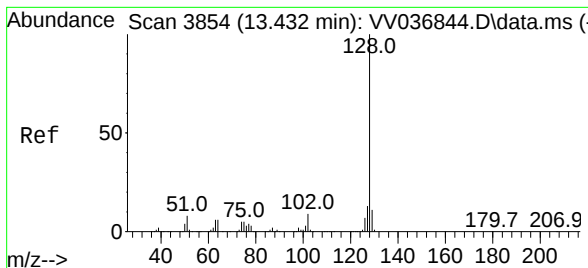
Ion Ratio Lower Upper

180 100

182 96.0 75.1 112.7

145 32.4 26.5 39.7





#71

Naphthalene

Concen: 44.232 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. 0.000 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

Instrument :

MSVOA_V

ClientSampleId :

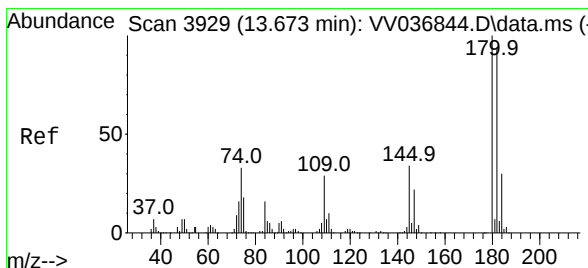
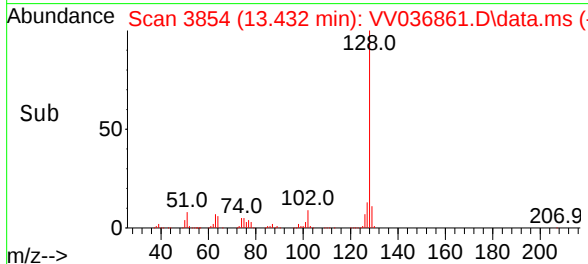
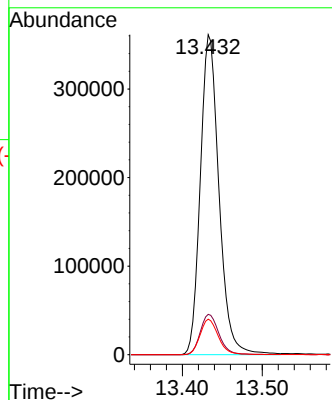
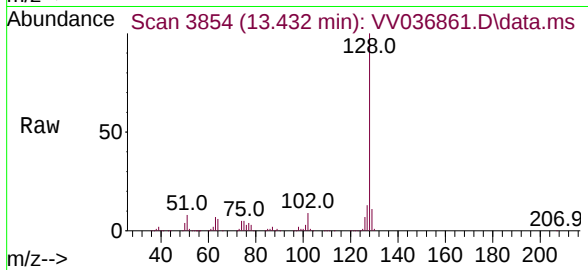
Tgt Ion:128 Resp: 587026

Ion Ratio Lower Upper

128 100

127 12.7 10.5 15.7

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 49.080 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. 0.000 min

Lab File: VV036861.D

Acq: 08 Aug 2024 18:36

Tgt Ion:180 Resp: 198831

Ion Ratio Lower Upper

180 100

182 93.5 76.2 114.2

145 34.3 27.8 41.6

