

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV101024\
 Data File : VV037811.D
 Acq On : 10 Oct 2024 17:13
 Operator : SY/MD
 Sample : P4379-08MS
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 11 05:16:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 11 05:10:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	592472	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	577518	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	319064	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	200469	38.545	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.080%
7) Chloroethane-d5	1.532	69	175303	43.424	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.840%
11) 1,1-Dichloroethene-d2	2.059	65	92272	42.465	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.920%
21) 2-Butanone-d5	3.796	46	186282	100.558	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.560%
24) Chloroform-d	4.243	84	452793	48.934	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.860%
26) 1,2-Dichloroethane-d4	4.934	65	261620	48.304	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.600%
32) Benzene-d6	4.953	84	846176	46.823	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.640%
36) 1,2-Dichloropropane-d6	5.985	67	274779	47.750	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.500%
41) Toluene-d8	7.236	98	779370	47.561	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.120%
43) trans-1,3-Dichloroprop...	7.548	79	122183	45.706	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.420%
47) 2-Hexanone-d5	8.024	63	123886	101.953	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.950%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	343287	51.341	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.680%
66) 1,2-Dichlorobenzene-d4	11.551	152	308562	45.894	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	231555	45.909	ug/L	100
3) Chloromethane	1.220	50	232299	47.440	ug/L	100
5) Vinyl chloride	1.285	62	243783	46.438	ug/L	98
6) Bromomethane	1.487	94	139999	48.055	ug/L	99
8) Chloroethane	1.548	64	151939	46.958	ug/L	98
9) Trichlorofluoromethane	1.712	101	352289	49.855	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	208137	49.291	ug/L	99
12) 1,1-Dichloroethene	2.069	96	191272	48.492	ug/L	83
13) Acetone	2.114	43	127194	70.041	ug/L	100
14) Carbon disulfide	2.240	76	528485	42.924	ug/L	99
15) Methyl Acetate	2.371	43	160841	50.752	ug/L	99
16) Methylene chloride	2.442	84	216501	48.476	ug/L	99
17) trans-1,2-Dichloroethene	2.686	96	200792	48.119	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	623074	52.045	ug/L	100
19) 1,1-Dichloroethane	3.104	63	399894	50.019	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	234500	50.219	ug/L	98
22) 2-Butanone	3.879	43	182260	90.676	ug/L	98
23) Bromochloromethane	4.140	128	121592	50.339	ug/L	98
25) Chloroform	4.268	83	421728	50.948	ug/L	99

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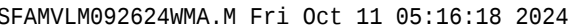
Instrument :
 MSVOA_V
 ClientSampleId :

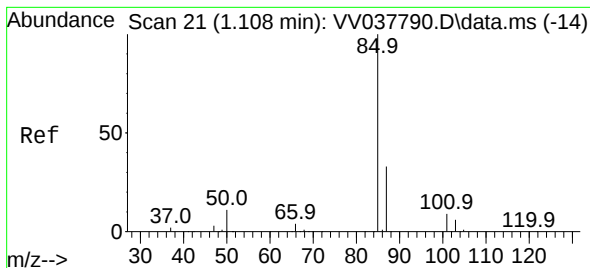
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	303394	51.919	ug/L	99
29) Cyclohexane	4.571	56	303573	46.297	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	358422	50.391	ug/L	99
31) Carbon tetrachloride	4.725	117	310393	50.193	ug/L	100
33) Benzene	5.002	78	877157	50.361	ug/L	100
34) Trichloroethene	5.825	95	230346	49.660	ug/L	98
35) Methylcyclohexane	6.043	83	327615	45.913	ug/L	98
37) 1,2-Dichloropropane	6.088	63	228980	50.911	ug/L	99
38) Bromodichloromethane	6.429	83	312670	52.004	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	360935	50.273	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	405832	110.822	ug/L	99
42) Toluene	7.310	91	939939	52.056	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	324638	50.225	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	226229	52.384	ug/L	99
46) Tetrachloroethene	7.899	164	171341	48.314	ug/L	99
48) 2-Hexanone	8.072	43	277881	97.587	ug/L	96
49) Dibromochloromethane	8.169	129	239875	52.480	ug/L	100
50) 1,2-Dibromoethane	8.275	107	230968	51.738	ug/L	99
51) Chlorobenzene	8.808	112	620044	50.403	ug/L	98
52) Ethylbenzene	8.940	91	1028546	50.605	ug/L	100
53) m,p-Xylene	9.066	106	391148	51.709	ug/L	100
54) o-Xylene	9.471	106	381057	51.599	ug/L	97
55) Styrene	9.490	104	692648	53.876	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.169	83	323295	53.694	ug/L	97
59) Bromoform	9.657	173	163687	52.490	ug/L	95
60) Isopropylbenzene	9.860	105	1033064	49.802	ug/L	100
61) 1,2,3-Trichloropropane	10.201	75	227805	50.176	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	814526	49.666	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	812976	49.822	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	491547	49.231	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	519557	49.973	ug/L	99
67) 1,2-Dichlorobenzene	11.570	146	491739	49.820	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.358	75	54196	49.175	ug/L	94
69) 1,3,5-Trichlorobenzene	12.574	180	322346	46.947	ug/L	100
70) 1,2,4-trichlorobenzene	13.191	180	290997	45.679	ug/L	99
71) Naphthalene	13.432	128	829606	49.844	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	296807	47.180	ug/L	98

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

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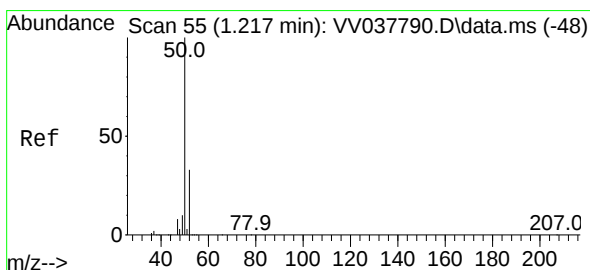
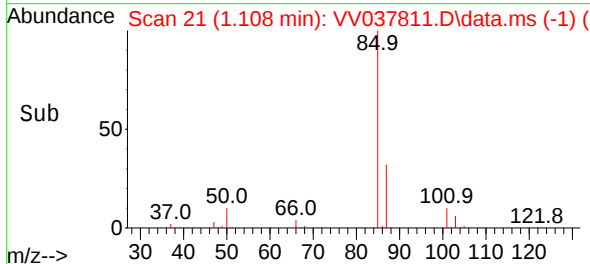
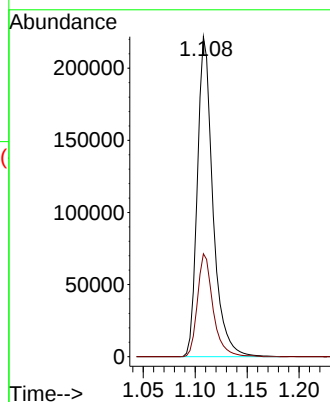
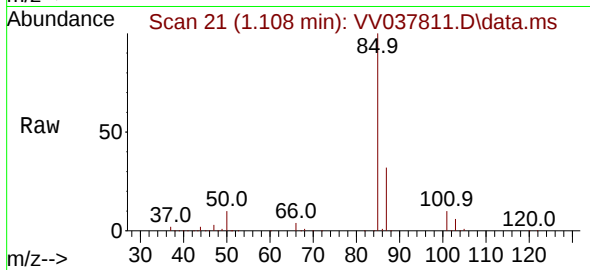




#2
 Dichlorodifluoromethane
 Concen: 45.909 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV037811.D
 Acq: 10 Oct 2024 17:13

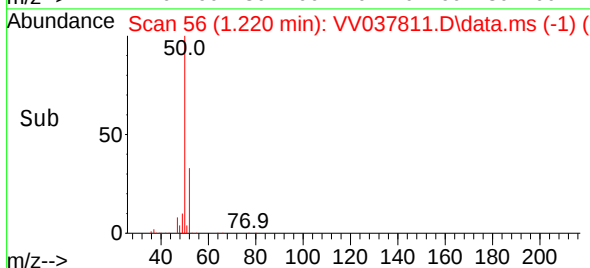
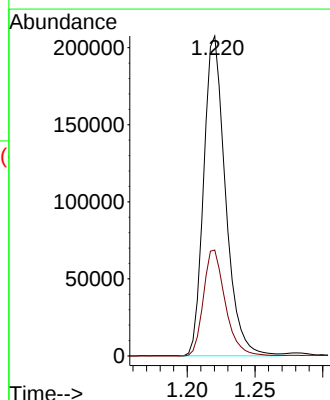
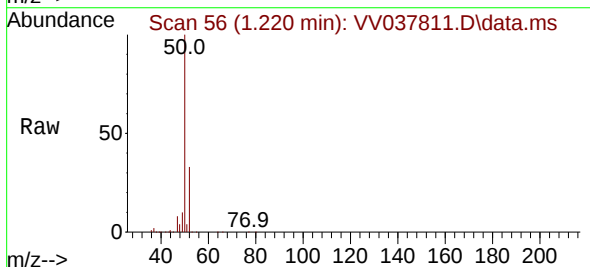
Instrument :
 MSVOA_V
 ClientSampleId :

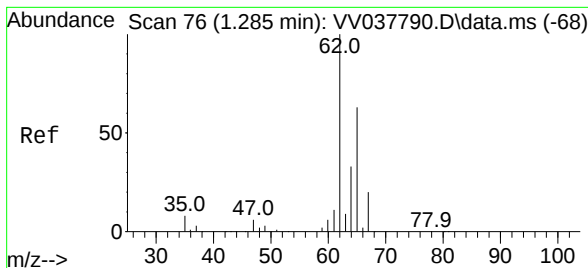
Tgt Ion: 85 Resp: 231555
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.8 38.8



#3
 Chloromethane
 Concen: 47.440 ug/L
 RT: 1.220 min Scan# 56
 Delta R.T. 0.003 min
 Lab File: VV037811.D
 Acq: 10 Oct 2024 17:13

Tgt Ion: 50 Resp: 232299
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.2 43.2





#5

Vinyl chloride

Concen: 46.438 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Instrument :

MSVOA_V

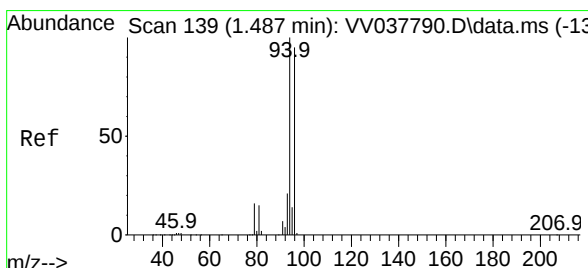
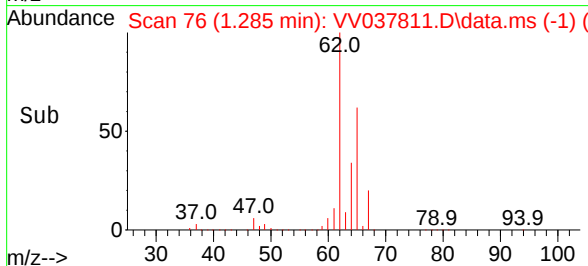
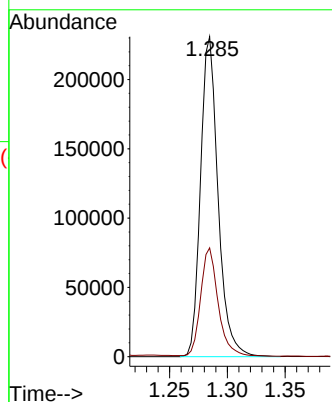
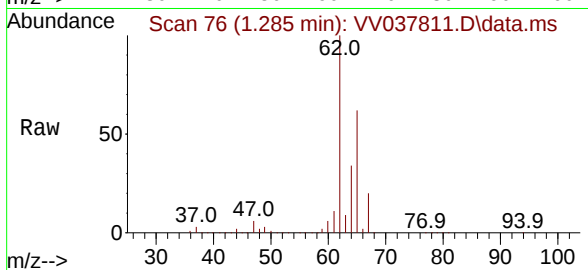
ClientSampleId :

Tgt Ion: 62 Resp: 243783

Ion Ratio Lower Upper

62 100

64 34.0 23.2 43.0



#6

Bromomethane

Concen: 48.055 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.000 min

Lab File: VV037811.D

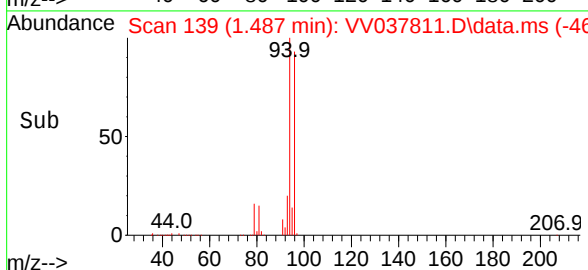
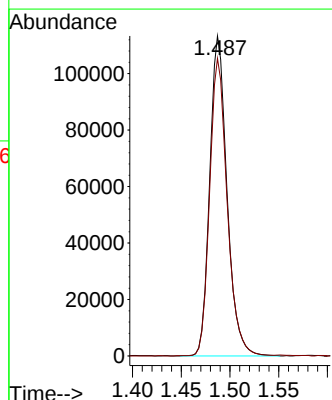
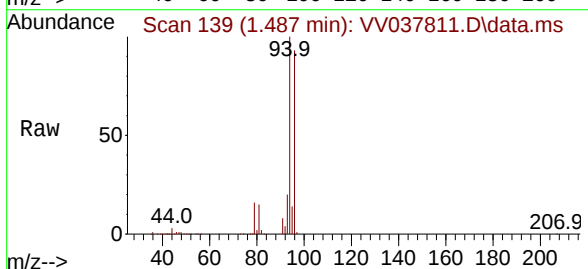
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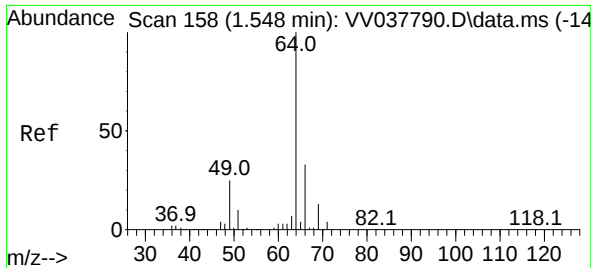
Tgt Ion: 94 Resp: 139999

Ion Ratio Lower Upper

94 100

96 93.0 65.8 122.2

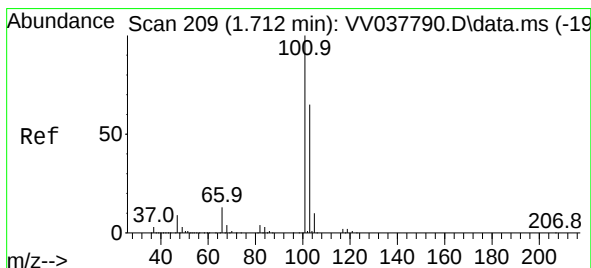
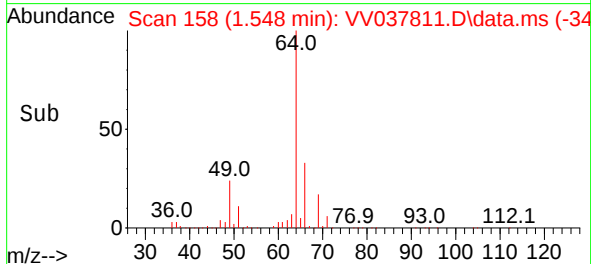
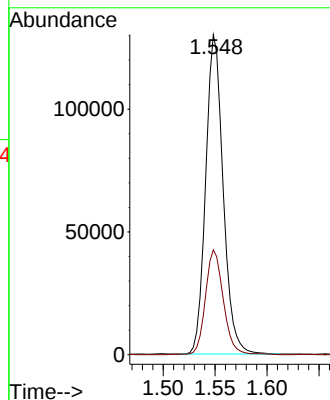
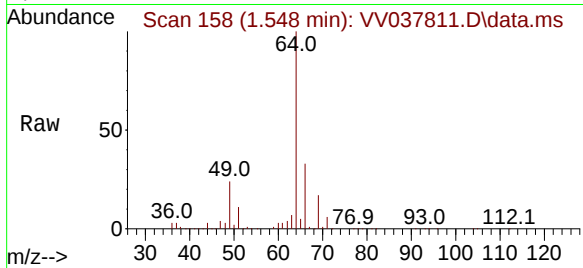




#8
Chloroethane
Concen: 46.958 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV037811.D
Acq: 10 Oct 2024 17:13

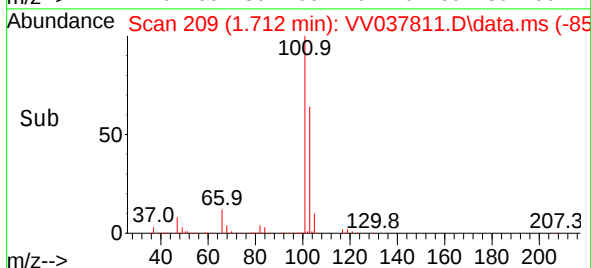
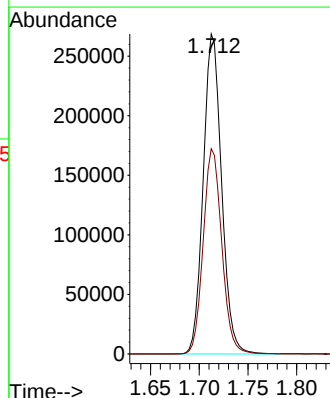
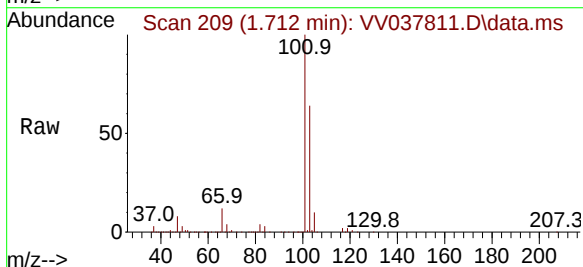
Instrument :
MSVOA_V
ClientSampleId :

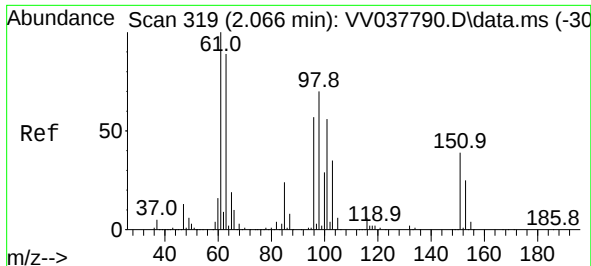
Tgt Ion: 64 Resp: 151939
Ion Ratio Lower Upper
64 100
66 32.8 22.2 41.2



#9
Trichlorofluoromethane
Concen: 49.855 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV037811.D
Acq: 10 Oct 2024 17:13

Tgt Ion:101 Resp: 352289
Ion Ratio Lower Upper
101 100
103 64.7 52.2 78.4





#10

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

Concen: 49.291 ug/L

RT: 2.069 min Scan# 319

Delta R.T. 0.003 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Instrument :

MSVOA_V

ClientSampleId :

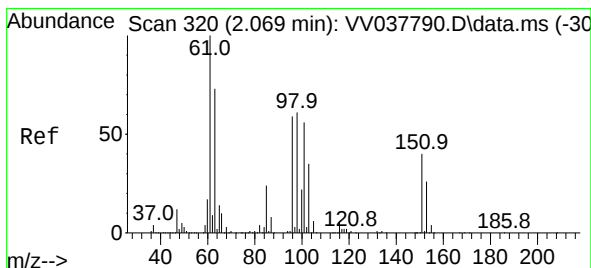
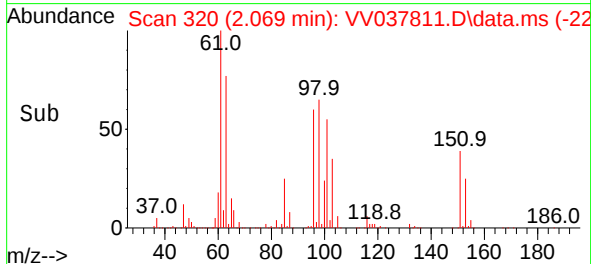
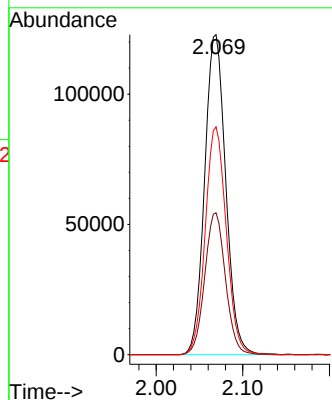
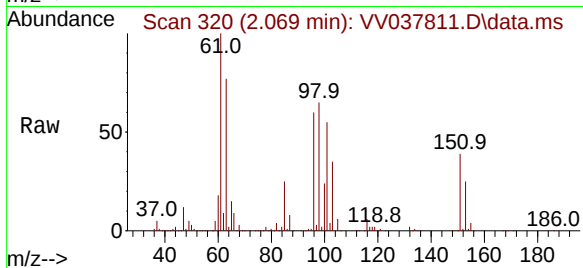
Tgt Ion:101 Resp: 208137

Ion Ratio Lower Upper

101 100

85 43.6 34.6 52.0

151 71.1 57.5 86.3



#12

1,1-Dichloroethene

Concen: 48.492 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

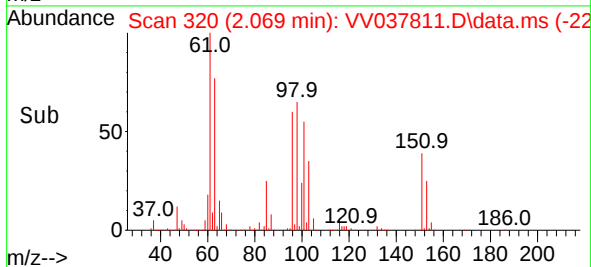
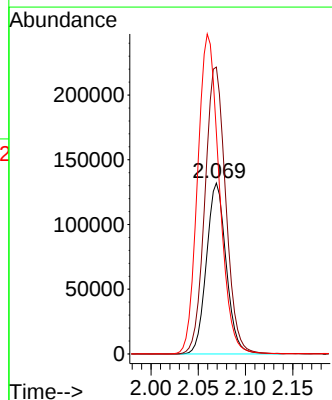
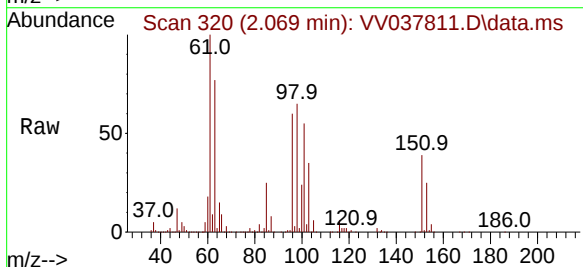
Tgt Ion: 96 Resp: 191272

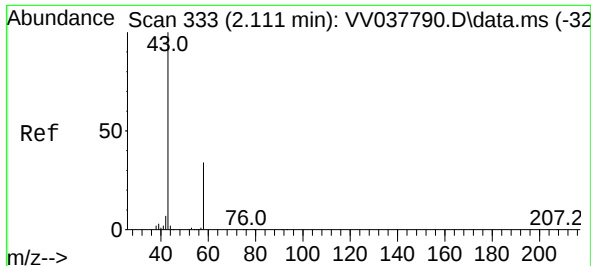
Ion Ratio Lower Upper

96 100

61 167.8 122.6 227.6

63 129.7 118.0 219.2





#13

Acetone

Concen: 70.041 ug/L

RT: 2.114 min Scan# 333

Delta R.T. 0.003 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Instrument :

MSVOA_V

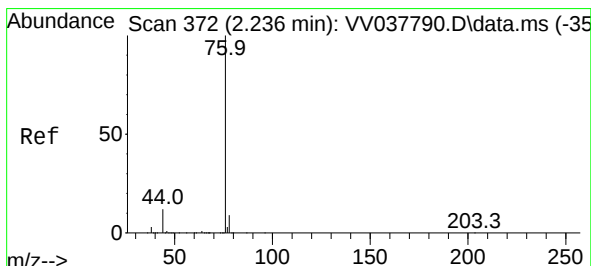
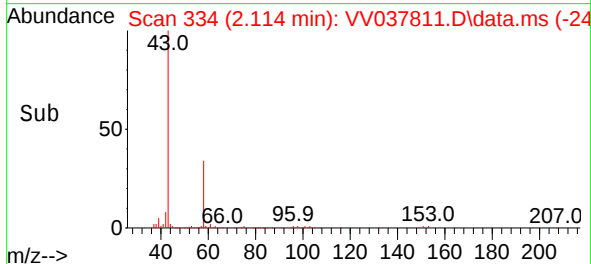
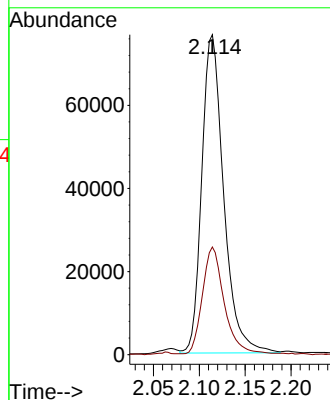
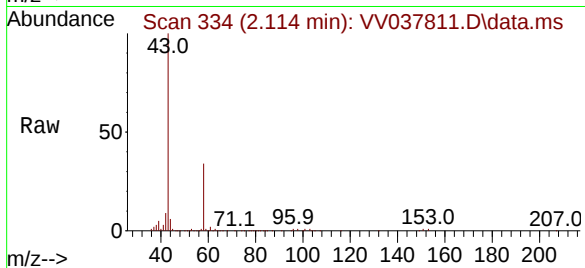
ClientSampleId :

Tgt Ion: 43 Resp: 127194

Ion Ratio Lower Upper

43 100

58 33.3 0.0 66.6



#14

Carbon disulfide

Concen: 42.924 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.003 min

Lab File: VV037811.D

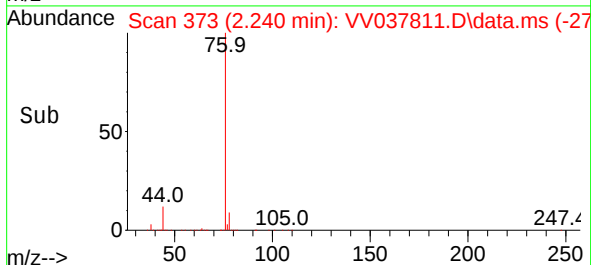
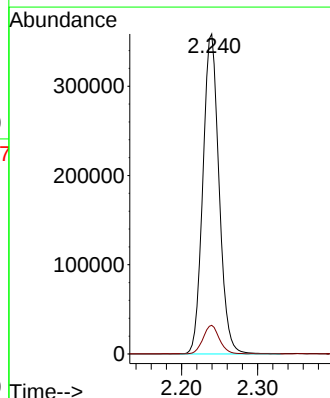
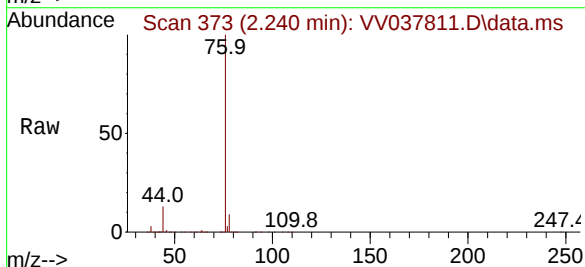
Acq: 10 Oct 2024 17:13

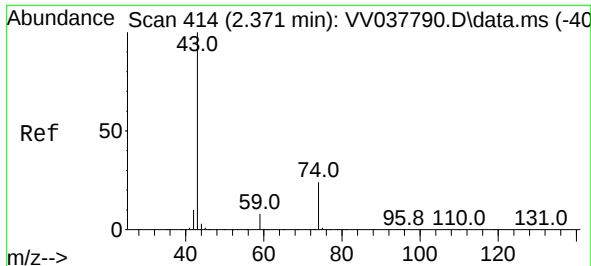
Tgt Ion: 76 Resp: 528485

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0





#15

Methyl Acetate

Concen: 50.752 ug/L

RT: 2.371 min Scan# 414

Delta R.T. 0.000 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Instrument :

MSVOA_V

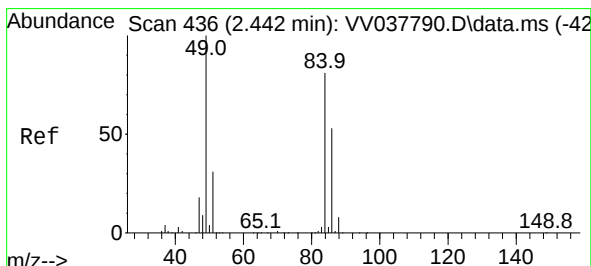
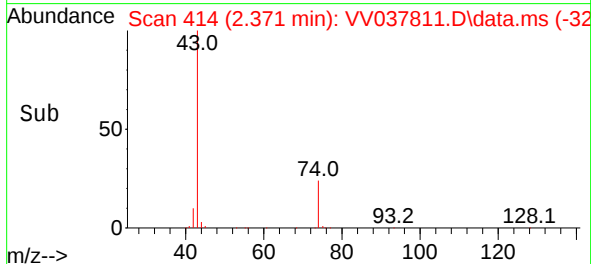
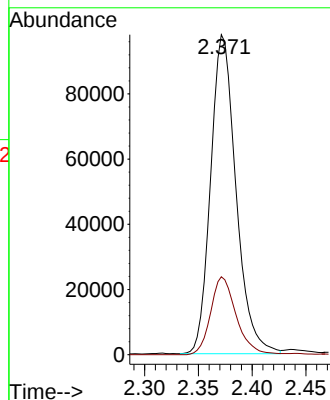
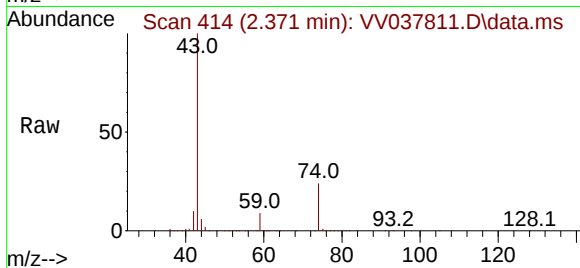
ClientSampleId :

Tgt Ion: 43 Resp: 160841

Ion Ratio Lower Upper

43 100

74 24.6 19.4 29.0



#16

Methylene chloride

Concen: 48.476 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.000 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

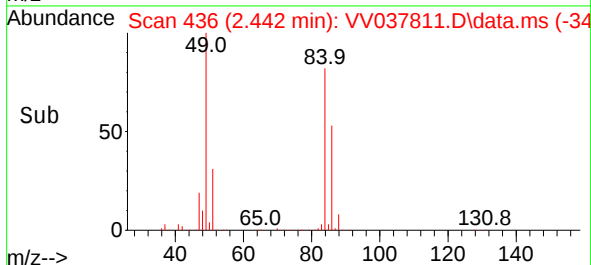
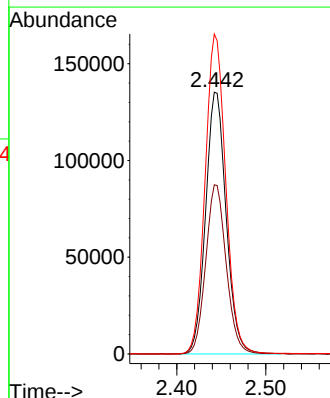
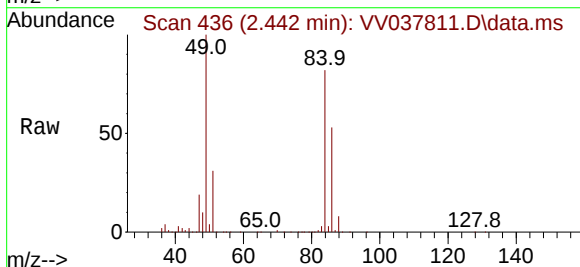
Tgt Ion: 84 Resp: 216501

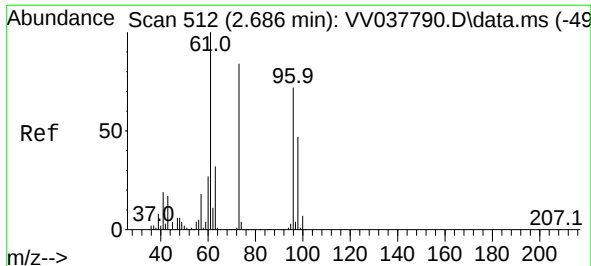
Ion Ratio Lower Upper

84 100

86 64.6 46.4 86.2

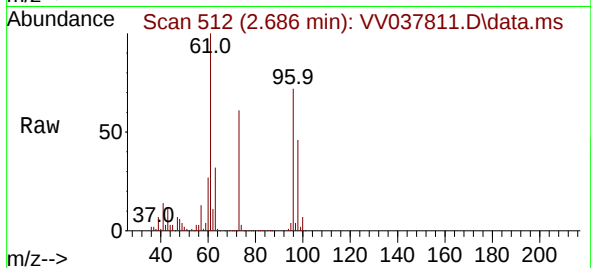
49 122.2 85.9 159.5





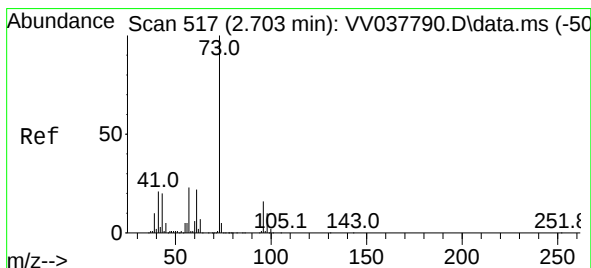
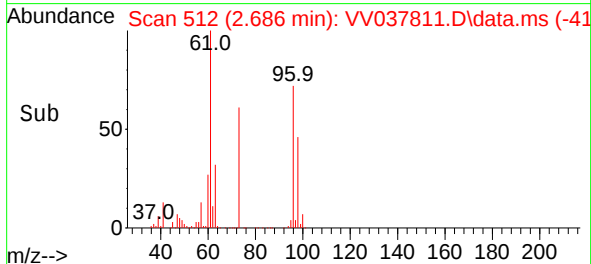
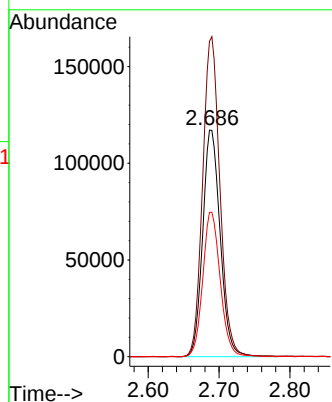
#17
trans-1,2-Dichloroethene
Concen: 48.119 ug/L
RT: 2.686 min Scan# 512
Delta R.T. 0.000 min
Lab File: VV037811.D
Acq: 10 Oct 2024 17:13

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 96 Resp: 200792

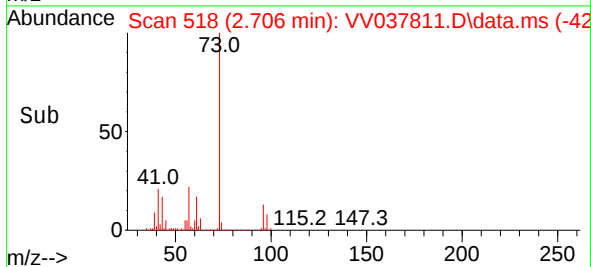
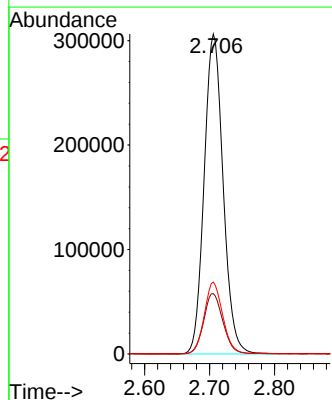
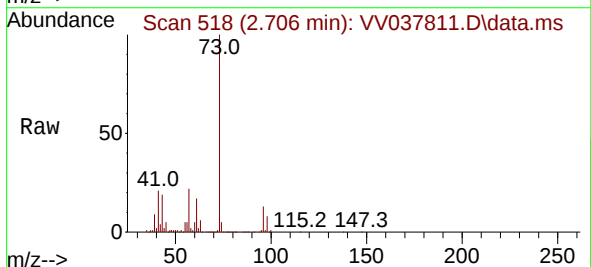
Ion	Ratio	Lower	Upper
96	100		
61	139.2	97.3	180.7
98	63.7	43.9	81.5

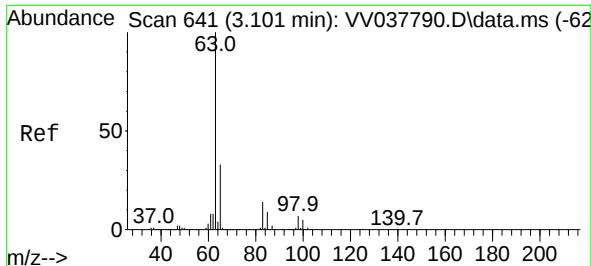


#18
Methyl tert-butyl Ether
Concen: 52.045 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV037811.D
Acq: 10 Oct 2024 17:13

Tgt Ion: 73 Resp: 623074

Ion	Ratio	Lower	Upper
73	100		
43	19.0	15.1	22.7
57	22.0	17.4	26.2





#19

1,1-Dichloroethane

Concen: 50.019 ug/L

RT: 3.104 min Scan# 641

Delta R.T. 0.003 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Instrument :

MSVOA_V

ClientSampleId :

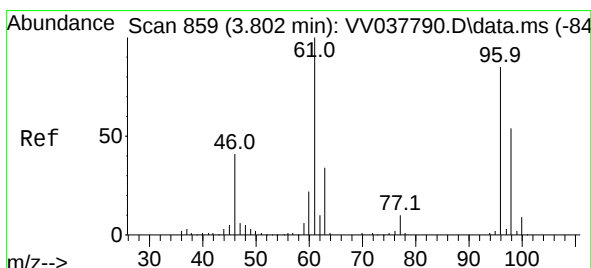
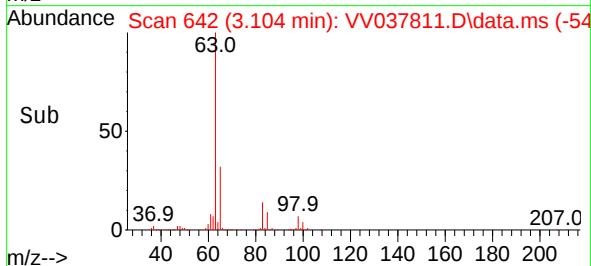
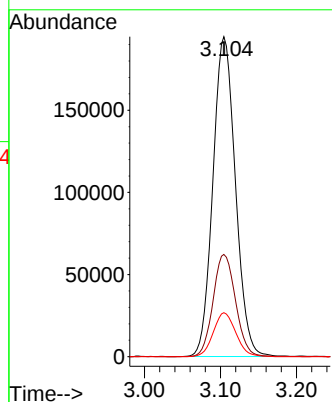
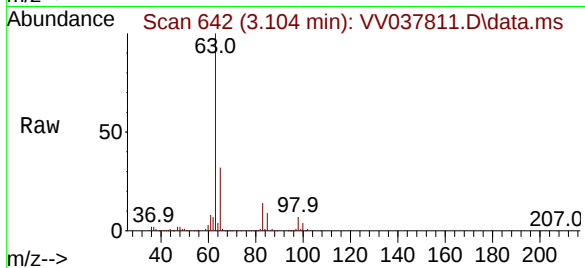
Tgt Ion: 63 Resp: 399894

Ion Ratio Lower Upper

63 100

65 32.0 22.4 41.6

83 13.7 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 50.219 ug/L

RT: 3.809 min Scan# 861

Delta R.T. 0.006 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

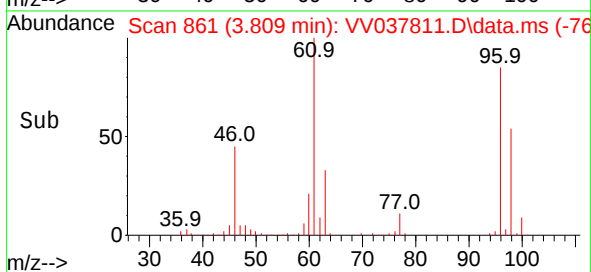
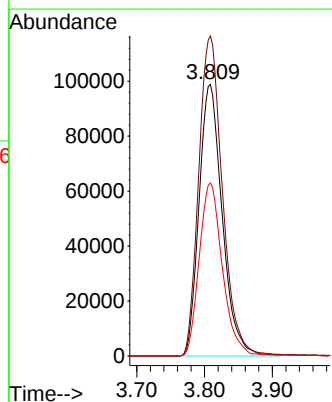
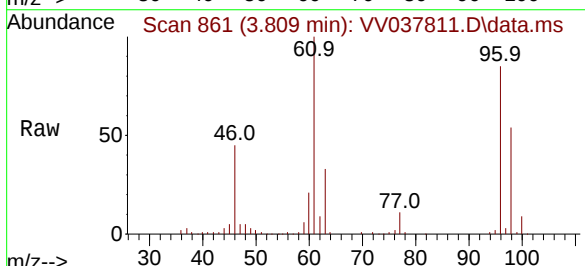
Tgt Ion: 96 Resp: 234500

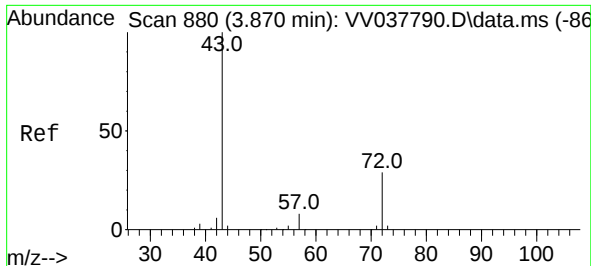
Ion Ratio Lower Upper

96 100

61 117.8 85.0 157.8

98 63.7 44.2 82.0

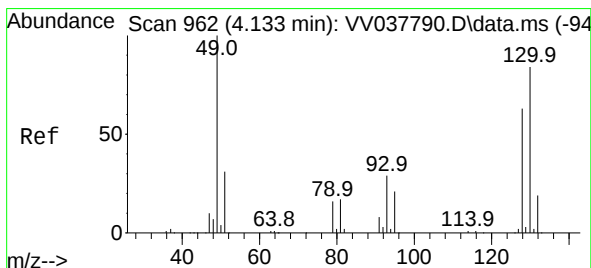
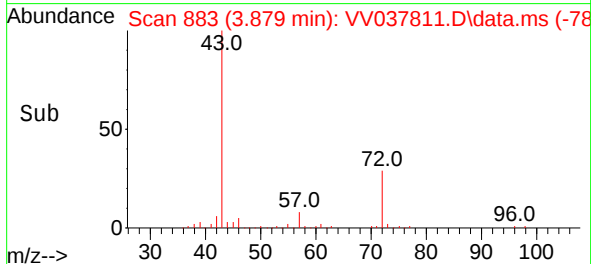
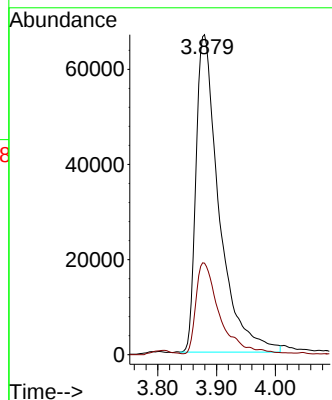
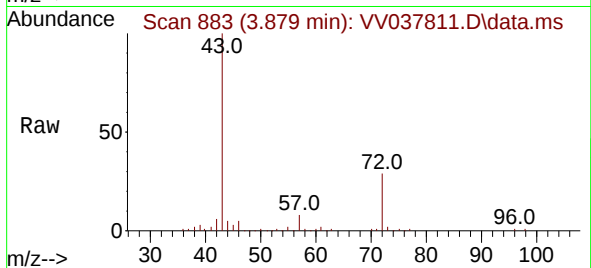




#22
2-Butanone
Concen: 90.676 ug/L
RT: 3.879 min Scan# 880
Delta R.T. 0.010 min
Lab File: VV037811.D
Acq: 10 Oct 2024 17:13

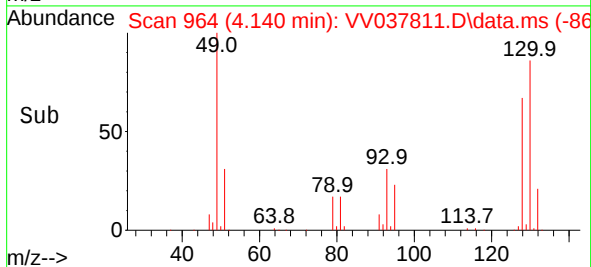
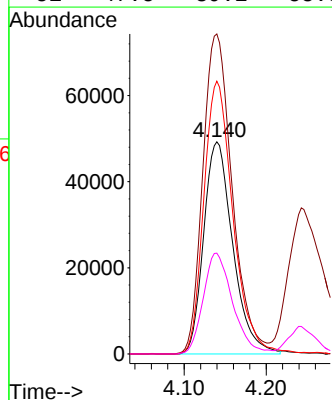
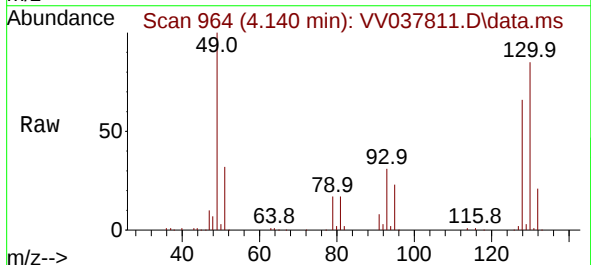
Instrument :
MSVOA_V
ClientSampleId :

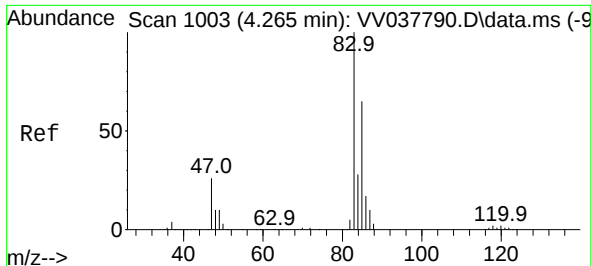
Tgt Ion: 43 Resp: 182260
Ion Ratio Lower Upper
43 100
72 27.7 14.3 42.9



#23
Bromochloromethane
Concen: 50.339 ug/L
RT: 4.140 min Scan# 964
Delta R.T. 0.006 min
Lab File: VV037811.D
Acq: 10 Oct 2024 17:13

Tgt Ion:128 Resp: 121592
Ion Ratio Lower Upper
128 100
49 150.8 108.7 201.9
130 128.6 90.4 168.0
51 47.5 39.2 58.8





#25

Chloroform

Concen: 50.948 ug/L

RT: 4.268 min Scan# 1004

Delta R.T. 0.003 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Instrument :

MSVOA_V

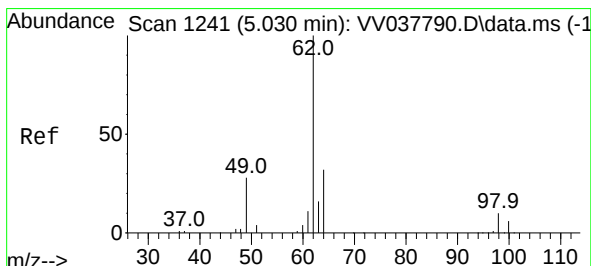
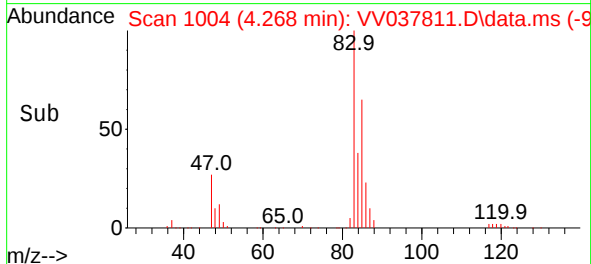
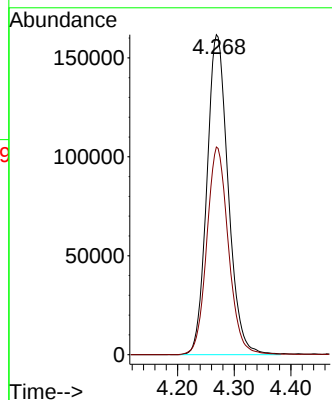
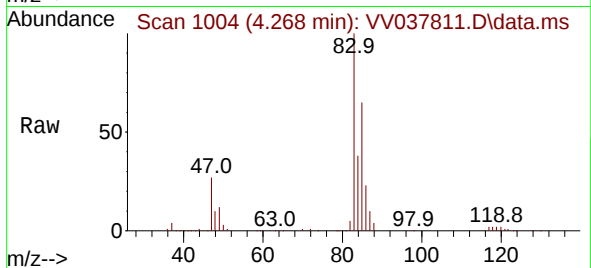
ClientSampleId :

Tgt Ion: 83 Resp: 421728

Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.7



#27

1,2-Dichloroethane

Concen: 51.919 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.006 min

Lab File: VV037811.D

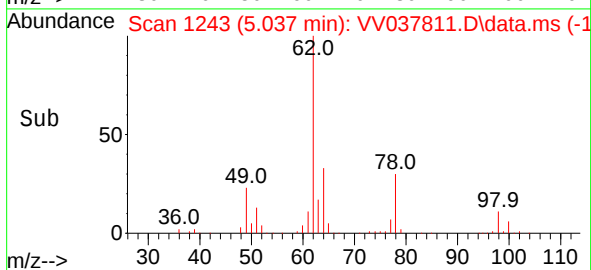
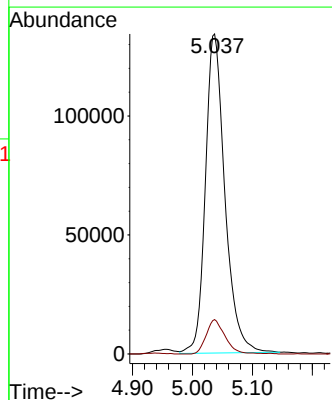
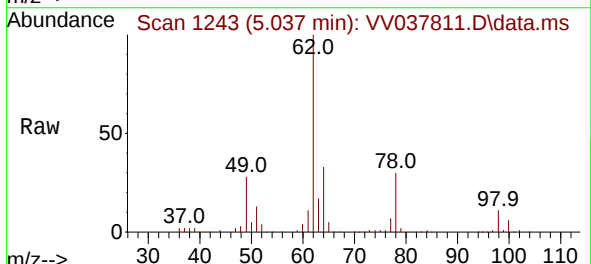
Acq: 10 Oct 2024 17:13

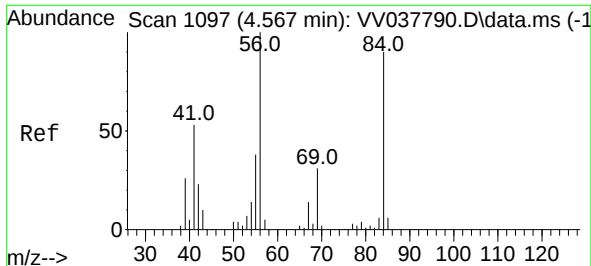
Tgt Ion: 62 Resp: 303394

Ion Ratio Lower Upper

62 100

98 10.7 8.4 12.6





#29

Cyclohexane

Concen: 46.297 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. 0.003 min

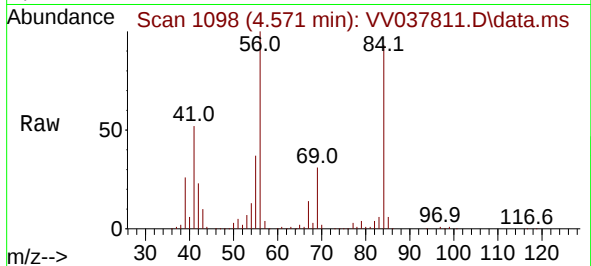
Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Instrument :

MSVOA_V

ClientSampleId :



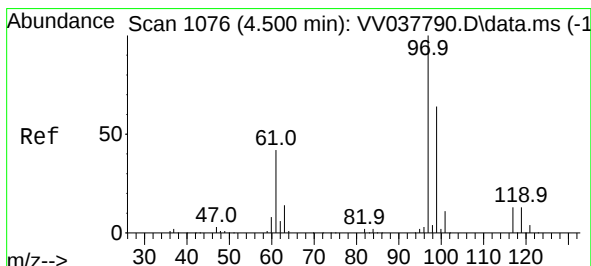
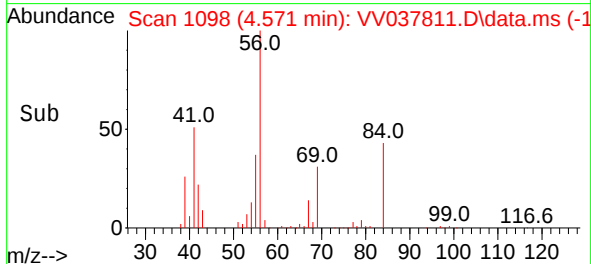
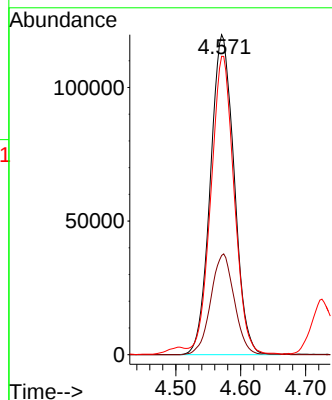
Tgt Ion: 56 Resp: 303573

Ion Ratio Lower Upper

56 100

69 31.1 24.7 37.1

84 90.5 73.4 110.0



#30

1,1,1-Trichloroethane

Concen: 50.391 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

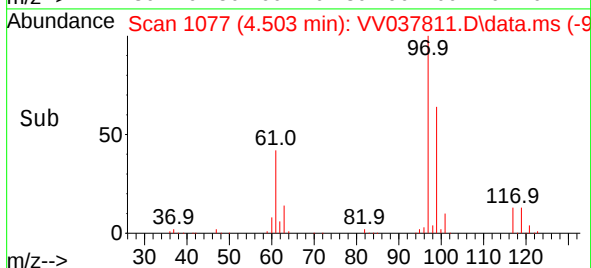
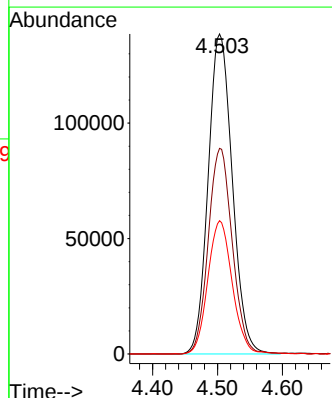
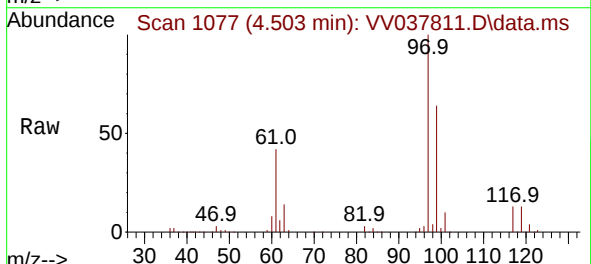
Tgt Ion: 97 Resp: 358422

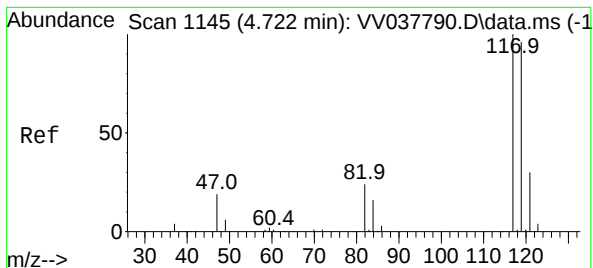
Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.6

61 42.1 33.6 50.4





#31

Carbon tetrachloride

Concen: 50.193 ug/L

RT: 4.725 min Scan# 1145

Delta R.T. 0.003 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Instrument :

MSVOA_V

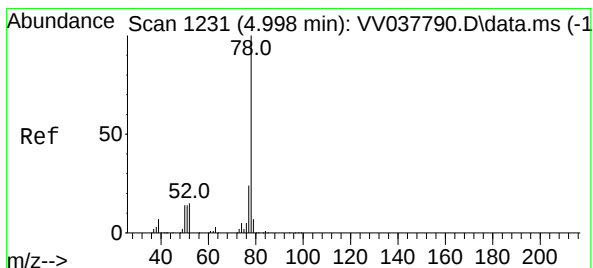
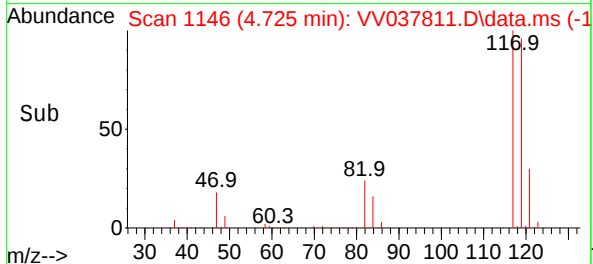
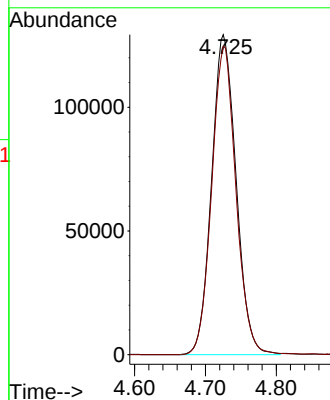
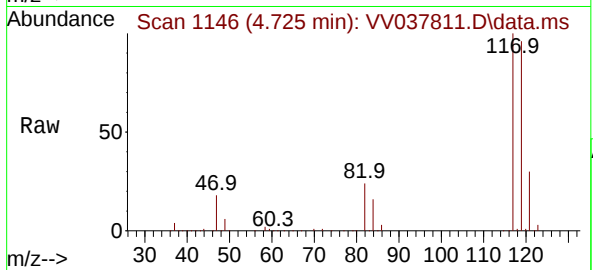
ClientSampleId :

Tgt Ion:117 Resp: 310393

Ion Ratio Lower Upper

117 100

119 95.7 76.9 115.3



#33

Benzene

Concen: 50.361 ug/L

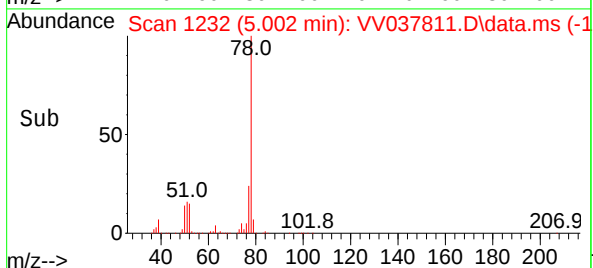
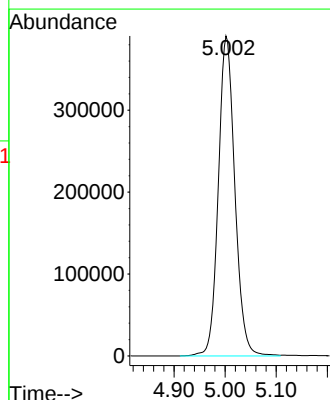
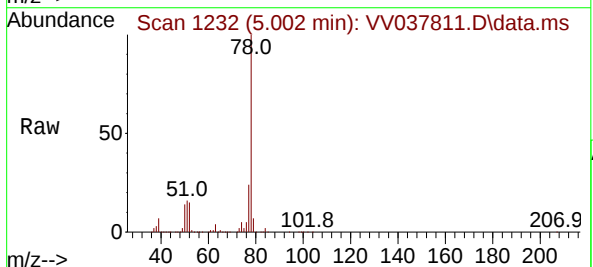
RT: 5.002 min Scan# 1232

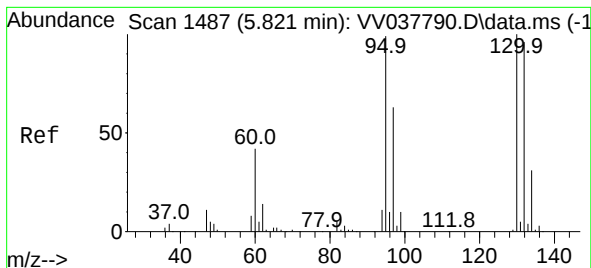
Delta R.T. 0.003 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Tgt Ion: 78 Resp: 877157





#34

Trichloroethene

Concen: 49.660 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. 0.003 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 230346

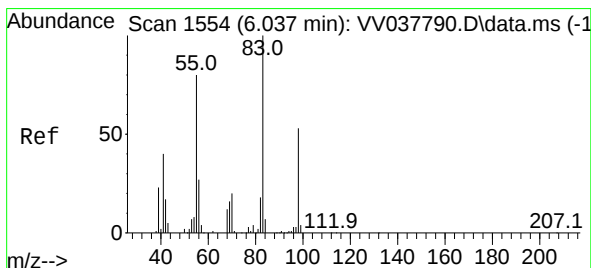
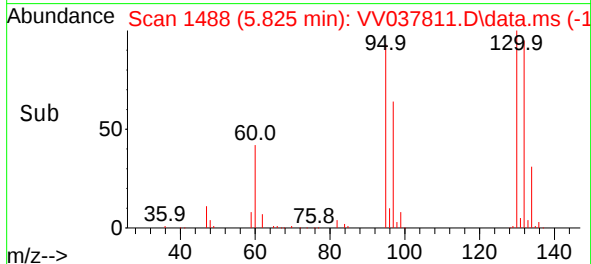
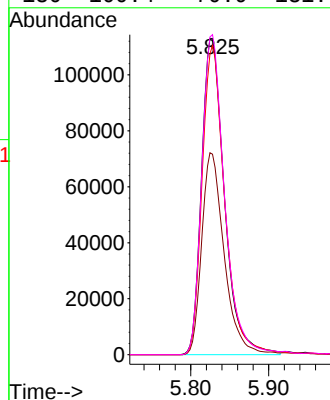
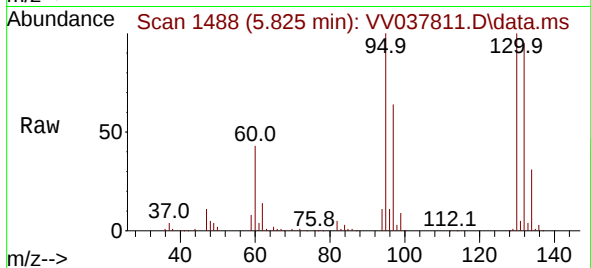
Ion Ratio Lower Upper

95 100

97 63.8 46.3 85.9

132 95.1 68.6 127.4

130 100.4 70.9 131.7



#35

Methylcyclohexane

Concen: 45.913 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.006 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

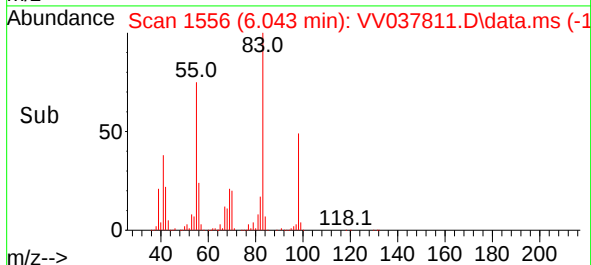
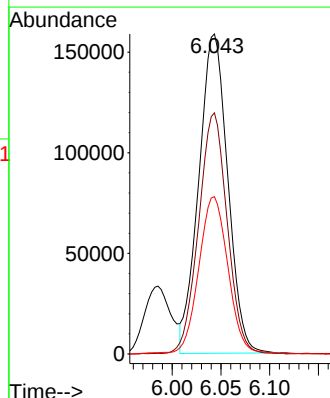
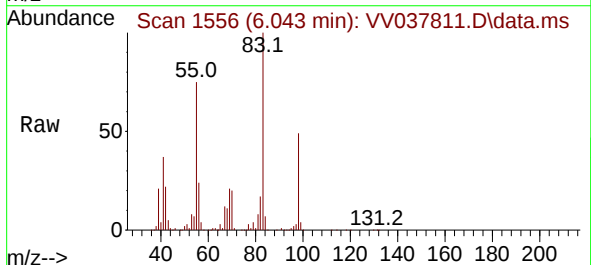
Tgt Ion: 83 Resp: 327615

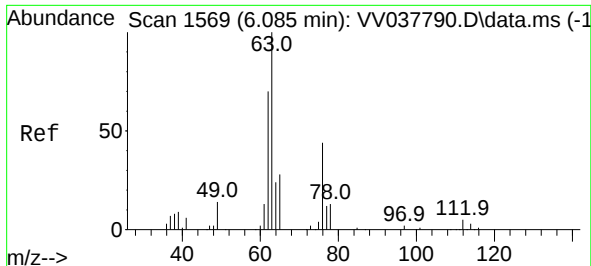
Ion Ratio Lower Upper

83 100

55 74.9 57.9 86.9

98 50.1 39.3 58.9

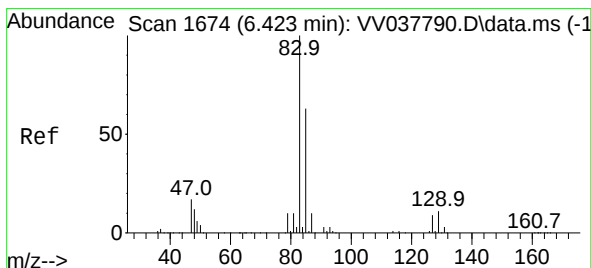
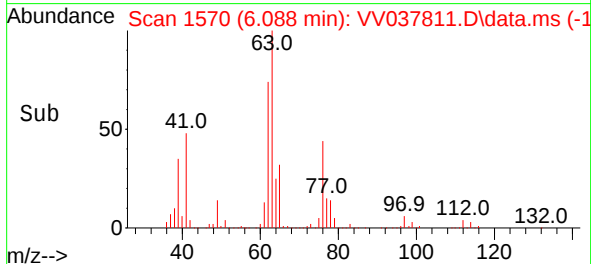
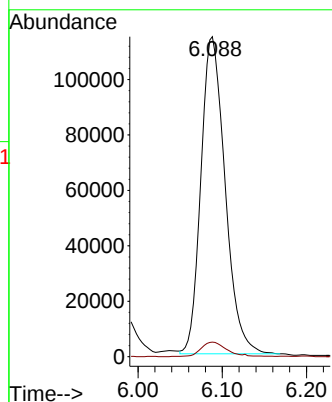
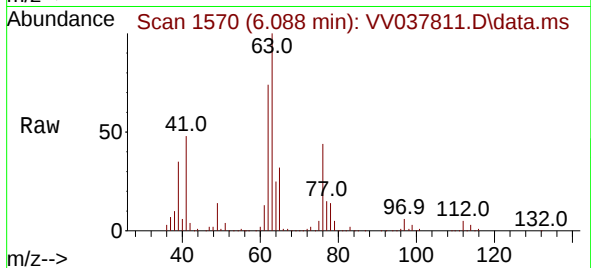




#37
1,2-Dichloropropane
Concen: 50.911 ug/L
RT: 6.088 min Scan# 1569
Delta R.T. 0.003 min
Lab File: VV037811.D
Acq: 10 Oct 2024 17:13

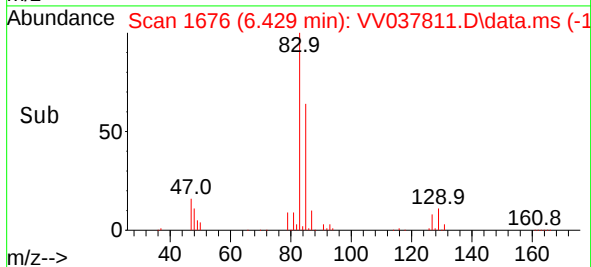
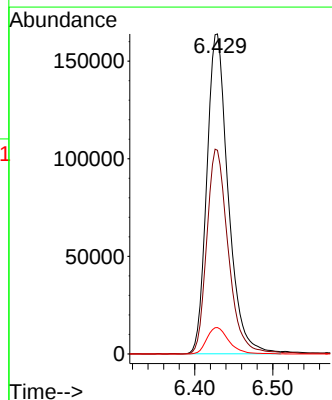
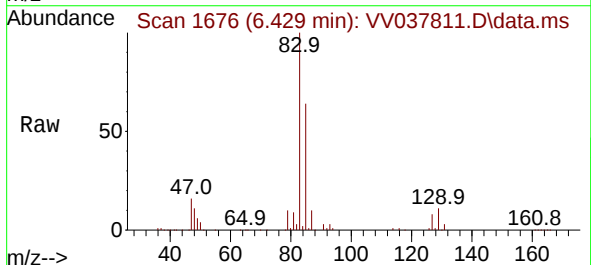
Instrument :
MSVOA_V
ClientSampleId :

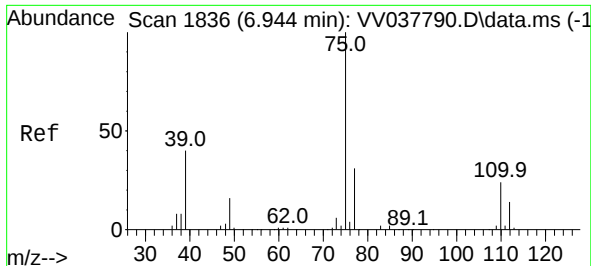
Tgt Ion: 63 Resp: 228980
Ion Ratio Lower Upper
63 100
112 4.6 3.5 5.3



#38
Bromodichloromethane
Concen: 52.004 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VV037811.D
Acq: 10 Oct 2024 17:13

Tgt Ion: 83 Resp: 312670
Ion Ratio Lower Upper
83 100
85 63.7 45.7 84.9
127 8.3 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 50.273 ug/L

RT: 6.950 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Instrument :

MSVOA_V

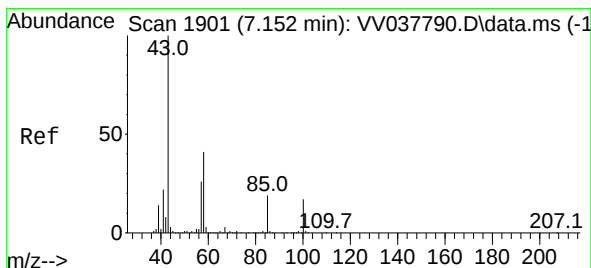
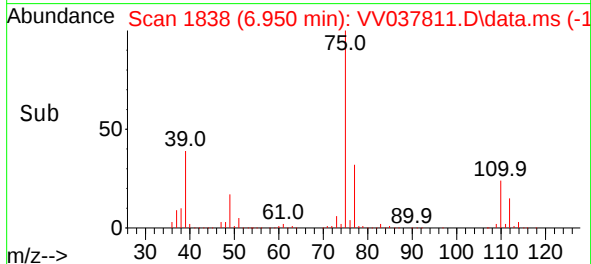
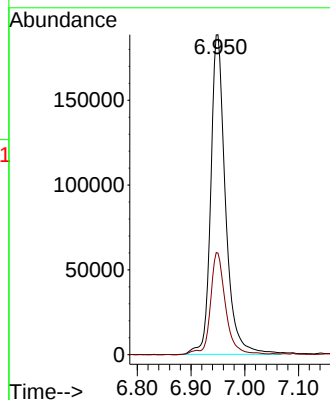
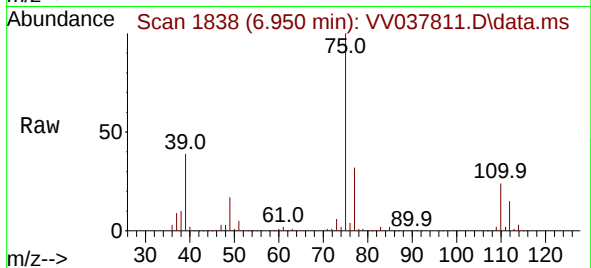
ClientSampleId :

Tgt Ion: 75 Resp: 360935

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 110.822 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

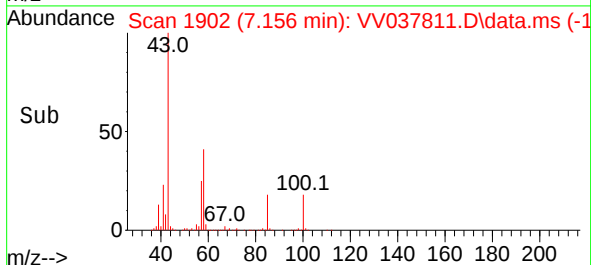
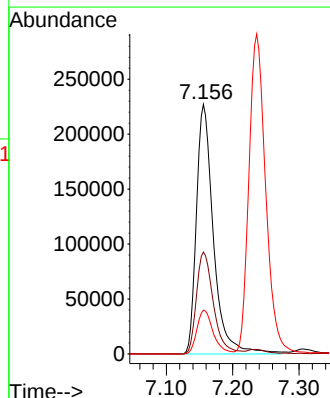
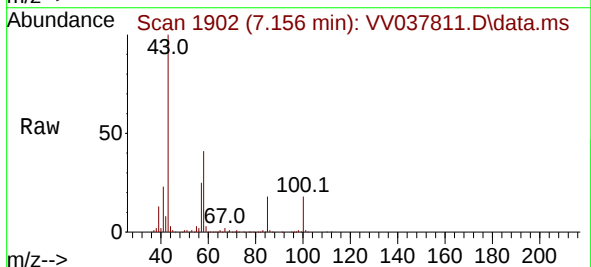
Tgt Ion: 43 Resp: 405832

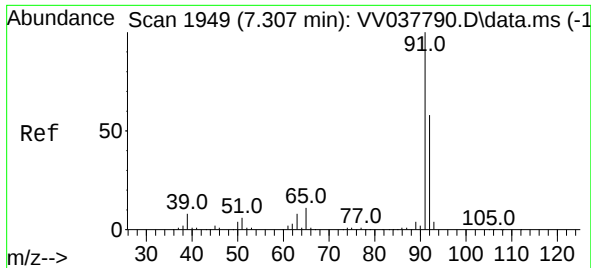
Ion Ratio Lower Upper

43 100

58 40.6 33.0 49.4

100 16.8 13.7 20.5





#42

Toluene

Concen: 52.056 ug/L

RT: 7.310 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Instrument :

MSVOA_V

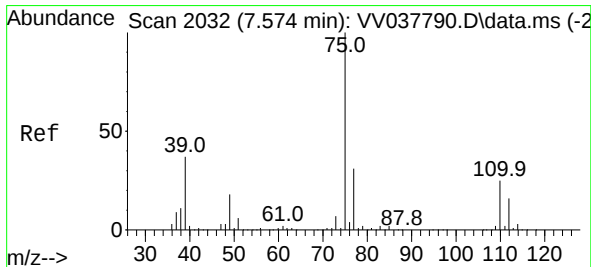
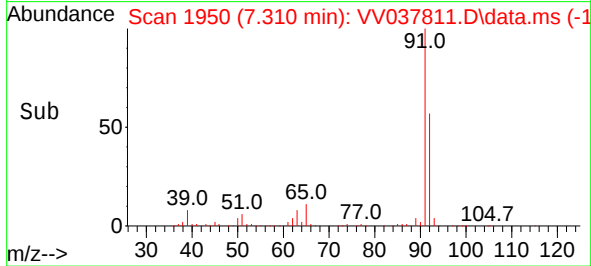
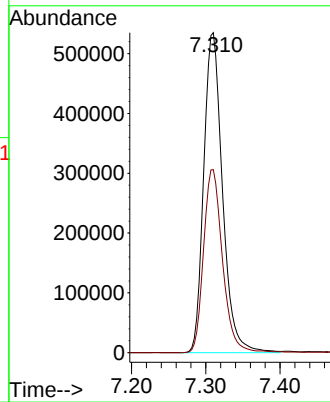
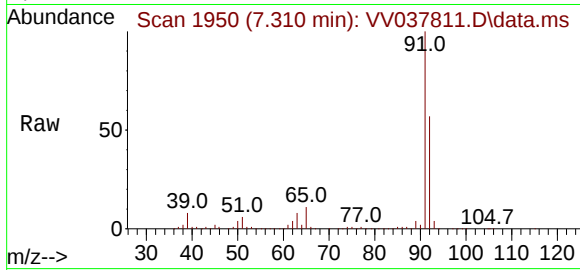
ClientSampleId :

Tgt Ion: 91 Resp: 939939

Ion Ratio Lower Upper

91 100

92 57.2 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 50.225 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.003 min

Lab File: VV037811.D

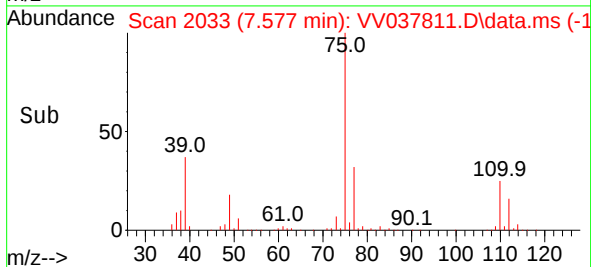
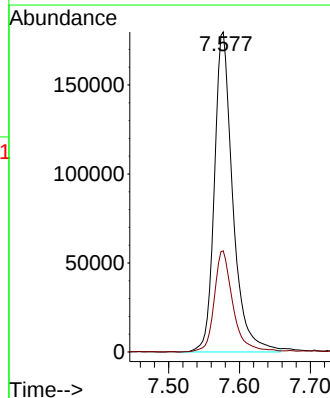
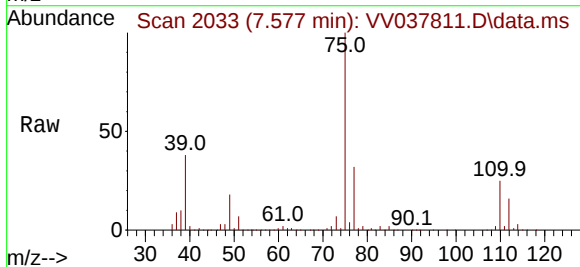
Acq: 10 Oct 2024 17:13

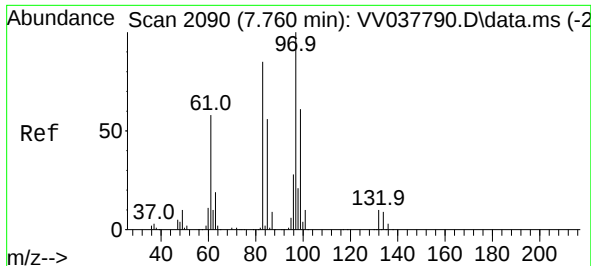
Tgt Ion: 75 Resp: 324638

Ion Ratio Lower Upper

75 100

77 31.6 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 52.384 ug/L

RT: 7.763 min Scan# 2090

Delta R.T. 0.003 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 226229

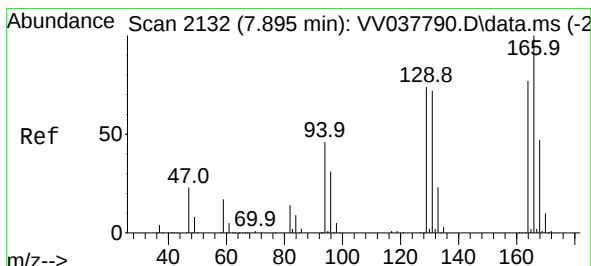
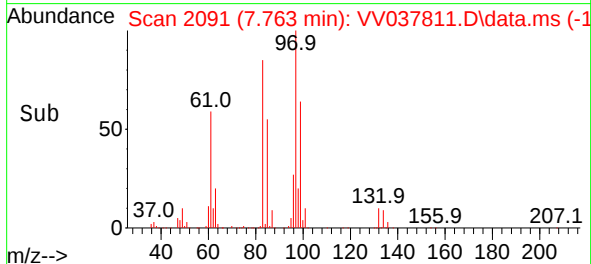
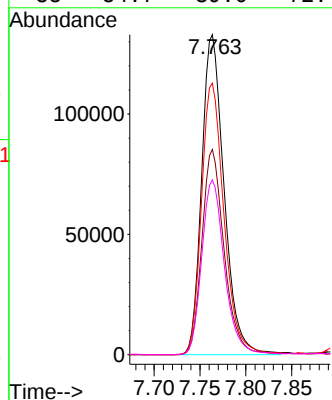
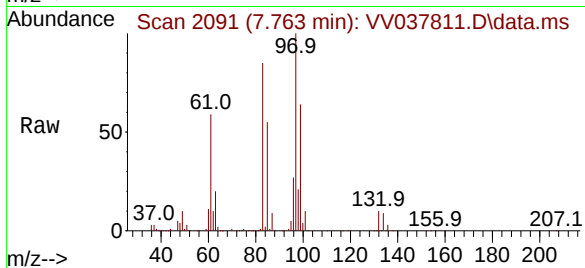
Ion Ratio Lower Upper

97 100

99 64.2 44.1 81.9

83 84.9 59.3 110.1

85 54.7 39.0 72.4



#46

Tetrachloroethene

Concen: 48.314 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.003 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Tgt Ion: 164 Resp: 171341

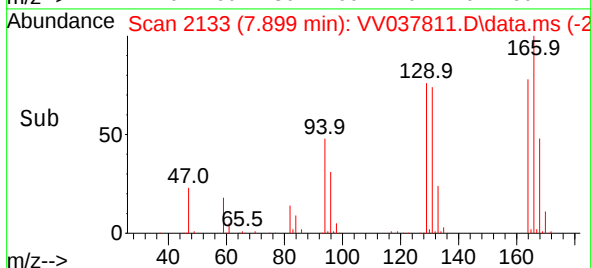
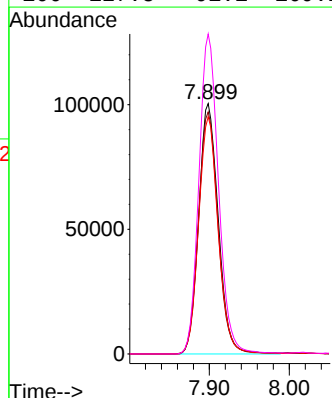
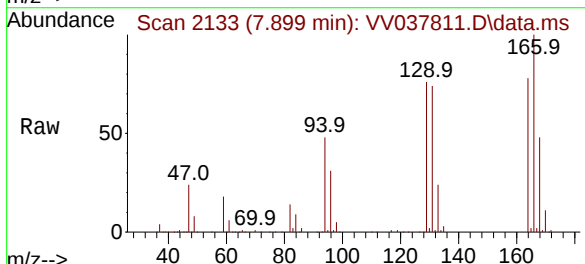
Ion Ratio Lower Upper

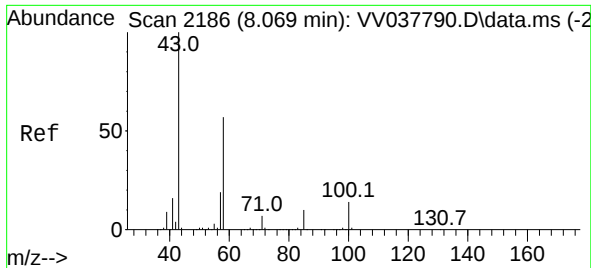
164 100

129 96.7 68.2 126.6

131 94.8 66.1 122.8

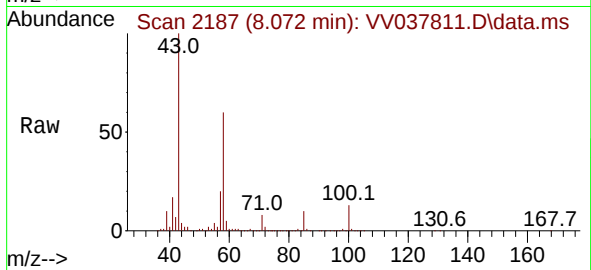
166 127.8 91.1 169.1



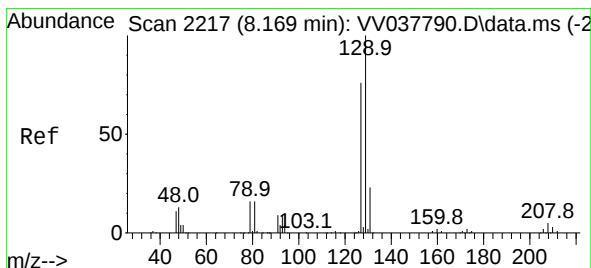
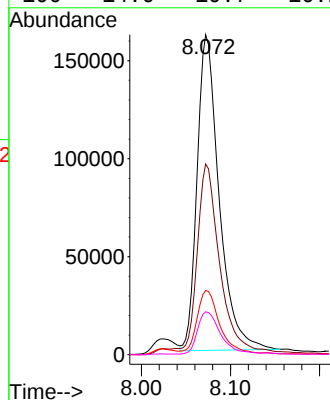
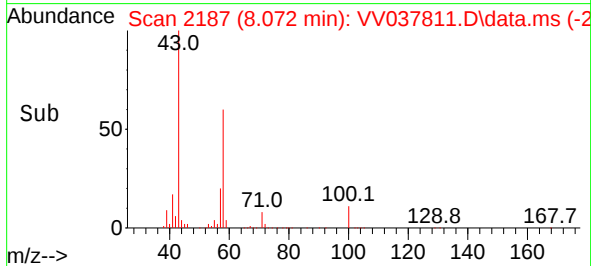


#48
2-Hexanone
Concen: 97.587 ug/L
RT: 8.072 min Scan# 2186
Delta R.T. 0.003 min
Lab File: VV037811.D
Acq: 10 Oct 2024 17:13

Instrument :
MSVOA_V
ClientSampleId :

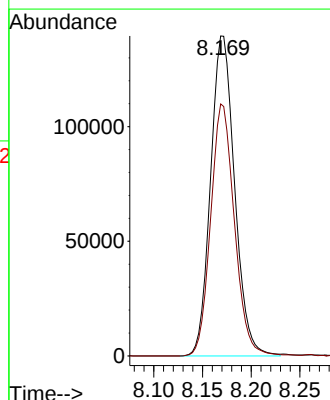
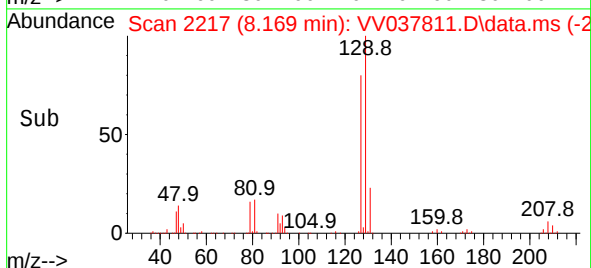
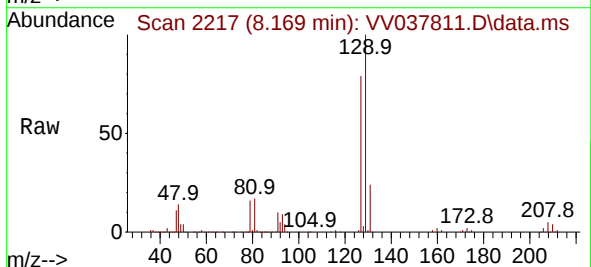


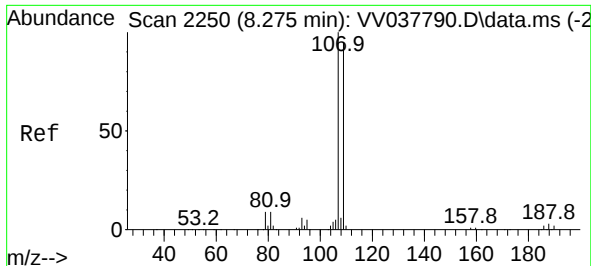
Tgt Ion: 43 Resp: 277881
Ion Ratio Lower Upper
43 100
58 61.0 46.5 69.7
57 20.8 15.1 22.7
100 14.0 10.7 16.1



#49
Dibromochloromethane
Concen: 52.480 ug/L
RT: 8.169 min Scan# 2217
Delta R.T. 0.000 min
Lab File: VV037811.D
Acq: 10 Oct 2024 17:13

Tgt Ion: 129 Resp: 239875
Ion Ratio Lower Upper
129 100
127 78.7 54.9 101.9

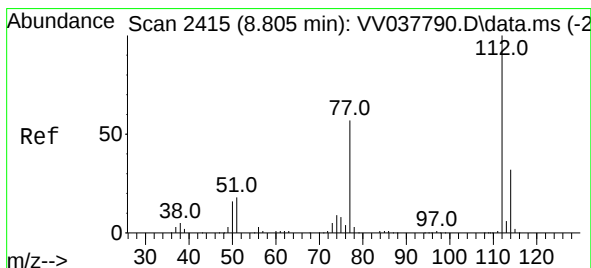
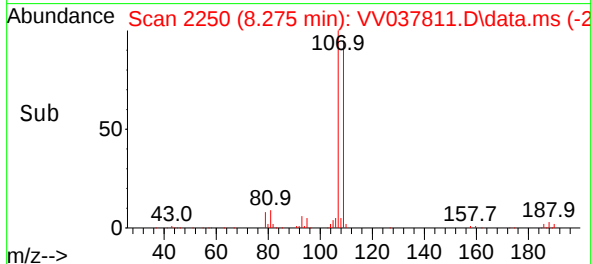
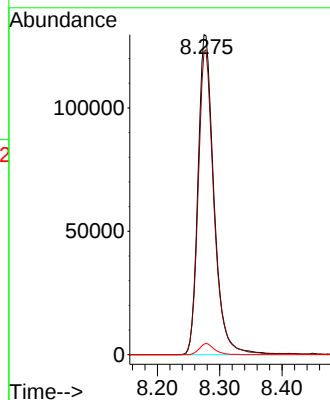
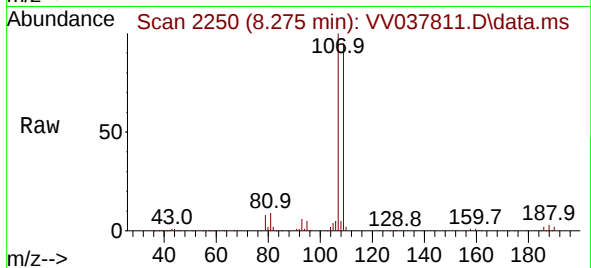




#50
1,2-Dibromoethane
Concen: 51.738 ug/L
RT: 8.275 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV037811.D
Acq: 10 Oct 2024 17:13

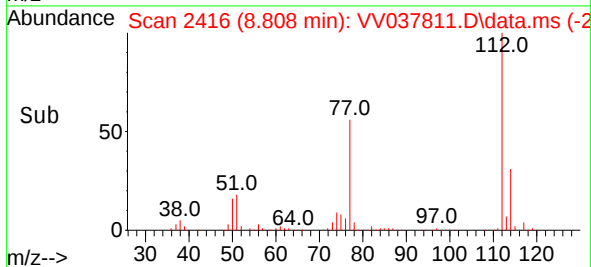
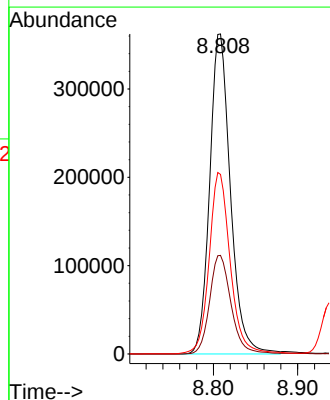
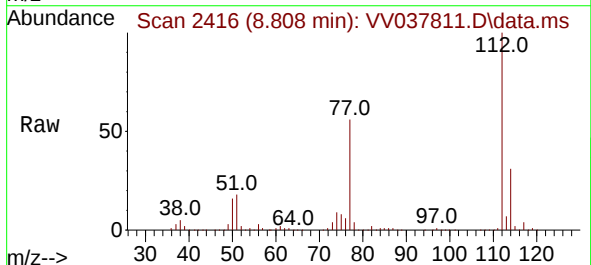
Instrument :
MSVOA_V
ClientSampleId :

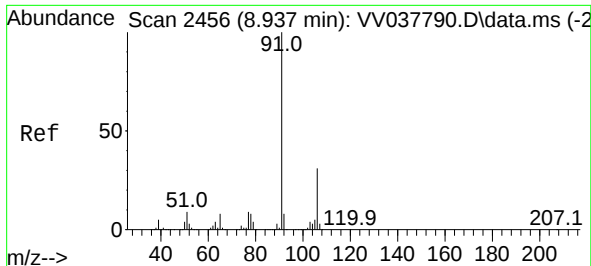
Tgt Ion:107 Resp: 230968
Ion Ratio Lower Upper
107 100
109 94.7 65.7 121.9
188 3.3 2.8 4.2



#51
Chlorobenzene
Concen: 50.403 ug/L
RT: 8.808 min Scan# 2416
Delta R.T. 0.003 min
Lab File: VV037811.D
Acq: 10 Oct 2024 17:13

Tgt Ion:112 Resp: 620044
Ion Ratio Lower Upper
112 100
114 30.8 22.5 41.7
77 56.1 45.8 68.8





#52

Ethylbenzene

Concen: 50.605 ug/L

RT: 8.940 min Scan# 2456

Delta R.T. 0.003 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Instrument :

MSVOA_V

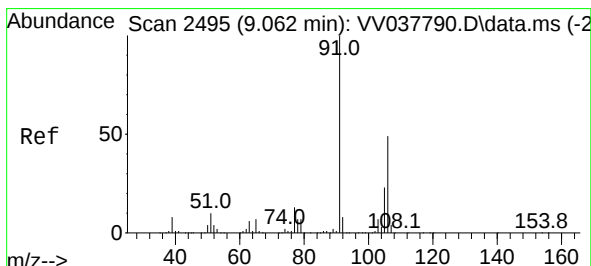
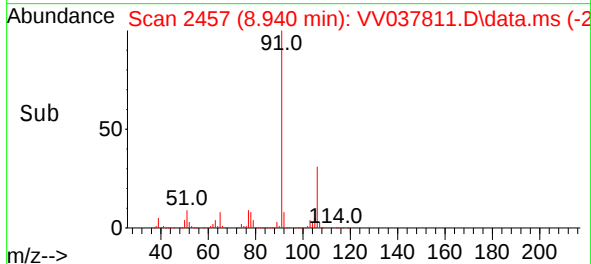
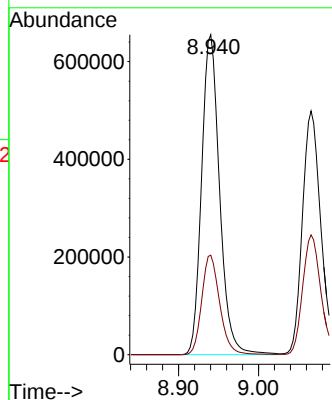
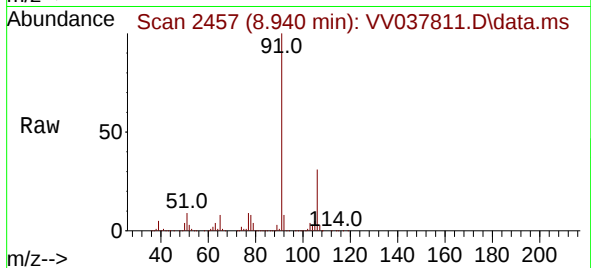
ClientSampleId :

Tgt Ion: 91 Resp: 1028546

Ion Ratio Lower Upper

91 100

106 31.1 21.9 40.7



#53

m,p-Xylene

Concen: 51.709 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. 0.003 min

Lab File: VV037811.D

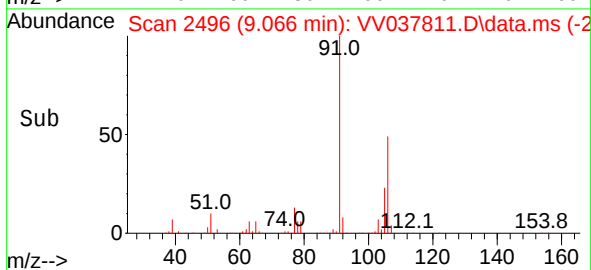
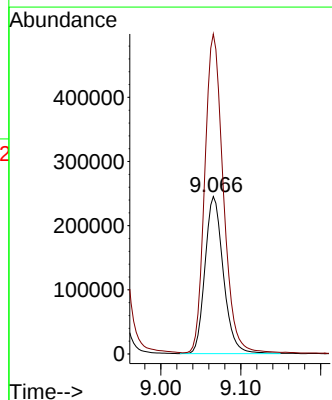
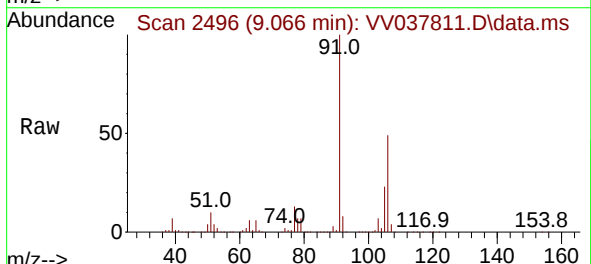
Acq: 10 Oct 2024 17:13

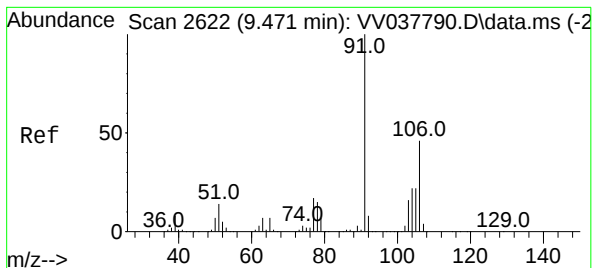
Tgt Ion:106 Resp: 391148

Ion Ratio Lower Upper

106 100

91 203.2 142.0 263.6





#54

o-Xylene

Concen: 51.599 ug/L

RT: 9.471 min Scan# 2622

Delta R.T. 0.000 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Instrument :

MSVOA_V

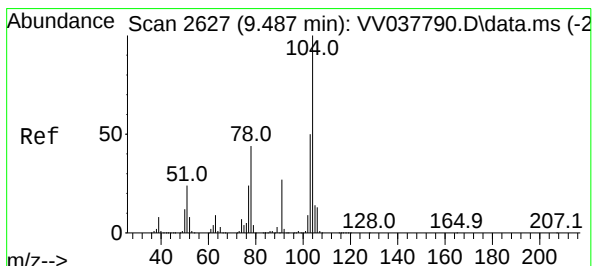
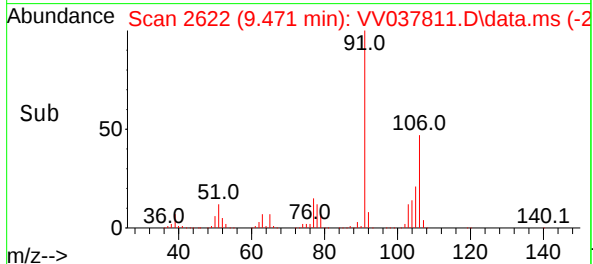
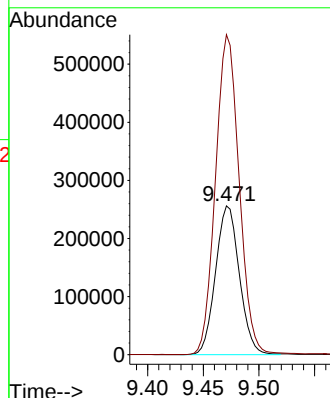
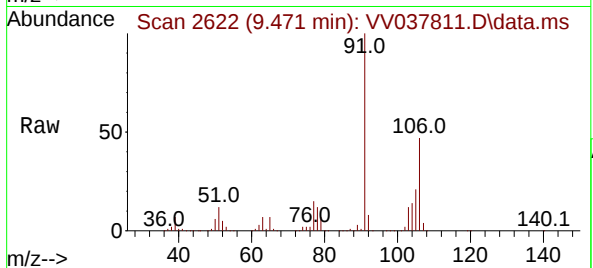
ClientSampleId :

Tgt Ion:106 Resp: 381057

Ion Ratio Lower Upper

106 100

91 215.0 153.9 285.9



#55

Styrene

Concen: 53.876 ug/L

RT: 9.490 min Scan# 2628

Delta R.T. 0.003 min

Lab File: VV037811.D

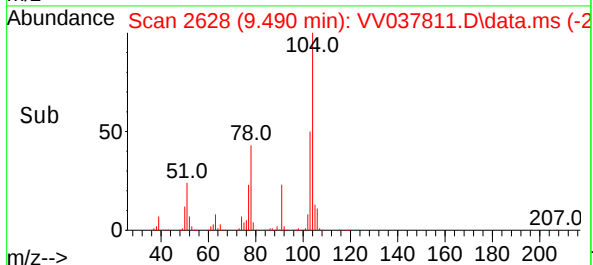
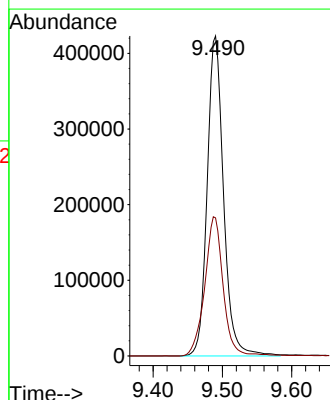
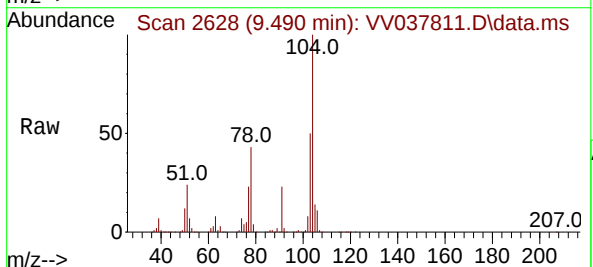
Acq: 10 Oct 2024 17:13

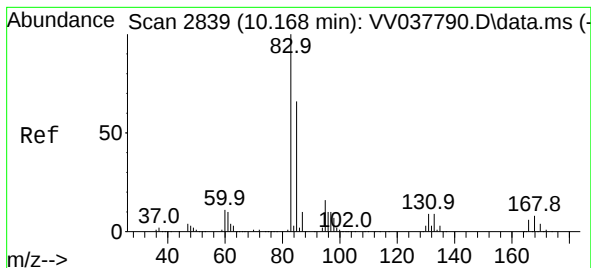
Tgt Ion:104 Resp: 692648

Ion Ratio Lower Upper

104 100

78 43.1 30.0 55.6

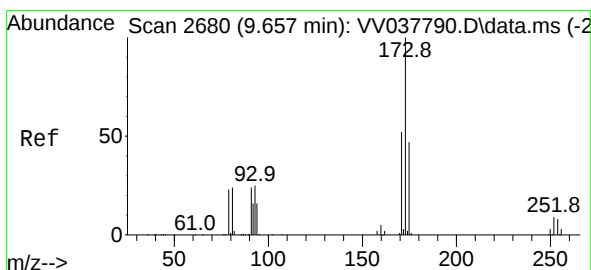
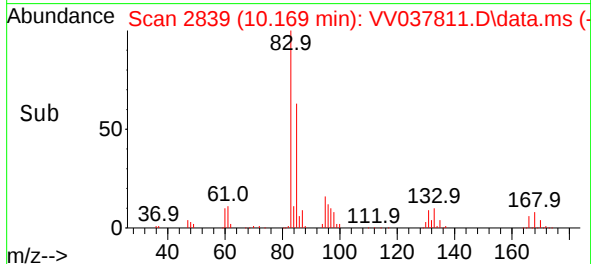
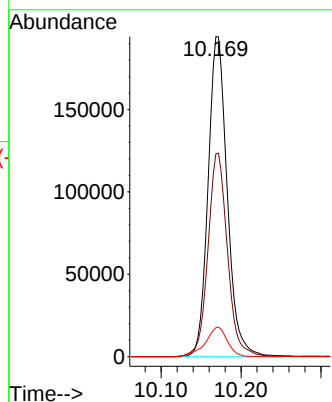
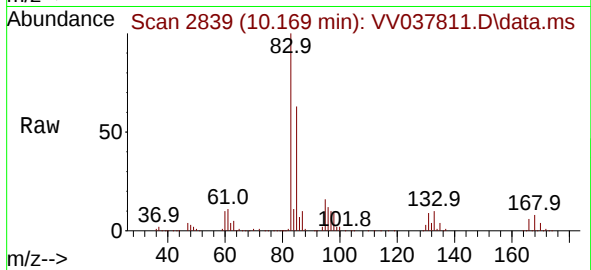




#57
1,1,2,2-Tetrachloroethane
Concen: 53.694 ug/L
RT: 10.169 min Scan# 2839
Delta R.T. 0.000 min
Lab File: VV037811.D
Acq: 10 Oct 2024 17:13

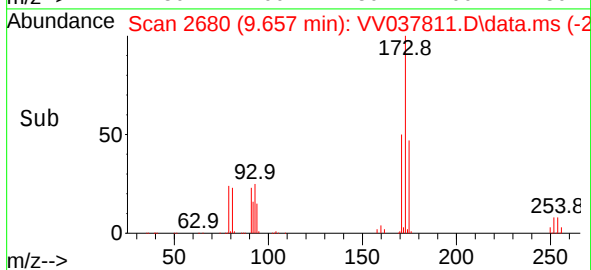
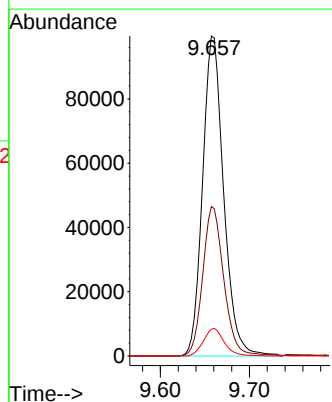
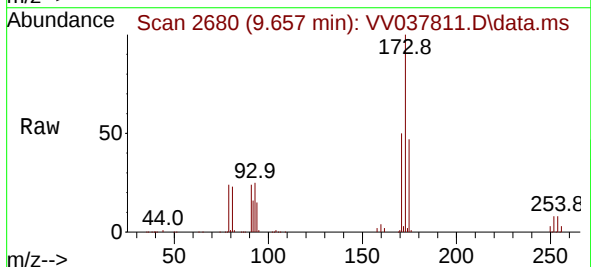
Instrument :
MSVOA_V
ClientSampleId :

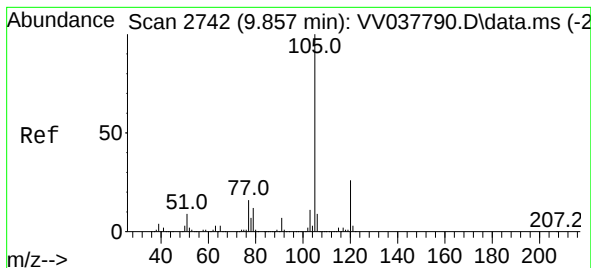
Tgt Ion: 83 Resp: 323295
Ion Ratio Lower Upper
83 100
85 63.4 45.9 85.3
131 9.1 7.9 11.9



#59
Bromoform
Concen: 52.490 ug/L
RT: 9.657 min Scan# 2680
Delta R.T. 0.000 min
Lab File: VV037811.D
Acq: 10 Oct 2024 17:13

Tgt Ion: 173 Resp: 163687
Ion Ratio Lower Upper
173 100
175 46.4 40.0 60.0
254 8.5 6.5 9.7





#60

Isopropylbenzene

Concen: 49.802 ug/L

RT: 9.860 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Instrument :

MSVOA_V

ClientSampleId :

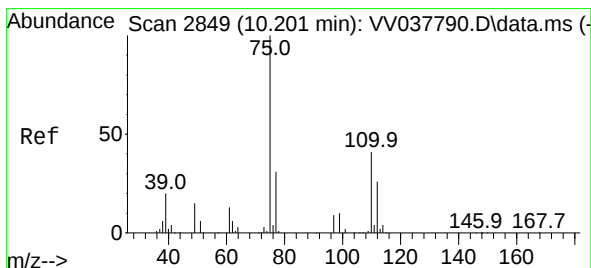
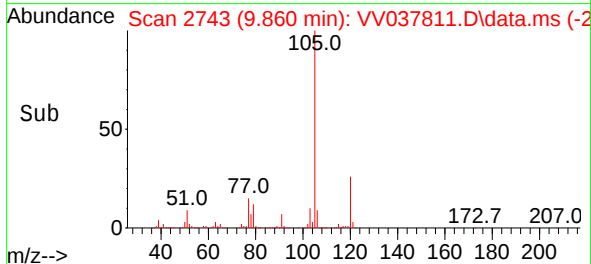
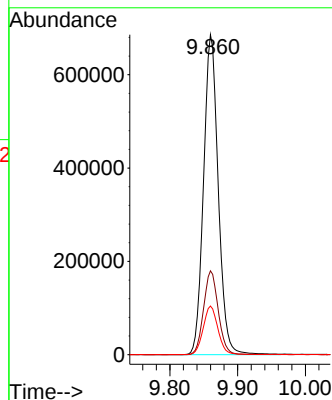
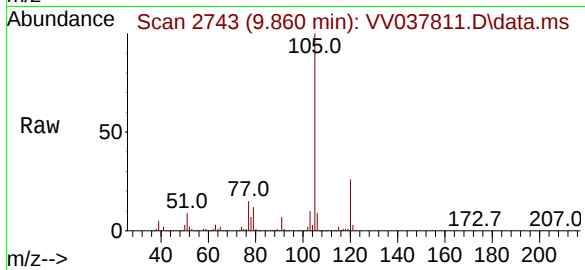
Tgt Ion:105 Resp: 1033064

Ion Ratio Lower Upper

105 100

120 26.2 20.7 31.1

77 15.2 12.2 18.2



#61

1,2,3-Trichloropropane

Concen: 50.176 ug/L

RT: 10.201 min Scan# 2849

Delta R.T. 0.000 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

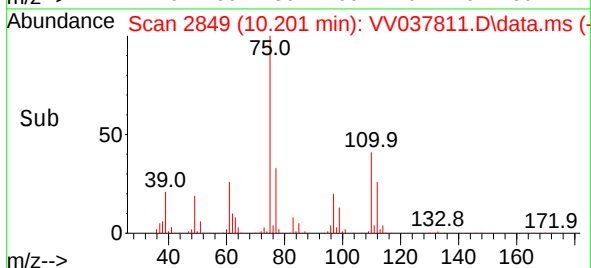
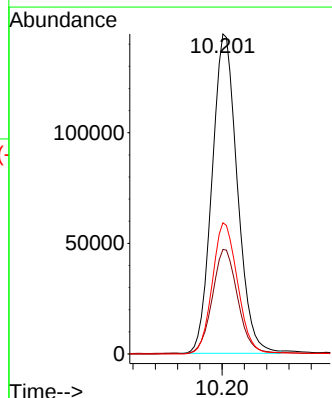
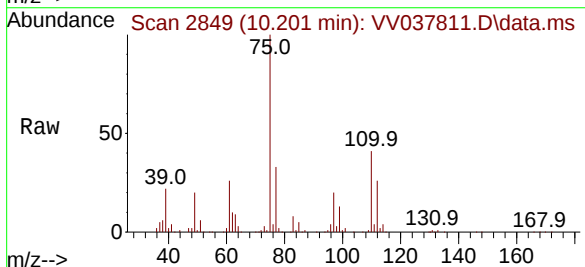
Tgt Ion: 75 Resp: 227805

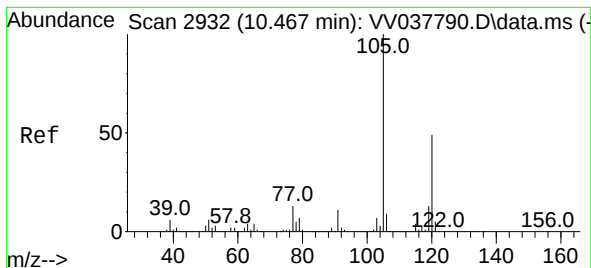
Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.0

110 41.3 31.7 47.5





#62

1,3,5-Trimethylbenzene

Concen: 49.666 ug/L

RT: 10.471 min Scan# 2932

Delta R.T. 0.003 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Instrument :

MSVOA_V

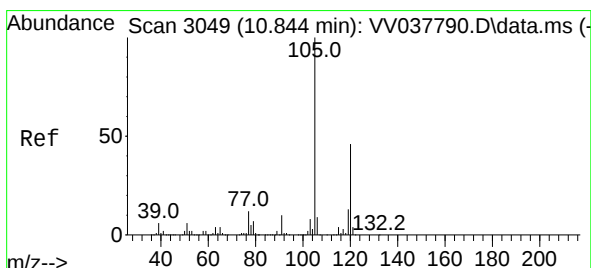
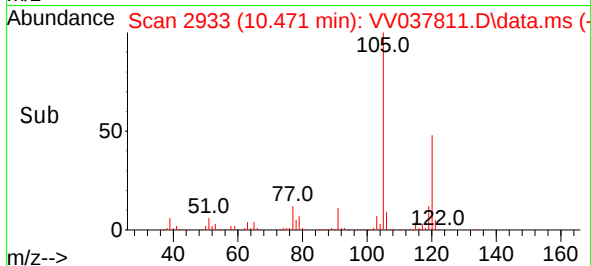
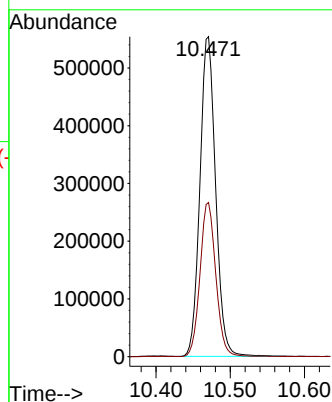
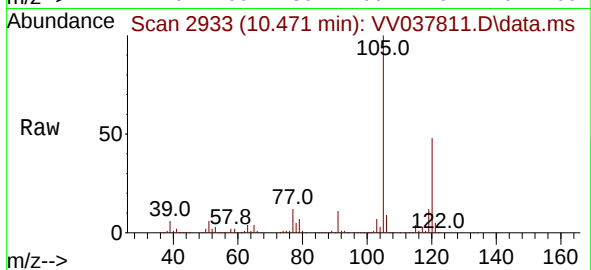
ClientSampleId :

Tgt Ion:105 Resp: 814526

Ion Ratio Lower Upper

105 100

120 48.3 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 49.822 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VV037811.D

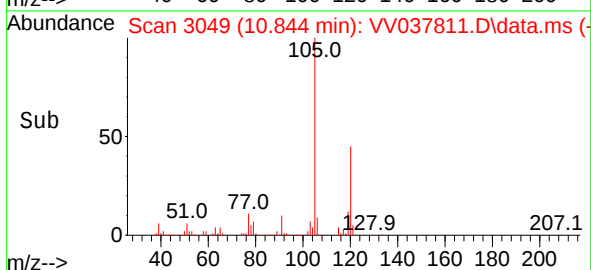
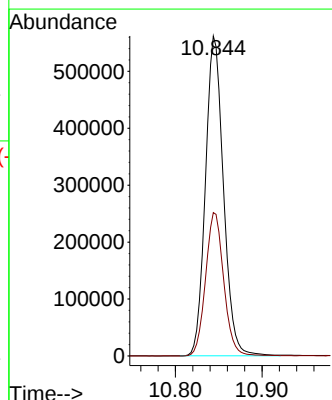
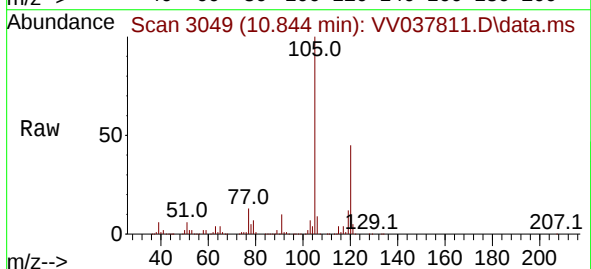
Acq: 10 Oct 2024 17:13

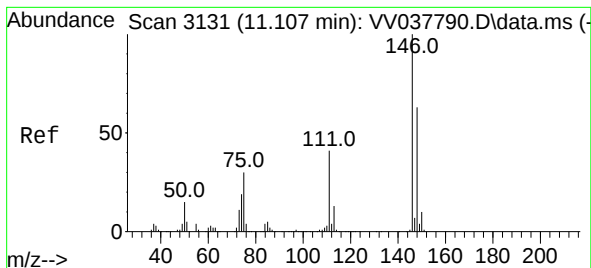
Tgt Ion:105 Resp: 812976

Ion Ratio Lower Upper

105 100

120 45.3 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 49.231 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. 0.003 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Instrument :

MSVOA_V

ClientSampleId :

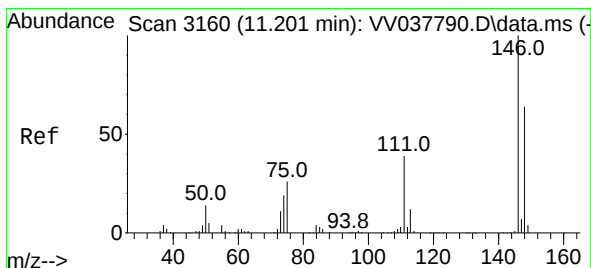
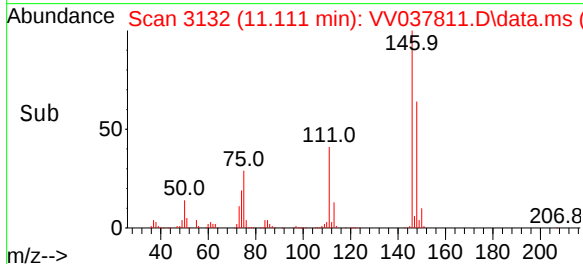
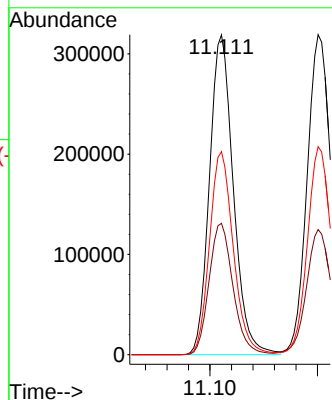
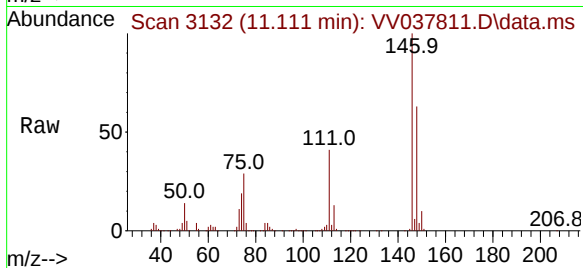
Tgt Ion:146 Resp: 491547

Ion Ratio Lower Upper

146 100

111 41.1 28.3 52.5

148 63.5 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 49.973 ug/L

RT: 11.201 min Scan# 3160

Delta R.T. 0.000 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

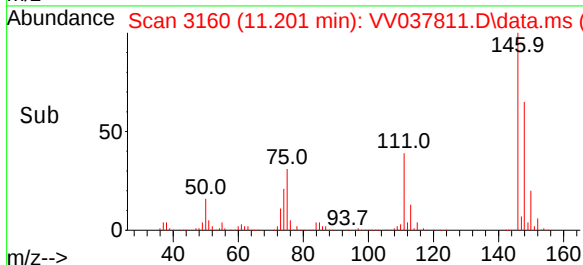
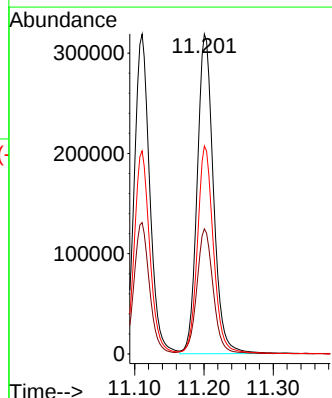
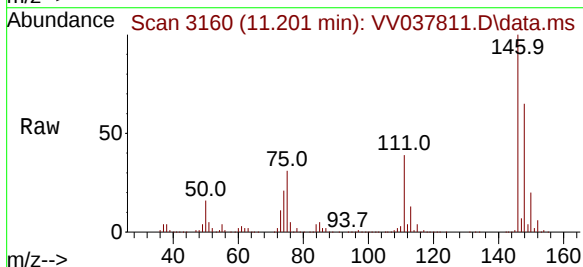
Tgt Ion:146 Resp: 519557

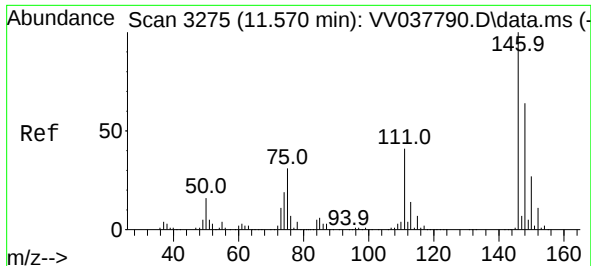
Ion Ratio Lower Upper

146 100

111 39.1 27.6 51.4

148 65.0 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 49.820 ug/L

RT: 11.570 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Instrument :

MSVOA_V

ClientSampleId :

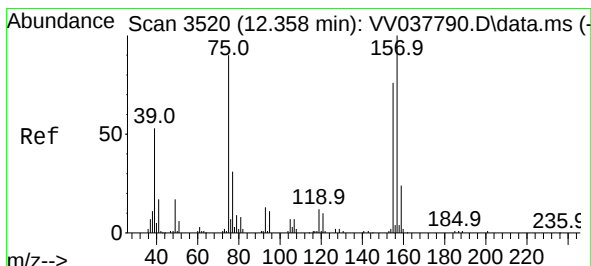
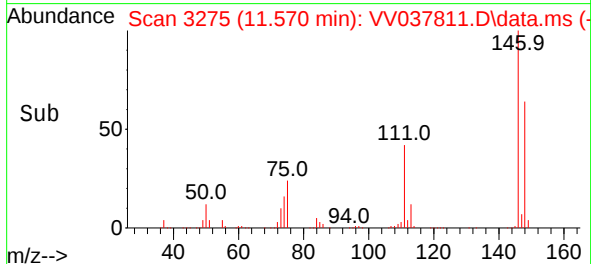
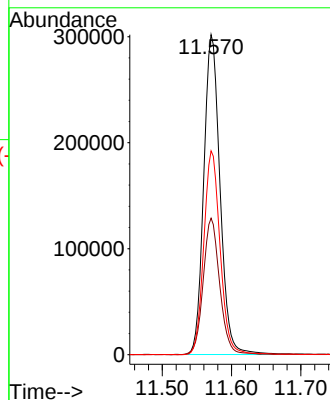
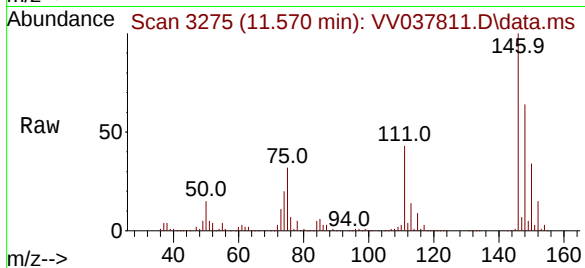
Tgt Ion:146 Resp: 491739

Ion Ratio Lower Upper

146 100

111 42.7 34.2 51.2

148 63.7 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 49.175 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. 0.000 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

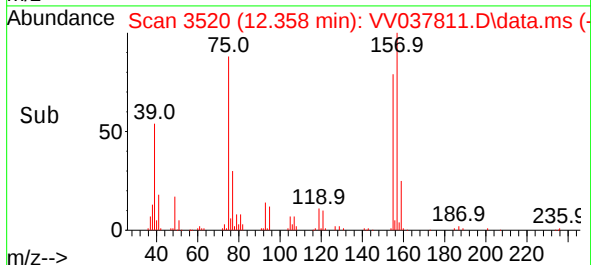
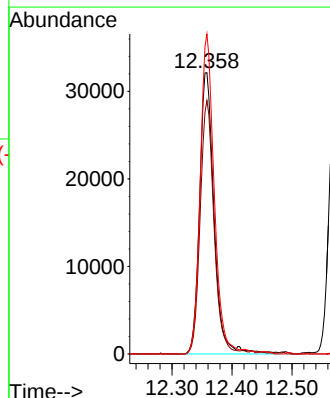
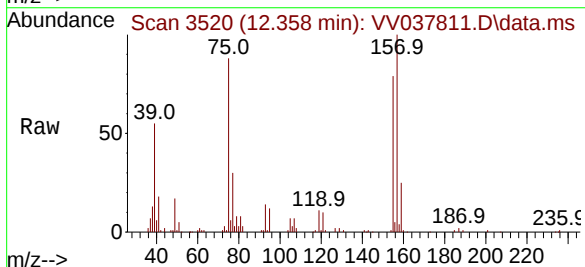
Tgt Ion: 75 Resp: 54196

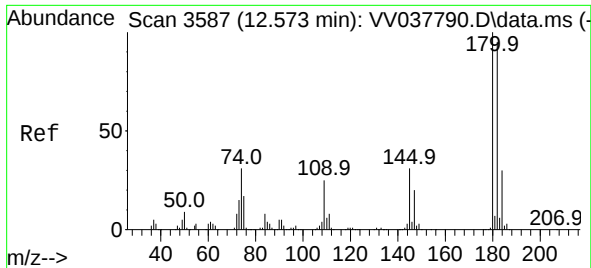
Ion Ratio Lower Upper

75 100

155 90.1 66.2 99.4

157 113.8 87.3 130.9





#69

1,3,5-Trichlorobenzene

Concen: 46.947 ug/L

RT: 12.574 min Scan# 3587

Delta R.T. 0.000 min

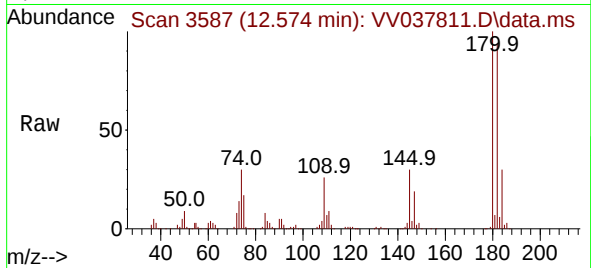
Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 322346

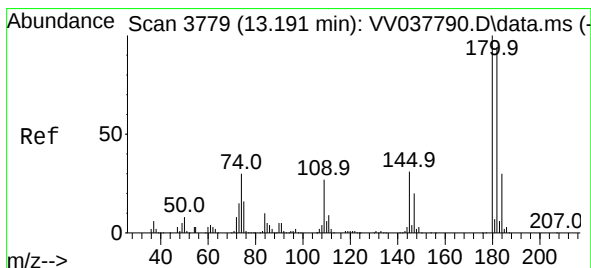
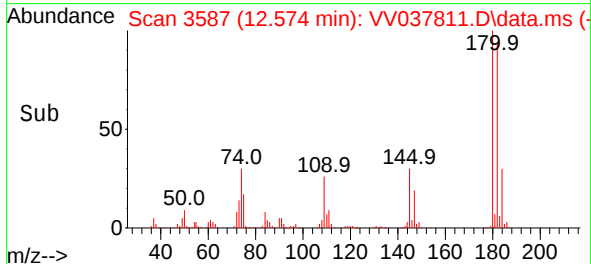
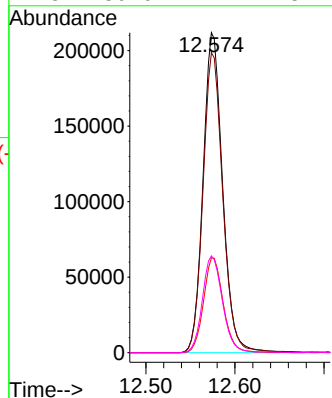
Ion Ratio Lower Upper

180 100

182 95.0 75.6 113.4

184 30.0 23.8 35.6

145 30.9 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 45.679 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. 0.000 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

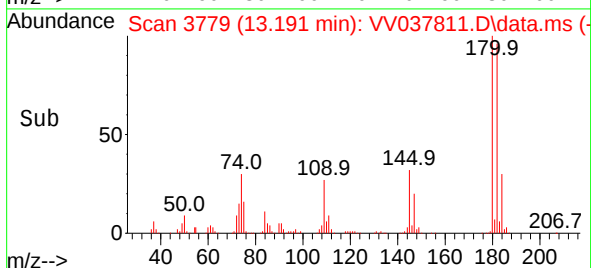
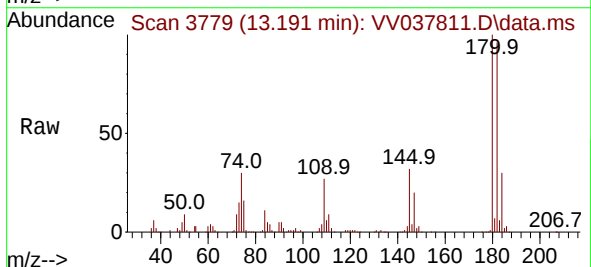
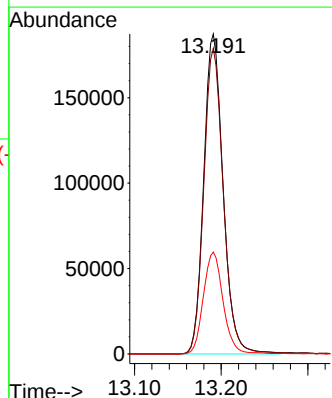
Tgt Ion:180 Resp: 290997

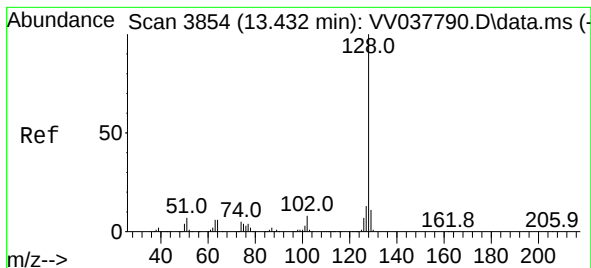
Ion Ratio Lower Upper

180 100

182 96.5 75.9 113.9

145 32.1 25.4 38.2





#71

Naphthalene

Concen: 49.844 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. 0.000 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Instrument :

MSVOA_V

ClientSampleId :

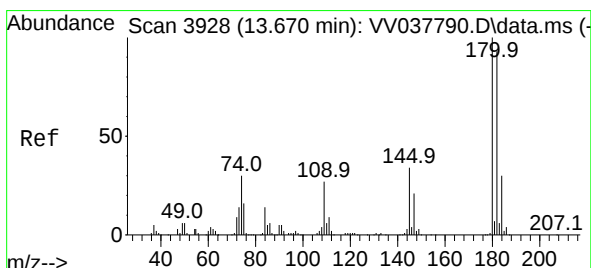
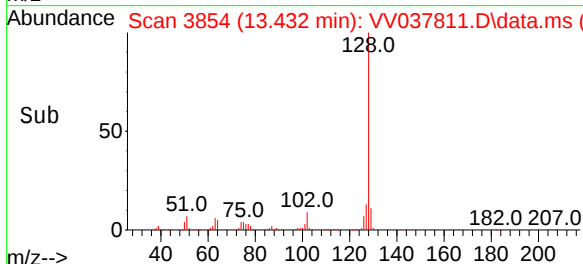
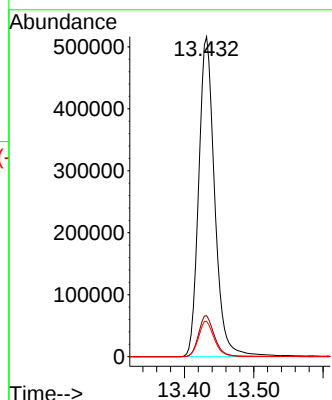
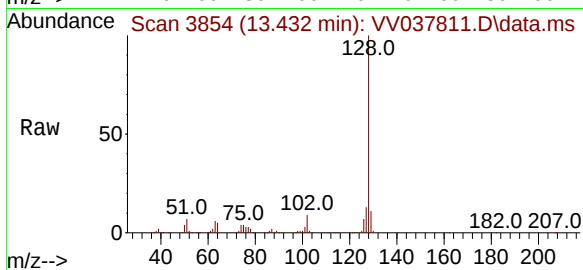
Tgt Ion:128 Resp: 829606

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

129 11.0 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 47.180 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. 0.003 min

Lab File: VV037811.D

Acq: 10 Oct 2024 17:13

Tgt Ion:180 Resp: 296807

Ion Ratio Lower Upper

180 100

182 96.2 75.8 113.8

145 34.2 26.2 39.4

