

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080624\
 Data File : VV036813.D
 Acq On : 06 Aug 2024 15:19
 Operator : SY/MD
 Sample : P3433-08MS
 Misc : 1.33G/5 mL/100uL/5.00mL/MSVOA_V/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 07 05:02:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 07 04:57:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	442782	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	421356	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	220195	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	141334	39.964	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.920%
7) Chloroethane-d5	1.500	69	31268	11.211	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	22.420%#
11) 1,1-Dichloroethene-d2	2.031	65	59891	39.590	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.180%
21) 2-Butanone-d5	3.812	46	106939	57.071	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	57.070%
24) Chloroform-d	4.236	84	293348	46.222	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.440%
26) 1,2-Dichloroethane-d4	4.934	65	189438	46.425	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.860%
32) Benzene-d6	4.944	84	573422	45.057	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.120%
36) 1,2-Dichloropropane-d6	5.985	67	187845	45.752	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.500%
41) Toluene-d8	7.236	98	519789	44.525	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.040%
43) trans-1,3-Dichloroprop...	7.551	79	95296	44.599	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.200%
47) 2-Hexanone-d5	8.037	63	144404	122.322	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	122.320%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	250911	53.224	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.440%
66) 1,2-Dichlorobenzene-d4	11.557	152	211824	47.208	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	136654	38.706	ug/L #	79
3) Chloromethane	1.217	50	197712	53.511	ug/L	99
5) Vinyl chloride	1.278	62	196062	51.672	ug/L	99
6) Bromomethane	1.461	94	47206	19.760	ug/L	95
8) Chloroethane	1.513	64	29504	12.553	ug/L	92
9) Trichlorofluoromethane	1.664	101	243055	48.904	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.040	101	146781	50.120	ug/L	100
12) 1,1-Dichloroethene	2.043	96	136554	48.822	ug/L	89
13) Acetone	2.127	43	97774	62.366	ug/L	68
14) Carbon disulfide	2.211	76	419144	47.706	ug/L	99
15) Methyl Acetate	2.375	43	182218	56.421	ug/L	98
16) Methylene chloride	2.429	84	158248	50.326	ug/L	99
17) trans-1,2-Dichloroethene	2.670	96	144394	49.839	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	512019	50.179	ug/L	100
19) 1,1-Dichloroethane	3.092	63	289570	49.470	ug/L	98
20) cis-1,2-Dichloroethene	3.796	96	176393	51.872	ug/L	98
22) 2-Butanone	3.892	43	214935	102.339	ug/L	98
23) Bromochloromethane	4.130	128	85918	52.014	ug/L	99
25) Chloroform	4.265	83	306905	51.049	ug/L	99

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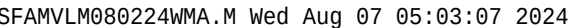
Instrument :
 MSVOA_V
 ClientSampleId :

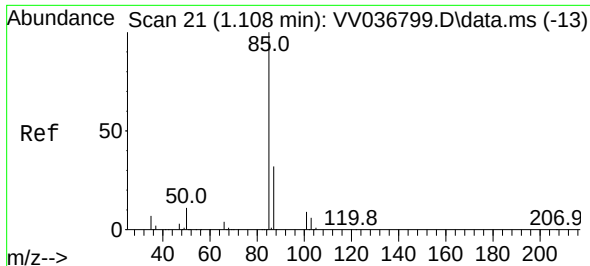
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	240307	50.674	ug/L	98
29) Cyclohexane	4.558	56	281090	52.358	ug/L	99
30) 1,1,1-Trichloroethane	4.493	97	262665	49.480	ug/L	99
31) Carbon tetrachloride	4.715	117	218469	49.003	ug/L	99
33) Benzene	4.995	78	661997	52.528	ug/L	100
34) Trichloroethene	5.821	95	184772	50.588	ug/L	99
35) Methylcyclohexane	6.037	83	292449	52.179	ug/L	97
37) 1,2-Dichloropropane	6.088	63	176156	52.764	ug/L	100
38) Bromodichloromethane	6.429	83	232785	50.633	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	299826	52.438	ug/L	100
40) 4-Methyl-2-pentanone	7.169	43	457357	110.588	ug/L	96
42) Toluene	7.310	91	699707	52.125	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	272568	51.157	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	170209	52.645	ug/L	98
46) Tetrachloroethene	7.898	164	121127	50.558	ug/L	99
48) 2-Hexanone	8.085	43	340145	111.797	ug/L	96
49) Dibromochloromethane	8.175	129	170305	51.258	ug/L	100
50) 1,2-Dibromoethane	8.281	107	177889	53.030	ug/L	98
51) Chlorobenzene	8.812	112	447922	52.005	ug/L	99
52) Ethylbenzene	8.943	91	800931	52.255	ug/L	99
53) m,p-Xylene	9.069	106	298104	52.032	ug/L	98
54) o-Xylene	9.474	106	294269	52.514	ug/L	98
55) Styrene	9.493	104	512057	53.323	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	250452	57.409	ug/L	99
59) Bromoform	9.664	173	118260	48.547	ug/L	98
60) Isopropylbenzene	9.863	105	798088	49.785	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	205039	51.727	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	677414	50.757	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	685199	51.287	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	357672	51.884	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	361527	51.572	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	355200	52.758	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	59367	51.828	ug/L	96
69) 1,3,5-Trichlorobenzene	12.577	180	261843	53.524	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	251539	53.611	ug/L	99
71) Naphthalene	13.432	128	875951	58.218	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	249228	54.265	ug/L	99

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

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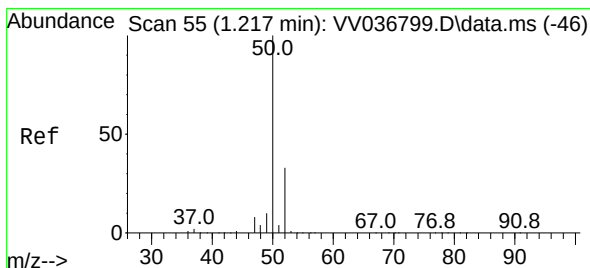
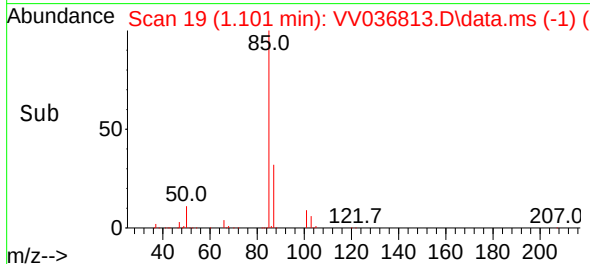
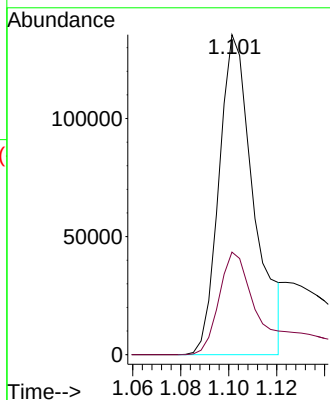
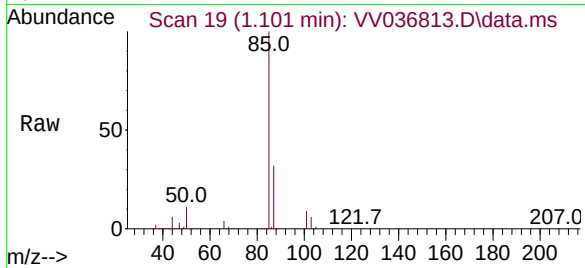




#2
 Dichlorodifluoromethane
 Concen: 38.706 ug/L
 RT: 1.101 min Scan# 19
 Delta R.T. -0.007 min
 Lab File: VV036813.D
 Acq: 06 Aug 2024 15:19

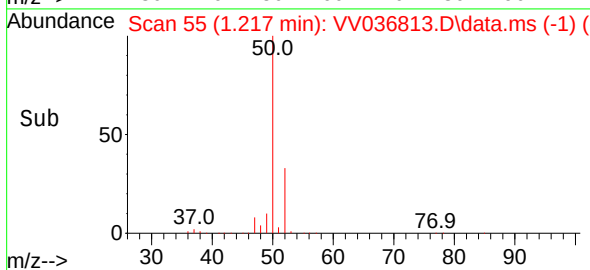
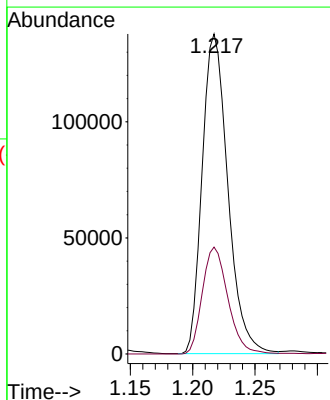
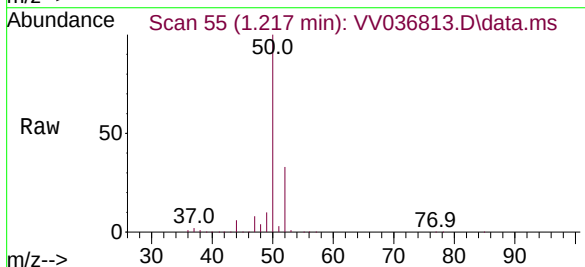
Instrument :
 MSVOA_V
 ClientSampleId :

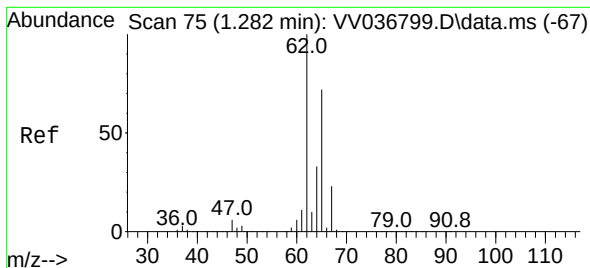
Tgt Ion: 85 Resp: 136654
 Ion Ratio Lower Upper
 85 100
 87 44.3 25.9 38.9#



#3
 Chloromethane
 Concen: 53.511 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV036813.D
 Acq: 06 Aug 2024 15:19

Tgt Ion: 50 Resp: 197712
 Ion Ratio Lower Upper
 50 100
 52 33.4 23.0 42.8





#5

Vinyl chloride

Concen: 51.672 ug/L

RT: 1.278 min Scan# 74

Delta R.T. -0.003 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Instrument :

MSVOA_V

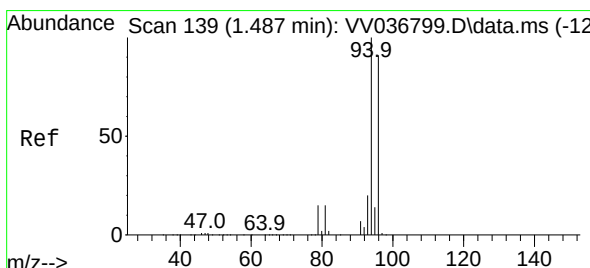
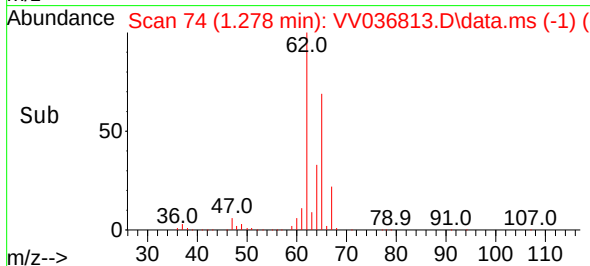
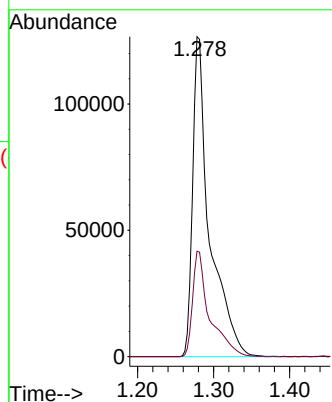
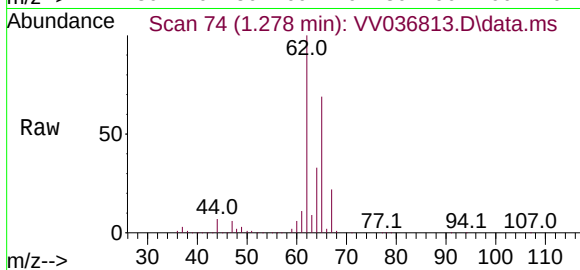
ClientSampleId :

Tgt Ion: 62 Resp: 196062

Ion Ratio Lower Upper

62 100

64 33.0 23.6 43.8



#6

Bromomethane

Concen: 19.760 ug/L

RT: 1.461 min Scan# 131

Delta R.T. -0.026 min

Lab File: VV036813.D

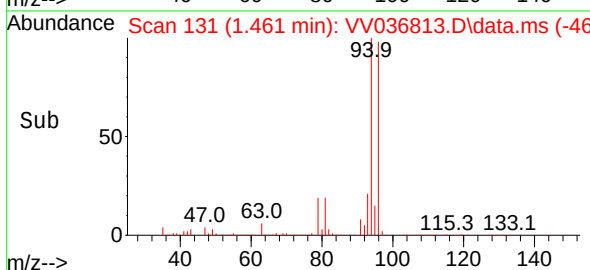
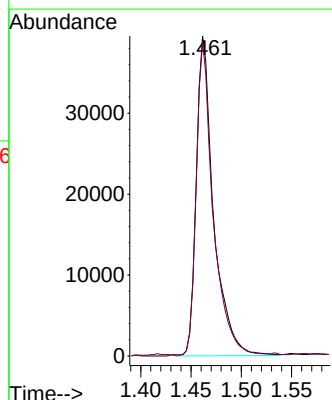
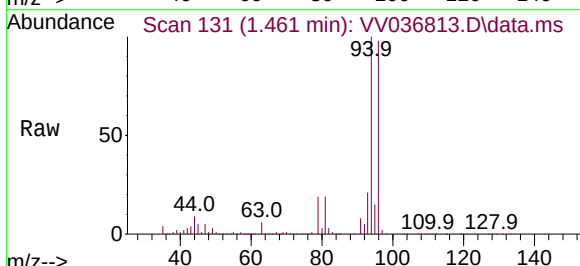
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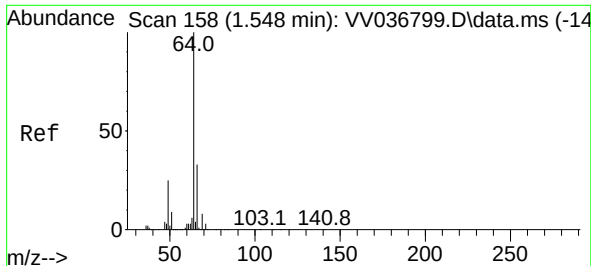
Tgt Ion: 94 Resp: 47206

Ion Ratio Lower Upper

94 100

96 98.1 65.5 121.7

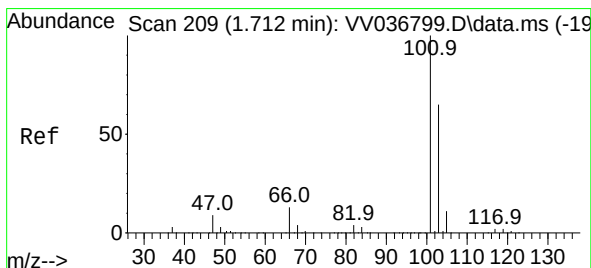
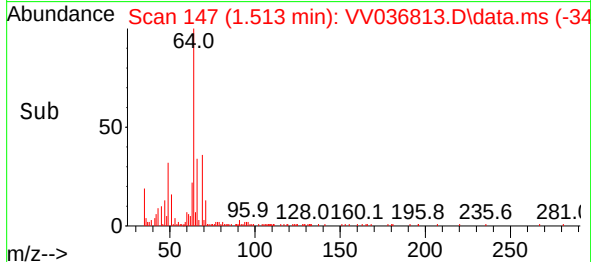
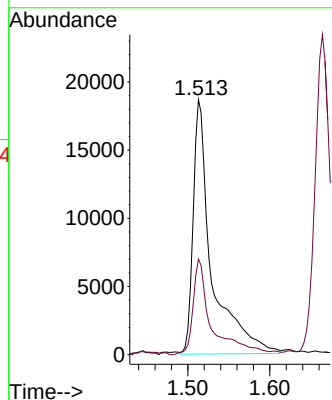
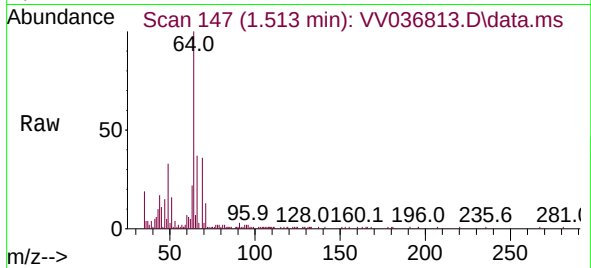




#8
Chloroethane
Concen: 12.553 ug/L
RT: 1.513 min Scan# 14
Delta R.T. -0.036 min
Lab File: VV036813.D
Acq: 06 Aug 2024 15:19

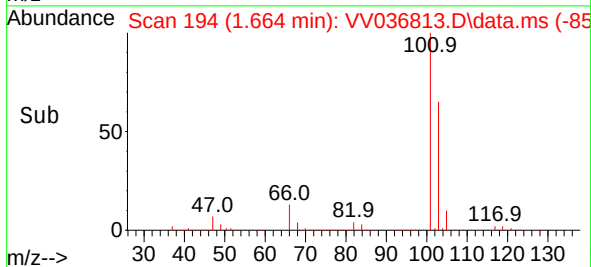
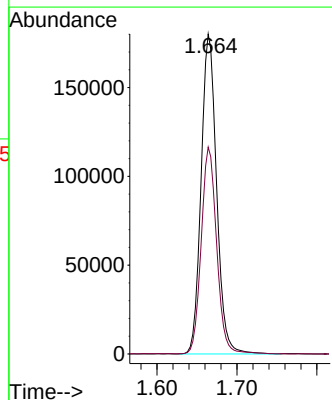
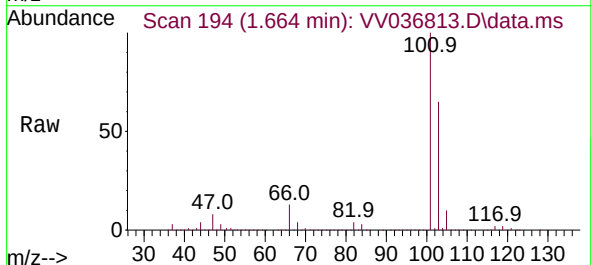
Instrument :
MSVOA_V
ClientSampleId :

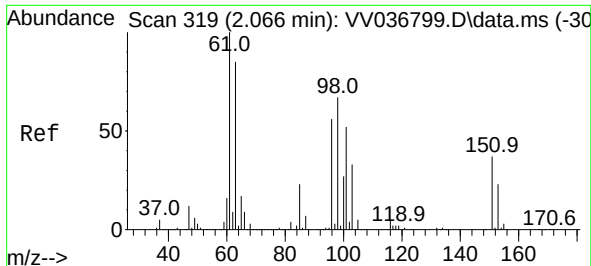
Tgt Ion: 64 Resp: 29504
Ion Ratio Lower Upper
64 100
66 37.4 23.2 43.0



#9
Trichlorofluoromethane
Concen: 48.904 ug/L
RT: 1.664 min Scan# 194
Delta R.T. -0.048 min
Lab File: VV036813.D
Acq: 06 Aug 2024 15:19

Tgt Ion:101 Resp: 243055
Ion Ratio Lower Upper
101 100
103 64.4 51.4 77.0





#10

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

Concen: 50.120 ug/L

RT: 2.040 min Scan# 311

Delta R.T. -0.026 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :

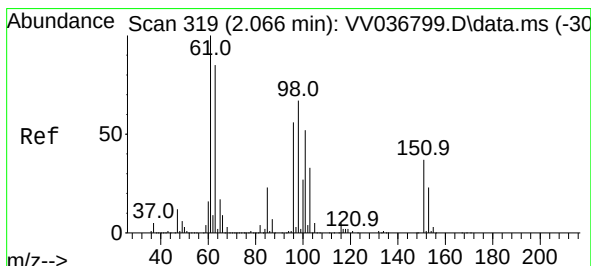
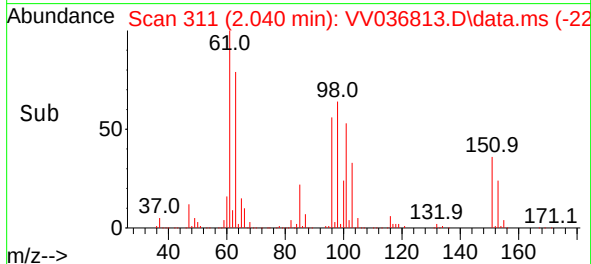
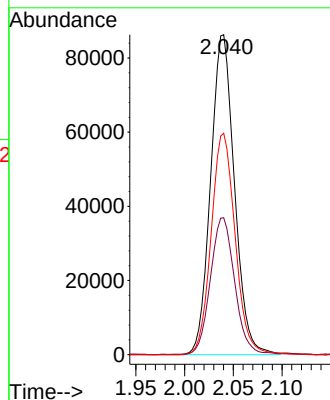
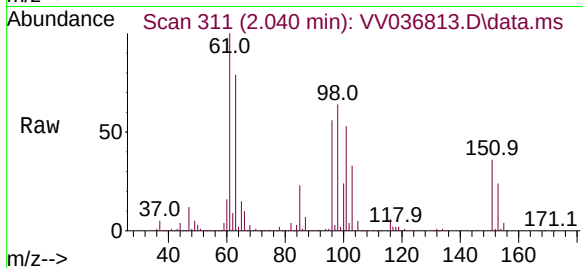
Tgt Ion:101 Resp: 146781

Ion Ratio Lower Upper

101 100

85 43.3 34.6 51.8

151 69.8 55.9 83.9



#12

1,1-Dichloroethene

Concen: 48.822 ug/L

RT: 2.043 min Scan# 312

Delta R.T. -0.023 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

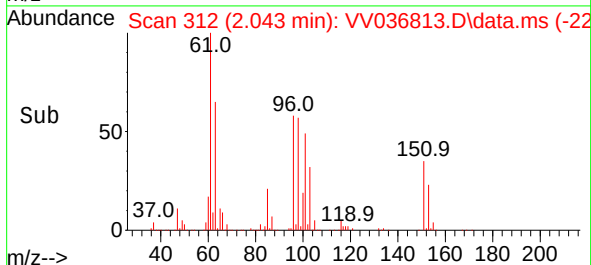
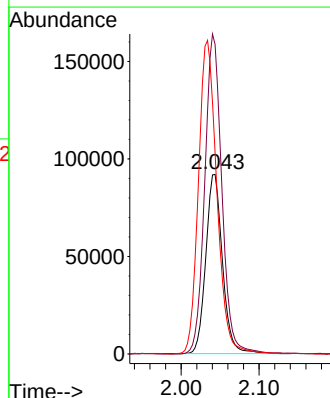
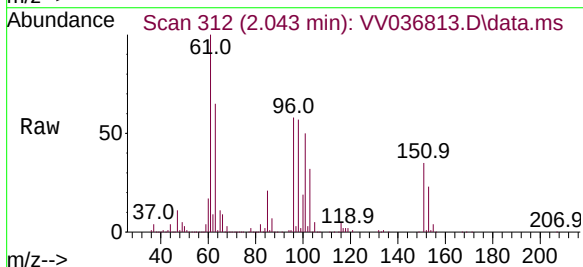
Tgt Ion: 96 Resp: 136554

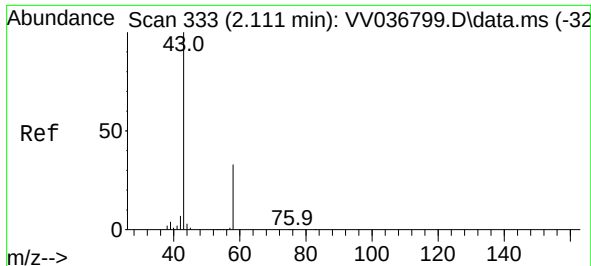
Ion Ratio Lower Upper

96 100

61 172.4 125.6 233.2

63 112.2 95.1 176.7





#13

Acetone

Concen: 62.366 ug/L

RT: 2.127 min Scan# 341

Delta R.T. 0.016 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Instrument :

MSVOA_V

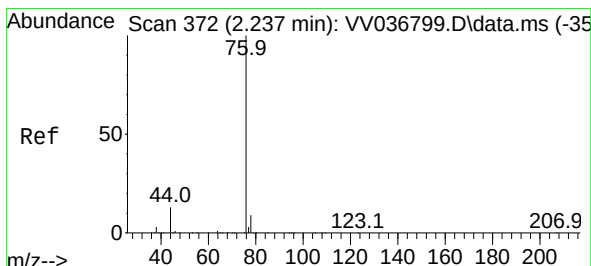
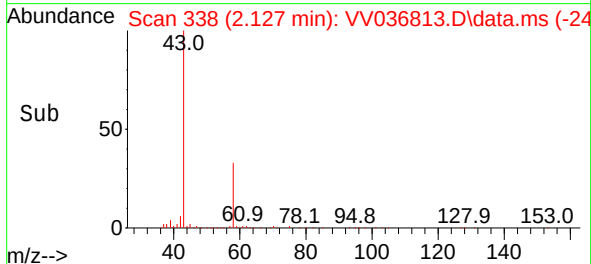
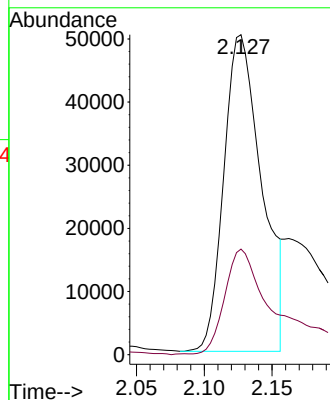
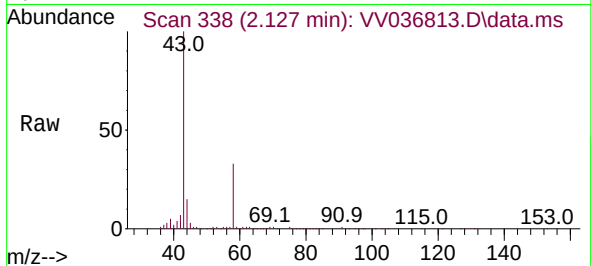
ClientSampleId :

Tgt Ion: 43 Resp: 97774

Ion Ratio Lower Upper

43 100

58 49.7 0.0 63.4



#14

Carbon disulfide

Concen: 47.706 ug/L

RT: 2.211 min Scan# 364

Delta R.T. -0.026 min

Lab File: VV036813.D

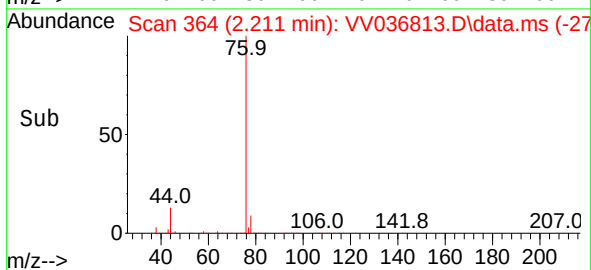
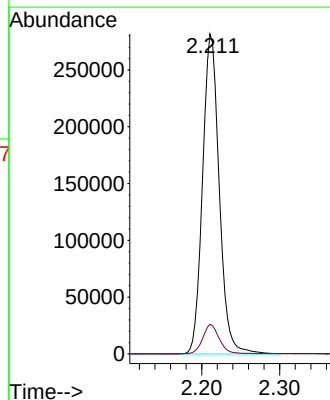
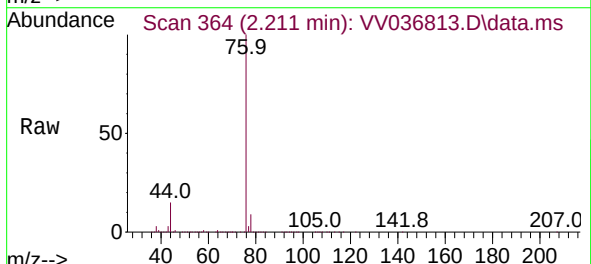
Acq: 06 Aug 2024 15:19

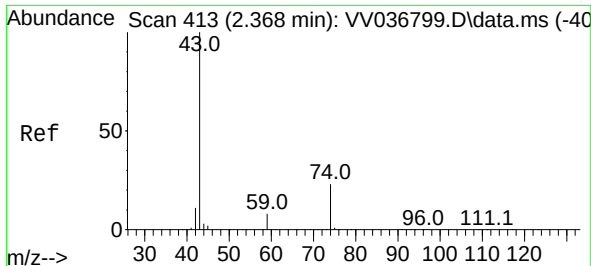
Tgt Ion: 76 Resp: 419144

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7





#15

Methyl Acetate

Concen: 56.421 ug/L

RT: 2.375 min Scan# 41

Delta R.T. 0.006 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Instrument :

MSVOA_V

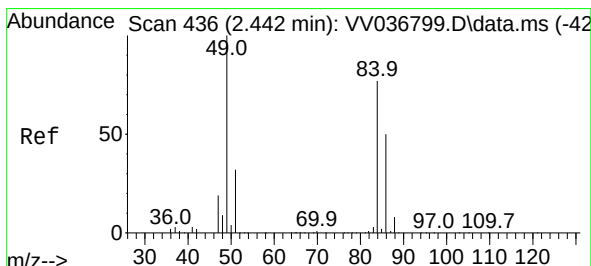
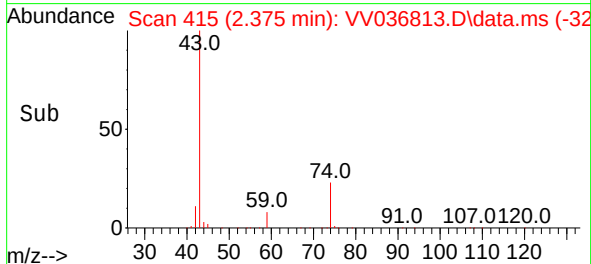
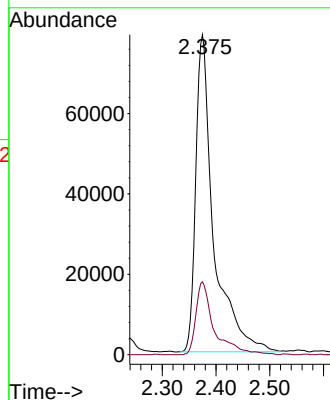
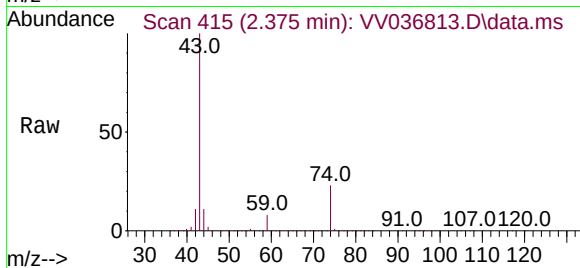
ClientSampleId :

Tgt Ion: 43 Resp: 182218

Ion Ratio Lower Upper

43 100

74 22.8 19.0 28.4



#16

Methylene chloride

Concen: 50.326 ug/L

RT: 2.429 min Scan# 432

Delta R.T. -0.013 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

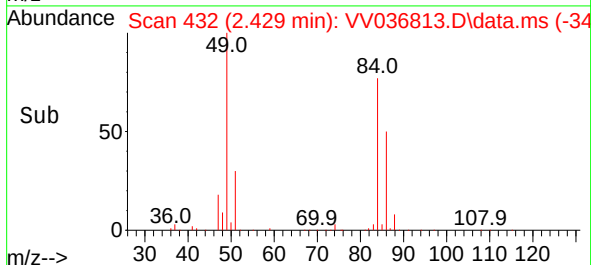
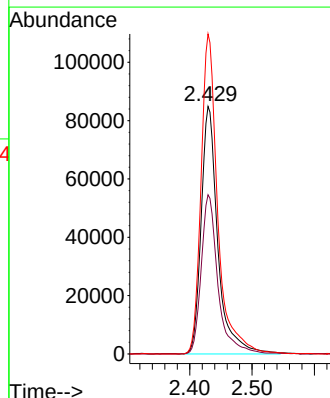
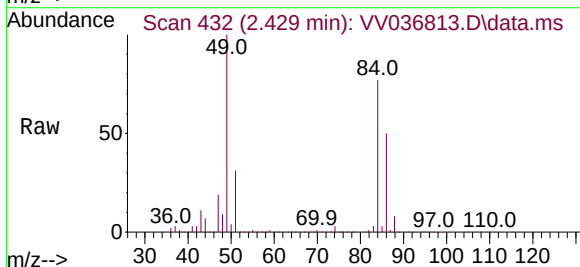
Tgt Ion: 84 Resp: 158248

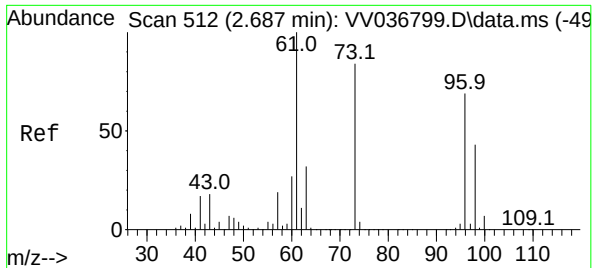
Ion Ratio Lower Upper

84 100

86 64.3 44.3 82.3

49 129.2 91.1 169.1





#17

trans-1,2-Dichloroethene

Concen: 49.839 ug/L

RT: 2.670 min Scan# 512

Delta R.T. -0.016 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :

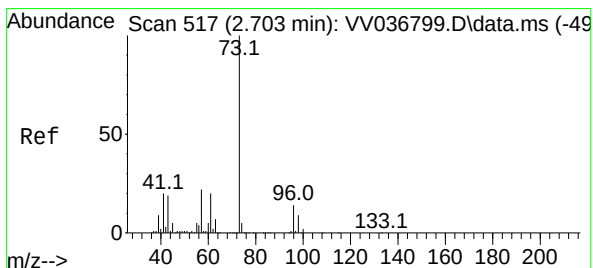
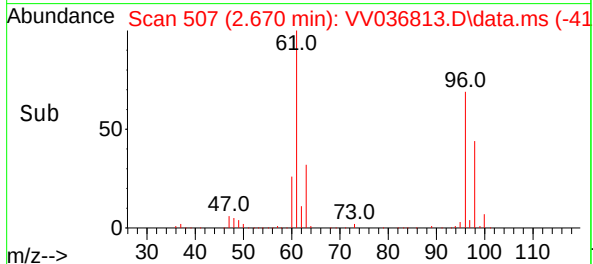
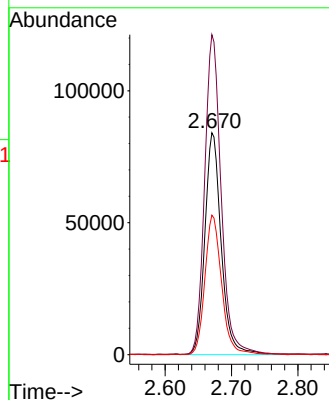
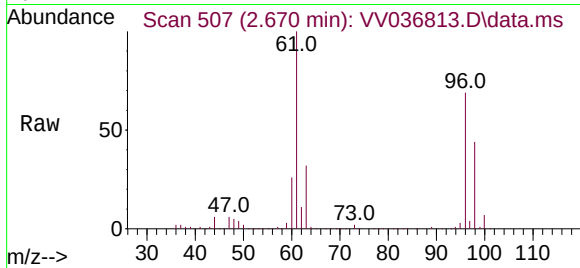
Tgt Ion: 96 Resp: 144394

Ion Ratio Lower Upper

96 100

61 144.2 100.0 185.8

98 62.9 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 50.179 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.006 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

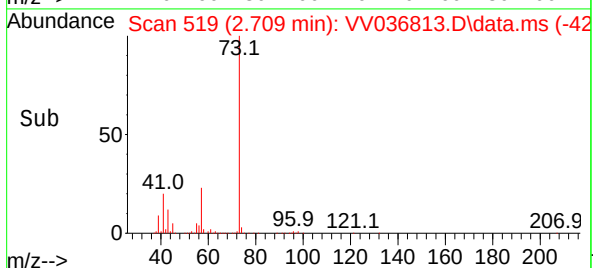
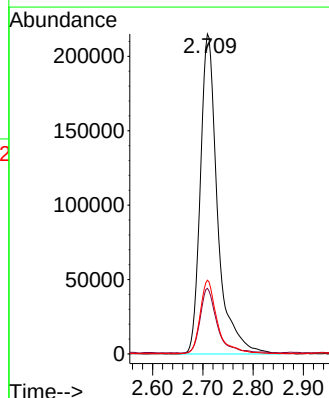
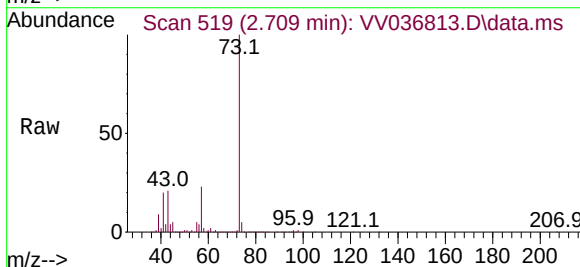
Tgt Ion: 73 Resp: 512019

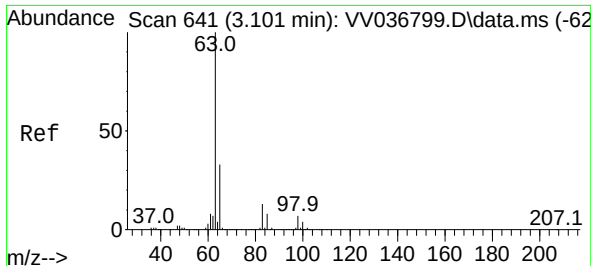
Ion Ratio Lower Upper

73 100

43 20.0 16.1 24.1

57 22.5 17.9 26.9

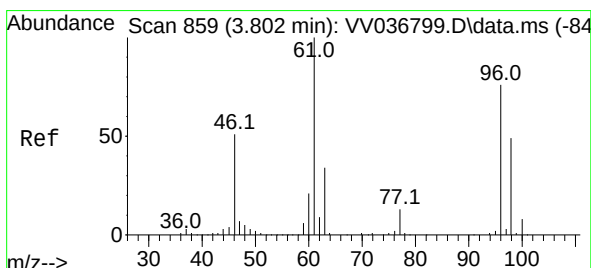
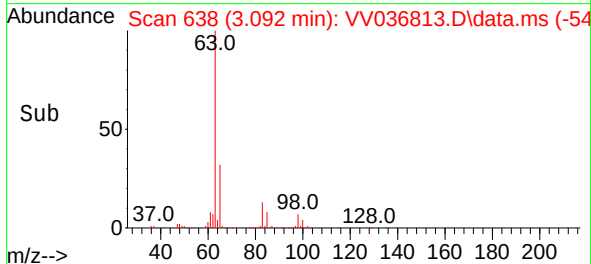
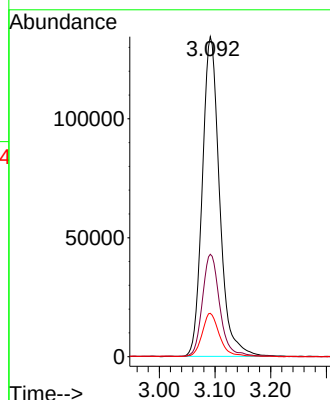
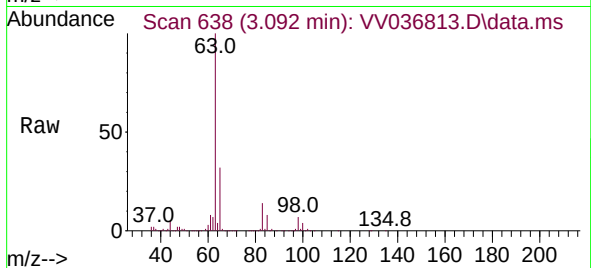




#19
1,1-Dichloroethane
Concen: 49.470 ug/L
RT: 3.092 min Scan# 641
Delta R.T. -0.010 min
Lab File: VV036813.D
Acq: 06 Aug 2024 15:19

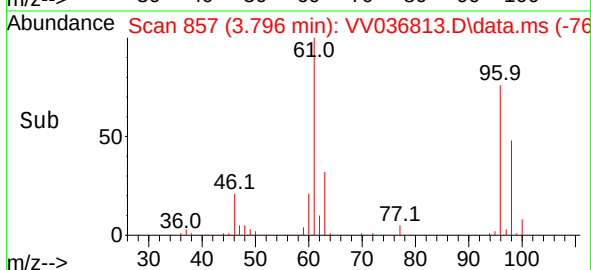
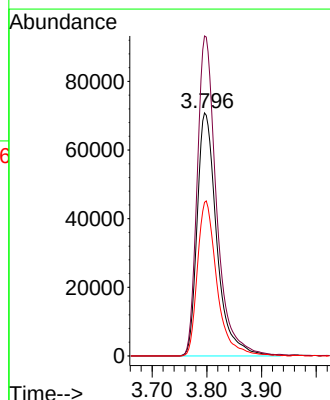
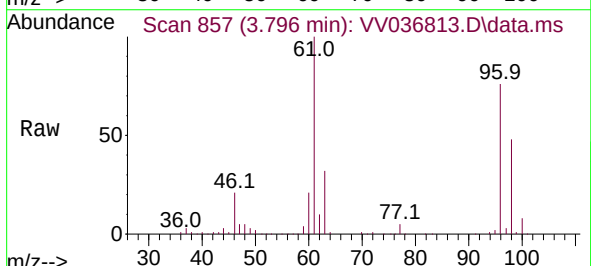
Instrument :
MSVOA_V
ClientSampleId :

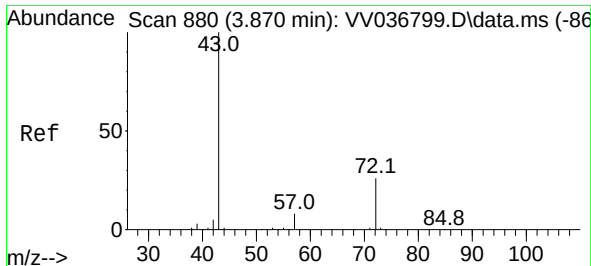
Tgt Ion: 63 Resp: 289570
Ion Ratio Lower Upper
63 100
65 32.0 23.2 43.0
83 13.6 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 51.872 ug/L
RT: 3.796 min Scan# 857
Delta R.T. -0.007 min
Lab File: VV036813.D
Acq: 06 Aug 2024 15:19

Tgt Ion: 96 Resp: 176393
Ion Ratio Lower Upper
96 100
61 131.7 93.9 174.5
98 63.2 46.0 85.4

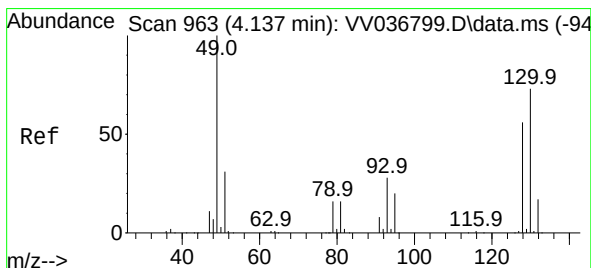
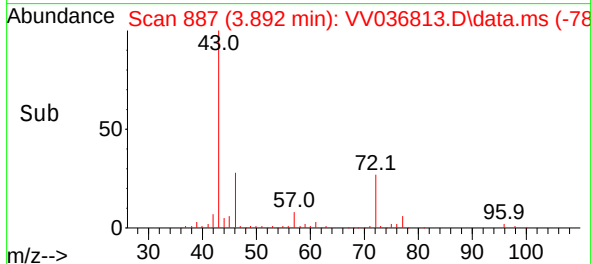
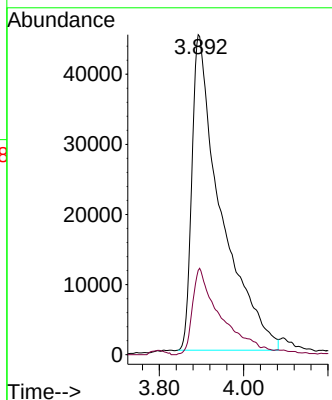
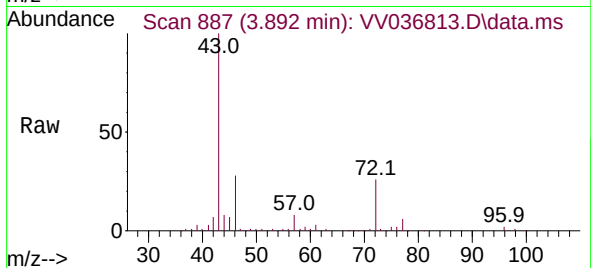




#22
2-Butanone
Concen: 102.339 ug/L
RT: 3.892 min Scan# 880
Delta R.T. 0.022 min
Lab File: VV036813.D
Acq: 06 Aug 2024 15:19

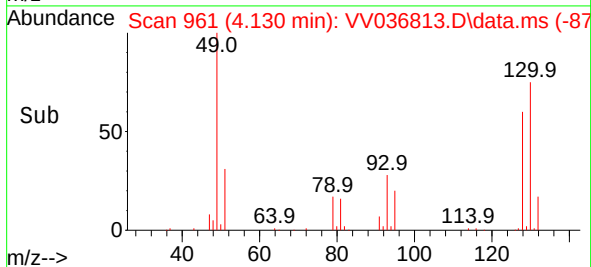
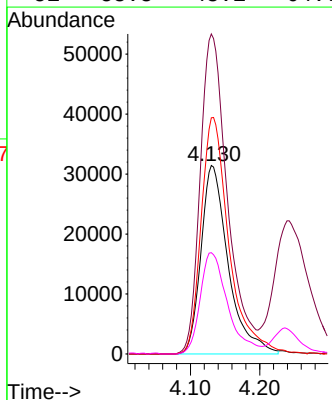
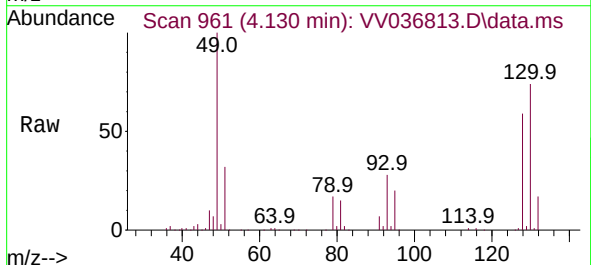
Instrument :
MSVOA_V
ClientSampleId :

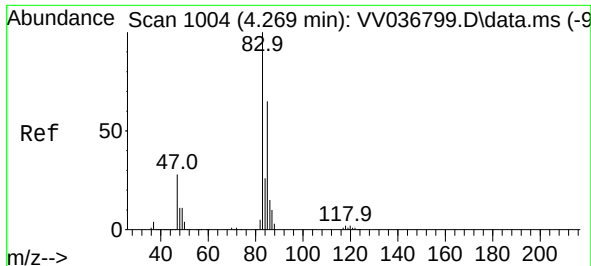
Tgt Ion: 43 Resp: 214935
Ion Ratio Lower Upper
43 100
72 26.2 12.5 37.5



#23
Bromochloromethane
Concen: 52.014 ug/L
RT: 4.130 min Scan# 961
Delta R.T. -0.007 min
Lab File: VV036813.D
Acq: 06 Aug 2024 15:19

Tgt Ion: 128 Resp: 85918
Ion Ratio Lower Upper
128 100
49 169.7 120.0 223.0
130 125.2 87.0 161.6
51 53.8 43.1 64.7





#25

Chloroform

Concen: 51.049 ug/L

RT: 4.265 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Instrument :

MSVOA_V

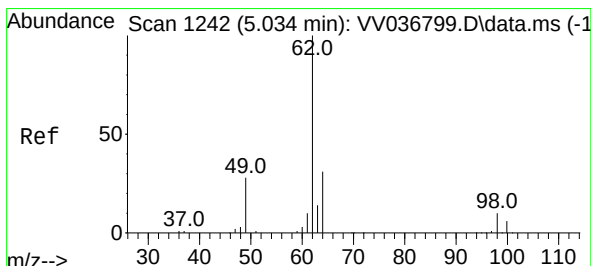
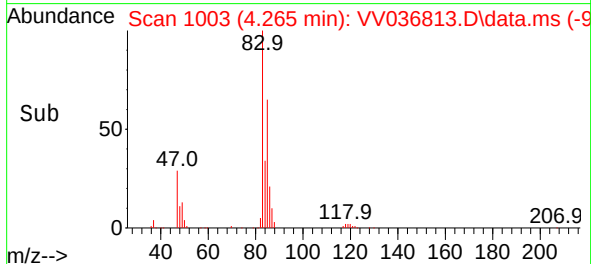
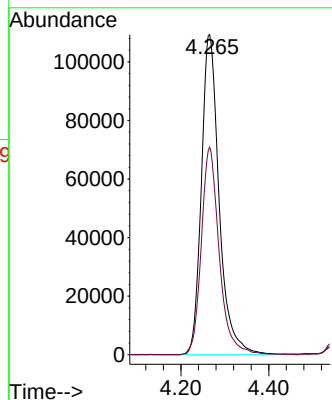
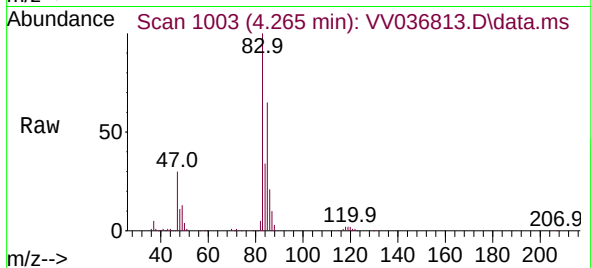
ClientSampleId :

Tgt Ion: 83 Resp: 306905

Ion Ratio Lower Upper

83 100

85 64.9 46.0 85.4



#27

1,2-Dichloroethane

Concen: 50.674 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.000 min

Lab File: VV036813.D

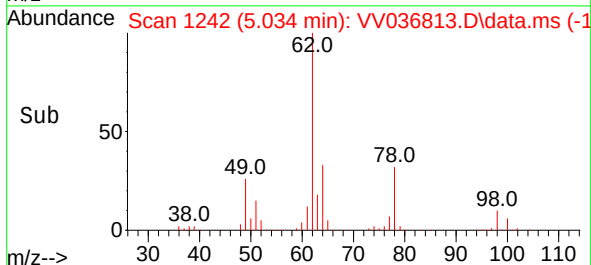
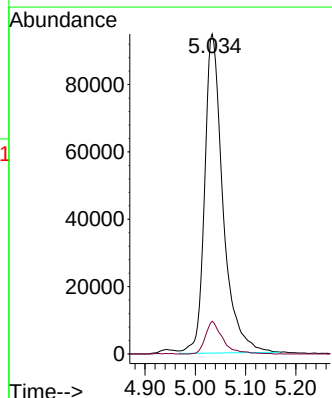
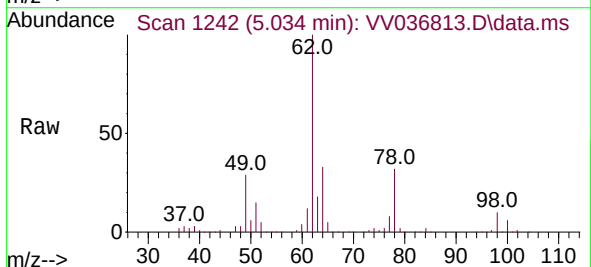
Acq: 06 Aug 2024 15:19

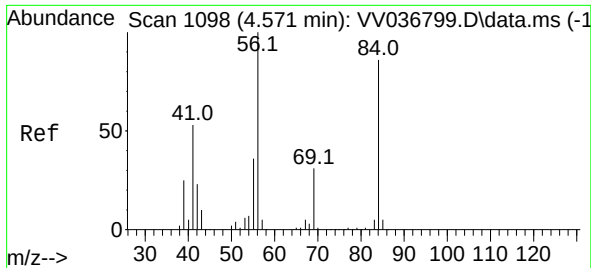
Tgt Ion: 62 Resp: 240307

Ion Ratio Lower Upper

62 100

98 10.2 7.5 11.3





#29

Cyclohexane

Concen: 52.358 ug/L

RT: 4.558 min Scan# 1094

Delta R.T. -0.013 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :

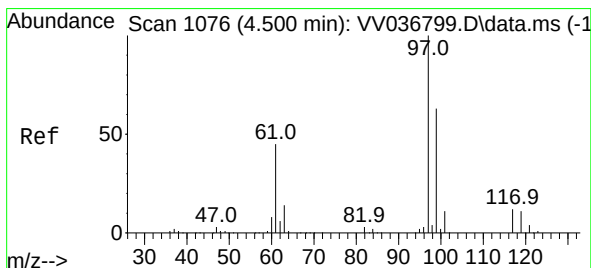
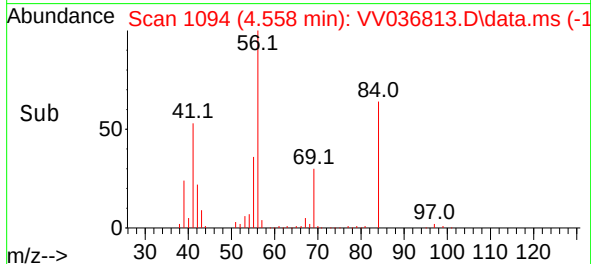
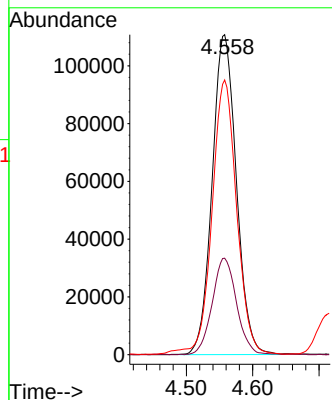
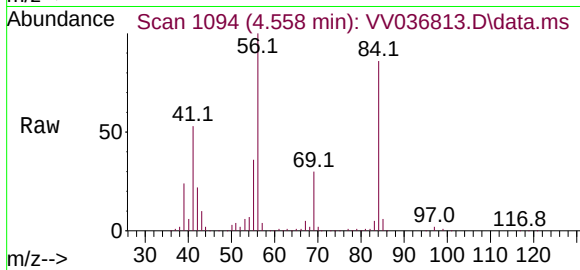
Tgt Ion: 56 Resp: 281090

Ion Ratio Lower Upper

56 100

69 30.4 24.7 37.1

84 87.1 68.5 102.7



#30

1,1,1-Trichloroethane

Concen: 49.480 ug/L

RT: 4.493 min Scan# 1074

Delta R.T. -0.007 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

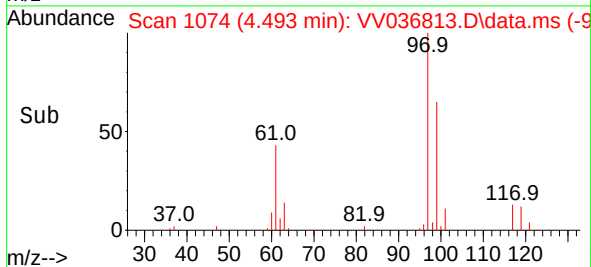
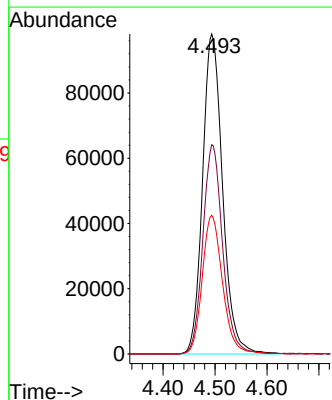
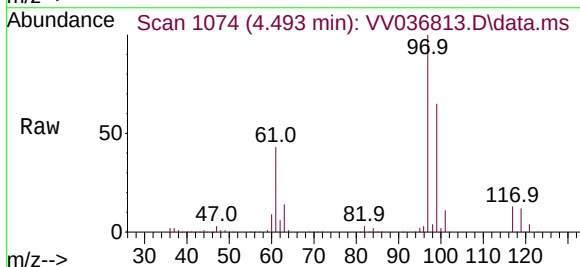
Tgt Ion: 97 Resp: 262665

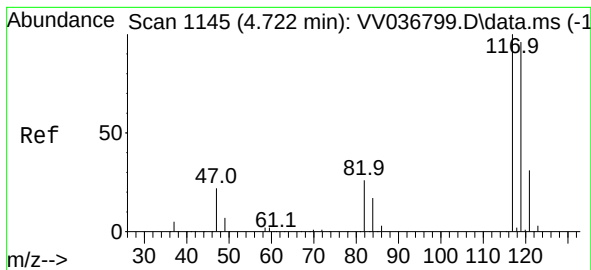
Ion Ratio Lower Upper

97 100

99 64.6 51.5 77.3

61 43.9 36.0 54.0





#31

Carbon tetrachloride

Concen: 49.003 ug/L

RT: 4.715 min Scan# 1143

Delta R.T. -0.007 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Instrument :

MSVOA_V

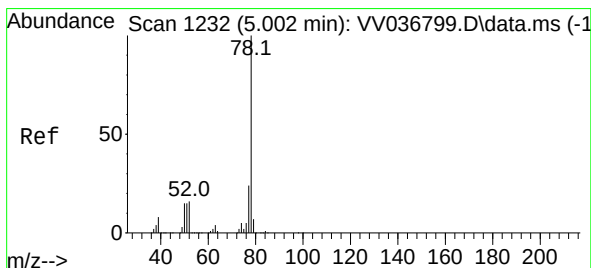
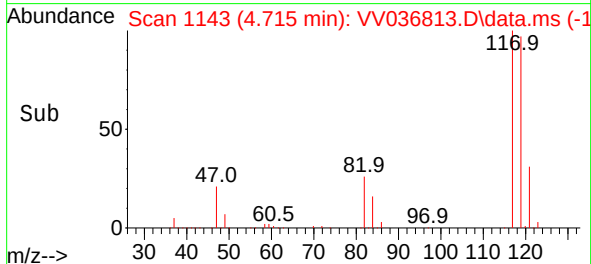
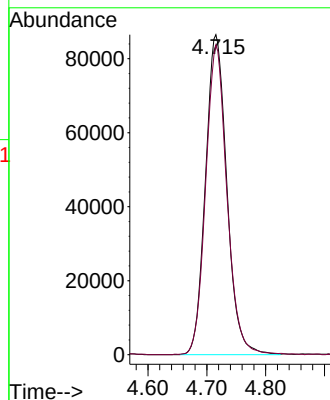
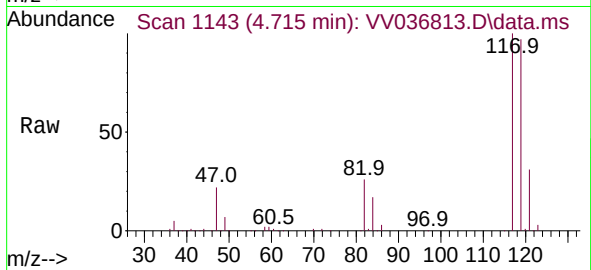
ClientSampleId :

Tgt Ion:117 Resp: 218469

Ion Ratio Lower Upper

117 100

119 96.0 76.1 114.1



#33

Benzene

Concen: 52.528 ug/L

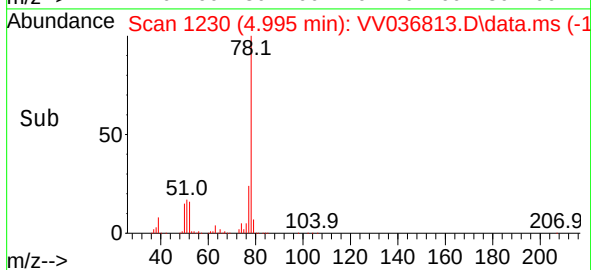
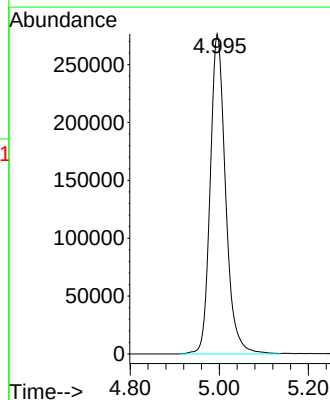
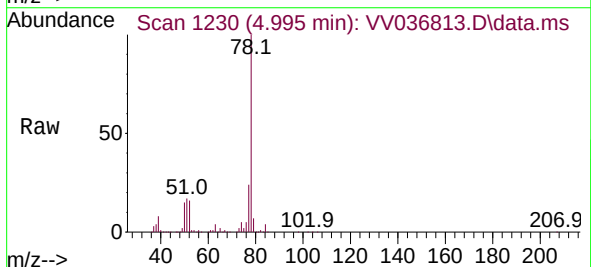
RT: 4.995 min Scan# 1230

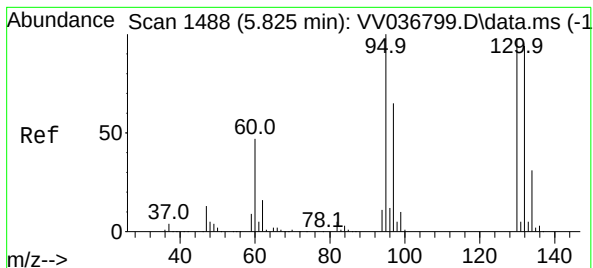
Delta R.T. -0.007 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Tgt Ion: 78 Resp: 661997





#34

Trichloroethene

Concen: 50.588 ug/L

RT: 5.821 min Scan# 1487

Delta R.T. -0.003 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 184772

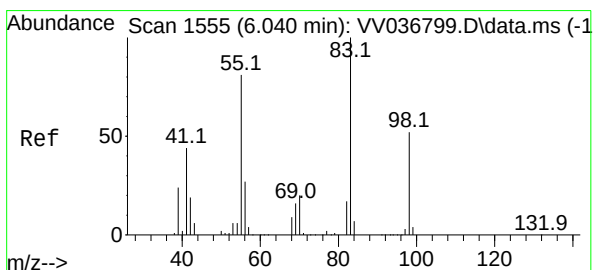
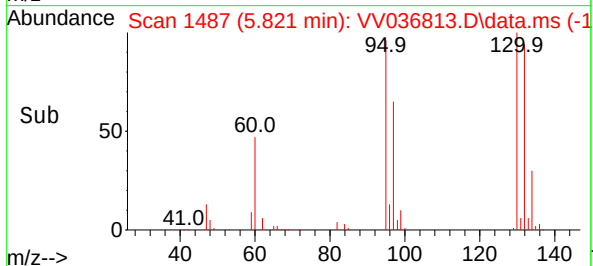
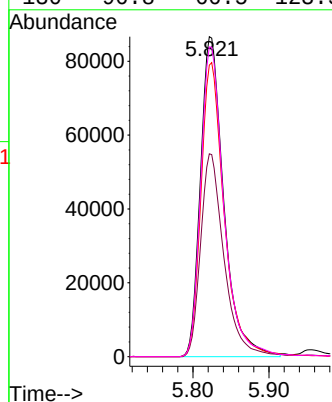
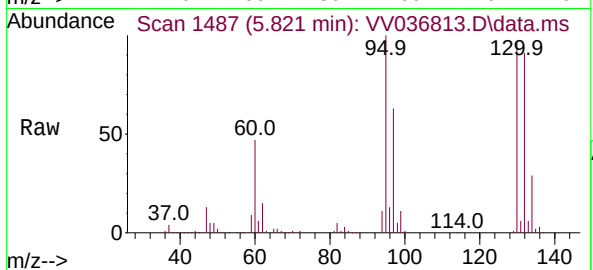
Ion Ratio Lower Upper

95 100

97 63.4 44.7 82.9

132 91.1 62.9 116.9

130 96.8 66.5 123.5



#35

Methylcyclohexane

Concen: 52.179 ug/L

RT: 6.037 min Scan# 1554

Delta R.T. -0.003 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

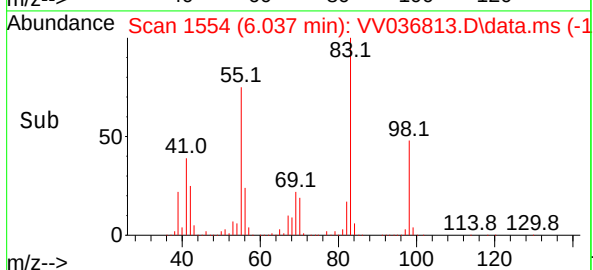
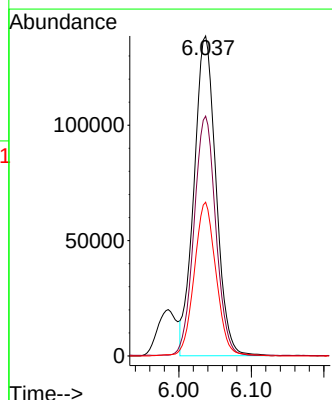
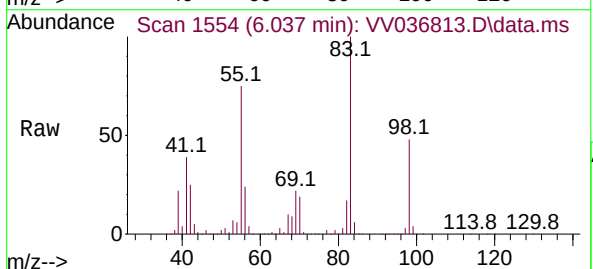
Tgt Ion: 83 Resp: 292449

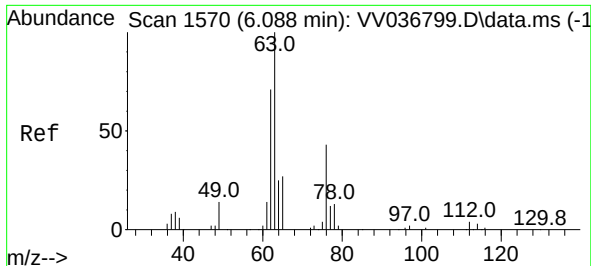
Ion Ratio Lower Upper

83 100

55 73.9 62.3 93.5

98 47.8 38.7 58.1





#37

1,2-Dichloropropane

Concen: 52.764 ug/L

RT: 6.088 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Instrument :

MSVOA_V

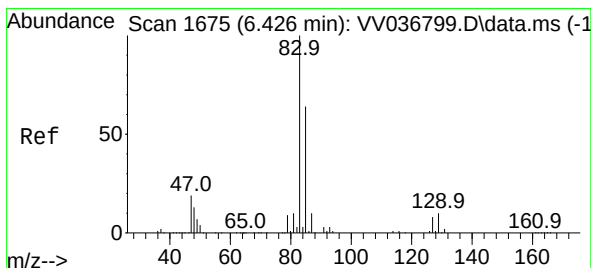
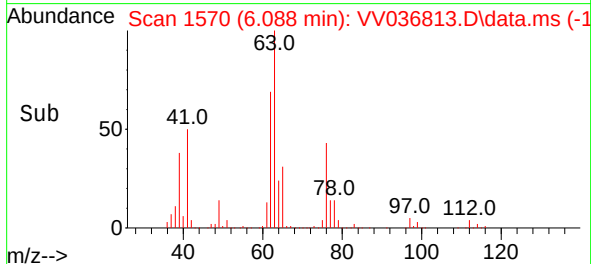
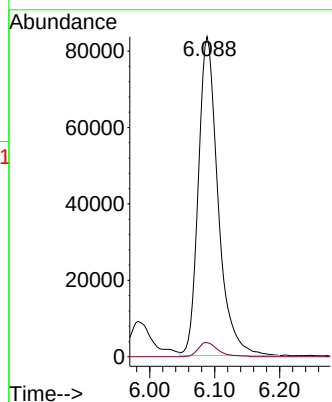
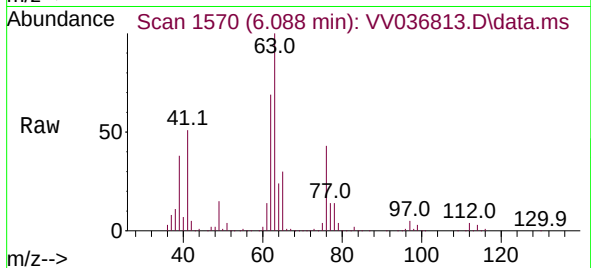
ClientSampleId :

Tgt Ion: 63 Resp: 176156

Ion Ratio Lower Upper

63 100

112 4.5 3.6 5.4



#38

Bromodichloromethane

Concen: 50.633 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.003 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

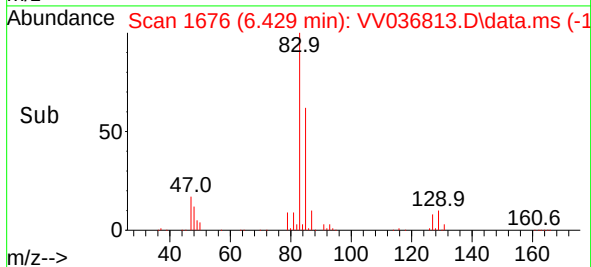
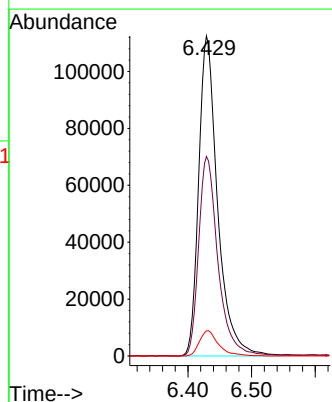
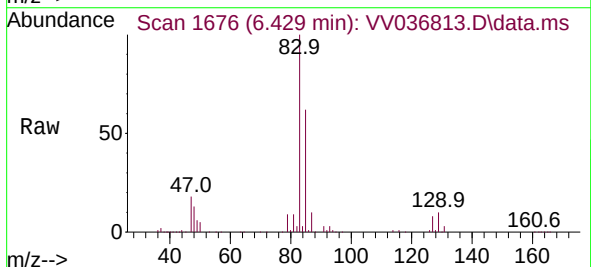
Tgt Ion: 83 Resp: 232785

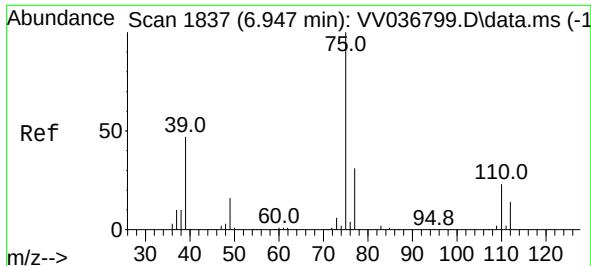
Ion Ratio Lower Upper

83 100

85 62.4 44.7 83.1

127 7.8 6.2 9.4

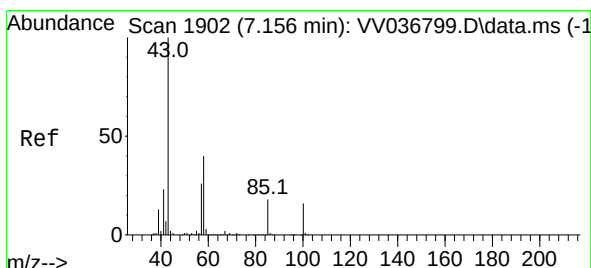
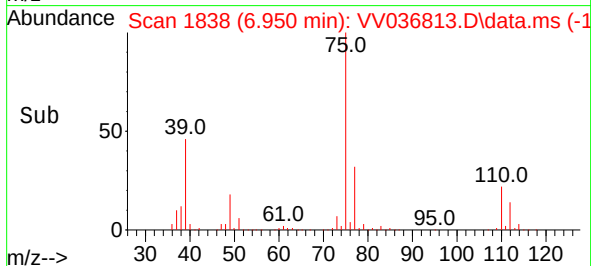
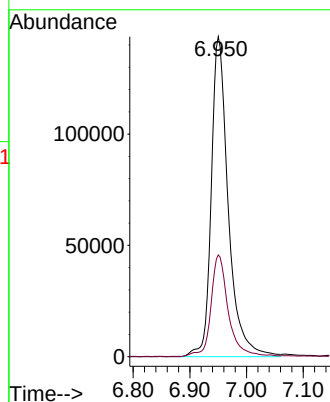
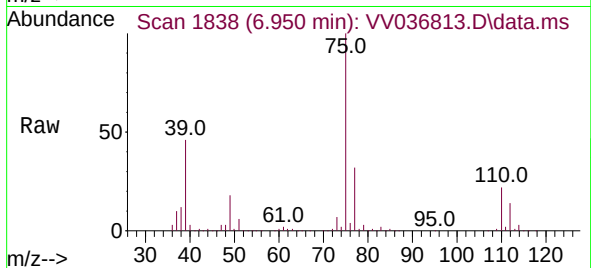




#39
cis-1,3-Dichloropropene
Concen: 52.438 ug/L
RT: 6.950 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV036813.D
Acq: 06 Aug 2024 15:19

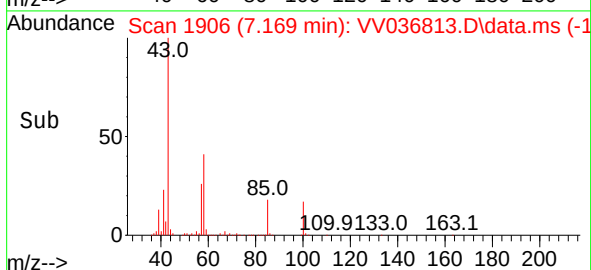
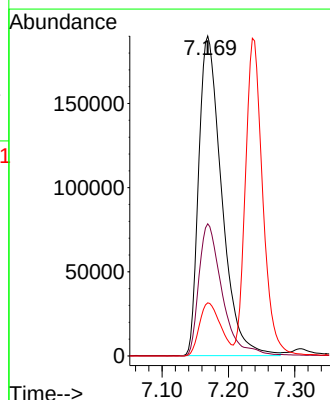
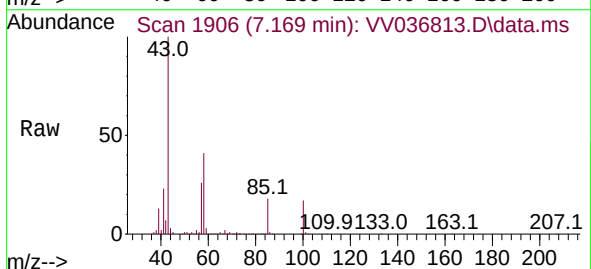
Instrument :
MSVOA_V
ClientSampleId :

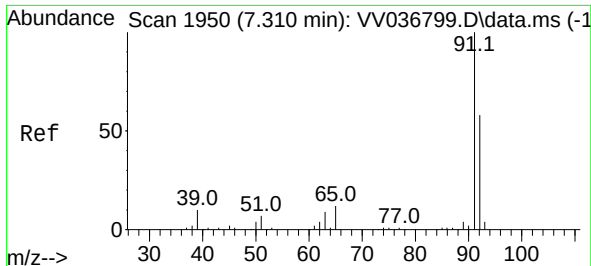
Tgt Ion: 75 Resp: 299826
Ion Ratio Lower Upper
75 100
77 31.8 22.2 41.2



#40
4-Methyl-2-pentanone
Concen: 110.588 ug/L
RT: 7.169 min Scan# 1906
Delta R.T. 0.013 min
Lab File: VV036813.D
Acq: 06 Aug 2024 15:19

Tgt Ion: 43 Resp: 457357
Ion Ratio Lower Upper
43 100
58 42.1 31.3 46.9
100 15.6 12.6 18.8





#42

Toluene

Concen: 52.125 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Instrument :

MSVOA_V

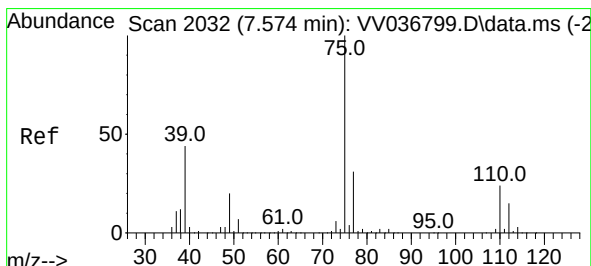
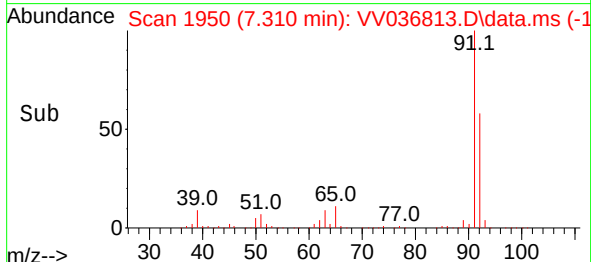
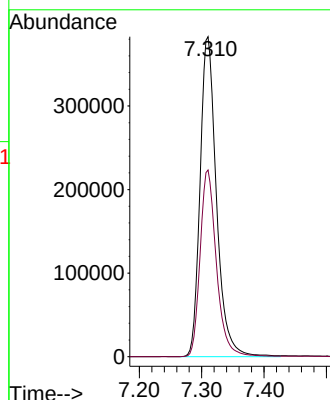
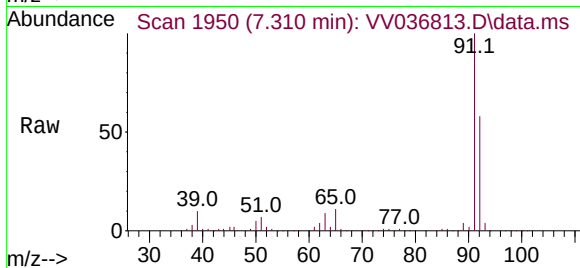
ClientSampleId :

Tgt Ion: 91 Resp: 699707

Ion Ratio Lower Upper

91 100

92 58.4 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 51.157 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.006 min

Lab File: VV036813.D

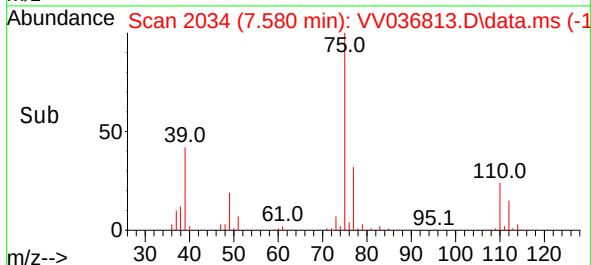
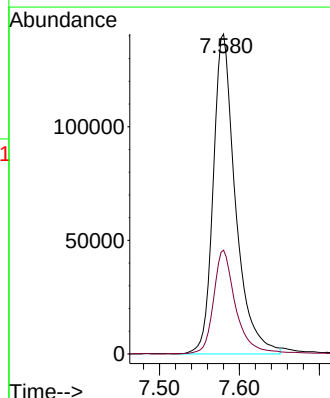
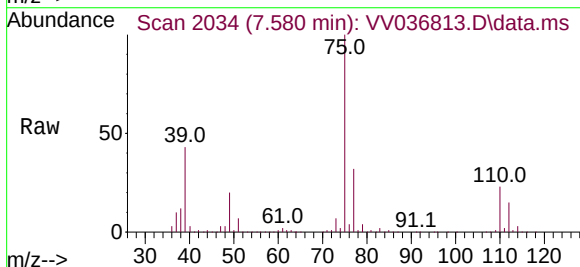
Acq: 06 Aug 2024 15:19

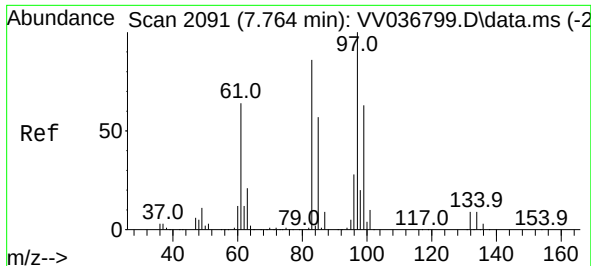
Tgt Ion: 75 Resp: 272568

Ion Ratio Lower Upper

75 100

77 32.5 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 52.645 ug/L

RT: 7.767 min Scan# 2091

Delta R.T. 0.003 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 170209

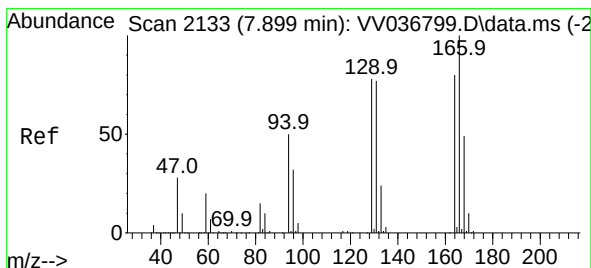
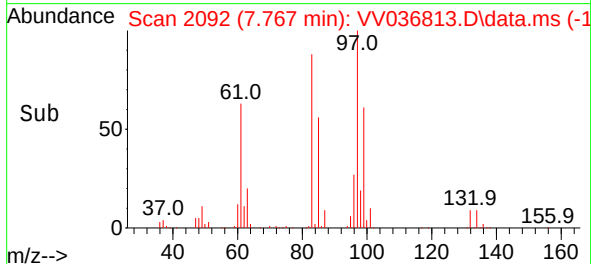
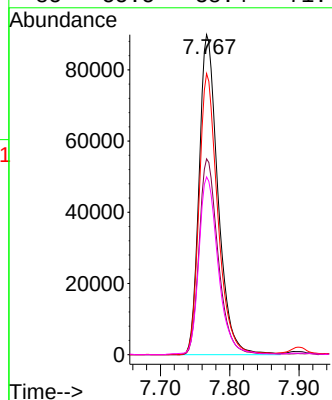
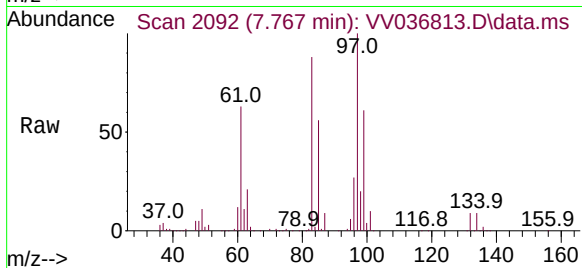
Ion Ratio Lower Upper

97 100

99 61.2 44.0 81.6

83 87.9 60.1 111.5

85 55.5 38.4 71.4



#46

Tetrachloroethene

Concen: 50.558 ug/L

RT: 7.898 min Scan# 2133

Delta R.T. -0.000 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Tgt Ion: 164 Resp: 121127

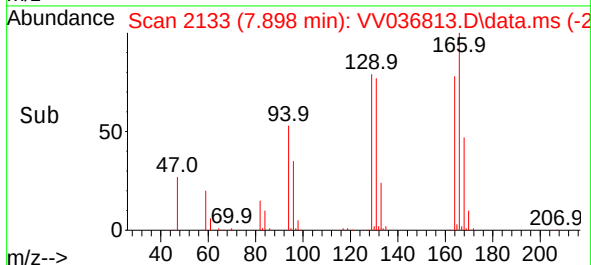
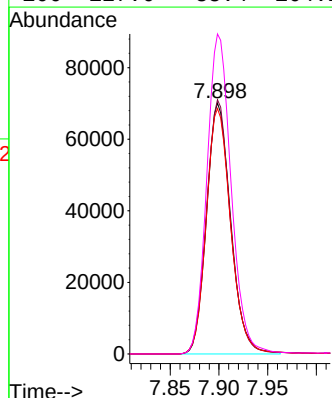
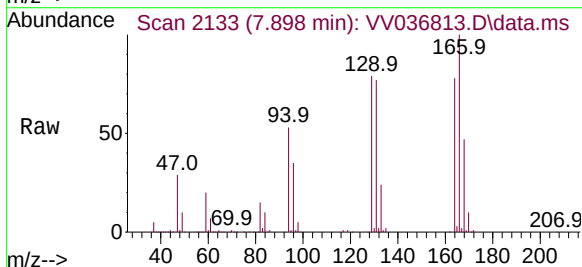
Ion Ratio Lower Upper

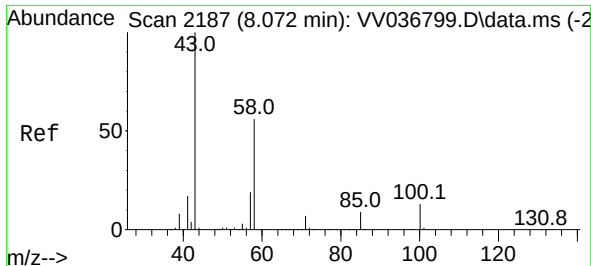
164 100

129 101.4 70.4 130.8

131 97.9 67.7 125.7

166 127.6 88.4 164.2





#48

2-Hexanone

Concen: 111.797 ug/L

RT: 8.085 min Scan# 2187

Delta R.T. 0.013 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 340145

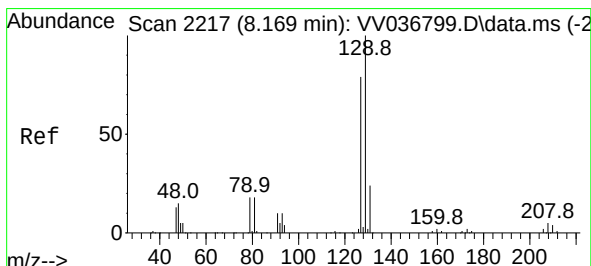
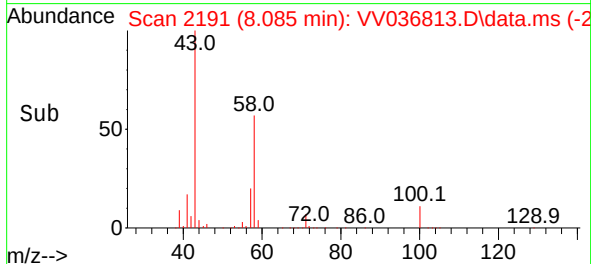
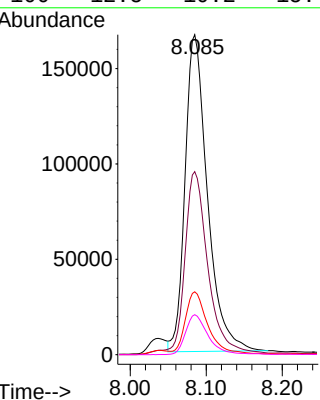
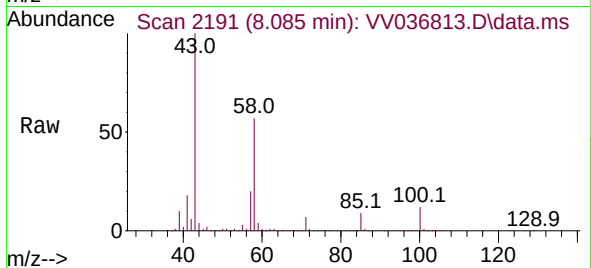
Ion Ratio Lower Upper

43 100

58 60.4 44.7 67.1

57 19.1 15.0 22.4

100 12.5 10.2 15.4



#49

Dibromochloromethane

Concen: 51.258 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.006 min

Lab File: VV036813.D

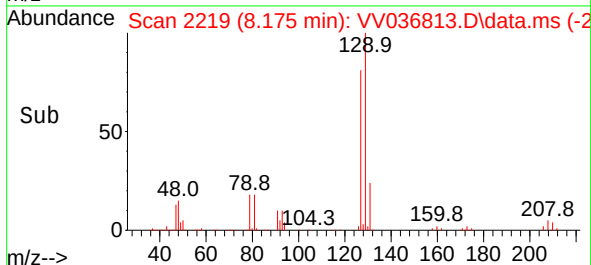
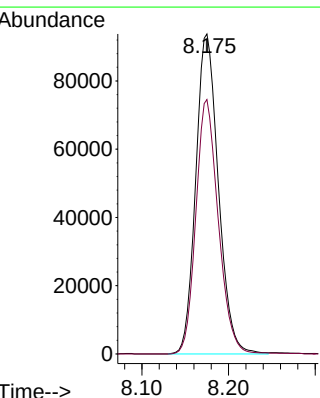
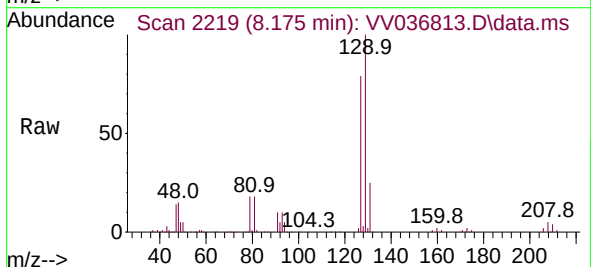
Acq: 06 Aug 2024 15:19

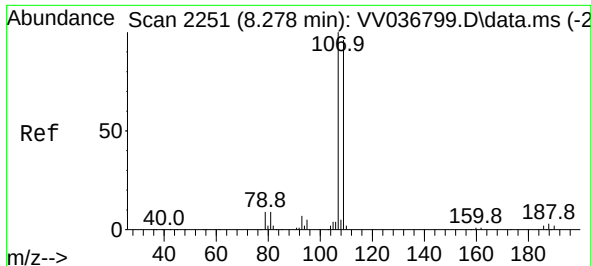
Tgt Ion:129 Resp: 170305

Ion Ratio Lower Upper

129 100

127 79.5 55.4 102.8

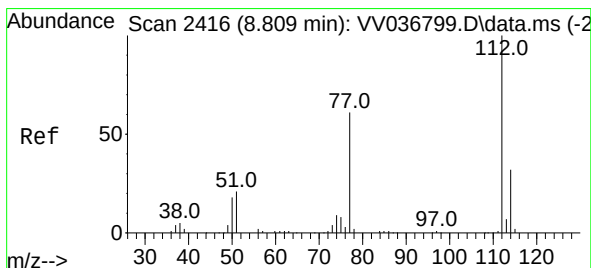
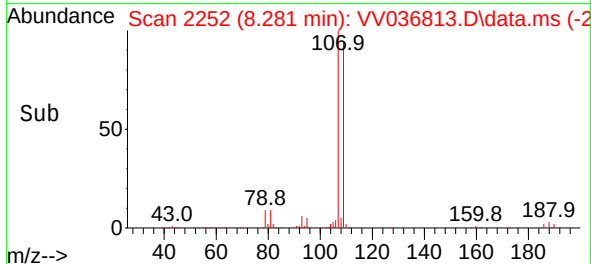
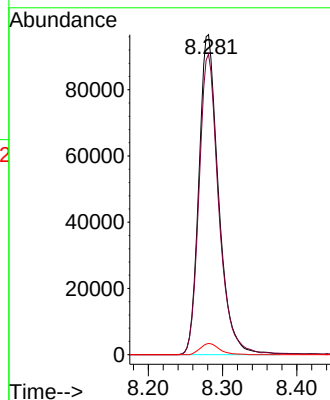
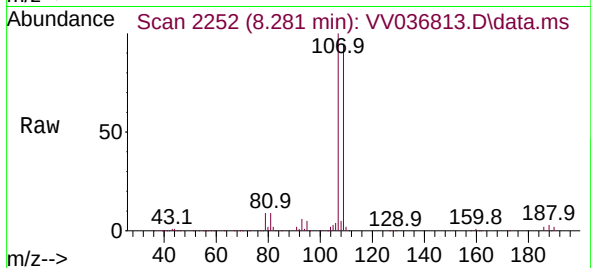




#50
1,2-Dibromoethane
Concen: 53.030 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV036813.D
Acq: 06 Aug 2024 15:19

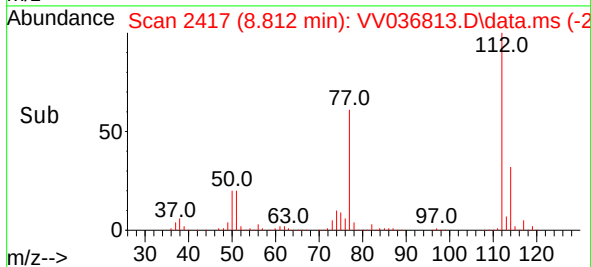
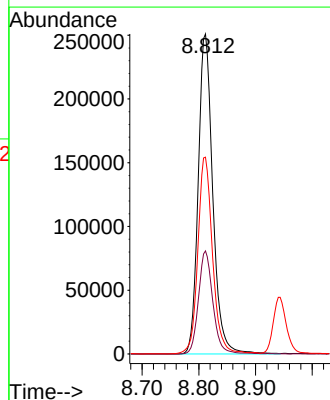
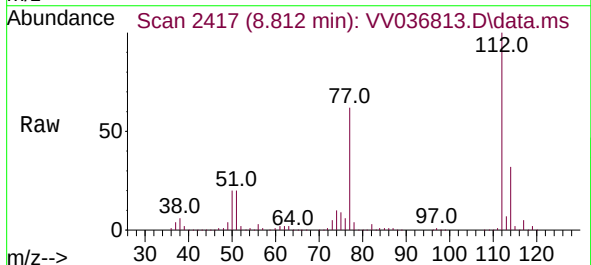
Instrument :
MSVOA_V
ClientSampleId :

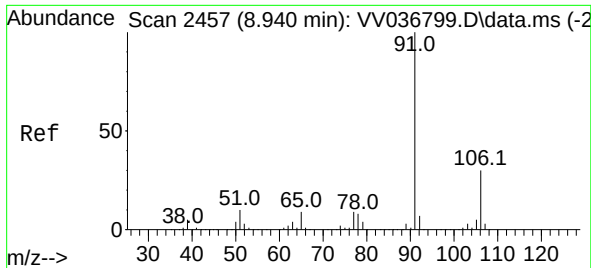
Tgt Ion:107 Resp: 177889
Ion Ratio Lower Upper
107 100
109 94.0 64.7 120.1
188 3.5 2.6 3.8



#51
Chlorobenzene
Concen: 52.005 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV036813.D
Acq: 06 Aug 2024 15:19

Tgt Ion:112 Resp: 447922
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.5
77 61.5 48.9 73.3

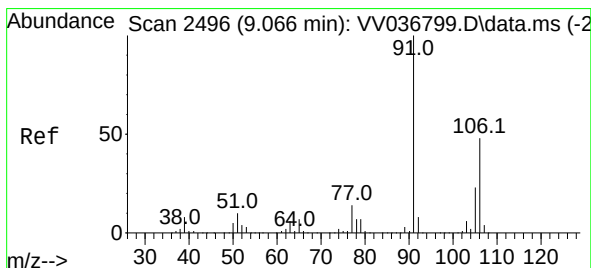
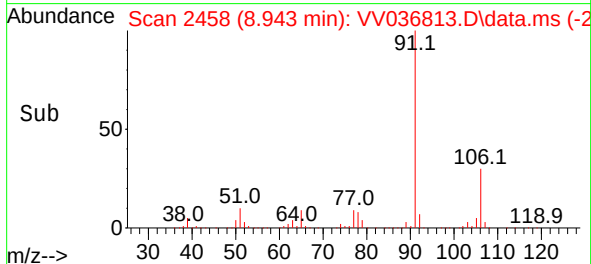
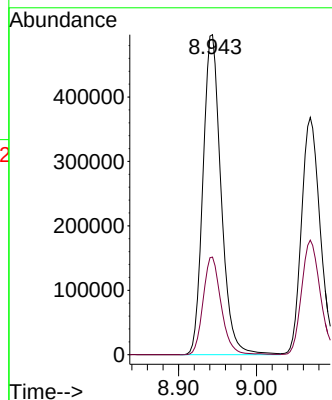
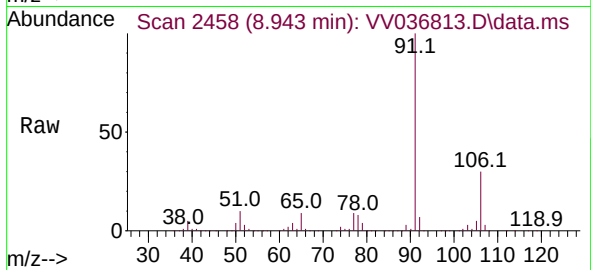




#52
Ethylbenzene
Concen: 52.255 ug/L
RT: 8.943 min Scan# 2457
Delta R.T. 0.003 min
Lab File: VV036813.D
Acq: 06 Aug 2024 15:19

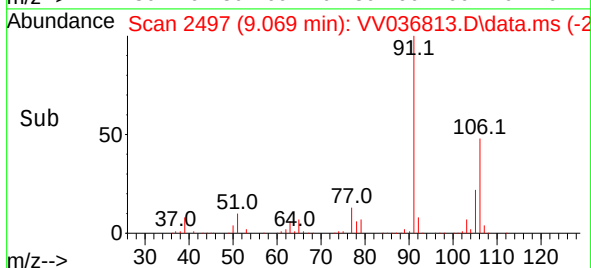
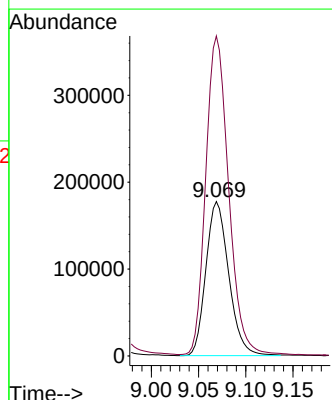
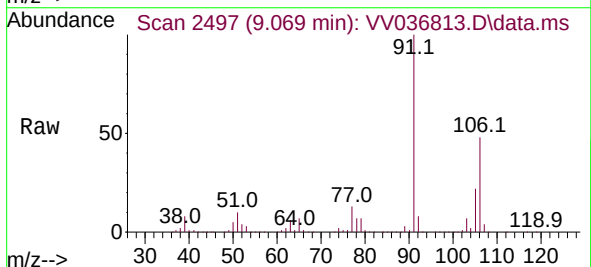
Instrument :
MSVOA_V
ClientSampleId :

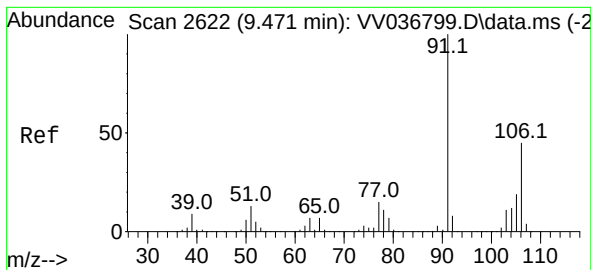
Tgt Ion: 91 Resp: 800931
Ion Ratio Lower Upper
91 100
106 30.5 21.1 39.1



#53
m,p-Xylene
Concen: 52.032 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. 0.003 min
Lab File: VV036813.D
Acq: 06 Aug 2024 15:19

Tgt Ion: 106 Resp: 298104
Ion Ratio Lower Upper
106 100
91 207.2 147.1 273.3





#54

o-Xylene

Concen: 52.514 ug/L

RT: 9.474 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Instrument :

MSVOA_V

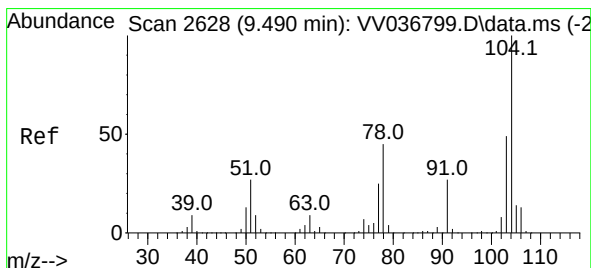
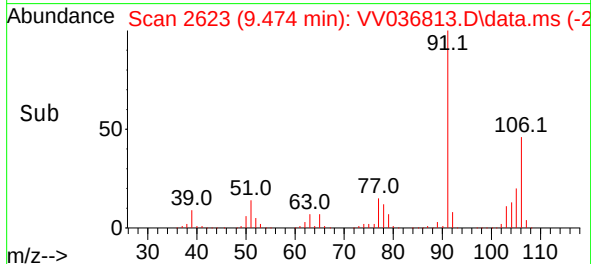
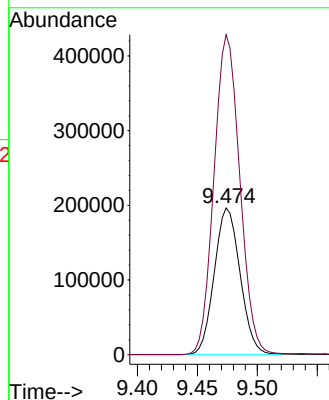
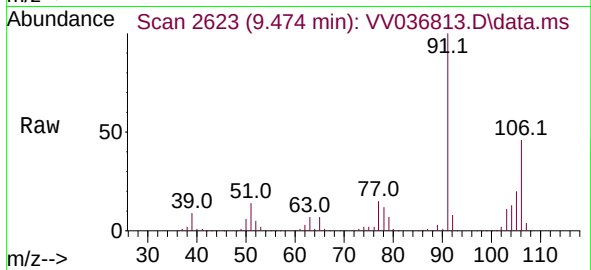
ClientSampleId :

Tgt Ion:106 Resp: 294269

Ion Ratio Lower Upper

106 100

91 218.2 154.5 286.9



#55

Styrene

Concen: 53.323 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. 0.003 min

Lab File: VV036813.D

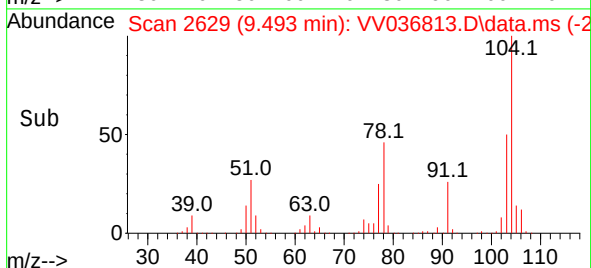
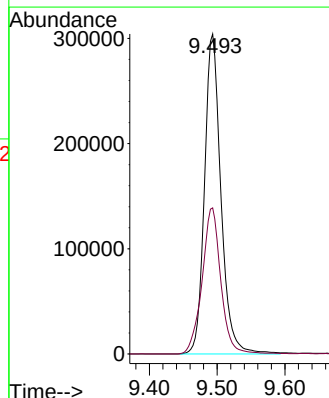
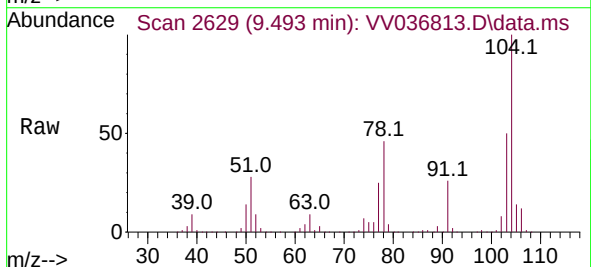
Acq: 06 Aug 2024 15:19

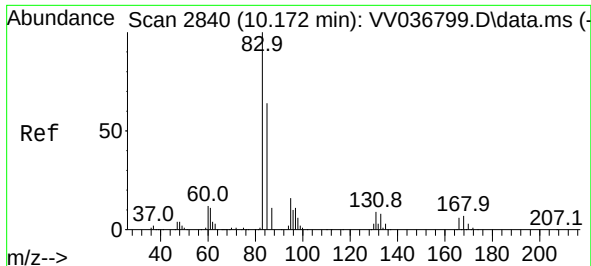
Tgt Ion:104 Resp: 512057

Ion Ratio Lower Upper

104 100

78 45.6 32.1 59.7





#57

1,1,2,2-Tetrachloroethane

Concen: 57.409 ug/L

RT: 10.175 min Scan# 2840

Delta R.T. 0.003 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :

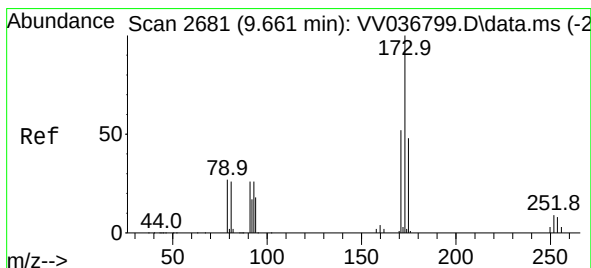
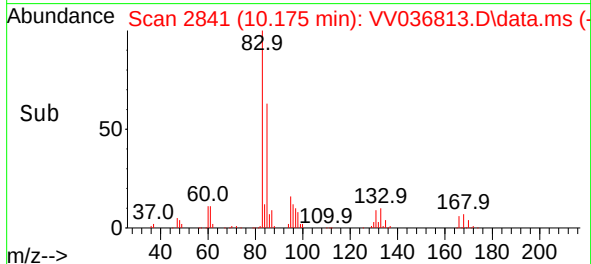
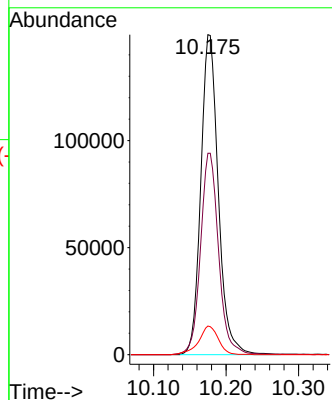
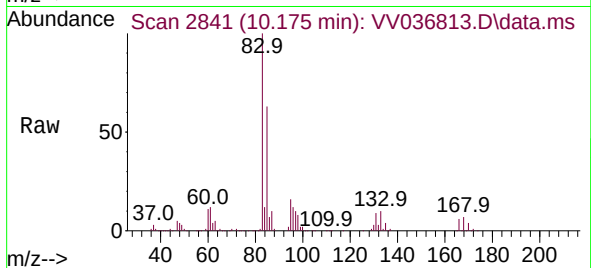
Tgt Ion: 83 Resp: 250452

Ion Ratio Lower Upper

83 100

85 62.9 44.7 83.1

131 8.9 7.2 10.8



#59

Bromoform

Concen: 48.547 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.003 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

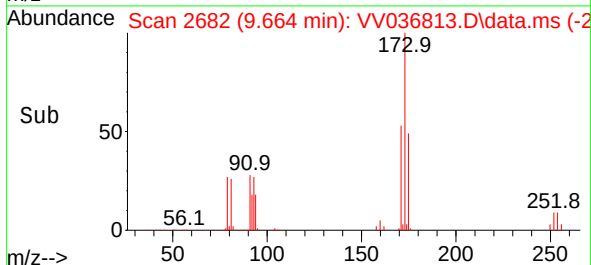
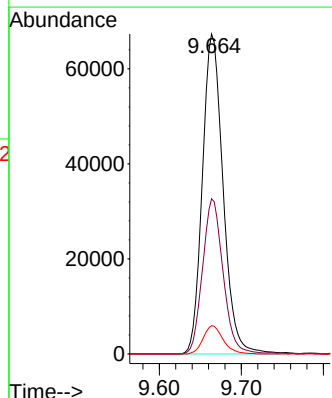
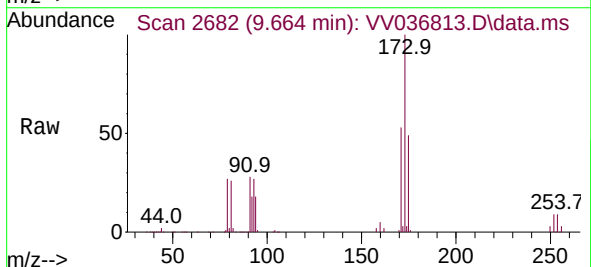
Tgt Ion: 173 Resp: 118260

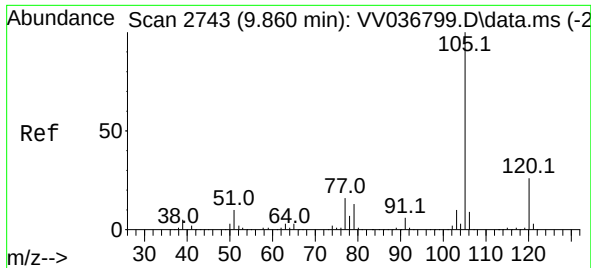
Ion Ratio Lower Upper

173 100

175 48.1 39.8 59.8

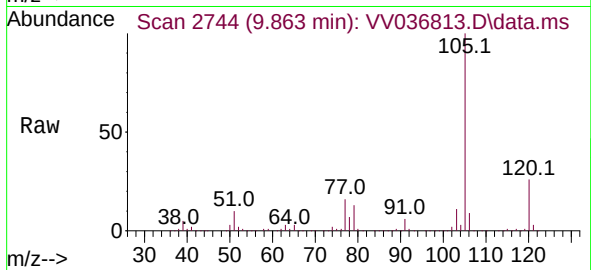
254 8.5 6.8 10.2



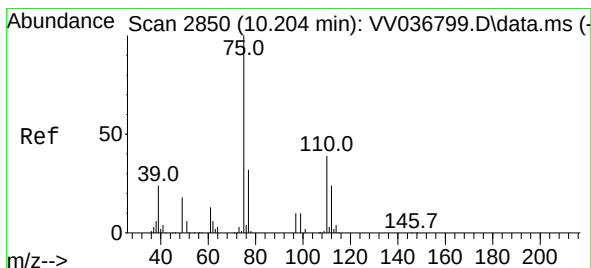
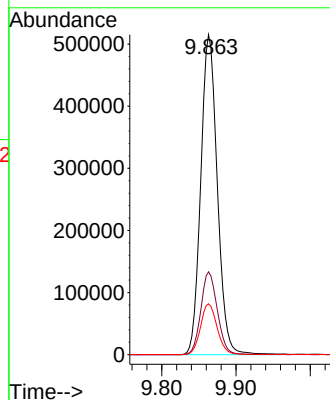
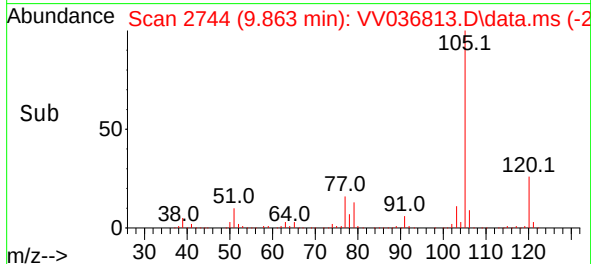


#60
Isopropylbenzene
Concen: 49.785 ug/L
RT: 9.863 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV036813.D
Acq: 06 Aug 2024 15:19

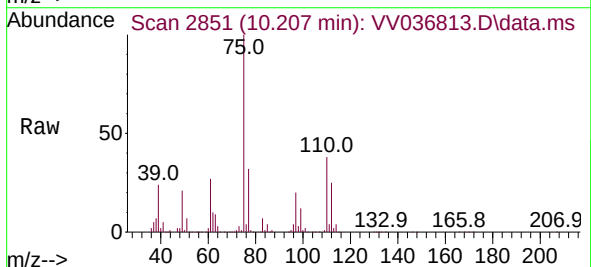
Instrument :
MSVOA_V
ClientSampleId :



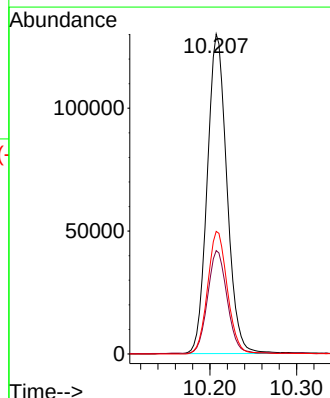
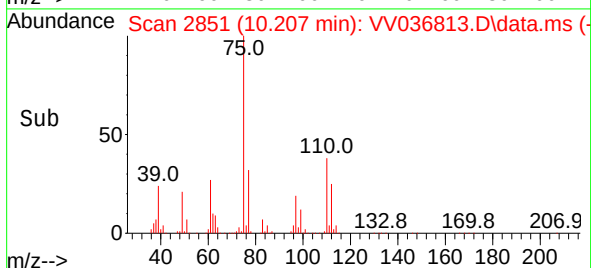
Tgt Ion:105 Resp: 798088
Ion Ratio Lower Upper
105 100
120 25.8 20.3 30.5
77 15.9 13.1 19.7

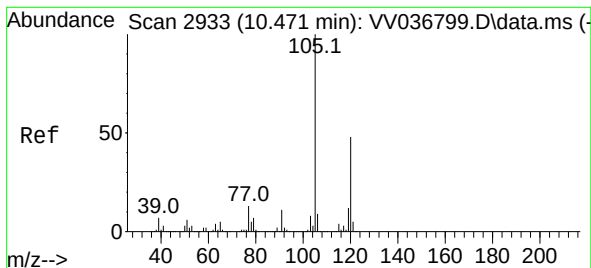


#61
1,2,3-Trichloropropane
Concen: 51.727 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.003 min
Lab File: VV036813.D
Acq: 06 Aug 2024 15:19



Tgt Ion: 75 Resp: 205039
Ion Ratio Lower Upper
75 100
77 31.9 26.2 39.2
110 38.8 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 50.757 ug/L

RT: 10.471 min Scan# 20

Delta R.T. -0.000 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Instrument :

MSVOA_V

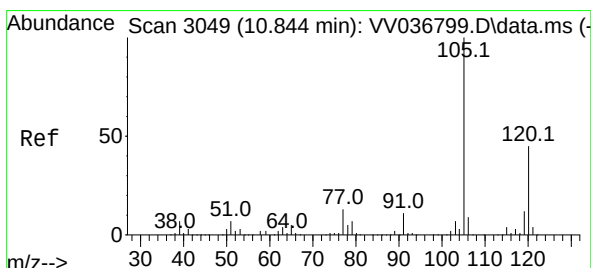
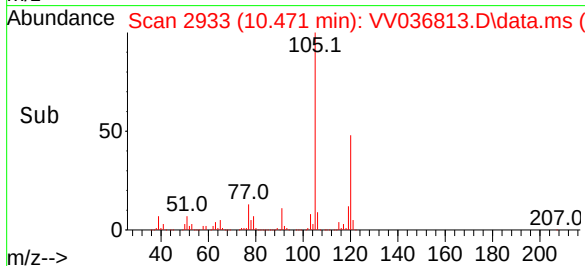
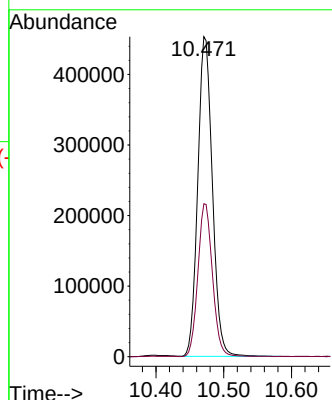
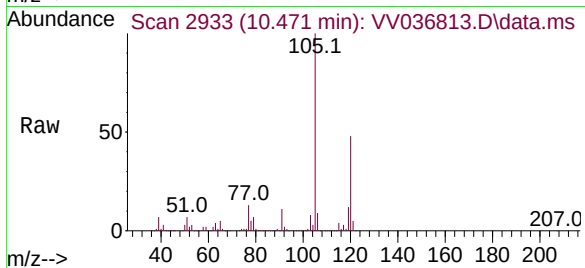
ClientSampleId :

Tgt Ion:105 Resp: 677414

Ion Ratio Lower Upper

105 100

120 47.7 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 51.287 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VV036813.D

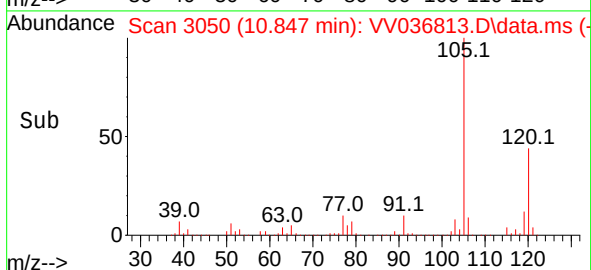
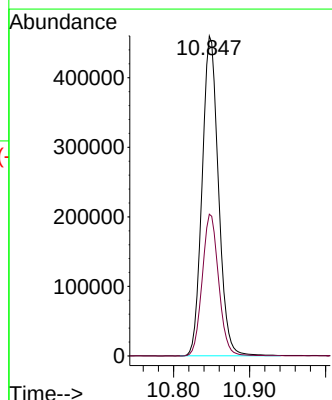
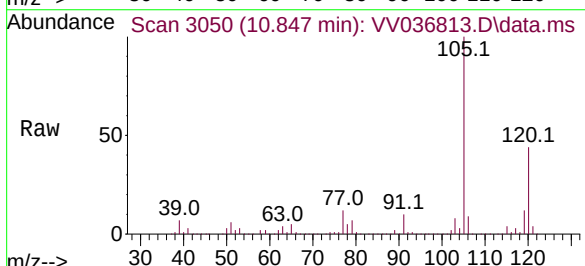
Acq: 06 Aug 2024 15:19

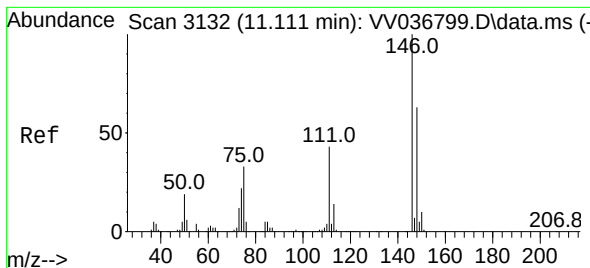
Tgt Ion:105 Resp: 685199

Ion Ratio Lower Upper

105 100

120 44.7 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 51.884 ug/L

RT: 11.114 min Scan# 3132

Delta R.T. 0.003 min

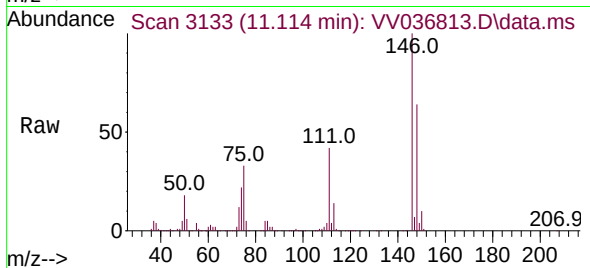
Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :



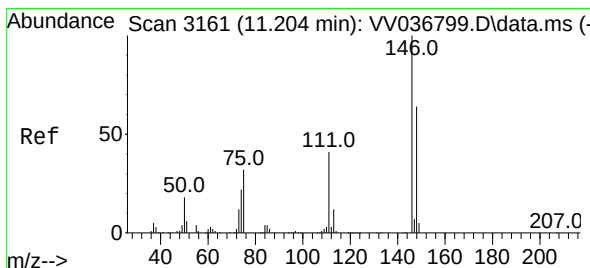
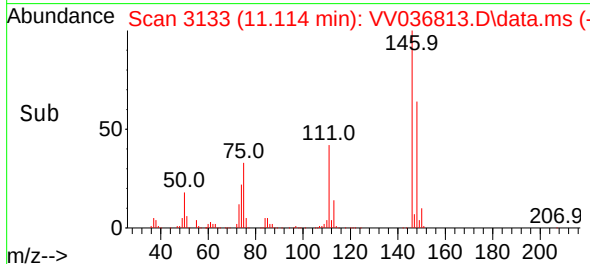
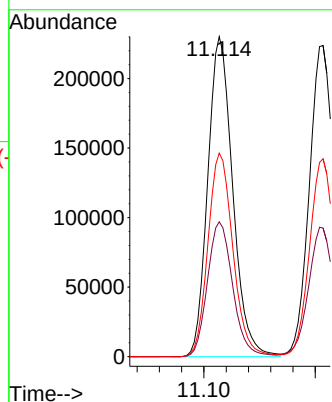
Tgt Ion:146 Resp: 357672

Ion Ratio Lower Upper

146 100

111 42.2 29.8 55.4

148 63.6 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 51.572 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

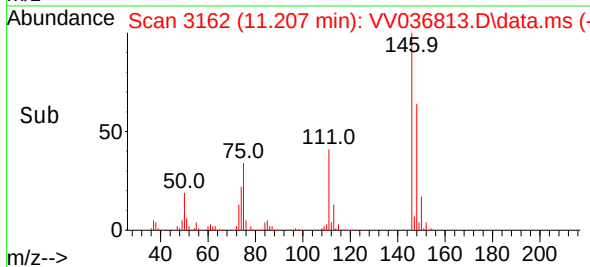
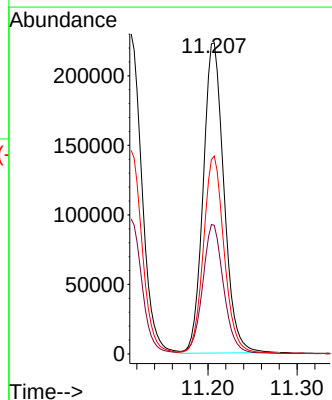
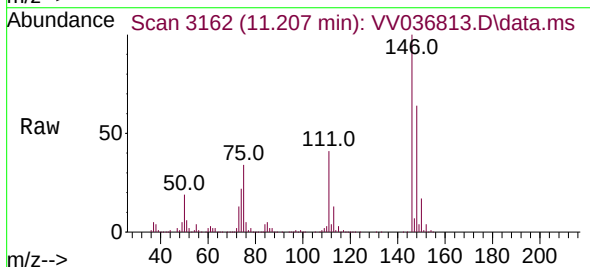
Tgt Ion:146 Resp: 361527

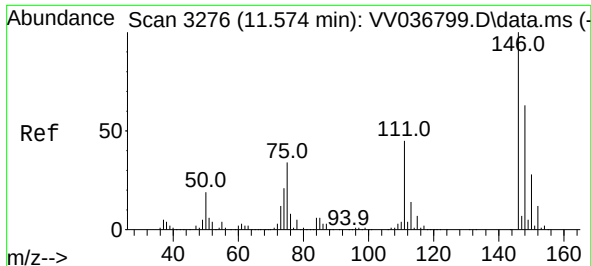
Ion Ratio Lower Upper

146 100

111 41.4 29.0 53.9

148 63.6 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 52.758 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :

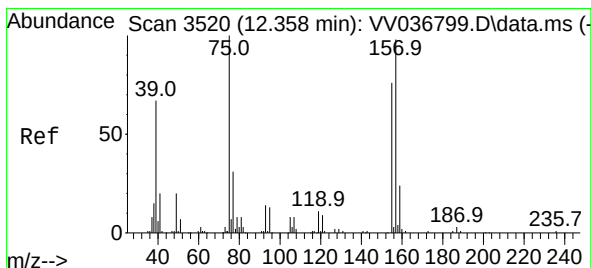
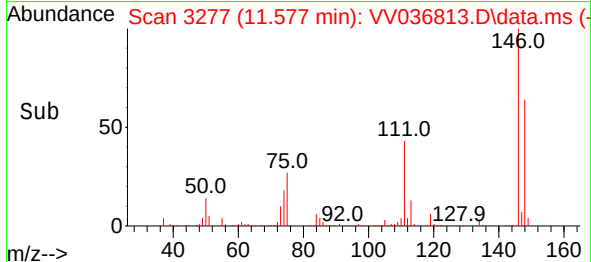
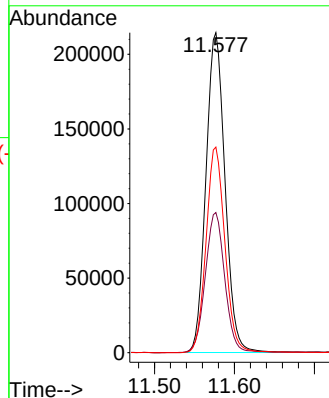
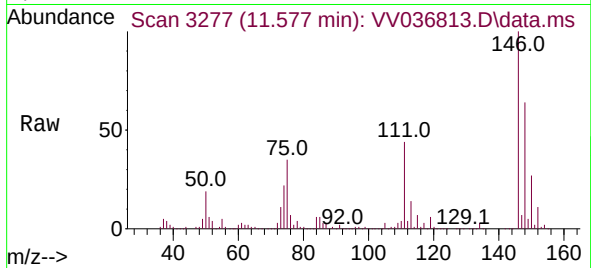
Tgt Ion:146 Resp: 355200

Ion Ratio Lower Upper

146 100

111 43.8 35.7 53.5

148 64.3 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 51.828 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.003 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

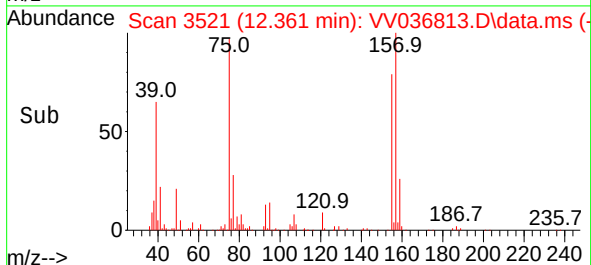
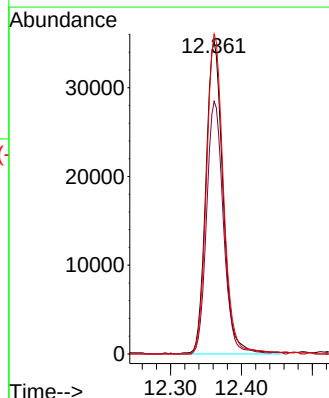
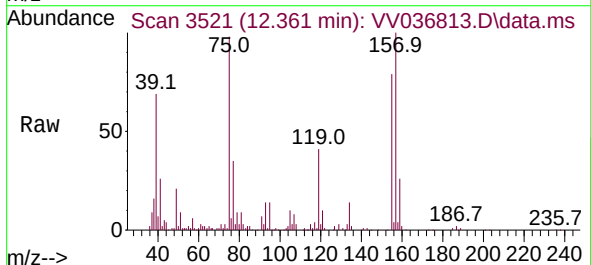
Tgt Ion: 75 Resp: 59367

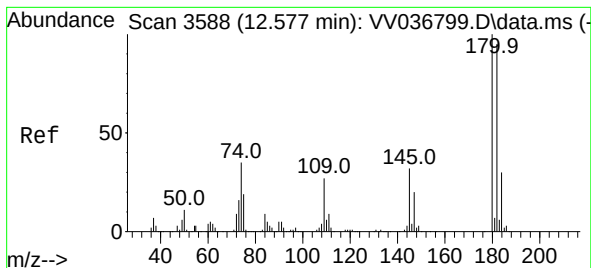
Ion Ratio Lower Upper

75 100

155 80.9 59.5 89.3

157 102.5 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 53.524 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. -0.000 min

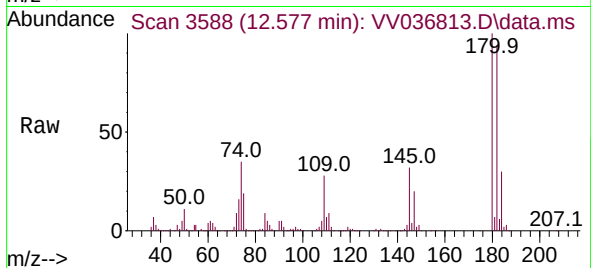
Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 261843

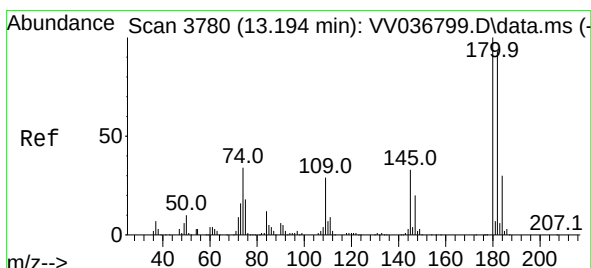
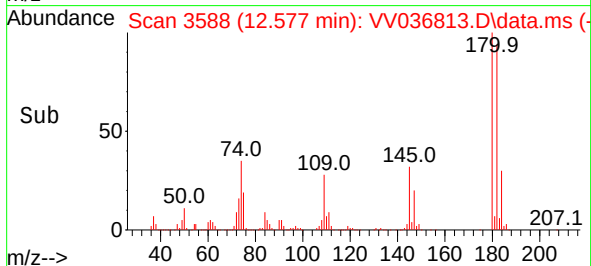
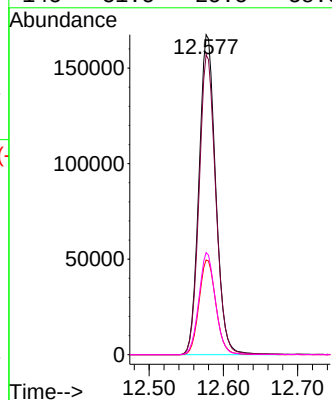
Ion Ratio Lower Upper

180 100

182 93.6 75.0 112.6

184 29.8 23.7 35.5

145 31.5 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 53.611 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.000 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

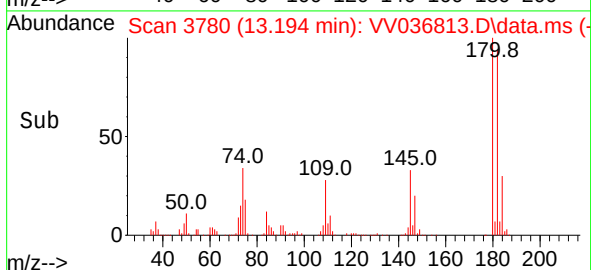
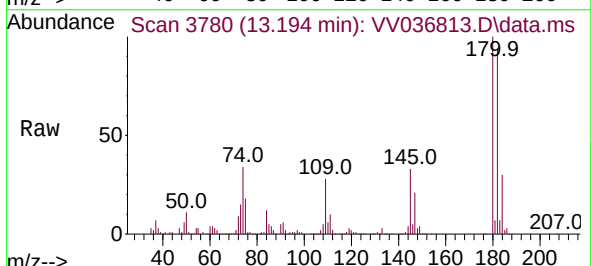
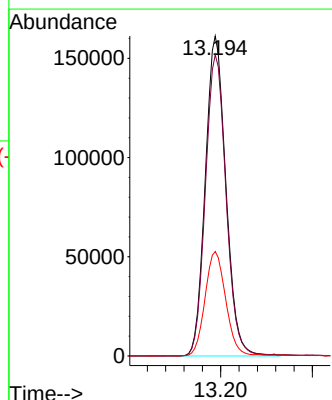
Tgt Ion:180 Resp: 251539

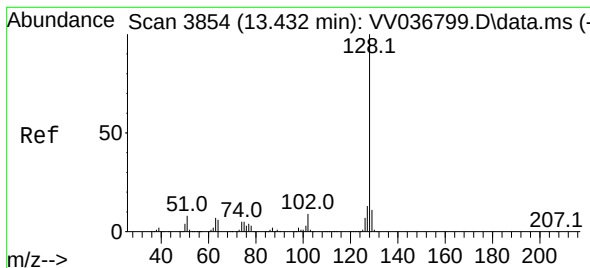
Ion Ratio Lower Upper

180 100

182 94.2 75.1 112.7

145 32.5 26.5 39.7





#71

Naphthalene

Concen: 58.218 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. -0.000 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :

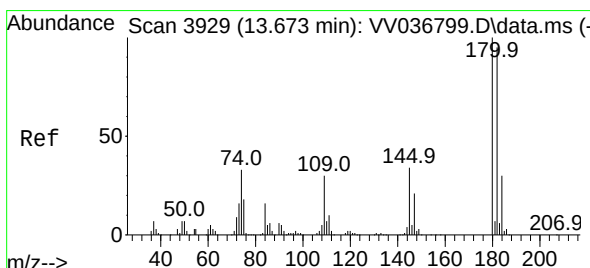
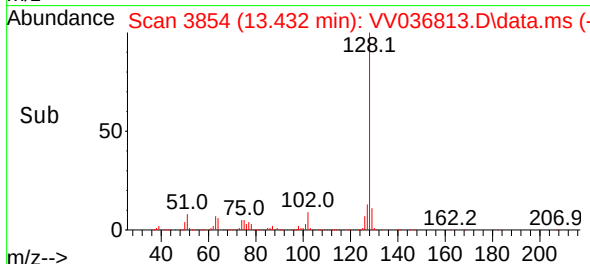
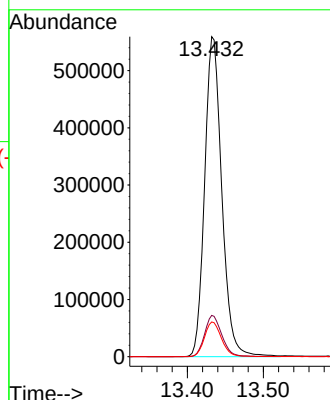
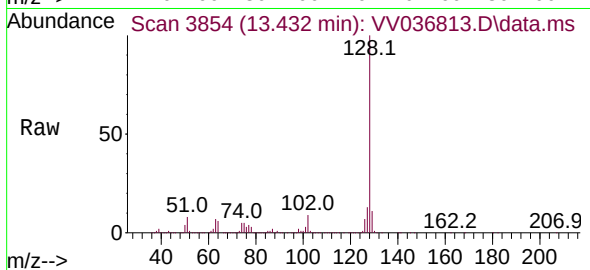
Tgt Ion:128 Resp: 875951

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 54.265 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. 0.003 min

Lab File: VV036813.D

Acq: 06 Aug 2024 15:19

Tgt Ion:180 Resp: 249228

Ion Ratio Lower Upper

180 100

182 94.3 76.2 114.2

145 34.4 27.8 41.6

