

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV101024\
 Data File : VV037812.D
 Acq On : 10 Oct 2024 17:34
 Operator : SY/MD
 Sample : P4379-09MSD
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 11 05:16:43 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	586023	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	571571	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	318443	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	205269	39.902	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.800%
7) Chloroethane-d5	1.532	69	180461	45.193	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.380%
11) 1,1-Dichloroethene-d2	2.060	65	94646	44.037	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.080%
21) 2-Butanone-d5	3.796	46	174796	95.396	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.400%
24) Chloroform-d	4.243	84	465235	50.832	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.660%
26) 1,2-Dichloroethane-d4	4.937	65	266893	49.820	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.640%
32) Benzene-d6	4.950	84	865509	48.391	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.780%
36) 1,2-Dichloropropane-d6	5.982	67	278317	48.868	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.740%
41) Toluene-d8	7.236	98	786710	48.508	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.020%
43) trans-1,3-Dichloroprop...	7.548	79	125685	47.506	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.020%
47) 2-Hexanone-d5	8.024	63	129463	107.651	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.650%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	351378	53.098	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.200%
66) 1,2-Dichlorobenzene-d4	11.551	152	316421	47.155	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	237351	47.576	ug/L	100
3) Chloromethane	1.217	50	233423	48.194	ug/L	99
5) Vinyl chloride	1.285	62	250838	48.308	ug/L	100
6) Bromomethane	1.487	94	146923	50.987	ug/L	99
8) Chloroethane	1.549	64	157856	49.324	ug/L	98
9) Trichlorofluoromethane	1.712	101	359350	51.414	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	214357	51.323	ug/L	99
12) 1,1-Dichloroethene	2.069	96	195723	50.167	ug/L	82
13) Acetone	2.114	43	133823	74.502	ug/L	99
14) Carbon disulfide	2.240	76	548506	45.040	ug/L	100
15) Methyl Acetate	2.372	43	163969	52.308	ug/L	98
16) Methylene chloride	2.442	84	225034	50.942	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	206303	49.984	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	641955	54.213	ug/L	100
19) 1,1-Dichloroethane	3.105	63	413155	52.246	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	243371	52.692	ug/L	98
22) 2-Butanone	3.876	43	191725	96.434	ug/L	97
23) Bromochloromethane	4.140	128	127131	53.211	ug/L	99
25) Chloroform	4.269	83	436505	53.314	ug/L	98

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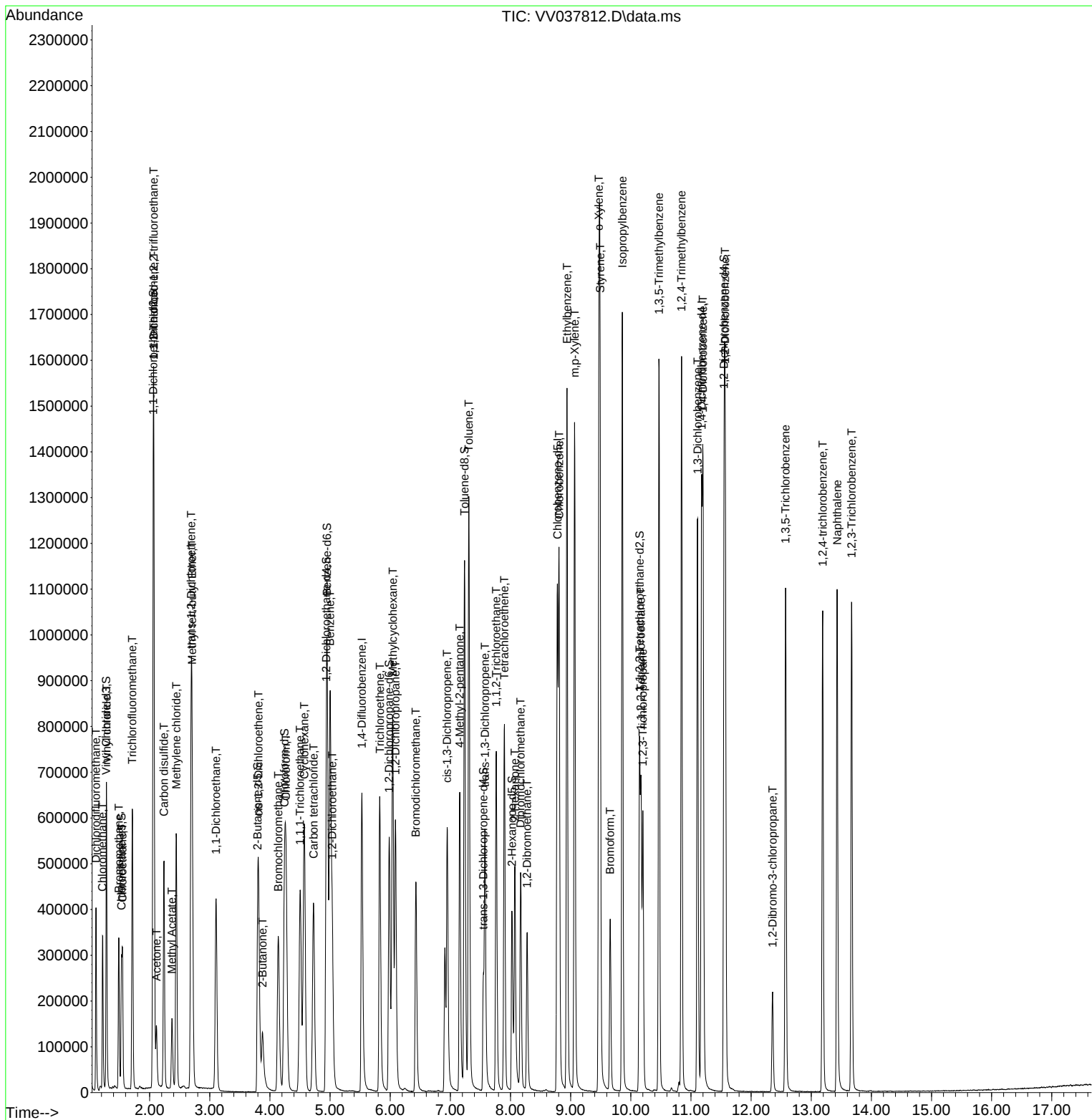
Instrument :
 MSVOA_V
 ClientSampleId :

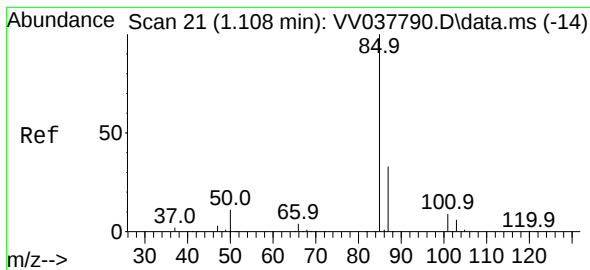
Quant Time: Oct 11 05:16:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 11 05:10:27 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	308106	53.305	ug/L	100
29) Cyclohexane	4.571	56	316701	48.801	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	373975	53.124	ug/L	98
31) Carbon tetrachloride	4.725	117	321779	52.575	ug/L	99
33) Benzene	5.002	78	906293	52.575	ug/L	100
34) Trichloroethene	5.828	95	233127	50.783	ug/L	99
35) Methylcyclohexane	6.043	83	350446	49.623	ug/L	100
37) 1,2-Dichloropropane	6.088	63	237170	53.281	ug/L	99
38) Bromodichloromethane	6.426	83	322707	54.232	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	365151	51.390	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	412832	113.906	ug/L	99
42) Toluene	7.307	91	970964	54.334	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	339762	53.111	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	235957	55.205	ug/L	99
46) Tetrachloroethene	7.899	164	177844	50.670	ug/L	99
48) 2-Hexanone	8.072	43	285491	101.303	ug/L	97
49) Dibromochloromethane	8.169	129	245834	54.344	ug/L	99
50) 1,2-Dibromoethane	8.275	107	232438	52.609	ug/L	100
51) Chlorobenzene	8.809	112	642045	52.734	ug/L	100
52) Ethylbenzene	8.940	91	1062734	52.831	ug/L	99
53) m,p-Xylene	9.066	106	403214	53.859	ug/L	99
54) o-Xylene	9.471	106	391181	53.521	ug/L	97
55) Styrene	9.490	104	714143	56.126	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.169	83	329195	55.242	ug/L	98
59) Bromoform	9.658	173	165326	53.119	ug/L	99
60) Isopropylbenzene	9.860	105	1057283	51.068	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	238108	52.547	ug/L	98
62) 1,3,5-Trimethylbenzene	10.468	105	849467	51.898	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	847761	52.055	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	516561	51.837	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	537350	51.785	ug/L	99
67) 1,2-Dichlorobenzene	11.571	146	509347	51.704	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	57324	52.115	ug/L	100
69) 1,3,5-Trichlorobenzene	12.574	180	331784	48.416	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	307835	48.416	ug/L	100
71) Naphthalene	13.432	128	869206	52.326	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	311698	49.644	ug/L	98

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

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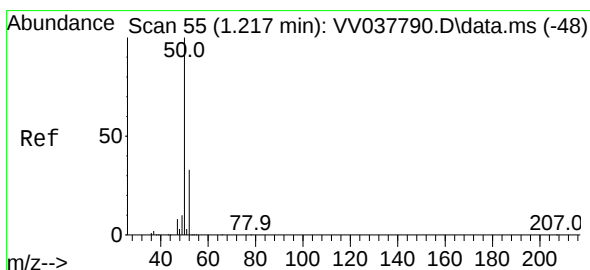
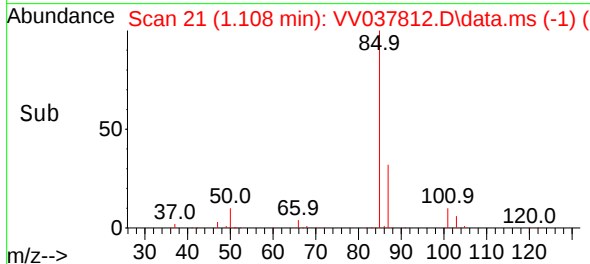
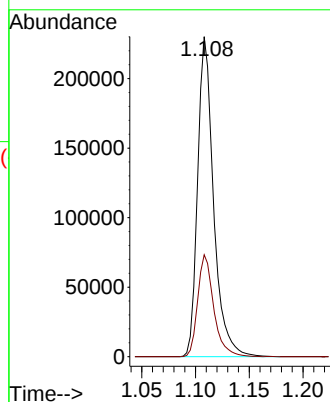
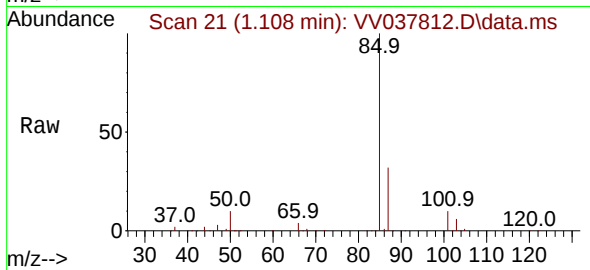




#2
 Dichlorodifluoromethane
 Concen: 47.576 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV037812.D
 Acq: 10 Oct 2024 17:34

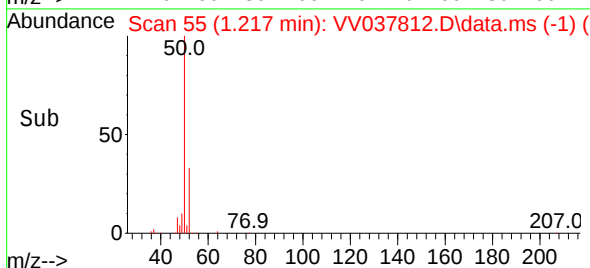
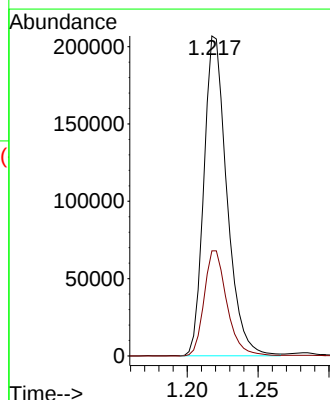
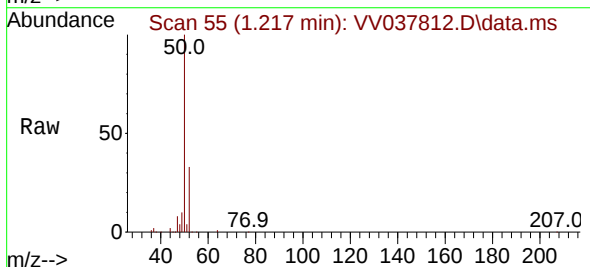
Instrument :
 MSVOA_V
 ClientSampleId :

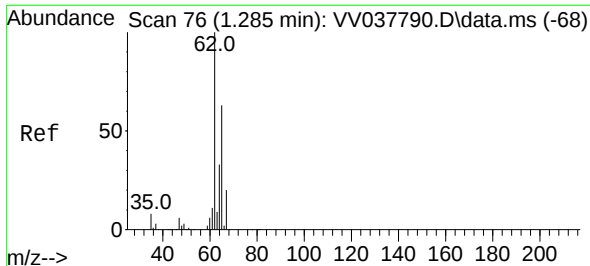
Tgt Ion: 85 Resp: 237351
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.8 38.8



#3
 Chloromethane
 Concen: 48.194 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV037812.D
 Acq: 10 Oct 2024 17:34

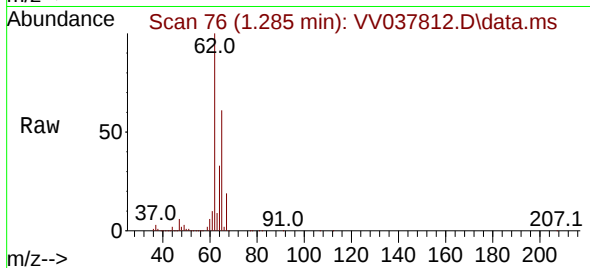
Tgt Ion: 50 Resp: 233423
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.2 43.2



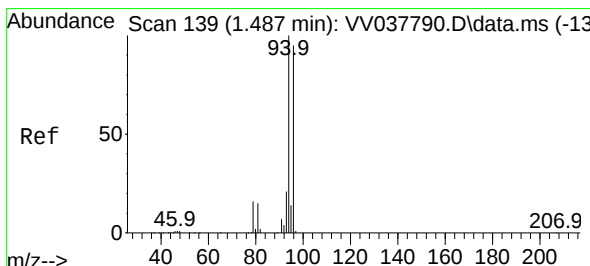
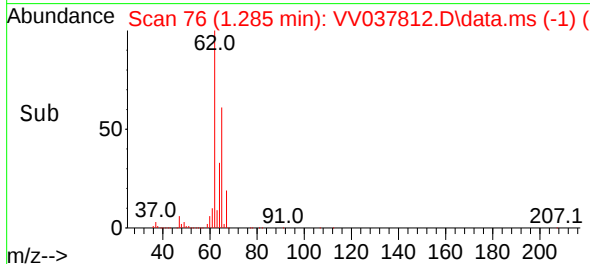
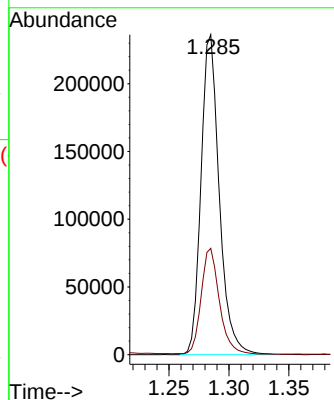


#5
Vinyl chloride
Concen: 48.308 ug/L
RT: 1.285 min Scan# 76
Delta R.T. 0.000 min
Lab File: VV037812.D
Acq: 10 Oct 2024 17:34

Instrument :
MSVOA_V
ClientSampleId :

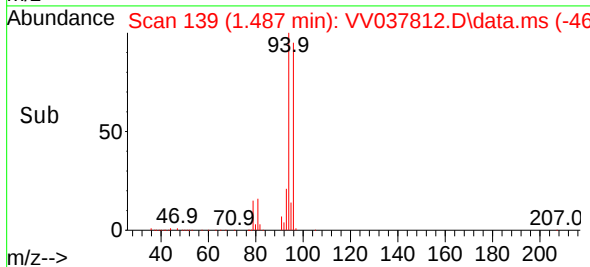
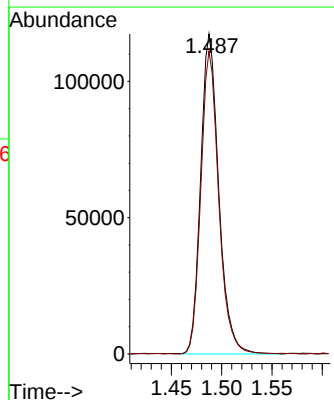
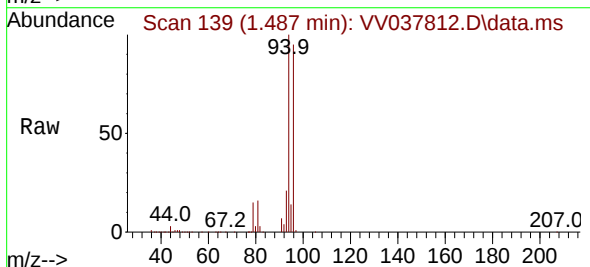


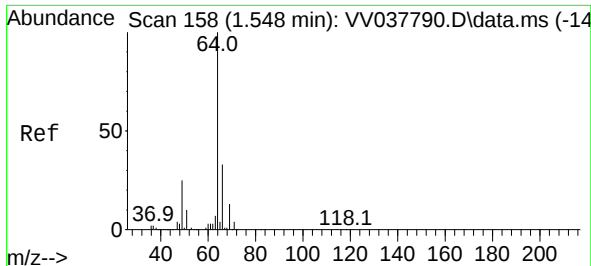
Tgt Ion: 62 Resp: 250838
Ion Ratio Lower Upper
62 100
64 33.2 23.2 43.0



#6
Bromomethane
Concen: 50.987 ug/L
RT: 1.487 min Scan# 139
Delta R.T. 0.000 min
Lab File: VV037812.D
Acq: 10 Oct 2024 17:34

Tgt Ion: 94 Resp: 146923
Ion Ratio Lower Upper
94 100
96 94.6 65.8 122.2

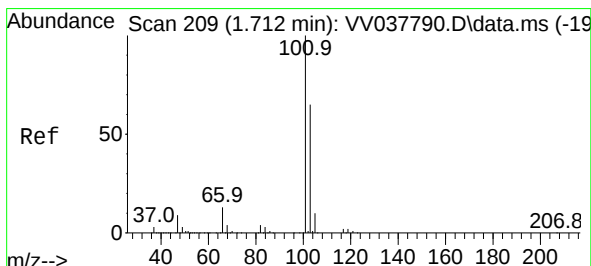
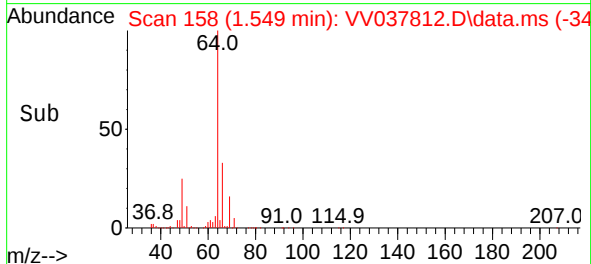
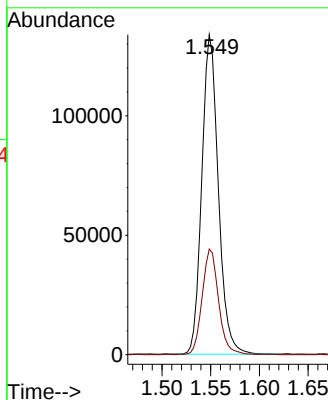
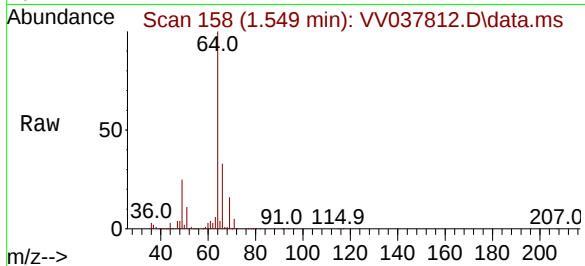




#8
Chloroethane
Concen: 49.324 ug/L
RT: 1.549 min Scan# 158
Delta R.T. 0.000 min
Lab File: VV037812.D
Acq: 10 Oct 2024 17:34

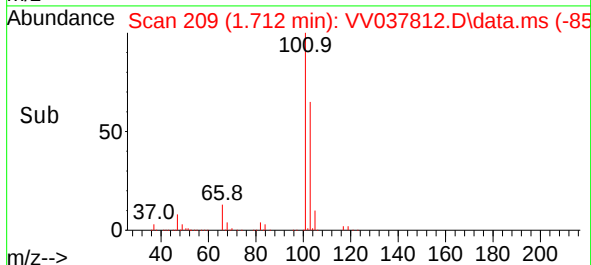
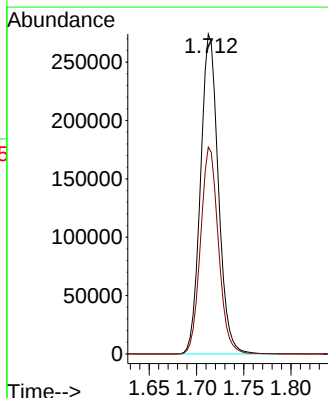
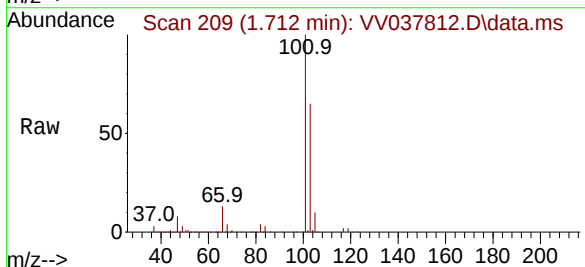
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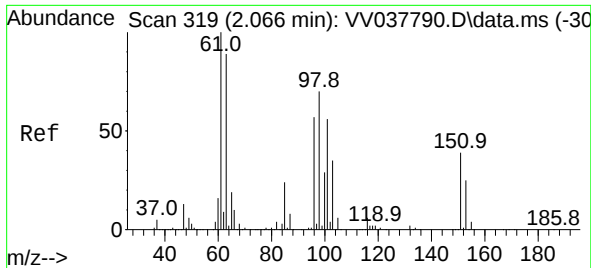
Tgt Ion: 64 Resp: 157856
Ion Ratio Lower Upper
64 100
66 33.0 22.2 41.2



#9
Trichlorofluoromethane
Concen: 51.414 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV037812.D
Acq: 10 Oct 2024 17:34

Tgt Ion:101 Resp: 359350
Ion Ratio Lower Upper
101 100
103 65.0 52.2 78.4

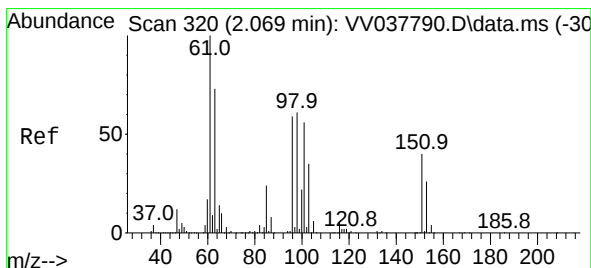
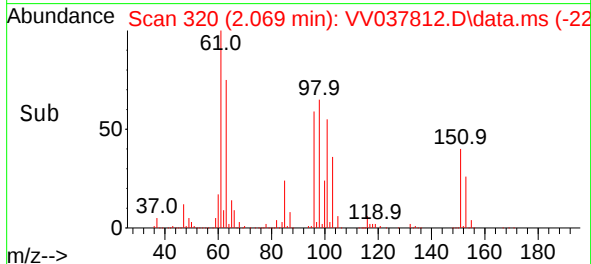
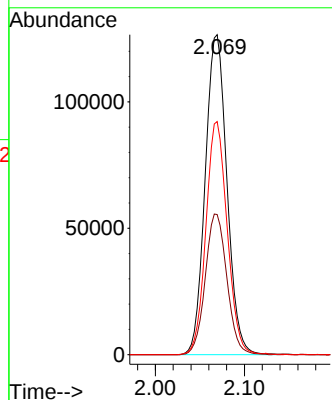
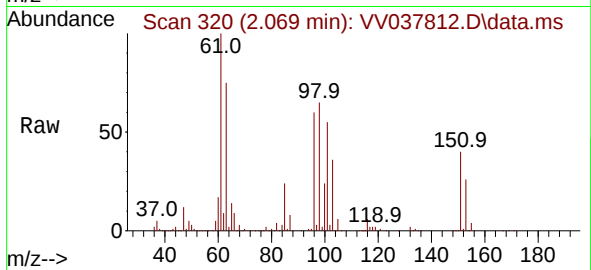




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 51.323 ug/L
RT: 2.069 min Scan# 319
Delta R.T. 0.003 min
Lab File: VV037812.D
Acq: 10 Oct 2024 17:34

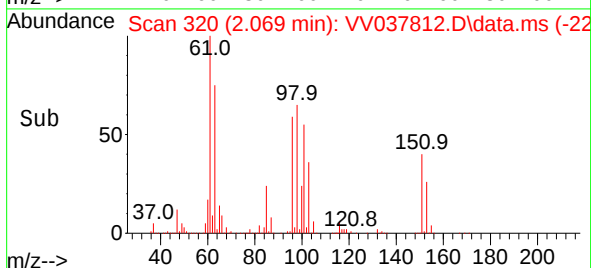
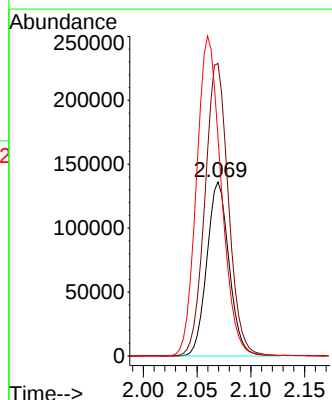
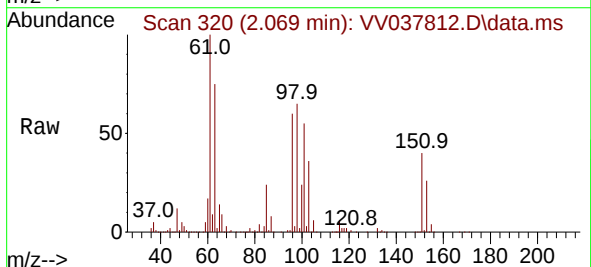
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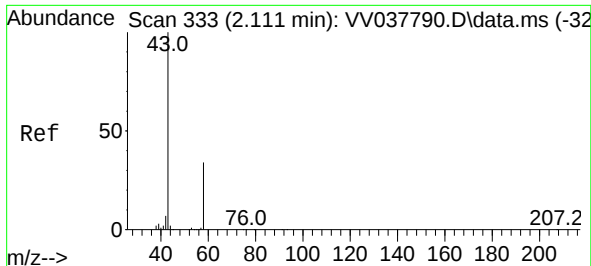
Tgt Ion:101 Resp: 214357
Ion Ratio Lower Upper
101 100
85 43.8 34.6 52.0
151 71.4 57.5 86.3



#12
1,1-Dichloroethene
Concen: 50.167 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.000 min
Lab File: VV037812.D
Acq: 10 Oct 2024 17:34

Tgt Ion: 96 Resp: 195723
Ion Ratio Lower Upper
96 100
61 168.0 122.6 227.6
63 126.0 118.0 219.2





#13

Acetone

Concen: 74.502 ug/L

RT: 2.114 min Scan# 334

Delta R.T. 0.003 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

Instrument :

MSVOA_V

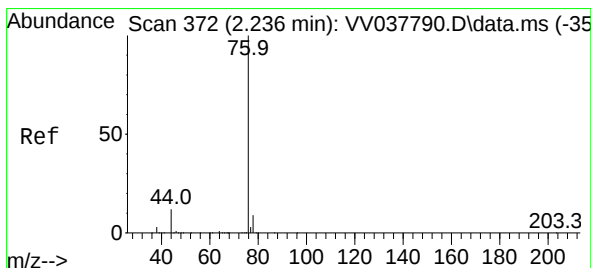
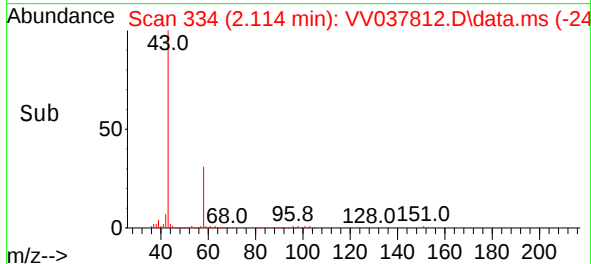
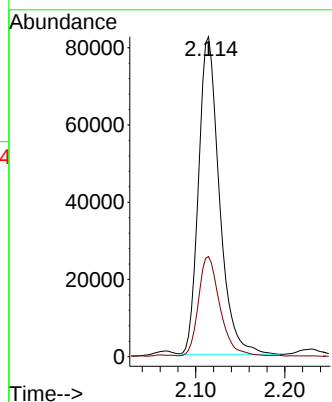
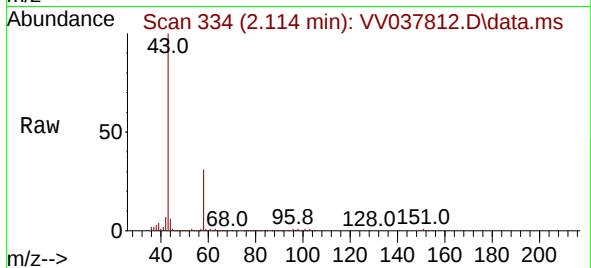
ClientSampleId :

Tgt Ion: 43 Resp: 133823

Ion Ratio Lower Upper

43 100

58 32.5 0.0 66.6



#14

Carbon disulfide

Concen: 45.040 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.003 min

Lab File: VV037812.D

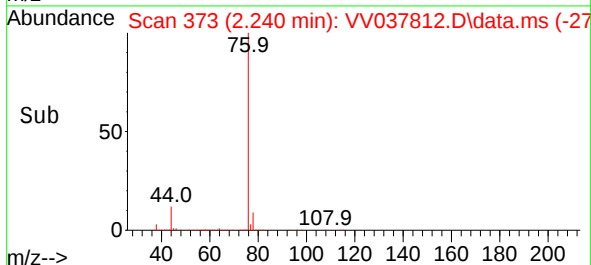
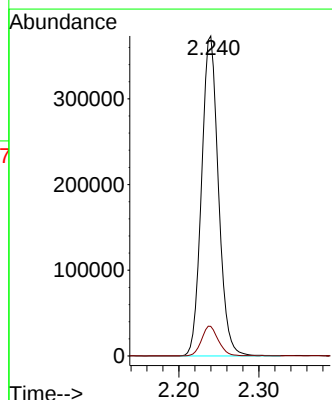
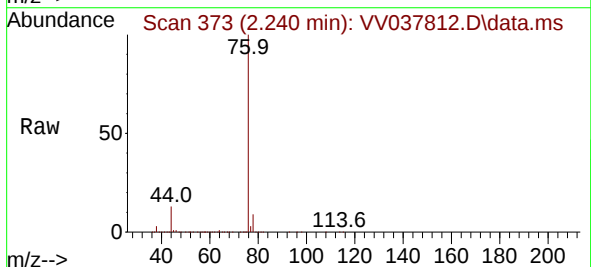
Acq: 10 Oct 2024 17:34

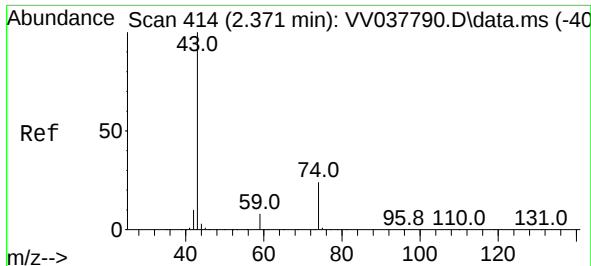
Tgt Ion: 76 Resp: 548506

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0





#15

Methyl Acetate

Concen: 52.308 ug/L

RT: 2.372 min Scan# 414

Delta R.T. 0.000 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

Instrument :

MSVOA_V

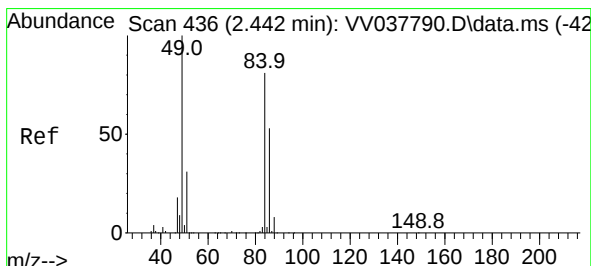
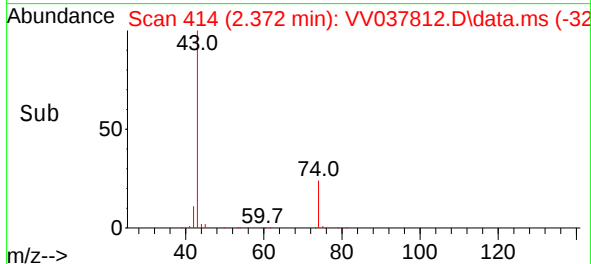
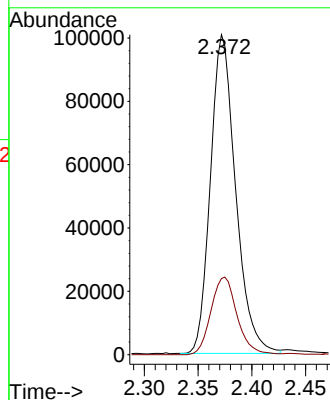
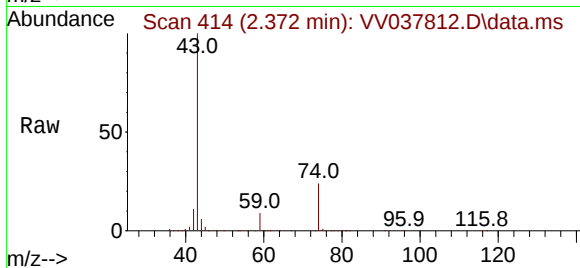
ClientSampleId :

Tgt Ion: 43 Resp: 163969

Ion Ratio Lower Upper

43 100

74 25.2 19.4 29.0



#16

Methylene chloride

Concen: 50.942 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.000 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

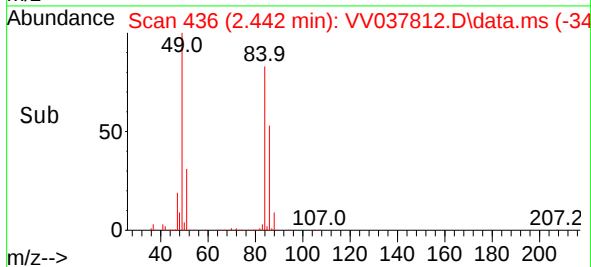
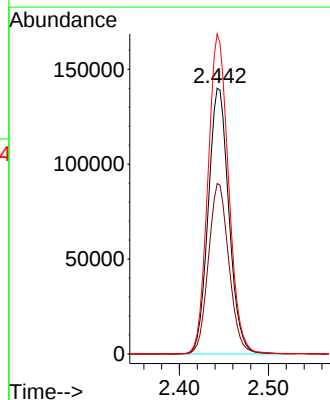
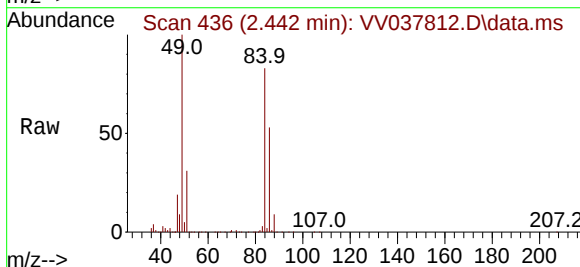
Tgt Ion: 84 Resp: 225034

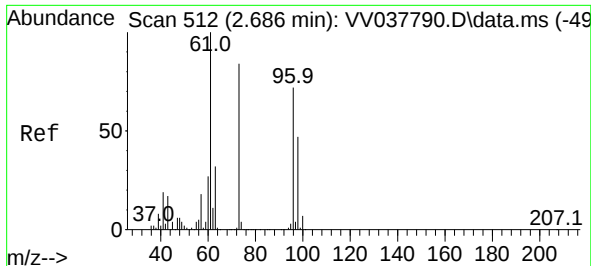
Ion Ratio Lower Upper

84 100

86 64.1 46.4 86.2

49 120.4 85.9 159.5





#17

trans-1,2-Dichloroethene

Concen: 49.984 ug/L

RT: 2.690 min Scan# 512

Delta R.T. 0.003 min

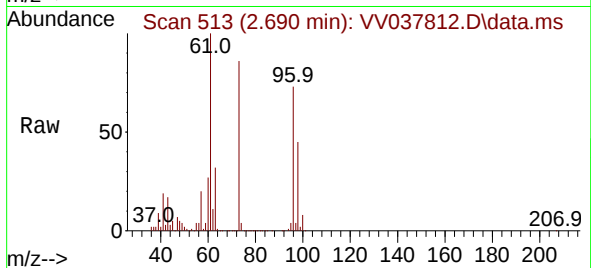
Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

Instrument :

MSVOA_V

ClientSampleId :



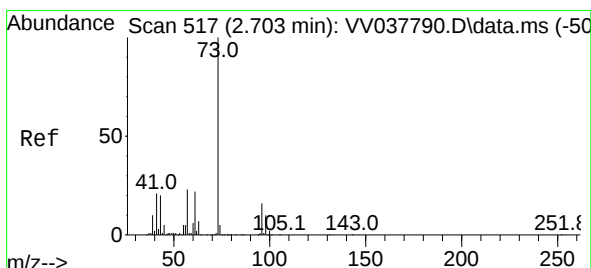
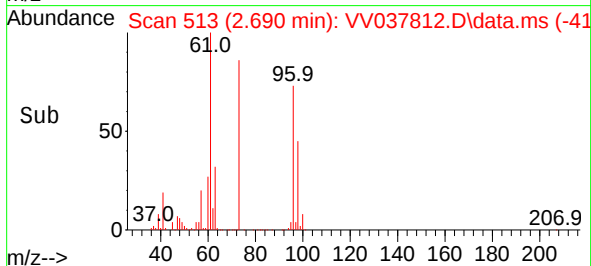
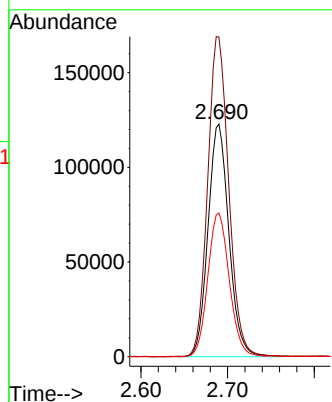
Tgt Ion: 96 Resp: 206303

Ion Ratio Lower Upper

96 100

61 137.4 97.3 180.7

98 61.7 43.9 81.5



#18

Methyl tert-butyl Ether

Concen: 54.213 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.003 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

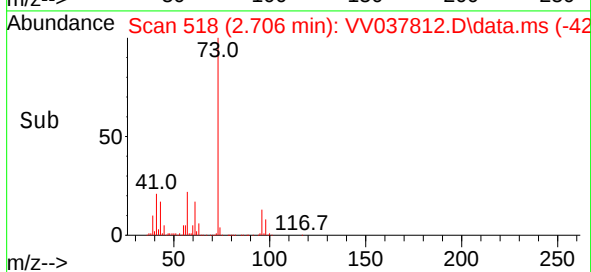
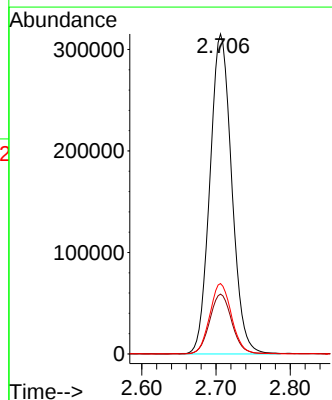
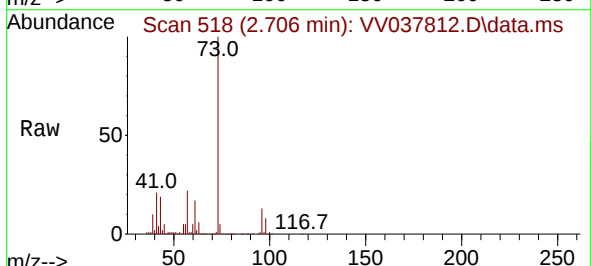
Tgt Ion: 73 Resp: 641955

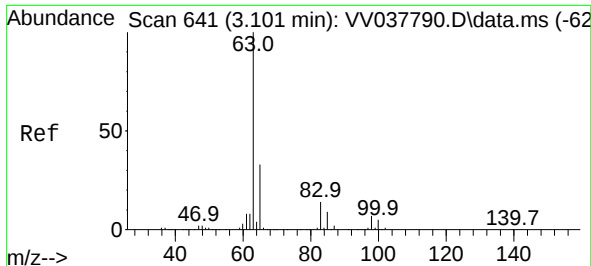
Ion Ratio Lower Upper

73 100

43 18.9 15.1 22.7

57 22.1 17.4 26.2





#19

1,1-Dichloroethane

Concen: 52.246 ug/L

RT: 3.105 min Scan# 641

Delta R.T. 0.003 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

Instrument :

MSVOA_V

ClientSampleId :

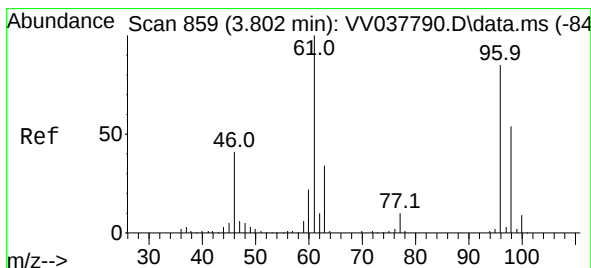
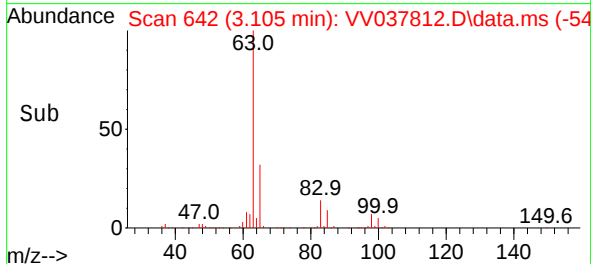
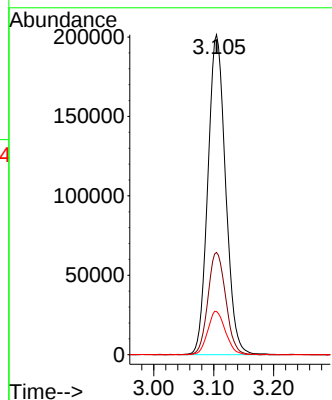
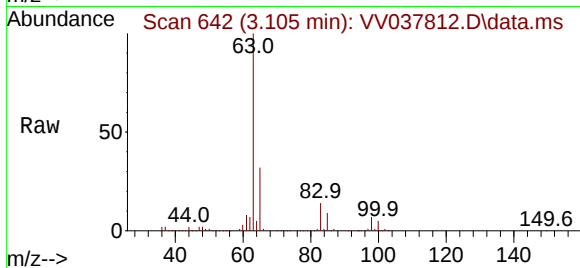
Tgt Ion: 63 Resp: 413155

Ion Ratio Lower Upper

63 100

65 31.9 22.4 41.6

83 13.5 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 52.692 ug/L

RT: 3.809 min Scan# 861

Delta R.T. 0.007 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

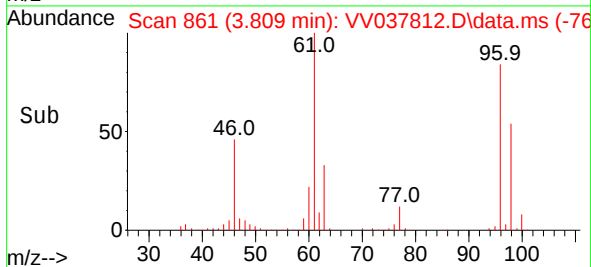
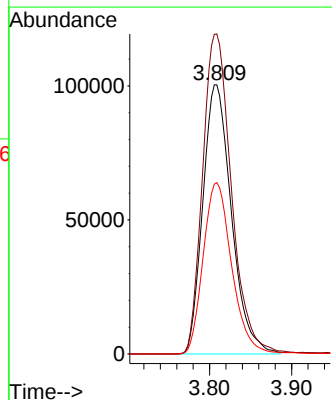
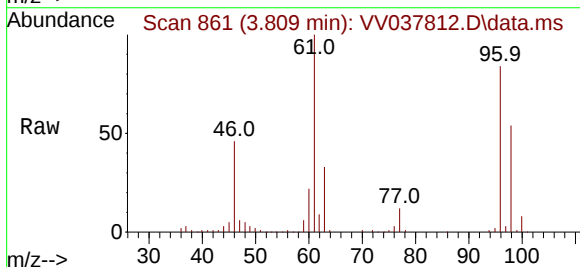
Tgt Ion: 96 Resp: 243371

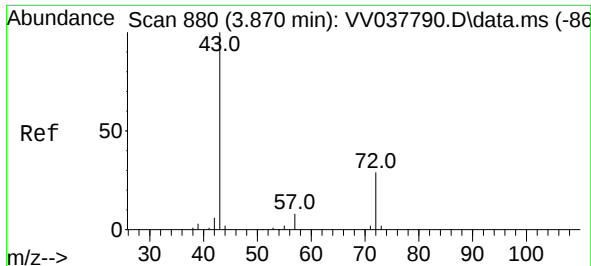
Ion Ratio Lower Upper

96 100

61 118.9 85.0 157.8

98 63.7 44.2 82.0





#22

2-Butanone

Concen: 96.434 ug/L

RT: 3.876 min Scan# 880

Delta R.T. 0.007 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

Instrument :

MSVOA_V

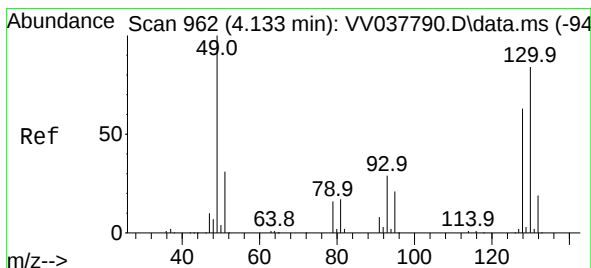
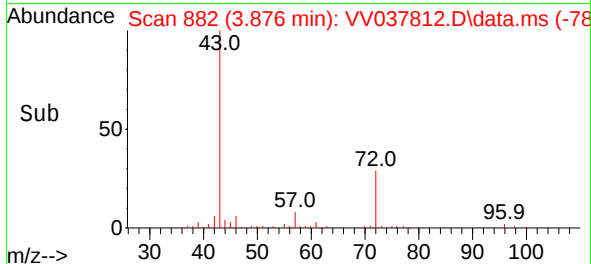
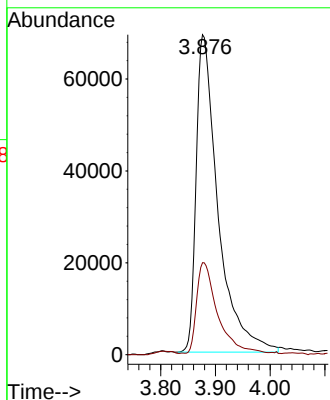
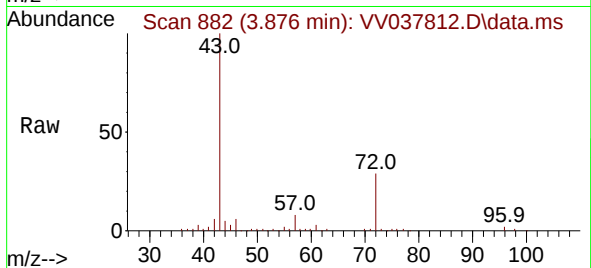
ClientSampleId :

Tgt Ion: 43 Resp: 191725

Ion Ratio Lower Upper

43 100

72 27.1 14.3 42.9



#23

Bromochloromethane

Concen: 53.211 ug/L

RT: 4.140 min Scan# 964

Delta R.T. 0.007 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

Tgt Ion:128 Resp: 127131

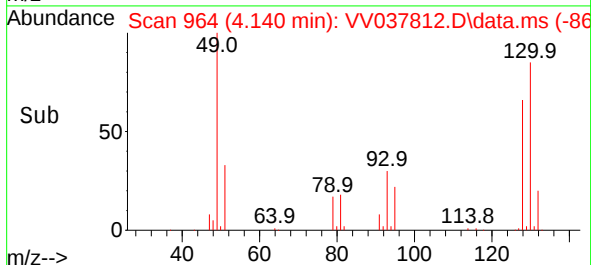
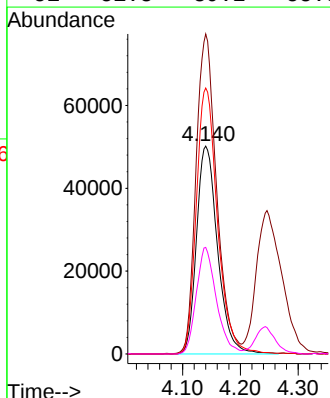
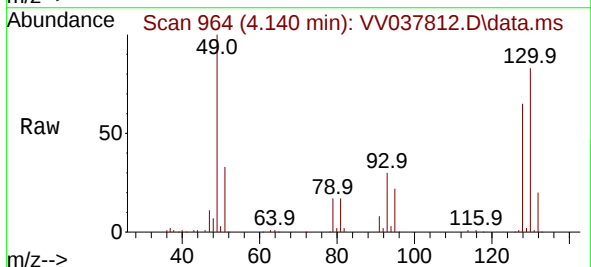
Ion Ratio Lower Upper

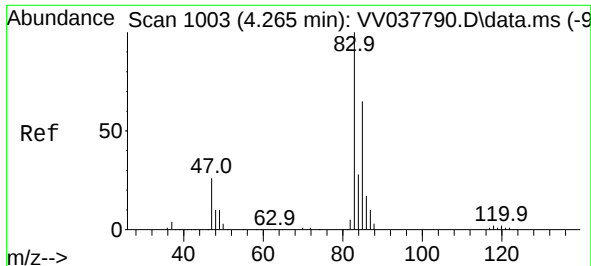
128 100

49 154.0 108.7 201.9

130 128.0 90.4 168.0

51 51.3 39.2 58.8





#25

Chloroform

Concen: 53.314 ug/L

RT: 4.269 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

Instrument :

MSVOA_V

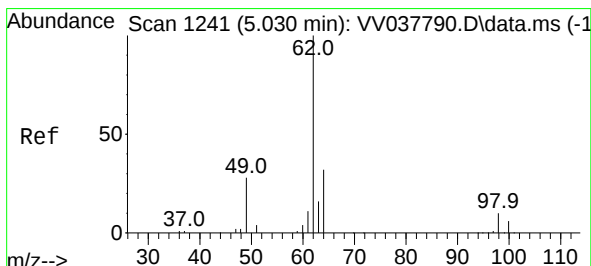
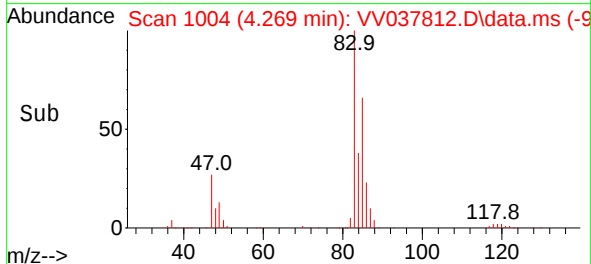
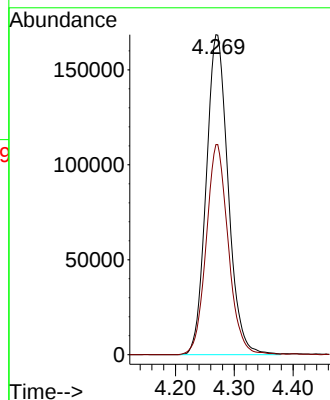
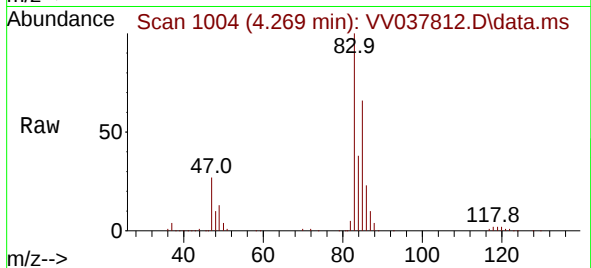
ClientSampleId :

Tgt Ion: 83 Resp: 436505

Ion Ratio Lower Upper

83 100

85 65.7 45.1 83.7



#27

1,2-Dichloroethane

Concen: 53.305 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.007 min

Lab File: VV037812.D

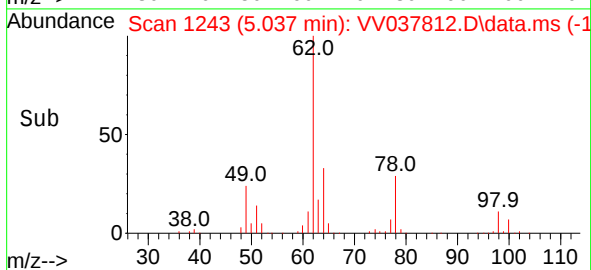
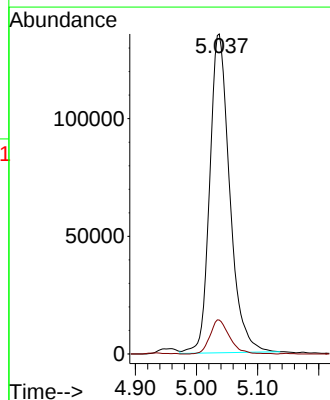
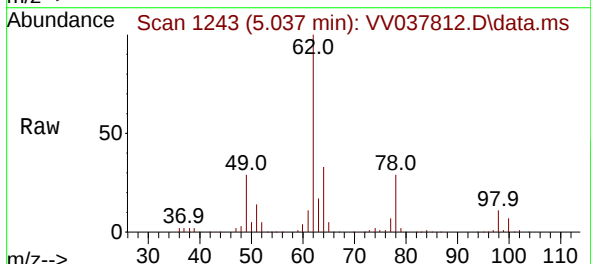
Acq: 10 Oct 2024 17:34

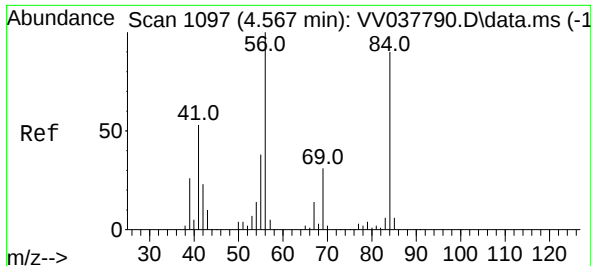
Tgt Ion: 62 Resp: 308106

Ion Ratio Lower Upper

62 100

98 10.6 8.4 12.6





#29

Cyclohexane

Concen: 48.801 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. 0.003 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

Instrument :

MSVOA_V

ClientSampleId :

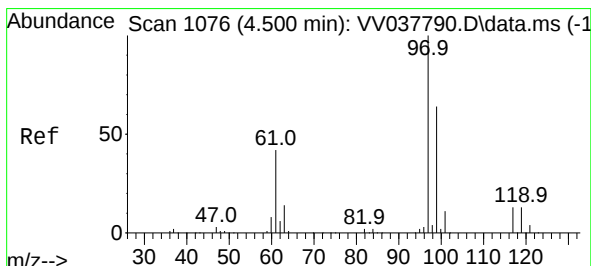
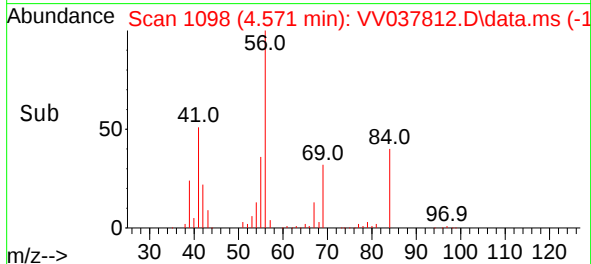
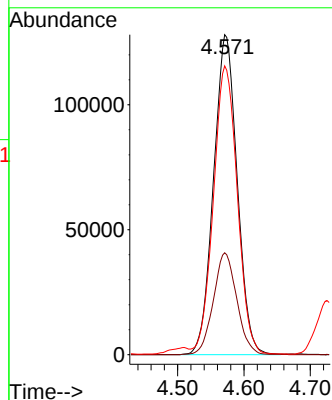
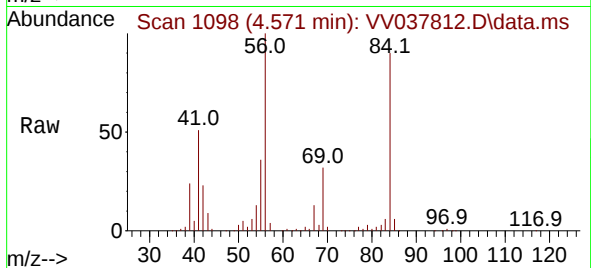
Tgt Ion: 56 Resp: 316701

Ion Ratio Lower Upper

56 100

69 31.6 24.7 37.1

84 91.4 73.4 110.0



#30

1,1,1-Trichloroethane

Concen: 53.124 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

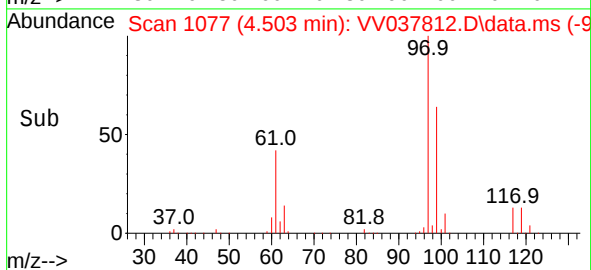
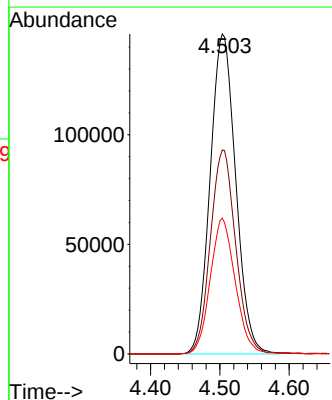
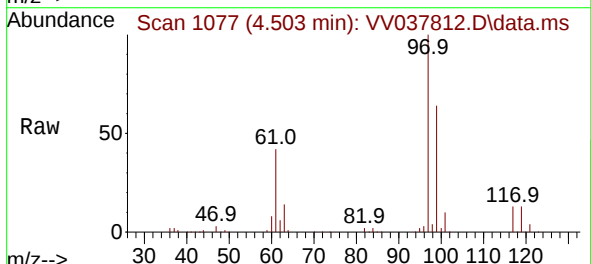
Tgt Ion: 97 Resp: 373975

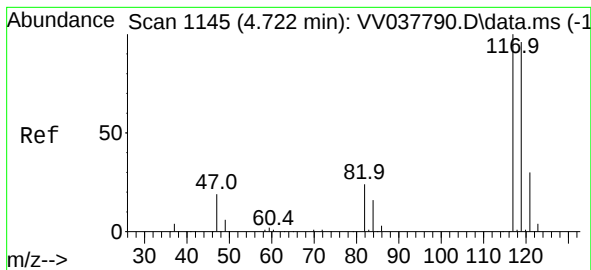
Ion Ratio Lower Upper

97 100

99 63.1 51.8 77.6

61 41.5 33.6 50.4





#31

Carbon tetrachloride

Concen: 52.575 ug/L

RT: 4.725 min Scan# 1146

Delta R.T. 0.003 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

Instrument :

MSVOA_V

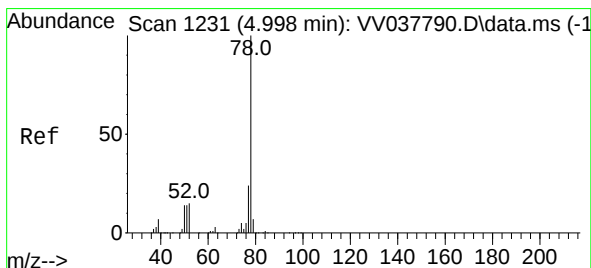
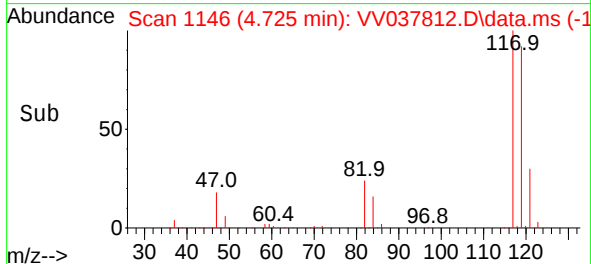
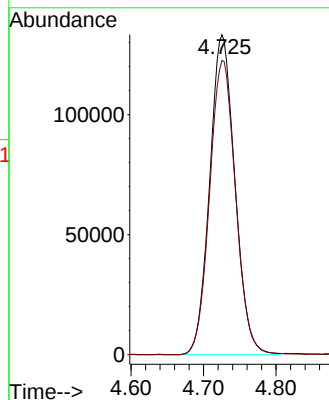
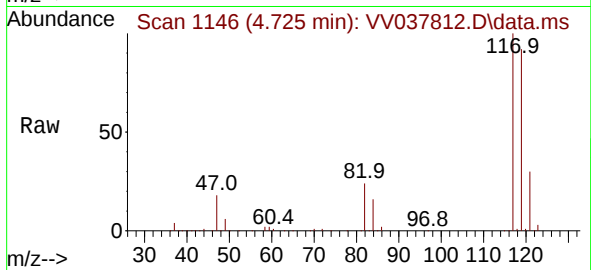
ClientSampleId :

Tgt Ion:117 Resp: 321779

Ion Ratio Lower Upper

117 100

119 94.6 76.9 115.3



#33

Benzene

Concen: 52.575 ug/L

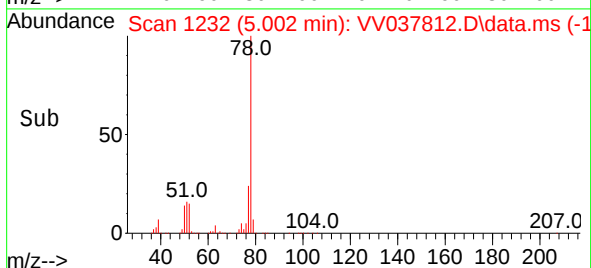
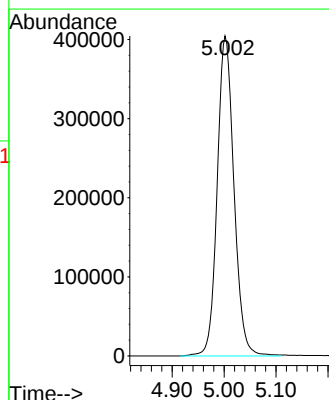
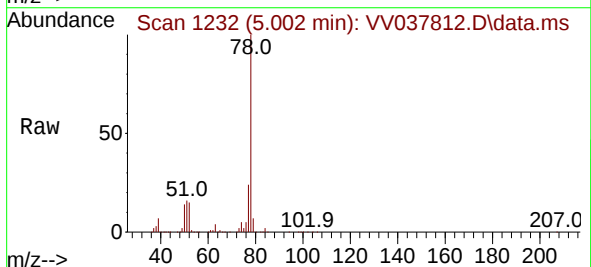
RT: 5.002 min Scan# 1232

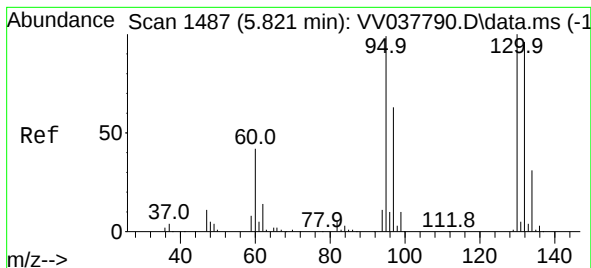
Delta R.T. 0.003 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

Tgt Ion: 78 Resp: 906293





#34

Trichloroethene

Concen: 50.783 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.007 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 233127

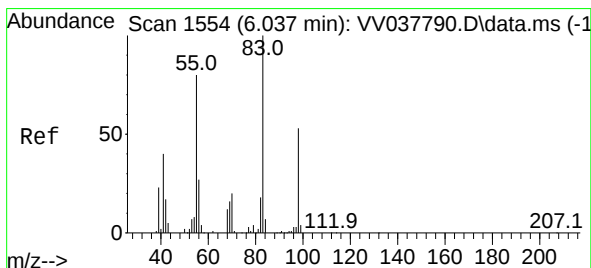
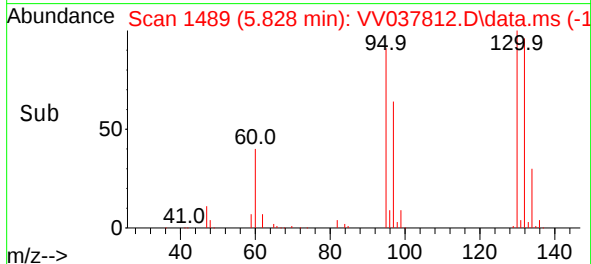
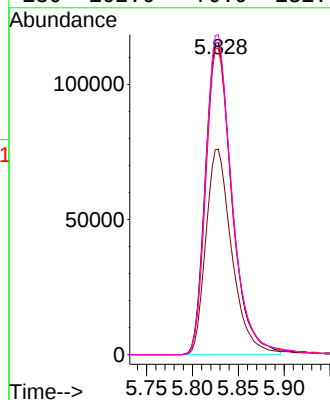
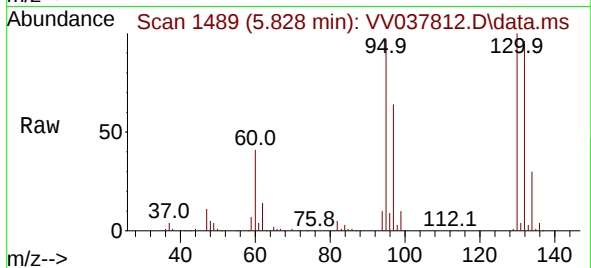
Ion Ratio Lower Upper

95 100

97 65.9 46.3 85.9

132 98.3 68.6 127.4

130 102.6 70.9 131.7



#35

Methylcyclohexane

Concen: 49.623 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.007 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

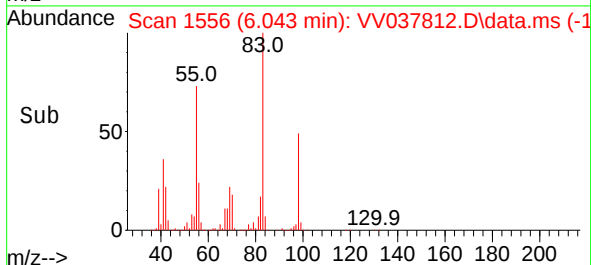
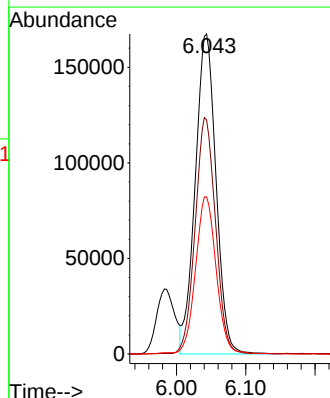
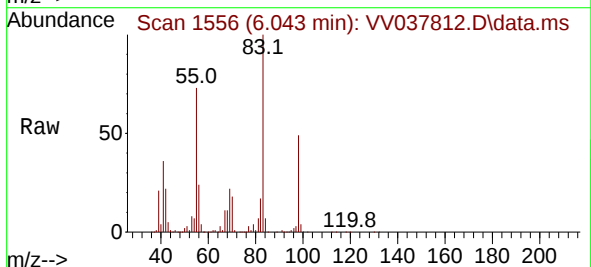
Tgt Ion: 83 Resp: 350446

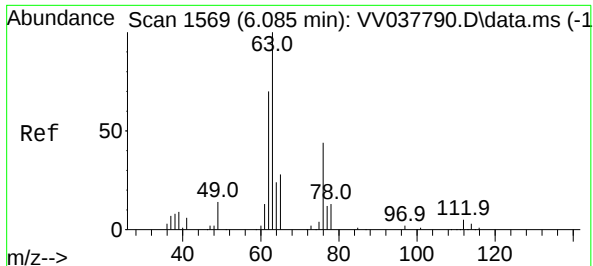
Ion Ratio Lower Upper

83 100

55 72.3 57.9 86.9

98 48.6 39.3 58.9

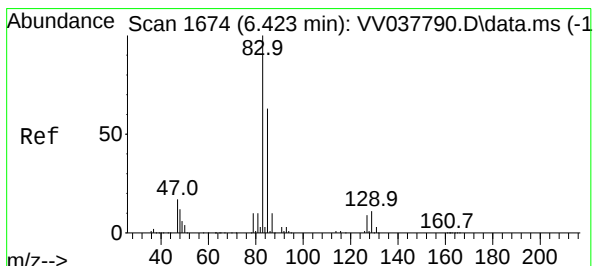
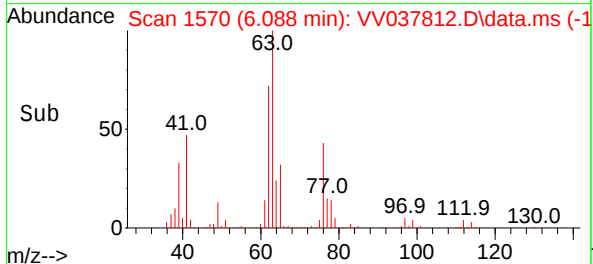
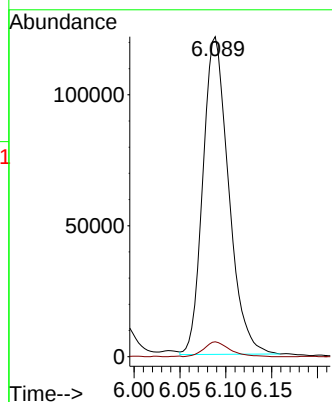
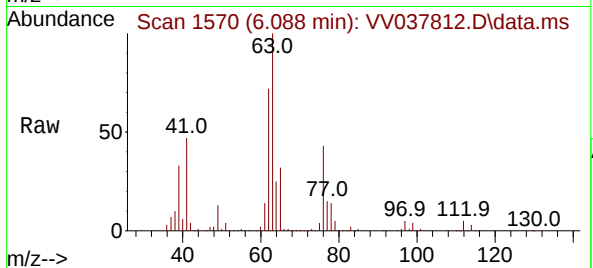




#37
1,2-Dichloropropane
Concen: 53.281 ug/L
RT: 6.088 min Scan# 1569
Delta R.T. 0.003 min
Lab File: VV037812.D
Acq: 10 Oct 2024 17:34

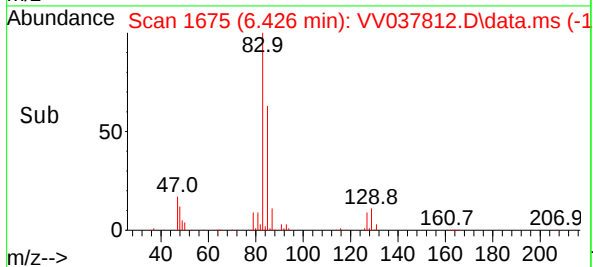
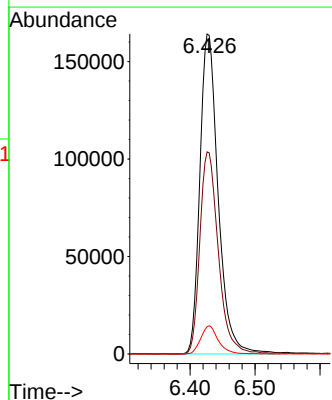
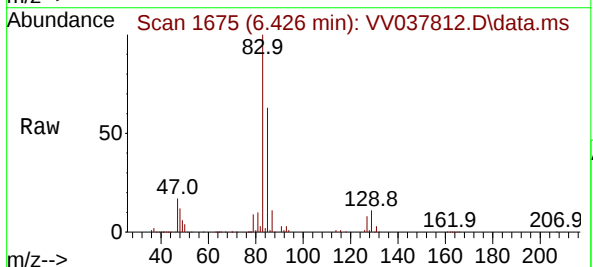
Instrument :
MSVOA_V
ClientSampleId :

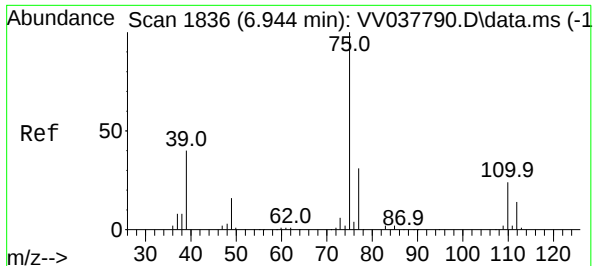
Tgt Ion: 63 Resp: 237170
Ion Ratio Lower Upper
63 100
112 4.7 3.5 5.3



#38
Bromodichloromethane
Concen: 54.232 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. 0.003 min
Lab File: VV037812.D
Acq: 10 Oct 2024 17:34

Tgt Ion: 83 Resp: 322707
Ion Ratio Lower Upper
83 100
85 63.2 45.7 84.9
127 8.5 7.0 10.4

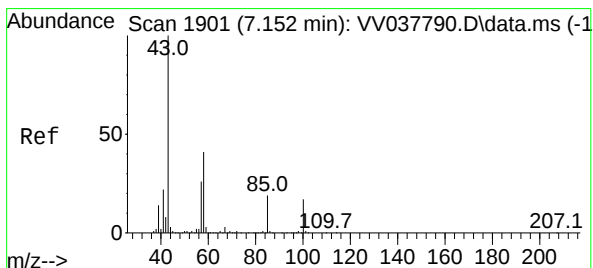
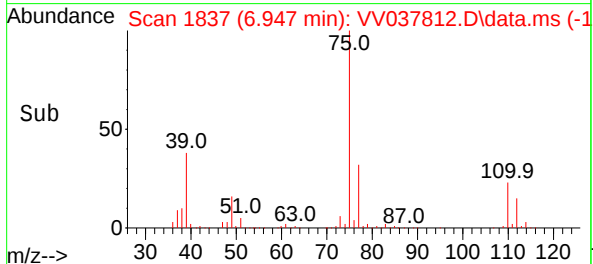
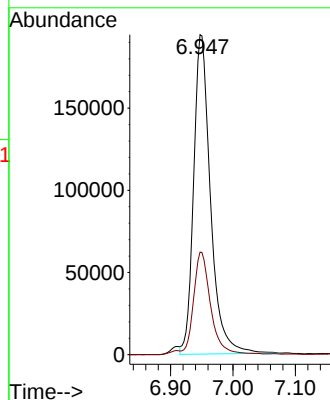
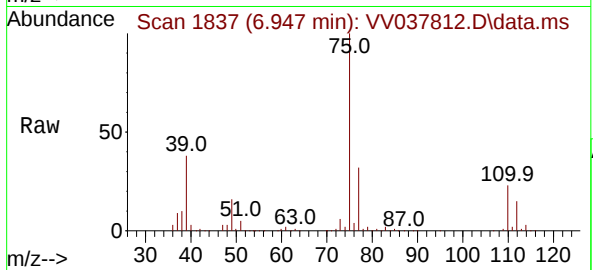




#39
 cis-1,3-Dichloropropene
 Concen: 51.390 ug/L
 RT: 6.947 min Scan# 1836
 Delta R.T. 0.003 min
 Lab File: VV037812.D
 Acq: 10 Oct 2024 17:34

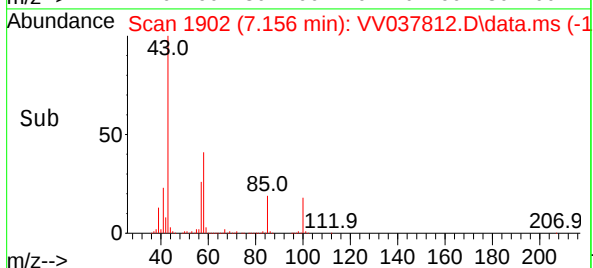
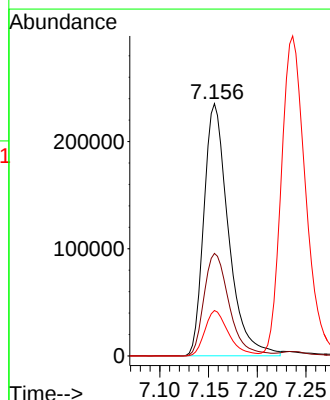
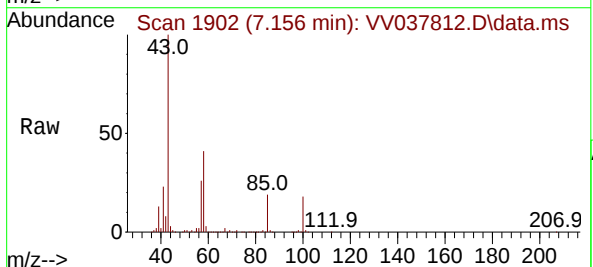
Instrument :
 MSVOA_V
 ClientSampleId :

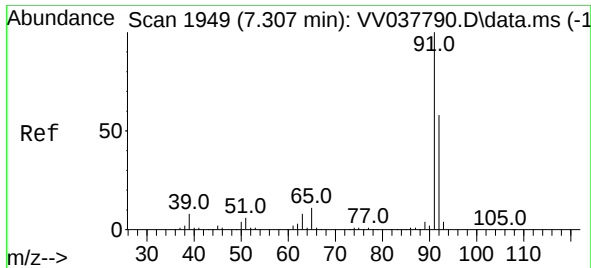
Tgt Ion: 75 Resp: 365151
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 113.906 ug/L
 RT: 7.156 min Scan# 1902
 Delta R.T. 0.003 min
 Lab File: VV037812.D
 Acq: 10 Oct 2024 17:34

Tgt Ion: 43 Resp: 412832
 Ion Ratio Lower Upper
 43 100
 58 41.8 33.0 49.4
 100 17.4 13.7 20.5





#42

Toluene

Concen: 54.334 ug/L

RT: 7.307 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

Instrument :

MSVOA_V

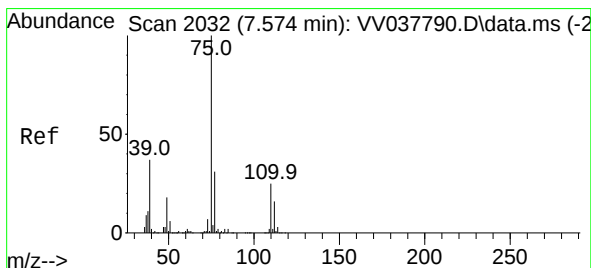
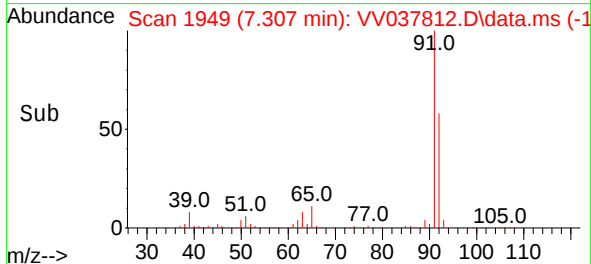
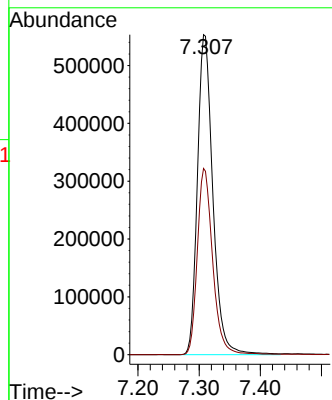
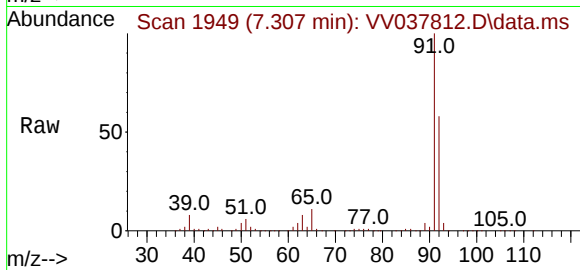
ClientSampleId :

Tgt Ion: 91 Resp: 970964

Ion Ratio Lower Upper

91 100

92 58.2 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 53.111 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.003 min

Lab File: VV037812.D

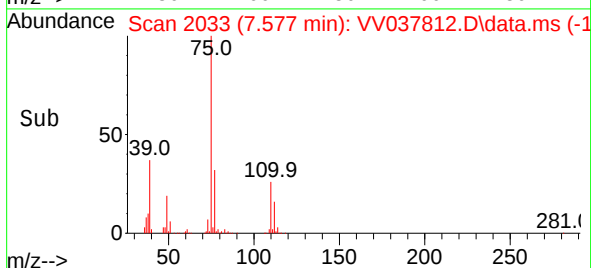
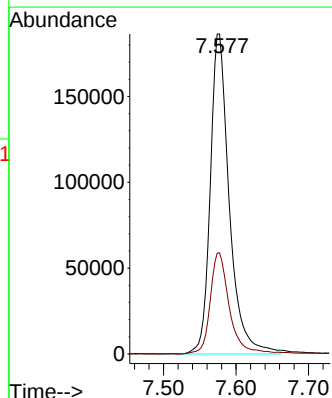
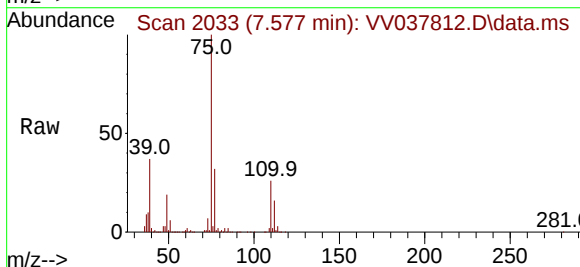
Acq: 10 Oct 2024 17:34

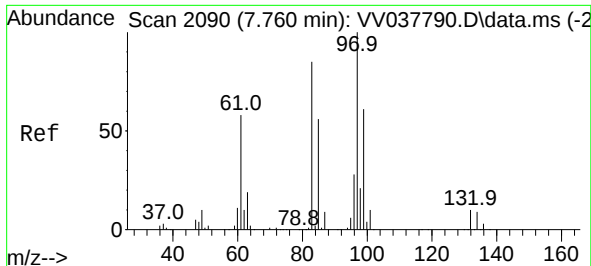
Tgt Ion: 75 Resp: 339762

Ion Ratio Lower Upper

75 100

77 31.6 21.9 40.7



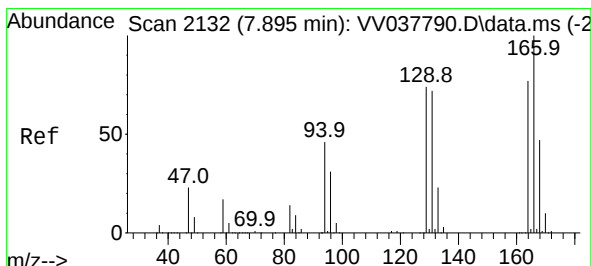
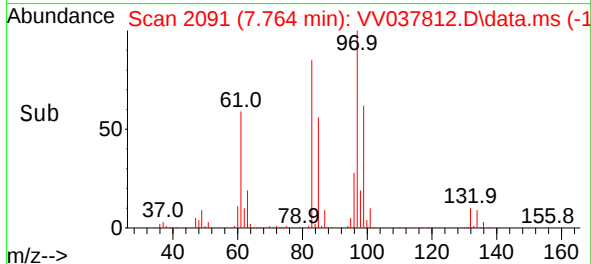
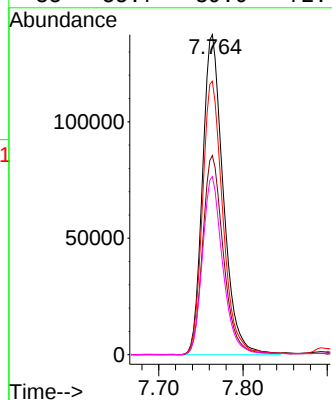
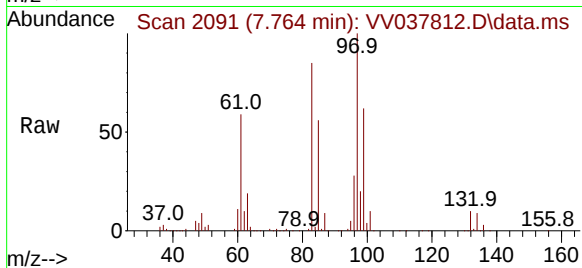


#45
1,1,2-Trichloroethane
Concen: 55.205 ug/L
RT: 7.764 min Scan# 2090
Delta R.T. 0.004 min
Lab File: VV037812.D
Acq: 10 Oct 2024 17:34

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 235957

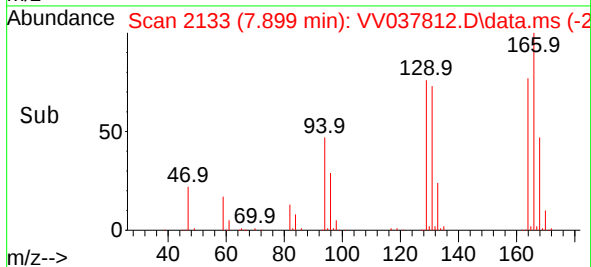
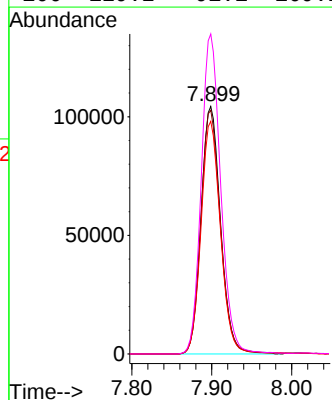
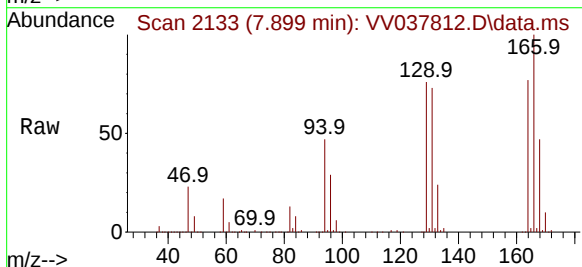
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.1	81.9
83	85.4	59.3	110.1
85	55.7	39.0	72.4

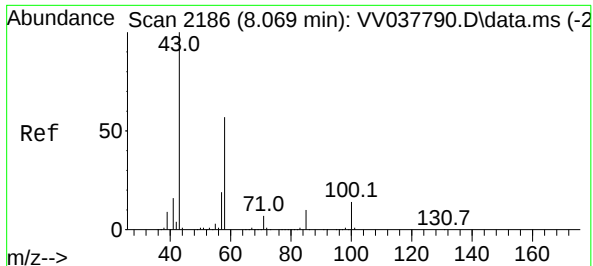


#46
Tetrachloroethene
Concen: 50.670 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. 0.003 min
Lab File: VV037812.D
Acq: 10 Oct 2024 17:34

Tgt Ion: 164 Resp: 177844

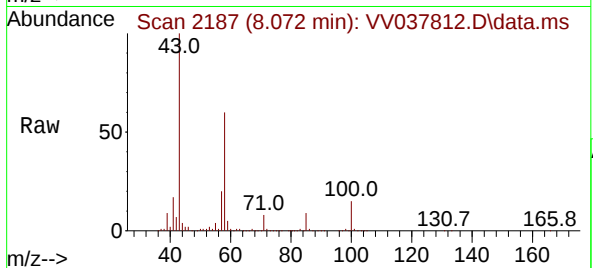
Ion	Ratio	Lower	Upper
164	100		
129	98.5	68.2	126.6
131	94.0	66.1	122.8
166	129.2	91.1	169.1



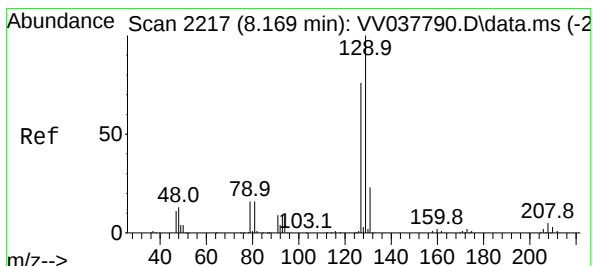
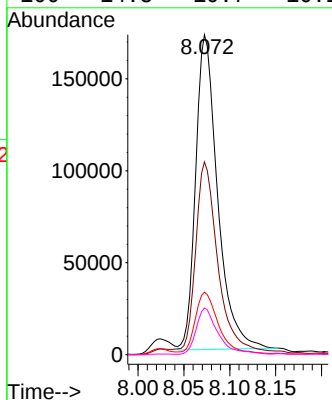
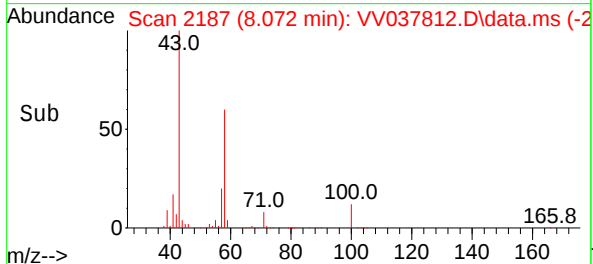


#48
2-Hexanone
Concen: 101.303 ug/L
RT: 8.072 min Scan# 2186
Delta R.T. 0.003 min
Lab File: VV037812.D
Acq: 10 Oct 2024 17:34

Instrument :
MSVOA_V
ClientSampleId :

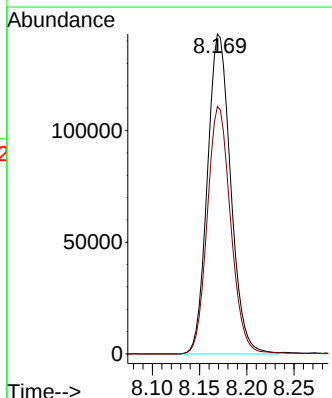
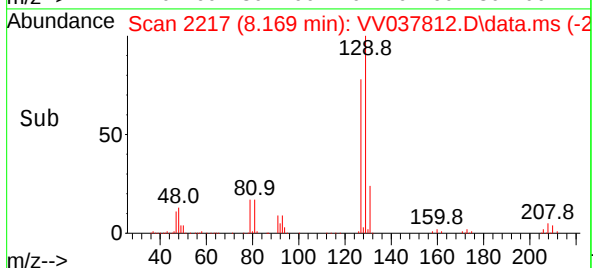
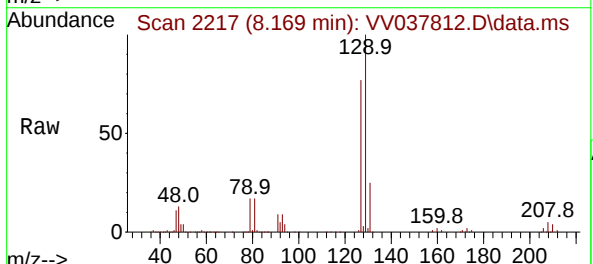


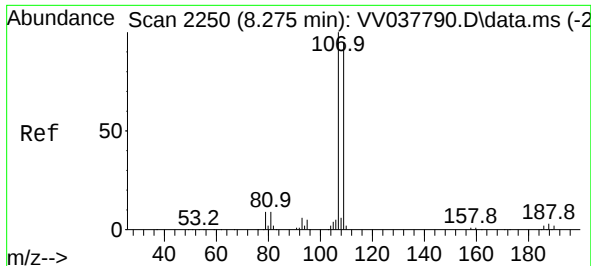
Tgt Ion: 43 Resp: 285491
Ion Ratio Lower Upper
43 100
58 60.4 46.5 69.7
57 20.6 15.1 22.7
100 14.8 10.7 16.1



#49
Dibromochloromethane
Concen: 54.344 ug/L
RT: 8.169 min Scan# 2217
Delta R.T. 0.000 min
Lab File: VV037812.D
Acq: 10 Oct 2024 17:34

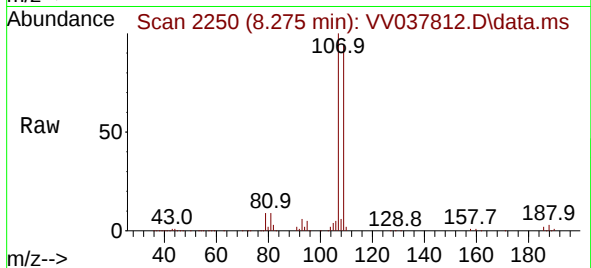
Tgt Ion: 129 Resp: 245834
Ion Ratio Lower Upper
129 100
127 77.3 54.9 101.9



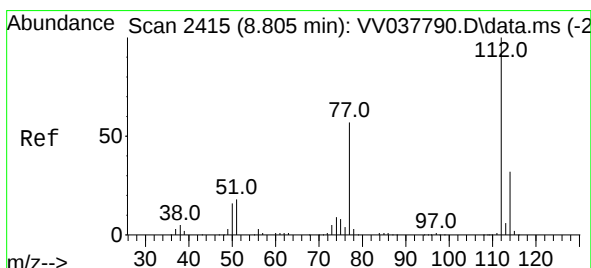
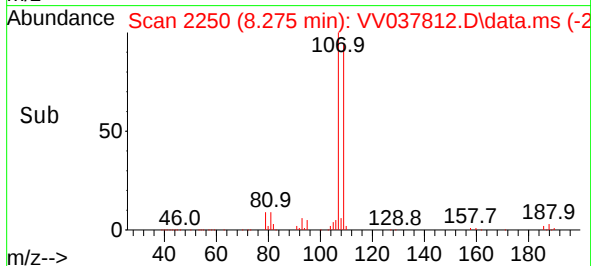
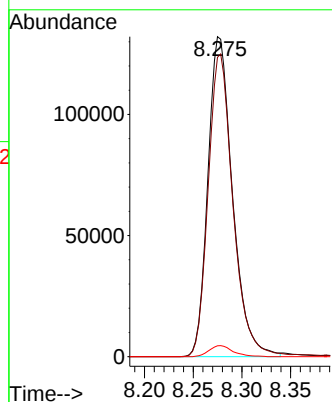


#50
1,2-Dibromoethane
Concen: 52.609 ug/L
RT: 8.275 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV037812.D
Acq: 10 Oct 2024 17:34

Instrument :
MSVOA_V
ClientSampleId :

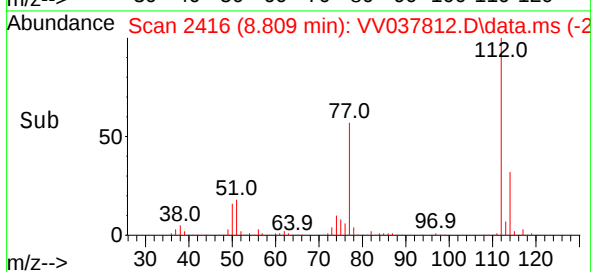
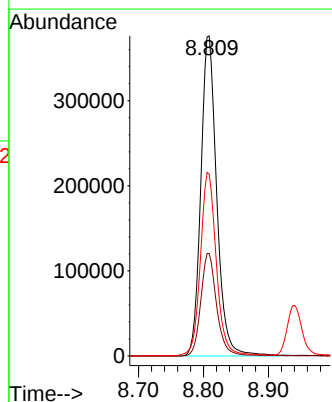
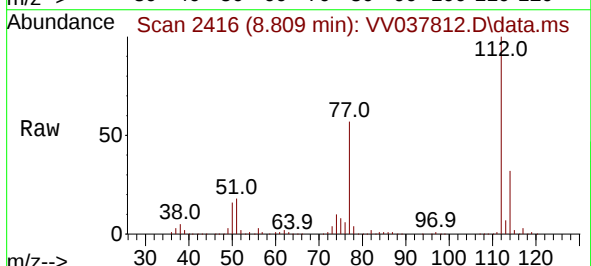


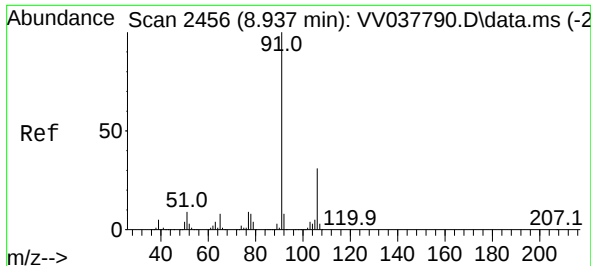
Tgt Ion:107 Resp: 232438
Ion Ratio Lower Upper
107 100
109 93.6 65.7 121.9
188 3.5 2.8 4.2



#51
Chlorobenzene
Concen: 52.734 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. 0.003 min
Lab File: VV037812.D
Acq: 10 Oct 2024 17:34

Tgt Ion:112 Resp: 642045
Ion Ratio Lower Upper
112 100
114 32.1 22.5 41.7
77 56.9 45.8 68.8





#52

Ethylbenzene

Concen: 52.831 ug/L

RT: 8.940 min Scan# 2456

Delta R.T. 0.003 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

Instrument :

MSVOA_V

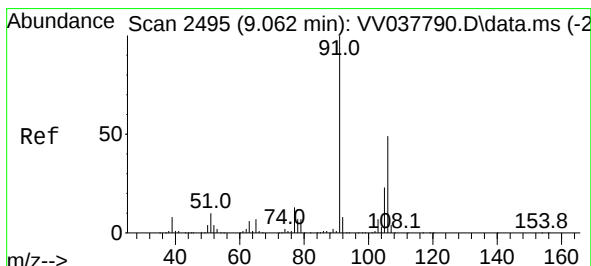
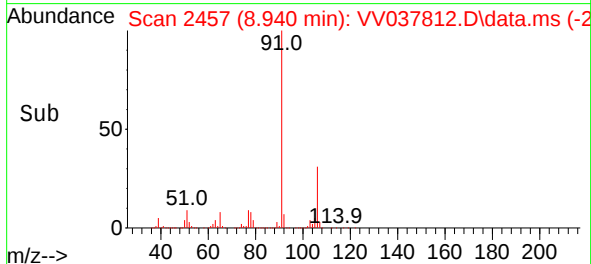
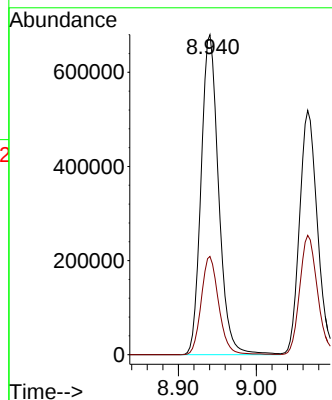
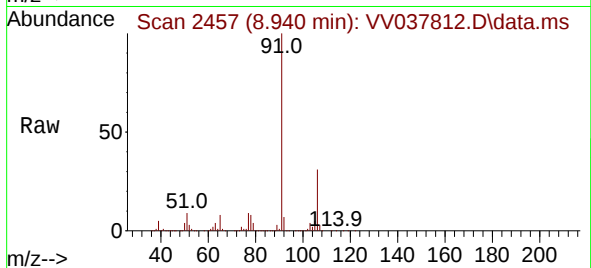
ClientSampleId :

Tgt Ion: 91 Resp: 1062734

Ion Ratio Lower Upper

91 100

106 30.7 21.9 40.7



#53

m,p-Xylene

Concen: 53.859 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. 0.004 min

Lab File: VV037812.D

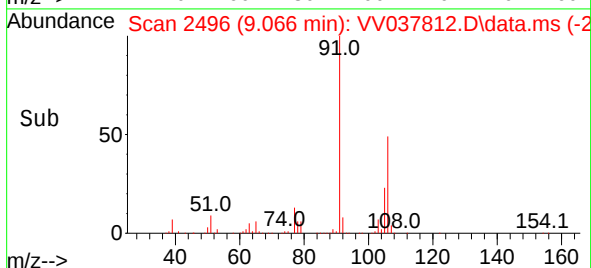
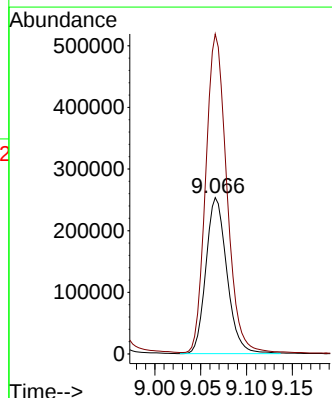
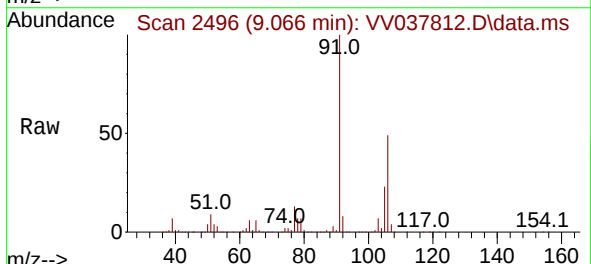
Acq: 10 Oct 2024 17:34

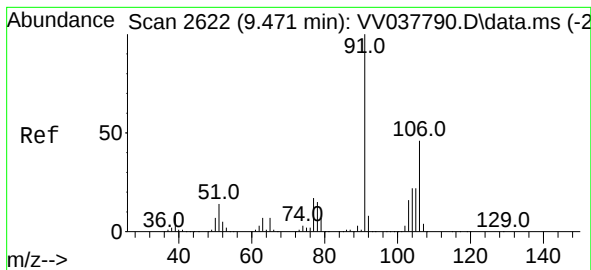
Tgt Ion:106 Resp: 403214

Ion Ratio Lower Upper

106 100

91 204.6 142.0 263.6





#54

o-Xylene

Concen: 53.521 ug/L

RT: 9.471 min Scan# 2

Delta R.T. 0.000 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

Instrument :

MSVOA_V

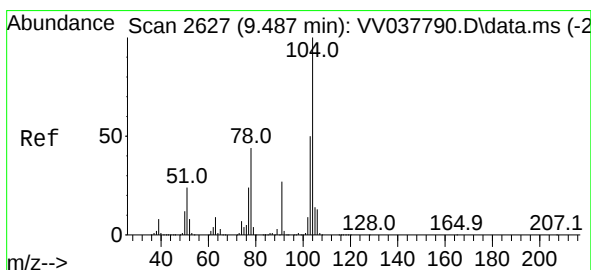
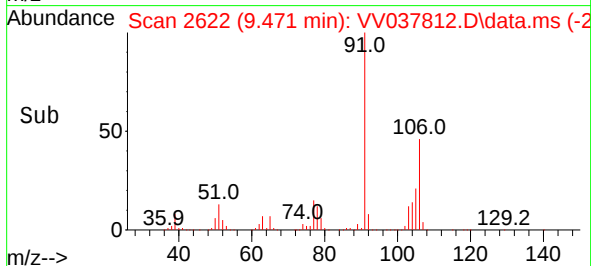
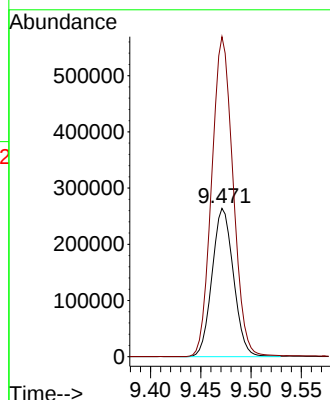
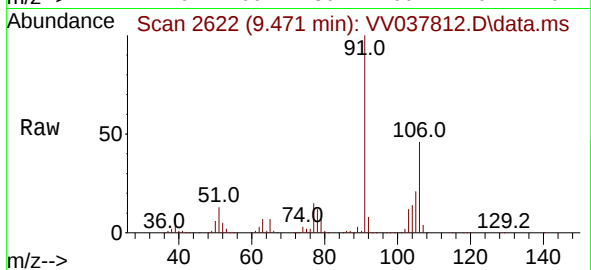
ClientSampleId :

Tgt Ion:106 Resp: 391181

Ion Ratio Lower Upper

106 100

91 215.7 153.9 285.9



#55

Styrene

Concen: 56.126 ug/L

RT: 9.490 min Scan# 2628

Delta R.T. 0.003 min

Lab File: VV037812.D

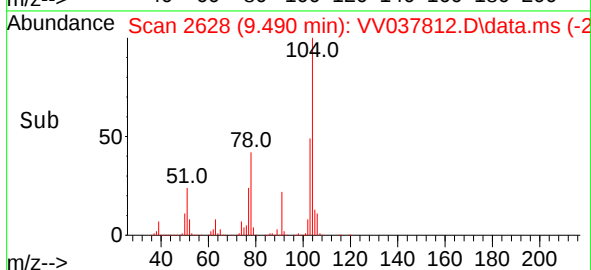
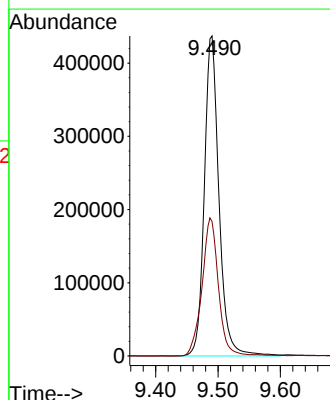
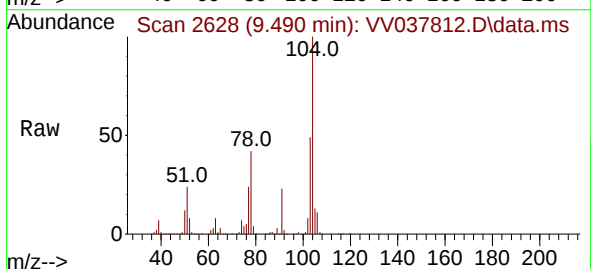
Acq: 10 Oct 2024 17:34

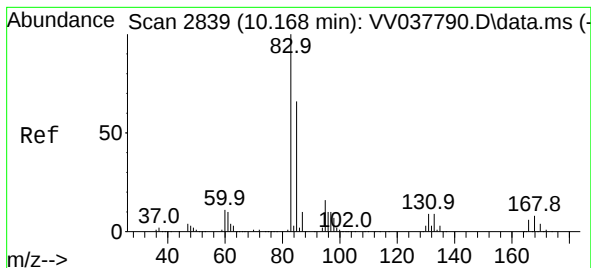
Tgt Ion:104 Resp: 714143

Ion Ratio Lower Upper

104 100

78 42.0 30.0 55.6





#57

1,1,2,2-Tetrachloroethane

Concen: 55.242 ug/L

RT: 10.169 min Scan# 2839

Delta R.T. 0.000 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

Instrument :

MSVOA_V

ClientSampleId :

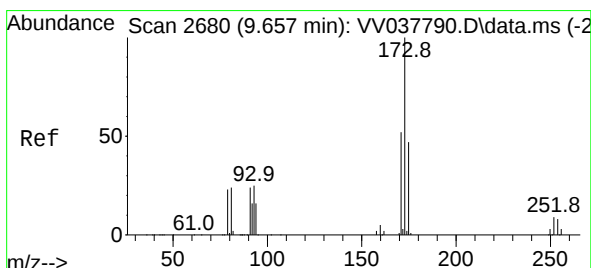
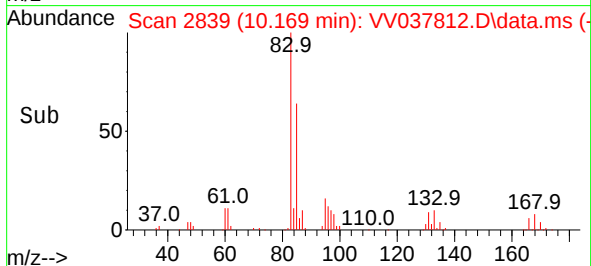
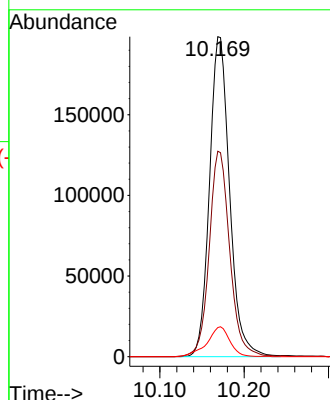
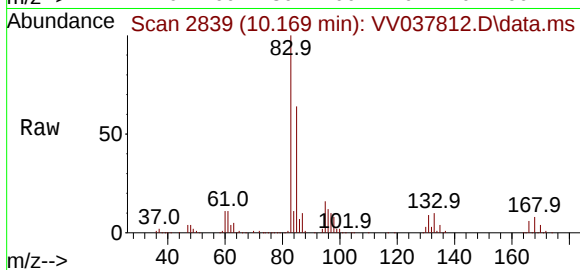
Tgt Ion: 83 Resp: 329195

Ion Ratio Lower Upper

83 100

85 64.2 45.9 85.3

131 9.1 7.9 11.9



#59

Bromoform

Concen: 53.119 ug/L

RT: 9.658 min Scan# 2680

Delta R.T. 0.000 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

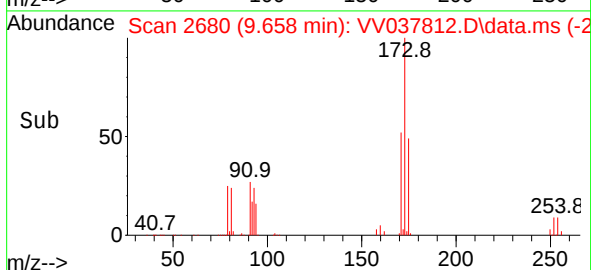
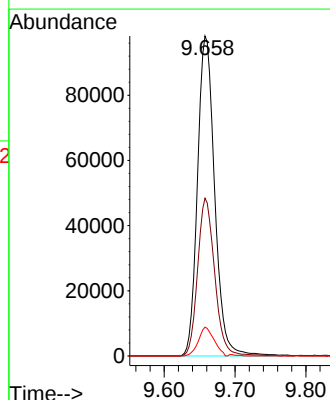
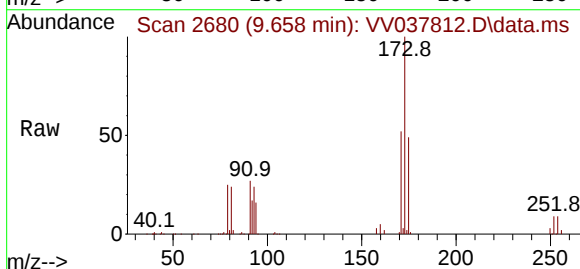
Tgt Ion: 173 Resp: 165326

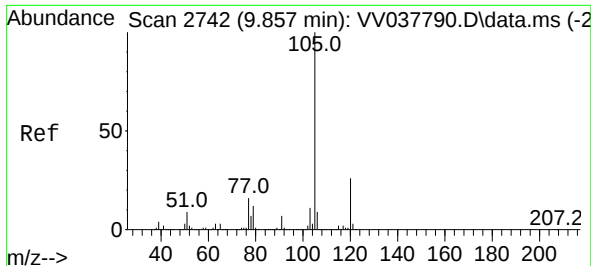
Ion Ratio Lower Upper

173 100

175 48.8 40.0 60.0

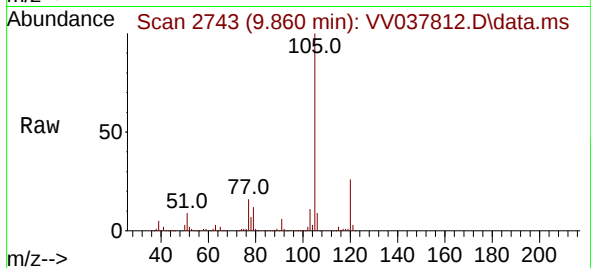
254 8.2 6.5 9.7



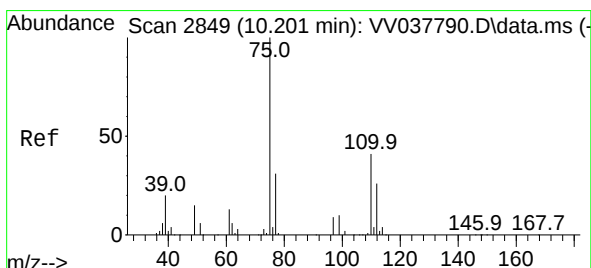
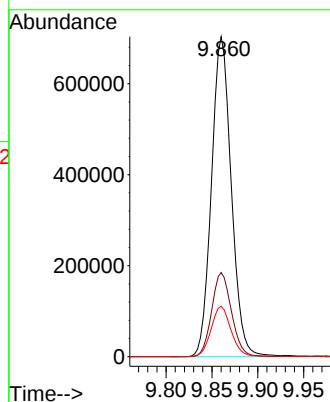
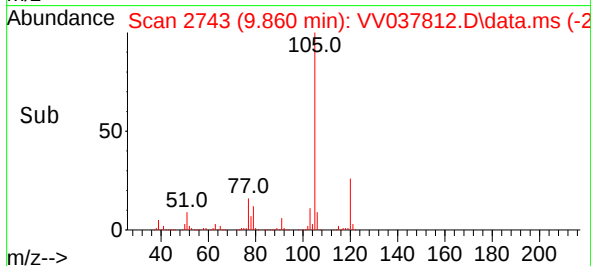


#60
Isopropylbenzene
Concen: 51.068 ug/L
RT: 9.860 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV037812.D
Acq: 10 Oct 2024 17:34

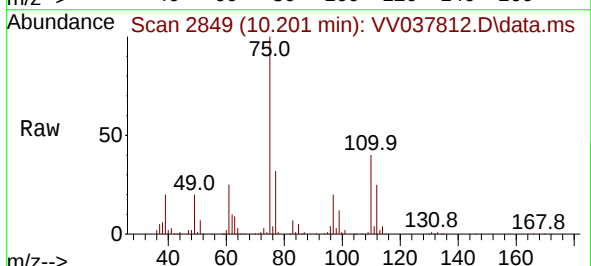
Instrument :
MSVOA_V
ClientSampleId :



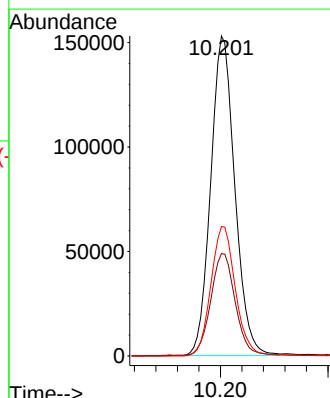
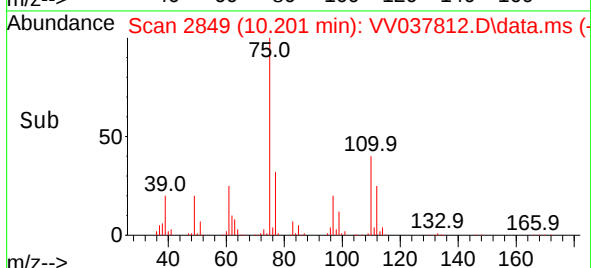
Tgt Ion:105 Resp: 1057283
Ion Ratio Lower Upper
105 100
120 26.3 20.7 31.1
77 15.7 12.2 18.2

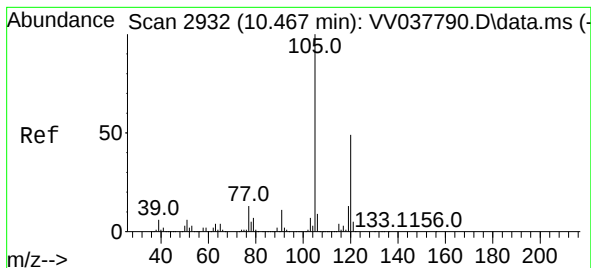


#61
1,2,3-Trichloropropane
Concen: 52.547 ug/L
RT: 10.201 min Scan# 2849
Delta R.T. 0.000 min
Lab File: VV037812.D
Acq: 10 Oct 2024 17:34



Tgt Ion: 75 Resp: 238108
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.0
110 41.0 31.7 47.5





#62

1,3,5-Trimethylbenzene

Concen: 51.898 ug/L

RT: 10.468 min Scan# 2932

Delta R.T. 0.000 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

Instrument :

MSVOA_V

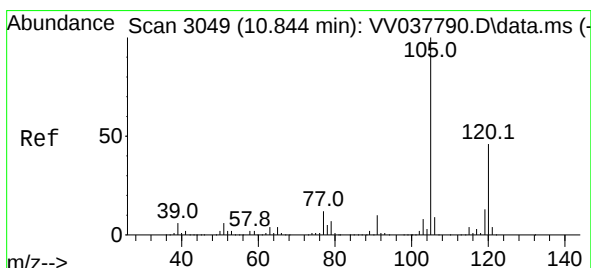
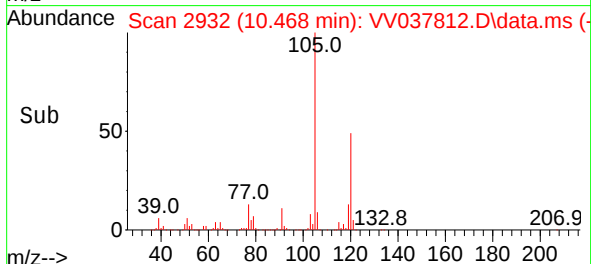
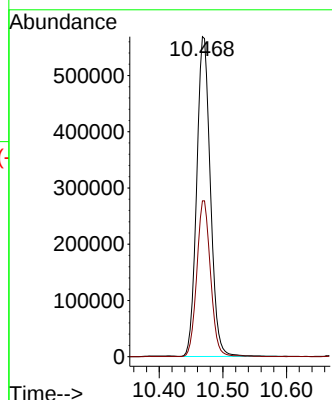
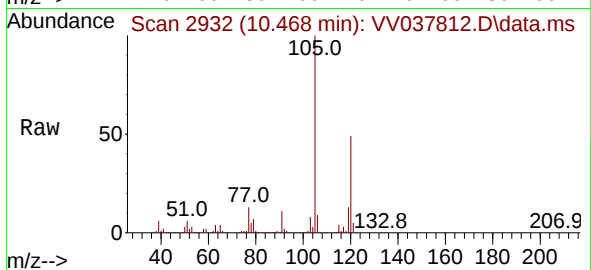
ClientSampleId :

Tgt Ion:105 Resp: 849467

Ion Ratio Lower Upper

105 100

120 48.8 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 52.055 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VV037812.D

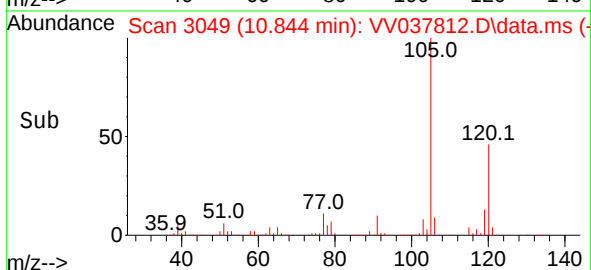
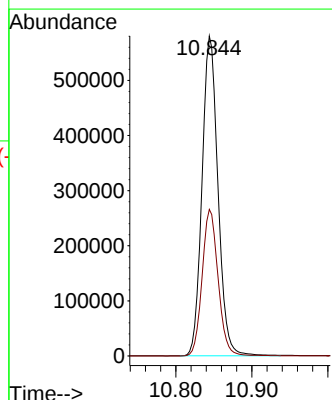
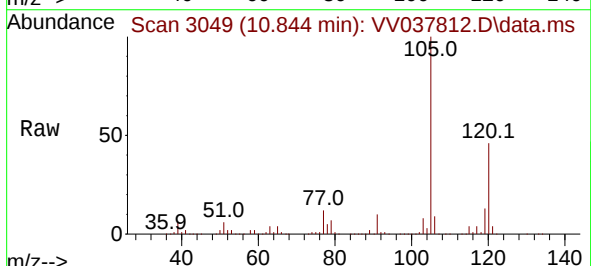
Acq: 10 Oct 2024 17:34

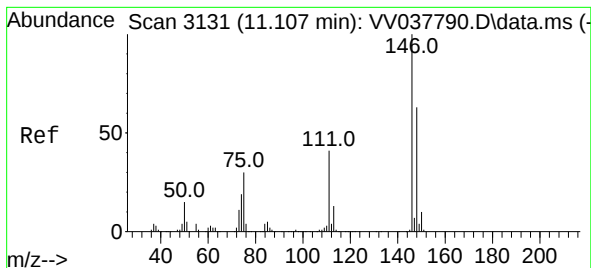
Tgt Ion:105 Resp: 847761

Ion Ratio Lower Upper

105 100

120 45.6 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 51.837 ug/L

RT: 11.111 min Scan# 3131

Delta R.T. 0.004 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

Instrument :

MSVOA_V

ClientSampleId :

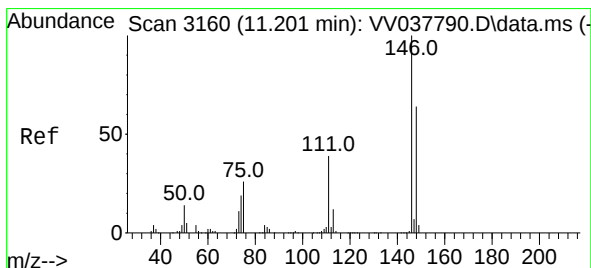
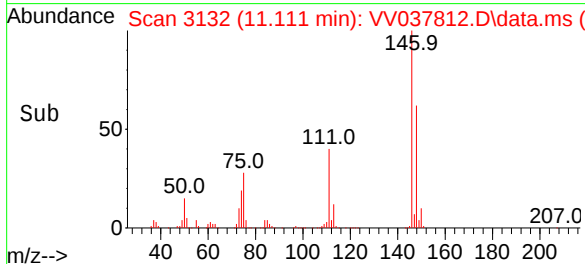
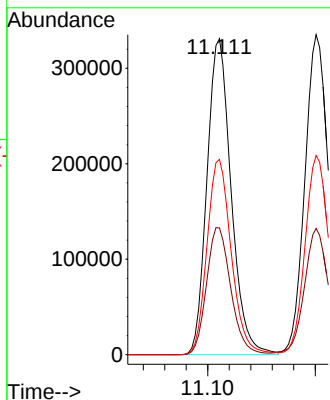
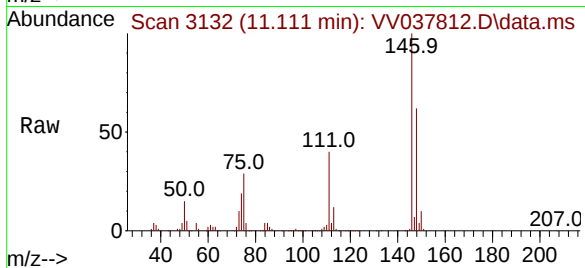
Tgt Ion:146 Resp: 516561

Ion Ratio Lower Upper

146 100

111 40.1 28.3 52.5

148 61.8 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 51.785 ug/L

RT: 11.201 min Scan# 3160

Delta R.T. 0.000 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

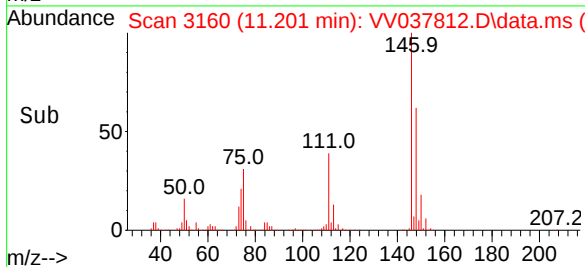
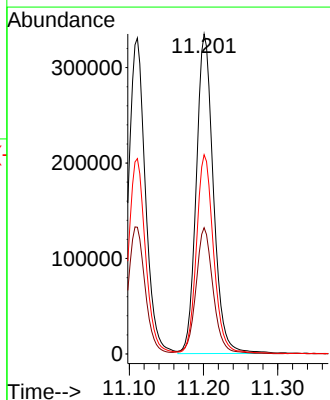
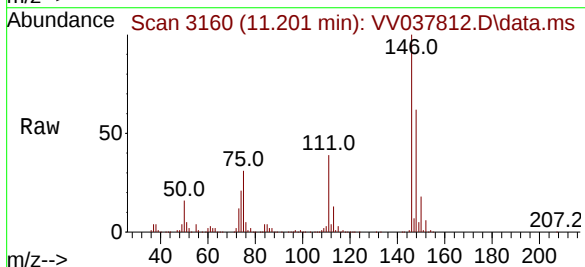
Tgt Ion:146 Resp: 537350

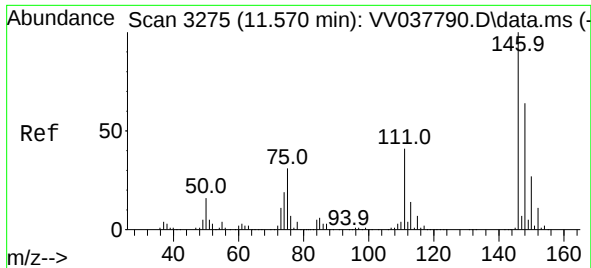
Ion Ratio Lower Upper

146 100

111 39.4 27.6 51.4

148 62.3 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 51.704 ug/L

RT: 11.571 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

Instrument :

MSVOA_V

ClientSampleId :

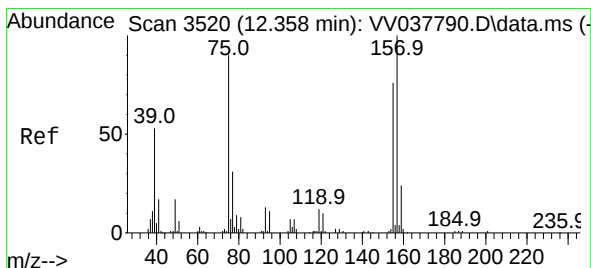
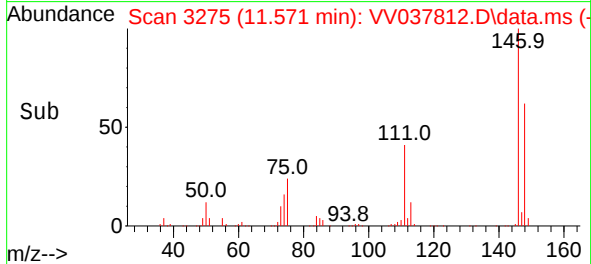
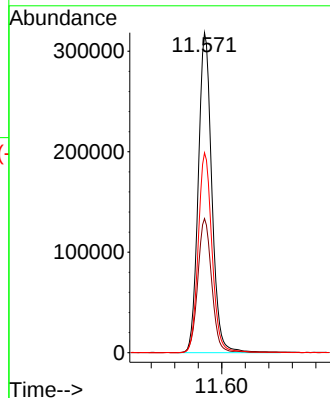
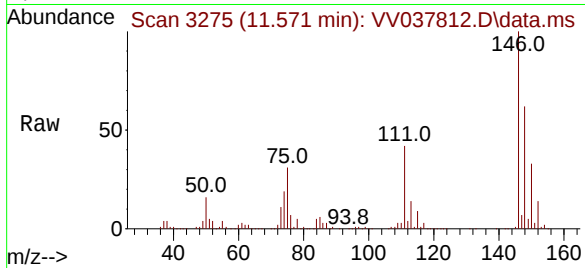
Tgt Ion:146 Resp: 509347

Ion Ratio Lower Upper

146 100

111 41.9 34.2 51.2

148 62.5 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 52.115 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. 0.000 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

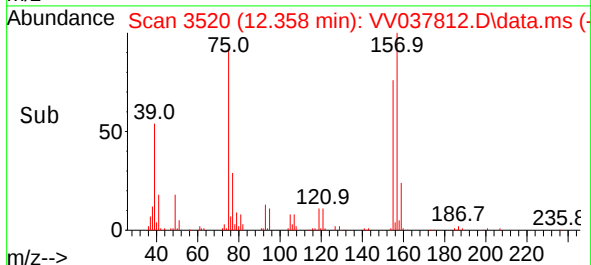
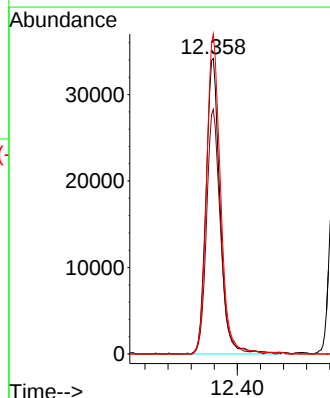
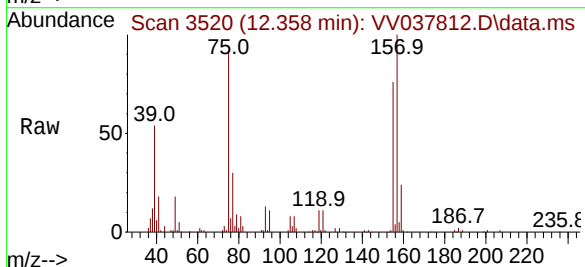
Tgt Ion: 75 Resp: 57324

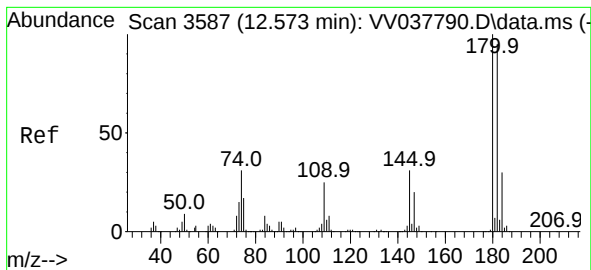
Ion Ratio Lower Upper

75 100

155 82.7 66.2 99.4

157 108.3 87.3 130.9





#69

1,3,5-Trichlorobenzene

Concen: 48.416 ug/L

RT: 12.574 min Scan# 3587

Delta R.T. 0.000 min

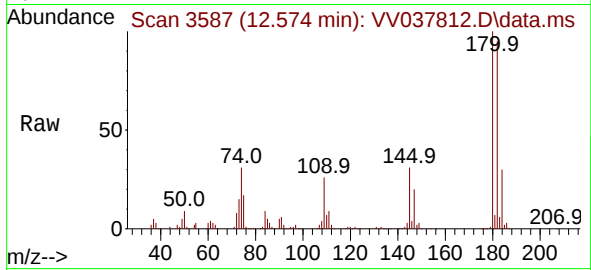
Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 331784

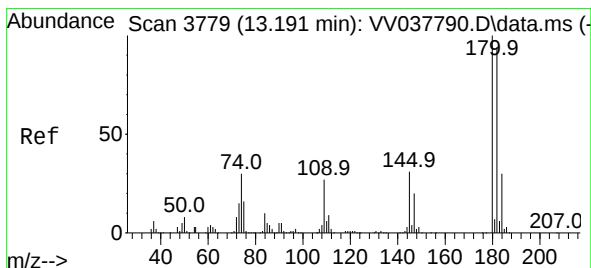
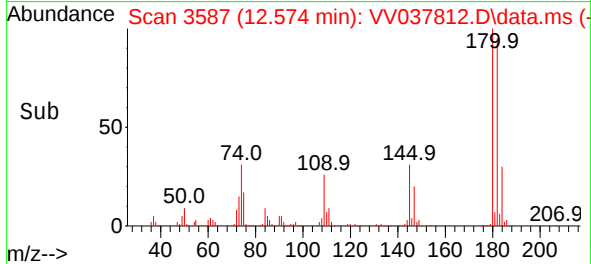
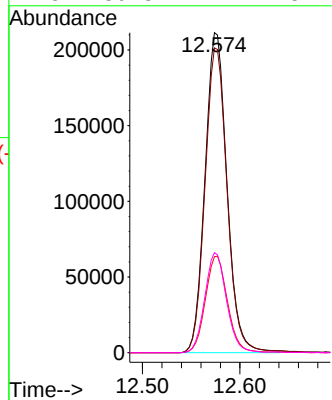
Ion Ratio Lower Upper

180 100

182 95.3 75.6 113.4

184 30.3 23.8 35.6

145 30.8 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 48.416 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. 0.000 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

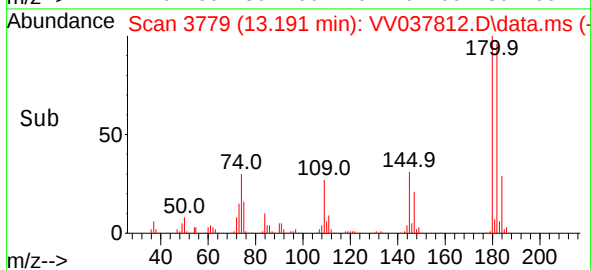
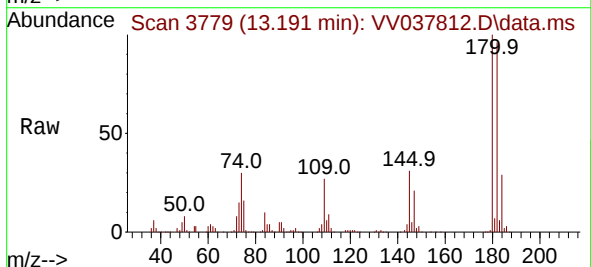
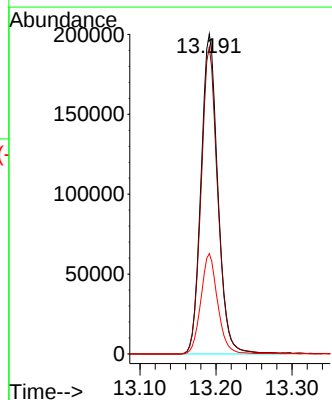
Tgt Ion:180 Resp: 307835

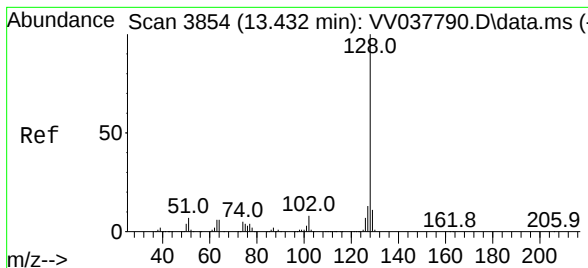
Ion Ratio Lower Upper

180 100

182 94.9 75.9 113.9

145 31.2 25.4 38.2





#71

Naphthalene

Concen: 52.326 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. 0.000 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

Instrument :

MSVOA_V

ClientSampleId :

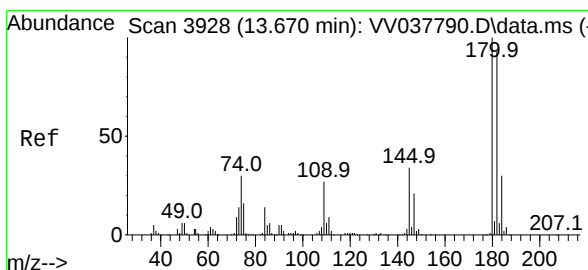
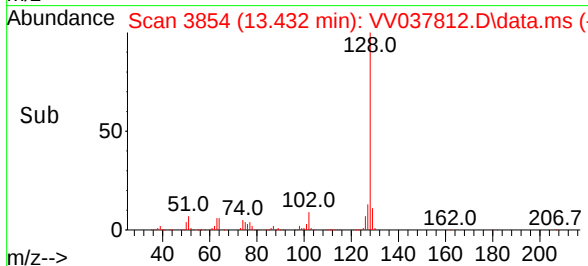
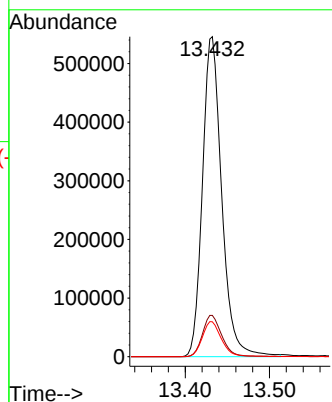
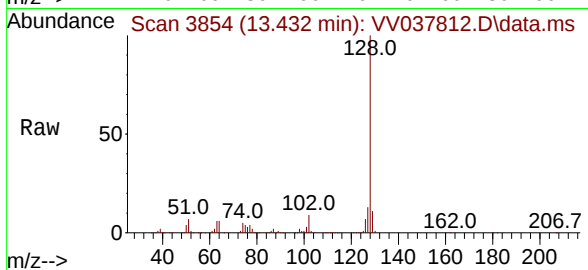
Tgt Ion:128 Resp: 869206

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 10.9 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 49.644 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. 0.003 min

Lab File: VV037812.D

Acq: 10 Oct 2024 17:34

Tgt Ion:180 Resp: 311698

Ion Ratio Lower Upper

180 100

182 95.8 75.8 113.8

145 34.3 26.2 39.4

