

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080824\
 Data File : VV036862.D
 Acq On : 08 Aug 2024 18:57
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 09 02:46:24 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	411769	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	393228	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	190927	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	139151	42.310	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.620%
7) Chloroethane-d5	1.532	69	121811	46.966	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.940%
11) 1,1-Dichloroethene-d2	2.060	65	59634	42.390	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.780%
21) 2-Butanone-d5	3.796	46	164344	94.313	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.310%
24) Chloroform-d	4.246	84	299787	50.794	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.580%
26) 1,2-Dichloroethane-d4	4.937	65	186048	49.028	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.060%
32) Benzene-d6	4.953	84	562920	47.396	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	5.986	67	190859	49.811	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.620%
41) Toluene-d8	7.240	98	496651	45.586	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.180%
43) trans-1,3-Dichloroprop...	7.551	79	87927	44.093	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.180%
47) 2-Hexanone-d5	8.024	63	105747	95.984	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.980%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	226785	51.547	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.100%
66) 1,2-Dichlorobenzene-d4	11.554	152	197454	50.752	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	175040	53.313	ug/L	98
3) Chloromethane	1.217	50	182245	53.040	ug/L	100
5) Vinyl chloride	1.282	62	186400	52.826	ug/L	99
6) Bromomethane	1.487	94	112781	50.765	ug/L	98
8) Chloroethane	1.548	64	115606	52.892	ug/L	99
9) Trichlorofluoromethane	1.712	101	243249	52.629	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	138380	50.811	ug/L	99
12) 1,1-Dichloroethene	2.069	96	133719	51.409	ug/L	97
13) Acetone	2.111	43	105552	72.398	ug/L	99
14) Carbon disulfide	2.240	76	386329	47.282	ug/L	100
15) Methyl Acetate	2.372	43	122804	40.888	ug/L	99
16) Methylene chloride	2.446	84	153637	52.540	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	141938	52.681	ug/L	98
18) Methyl tert-butyl Ether	2.706	73	472188	49.761	ug/L	100
19) 1,1-Dichloroethane	3.105	63	288432	52.987	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	165961	52.480	ug/L	98
22) 2-Butanone	3.876	43	166253	85.122	ug/L	99
23) Bromochloromethane	4.140	128	80679	52.521	ug/L	97
25) Chloroform	4.272	83	294199	52.621	ug/L	99

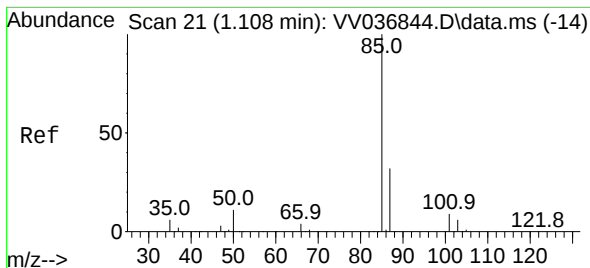
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 QLast Update : Fri Aug 09 02:41:02 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	224966	51.012	ug/L	99
29) Cyclohexane	4.574	56	255176	50.931	ug/L	98
30) 1,1,1-Trichloroethane	4.507	97	247246	49.907	ug/L	100
31) Carbon tetrachloride	4.728	117	208414	50.092	ug/L	100
33) Benzene	5.005	78	624529	53.100	ug/L	100
34) Trichloroethene	5.828	95	167941	49.269	ug/L	99
35) Methylcyclohexane	6.043	83	252502	48.274	ug/L	99
37) 1,2-Dichloropropane	6.092	63	166023	53.286	ug/L	99
38) Bromodichloromethane	6.429	83	216898	50.552	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	273392	51.235	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	361432	93.645	ug/L	100
42) Toluene	7.310	91	655699	52.341	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	236454	47.554	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	153762	50.960	ug/L	99
46) Tetrachloroethene	7.902	164	110313	49.338	ug/L	98
48) 2-Hexanone	8.076	43	255693	90.051	ug/L	98
49) Dibromochloromethane	8.172	129	154890	49.953	ug/L	98
50) 1,2-Dibromoethane	8.278	107	159042	50.803	ug/L	98
51) Chlorobenzene	8.809	112	413543	51.448	ug/L	100
52) Ethylbenzene	8.940	91	736367	51.480	ug/L	99
53) m,p-Xylene	9.069	106	270906	50.667	ug/L	97
54) o-Xylene	9.474	106	267227	51.100	ug/L	99
55) Styrene	9.490	104	464778	51.862	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	212047	52.083	ug/L	98
59) Bromoform	9.661	173	100680	47.666	ug/L	98
60) Isopropylbenzene	9.863	105	725442	52.190	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	171925	50.022	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	593916	51.322	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	593540	51.237	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	310132	51.885	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	316582	52.084	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	312965	53.611	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	43068	43.362	ug/L	96
69) 1,3,5-Trichlorobenzene	12.577	180	209484	49.385	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	202148	49.689	ug/L	99
71) Naphthalene	13.432	128	633523	48.560	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	199811	50.174	ug/L	100

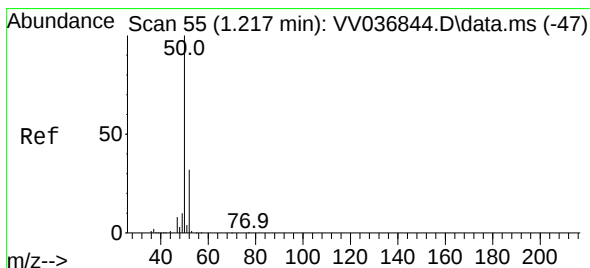
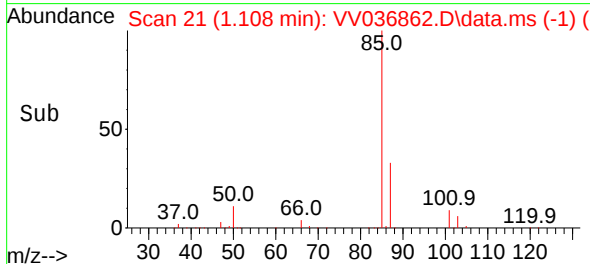
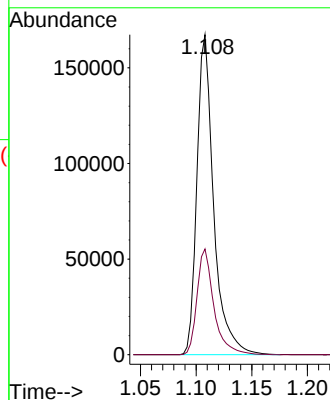
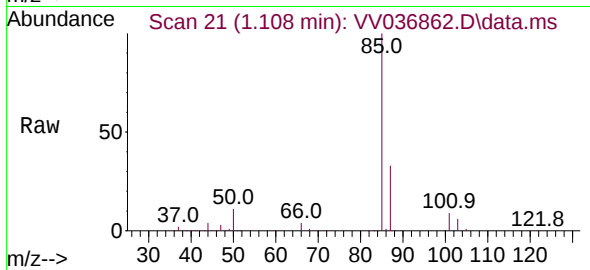
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 53.313 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV036862.D
 Acq: 08 Aug 2024 18:57

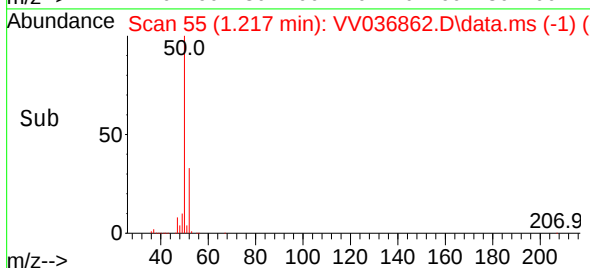
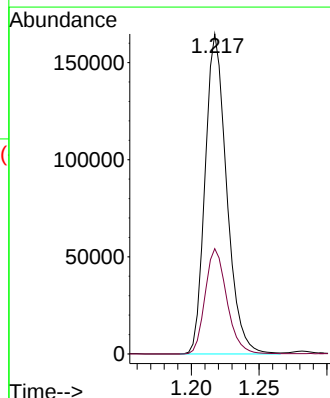
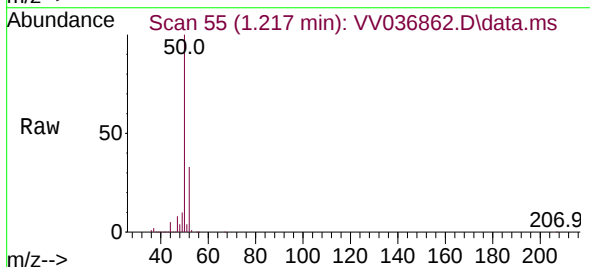
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 MSVOA_V
 ClientSampleId :

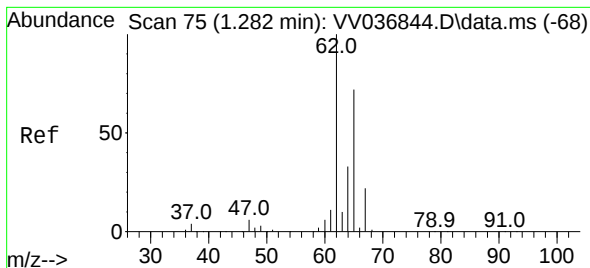
Tgt Ion: 85 Resp: 175040
 Ion Ratio Lower Upper
 85 100
 87 33.3 25.9 38.9



#3
 Chloromethane
 Concen: 53.040 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV036862.D
 Acq: 08 Aug 2024 18:57

Tgt Ion: 50 Resp: 182245
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.0 42.8





#5

Vinyl chloride

Concen: 52.826 ug/L

RT: 1.282 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV036862.D

Acq: 08 Aug 2024 18:57

Instrument :

MSVOA_V

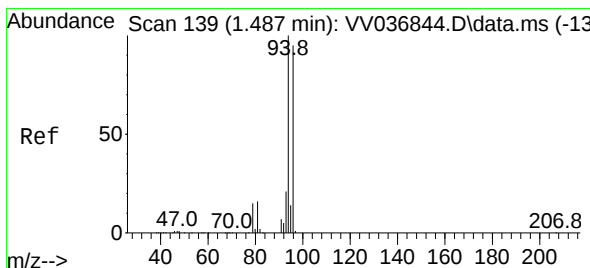
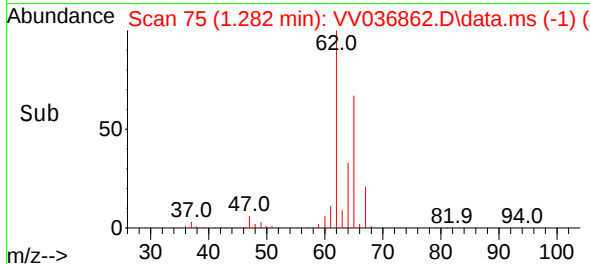
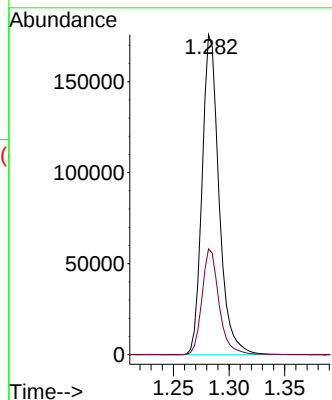
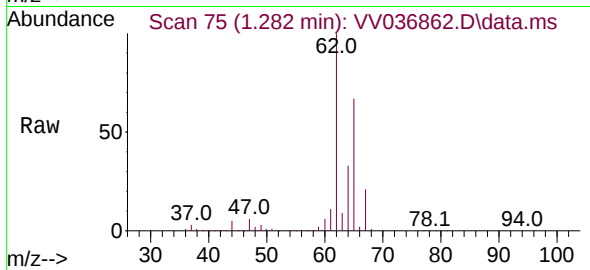
ClientSampleId :

Tgt Ion: 62 Resp: 186400

Ion Ratio Lower Upper

62 100

64 33.0 23.6 43.8



#6

Bromomethane

Concen: 50.765 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.000 min

Lab File: VV036862.D

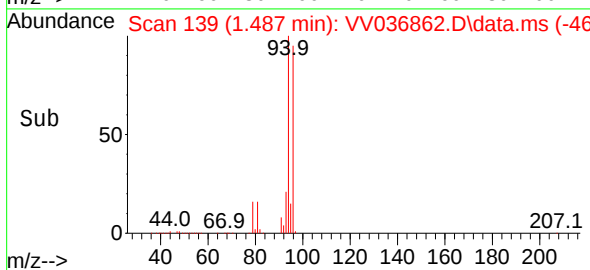
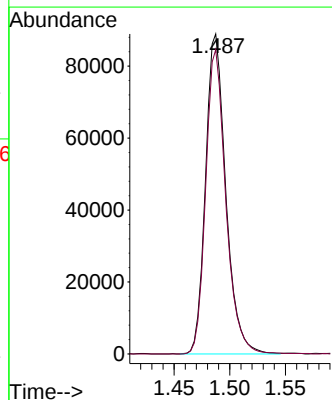
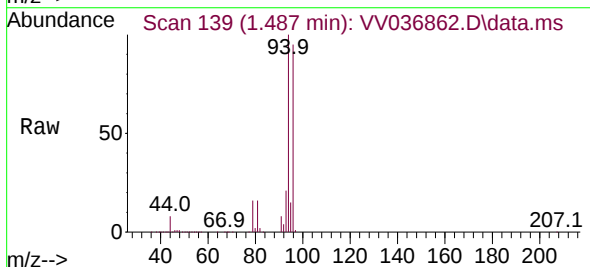
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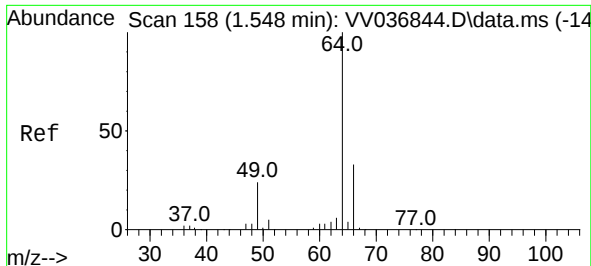
Tgt Ion: 94 Resp: 112781

Ion Ratio Lower Upper

94 100

96 95.1 65.5 121.7

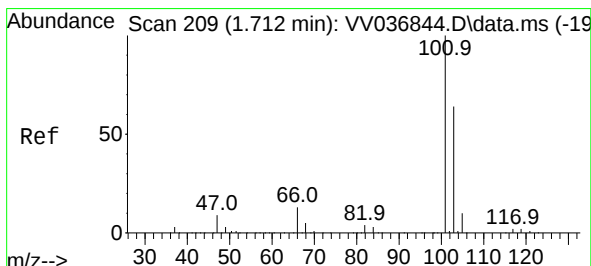
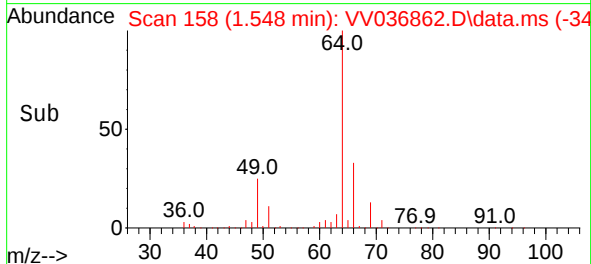
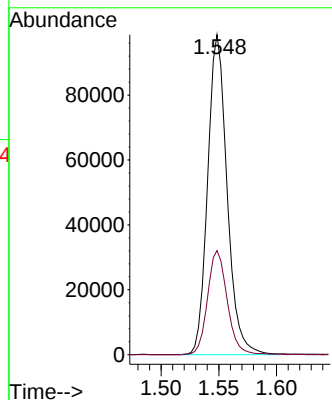
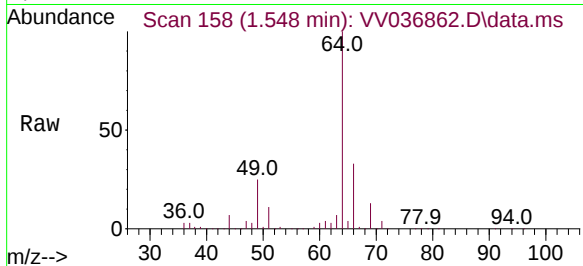




#8
Chloroethane
Concen: 52.892 ug/L
RT: 1.548 min Scan# 158
Delta R.T. 0.000 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

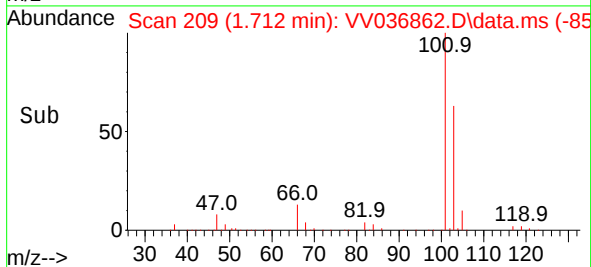
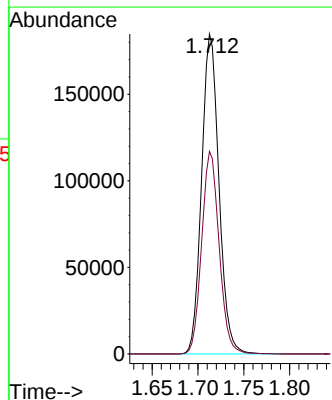
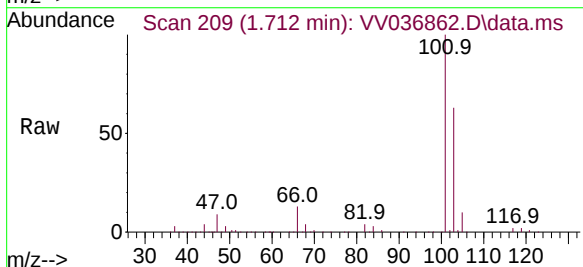
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MSVOA_V
ClientSampleId :

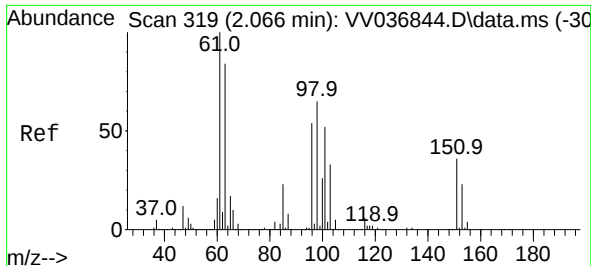
Tgt Ion: 64 Resp: 115606
Ion Ratio Lower Upper
64 100
66 32.6 23.2 43.0



#9
Trichlorofluoromethane
Concen: 52.629 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

Tgt Ion:101 Resp: 243249
Ion Ratio Lower Upper
101 100
103 63.7 51.4 77.0

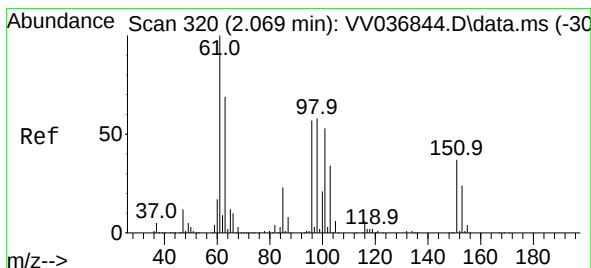
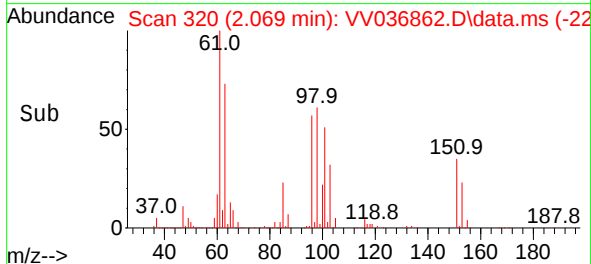
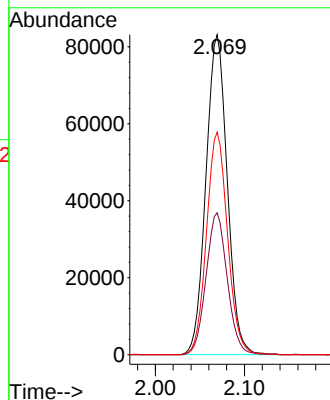
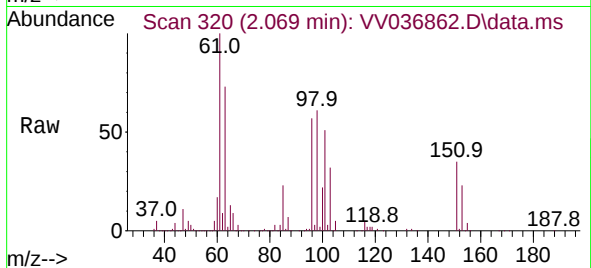




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 50.811 ug/L
RT: 2.069 min Scan# 319
Delta R.T. 0.003 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

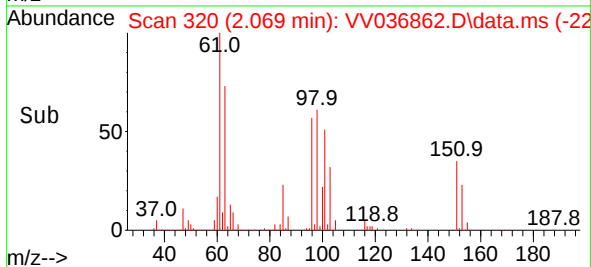
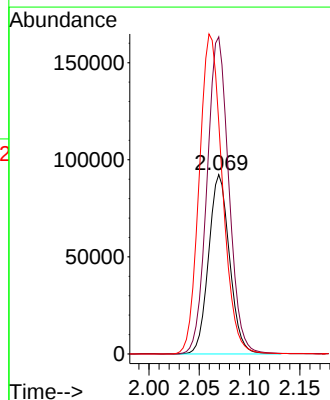
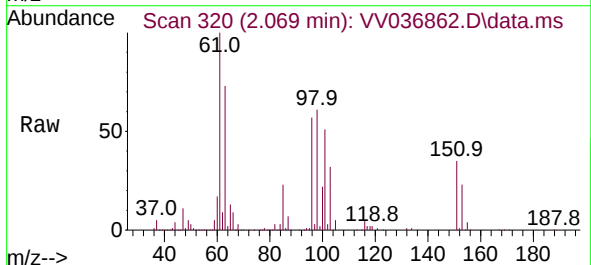
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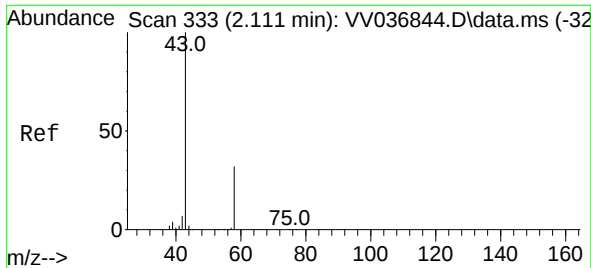
Tgt Ion:101 Resp: 138380
Ion Ratio Lower Upper
101 100
85 44.1 34.6 51.8
151 68.7 55.9 83.9



#12
1,1-Dichloroethene
Concen: 51.409 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.000 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

Tgt Ion: 96 Resp: 133719
Ion Ratio Lower Upper
96 100
61 176.8 125.6 233.2
63 129.1 95.1 176.7





#13

Acetone

Concen: 72.398 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.000 min

Lab File: VV036862.D

Acq: 08 Aug 2024 18:57

Instrument :

MSVOA_V

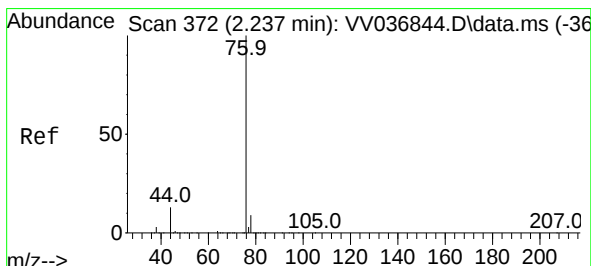
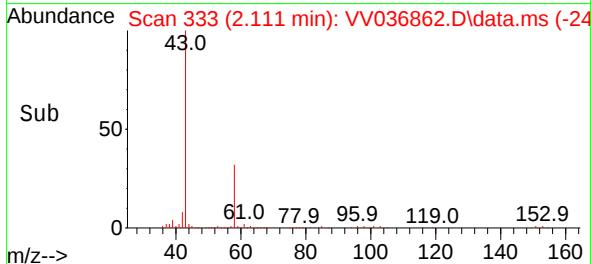
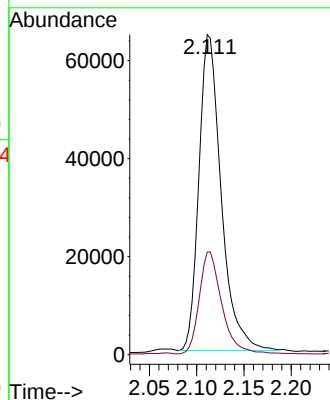
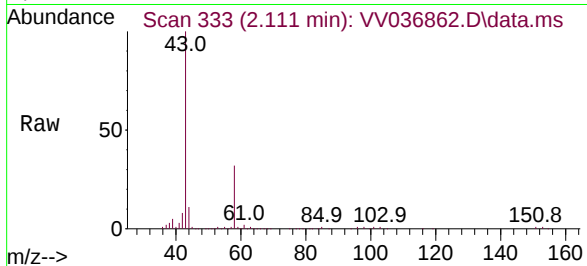
ClientSampleId :

Tgt Ion: 43 Resp: 105552

Ion Ratio Lower Upper

43 100

58 32.2 0.0 63.4



#14

Carbon disulfide

Concen: 47.282 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.003 min

Lab File: VV036862.D

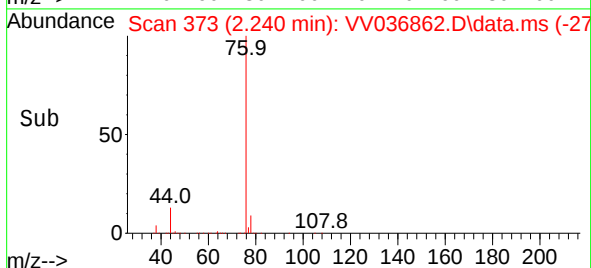
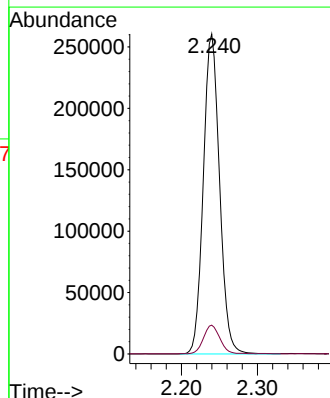
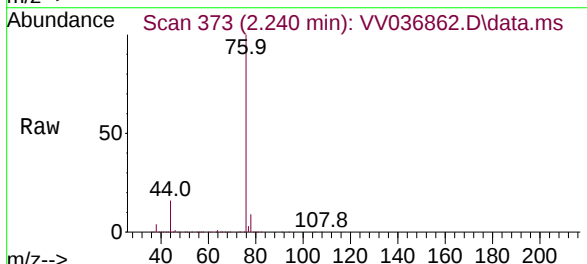
Acq: 08 Aug 2024 18:57

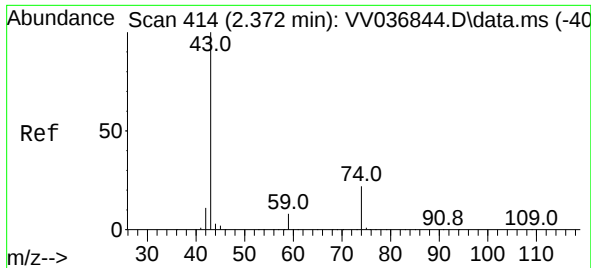
Tgt Ion: 76 Resp: 386329

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7





#15

Methyl Acetate

Concen: 40.888 ug/L

RT: 2.372 min Scan# 414

Delta R.T. 0.000 min

Lab File: VV036862.D

Acq: 08 Aug 2024 18:57

Instrument :

MSVOA_V

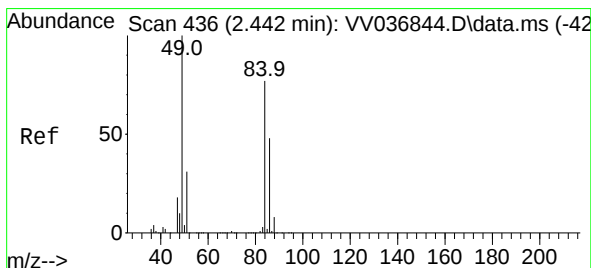
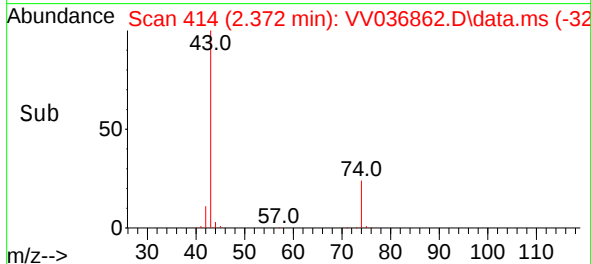
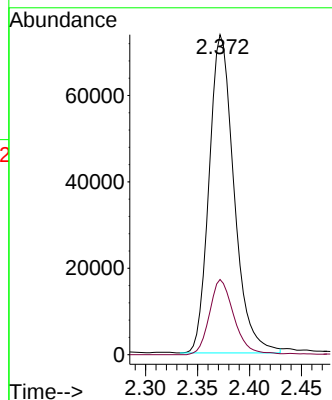
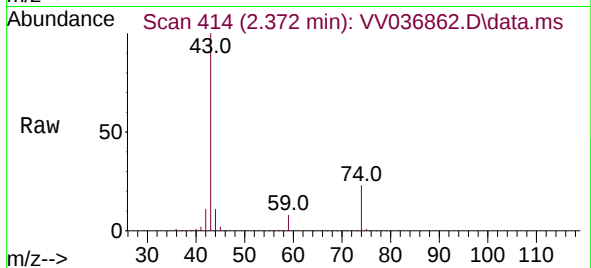
ClientSampleId :

Tgt Ion: 43 Resp: 122804

Ion Ratio Lower Upper

43 100

74 23.2 19.0 28.4



#16

Methylene chloride

Concen: 52.540 ug/L

RT: 2.446 min Scan# 437

Delta R.T. 0.003 min

Lab File: VV036862.D

Acq: 08 Aug 2024 18:57

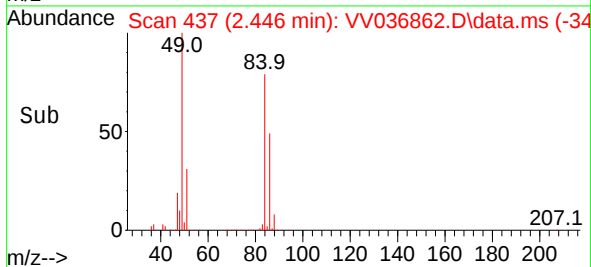
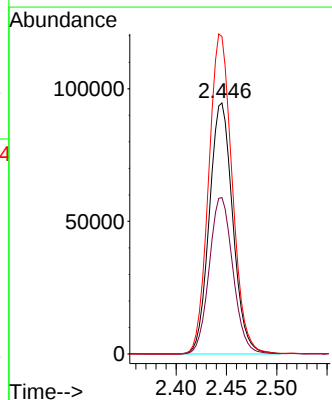
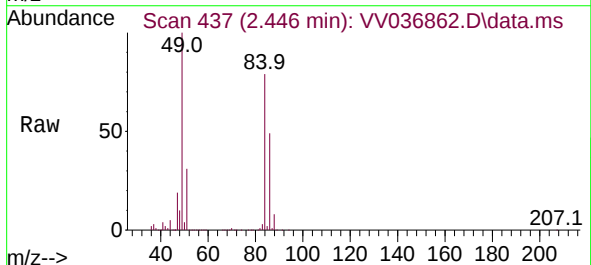
Tgt Ion: 84 Resp: 153637

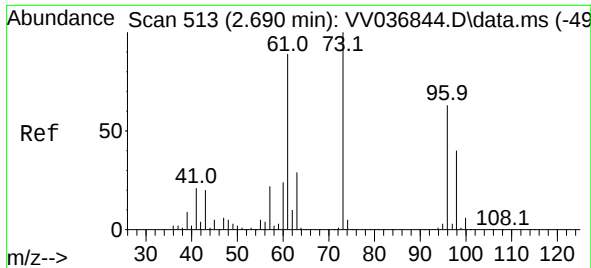
Ion Ratio Lower Upper

84 100

86 62.3 44.3 82.3

49 126.5 91.1 169.1

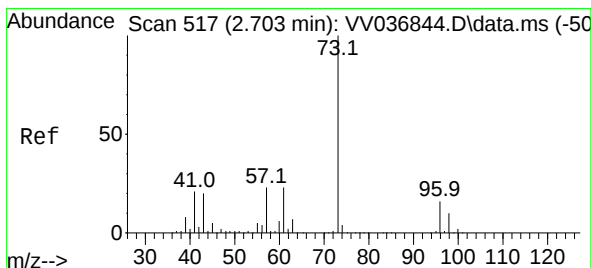
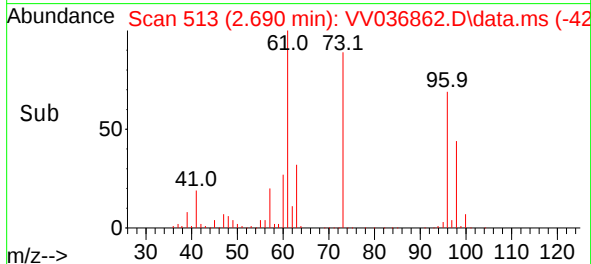
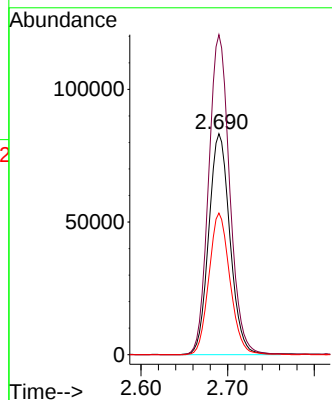
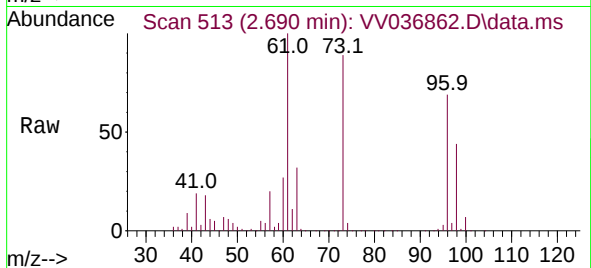




#17
trans-1,2-Dichloroethene
Concen: 52.681 ug/L
RT: 2.690 min Scan# 513
Delta R.T. 0.000 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

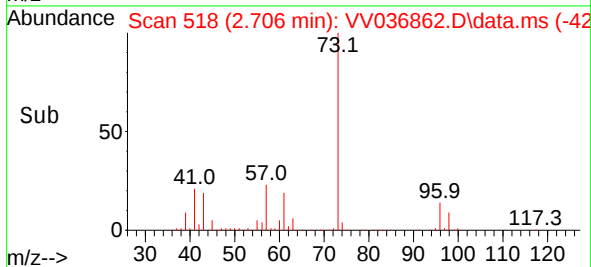
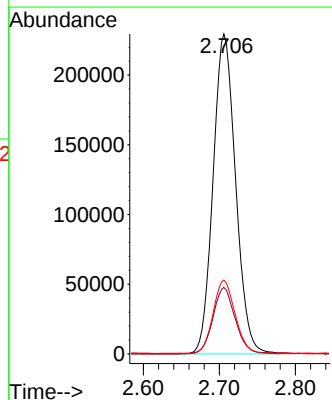
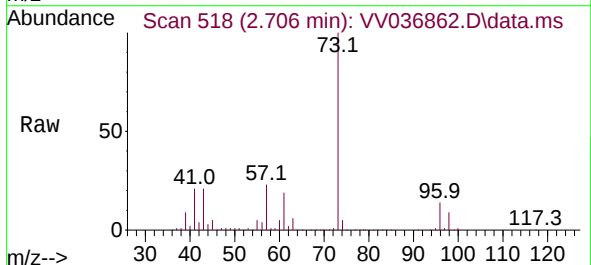
Instrument :
MSVOA_V
ClientSampleId :

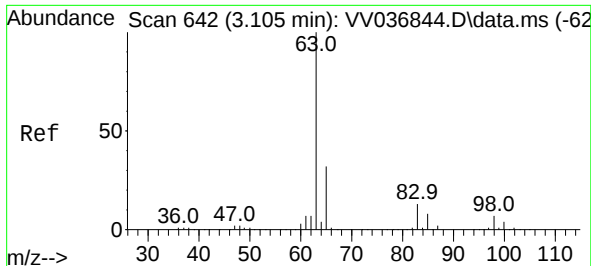
Tgt Ion: 96 Resp: 141938
Ion Ratio Lower Upper
96 100
61 144.9 100.0 185.8
98 64.1 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 49.761 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

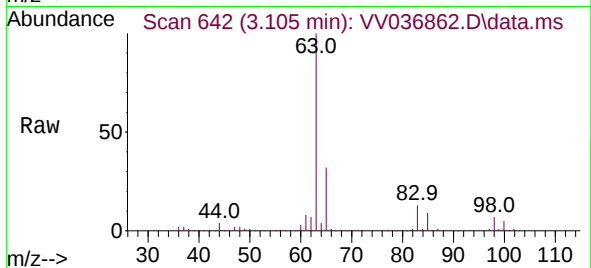
Tgt Ion: 73 Resp: 472188
Ion Ratio Lower Upper
73 100
43 20.1 16.1 24.1
57 22.5 17.9 26.9



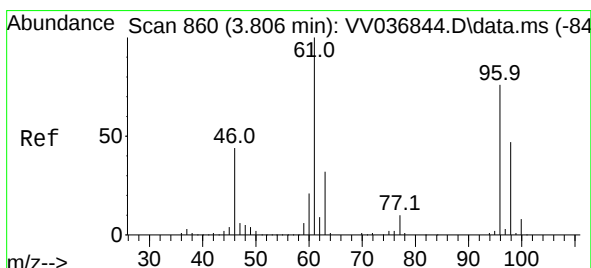
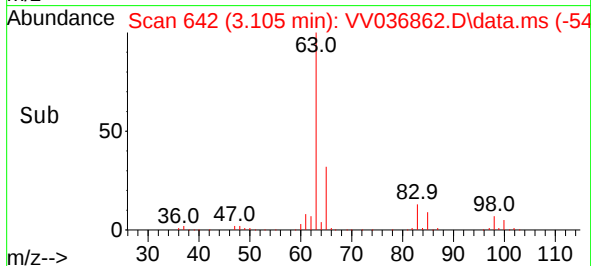
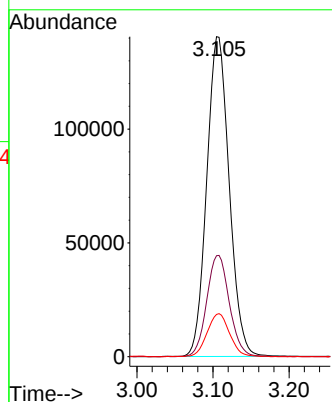


#19
1,1-Dichloroethane
Concen: 52.987 ug/L
RT: 3.105 min Scan# 642
Delta R.T. 0.000 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

Instrument :
MSVOA_V
ClientSampleId :

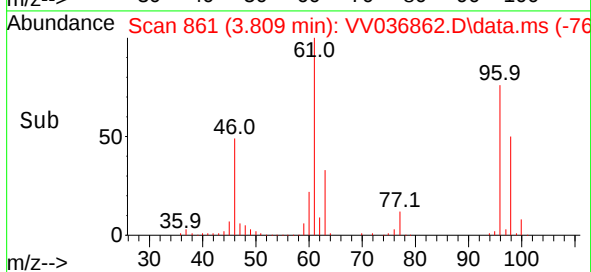
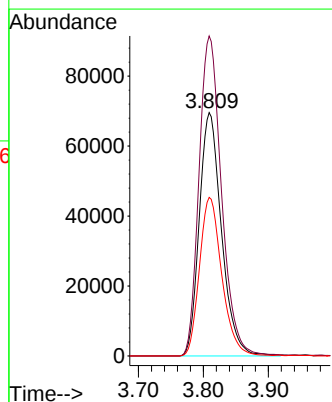
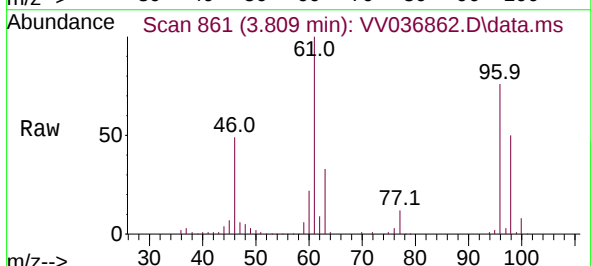


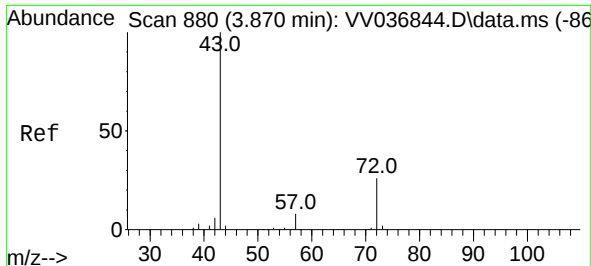
Tgt Ion: 63 Resp: 288432
Ion Ratio Lower Upper
63 100
65 31.5 23.2 43.0
83 13.2 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 52.480 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.003 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

Tgt Ion: 96 Resp: 165961
Ion Ratio Lower Upper
96 100
61 131.5 93.9 174.5
98 65.1 46.0 85.4

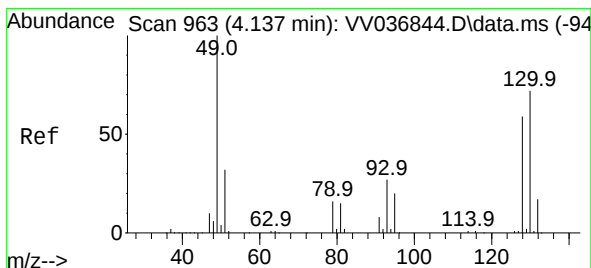
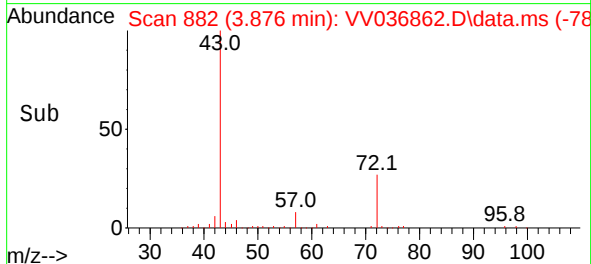
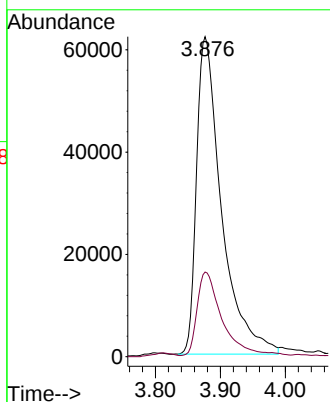
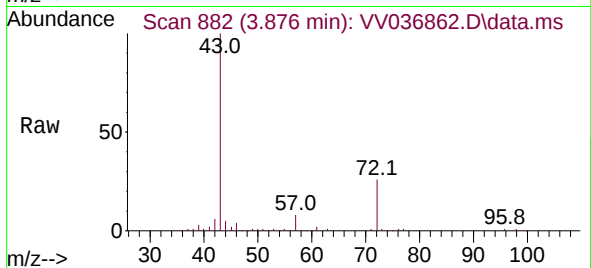




#22
2-Butanone
Concen: 85.122 ug/L
RT: 3.876 min Scan# 880
Delta R.T. 0.006 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

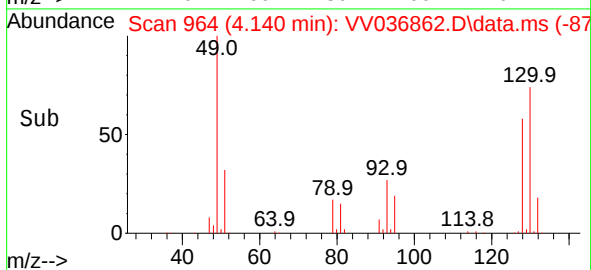
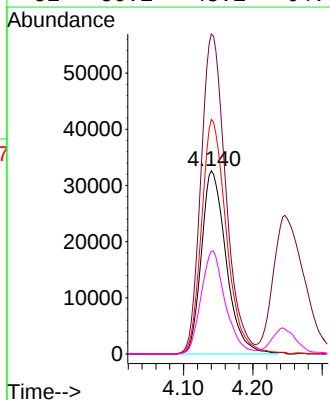
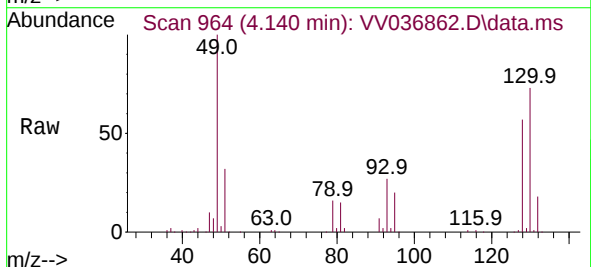
Instrument :
MSVOA_V
ClientSampleId :

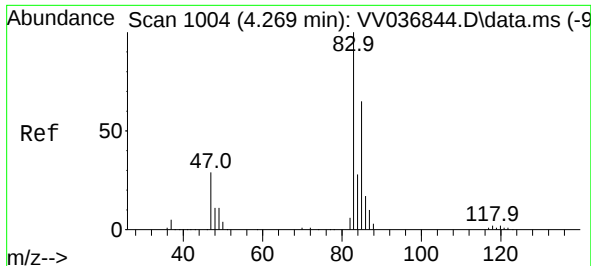
Tgt Ion: 43 Resp: 166253
Ion Ratio Lower Upper
43 100
72 25.7 12.5 37.5



#23
Bromochloromethane
Concen: 52.521 ug/L
RT: 4.140 min Scan# 964
Delta R.T. 0.003 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

Tgt Ion:128 Resp: 80679
Ion Ratio Lower Upper
128 100
49 174.6 120.0 223.0
130 127.9 87.0 161.6
51 56.1 43.1 64.7





#25

Chloroform

Concen: 52.621 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV036862.D

Acq: 08 Aug 2024 18:57

Instrument :

MSVOA_V

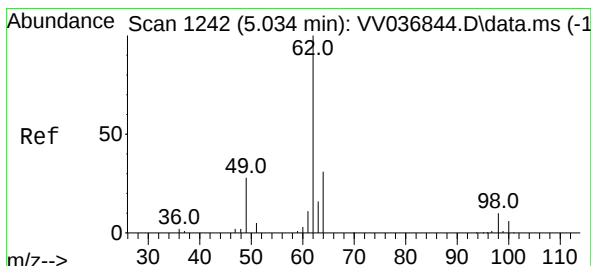
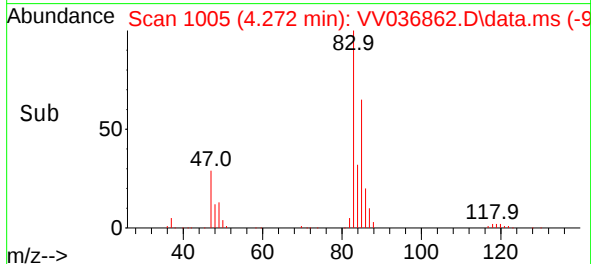
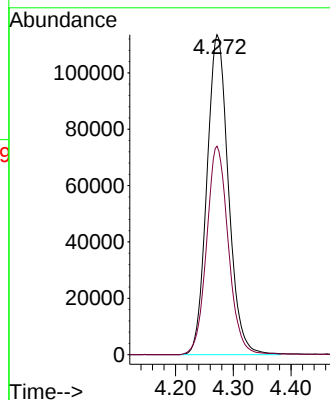
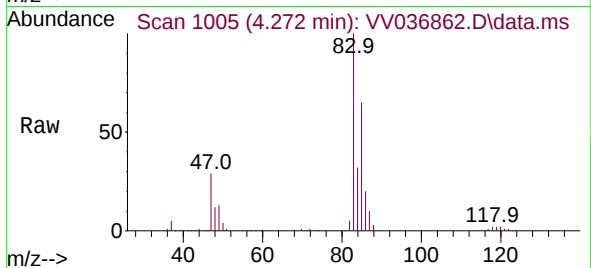
ClientSampleId :

Tgt Ion: 83 Resp: 294199

Ion Ratio Lower Upper

83 100

85 65.2 46.0 85.4



#27

1,2-Dichloroethane

Concen: 51.012 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV036862.D

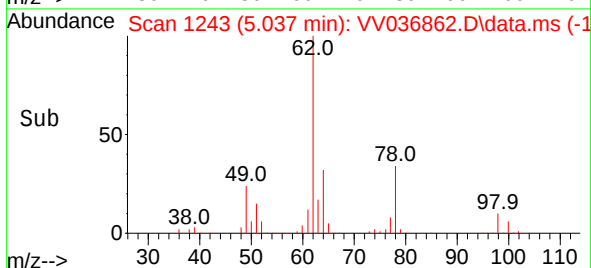
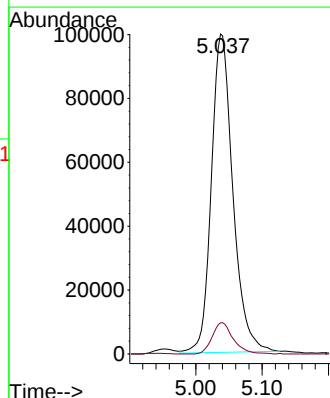
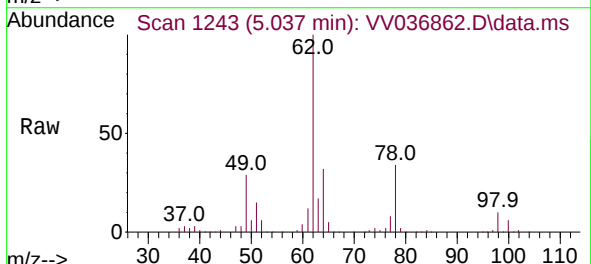
Acq: 08 Aug 2024 18:57

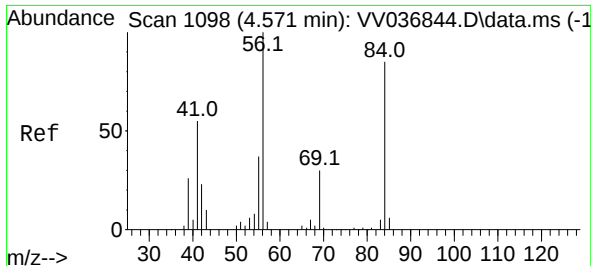
Tgt Ion: 62 Resp: 224966

Ion Ratio Lower Upper

62 100

98 9.7 7.5 11.3





#29

Cyclohexane

Concen: 50.931 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.003 min

Lab File: VV036862.D

Acq: 08 Aug 2024 18:57

Instrument :

MSVOA_V

ClientSampleId :

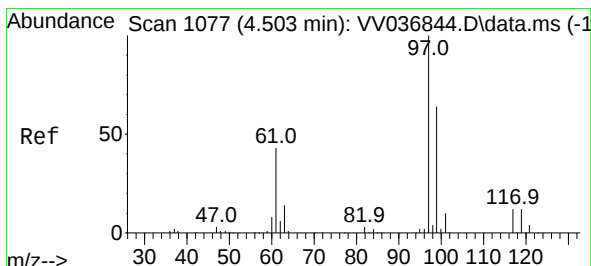
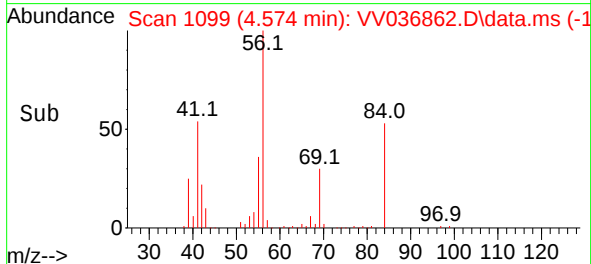
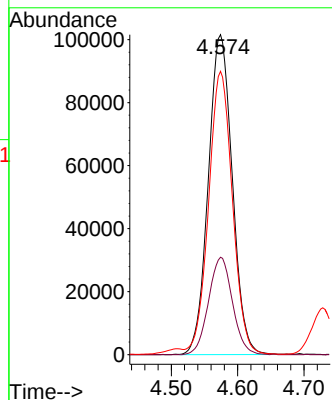
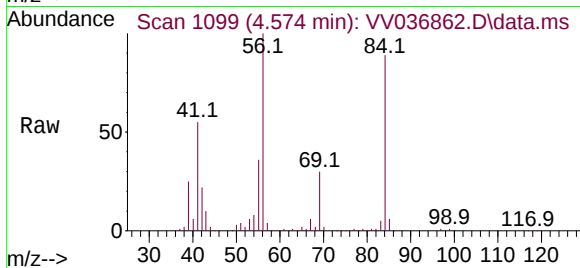
Tgt Ion: 56 Resp: 255176

Ion Ratio Lower Upper

56 100

69 30.4 24.7 37.1

84 87.8 68.5 102.7



#30

1,1,1-Trichloroethane

Concen: 49.907 ug/L

RT: 4.507 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV036862.D

Acq: 08 Aug 2024 18:57

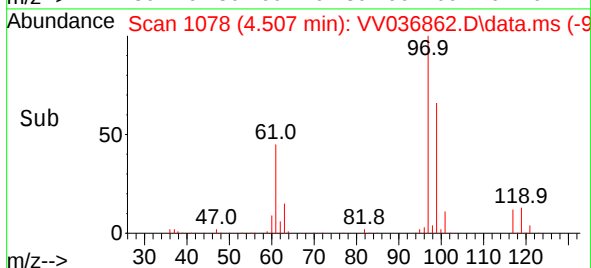
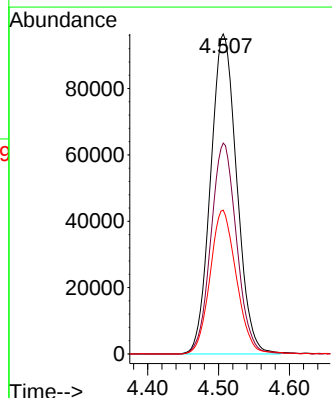
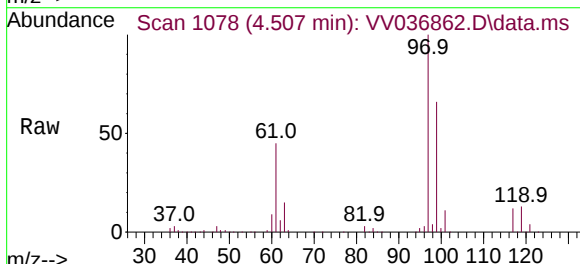
Tgt Ion: 97 Resp: 247246

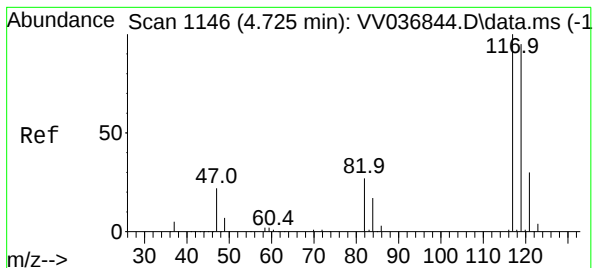
Ion Ratio Lower Upper

97 100

99 64.7 51.5 77.3

61 45.2 36.0 54.0





#31

Carbon tetrachloride

Concen: 50.092 ug/L

RT: 4.728 min Scan# 1146

Delta R.T. 0.003 min

Lab File: VV036862.D

Acq: 08 Aug 2024 18:57

Instrument :

MSVOA_V

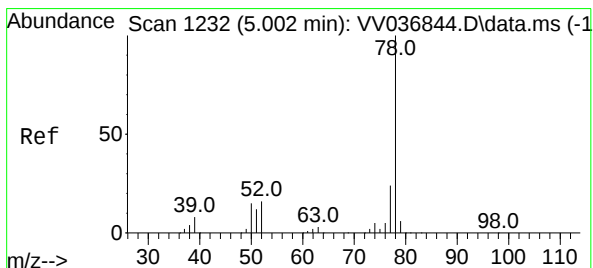
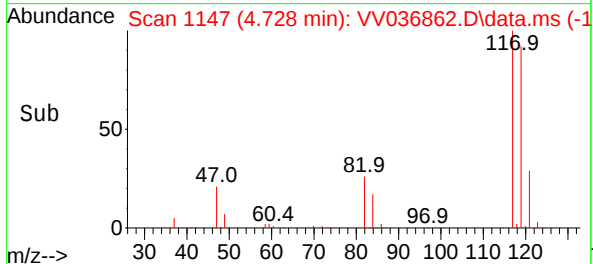
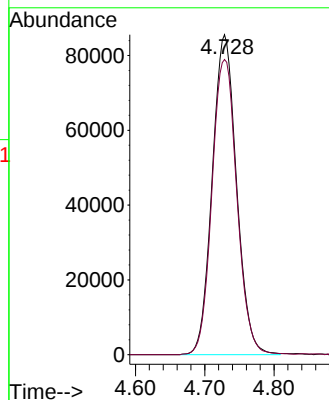
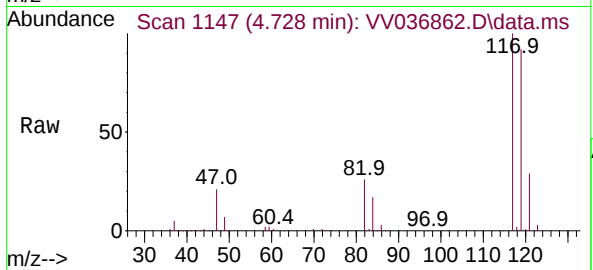
ClientSampleId :

Tgt Ion:117 Resp: 208414

Ion Ratio Lower Upper

117 100

119 94.7 76.1 114.1



#33

Benzene

Concen: 53.100 ug/L

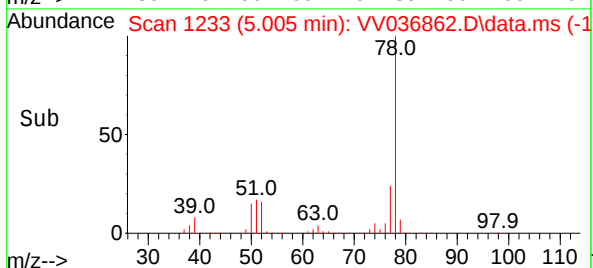
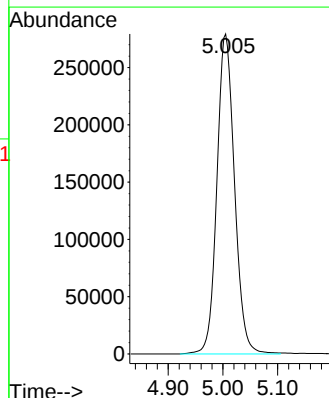
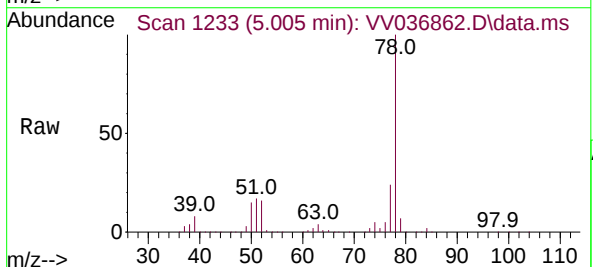
RT: 5.005 min Scan# 1233

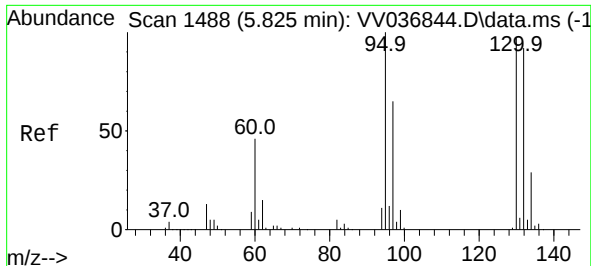
Delta R.T. 0.003 min

Lab File: VV036862.D

Acq: 08 Aug 2024 18:57

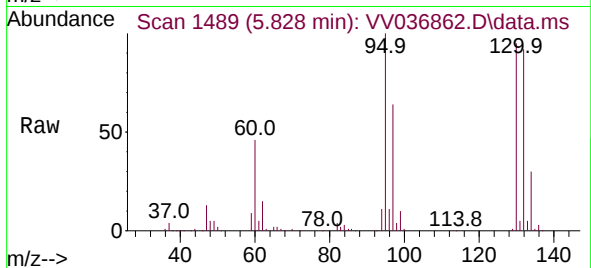
Tgt Ion: 78 Resp: 624529



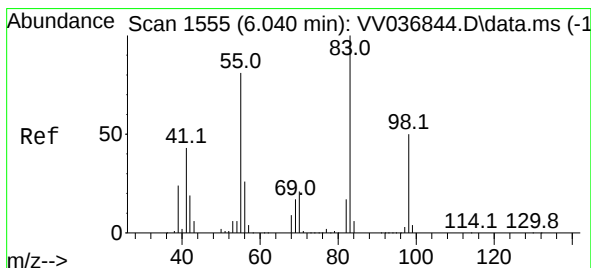
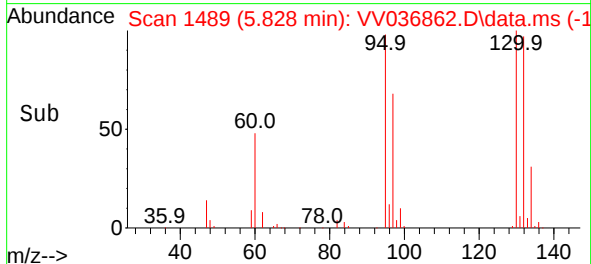
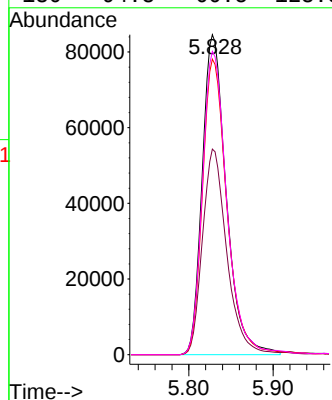


#34
Trichloroethene
Concen: 49.269 ug/L
RT: 5.828 min Scan# 1488
Delta R.T. 0.003 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

Instrument :
MSVOA_V
ClientSampleId :

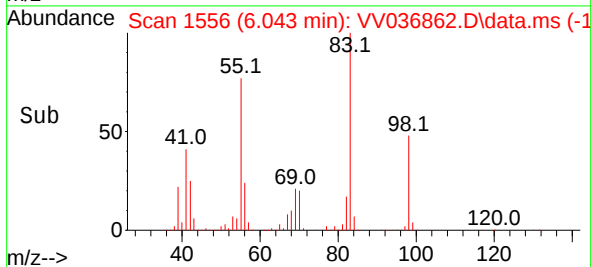
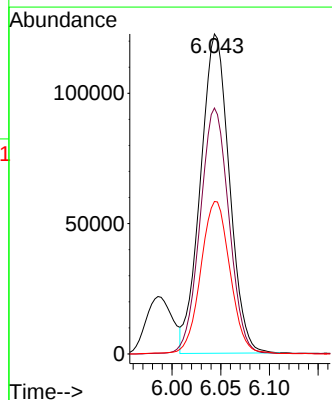
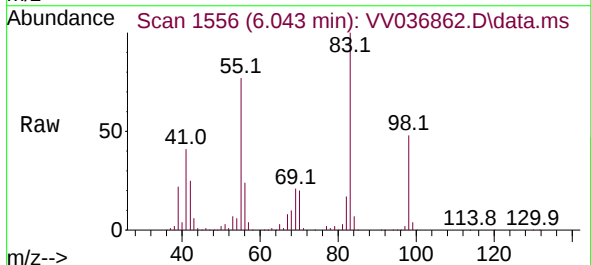


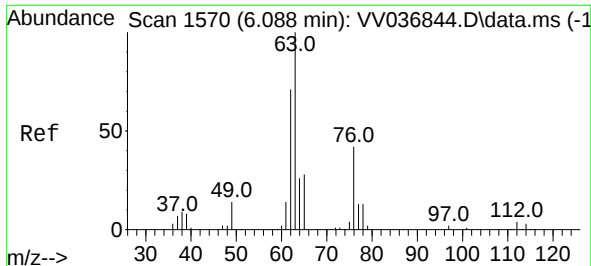
Tgt Ion: 95 Resp: 167941
Ion Ratio Lower Upper
95 100
97 64.2 44.7 82.9
132 92.4 62.9 116.9
130 94.8 66.5 123.5



#35
Methylcyclohexane
Concen: 48.274 ug/L
RT: 6.043 min Scan# 1556
Delta R.T. 0.003 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

Tgt Ion: 83 Resp: 252502
Ion Ratio Lower Upper
83 100
55 77.2 62.3 93.5
98 48.9 38.7 58.1





#37

1,2-Dichloropropane

Concen: 53.286 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV036862.D

Acq: 08 Aug 2024 18:57

Instrument :

MSVOA_V

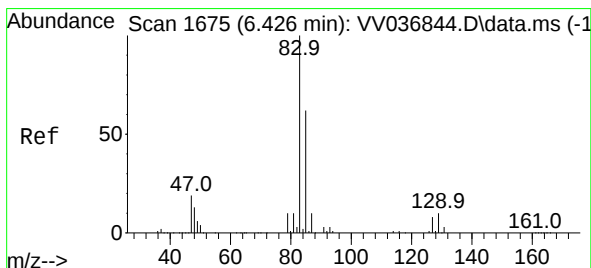
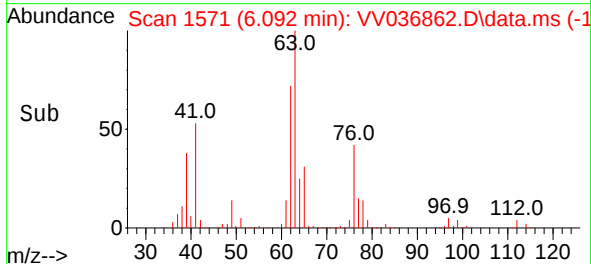
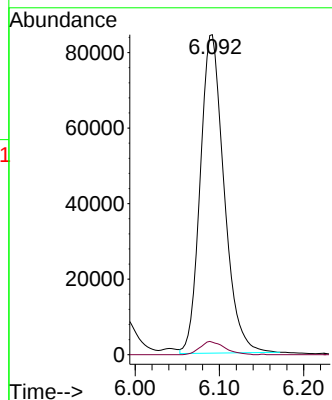
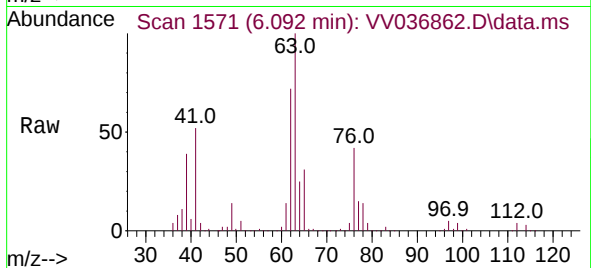
ClientSampleId :

Tgt Ion: 63 Resp: 166023

Ion Ratio Lower Upper

63 100

112 4.3 3.6 5.4



#38

Bromodichloromethane

Concen: 50.552 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.003 min

Lab File: VV036862.D

Acq: 08 Aug 2024 18:57

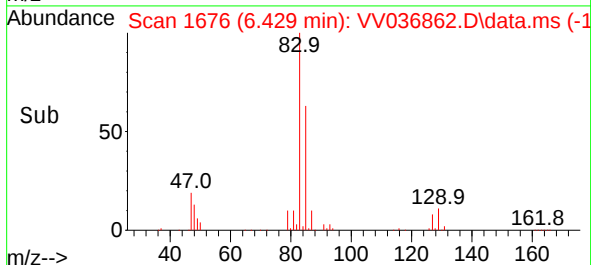
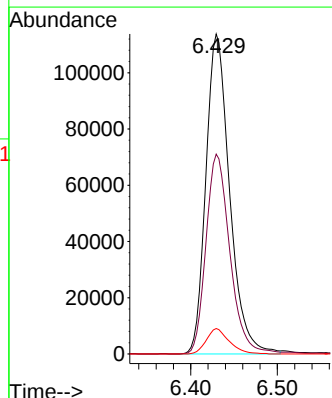
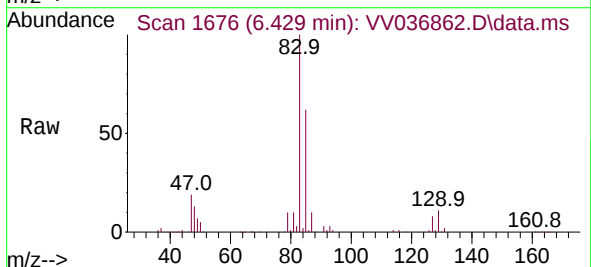
Tgt Ion: 83 Resp: 216898

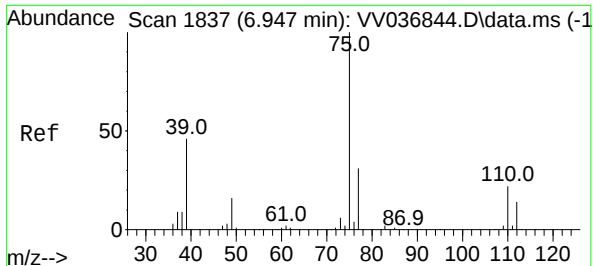
Ion Ratio Lower Upper

83 100

85 62.4 44.7 83.1

127 7.9 6.2 9.4

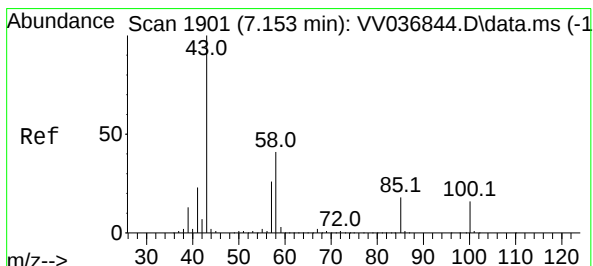
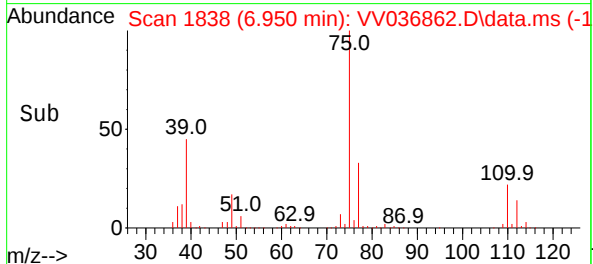
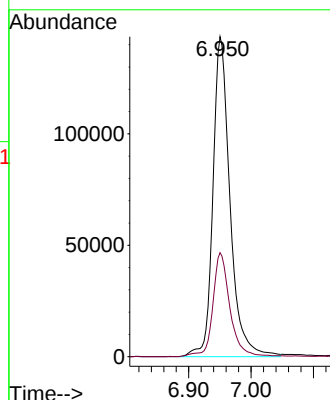
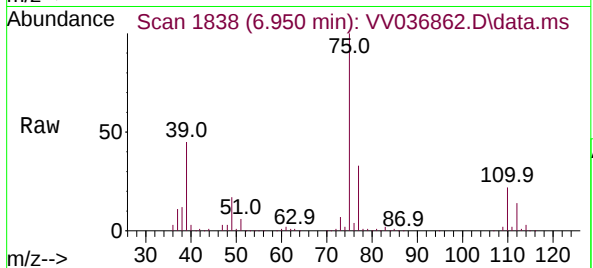




#39
cis-1,3-Dichloropropene
Concen: 51.235 ug/L
RT: 6.950 min Scan# 1838
Delta R.T. 0.003 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

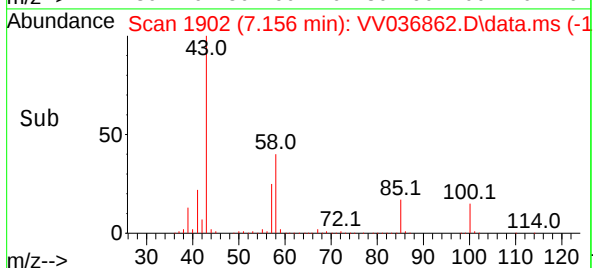
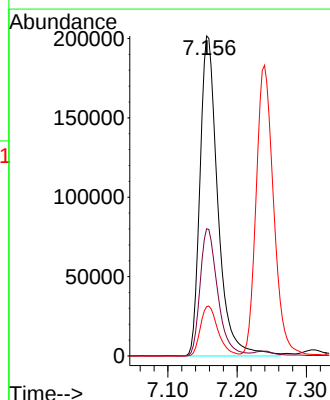
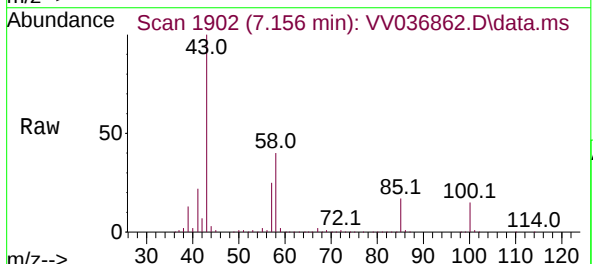
Instrument :
MSVOA_V
ClientSampleId :

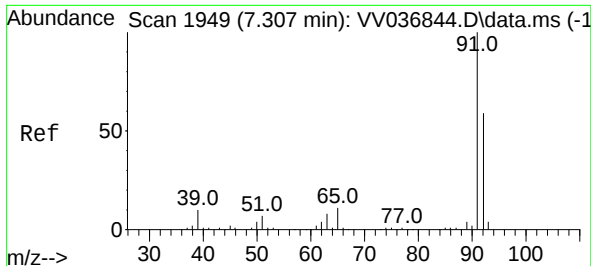
Tgt Ion: 75 Resp: 273392
Ion Ratio Lower Upper
75 100
77 32.5 22.2 41.2



#40
4-Methyl-2-pentanone
Concen: 93.645 ug/L
RT: 7.156 min Scan# 1902
Delta R.T. 0.003 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

Tgt Ion: 43 Resp: 361432
Ion Ratio Lower Upper
43 100
58 39.2 31.3 46.9
100 15.5 12.6 18.8





#42

Toluene

Concen: 52.341 ug/L

RT: 7.310 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VV036862.D

Acq: 08 Aug 2024 18:57

Instrument :

MSVOA_V

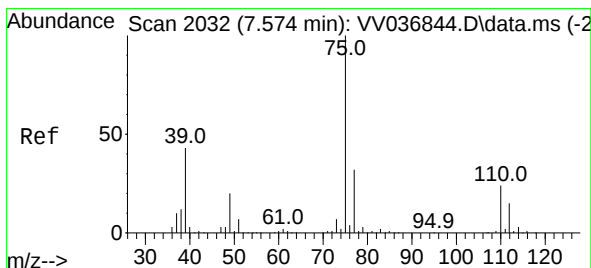
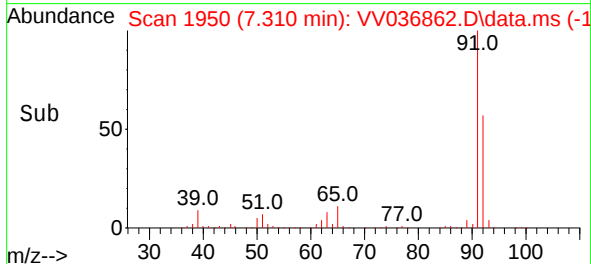
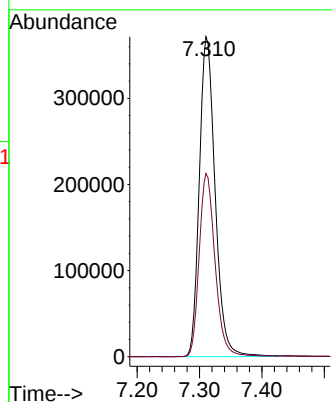
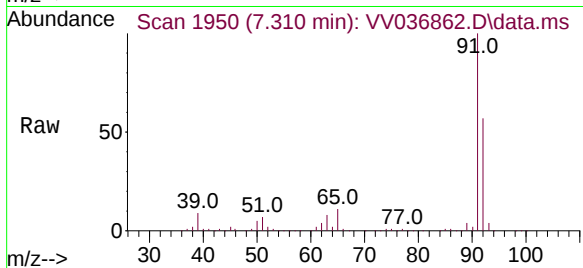
ClientSampleId :

Tgt Ion: 91 Resp: 655699

Ion Ratio Lower Upper

91 100

92 57.3 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 47.554 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.003 min

Lab File: VV036862.D

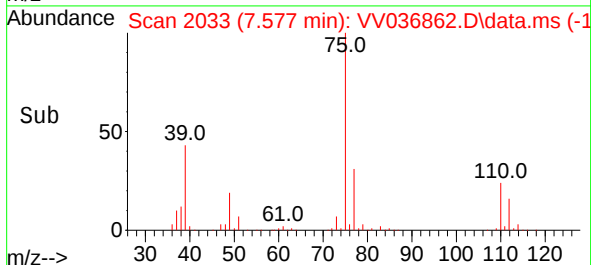
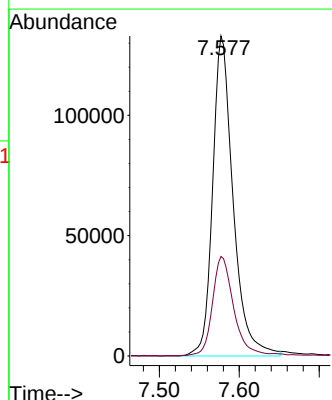
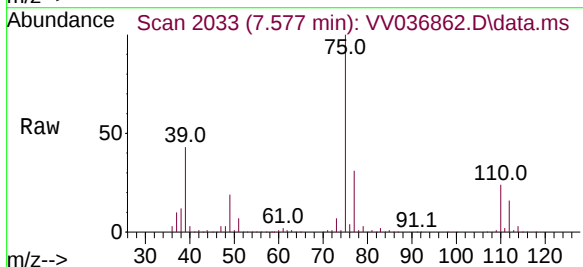
Acq: 08 Aug 2024 18:57

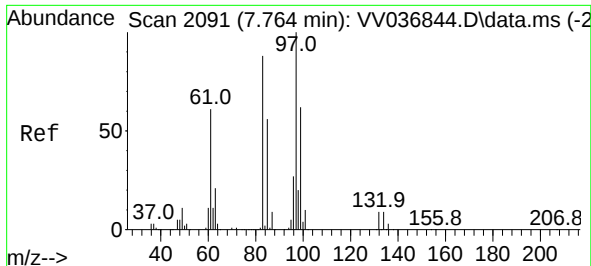
Tgt Ion: 75 Resp: 236454

Ion Ratio Lower Upper

75 100

77 31.1 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 50.960 ug/L

RT: 7.767 min Scan# 2091

Delta R.T. 0.003 min

Lab File: VV036862.D

Acq: 08 Aug 2024 18:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 153762

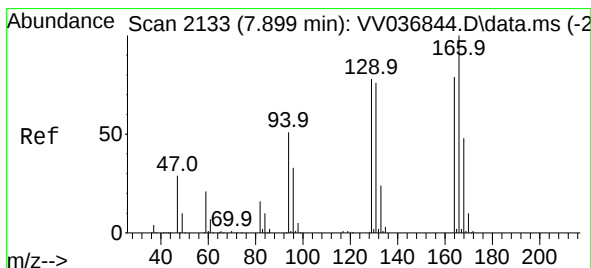
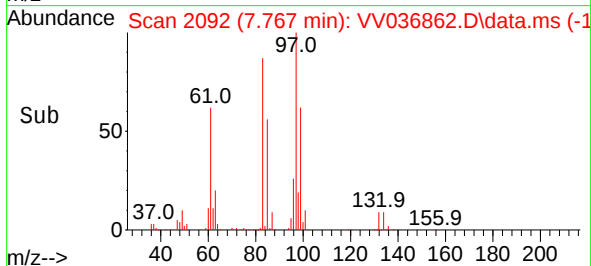
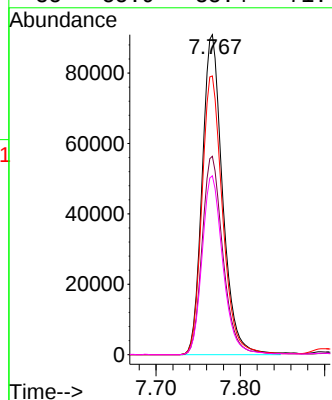
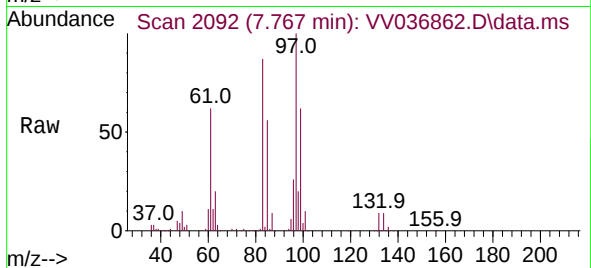
Ion Ratio Lower Upper

97 100

99 62.0 44.0 81.6

83 87.1 60.1 111.5

85 55.9 38.4 71.4



#46

Tetrachloroethene

Concen: 49.338 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.003 min

Lab File: VV036862.D

Acq: 08 Aug 2024 18:57

Tgt Ion:164 Resp: 110313

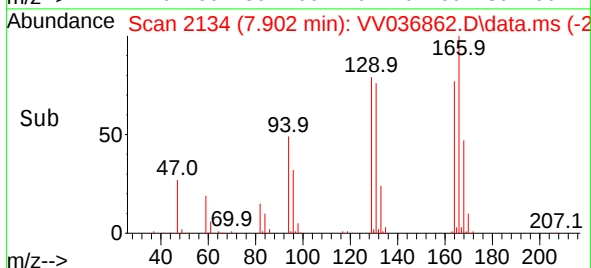
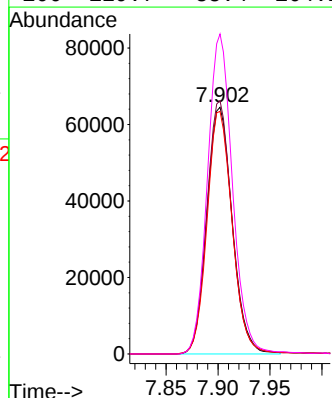
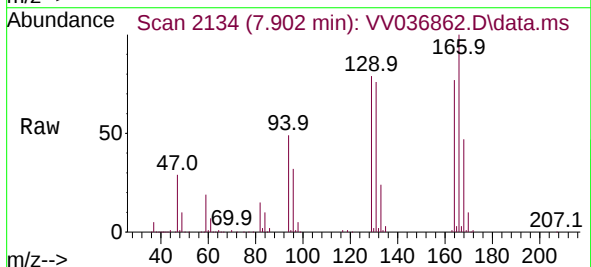
Ion Ratio Lower Upper

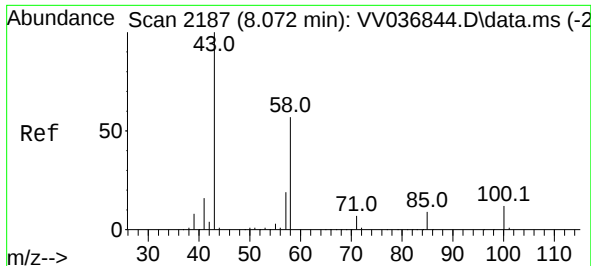
164 100

129 102.6 70.4 130.8

131 98.3 67.7 125.7

166 129.7 88.4 164.2



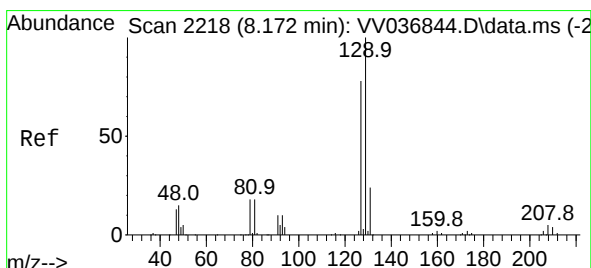
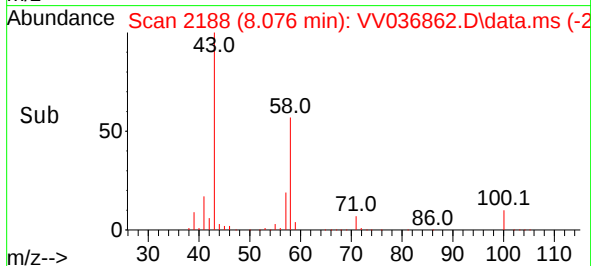
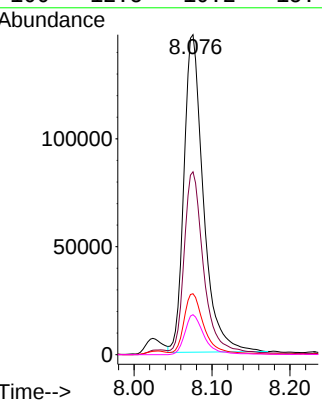
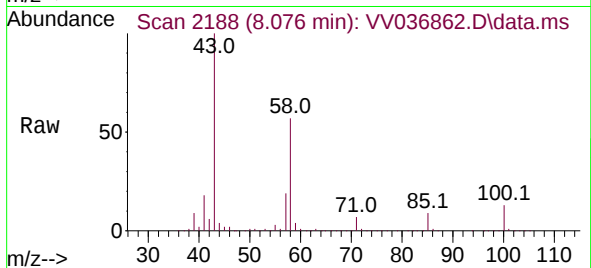


#48
2-Hexanone
Concen: 90.051 ug/L
RT: 8.076 min Scan# 2187
Delta R.T. 0.003 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 255693

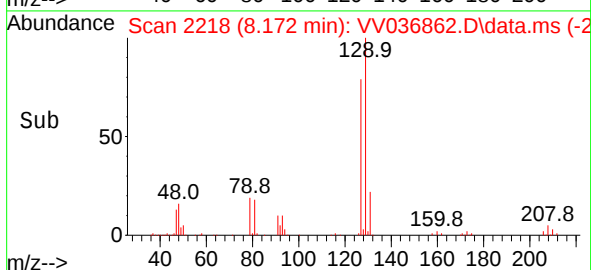
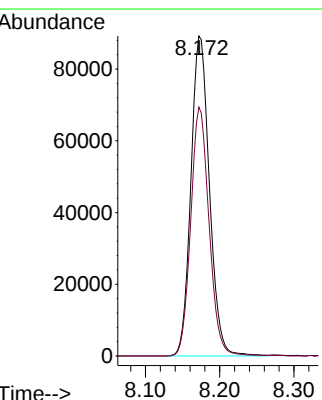
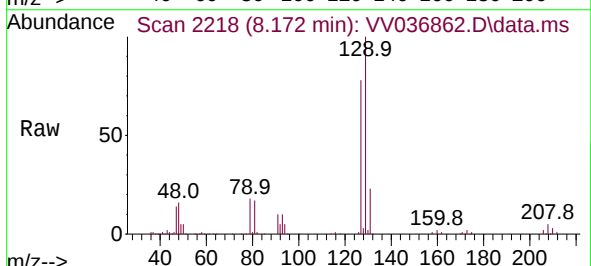
Ion	Ratio	Lower	Upper
43	100		
58	57.5	44.7	67.1
57	19.7	15.0	22.4
100	12.5	10.2	15.4

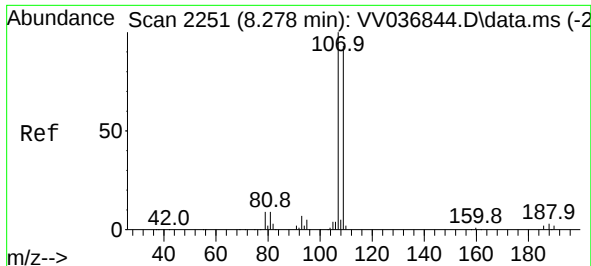


#49
Dibromochloromethane
Concen: 49.953 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.000 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

Tgt Ion: 129 Resp: 154890

Ion	Ratio	Lower	Upper
129	100		
127	77.7	55.4	102.8

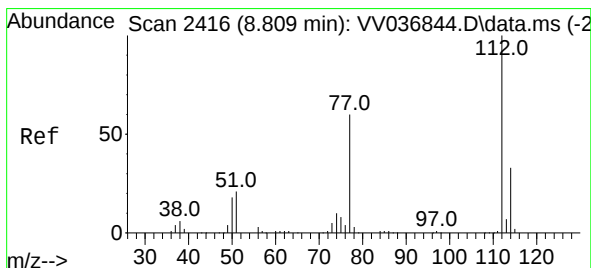
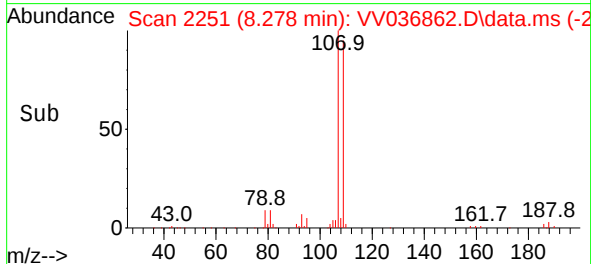
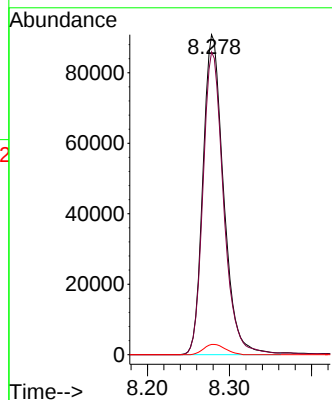
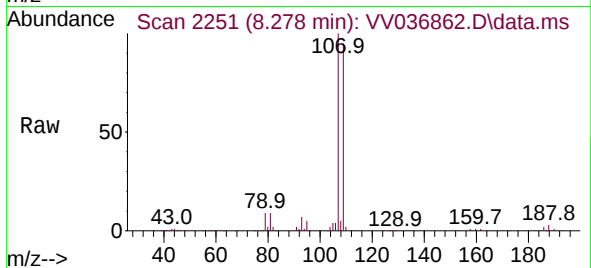




#50
1,2-Dibromoethane
Concen: 50.803 ug/L
RT: 8.278 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

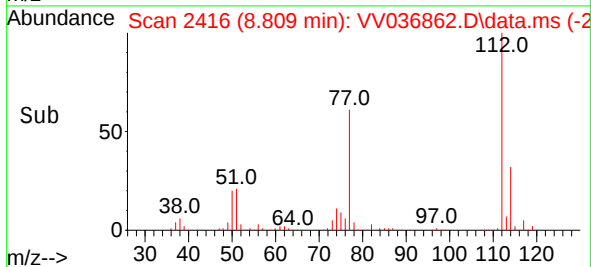
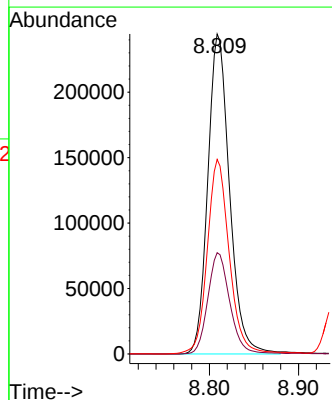
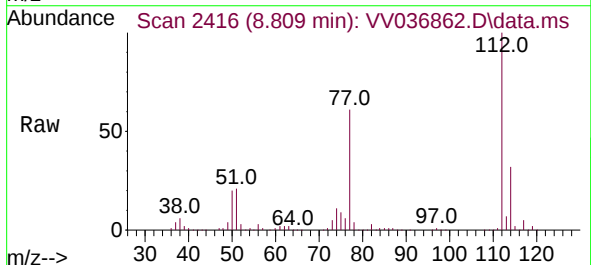
Instrument :
MSVOA_V
ClientSampleId :

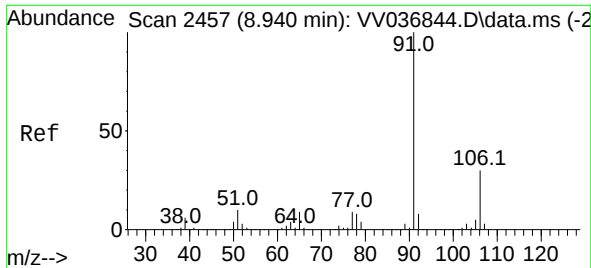
Tgt Ion:107 Resp: 159042
Ion Ratio Lower Upper
107 100
109 94.6 64.7 120.1
188 3.2 2.6 3.8



#51
Chlorobenzene
Concen: 51.448 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. 0.000 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

Tgt Ion:112 Resp: 413543
Ion Ratio Lower Upper
112 100
114 31.6 22.3 41.5
77 60.8 48.9 73.3





#52

Ethylbenzene

Concen: 51.480 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. 0.000 min

Lab File: VV036862.D

Acq: 08 Aug 2024 18:57

Instrument :

MSVOA_V

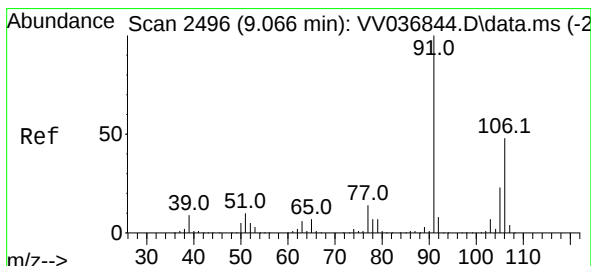
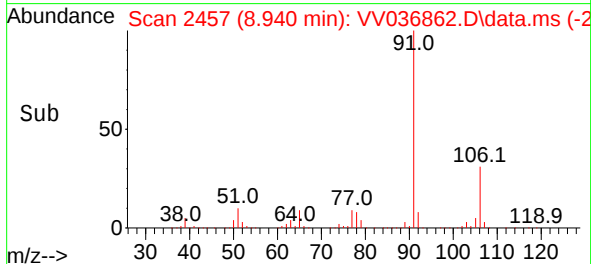
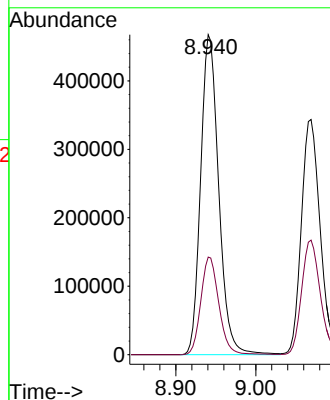
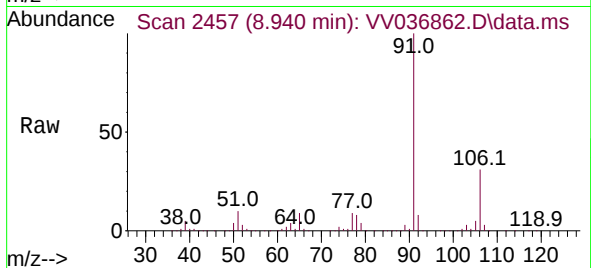
ClientSampleId :

Tgt Ion: 91 Resp: 736367

Ion Ratio Lower Upper

91 100

106 30.5 21.1 39.1



#53

m,p-Xylene

Concen: 50.667 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.003 min

Lab File: VV036862.D

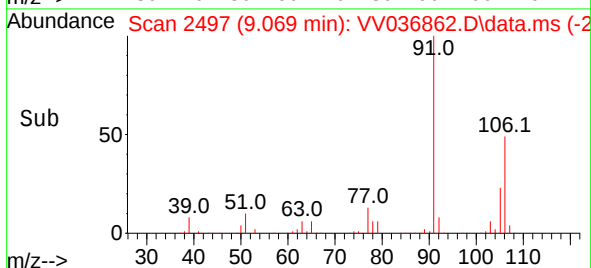
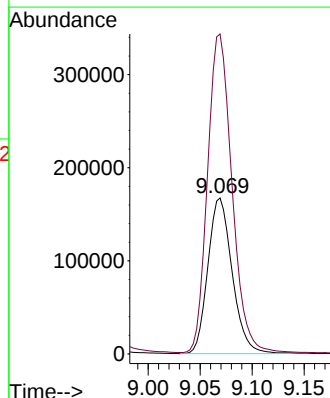
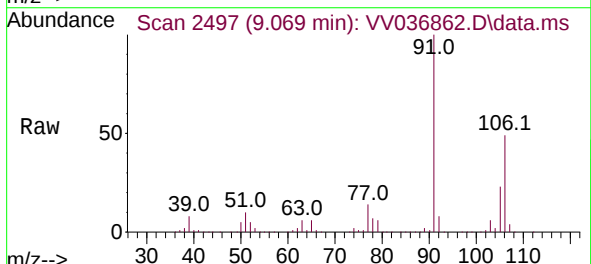
Acq: 08 Aug 2024 18:57

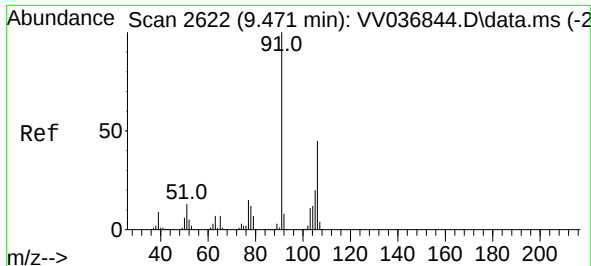
Tgt Ion:106 Resp: 270906

Ion Ratio Lower Upper

106 100

91 205.2 147.1 273.3

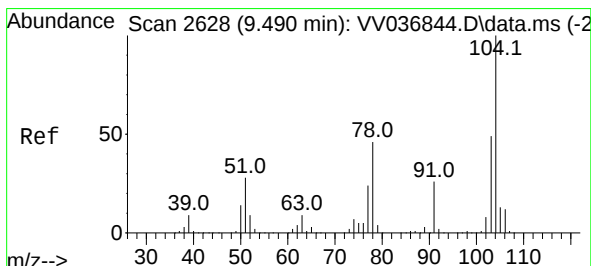
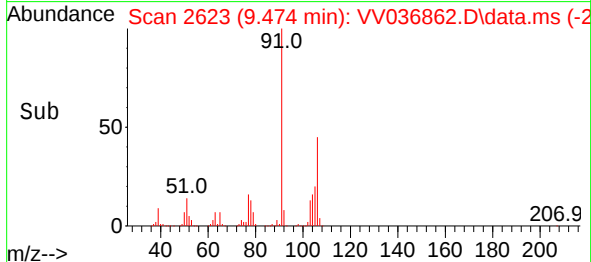
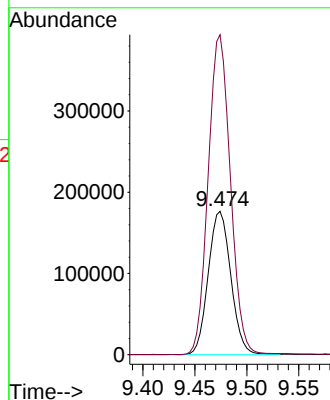
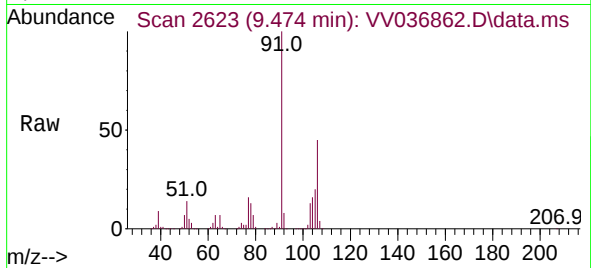




#54
o-Xylene
Concen: 51.100 ug/L
RT: 9.474 min Scan# 206
Delta R.T. 0.003 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

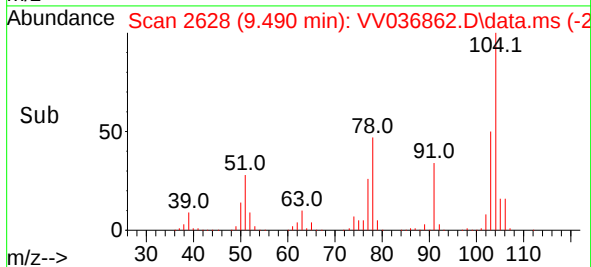
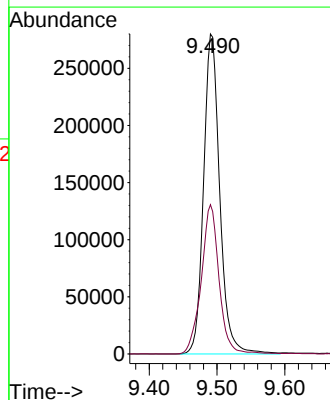
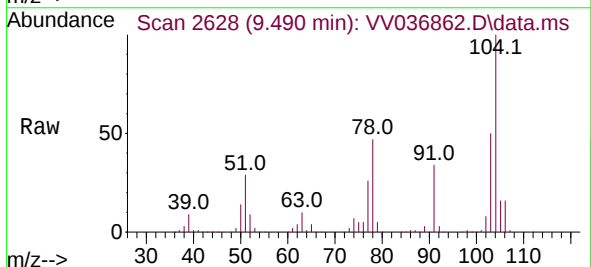
Instrument :
MSVOA_V
ClientSampleId :

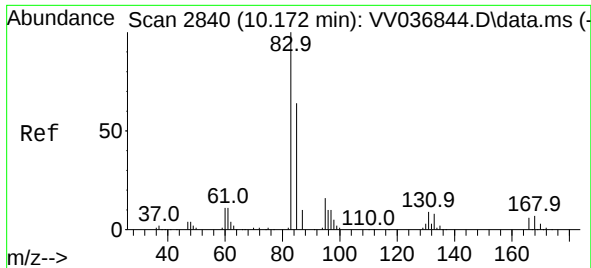
Tgt Ion:106 Resp: 267227
Ion Ratio Lower Upper
106 100
91 223.1 154.5 286.9



#55
Styrene
Concen: 51.862 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.000 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

Tgt Ion:104 Resp: 464778
Ion Ratio Lower Upper
104 100
78 46.6 32.1 59.7

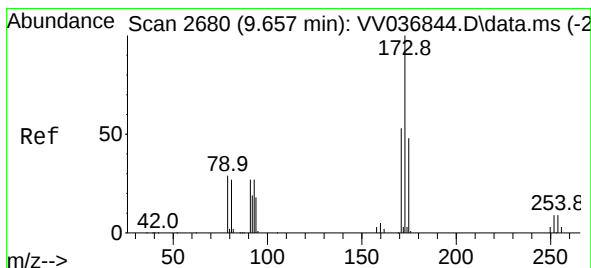
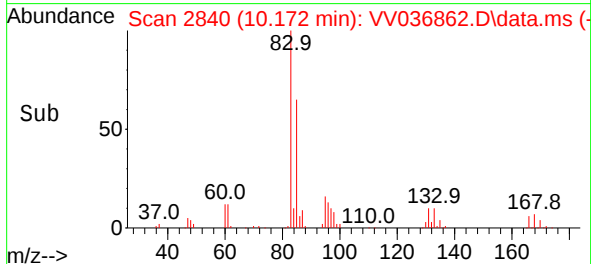
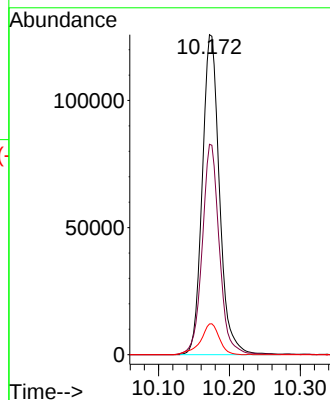
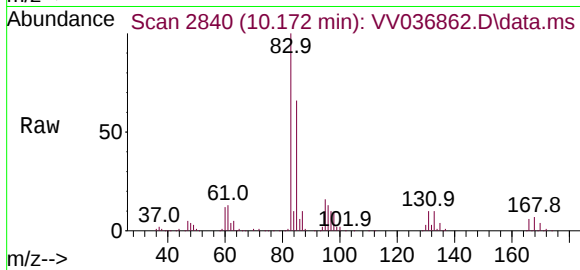




#57
1,1,2,2-Tetrachloroethane
Concen: 52.083 ug/L
RT: 10.172 min Scan# 212047
Delta R.T. 0.000 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

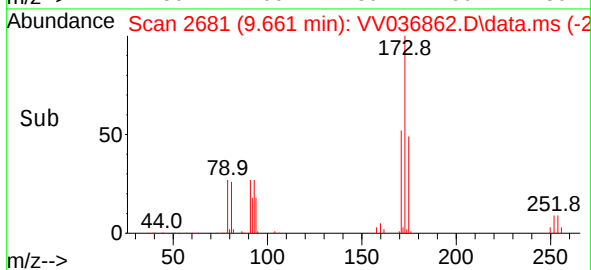
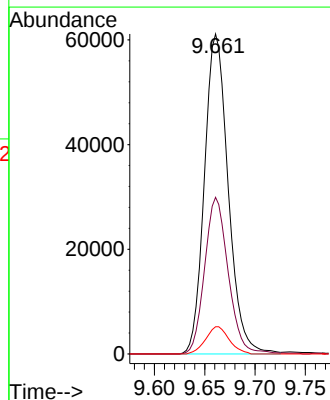
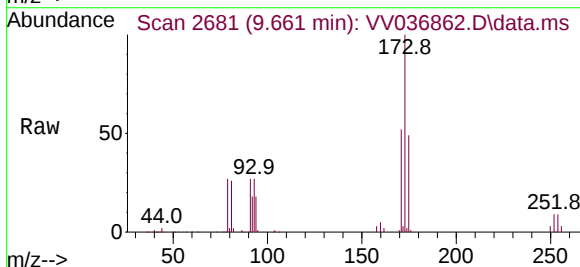
Instrument :
MSVOA_V
ClientSampleId :

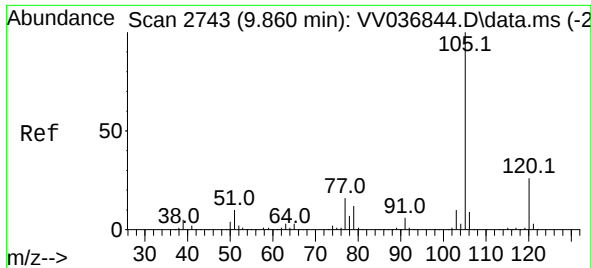
Tgt Ion: 83 Resp: 212047
Ion Ratio Lower Upper
83 100
85 65.8 44.7 83.1
131 9.6 7.2 10.8



#59
Bromoform
Concen: 47.666 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. 0.003 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

Tgt Ion: 173 Resp: 100680
Ion Ratio Lower Upper
173 100
175 48.5 39.8 59.8
254 8.4 6.8 10.2

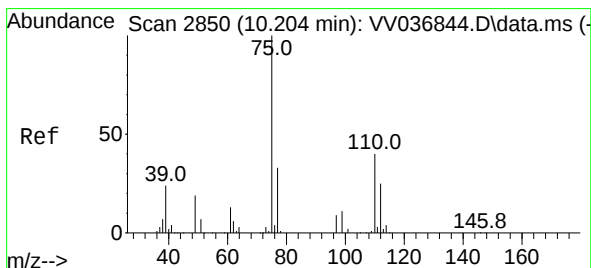
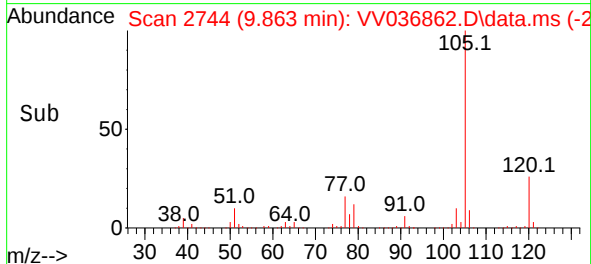
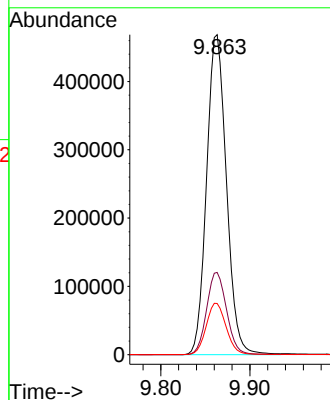
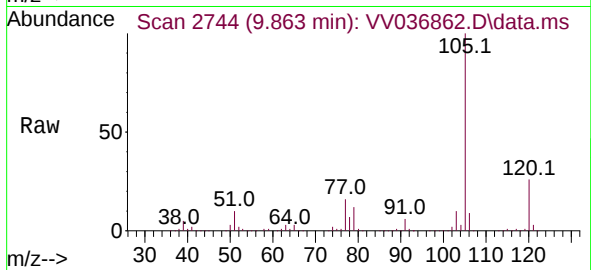




#60
Isopropylbenzene
Concen: 52.190 ug/L
RT: 9.863 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

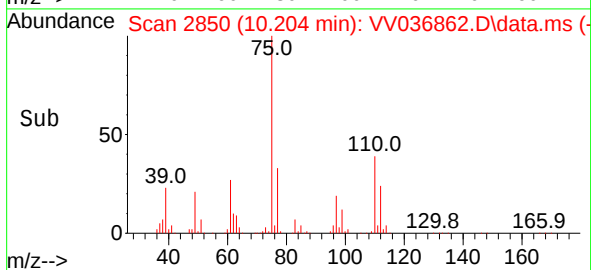
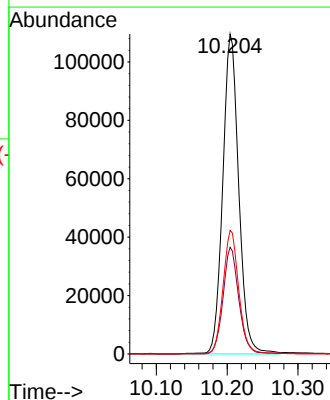
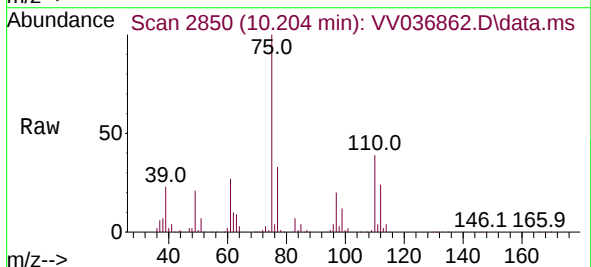
Instrument :
MSVOA_V
ClientSampleId :

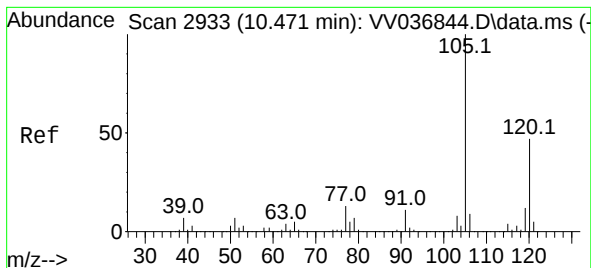
Tgt Ion:105 Resp: 725442
Ion Ratio Lower Upper
105 100
120 25.9 20.3 30.5
77 16.3 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 50.022 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. 0.000 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

Tgt Ion: 75 Resp: 171925
Ion Ratio Lower Upper
75 100
77 32.4 26.2 39.2
110 37.9 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 51.322 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. 0.000 min

Lab File: VV036862.D

Acq: 08 Aug 2024 18:57

Instrument :

MSVOA_V

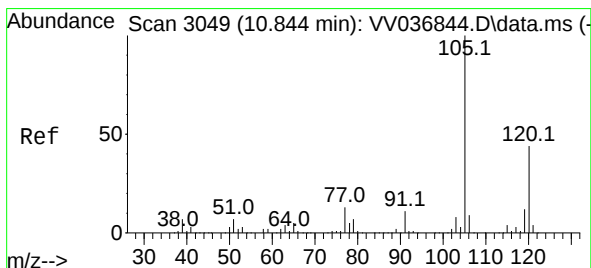
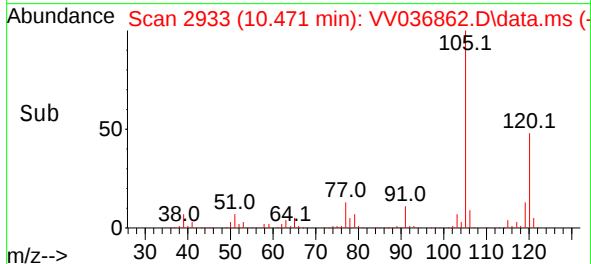
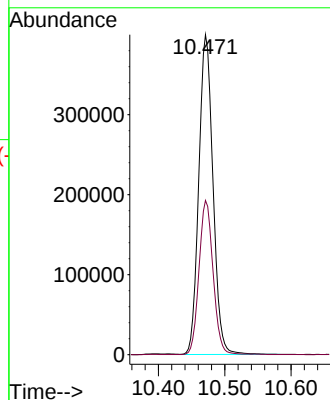
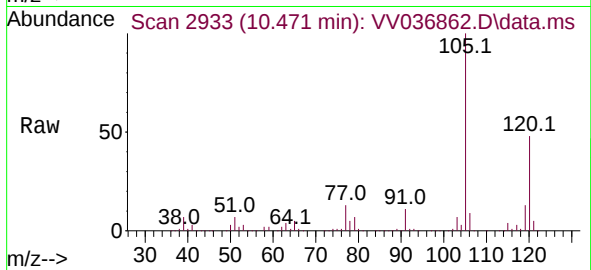
ClientSampleId :

Tgt Ion:105 Resp: 593916

Ion Ratio Lower Upper

105 100

120 47.8 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 51.237 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VV036862.D

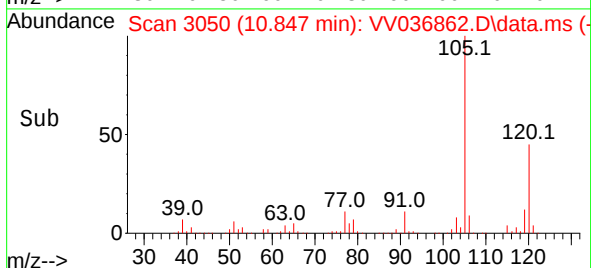
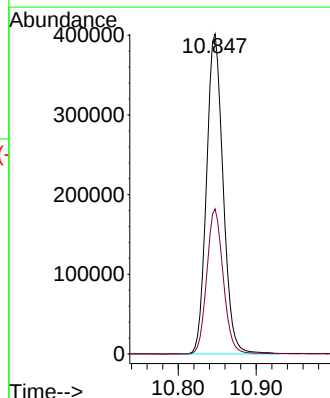
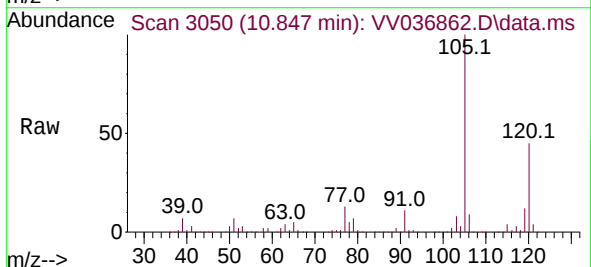
Acq: 08 Aug 2024 18:57

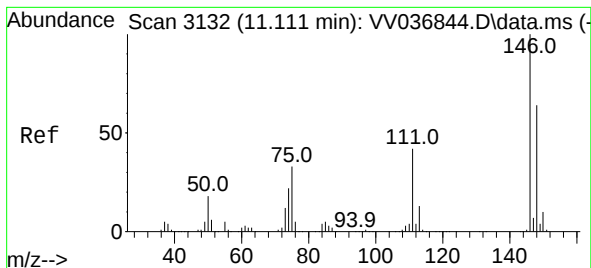
Tgt Ion:105 Resp: 593540

Ion Ratio Lower Upper

105 100

120 45.0 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 51.885 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. 0.000 min

Lab File: VV036862.D

Acq: 08 Aug 2024 18:57

Instrument :

MSVOA_V

ClientSampleId :

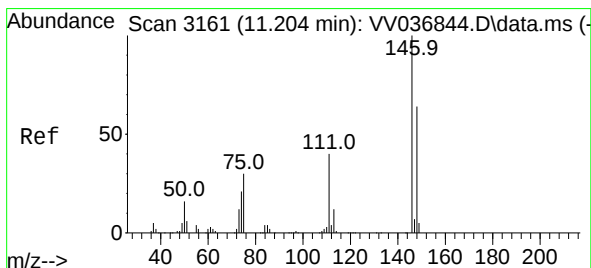
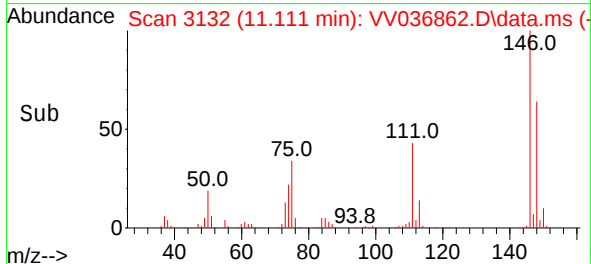
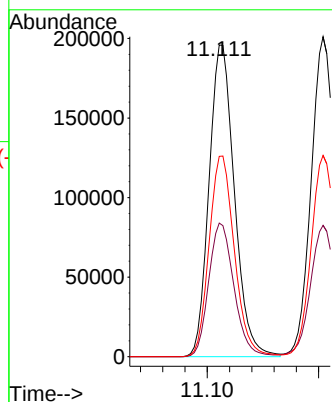
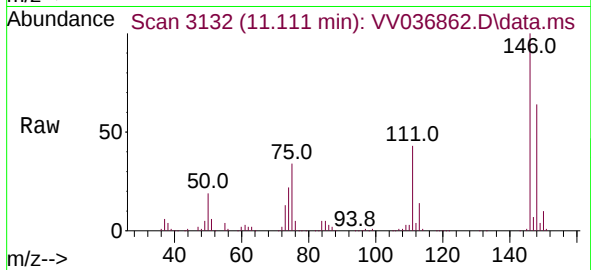
Tgt Ion:146 Resp: 310132

Ion Ratio Lower Upper

146 100

111 42.9 29.8 55.4

148 64.3 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 52.084 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV036862.D

Acq: 08 Aug 2024 18:57

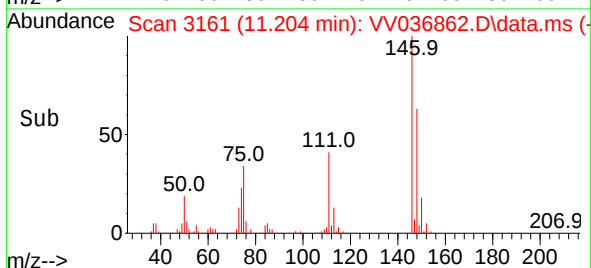
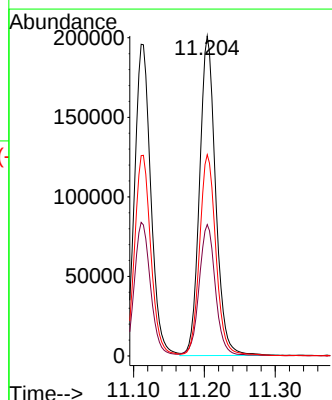
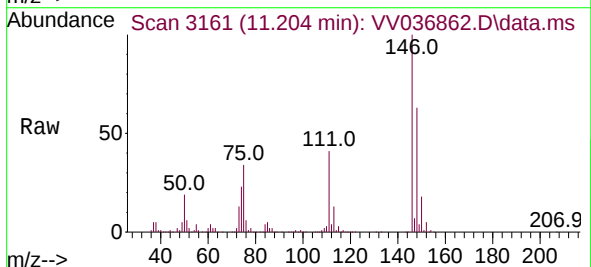
Tgt Ion:146 Resp: 316582

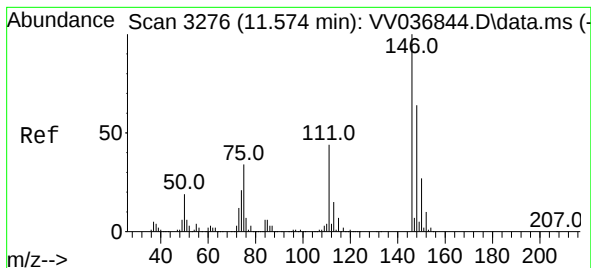
Ion Ratio Lower Upper

146 100

111 41.1 29.0 53.9

148 62.9 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 53.611 ug/L

RT: 11.574 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV036862.D

Acq: 08 Aug 2024 18:57

Instrument :

MSVOA_V

ClientSampleId :

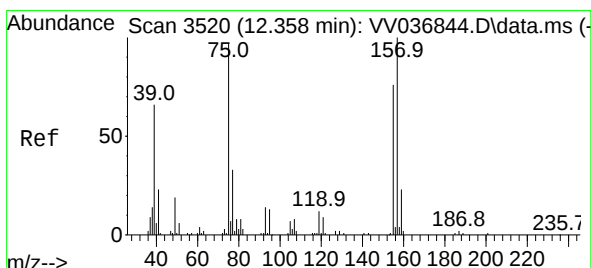
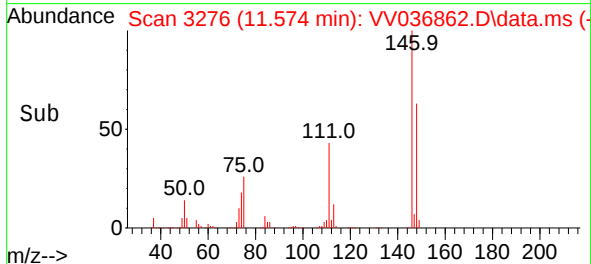
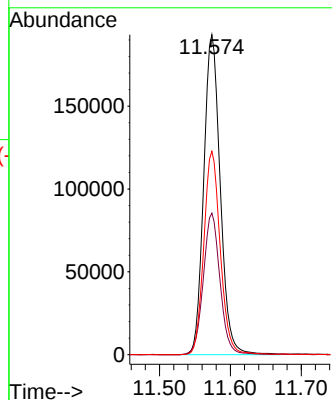
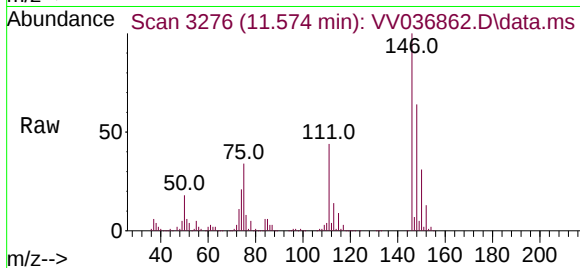
Tgt Ion:146 Resp: 312965

Ion Ratio Lower Upper

146 100

111 44.2 35.7 53.5

148 63.5 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 43.362 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. 0.000 min

Lab File: VV036862.D

Acq: 08 Aug 2024 18:57

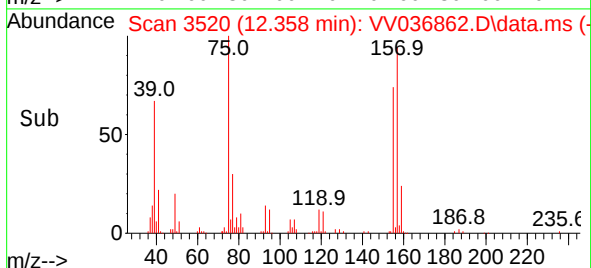
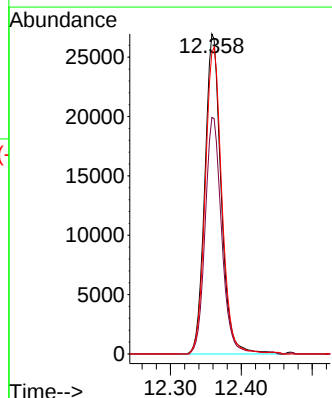
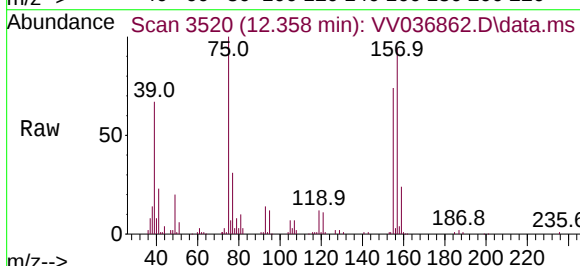
Tgt Ion: 75 Resp: 43068

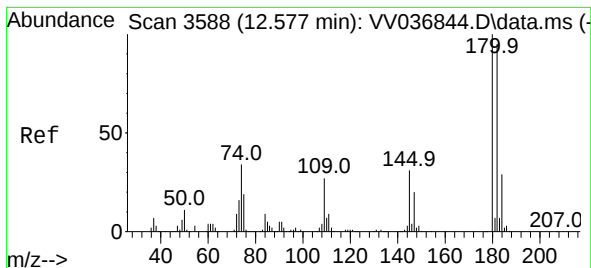
Ion Ratio Lower Upper

75 100

155 73.9 59.5 89.3

157 94.2 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 49.385 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.000 min

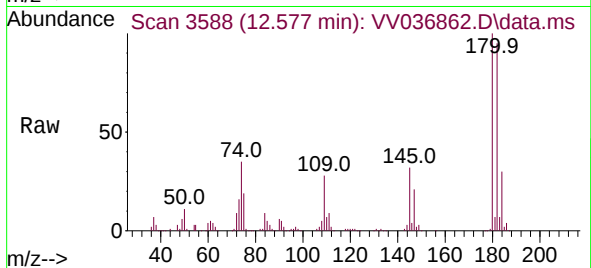
Lab File: VV036862.D

Acq: 08 Aug 2024 18:57

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 209484

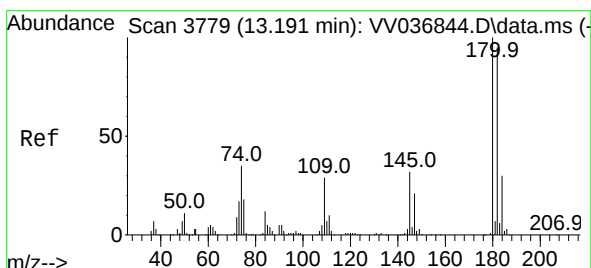
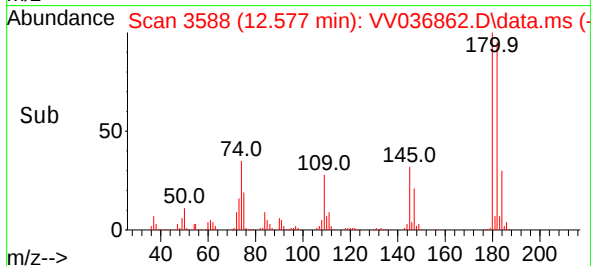
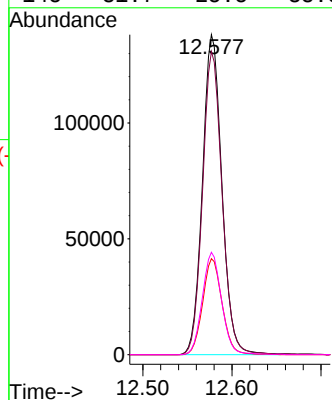
Ion Ratio Lower Upper

180 100

182 95.1 75.0 112.6

184 29.9 23.7 35.5

145 31.7 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 49.689 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. 0.000 min

Lab File: VV036862.D

Acq: 08 Aug 2024 18:57

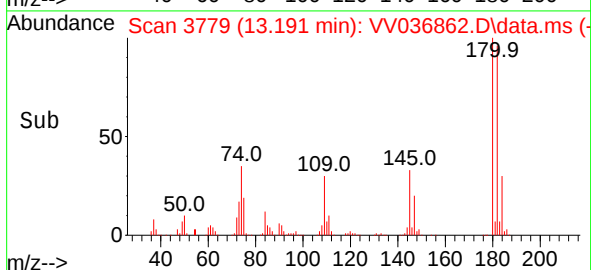
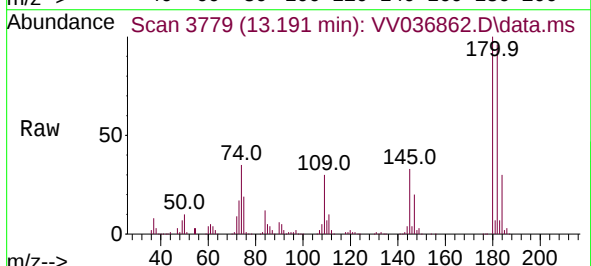
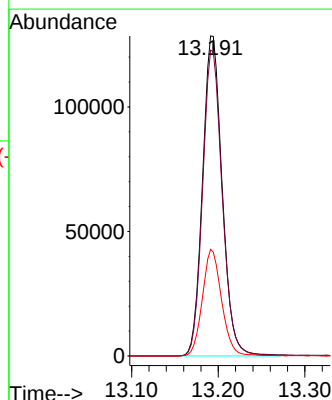
Tgt Ion:180 Resp: 202148

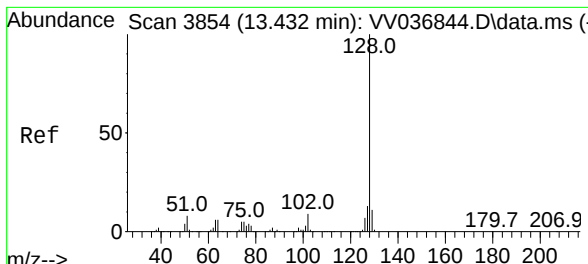
Ion Ratio Lower Upper

180 100

182 95.5 75.1 112.7

145 32.6 26.5 39.7



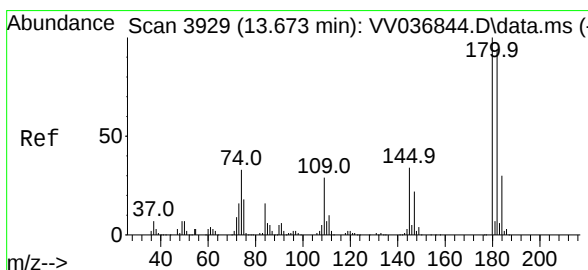
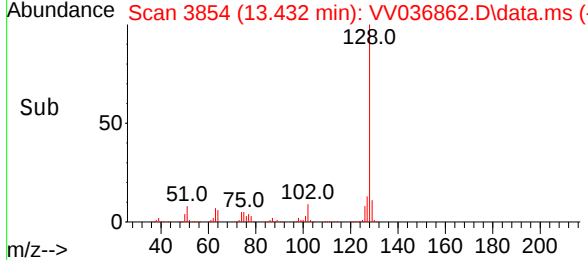
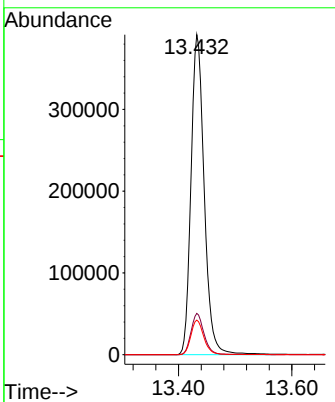
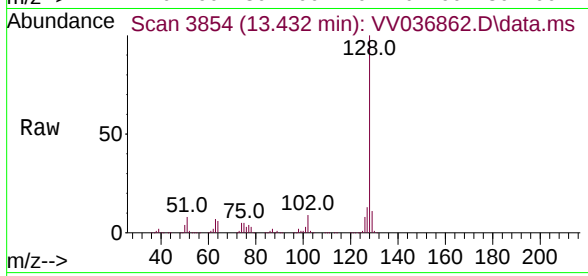


#71
Naphthalene
Concen: 48.560 ug/L
RT: 13.432 min Scan# 3854
Delta R.T. 0.000 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 633523

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.6	8.7	13.1



#72
1,2,3-Trichlorobenzene
Concen: 50.174 ug/L
RT: 13.673 min Scan# 3929
Delta R.T. 0.000 min
Lab File: VV036862.D
Acq: 08 Aug 2024 18:57

Tgt Ion:180 Resp: 199811

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.2
145	34.5	27.8	41.6

