

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100724\
 Data File : VV037756.D
 Acq On : 07 Oct 2024 15:19
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 08 04:32:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 08 04:30:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	619962	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	618690	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	344047	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	256846	47.195	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.380%
7) Chloroethane-d5	1.532	69	214314	50.733	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.460%
11) 1,1-Dichloroethene-d2	2.056	65	112199	49.346	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.700%
21) 2-Butanone-d5	3.786	46	178503	92.086	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.090%
24) Chloroform-d	4.239	84	506573	52.319	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.640%
26) 1,2-Dichloroethane-d4	4.931	65	292741	51.654	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.300%
32) Benzene-d6	4.950	84	965379	49.865	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.720%
36) 1,2-Dichloropropane-d6	5.979	67	302629	49.090	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.180%
41) Toluene-d8	7.233	98	887097	50.532	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.060%
43) trans-1,3-Dichloroprop...	7.545	79	138221	48.265	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.520%
47) 2-Hexanone-d5	8.021	63	121355	93.224	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.220%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	354397	49.476	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.960%
66) 1,2-Dichlorobenzene-d4	11.551	152	345373	47.639	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.280%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	274100	51.935	ug/L	100
3) Chloromethane	1.217	50	272059	53.096	ug/L	99
5) Vinyl chloride	1.285	62	280992	51.153	ug/L	99
6) Bromomethane	1.487	94	162242	53.221	ug/L	99
8) Chloroethane	1.548	64	175192	51.744	ug/L	98
9) Trichlorofluoromethane	1.712	101	397714	53.787	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	243156	55.031	ug/L	98
12) 1,1-Dichloroethene	2.069	96	216590	52.476	ug/L	84
13) Acetone	2.111	43	157965	83.128	ug/L	100
14) Carbon disulfide	2.240	76	606897	47.107	ug/L	100
15) Methyl Acetate	2.368	43	174763	52.700	ug/L	99
16) Methylene chloride	2.442	84	244287	52.273	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	224317	51.373	ug/L	100
18) Methyl tert-butyl Ether	2.699	73	671019	53.565	ug/L	99
19) 1,1-Dichloroethane	3.101	63	446216	53.338	ug/L	98
20) cis-1,2-Dichloroethene	3.802	96	255927	52.377	ug/L	99
22) 2-Butanone	3.870	43	197790	94.039	ug/L	95
23) Bromochloromethane	4.133	128	133885	52.970	ug/L	96
25) Chloroform	4.265	83	464604	53.639	ug/L	100

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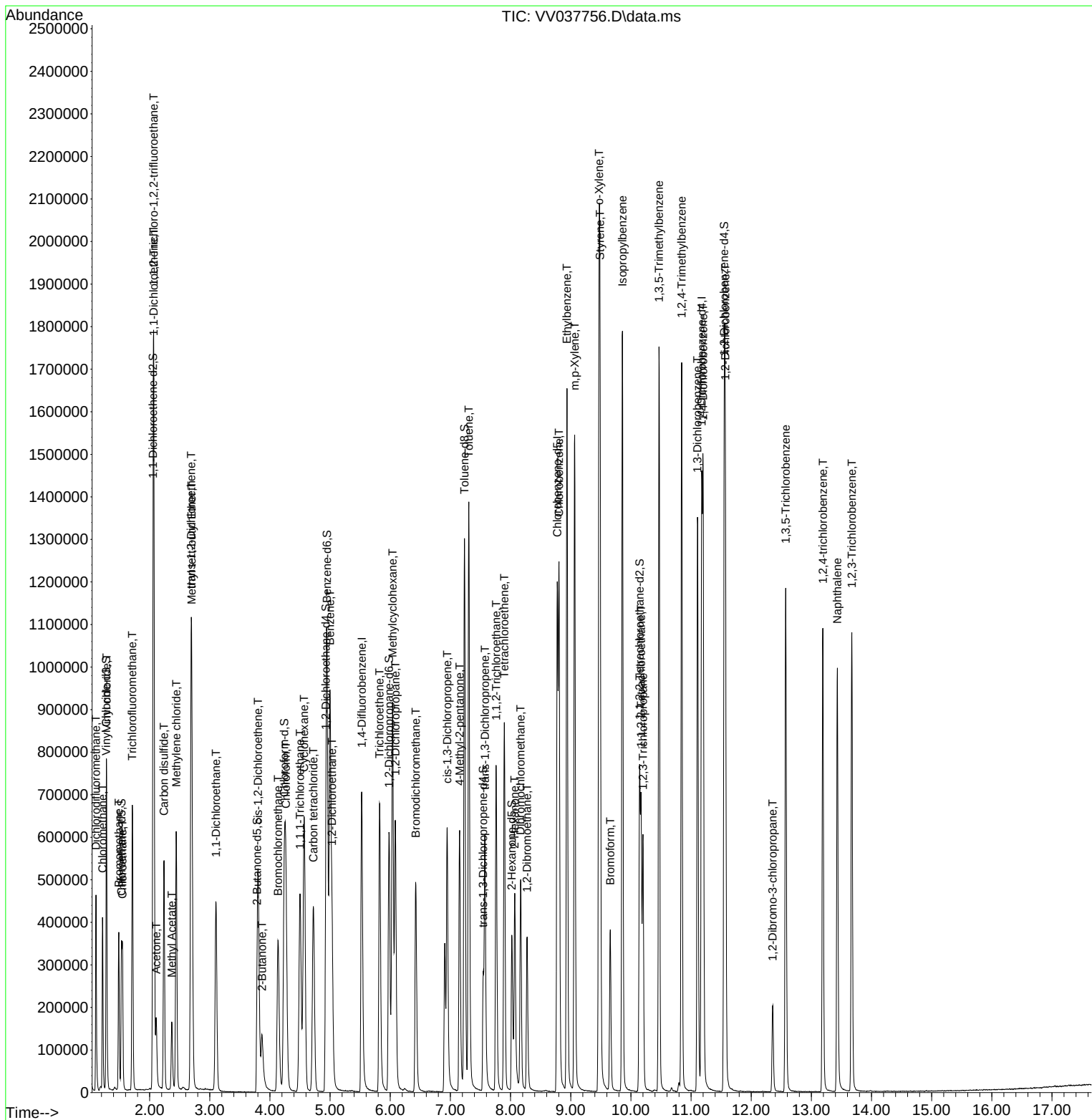
Instrument :
 MSVOA_V
 ClientSampleId :

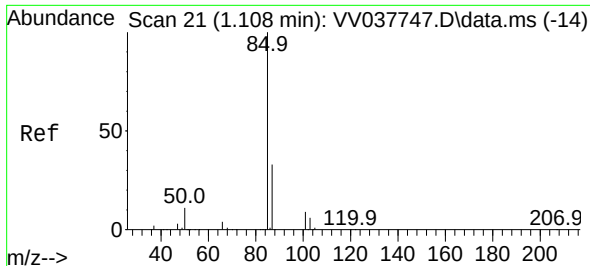
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.030	62	329089	53.819	ug/L	100
29) Cyclohexane	4.567	56	348445	49.603	ug/L	99
30) 1,1,1-Trichloroethane	4.500	97	393155	51.595	ug/L	99
31) Carbon tetrachloride	4.722	117	342131	51.643	ug/L	100
33) Benzene	4.998	78	966441	51.795	ug/L	100
34) Trichloroethene	5.821	95	251454	50.603	ug/L	98
35) Methylcyclohexane	6.040	83	374585	49.002	ug/L	97
37) 1,2-Dichloropropane	6.085	63	260911	54.150	ug/L	99
38) Bromodichloromethane	6.423	83	340003	52.787	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	400104	52.020	ug/L	99
40) 4-Methyl-2-pentanone	7.152	43	395606	100.840	ug/L	99
42) Toluene	7.307	91	1024479	52.962	ug/L	99
44) trans-1,3-Dichloropropene	7.574	75	358368	51.753	ug/L	99
45) 1,1,2-Trichloroethane	7.760	97	239391	51.743	ug/L	98
46) Tetrachloroethene	7.895	164	192702	50.721	ug/L	99
48) 2-Hexanone	8.069	43	284070	93.122	ug/L	99
49) Dibromochloromethane	8.169	129	255460	52.171	ug/L	99
50) 1,2-Dibromoethane	8.275	107	244623	51.150	ug/L	99
51) Chlorobenzene	8.805	112	675030	51.221	ug/L	100
52) Ethylbenzene	8.937	91	1132319	52.003	ug/L	100
53) m,p-Xylene	9.066	106	431446	53.241	ug/L	99
54) o-Xylene	9.471	106	412069	52.085	ug/L	97
55) Styrene	9.487	104	759970	55.179	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.168	83	329534	51.088	ug/L	99
59) Bromoform	9.657	173	166568	49.535	ug/L	98
60) Isopropylbenzene	9.860	105	1134218	50.707	ug/L	100
61) 1,2,3-Trichloropropane	10.201	75	239864	48.996	ug/L	100
62) 1,3,5-Trimethylbenzene	10.467	105	903301	51.080	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	898321	51.055	ug/L	99
64) 1,3-Dichlorobenzene	11.107	146	540066	50.162	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	562849	50.205	ug/L	99
67) 1,2-Dichlorobenzene	11.570	146	531452	49.933	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	54096	45.520	ug/L	98
69) 1,3,5-Trichlorobenzene	12.573	180	358401	48.408	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	321824	46.850	ug/L	100
71) Naphthalene	13.432	128	789947	44.015	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	321111	47.337	ug/L	100

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

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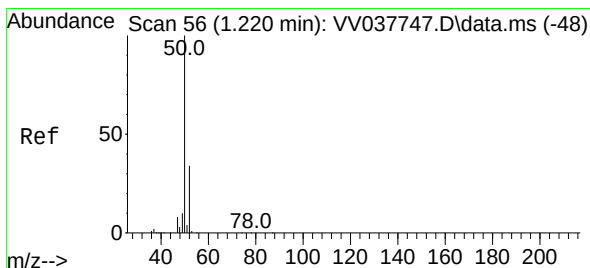
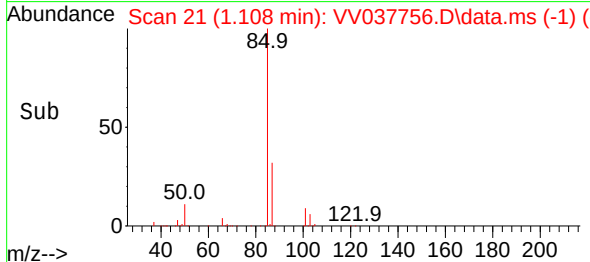
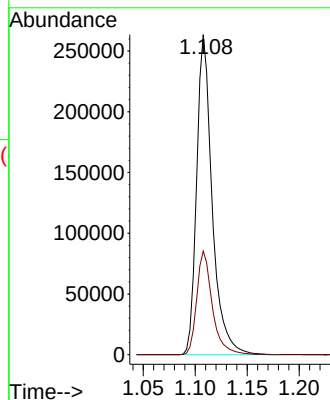
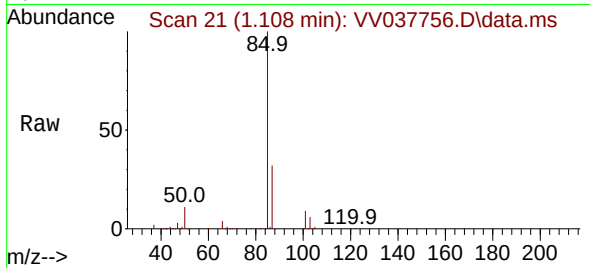




#2
 Dichlorodifluoromethane
 Concen: 51.935 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV037756.D
 Acq: 07 Oct 2024 15:19

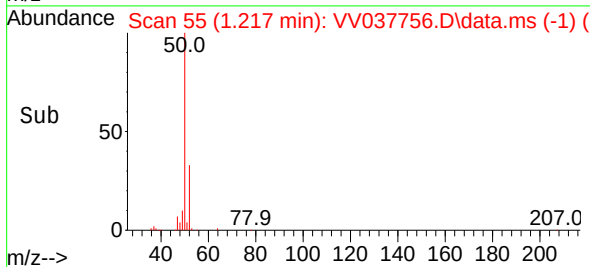
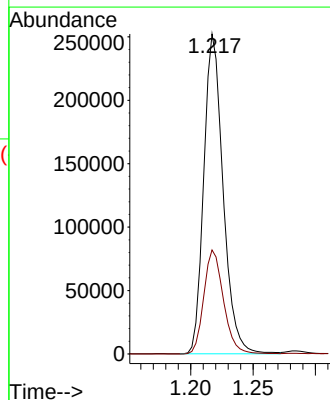
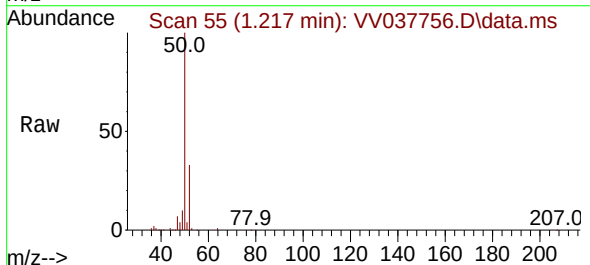
Instrument :
 MSVOA_V
 ClientSampleId :

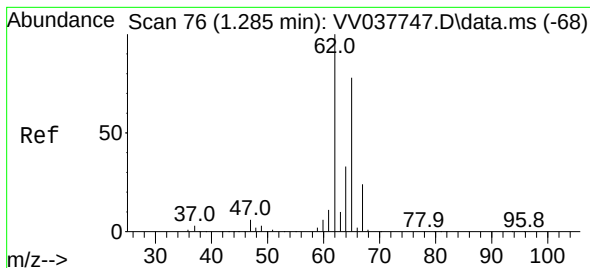
Tgt Ion: 85 Resp: 274100
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.8 38.8



#3
 Chloromethane
 Concen: 53.096 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.003 min
 Lab File: VV037756.D
 Acq: 07 Oct 2024 15:19

Tgt Ion: 50 Resp: 272059
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.2 43.2





#5

Vinyl chloride

Concen: 51.153 ug/L

RT: 1.285 min Scan# 76

Delta R.T. -0.000 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

Instrument :

MSVOA_V

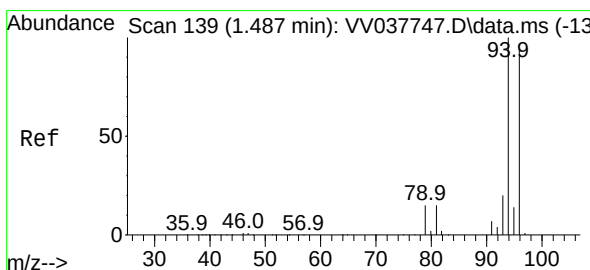
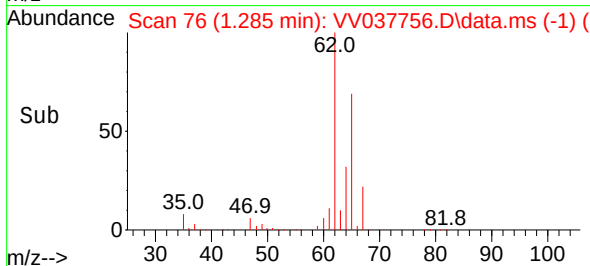
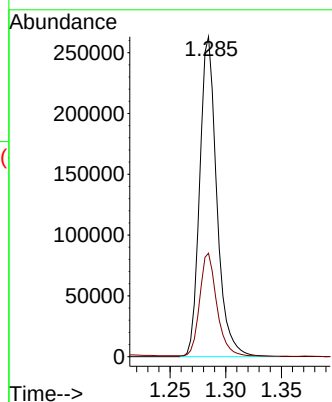
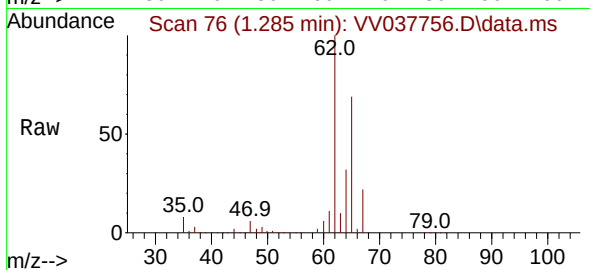
ClientSampleId :

Tgt Ion: 62 Resp: 280992

Ion Ratio Lower Upper

62 100

64 32.3 23.2 43.0



#6

Bromomethane

Concen: 53.221 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.000 min

Lab File: VV037756.D

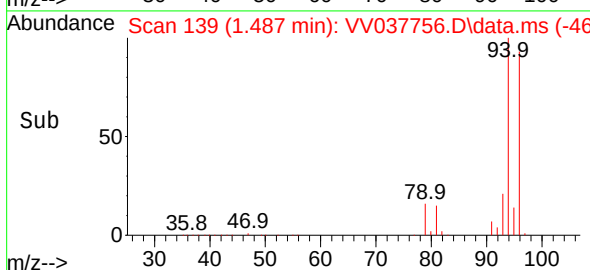
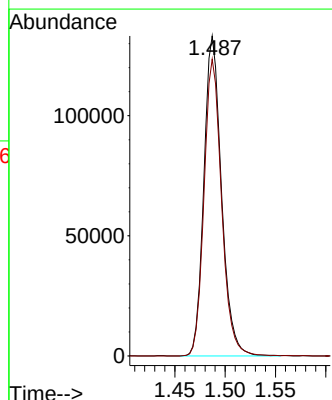
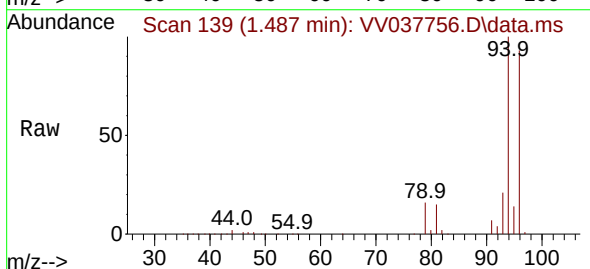
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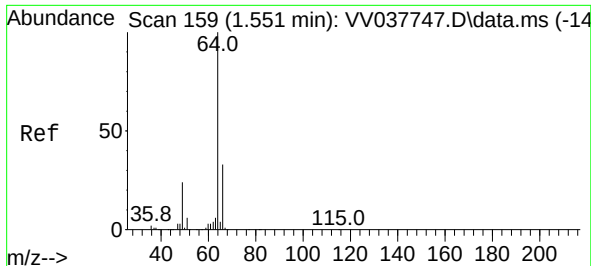
Tgt Ion: 94 Resp: 162242

Ion Ratio Lower Upper

94 100

96 92.8 65.8 122.2

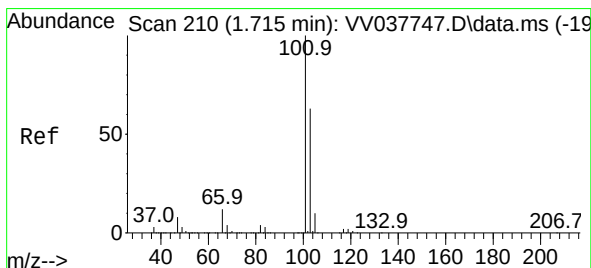
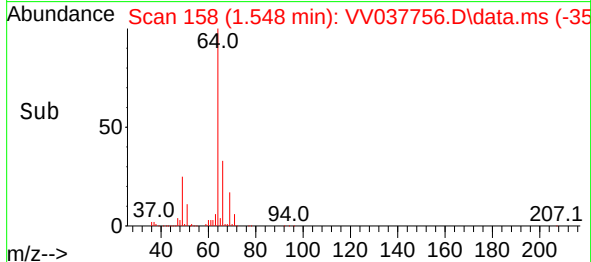
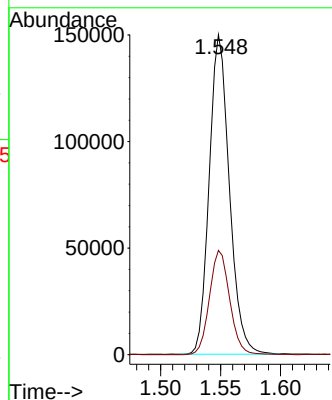
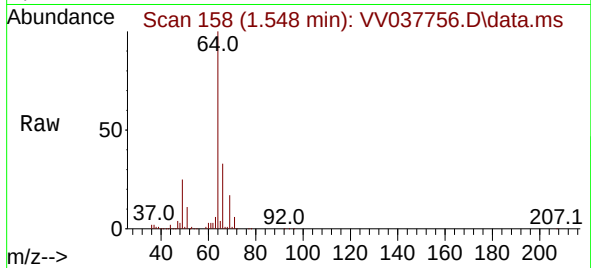




#8
Chloroethane
Concen: 51.744 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV037756.D
Acq: 07 Oct 2024 15:19

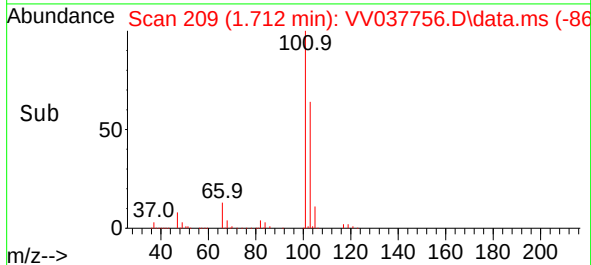
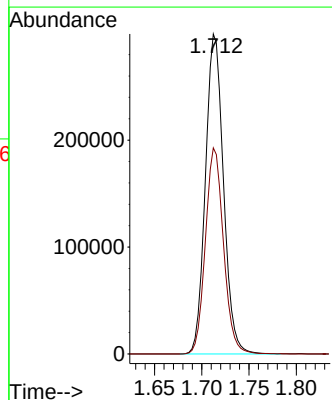
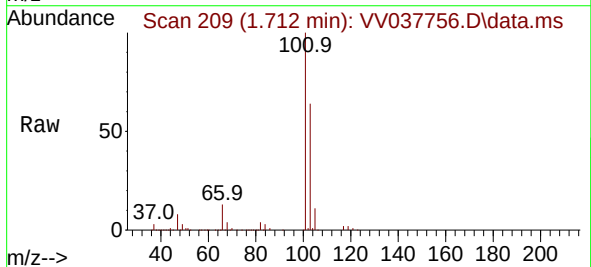
Instrument :
MSVOA_V
ClientSampleId :

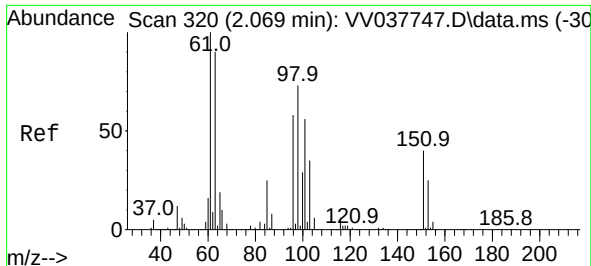
Tgt Ion: 64 Resp: 175192
Ion Ratio Lower Upper
64 100
66 32.6 22.2 41.2



#9
Trichlorofluoromethane
Concen: 53.787 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV037756.D
Acq: 07 Oct 2024 15:19

Tgt Ion:101 Resp: 397714
Ion Ratio Lower Upper
101 100
103 64.5 52.2 78.4





#10

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

Concen: 55.031 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :

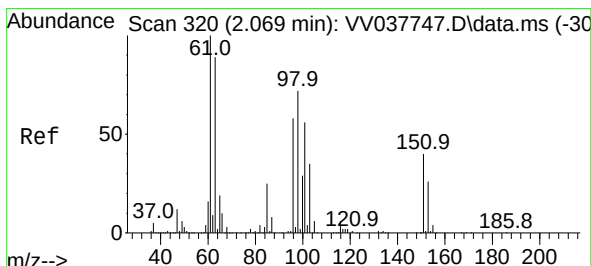
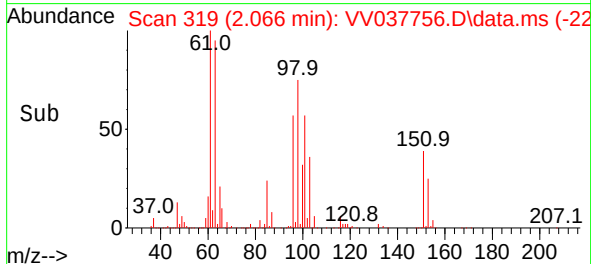
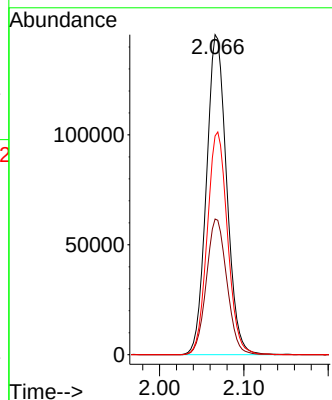
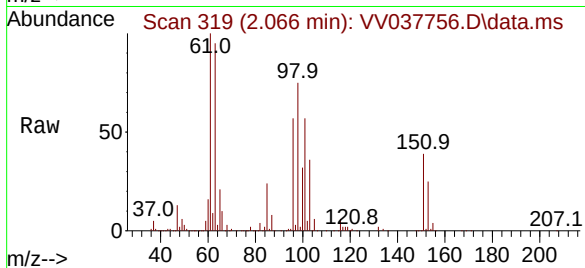
Tgt Ion:101 Resp: 243156

Ion Ratio Lower Upper

101 100

85 43.1 34.6 52.0

151 69.8 57.5 86.3



#12

1,1-Dichloroethene

Concen: 52.476 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

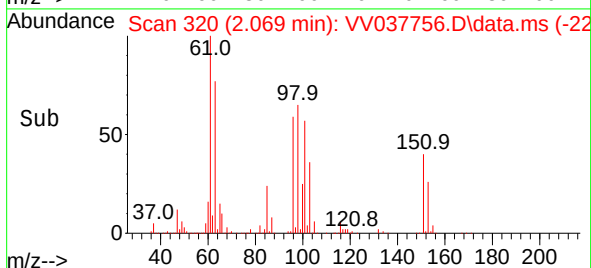
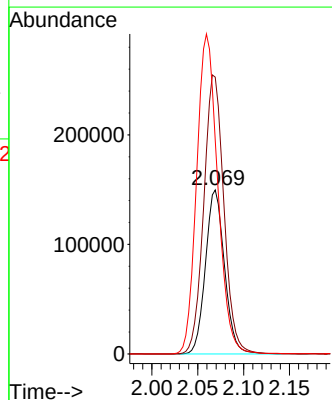
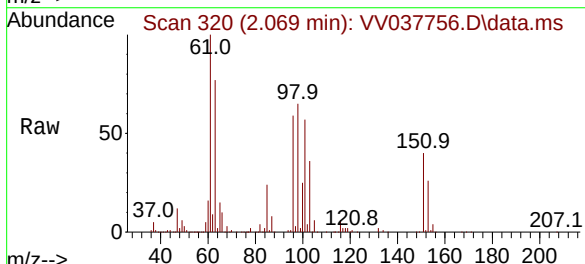
Tgt Ion: 96 Resp: 216590

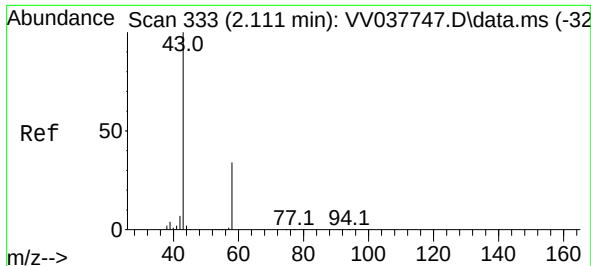
Ion Ratio Lower Upper

96 100

61 168.8 122.6 227.6

63 130.4 118.0 219.2





#13

Acetone

Concen: 83.128 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.000 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

Instrument :

MSVOA_V

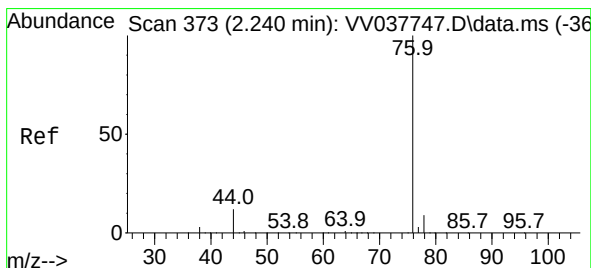
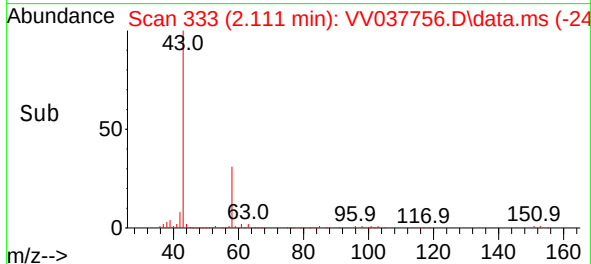
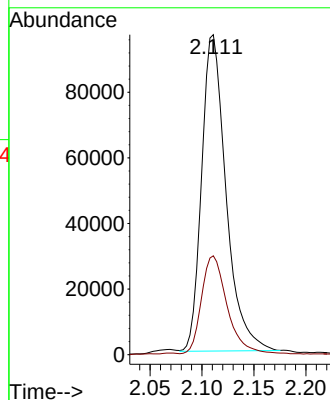
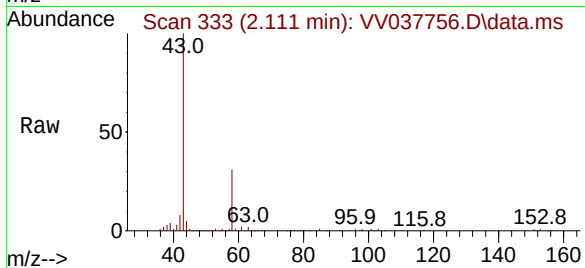
ClientSampleId :

Tgt Ion: 43 Resp: 157965

Ion Ratio Lower Upper

43 100

58 33.3 0.0 66.6



#14

Carbon disulfide

Concen: 47.107 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV037756.D

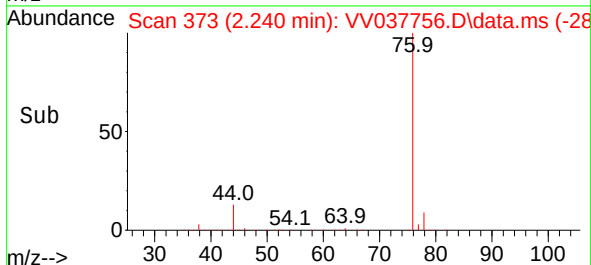
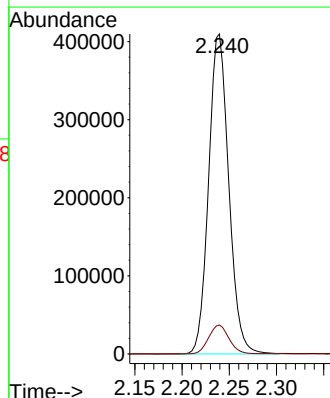
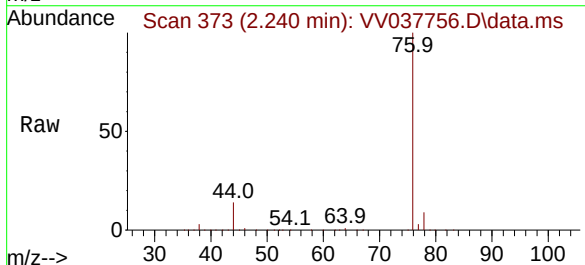
Acq: 07 Oct 2024 15:19

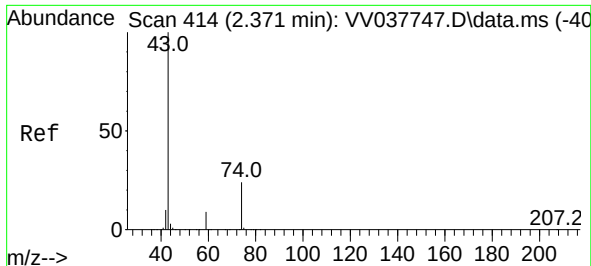
Tgt Ion: 76 Resp: 606897

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





#15

Methyl Acetate

Concen: 52.700 ug/L

RT: 2.368 min Scan# 41

Delta R.T. -0.003 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

Instrument :

MSVOA_V

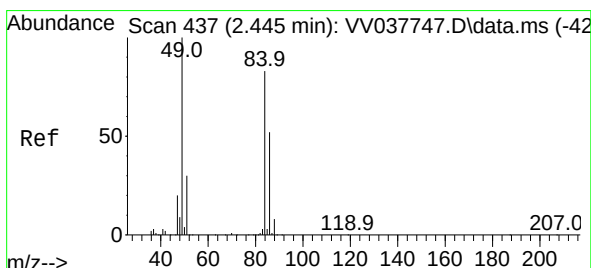
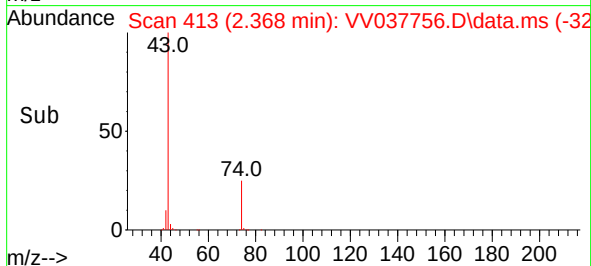
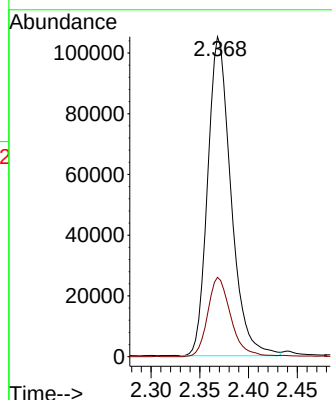
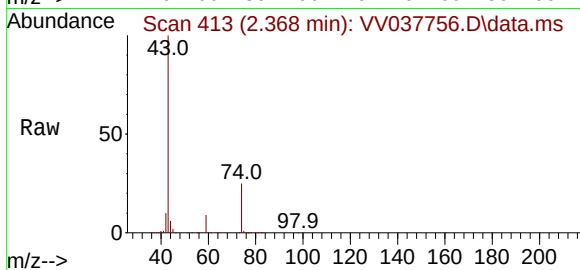
ClientSampleId :

Tgt Ion: 43 Resp: 174763

Ion Ratio Lower Upper

43 100

74 24.6 19.4 29.0



#16

Methylene chloride

Concen: 52.273 ug/L

RT: 2.442 min Scan# 436

Delta R.T. -0.003 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

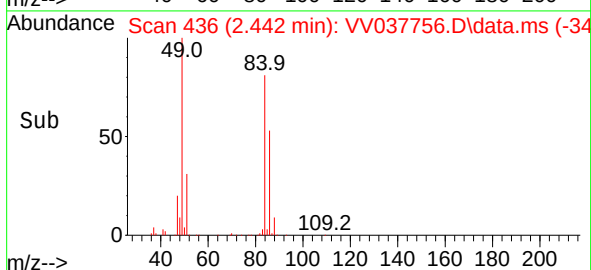
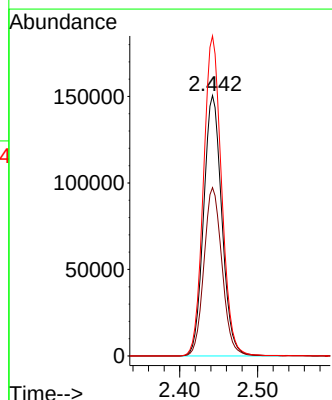
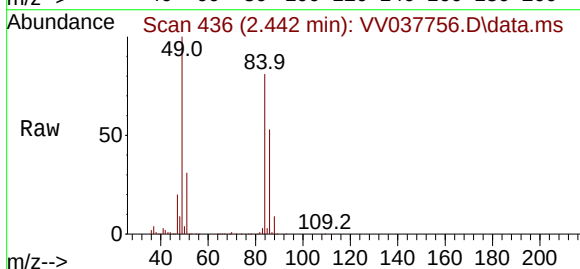
Tgt Ion: 84 Resp: 244287

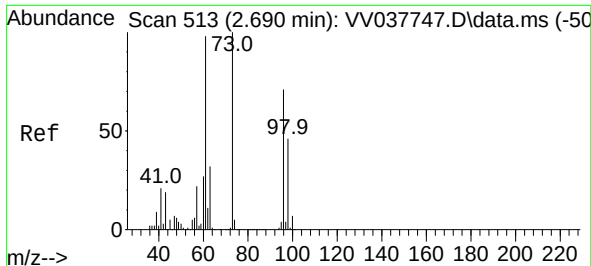
Ion Ratio Lower Upper

84 100

86 64.6 46.4 86.2

49 122.8 85.9 159.5





#17

trans-1,2-Dichloroethene

Concen: 51.373 ug/L

RT: 2.690 min Scan# 513

Delta R.T. -0.000 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :

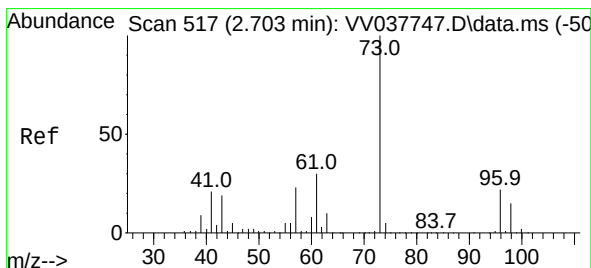
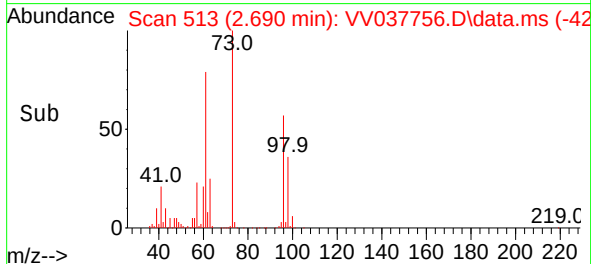
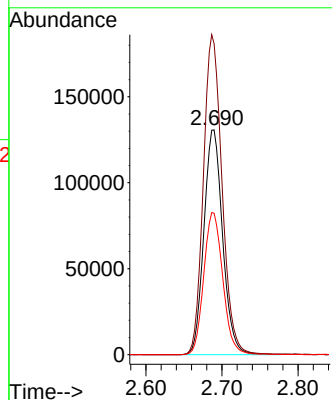
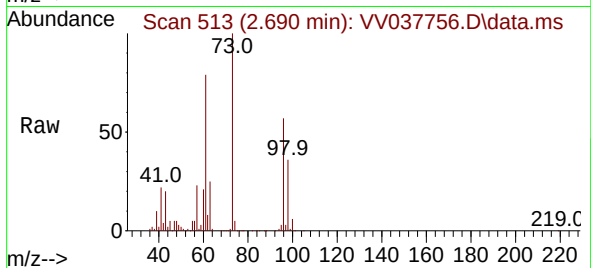
Tgt Ion: 96 Resp: 224317

Ion Ratio Lower Upper

96 100

61 138.3 97.3 180.7

98 62.9 43.9 81.5



#18

Methyl tert-butyl Ether

Concen: 53.565 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.003 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

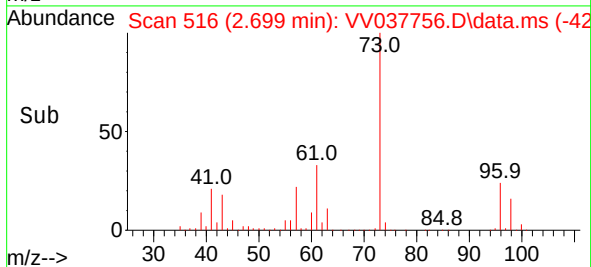
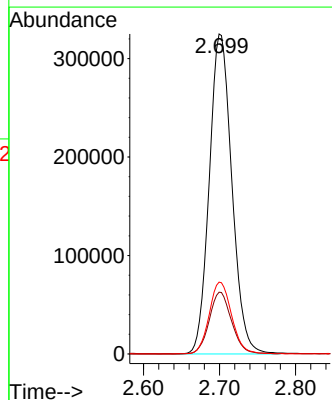
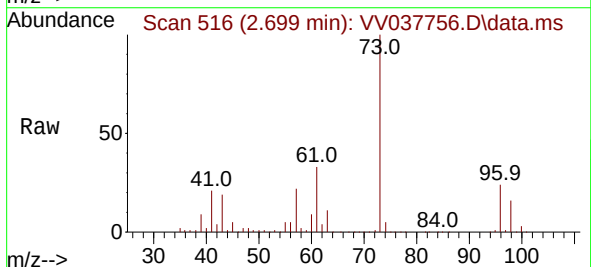
Tgt Ion: 73 Resp: 671019

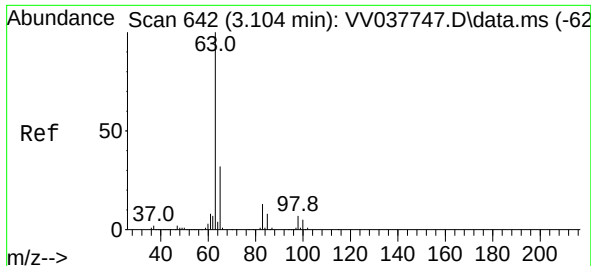
Ion Ratio Lower Upper

73 100

43 18.9 15.1 22.7

57 22.3 17.4 26.2





#19

1,1-Dichloroethane

Concen: 53.338 ug/L

RT: 3.101 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :

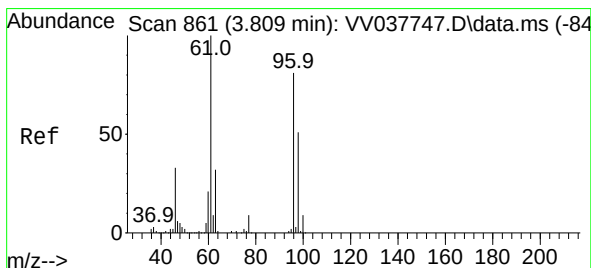
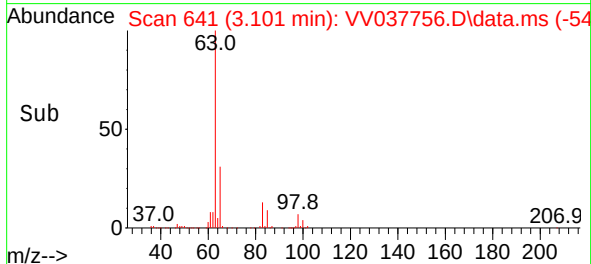
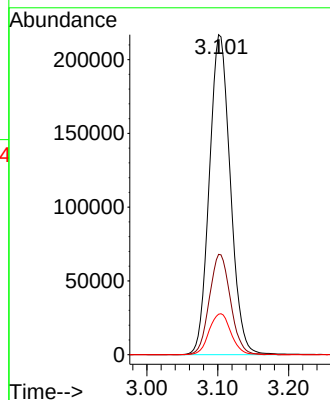
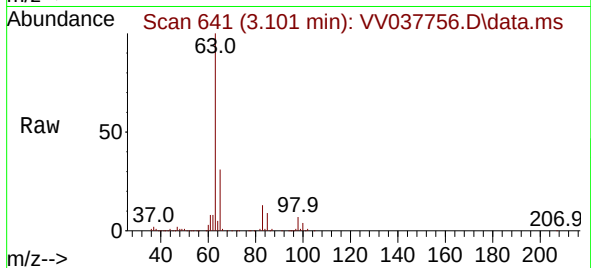
Tgt Ion: 63 Resp: 446216

Ion Ratio Lower Upper

63 100

65 31.4 22.4 41.6

83 12.6 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 52.377 ug/L

RT: 3.802 min Scan# 859

Delta R.T. -0.006 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

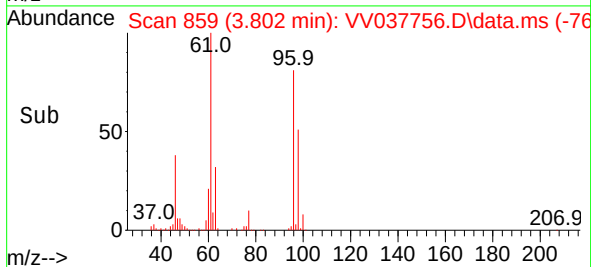
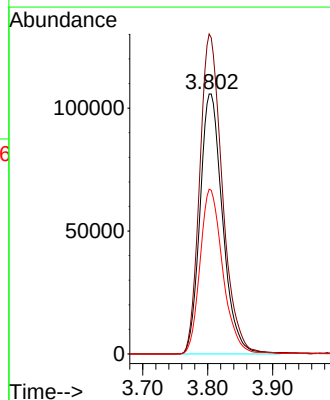
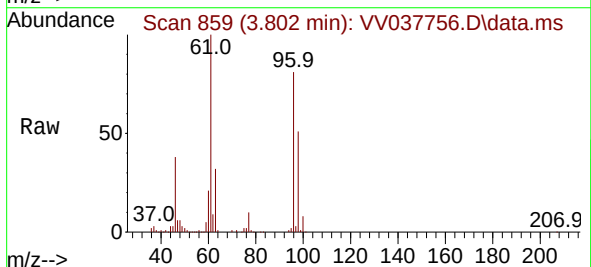
Tgt Ion: 96 Resp: 255927

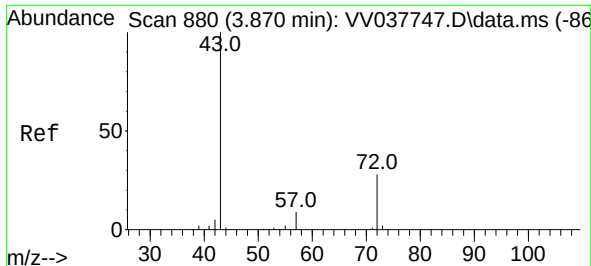
Ion Ratio Lower Upper

96 100

61 123.1 85.0 157.8

98 63.3 44.2 82.0

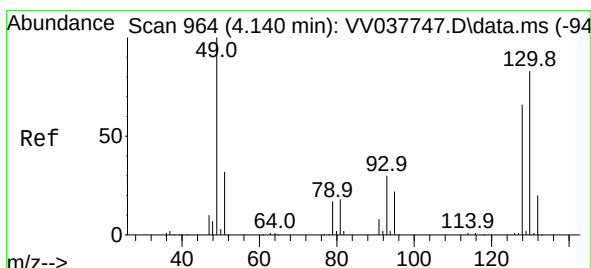
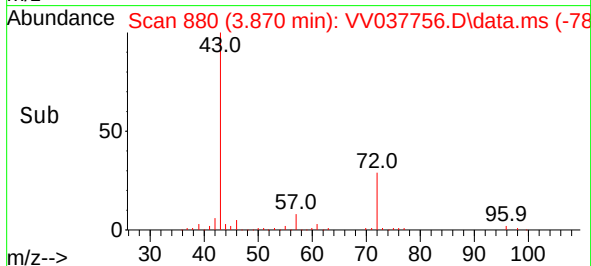
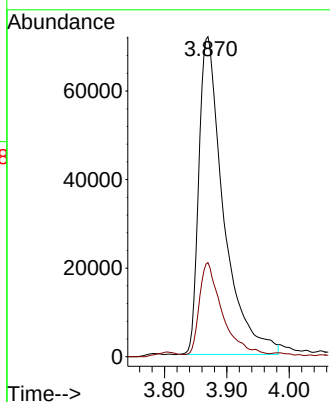
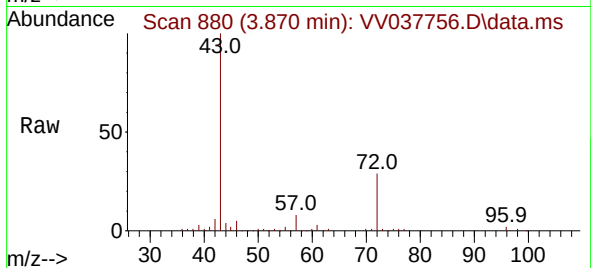




#22
2-Butanone
Concen: 94.039 ug/L
RT: 3.870 min Scan# 880
Delta R.T. -0.000 min
Lab File: VV037756.D
Acq: 07 Oct 2024 15:19

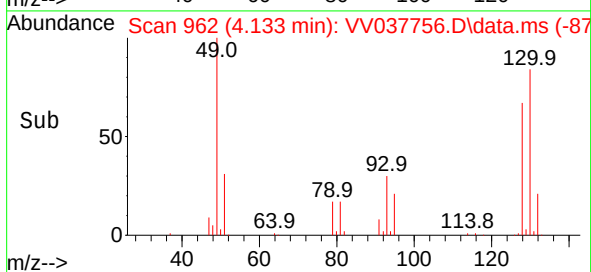
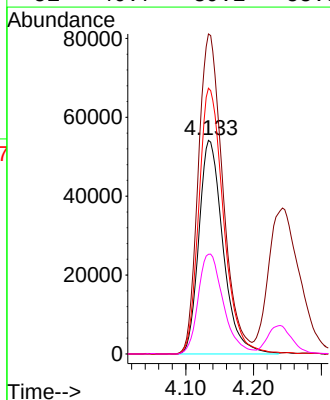
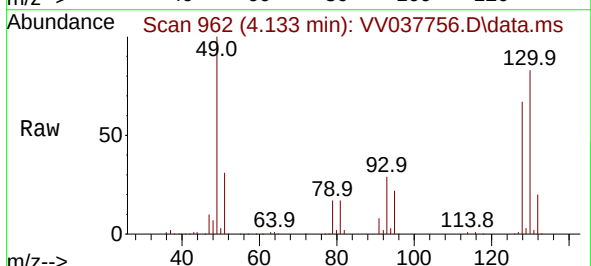
Instrument :
MSVOA_V
ClientSampleId :

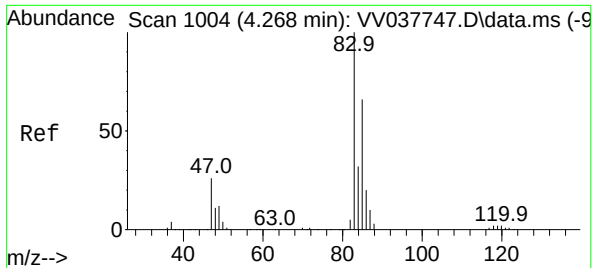
Tgt Ion: 43 Resp: 197790
Ion Ratio Lower Upper
43 100
72 25.9 14.3 42.9



#23
Bromochloromethane
Concen: 52.970 ug/L
RT: 4.133 min Scan# 962
Delta R.T. -0.006 min
Lab File: VV037756.D
Acq: 07 Oct 2024 15:19

Tgt Ion: 128 Resp: 133885
Ion Ratio Lower Upper
128 100
49 149.8 108.7 201.9
130 124.4 90.4 168.0
51 46.7 39.2 58.8





#25

Chloroform

Concen: 53.639 ug/L

RT: 4.265 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

Instrument :

MSVOA_V

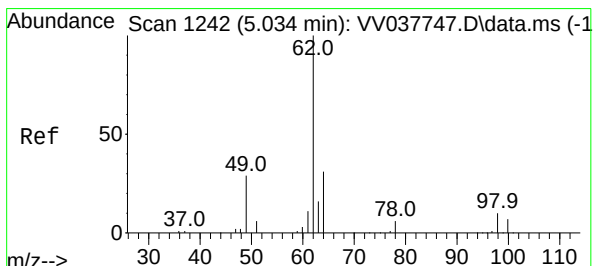
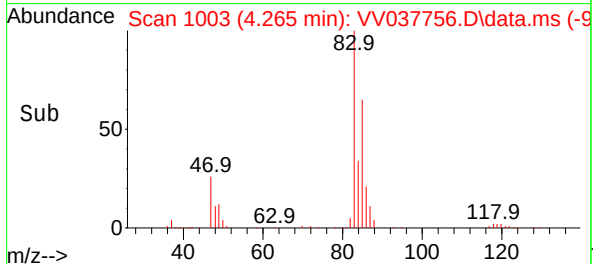
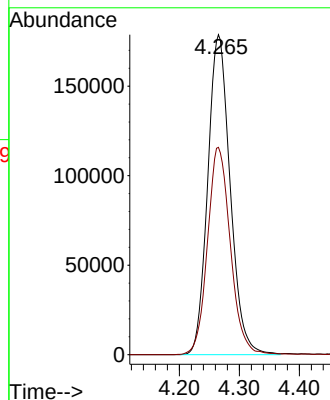
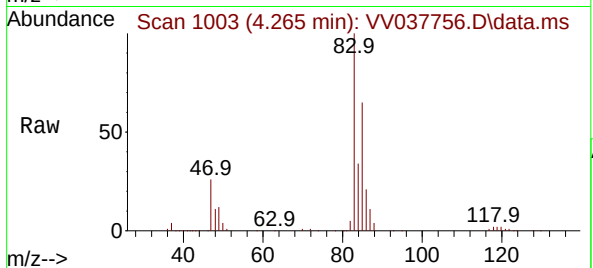
ClientSampleId :

Tgt Ion: 83 Resp: 464604

Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.7



#27

1,2-Dichloroethane

Concen: 53.819 ug/L

RT: 5.030 min Scan# 1241

Delta R.T. -0.003 min

Lab File: VV037756.D

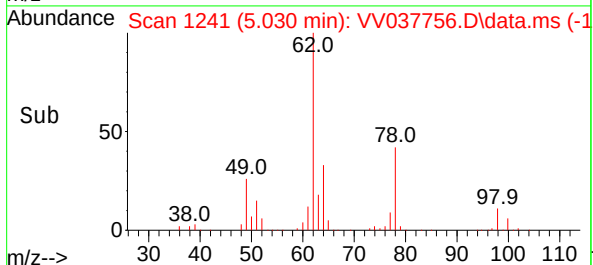
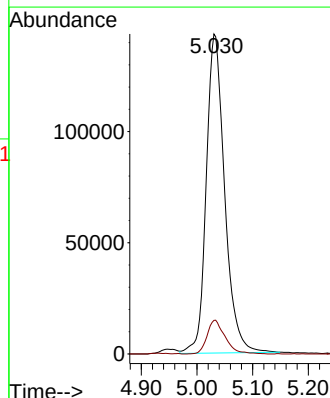
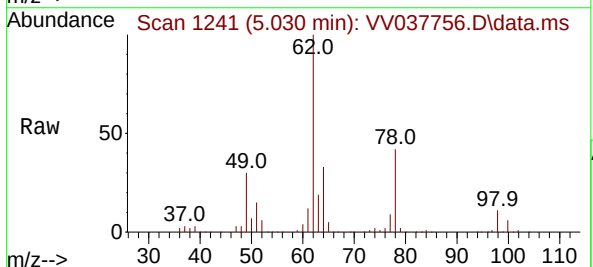
Acq: 07 Oct 2024 15:19

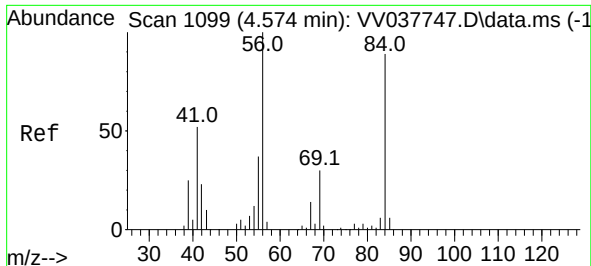
Tgt Ion: 62 Resp: 329089

Ion Ratio Lower Upper

62 100

98 10.5 8.4 12.6





#29

Cyclohexane

Concen: 49.603 ug/L

RT: 4.567 min Scan# 1097

Delta R.T. -0.006 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :

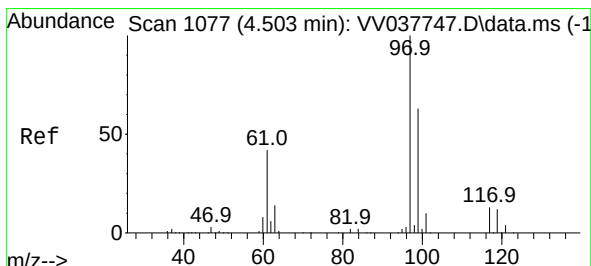
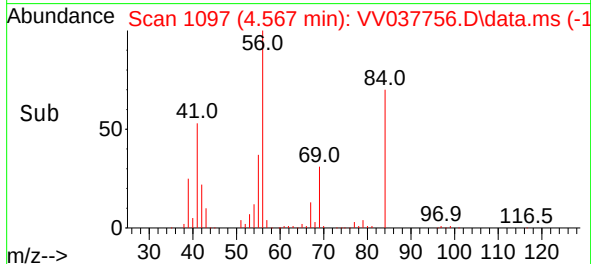
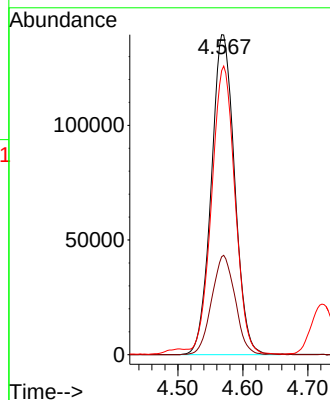
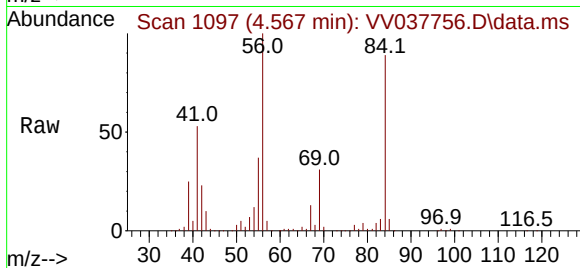
Tgt Ion: 56 Resp: 348445

Ion Ratio Lower Upper

56 100

69 30.9 24.7 37.1

84 90.1 73.4 110.0



#30

1,1,1-Trichloroethane

Concen: 51.595 ug/L

RT: 4.500 min Scan# 1076

Delta R.T. -0.003 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

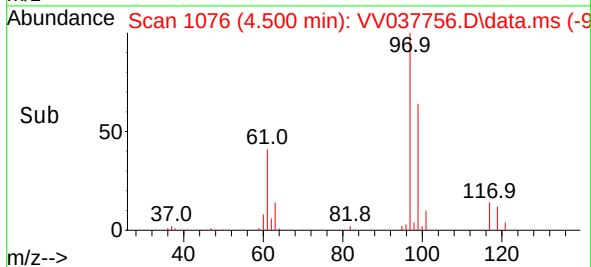
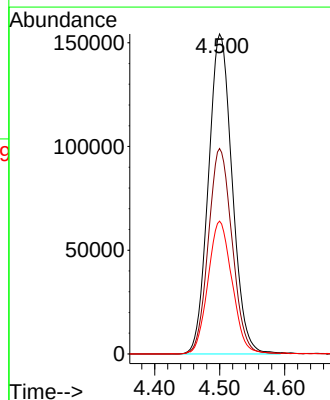
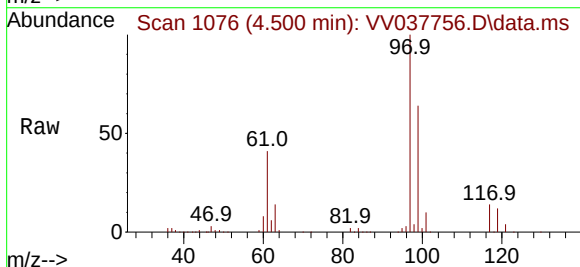
Tgt Ion: 97 Resp: 393155

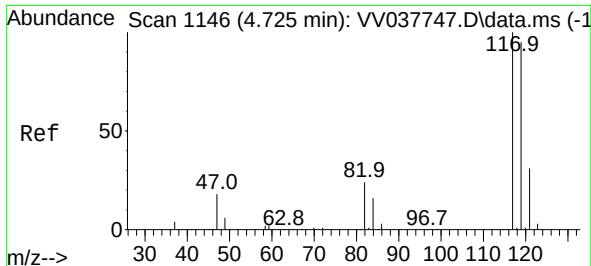
Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.6

61 42.1 33.6 50.4

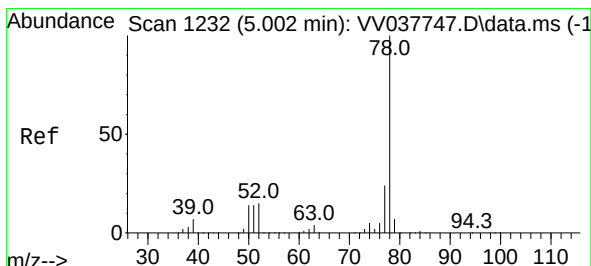
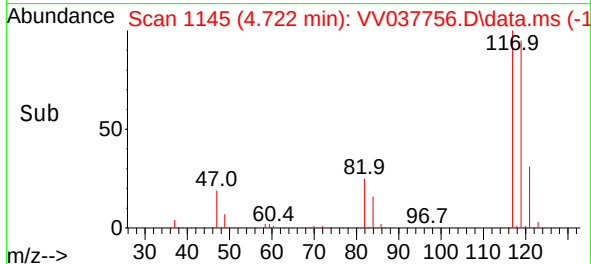
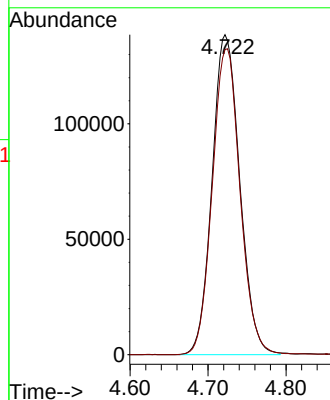
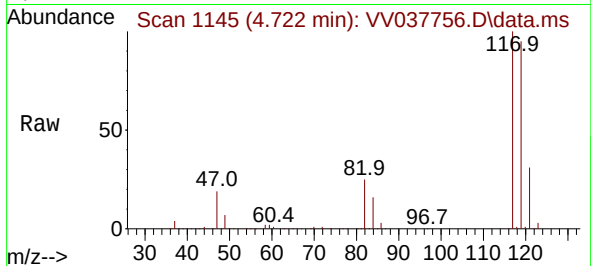




#31
Carbon tetrachloride
Concen: 51.643 ug/L
RT: 4.722 min Scan# 1145
Delta R.T. -0.003 min
Lab File: VV037756.D
Acq: 07 Oct 2024 15:19

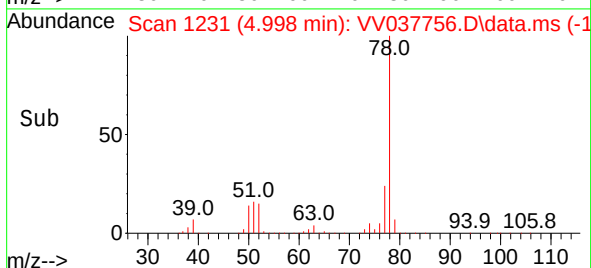
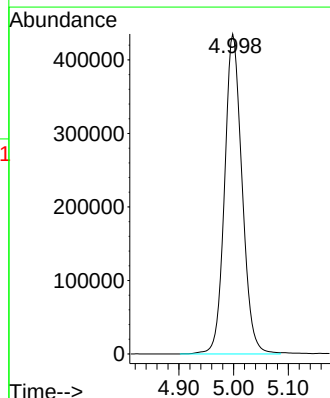
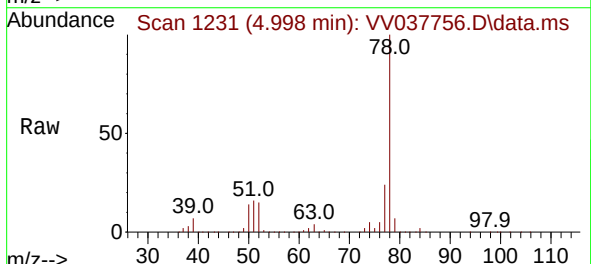
Instrument :
MSVOA_V
ClientSampleId :

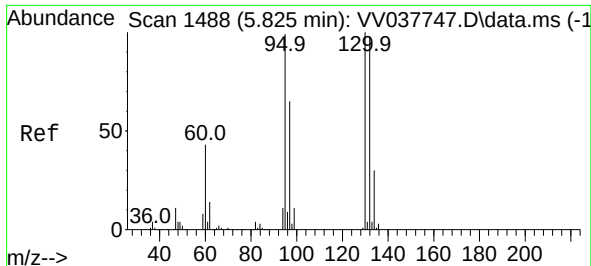
Tgt Ion:117 Resp: 342131
Ion Ratio Lower Upper
117 100
119 96.1 76.9 115.3



#33
Benzene
Concen: 51.795 ug/L
RT: 4.998 min Scan# 1231
Delta R.T. -0.003 min
Lab File: VV037756.D
Acq: 07 Oct 2024 15:19

Tgt Ion: 78 Resp: 966441





#34

Trichloroethene

Concen: 50.603 ug/L

RT: 5.821 min Scan# 1488

Delta R.T. -0.003 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 251454

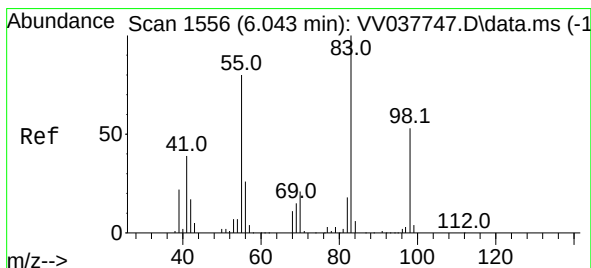
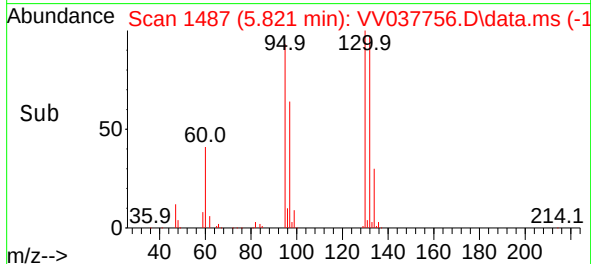
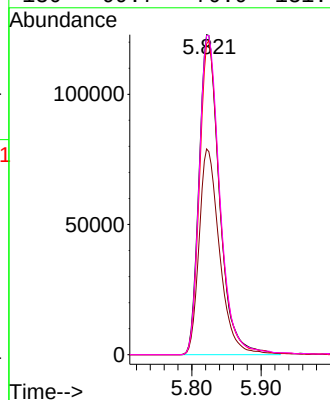
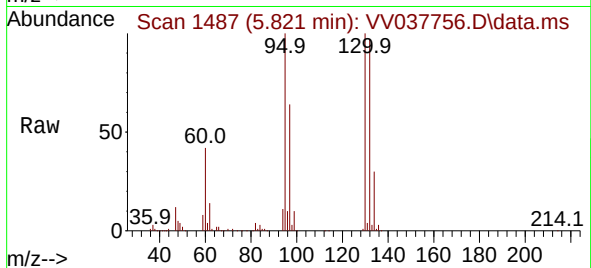
Ion Ratio Lower Upper

95 100

97 64.3 46.3 85.9

132 97.1 68.6 127.4

130 99.7 70.9 131.7



#35

Methylcyclohexane

Concen: 49.002 ug/L

RT: 6.040 min Scan# 1555

Delta R.T. -0.003 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

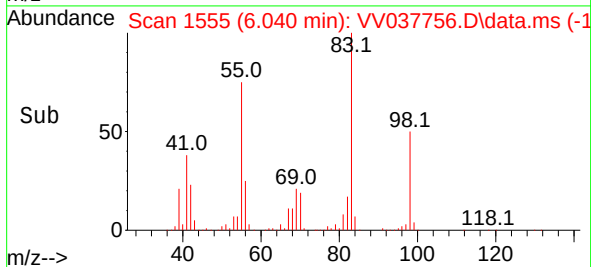
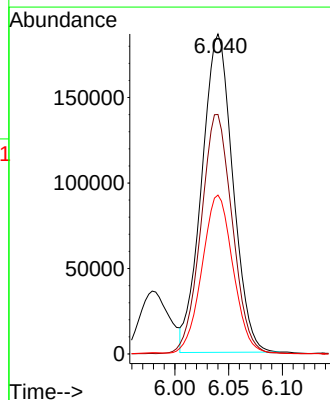
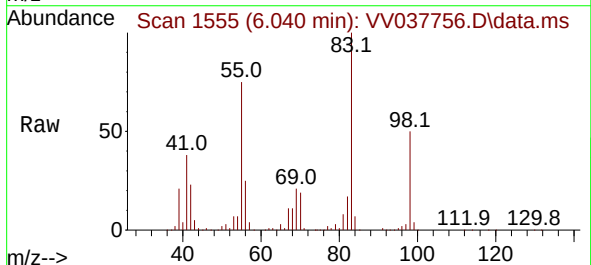
Tgt Ion: 83 Resp: 374585

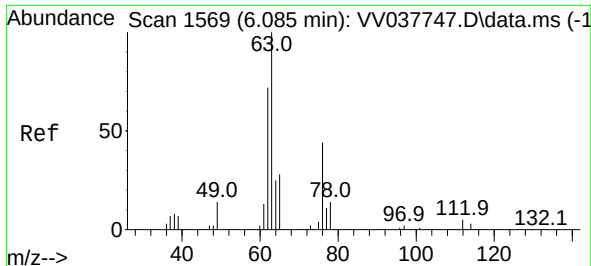
Ion Ratio Lower Upper

83 100

55 75.8 57.9 86.9

98 50.2 39.3 58.9

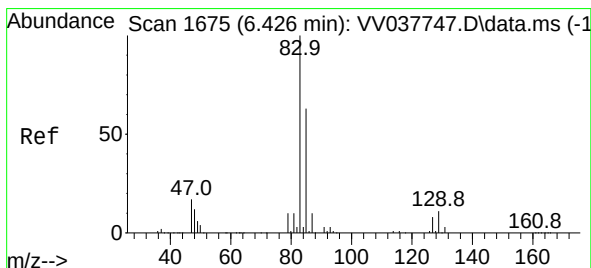
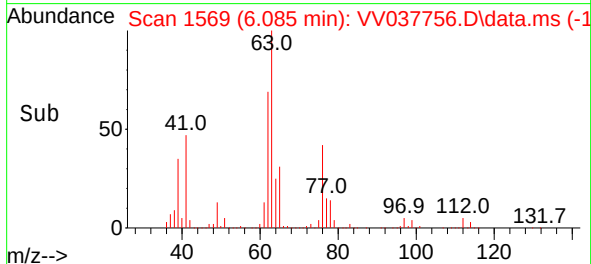
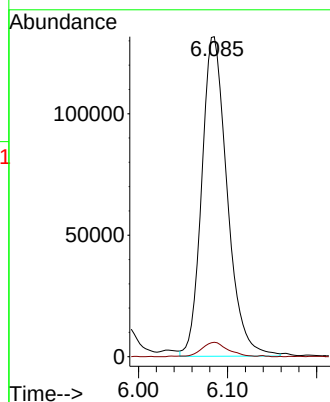
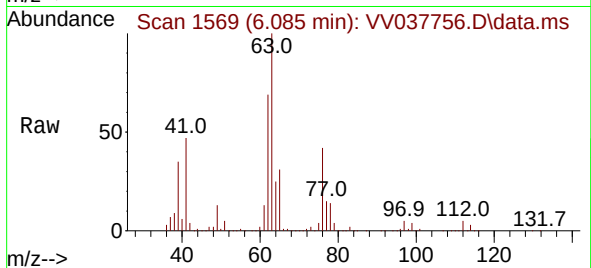




#37
1,2-Dichloropropane
Concen: 54.150 ug/L
RT: 6.085 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VV037756.D
Acq: 07 Oct 2024 15:19

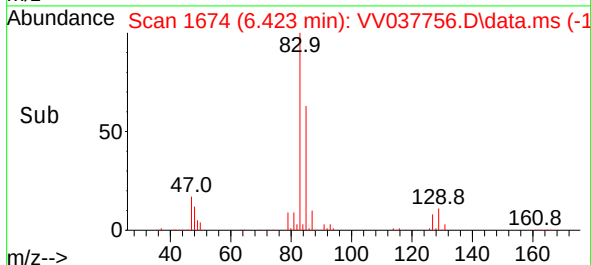
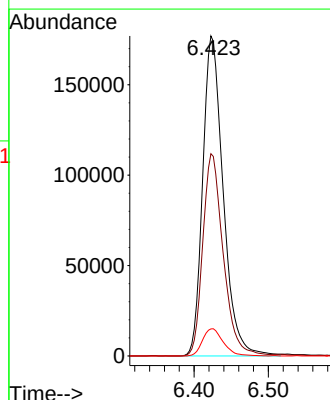
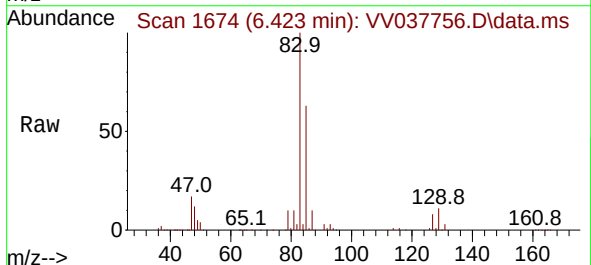
Instrument :
MSVOA_V
ClientSampleId :

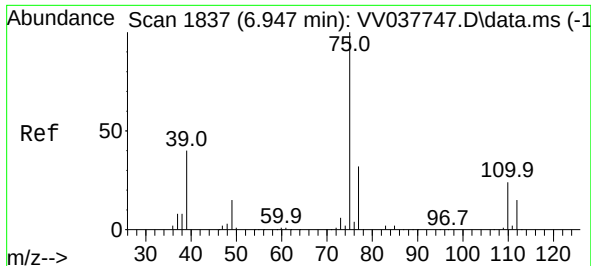
Tgt Ion: 63 Resp: 260911
Ion Ratio Lower Upper
63 100
112 4.6 3.5 5.3



#38
Bromodichloromethane
Concen: 52.787 ug/L
RT: 6.423 min Scan# 1674
Delta R.T. -0.003 min
Lab File: VV037756.D
Acq: 07 Oct 2024 15:19

Tgt Ion: 83 Resp: 340003
Ion Ratio Lower Upper
83 100
85 63.2 45.7 84.9
127 8.5 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 52.020 ug/L

RT: 6.947 min Scan# 1837

Delta R.T. -0.000 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

Instrument :

MSVOA_V

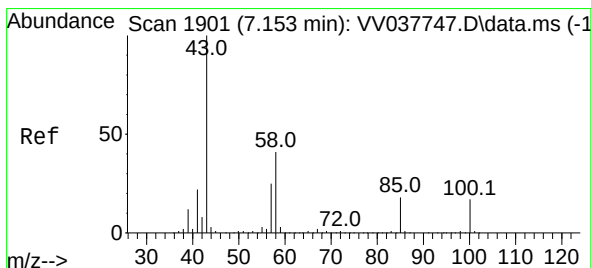
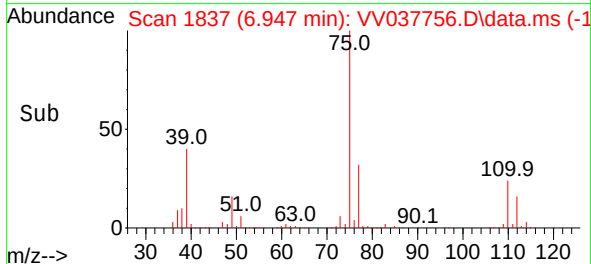
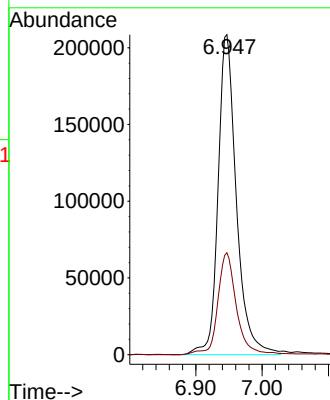
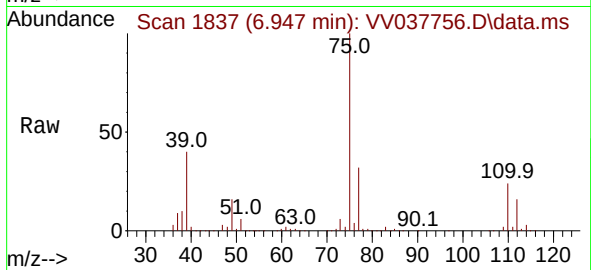
ClientSampleId :

Tgt Ion: 75 Resp: 400104

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 100.840 ug/L

RT: 7.152 min Scan# 1901

Delta R.T. -0.000 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

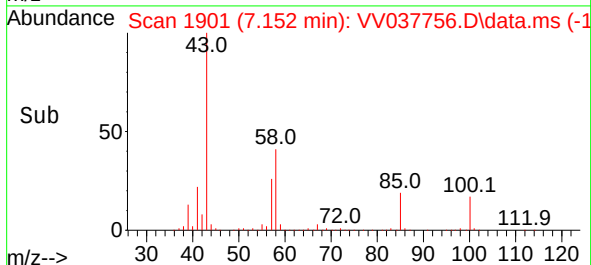
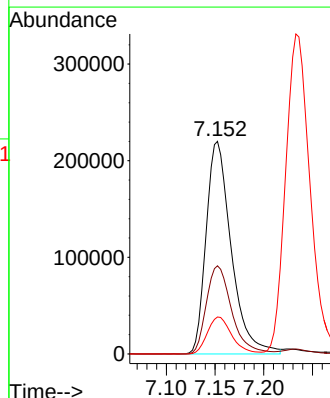
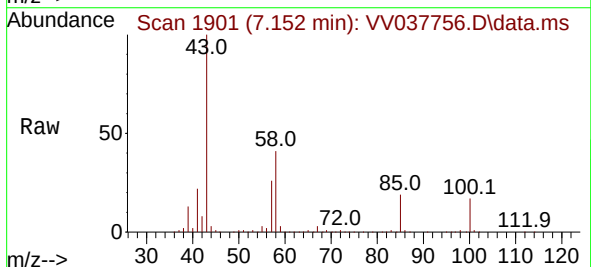
Tgt Ion: 43 Resp: 395606

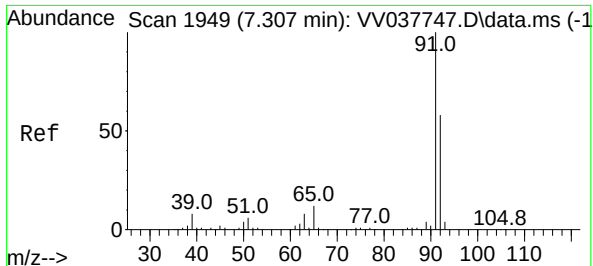
Ion Ratio Lower Upper

43 100

58 41.7 33.0 49.4

100 17.0 13.7 20.5





#42

Toluene

Concen: 52.962 ug/L

RT: 7.307 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

Instrument :

MSVOA_V

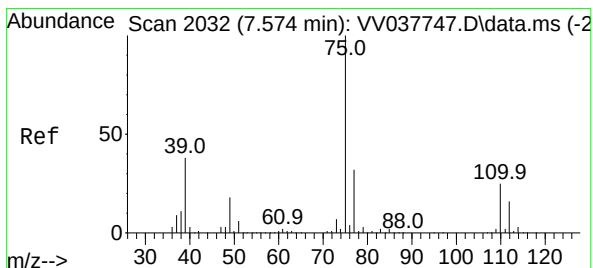
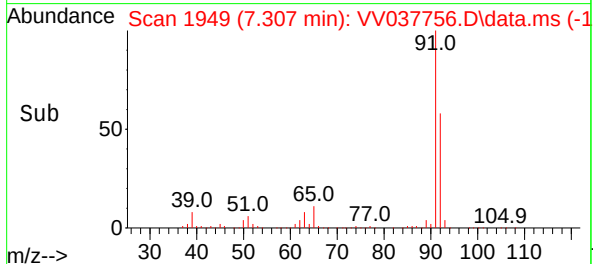
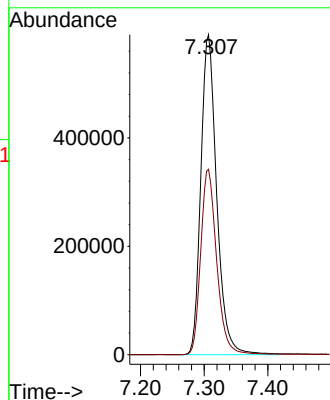
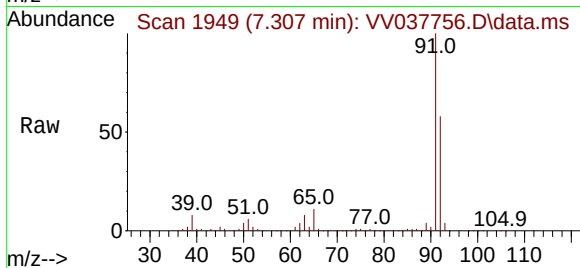
ClientSampleId :

Tgt Ion: 91 Resp: 1024479

Ion Ratio Lower Upper

91 100

92 58.0 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 51.753 ug/L

RT: 7.574 min Scan# 2032

Delta R.T. -0.000 min

Lab File: VV037756.D

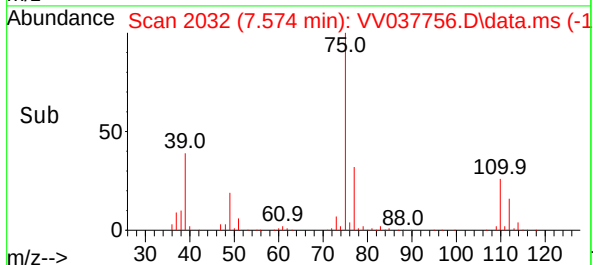
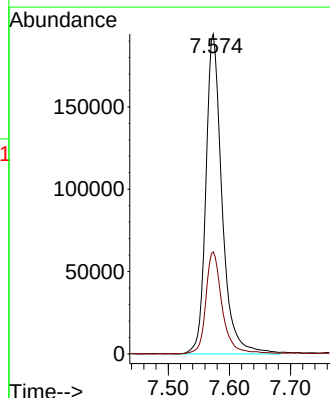
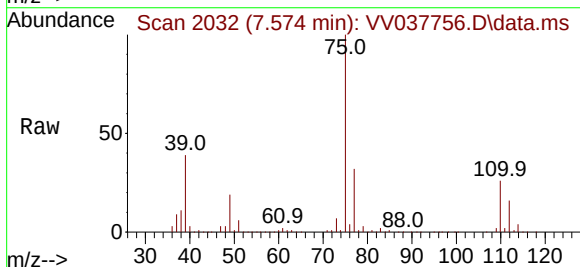
Acq: 07 Oct 2024 15:19

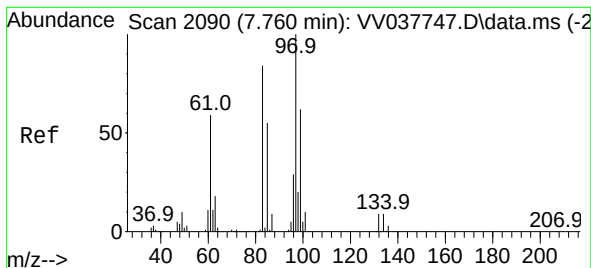
Tgt Ion: 75 Resp: 358368

Ion Ratio Lower Upper

75 100

77 31.9 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 51.743 ug/L

RT: 7.760 min Scan# 2090

Delta R.T. -0.000 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 239391

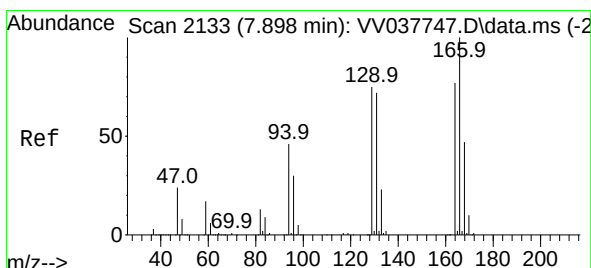
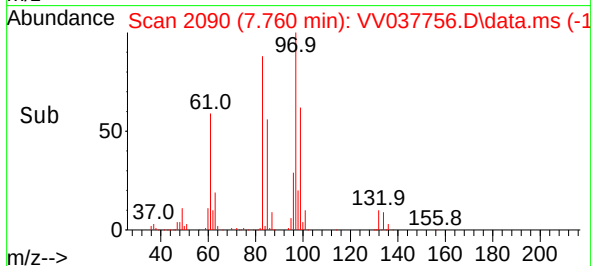
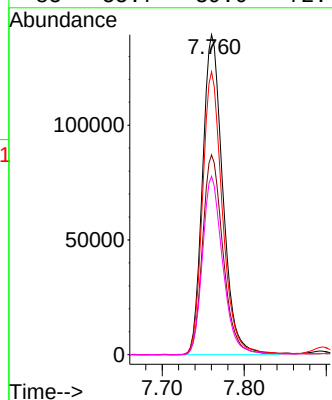
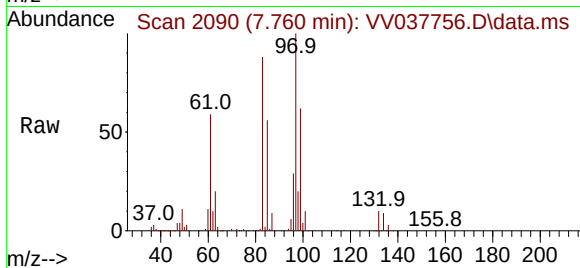
Ion Ratio Lower Upper

97 100

99 62.5 44.1 81.9

83 88.4 59.3 110.1

85 55.7 39.0 72.4



#46

Tetrachloroethene

Concen: 50.721 ug/L

RT: 7.895 min Scan# 2132

Delta R.T. -0.003 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

Tgt Ion:164 Resp: 192702

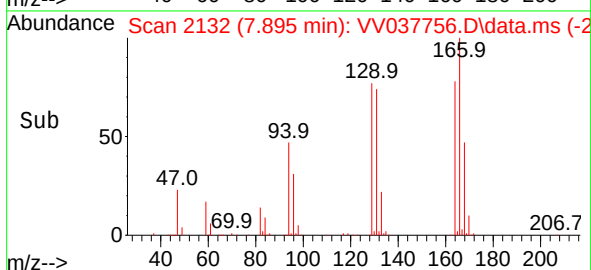
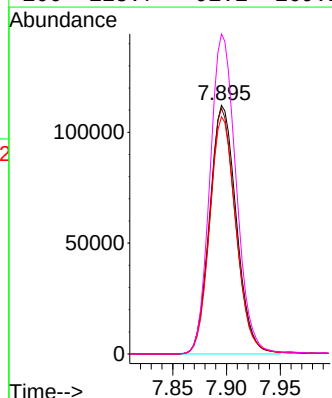
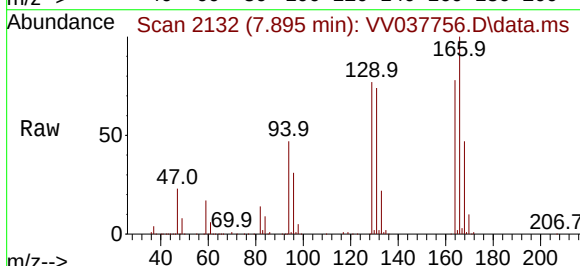
Ion Ratio Lower Upper

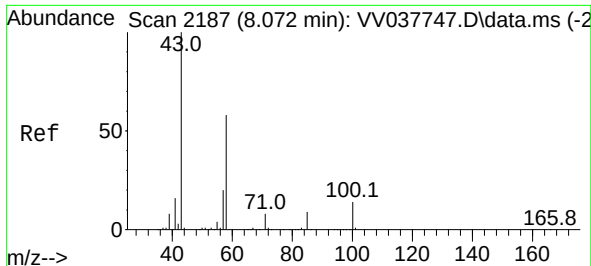
164 100

129 98.9 68.2 126.6

131 95.3 66.1 122.8

166 128.7 91.1 169.1





#48

2-Hexanone

Concen: 93.122 ug/L

RT: 8.069 min Scan# 2186

Delta R.T. -0.003 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 284070

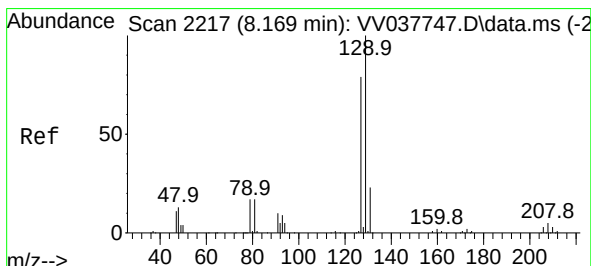
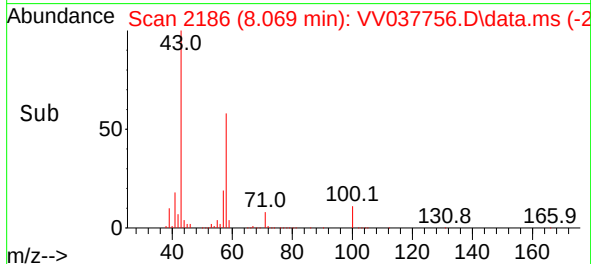
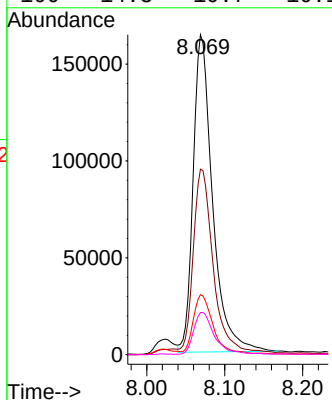
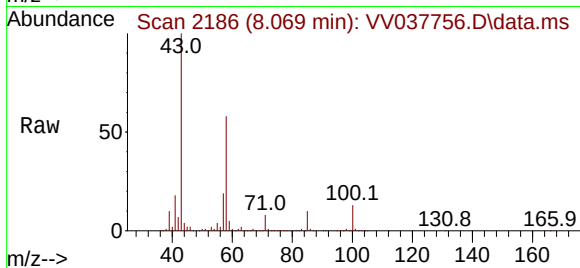
Ion Ratio Lower Upper

43 100

58 57.4 46.5 69.7

57 18.7 15.1 22.7

100 14.3 10.7 16.1



#49

Dibromochloromethane

Concen: 52.171 ug/L

RT: 8.169 min Scan# 2217

Delta R.T. -0.000 min

Lab File: VV037756.D

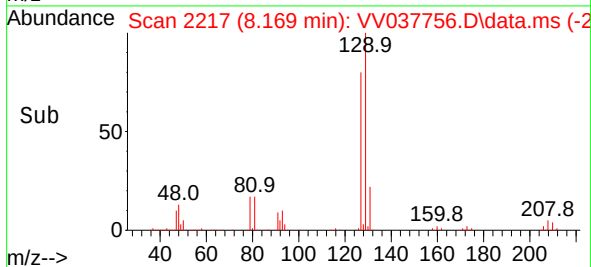
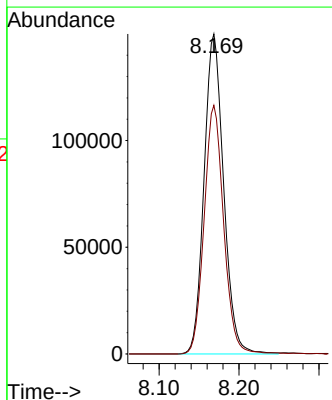
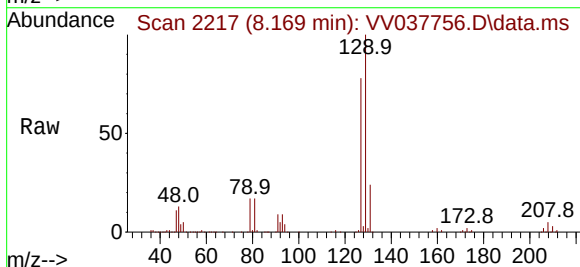
Acq: 07 Oct 2024 15:19

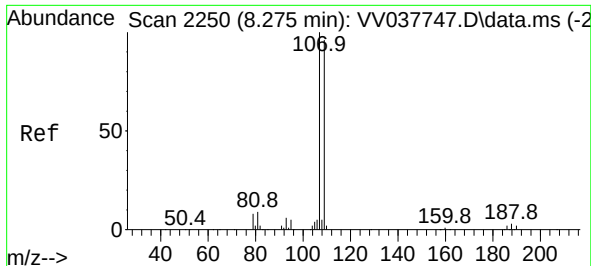
Tgt Ion:129 Resp: 255460

Ion Ratio Lower Upper

129 100

127 77.7 54.9 101.9





#50

1,2-Dibromoethane

Concen: 51.150 ug/L

RT: 8.275 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :

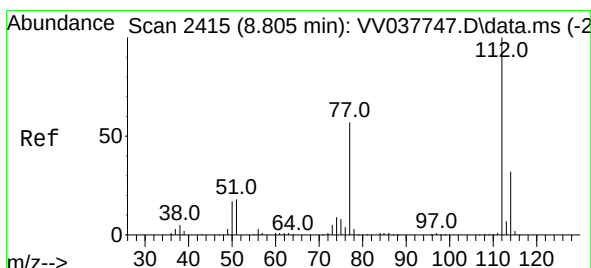
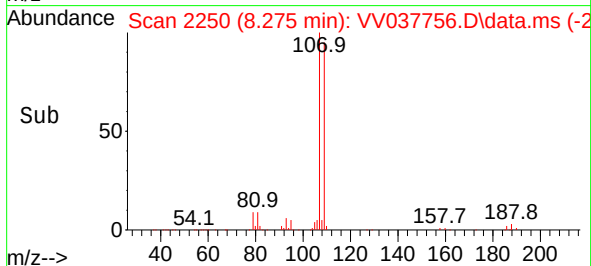
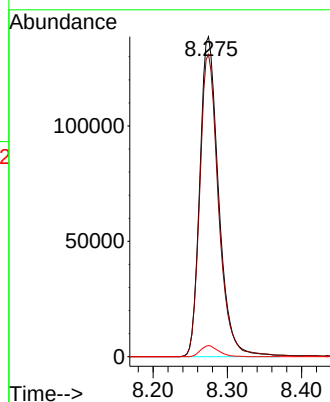
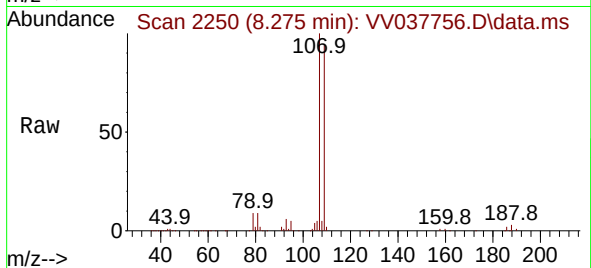
Tgt Ion:107 Resp: 244623

Ion Ratio Lower Upper

107 100

109 94.4 65.7 121.9

188 3.5 2.8 4.2



#51

Chlorobenzene

Concen: 51.221 ug/L

RT: 8.805 min Scan# 2415

Delta R.T. -0.000 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

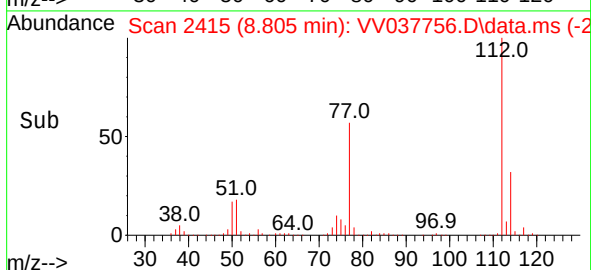
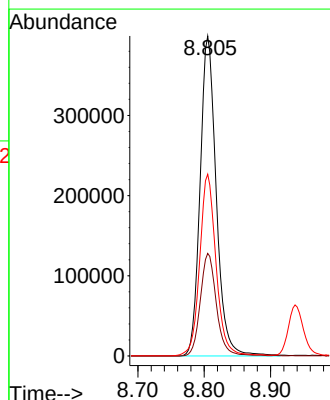
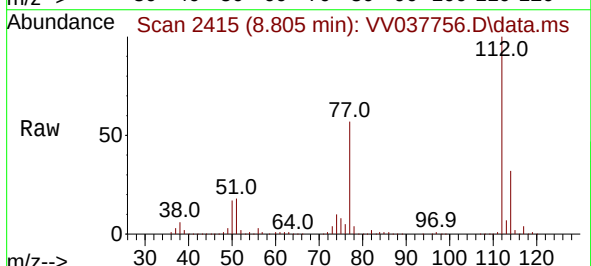
Tgt Ion:112 Resp: 675030

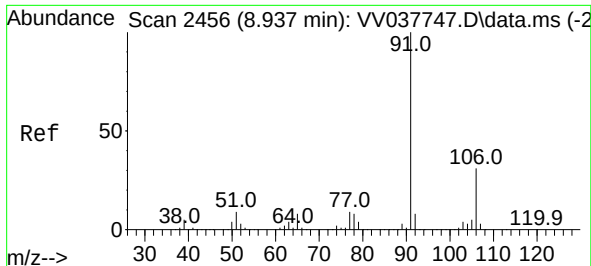
Ion Ratio Lower Upper

112 100

114 32.1 22.5 41.7

77 56.8 45.8 68.8





#52

Ethylbenzene

Concen: 52.003 ug/L

RT: 8.937 min Scan# 2456

Delta R.T. -0.000 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

Instrument :

MSVOA_V

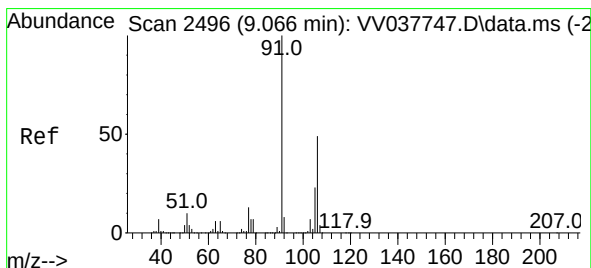
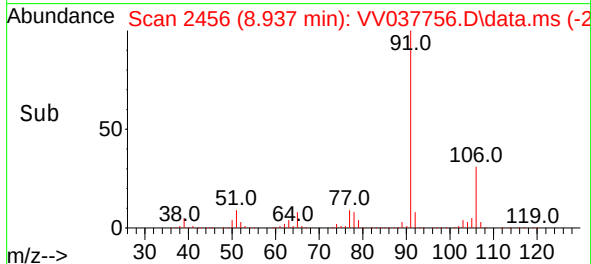
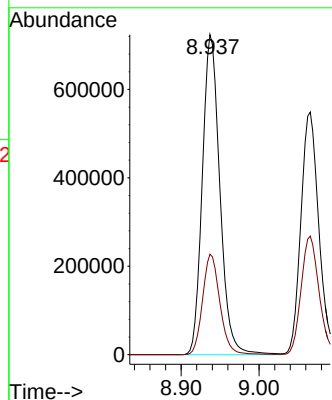
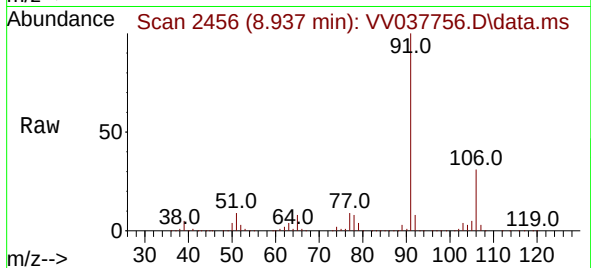
ClientSampleId :

Tgt Ion: 91 Resp: 1132319

Ion Ratio Lower Upper

91 100

106 31.4 21.9 40.7



#53

m,p-Xylene

Concen: 53.241 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. -0.000 min

Lab File: VV037756.D

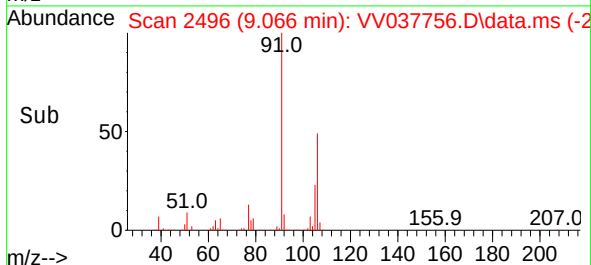
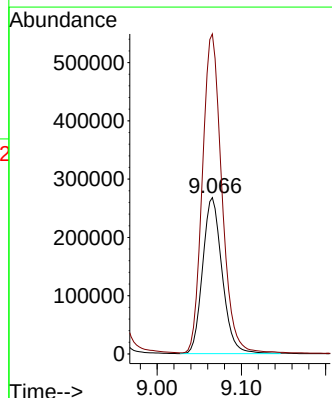
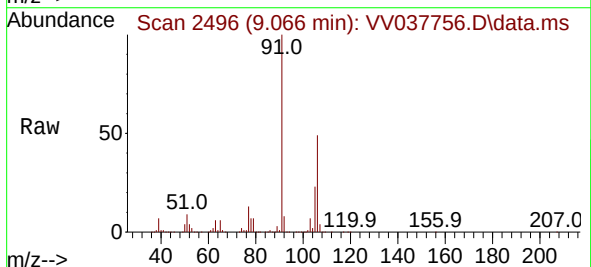
Acq: 07 Oct 2024 15:19

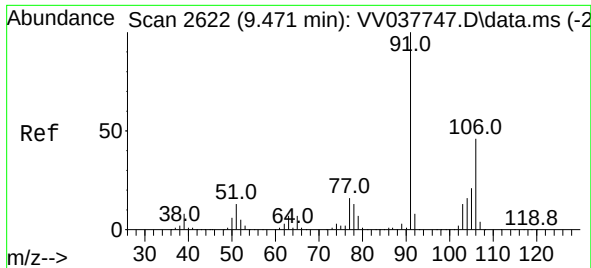
Tgt Ion:106 Resp: 431446

Ion Ratio Lower Upper

106 100

91 204.7 142.0 263.6

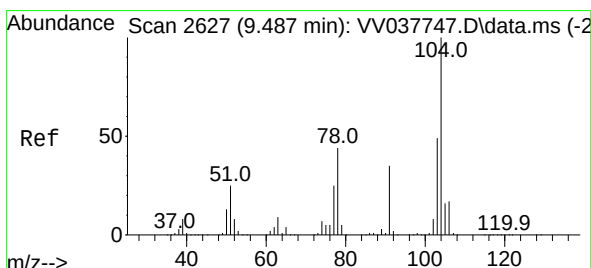
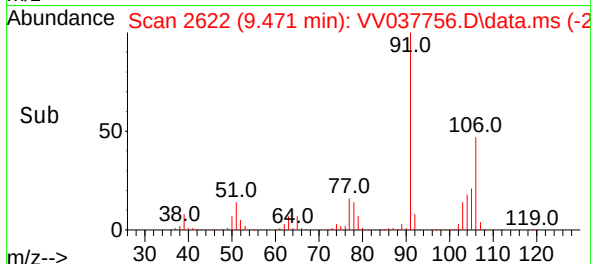
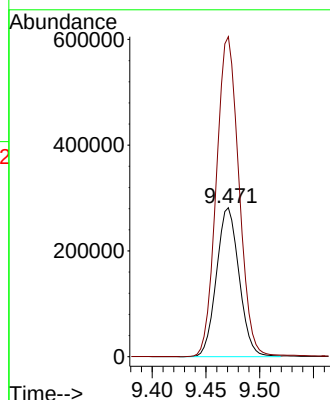
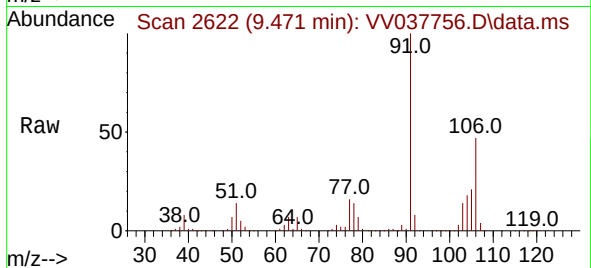




#54
o-Xylene
Concen: 52.085 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. -0.000 min
Lab File: VV037756.D
Acq: 07 Oct 2024 15:19

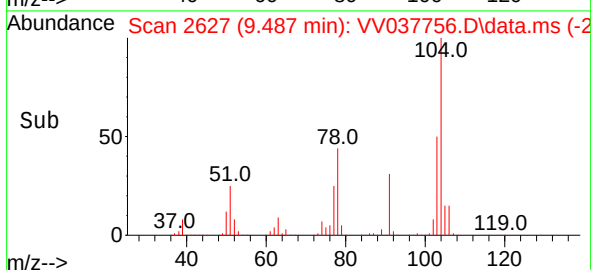
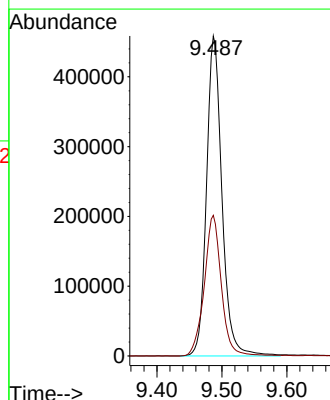
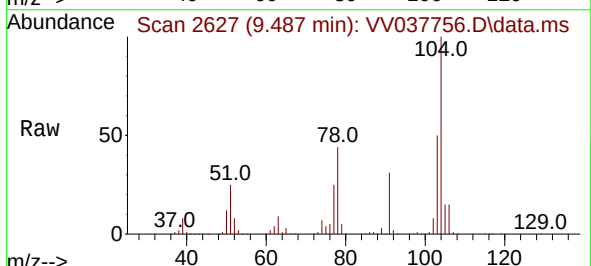
Instrument :
MSVOA_V
ClientSampleId :

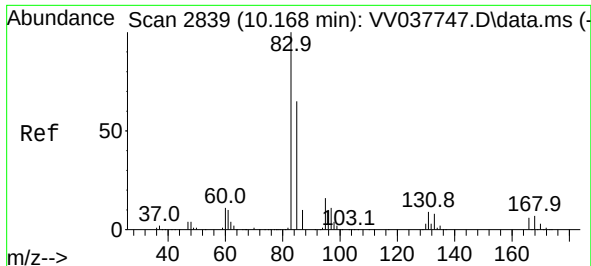
Tgt Ion:106 Resp: 412069
Ion Ratio Lower Upper
106 100
91 214.9 153.9 285.9



#55
Styrene
Concen: 55.179 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV037756.D
Acq: 07 Oct 2024 15:19

Tgt Ion:104 Resp: 759970
Ion Ratio Lower Upper
104 100
78 43.9 30.0 55.6





#57

1,1,2,2-Tetrachloroethane

Concen: 51.088 ug/L

RT: 10.168 min Scan# 2839

Delta R.T. -0.000 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :

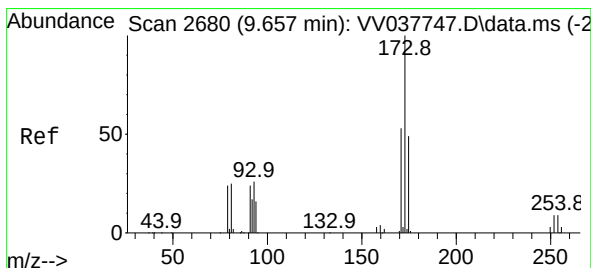
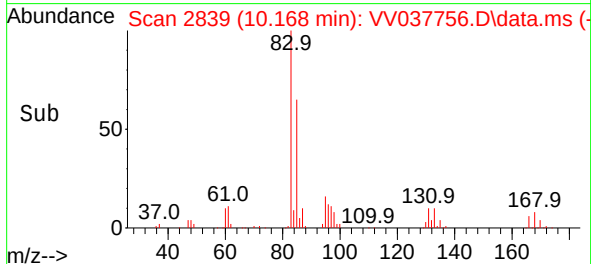
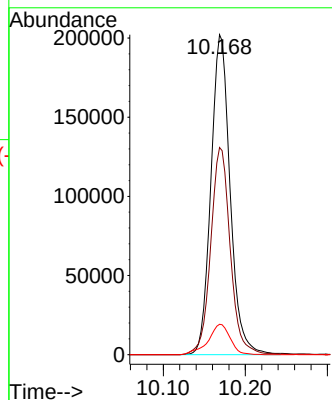
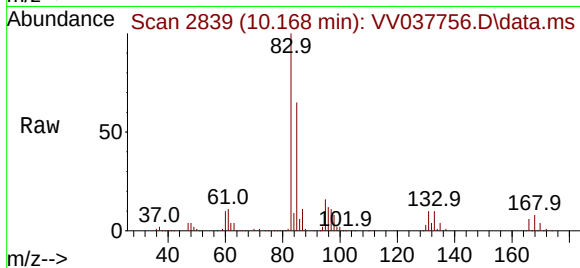
Tgt Ion: 83 Resp: 329534

Ion Ratio Lower Upper

83 100

85 64.7 45.9 85.3

131 9.5 7.9 11.9



#59

Bromoform

Concen: 49.535 ug/L

RT: 9.657 min Scan# 2680

Delta R.T. -0.000 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

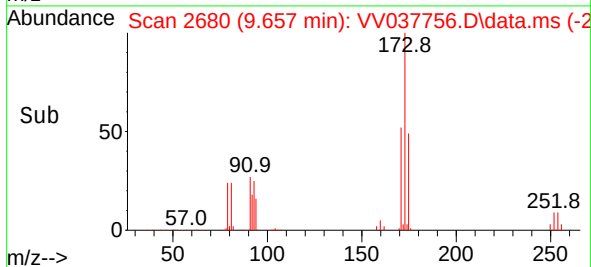
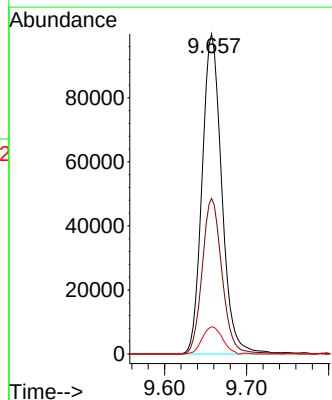
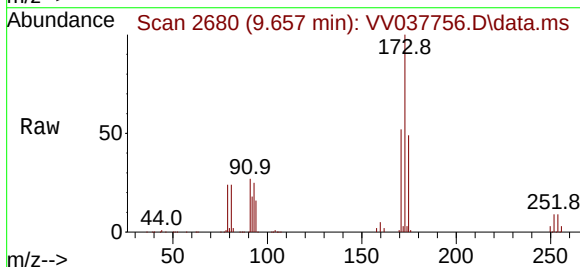
Tgt Ion: 173 Resp: 166568

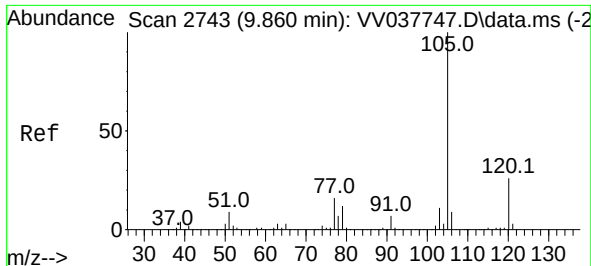
Ion Ratio Lower Upper

173 100

175 48.9 40.0 60.0

254 8.7 6.5 9.7

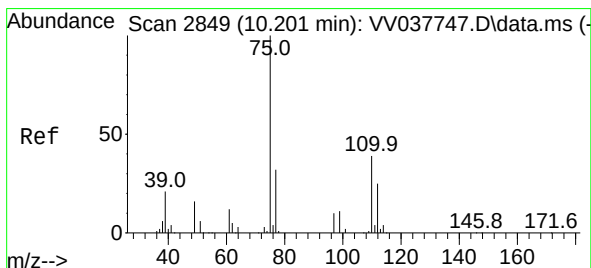
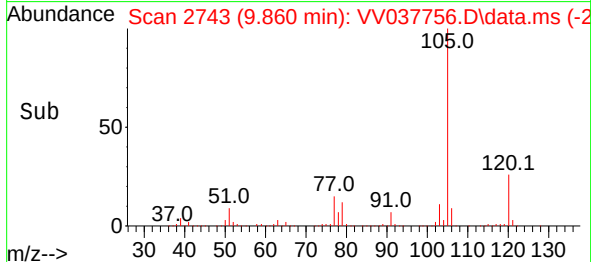
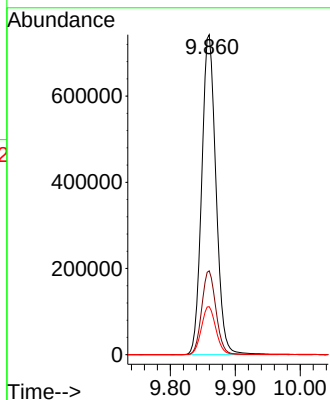
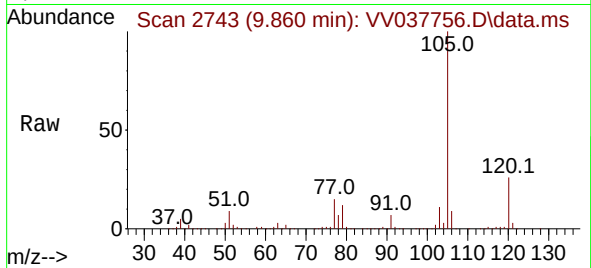




#60
Isopropylbenzene
Concen: 50.707 ug/L
RT: 9.860 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV037756.D
Acq: 07 Oct 2024 15:19

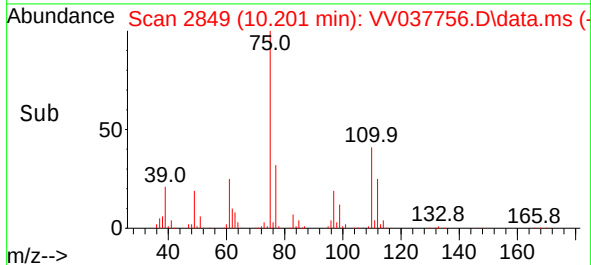
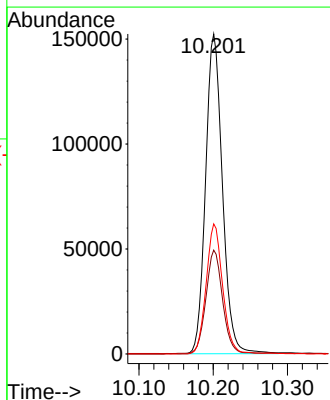
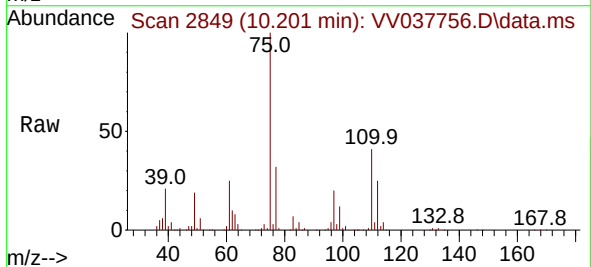
Instrument :
MSVOA_V
ClientSampleId :

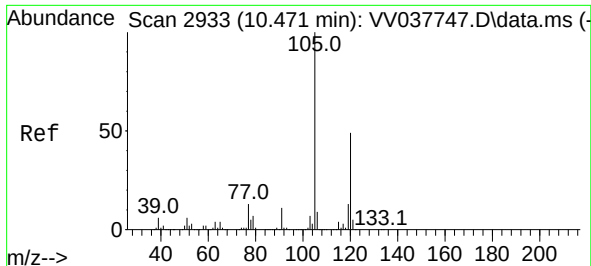
Tgt Ion:105 Resp: 1134218
Ion Ratio Lower Upper
105 100
120 26.3 20.7 31.1
77 15.2 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 48.996 ug/L
RT: 10.201 min Scan# 2849
Delta R.T. -0.000 min
Lab File: VV037756.D
Acq: 07 Oct 2024 15:19

Tgt Ion: 75 Resp: 239864
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0
110 39.7 31.7 47.5





#62

1,3,5-Trimethylbenzene

Concen: 51.080 ug/L

RT: 10.467 min Scan# 2933

Delta R.T. -0.003 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

Instrument :

MSVOA_V

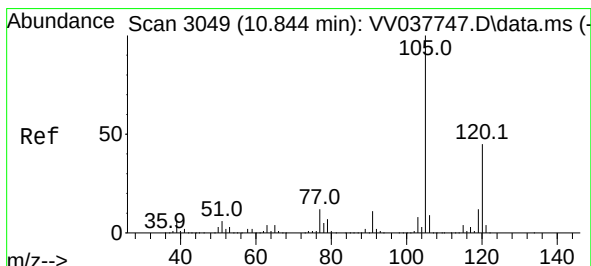
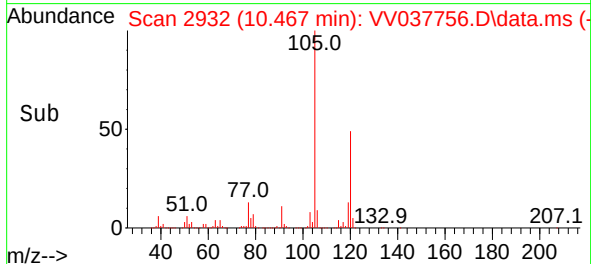
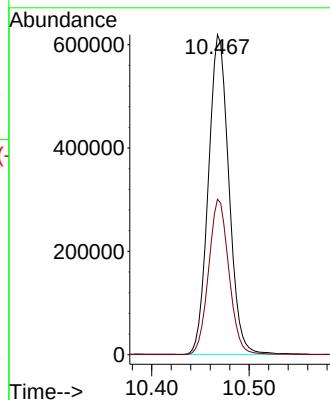
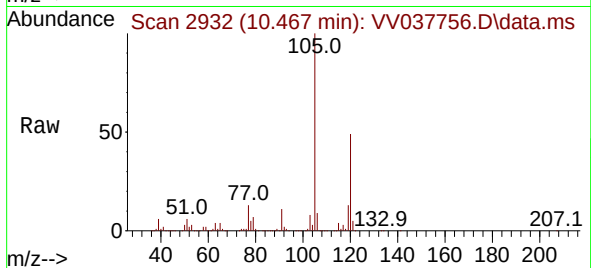
ClientSampleId :

Tgt Ion:105 Resp: 903301

Ion Ratio Lower Upper

105 100

120 48.3 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 51.055 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VV037756.D

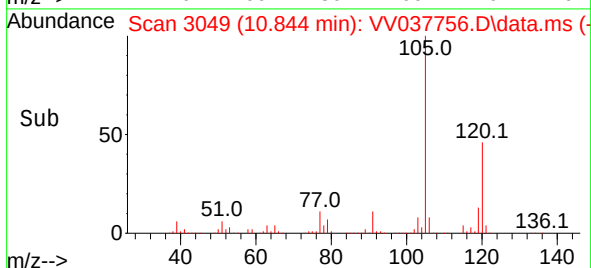
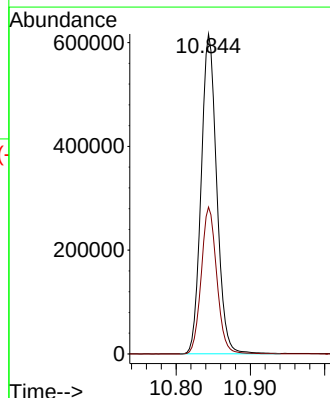
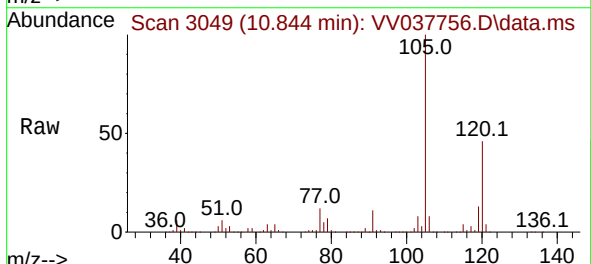
Acq: 07 Oct 2024 15:19

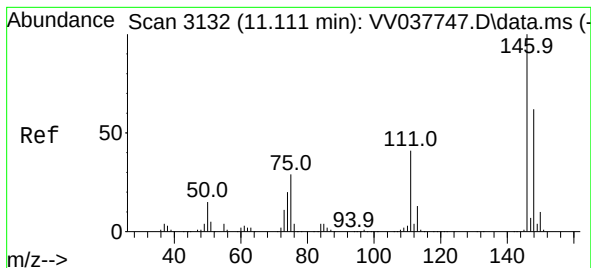
Tgt Ion:105 Resp: 898321

Ion Ratio Lower Upper

105 100

120 45.7 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 50.162 ug/L

RT: 11.107 min Scan# 3131

Delta R.T. -0.003 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :

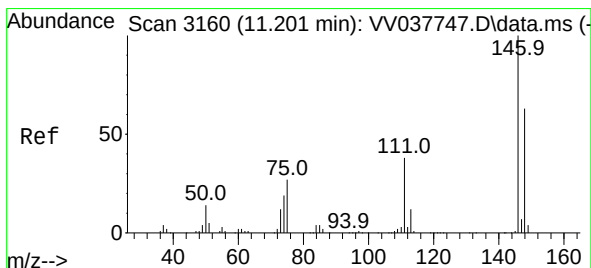
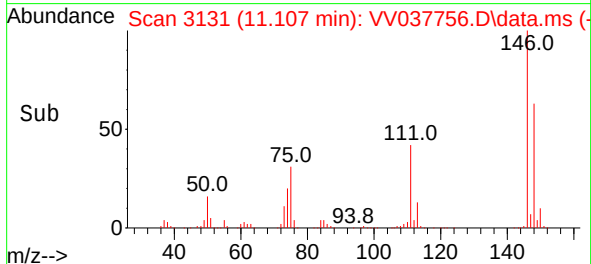
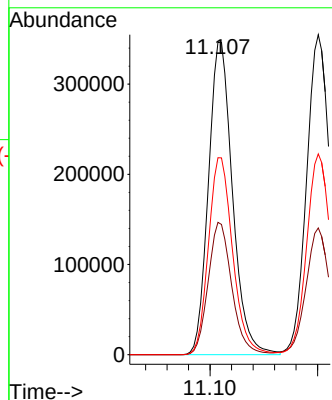
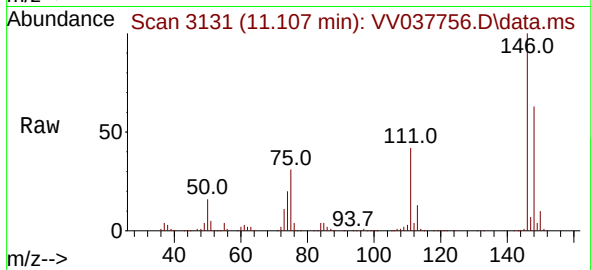
Tgt Ion:146 Resp: 540066

Ion Ratio Lower Upper

146 100

111 42.4 28.3 52.5

148 63.1 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 50.205 ug/L

RT: 11.201 min Scan# 3160

Delta R.T. -0.000 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

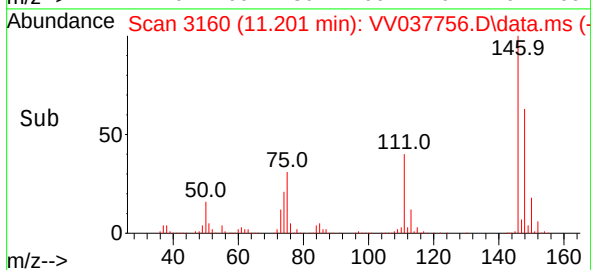
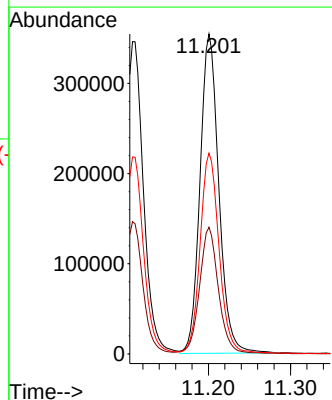
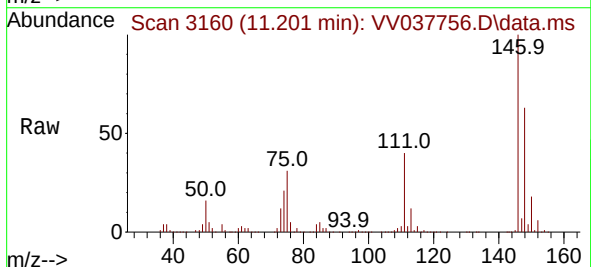
Tgt Ion:146 Resp: 562849

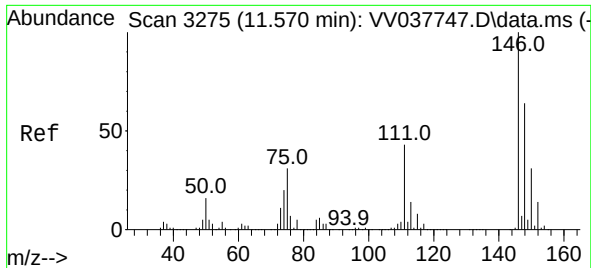
Ion Ratio Lower Upper

146 100

111 39.6 27.6 51.4

148 62.7 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 49.933 ug/L

RT: 11.570 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :

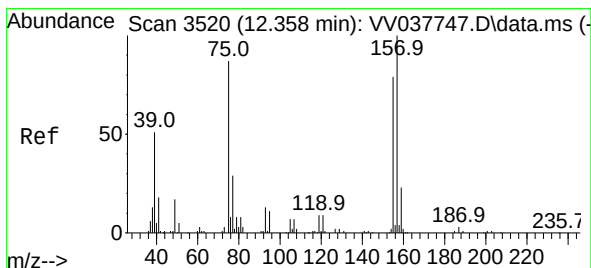
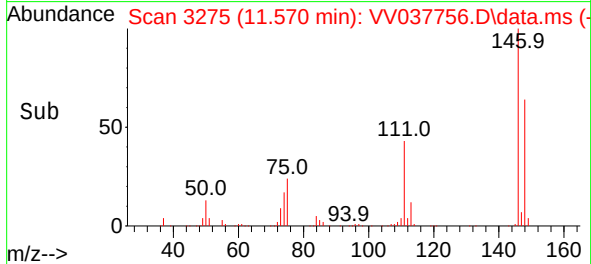
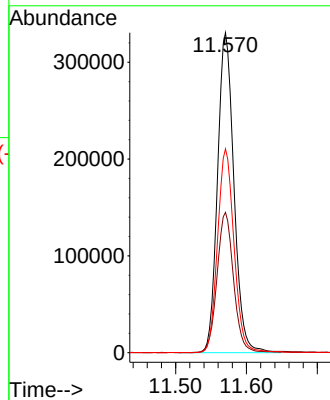
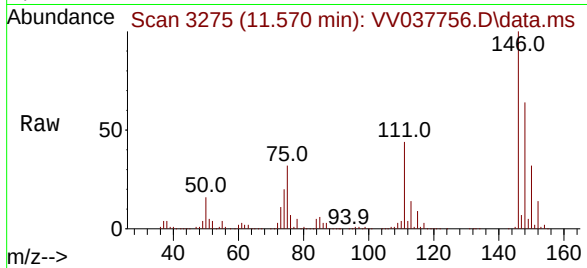
Tgt Ion:146 Resp: 531452

Ion Ratio Lower Upper

146 100

111 43.8 34.2 51.2

148 63.7 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 45.520 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. -0.000 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

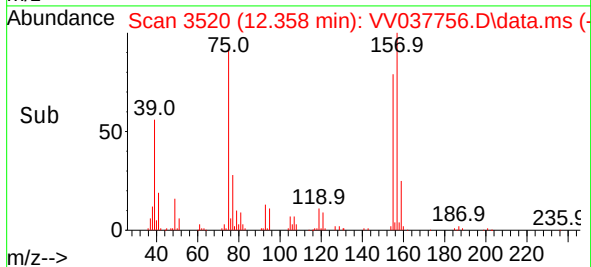
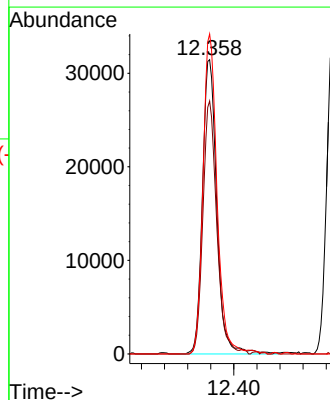
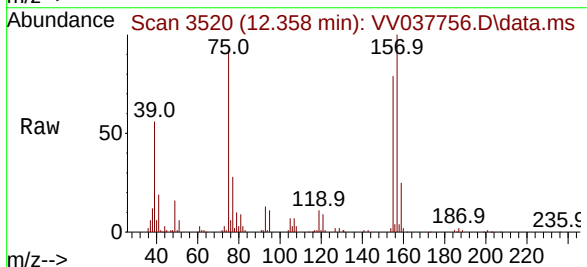
Tgt Ion: 75 Resp: 54096

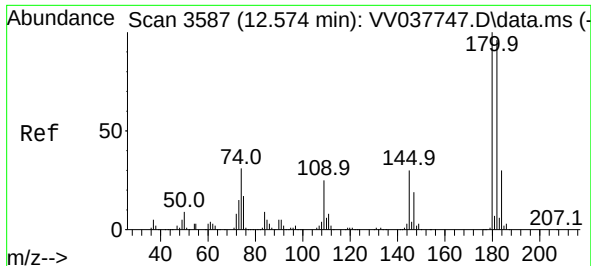
Ion Ratio Lower Upper

75 100

155 86.0 66.2 99.4

157 108.8 87.3 130.9





#69

1,3,5-Trichlorobenzene

Concen: 48.408 ug/L

RT: 12.573 min Scan# 3587

Delta R.T. -0.000 min

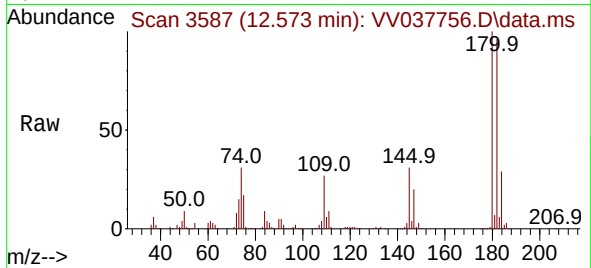
Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 358401

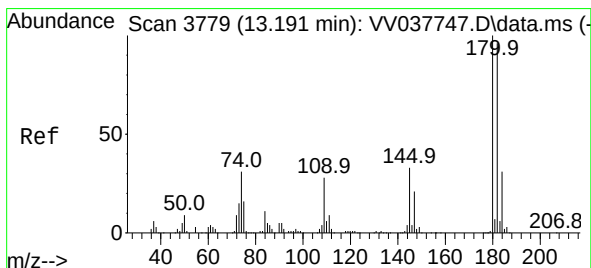
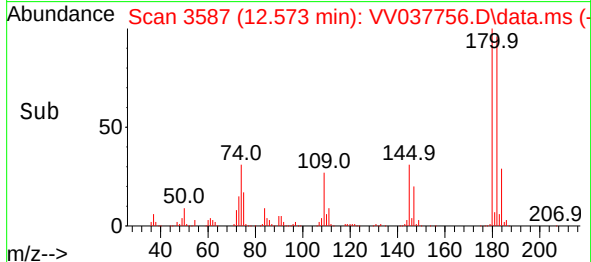
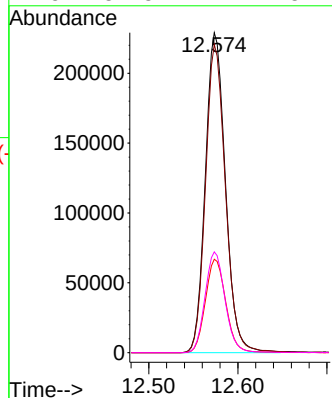
Ion Ratio Lower Upper

180 100

182 95.2 75.6 113.4

184 29.8 23.8 35.6

145 31.3 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 46.850 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. -0.000 min

Lab File: VV037756.D

Acq: 07 Oct 2024 15:19

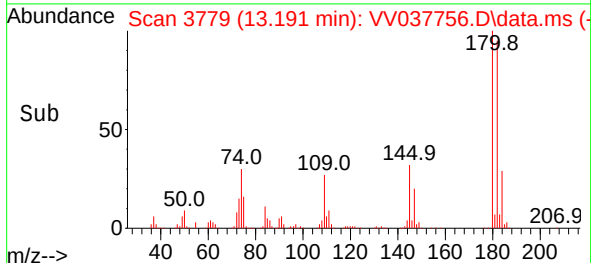
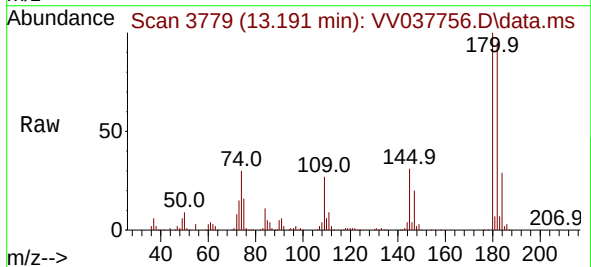
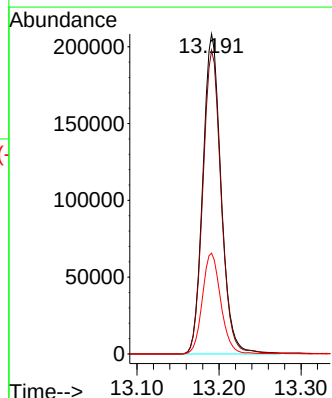
Tgt Ion:180 Resp: 321824

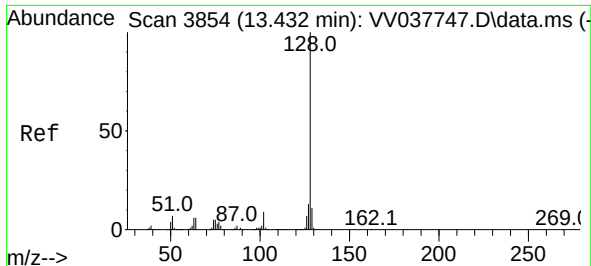
Ion Ratio Lower Upper

180 100

182 94.8 75.9 113.9

145 31.7 25.4 38.2

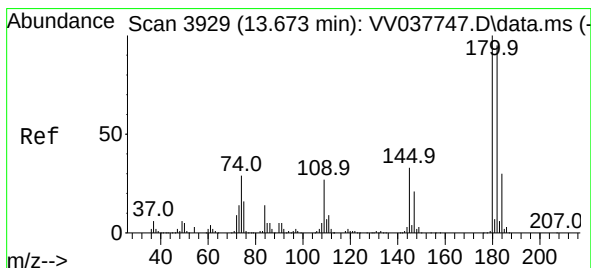
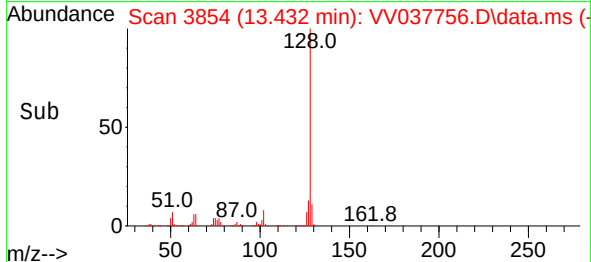
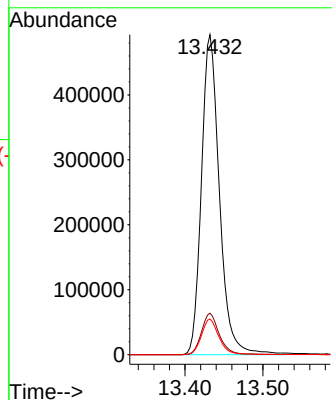
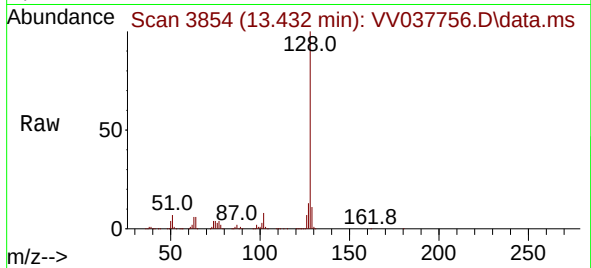




#71
Naphthalene
Concen: 44.015 ug/L
RT: 13.432 min Scan# 3854
Delta R.T. -0.000 min
Lab File: VV037756.D
Acq: 07 Oct 2024 15:19

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 789947
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.7 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 47.337 ug/L
RT: 13.673 min Scan# 3929
Delta R.T. -0.000 min
Lab File: VV037756.D
Acq: 07 Oct 2024 15:19

Tgt Ion:180 Resp: 321111
Ion Ratio Lower Upper
180 100
182 94.7 75.8 113.8
145 33.4 26.2 39.4

