

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082224\
 Data File : VV037010.D
 Acq On : 23 Aug 2024 01:23
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_V/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 23 05:22:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 05:07:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	708722	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	658561	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	308514	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	153665	15.474	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.880%
7) Chloroethane-d5	1.532	69	160443	18.888	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.560%
11) 1,1-Dichloroethene-d2	2.056	65	84794	17.725	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.880%
21) 2-Butanone-d5	3.834	46	24375	13.235	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	26.480%
24) Chloroform-d	4.243	84	456752	22.869	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.480%
26) 1,2-Dichloroethane-d4	4.937	65	218648	23.799	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.200%
32) Benzene-d6	4.950	84	863217	21.874	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.480%
36) 1,2-Dichloropropane-d6	5.985	67	271509	22.725	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.880%
41) Toluene-d8	7.236	98	814800	22.652	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.600%
43) trans-1,3-Dichloroprop...	7.551	79	97394	23.365	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.440%
47) 2-Hexanone-d5	8.034	63	55426	52.447	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.900%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	149506	22.602	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.400%
66) 1,2-Dichlorobenzene-d4	11.554	152	257587	23.325	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.280%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	226974	20.505	ug/L	99
3) Chloromethane	1.217	50	294131	22.951	ug/L	98
5) Vinyl chloride	1.281	62	295670	23.295	ug/L	100
6) Bromomethane	1.487	94	202502	25.087	ug/L	99
8) Chloroethane	1.548	64	199875	24.932	ug/L	100
9) Trichlorofluoromethane	1.712	101	390694	23.313	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	234204	22.676	ug/L	99
12) 1,1-Dichloroethene	2.066	96	235802	24.514	ug/L	97
13) Acetone	2.159	43	86316	39.937	ug/L	89
14) Carbon disulfide	2.236	76	770023	24.176	ug/L	99
15) Methyl Acetate	2.384	43	96449	27.382	ug/L	99
16) Methylene chloride	2.442	84	340619	24.162	ug/L	98
17) trans-1,2-Dichloroethene	2.686	96	279849	26.579	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	627074	28.747	ug/L	99
19) 1,1-Dichloroethane	3.104	63	544388	26.561	ug/L	98
20) cis-1,2-Dichloroethene	3.805	96	306356	27.126	ug/L	97
22) 2-Butanone	3.915	43	107331	48.254	ug/L	99
23) Bromochloromethane	4.140	128	122158	27.256	ug/L	96
25) Chloroform	4.268	83	541873	27.047	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082224\
 Data File : VV037010.D
 Acq On : 23 Aug 2024 01:23
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_V/SOIL
 ALS Vial : 20 Sample Multiplier: 1

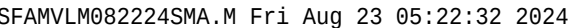
Instrument :
 MSVOA_V
 ClientSampleId :

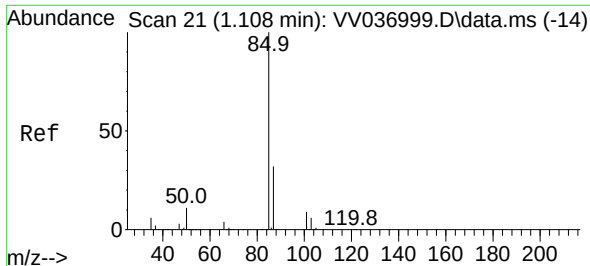
Quant Time: Aug 23 05:22:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 05:07:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	319862	29.196	ug/L	99
29) Cyclohexane	4.571	56	384834	22.526	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	432785	26.062	ug/L	99
31) Carbon tetrachloride	4.725	117	350572	25.014	ug/L	99
33) Benzene	5.001	78	1125198	26.209	ug/L	100
34) Trichloroethene	5.825	95	315557	26.037	ug/L	97
35) Methylcyclohexane	6.040	83	427937	22.837	ug/L	99
37) 1,2-Dichloropropane	6.088	63	279279	26.928	ug/L	100
38) Bromodichloromethane	6.429	83	361627	28.072	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	406291	26.829	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	241230	55.097	ug/L	98
42) Toluene	7.307	91	1203602	26.760	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	323242	28.052	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	183209	26.918	ug/L	99
46) Tetrachloroethene	7.898	164	204146	23.824	ug/L	95
48) 2-Hexanone	8.079	43	160930	49.060	ug/L	96
49) Dibromochloromethane	8.172	129	207750	27.745	ug/L	97
50) 1,2-Dibromoethane	8.278	107	170940	27.830	ug/L	98
51) Chlorobenzene	8.808	112	769925	26.806	ug/L	99
52) Ethylbenzene	8.940	91	1372450	27.062	ug/L	99
53) m,p-Xylene	9.066	106	509506	27.040	ug/L	96
54) o-Xylene	9.471	106	497744	27.653	ug/L	99
55) Styrene	9.490	104	835393	28.121	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.172	83	165659	26.291	ug/L	96
59) Bromoform	9.660	173	103662	29.668	ug/L	97
60) Isopropylbenzene	9.860	105	1341478	27.577	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	137830	27.704	ug/L	98
62) 1,3,5-Trimethylbenzene	10.467	105	1124998	28.248	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	1132954	29.186	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	572005	27.514	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	564407	27.180	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	503542	27.956	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	27580	28.368	ug/L	91
69) 1,3,5-Trichlorobenzene	12.577	180	396588	27.374	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	323480	27.901	ug/L	99
71) Naphthalene	13.432	128	535335	30.651	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	277722	28.931	ug/L	99

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

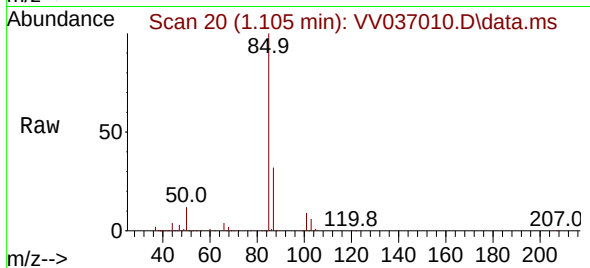
Quant Time: Aug 23 05:22:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 23 05:07:38 2024
Response via : Initial Calibration



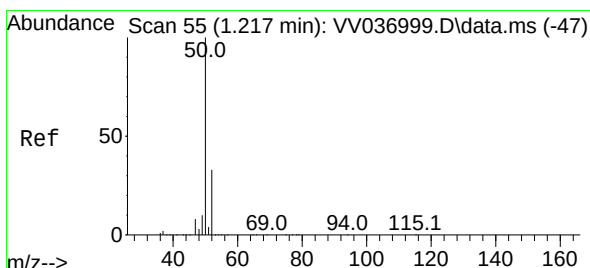
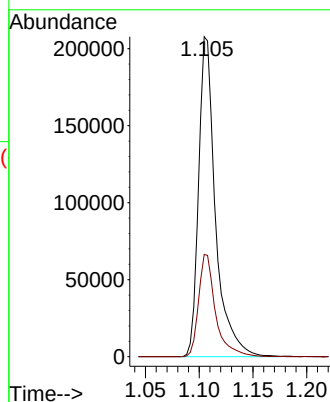
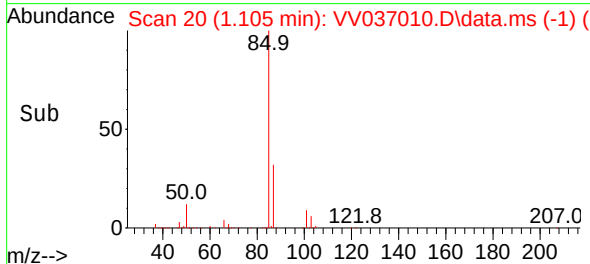


#2
 Dichlorodifluoromethane
 Concen: 20.505 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV037010.D
 Acq: 23 Aug 2024 01:23

Instrument :
 MSVOA_V
 ClientSampleId :

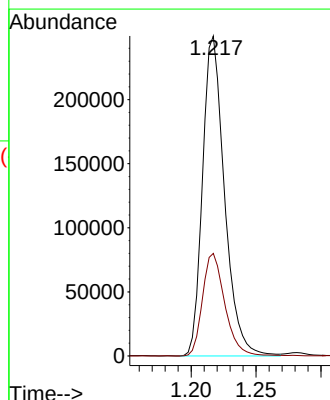
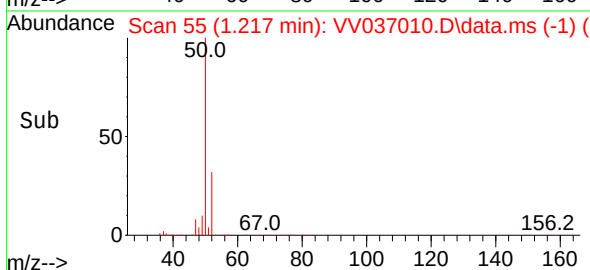
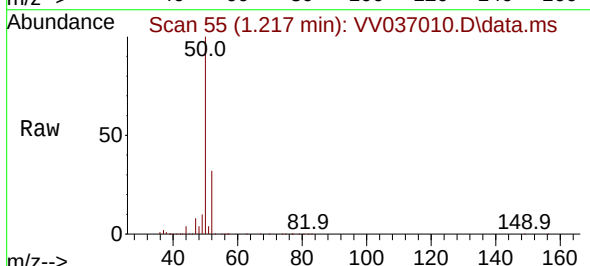


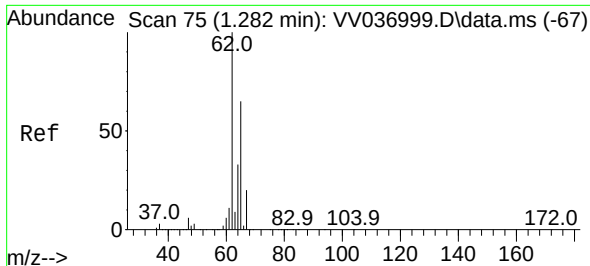
Tgt Ion: 85 Resp: 226974
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.1 39.1



#3
 Chloromethane
 Concen: 22.951 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV037010.D
 Acq: 23 Aug 2024 01:23

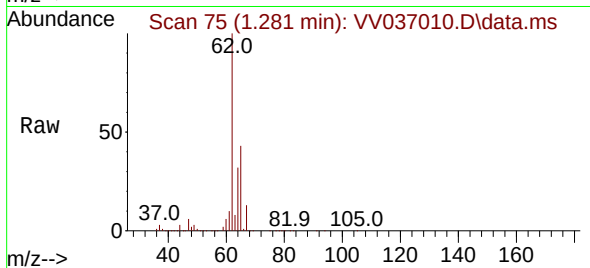
Tgt Ion: 50 Resp: 294131
 Ion Ratio Lower Upper
 50 100
 52 32.1 23.2 43.2



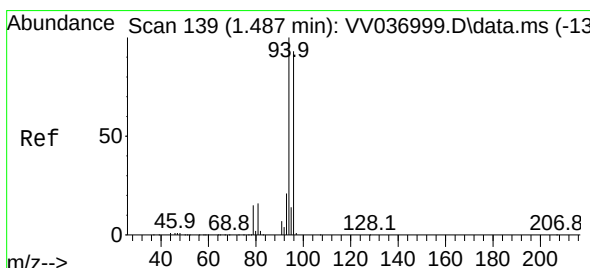
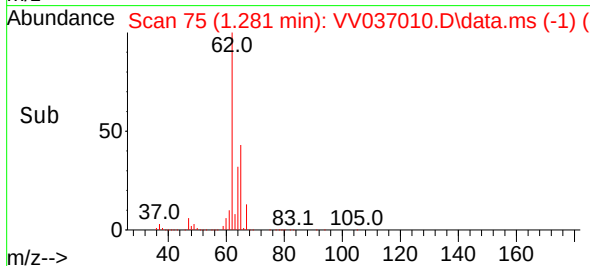
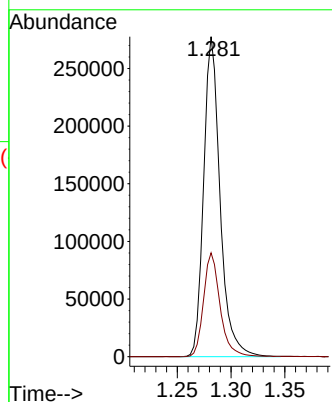


#5
 Vinyl chloride
 Concen: 23.295 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV037010.D
 Acq: 23 Aug 2024 01:23

Instrument :
 MSVOA_V
 ClientSampleId :

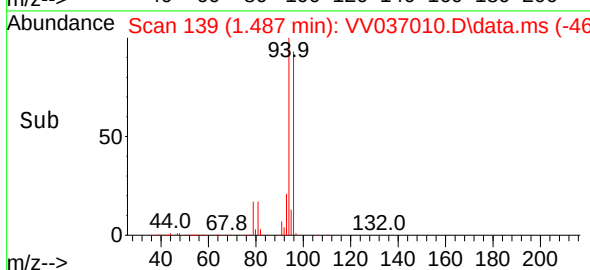
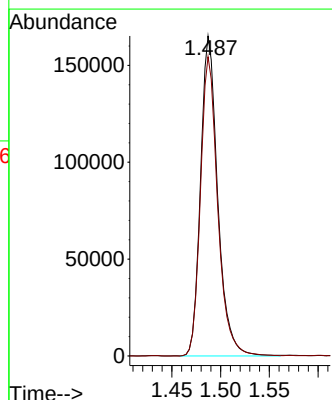
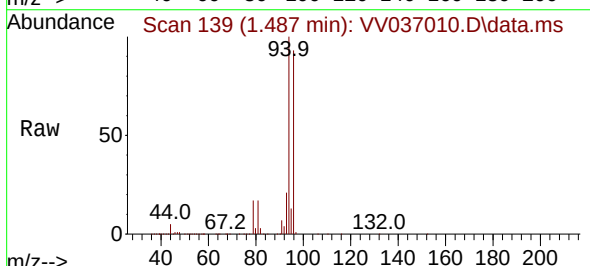


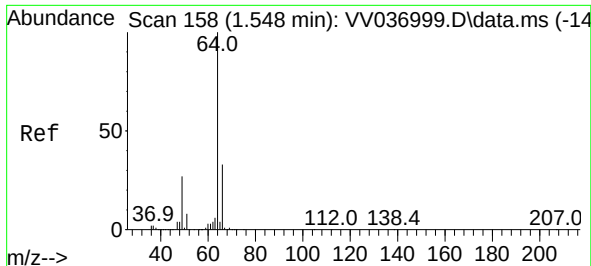
Tgt Ion: 62 Resp: 295670
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.8 42.4



#6
 Bromomethane
 Concen: 25.087 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV037010.D
 Acq: 23 Aug 2024 01:23

Tgt Ion: 94 Resp: 202502
 Ion Ratio Lower Upper
 94 100
 96 93.5 65.0 120.6

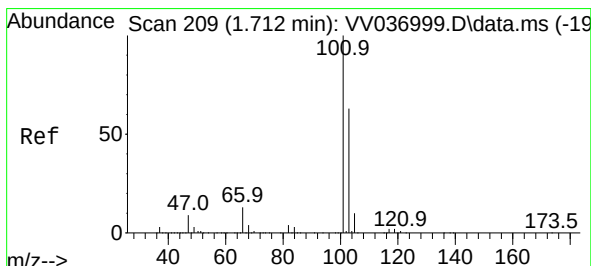
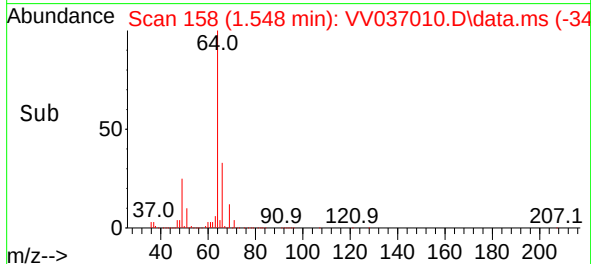
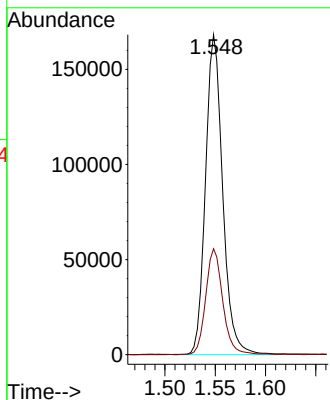
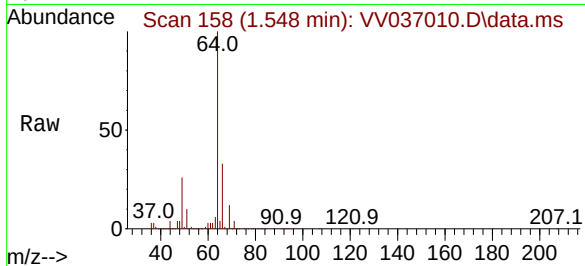




#8
Chloroethane
Concen: 24.932 ug/L
RT: 1.548 min Scan# 158
Delta R.T. -0.000 min
Lab File: VV037010.D
Acq: 23 Aug 2024 01:23

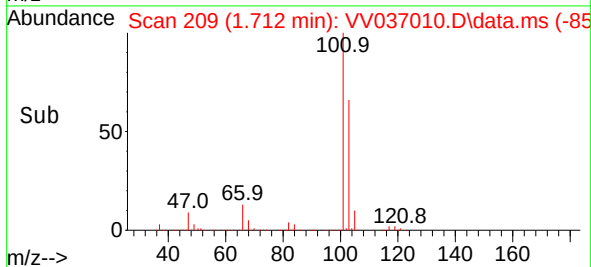
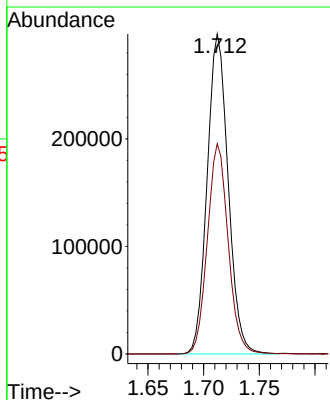
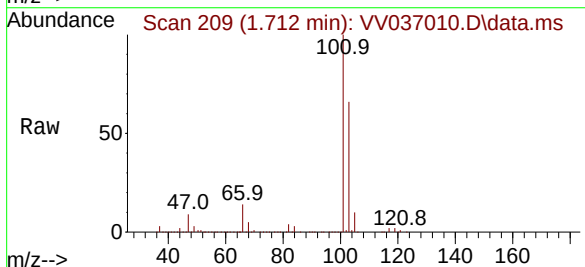
Instrument :
MSVOA_V
ClientSampleId :

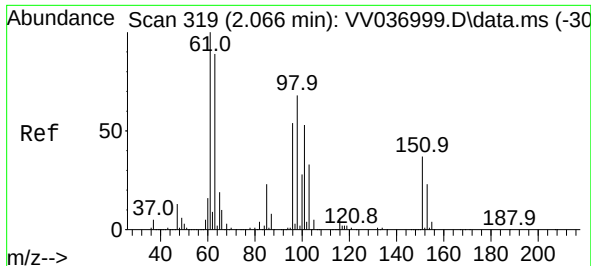
Tgt Ion: 64 Resp: 199875
Ion Ratio Lower Upper
64 100
66 33.1 23.2 43.0



#9
Trichlorofluoromethane
Concen: 23.313 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV037010.D
Acq: 23 Aug 2024 01:23

Tgt Ion:101 Resp: 390694
Ion Ratio Lower Upper
101 100
103 65.0 51.0 76.6

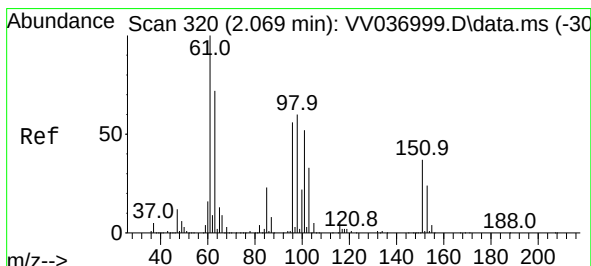
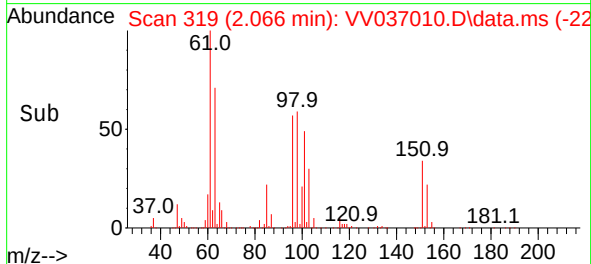
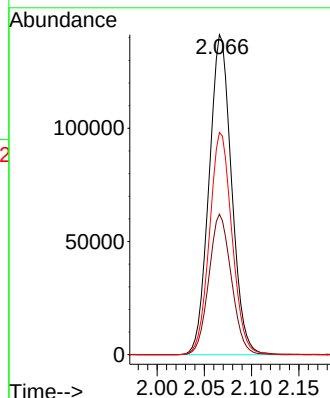
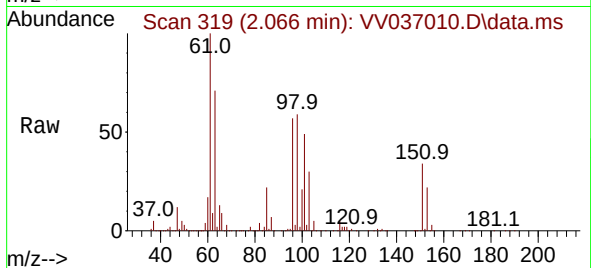




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 22.676 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.000 min
 Lab File: VV037010.D
 Acq: 23 Aug 2024 01:23

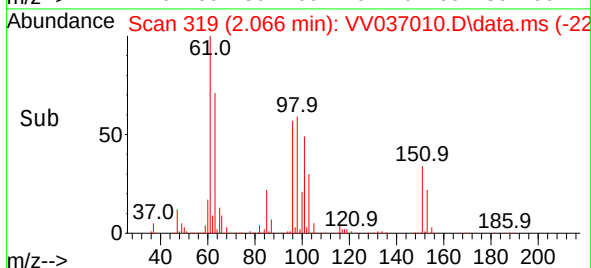
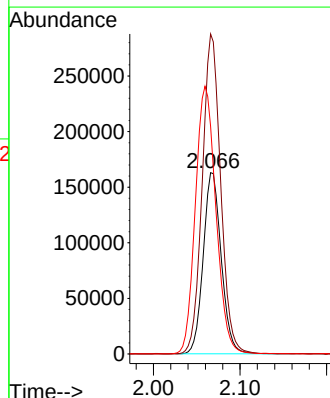
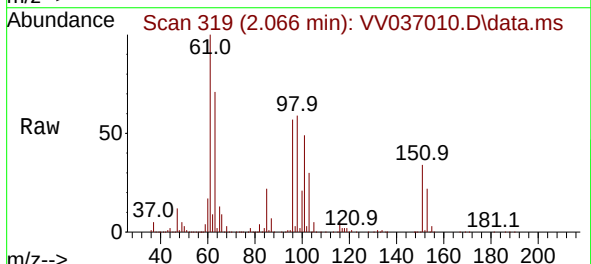
Instrument :
 MSVOA_V
 ClientSampleId :

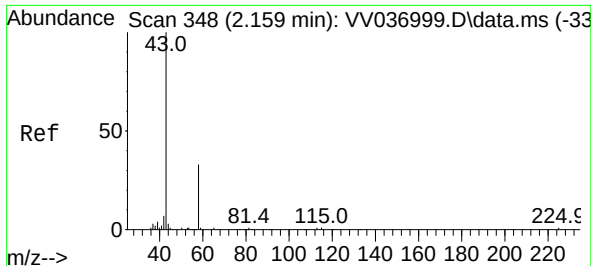
Tgt Ion:101 Resp: 234204
 Ion Ratio Lower Upper
 101 100
 85 43.9 35.6 53.4
 151 69.6 56.3 84.5



#12
 1,1-Dichloroethene
 Concen: 24.514 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.003 min
 Lab File: VV037010.D
 Acq: 23 Aug 2024 01:23

Tgt Ion: 96 Resp: 235802
 Ion Ratio Lower Upper
 96 100
 61 176.6 126.0 234.0
 63 125.6 91.0 169.0





#13

Acetone

Concen: 39.937 ug/L

RT: 2.159 min Scan# 348

Delta R.T. 0.000 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

Instrument :

MSVOA_V

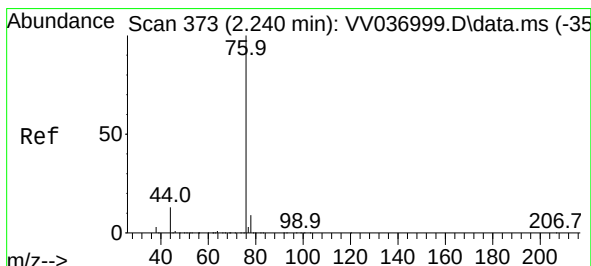
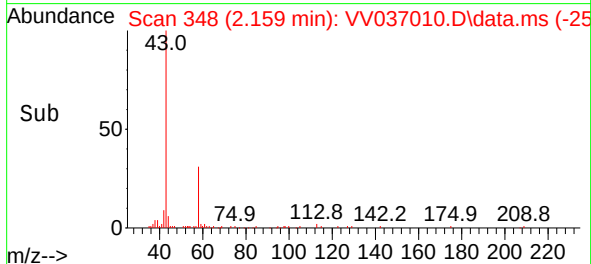
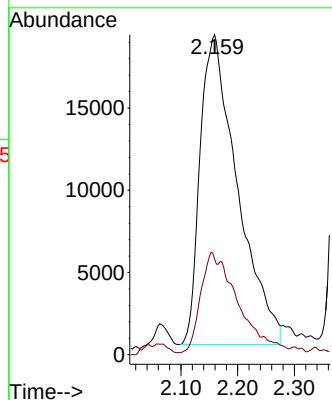
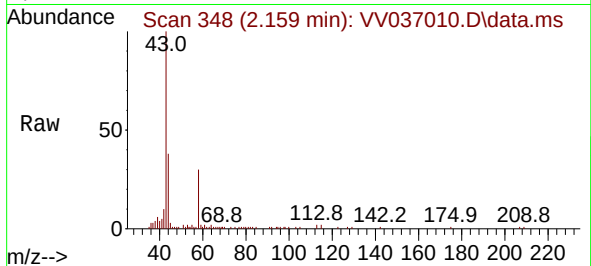
ClientSampleId :

Tgt Ion: 43 Resp: 86316

Ion Ratio Lower Upper

43 100

58 14.6 0.0 21.2



#14

Carbon disulfide

Concen: 24.176 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.003 min

Lab File: VV037010.D

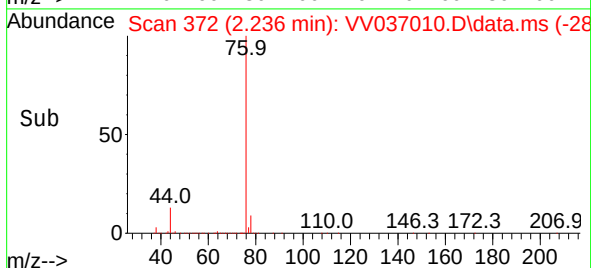
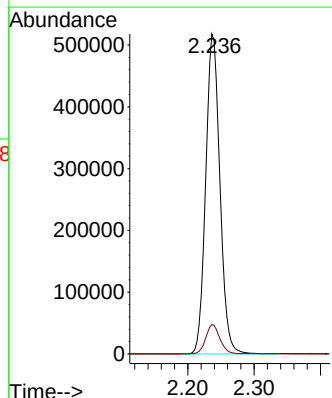
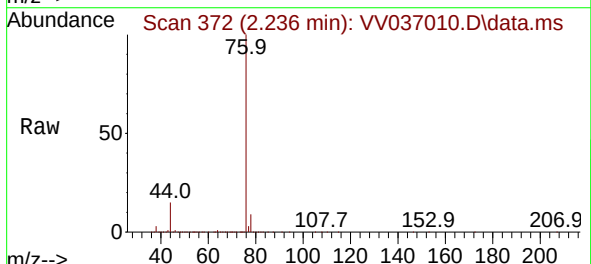
Acq: 23 Aug 2024 01:23

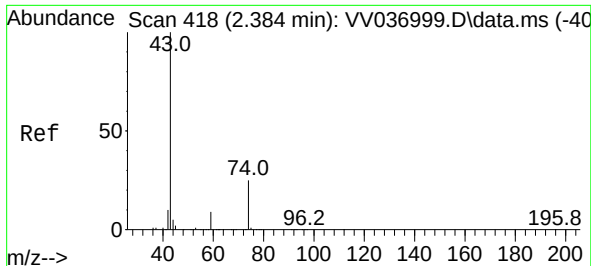
Tgt Ion: 76 Resp: 770023

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

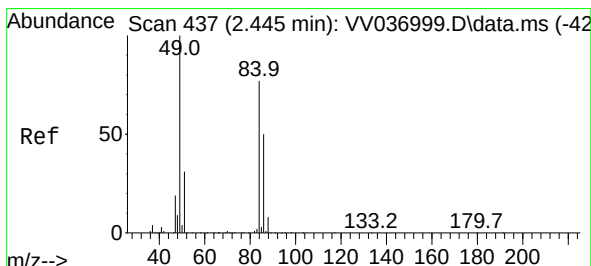
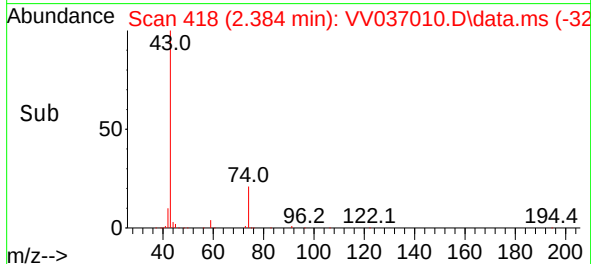
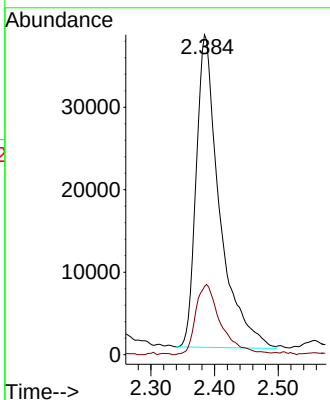
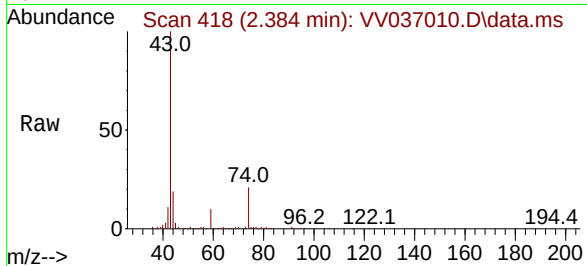




#15
Methyl Acetate
Concen: 27.382 ug/L
RT: 2.384 min Scan# 418
Delta R.T. 0.000 min
Lab File: VV037010.D
Acq: 23 Aug 2024 01:23

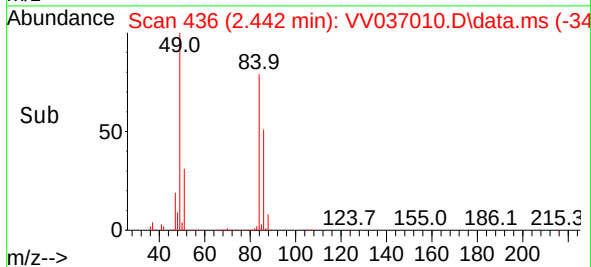
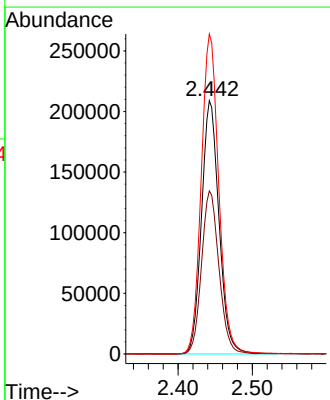
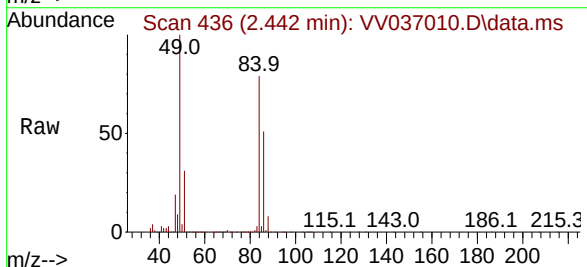
Instrument :
MSVOA_V
ClientSampleId :

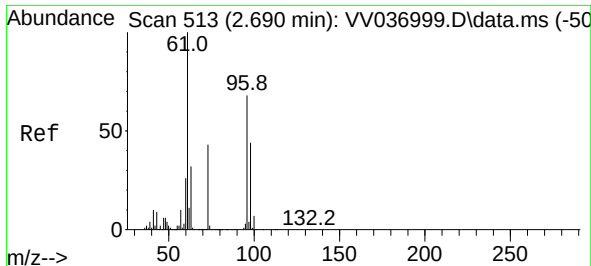
Tgt Ion: 43 Resp: 96449
Ion Ratio Lower Upper
43 100
74 24.1 19.6 29.4



#16
Methylene chloride
Concen: 24.162 ug/L
RT: 2.442 min Scan# 436
Delta R.T. -0.003 min
Lab File: VV037010.D
Acq: 23 Aug 2024 01:23

Tgt Ion: 84 Resp: 340619
Ion Ratio Lower Upper
84 100
86 64.3 45.4 84.2
49 126.3 91.2 169.4





#17

trans-1,2-Dichloroethene

Concen: 26.579 ug/L

RT: 2.686 min Scan# 513

Delta R.T. -0.003 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

Instrument :

MSVOA_V

ClientSampleId :

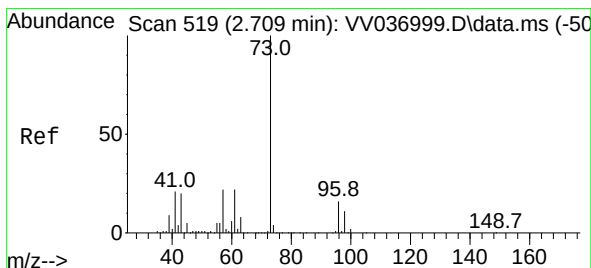
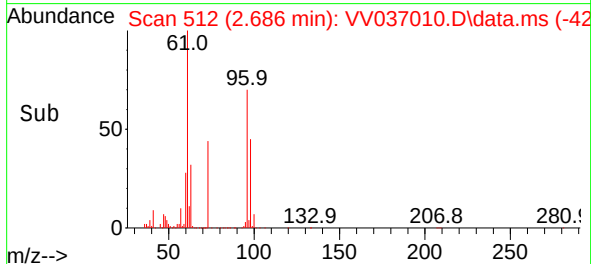
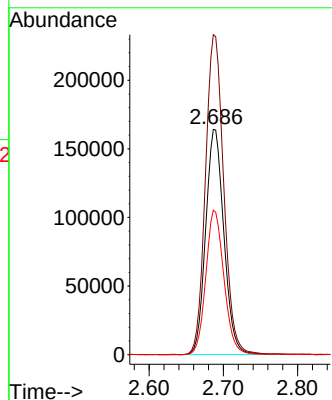
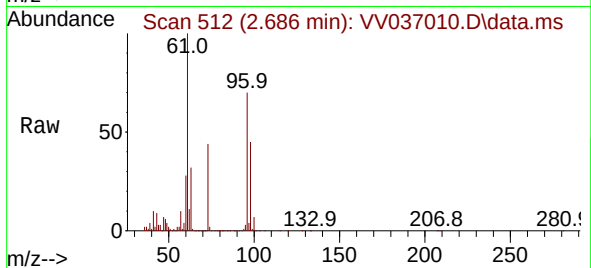
Tgt Ion: 96 Resp: 279849

Ion Ratio Lower Upper

96 100

61 142.0 103.3 191.9

98 64.1 45.0 83.6



#18

Methyl tert-butyl Ether

Concen: 28.747 ug/L

RT: 2.706 min Scan# 518

Delta R.T. -0.003 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

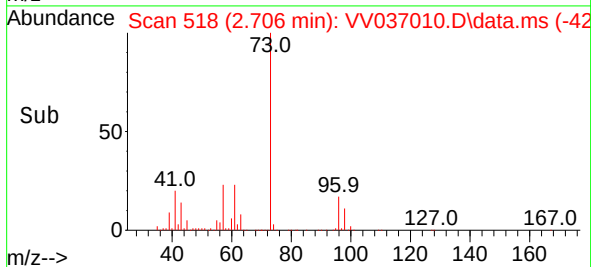
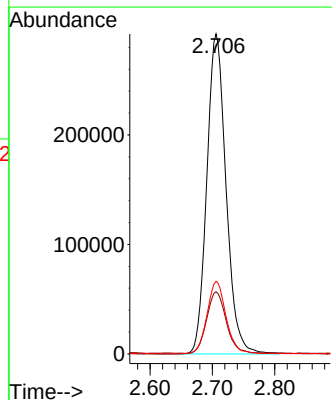
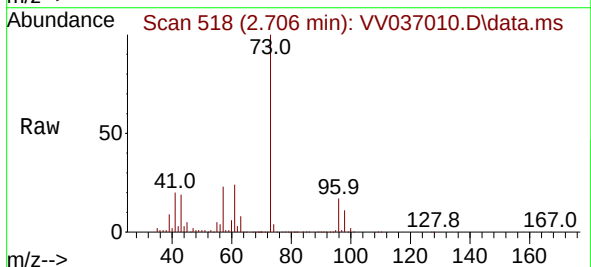
Tgt Ion: 73 Resp: 627074

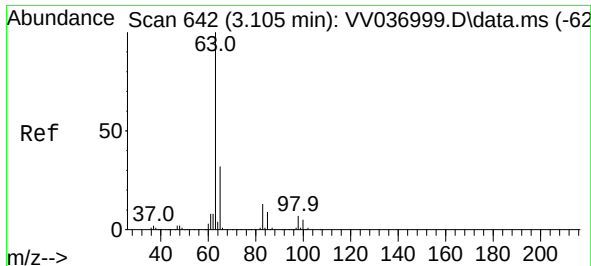
Ion Ratio Lower Upper

73 100

43 19.5 15.9 23.9

57 22.4 17.6 26.4

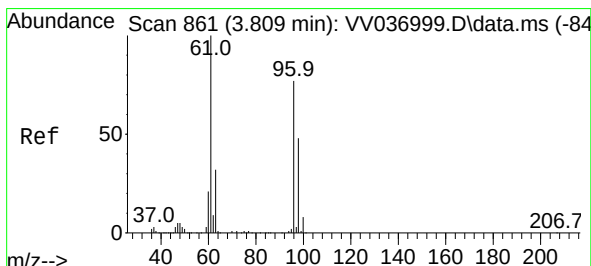
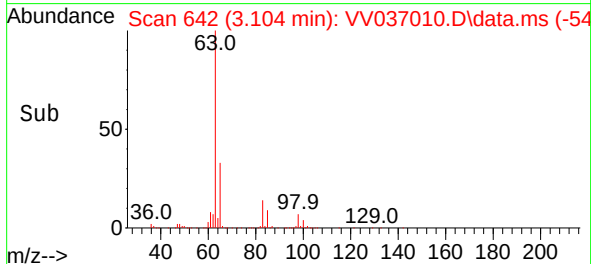
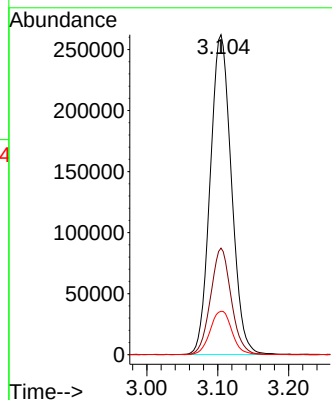
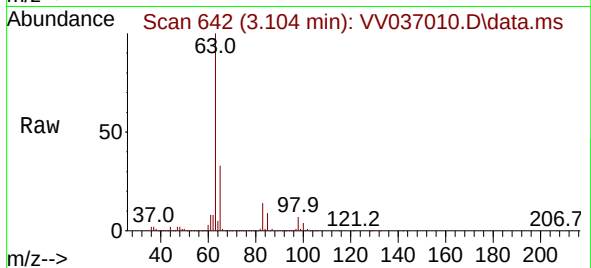




#19
1,1-Dichloroethane
Concen: 26.561 ug/L
RT: 3.104 min Scan# 64
Delta R.T. -0.000 min
Lab File: VV037010.D
Acq: 23 Aug 2024 01:23

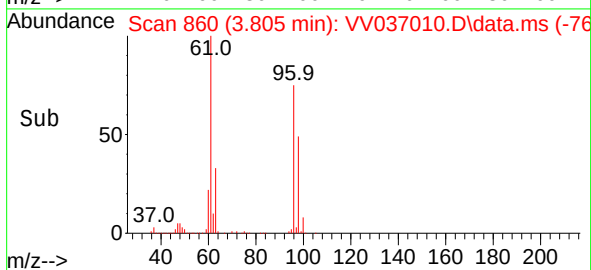
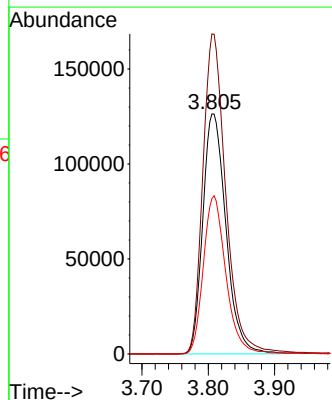
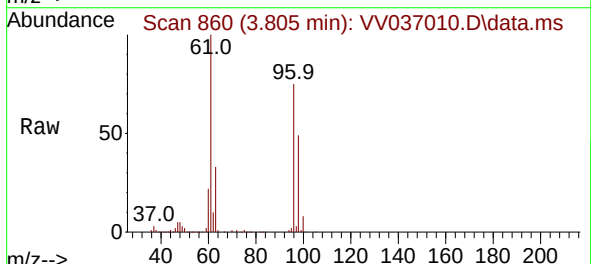
Instrument :
MSVOA_V
ClientSampleId :

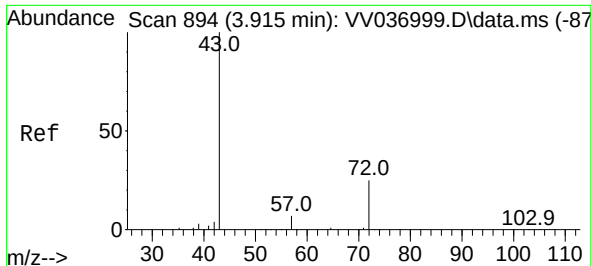
Tgt Ion: 63 Resp: 544388
Ion Ratio Lower Upper
63 100
65 33.3 22.3 41.3
83 13.5 9.0 16.6



#20
cis-1,2-Dichloroethene
Concen: 27.126 ug/L
RT: 3.805 min Scan# 860
Delta R.T. -0.003 min
Lab File: VV037010.D
Acq: 23 Aug 2024 01:23

Tgt Ion: 96 Resp: 306356
Ion Ratio Lower Upper
96 100
61 133.3 91.0 169.0
98 64.7 43.8 81.3





#22

2-Butanone

Concen: 48.254 ug/L

RT: 3.915 min Scan# 894

Delta R.T. -0.000 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

Instrument :

MSVOA_V

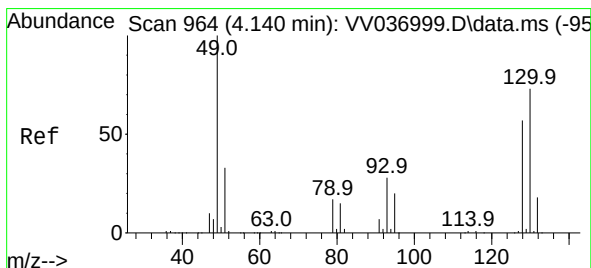
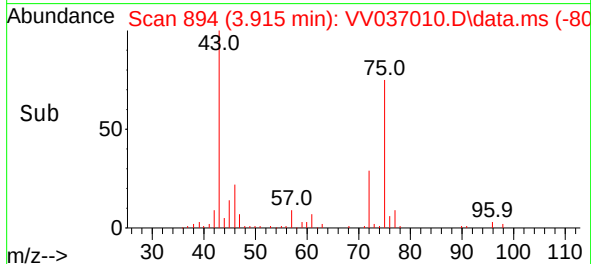
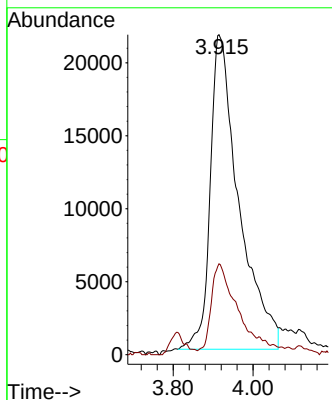
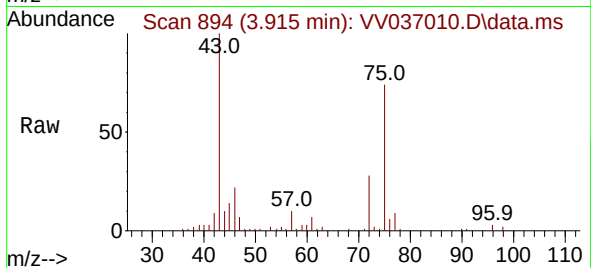
ClientSampleId :

Tgt Ion: 43 Resp: 107331

Ion Ratio Lower Upper

43 100

72 22.0 10.7 32.1



#23

Bromochloromethane

Concen: 27.256 ug/L

RT: 4.140 min Scan# 964

Delta R.T. -0.000 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

Tgt Ion:128 Resp: 122158

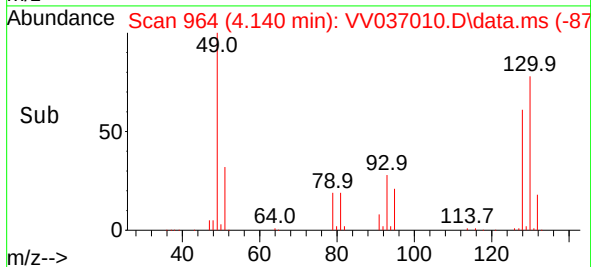
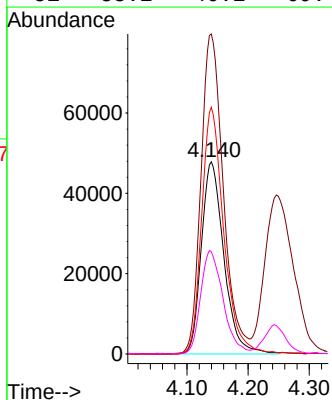
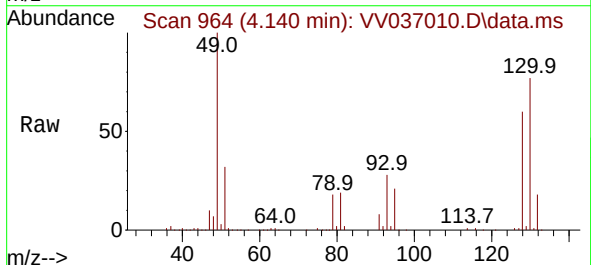
Ion Ratio Lower Upper

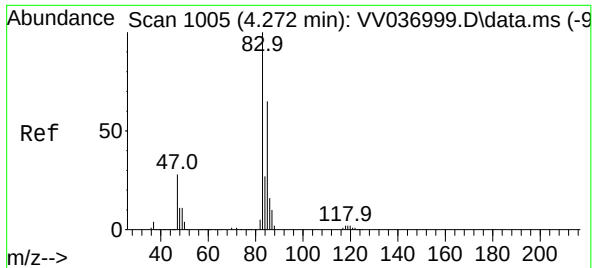
128 100

49 166.5 123.3 229.1

130 128.4 89.7 166.5

51 53.2 46.2 69.4





#25

Chloroform

Concen: 27.047 ug/L

RT: 4.268 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

Instrument :

MSVOA_V

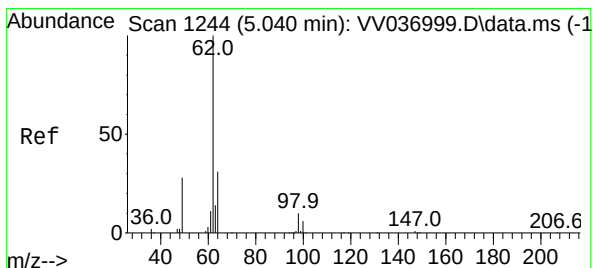
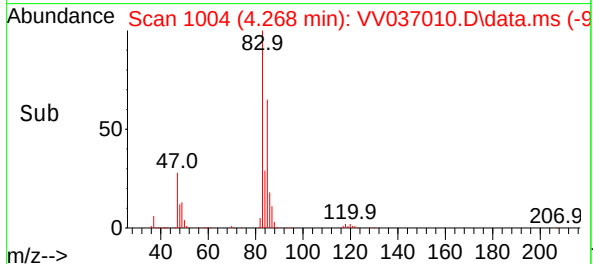
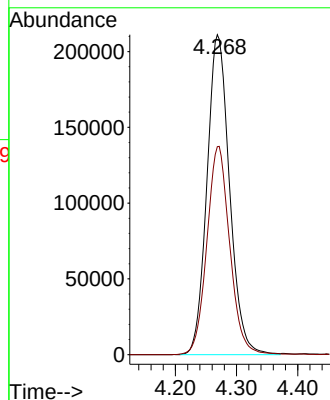
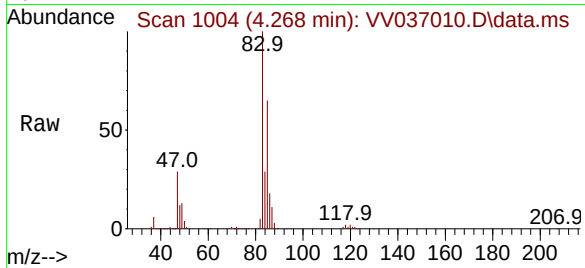
ClientSampleId :

Tgt Ion: 83 Resp: 541873

Ion Ratio Lower Upper

83 100

85 65.0 45.5 84.5



#27

1,2-Dichloroethane

Concen: 29.196 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.003 min

Lab File: VV037010.D

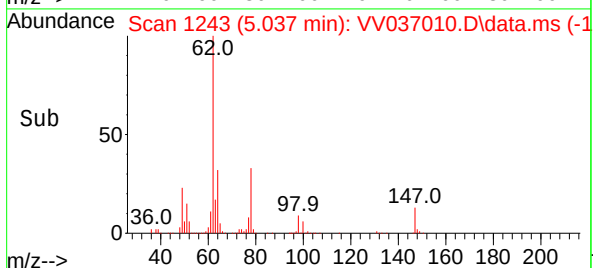
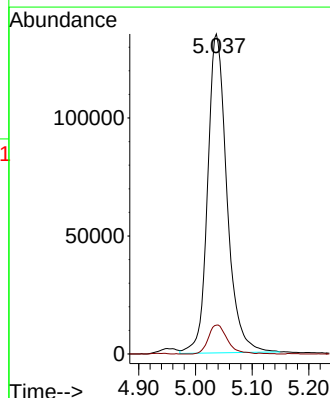
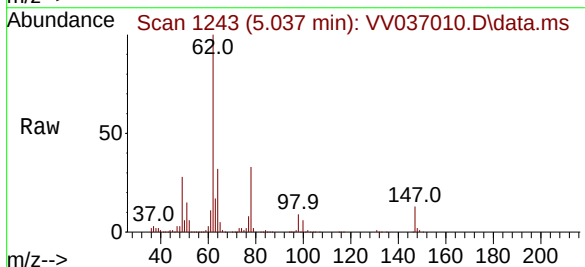
Acq: 23 Aug 2024 01:23

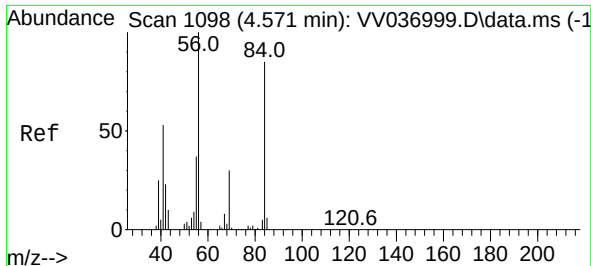
Tgt Ion: 62 Resp: 319862

Ion Ratio Lower Upper

62 100

98 9.0 7.5 11.3





#29

Cyclohexane

Concen: 22.526 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. -0.000 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

Instrument :

MSVOA_V

ClientSampleId :

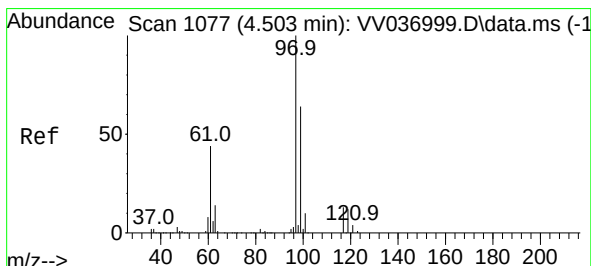
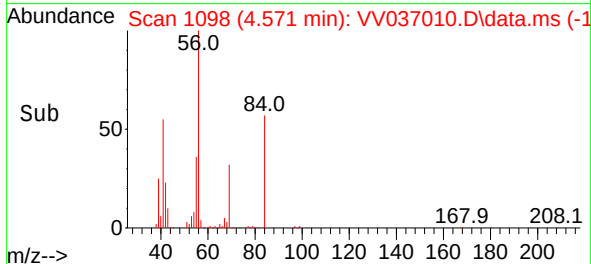
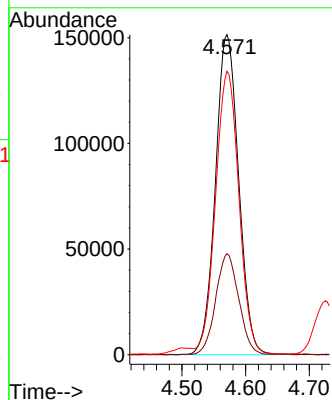
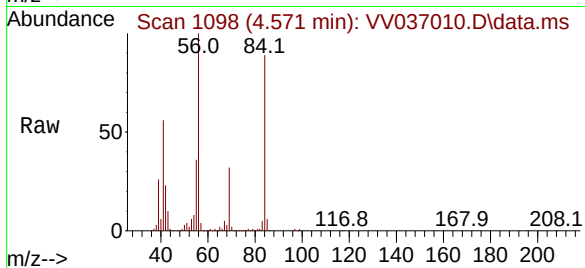
Tgt Ion: 56 Resp: 384834

Ion Ratio Lower Upper

56 100

69 31.1 24.7 37.1

84 88.8 70.0 105.0



#30

1,1,1-Trichloroethane

Concen: 26.062 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. -0.000 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

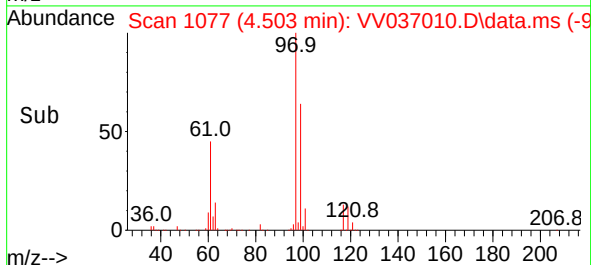
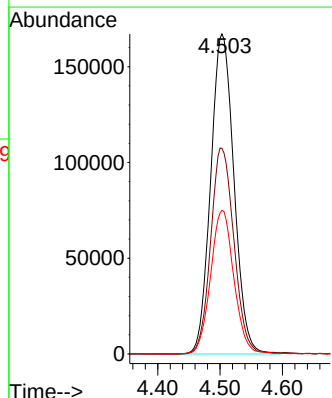
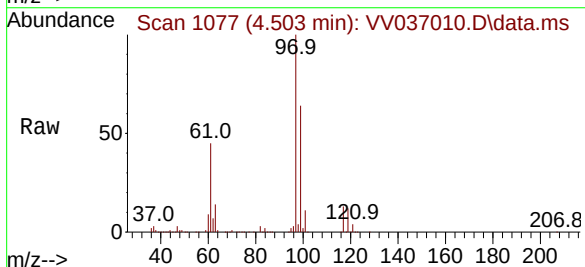
Tgt Ion: 97 Resp: 432785

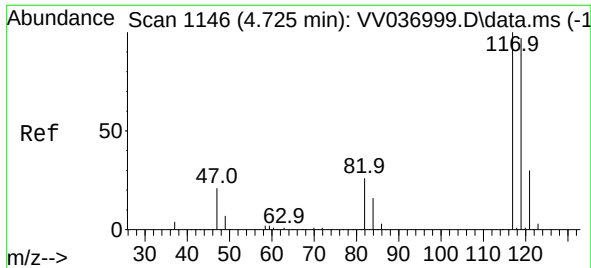
Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.4

61 44.7 35.0 52.6

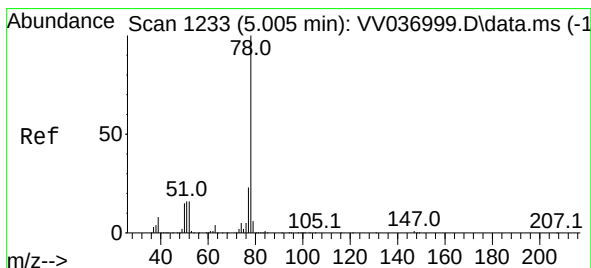
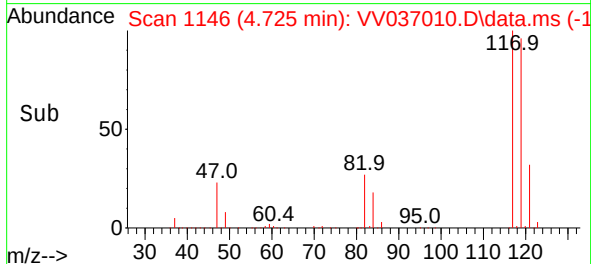
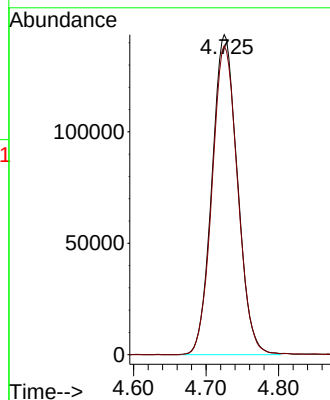
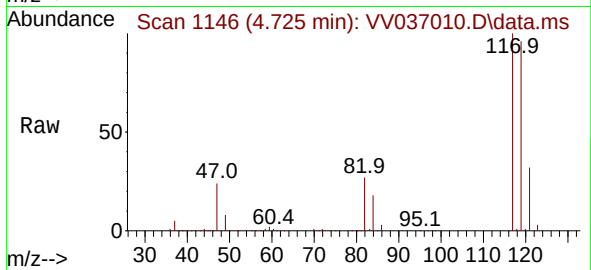




#31
Carbon tetrachloride
Concen: 25.014 ug/L
RT: 4.725 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VV037010.D
Acq: 23 Aug 2024 01:23

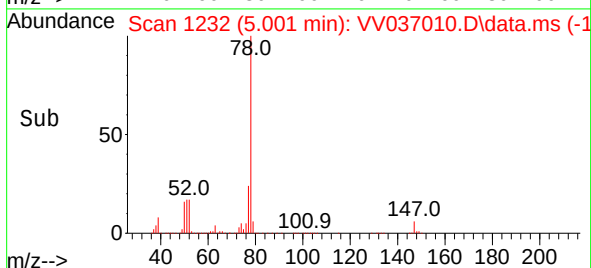
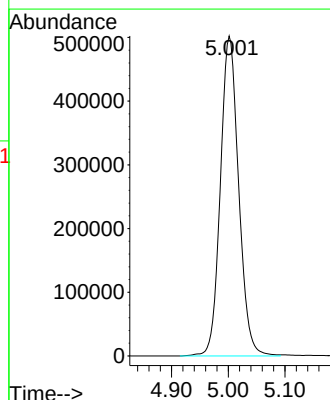
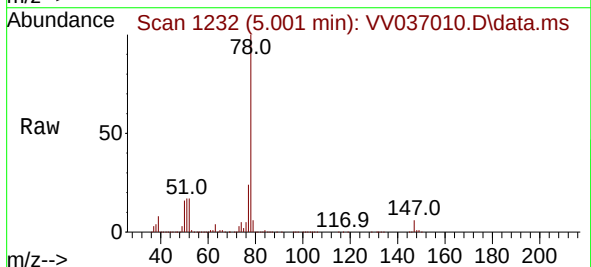
Instrument :
MSVOA_V
ClientSampleId :

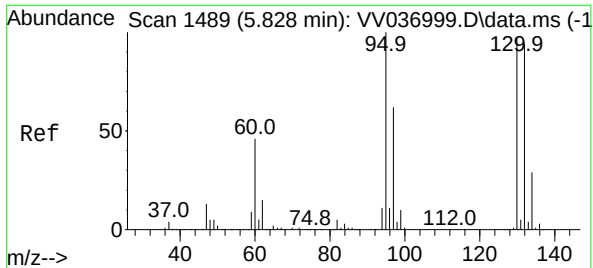
Tgt Ion:117 Resp: 350572
Ion Ratio Lower Upper
117 100
119 97.0 76.6 115.0



#33
Benzene
Concen: 26.209 ug/L
RT: 5.001 min Scan# 1232
Delta R.T. -0.003 min
Lab File: VV037010.D
Acq: 23 Aug 2024 01:23

Tgt Ion: 78 Resp: 1125198





#34

Trichloroethene

Concen: 26.037 ug/L

RT: 5.825 min Scan# 1489

Delta R.T. -0.003 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 315557

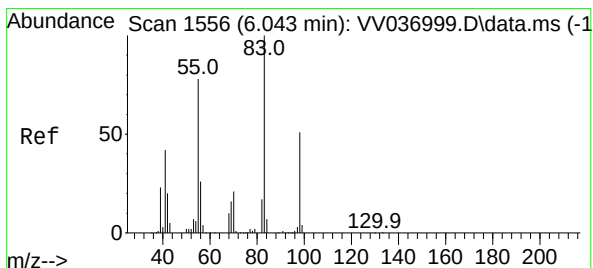
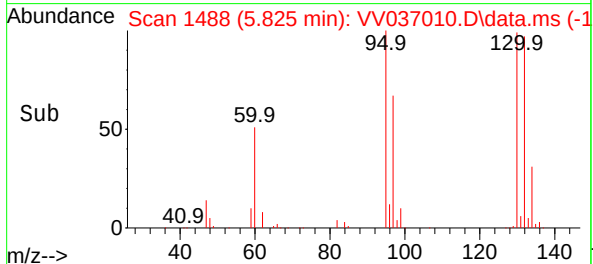
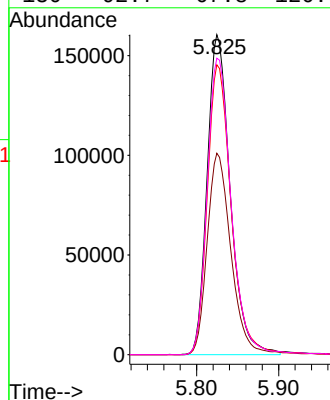
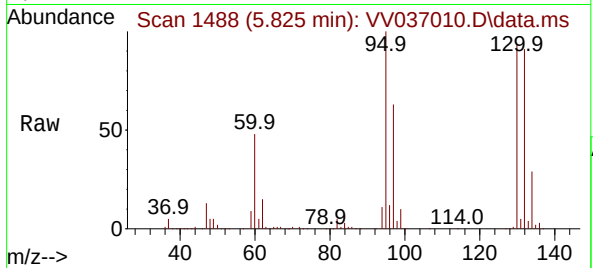
Ion Ratio Lower Upper

95 100

97 63.0 43.5 80.9

132 90.6 66.1 122.7

130 92.7 67.8 126.0



#35

Methylcyclohexane

Concen: 22.837 ug/L

RT: 6.040 min Scan# 1555

Delta R.T. -0.003 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

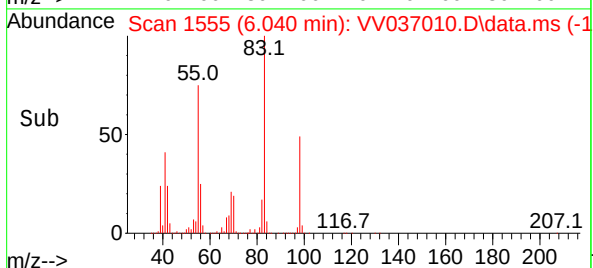
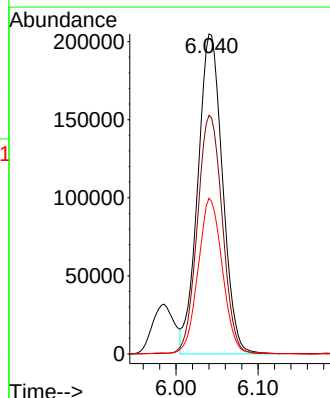
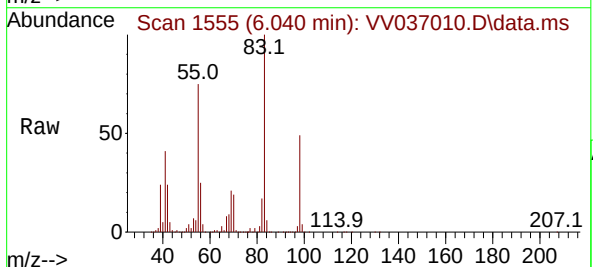
Tgt Ion: 83 Resp: 427937

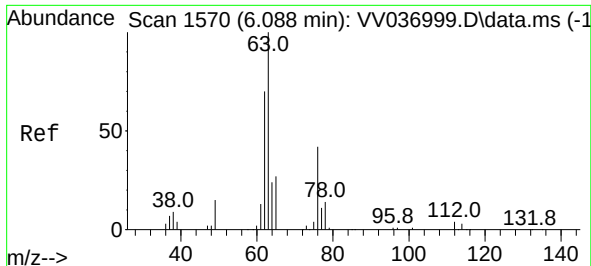
Ion Ratio Lower Upper

83 100

55 75.1 60.9 91.3

98 47.7 39.0 58.6





#37

1,2-Dichloropropane

Concen: 26.928 ug/L

RT: 6.088 min Scan# 1570

Delta R.T. -0.000 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

Instrument :

MSVOA_V

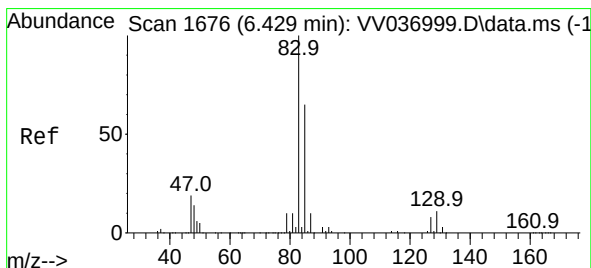
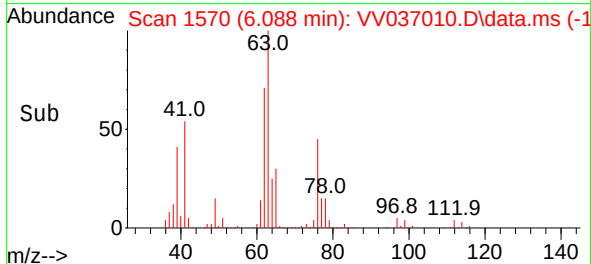
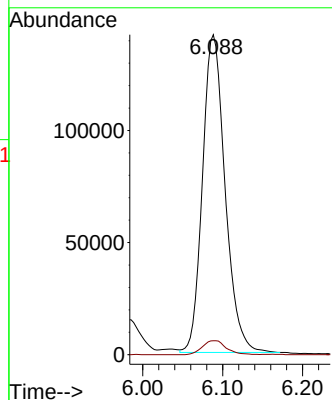
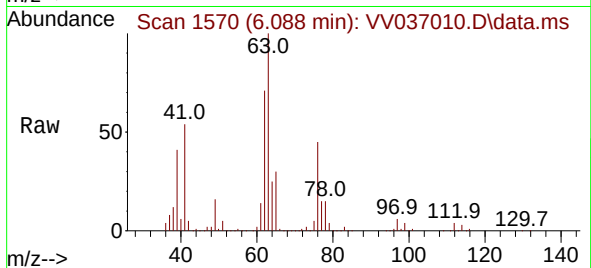
ClientSampleId :

Tgt Ion: 63 Resp: 279279

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



#38

Bromodichloromethane

Concen: 28.072 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

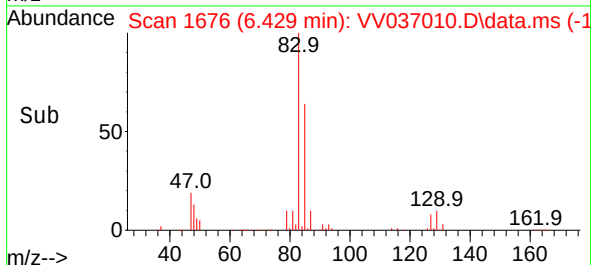
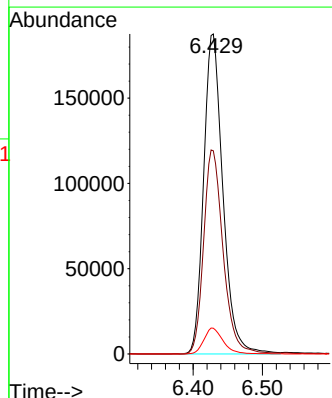
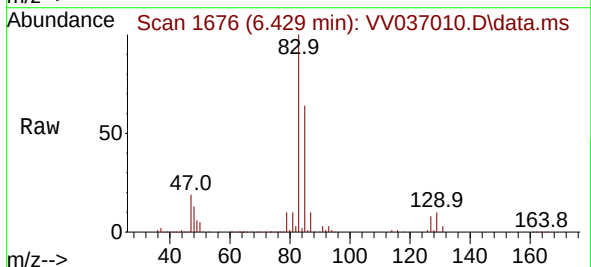
Tgt Ion: 83 Resp: 361627

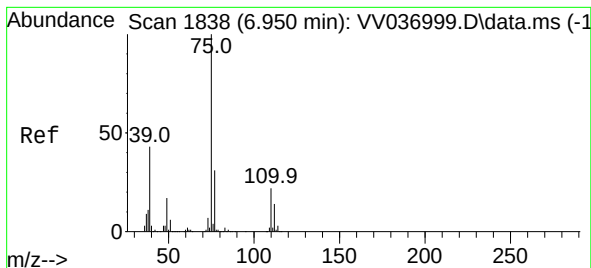
Ion Ratio Lower Upper

83 100

85 63.5 45.6 84.6

127 8.0 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 26.829 ug/L

RT: 6.950 min Scan# 1838

Delta R.T. -0.000 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

Instrument :

MSVOA_V

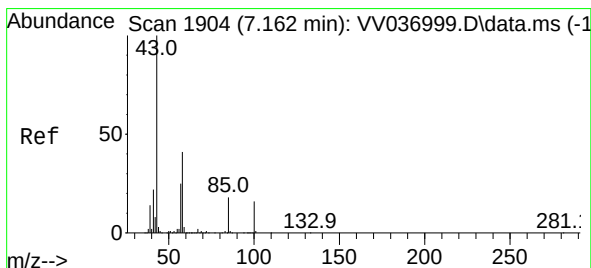
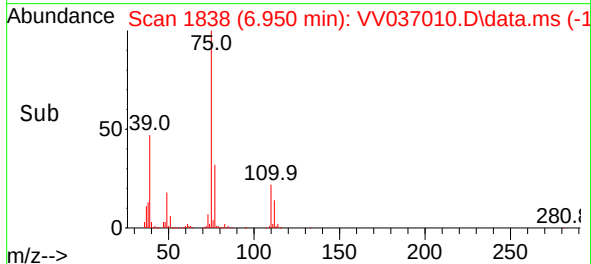
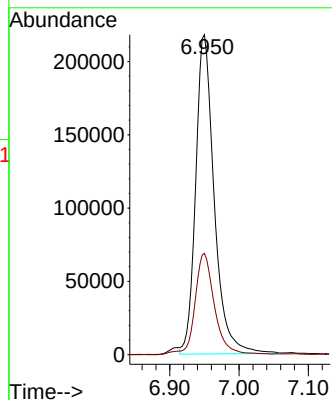
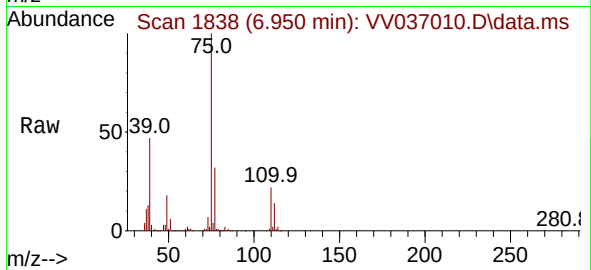
ClientSampleId :

Tgt Ion: 75 Resp: 406291

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 55.097 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

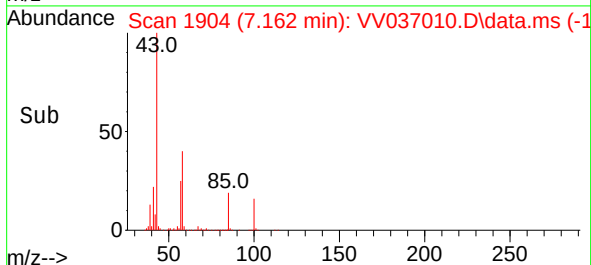
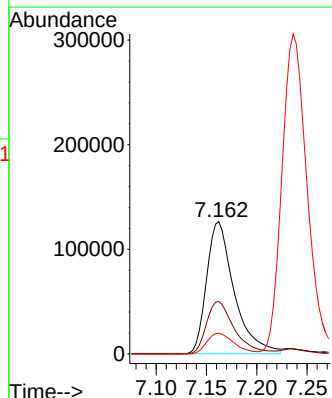
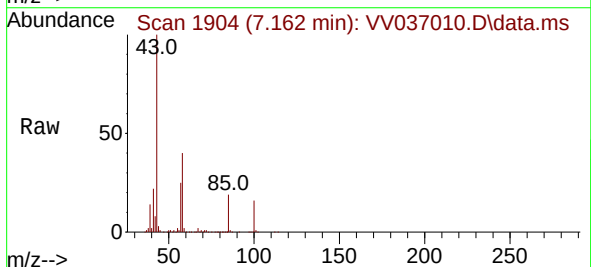
Tgt Ion: 43 Resp: 241230

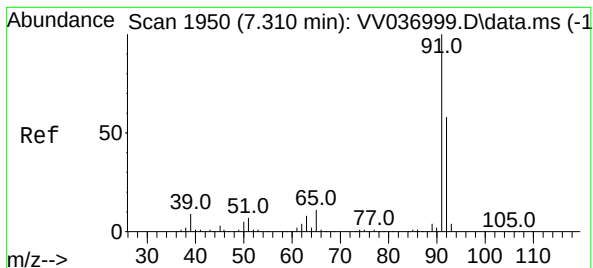
Ion Ratio Lower Upper

43 100

58 40.3 31.1 46.7

100 15.6 12.1 18.1





#42

Toluene

Concen: 26.760 ug/L

RT: 7.307 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

Instrument :

MSVOA_V

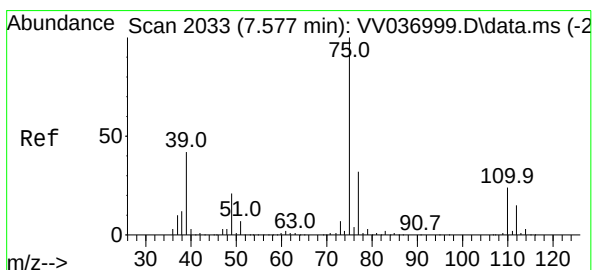
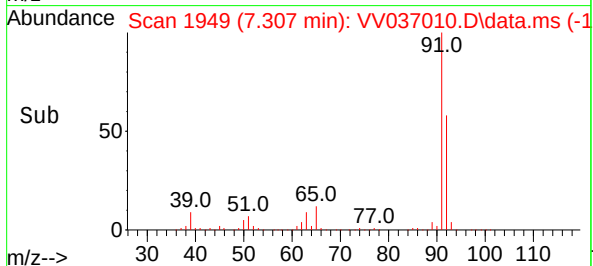
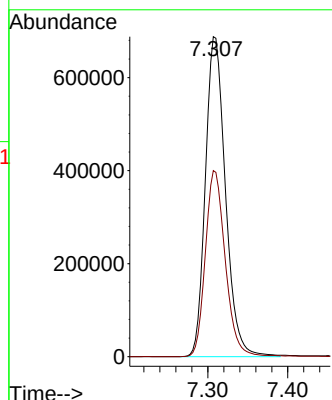
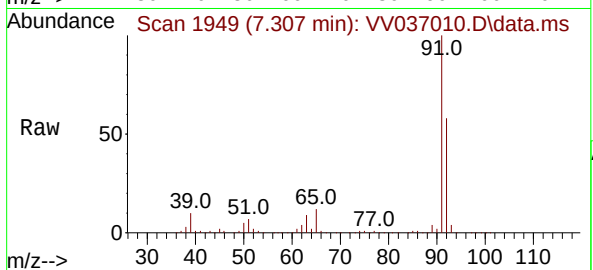
ClientSampleId :

Tgt Ion: 91 Resp: 1203602

Ion Ratio Lower Upper

91 100

92 58.1 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 28.052 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV037010.D

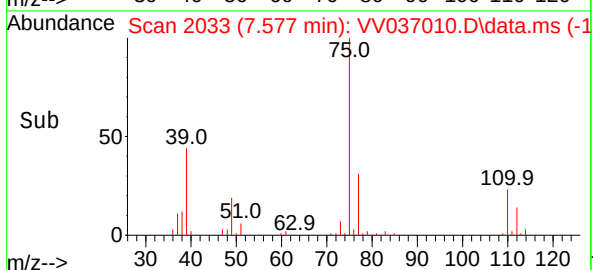
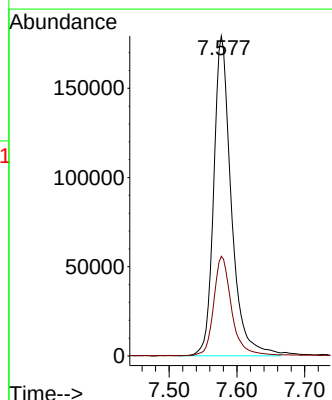
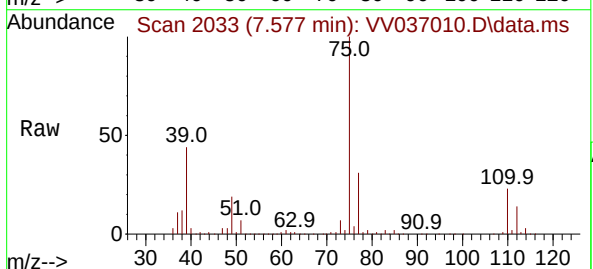
Acq: 23 Aug 2024 01:23

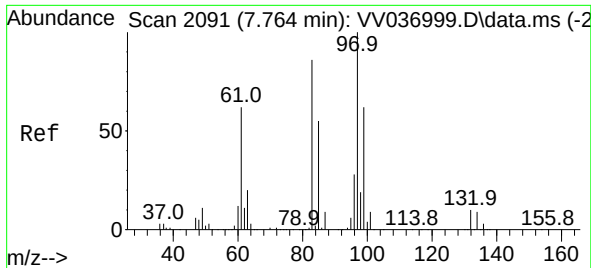
Tgt Ion: 75 Resp: 323242

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 26.918 ug/L

RT: 7.763 min Scan# 2091

Delta R.T. -0.000 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 183209

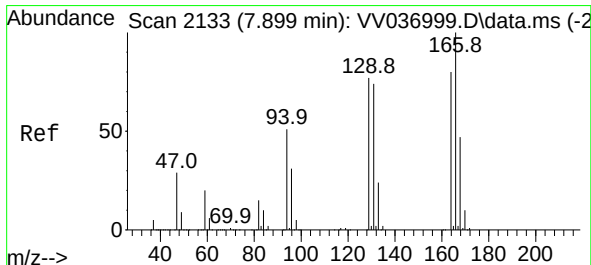
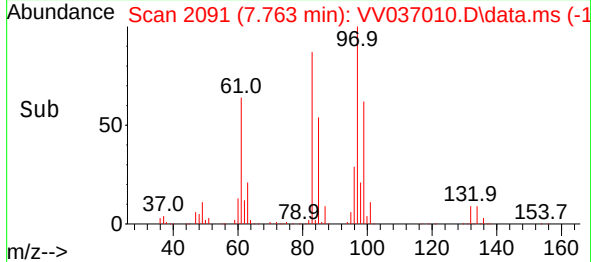
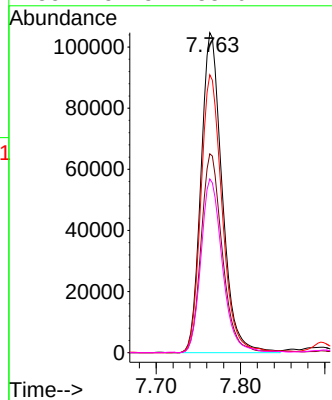
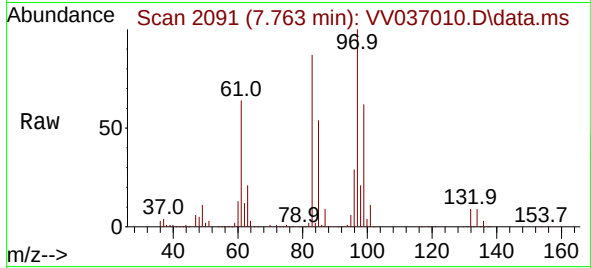
Ion Ratio Lower Upper

97 100

99 62.1 43.5 80.9

83 86.8 60.3 111.9

85 54.3 38.6 71.6



#46

Tetrachloroethene

Concen: 23.824 ug/L

RT: 7.898 min Scan# 2133

Delta R.T. -0.000 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

Tgt Ion:164 Resp: 204146

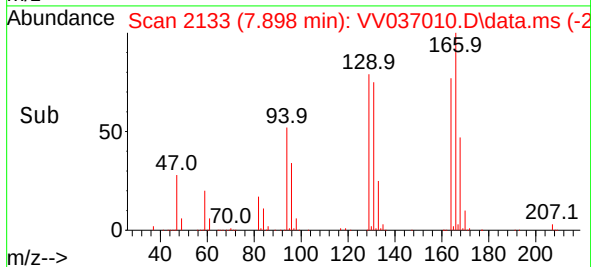
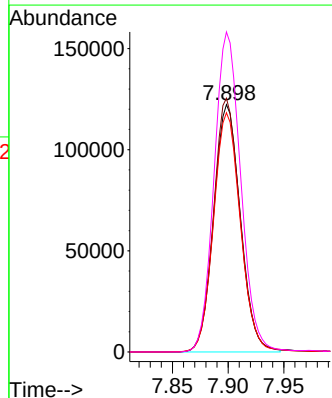
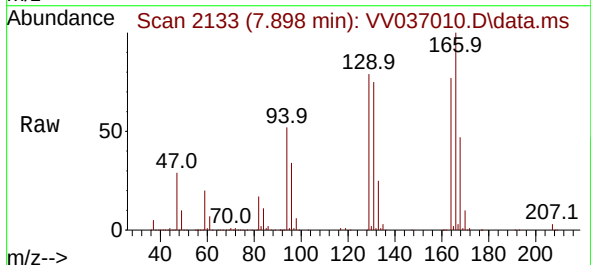
Ion Ratio Lower Upper

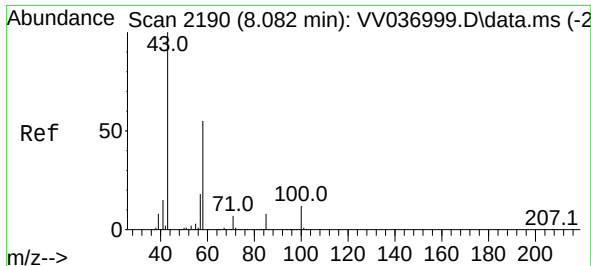
164 100

129 102.6 67.3 124.9

131 96.7 64.8 120.3

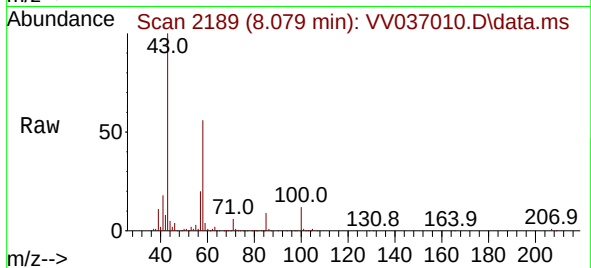
166 129.4 87.3 162.1



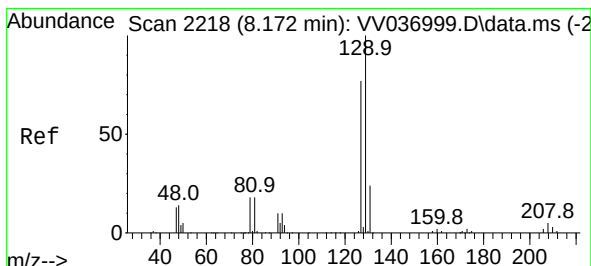
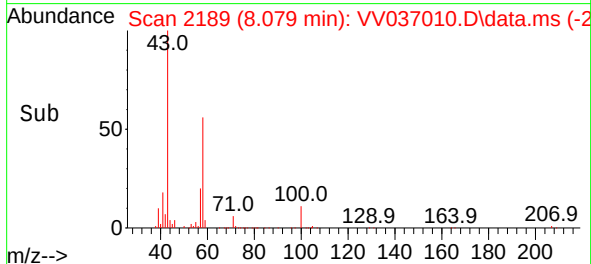
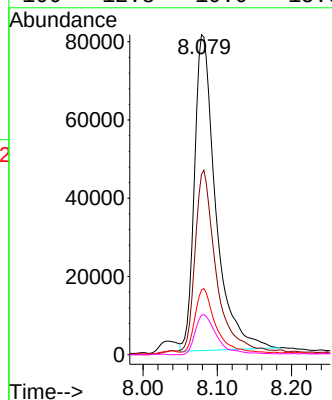


#48
2-Hexanone
Concen: 49.060 ug/L
RT: 8.079 min Scan# 2190
Delta R.T. -0.003 min
Lab File: VV037010.D
Acq: 23 Aug 2024 01:23

Instrument :
MSVOA_V
ClientSampleId :

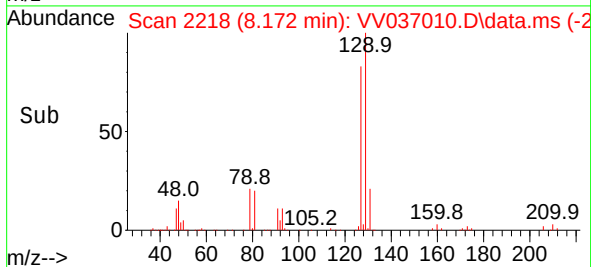
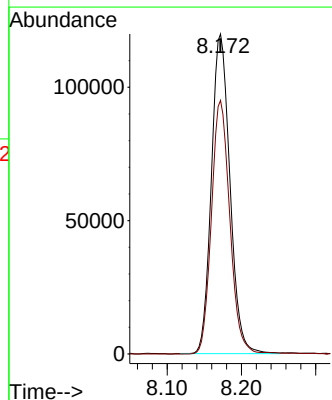
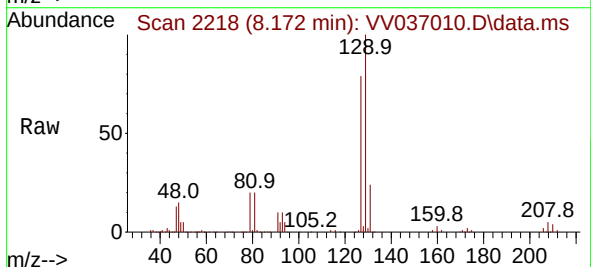


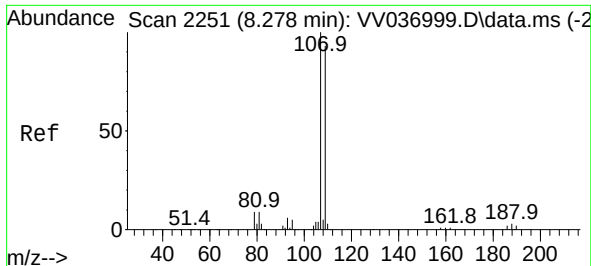
Tgt Ion: 43 Resp: 160930
Ion Ratio Lower Upper
43 100
58 55.8 47.9 71.9
57 18.9 15.1 22.7
100 12.8 10.0 15.0



#49
Dibromochloromethane
Concen: 27.745 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. -0.000 min
Lab File: VV037010.D
Acq: 23 Aug 2024 01:23

Tgt Ion: 129 Resp: 207750
Ion Ratio Lower Upper
129 100
127 79.3 53.5 99.5





#50

1,2-Dibromoethane

Concen: 27.830 ug/L

RT: 8.278 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

Instrument :

MSVOA_V

ClientSampleId :

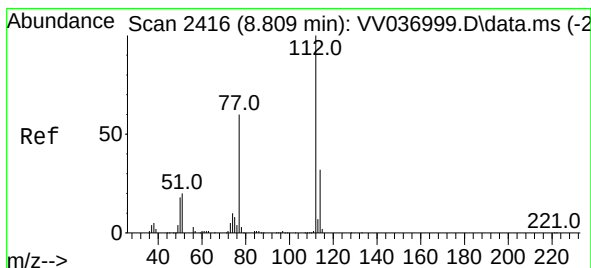
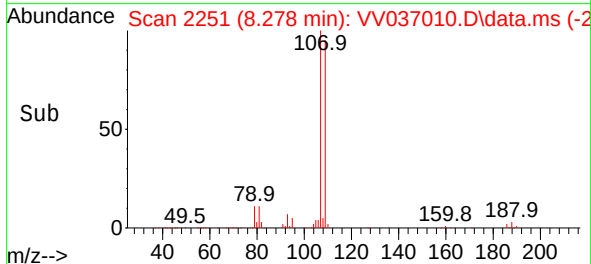
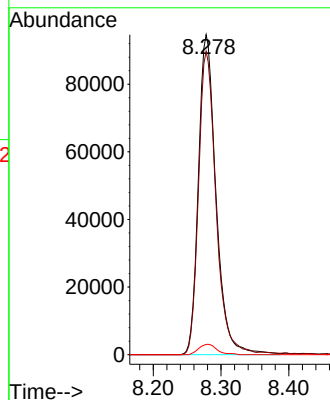
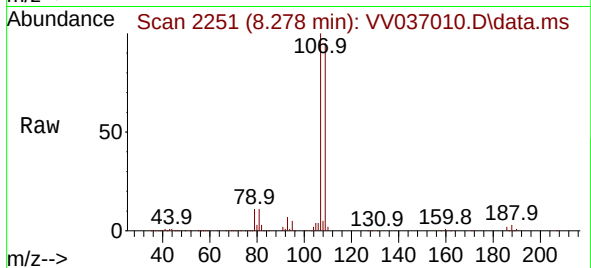
Tgt Ion:107 Resp: 170940

Ion Ratio Lower Upper

107 100

109 94.8 64.9 120.5

188 3.2 2.4 3.6



#51

Chlorobenzene

Concen: 26.806 ug/L

RT: 8.808 min Scan# 2416

Delta R.T. -0.000 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

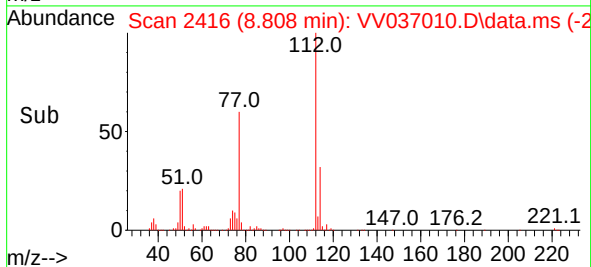
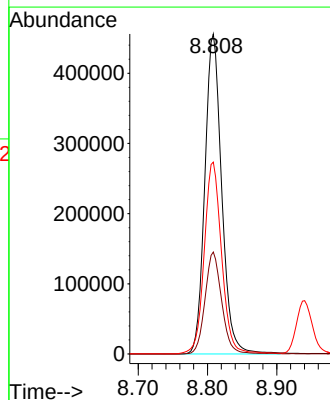
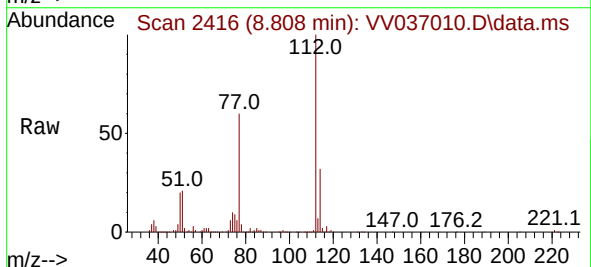
Tgt Ion:112 Resp: 769925

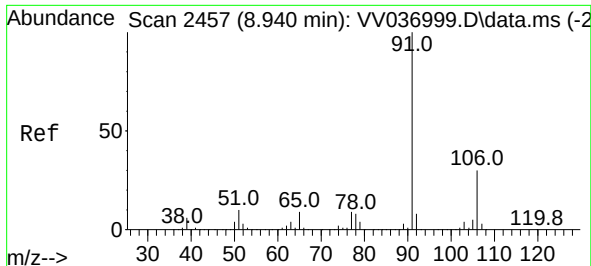
Ion Ratio Lower Upper

112 100

114 31.9 22.7 42.3

77 59.9 48.2 72.2





#52

Ethylbenzene

Concen: 27.062 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. -0.000 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

Instrument :

MSVOA_V

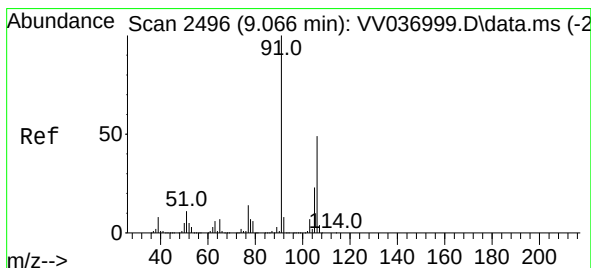
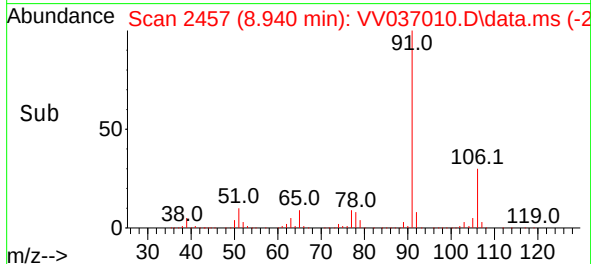
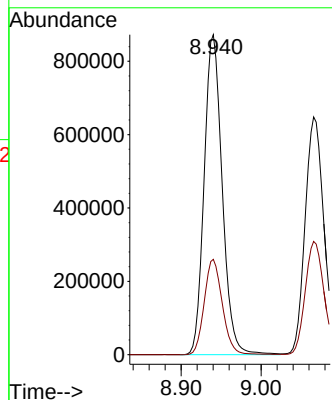
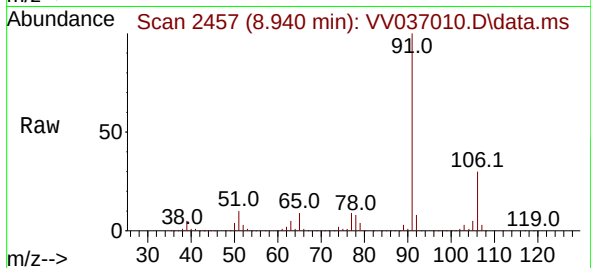
ClientSampleId :

Tgt Ion: 91 Resp: 1372450

Ion Ratio Lower Upper

91 100

106 29.8 21.3 39.5



#53

m,p-Xylene

Concen: 27.040 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. -0.000 min

Lab File: VV037010.D

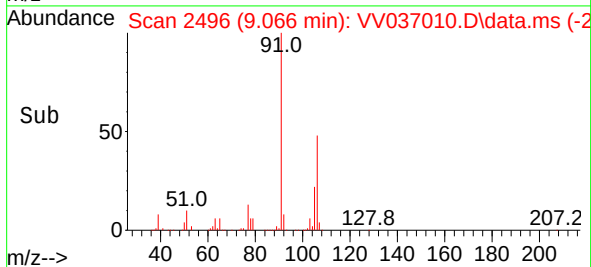
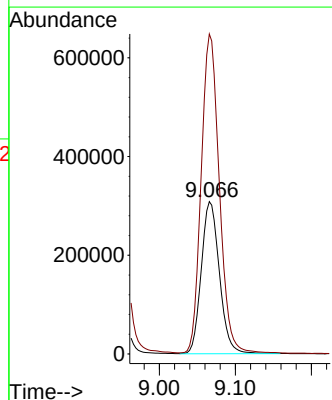
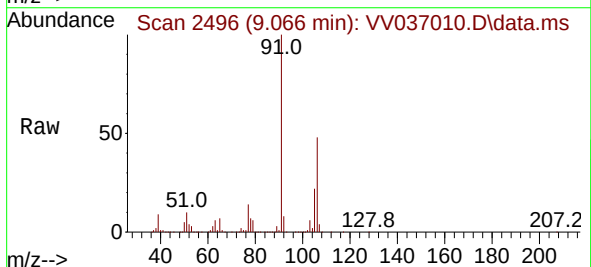
Acq: 23 Aug 2024 01:23

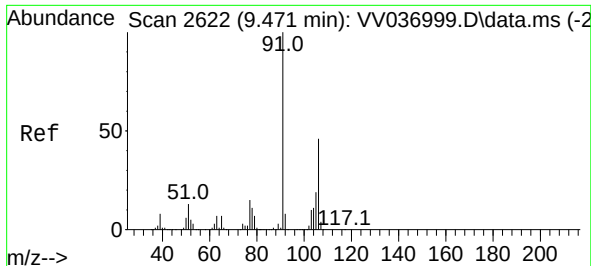
Tgt Ion:106 Resp: 509506

Ion Ratio Lower Upper

106 100

91 210.0 142.4 264.4

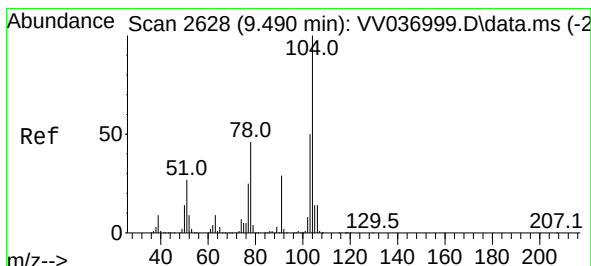
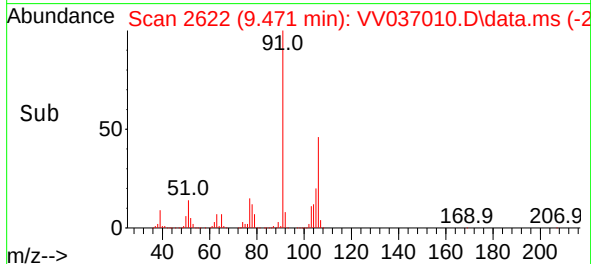
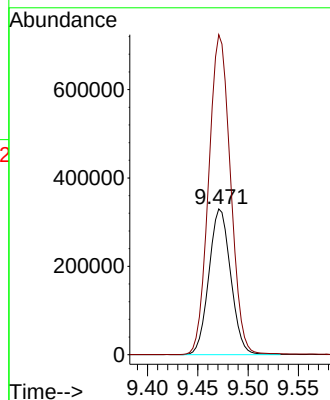
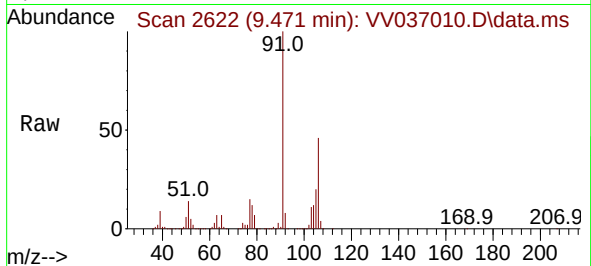




#54
o-Xylene
Concen: 27.653 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. -0.000 min
Lab File: VV037010.D
Acq: 23 Aug 2024 01:23

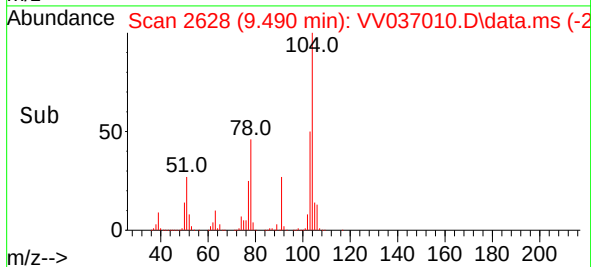
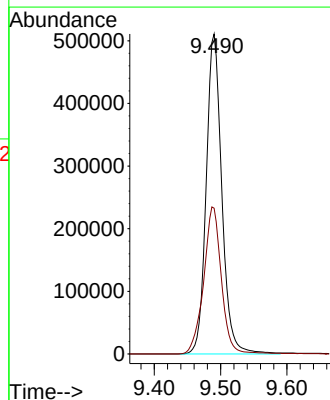
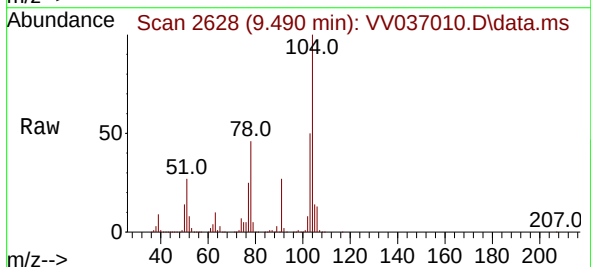
Instrument :
MSVOA_V
ClientSampleId :

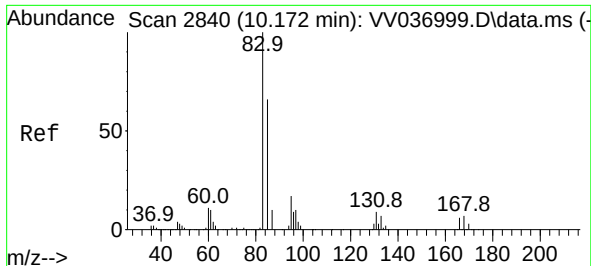
Tgt Ion:106 Resp: 497744
Ion Ratio Lower Upper
106 100
91 219.6 152.8 283.8



#55
Styrene
Concen: 28.121 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. -0.000 min
Lab File: VV037010.D
Acq: 23 Aug 2024 01:23

Tgt Ion:104 Resp: 835393
Ion Ratio Lower Upper
104 100
78 45.6 31.9 59.2

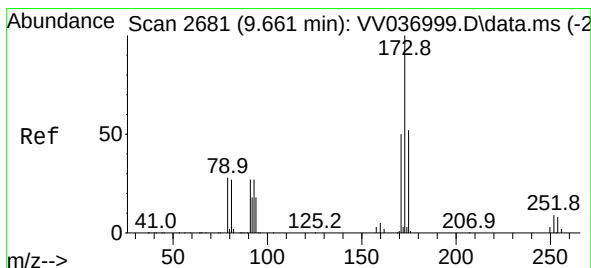
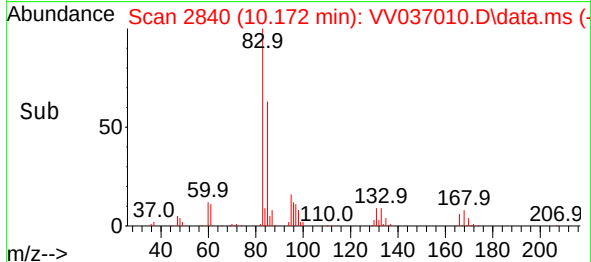
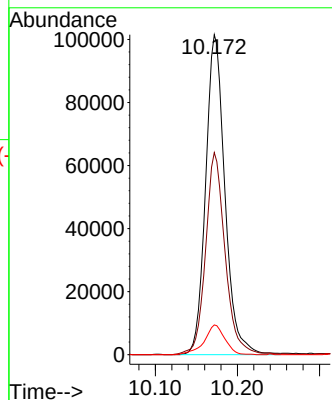
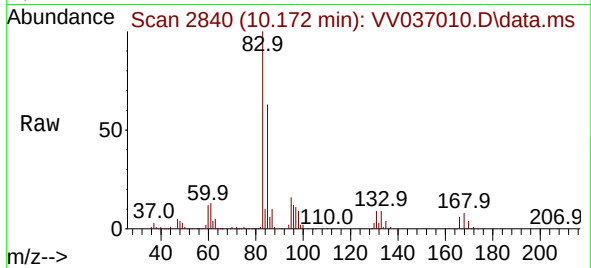




#57
1,1,2,2-Tetrachloroethane
Concen: 26.291 ug/L
RT: 10.172 min Scan# 2840
Delta R.T. -0.000 min
Lab File: VV037010.D
Acq: 23 Aug 2024 01:23

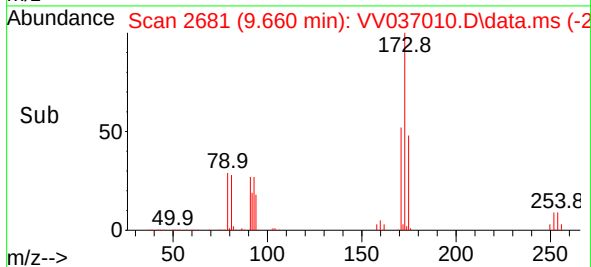
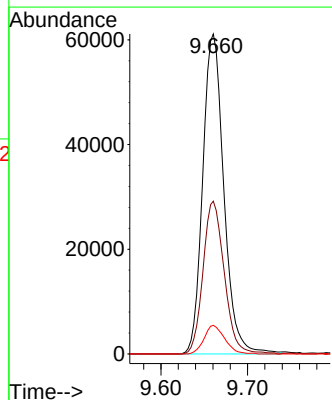
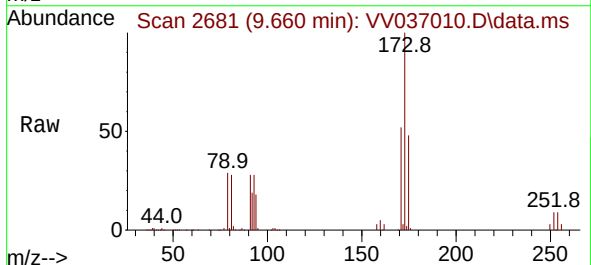
Instrument :
MSVOA_V
ClientSampleId :

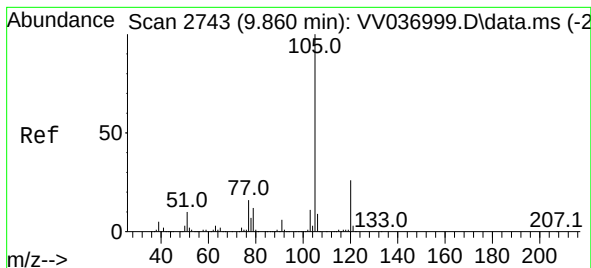
Tgt Ion: 83 Resp: 165659
Ion Ratio Lower Upper
83 100
85 63.2 46.4 86.2
131 9.3 7.6 11.4



#59
Bromoform
Concen: 29.668 ug/L
RT: 9.660 min Scan# 2681
Delta R.T. -0.000 min
Lab File: VV037010.D
Acq: 23 Aug 2024 01:23

Tgt Ion: 173 Resp: 103662
Ion Ratio Lower Upper
173 100
175 47.7 40.1 60.1
254 8.7 6.2 9.4





#60

Isopropylbenzene

Concen: 27.577 ug/L

RT: 9.860 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

Instrument :

MSVOA_V

ClientSampleId :

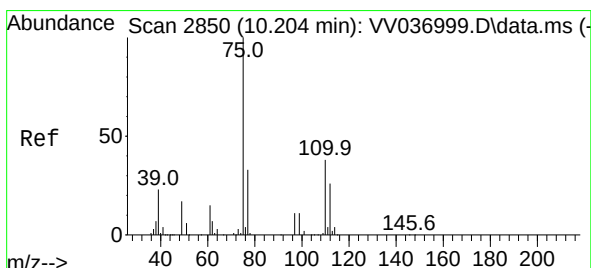
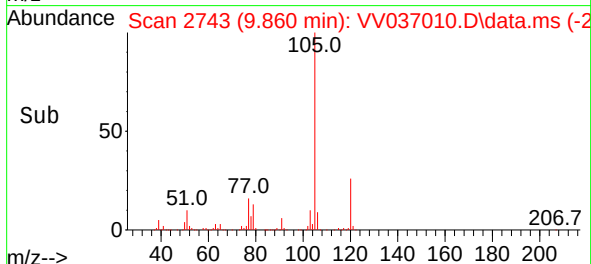
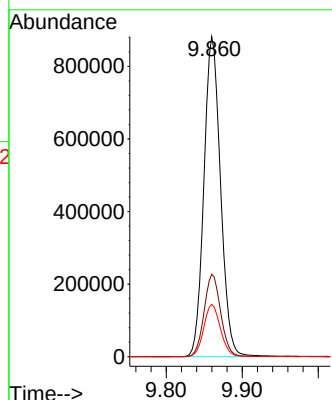
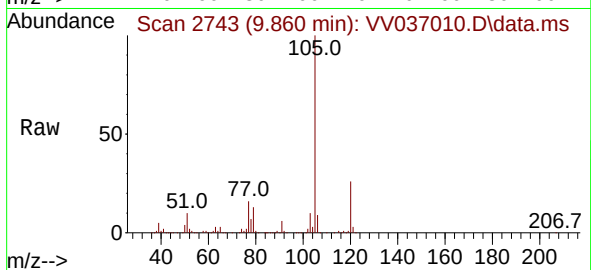
Tgt Ion:105 Resp: 1341478

Ion Ratio Lower Upper

105 100

120 25.8 20.8 31.2

77 16.3 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 27.704 ug/L

RT: 10.204 min Scan# 2850

Delta R.T. -0.000 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

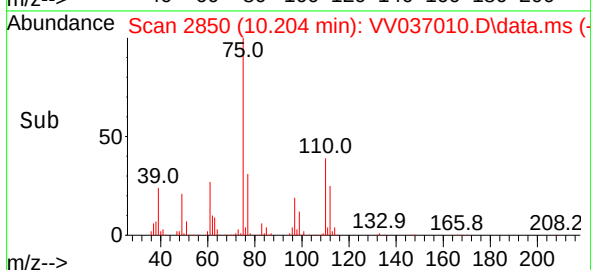
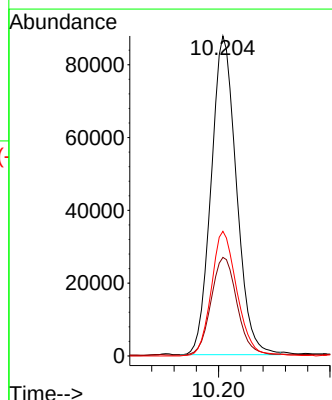
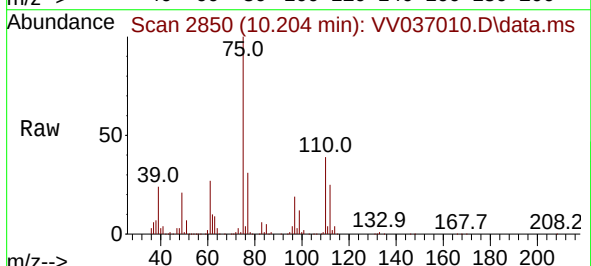
Tgt Ion: 75 Resp: 137830

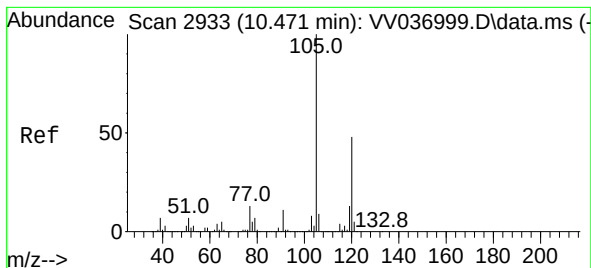
Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3

110 39.9 31.0 46.4





#62

1,3,5-Trimethylbenzene

Concen: 28.248 ug/L

RT: 10.467 min Scan# 2933

Delta R.T. -0.003 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

Instrument :

MSVOA_V

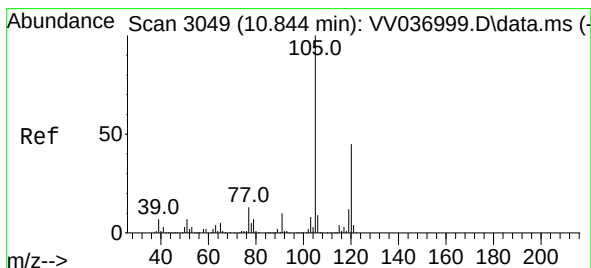
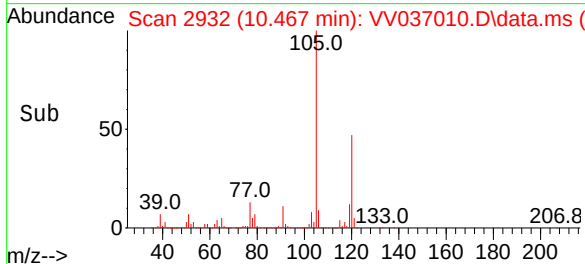
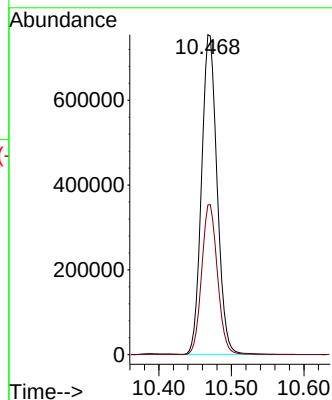
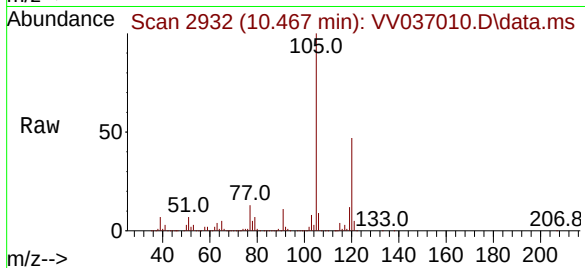
ClientSampleId :

Tgt Ion:105 Resp: 1124998

Ion Ratio Lower Upper

105 100

120 47.6 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 29.186 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VV037010.D

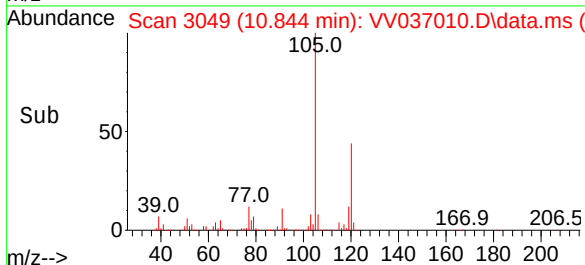
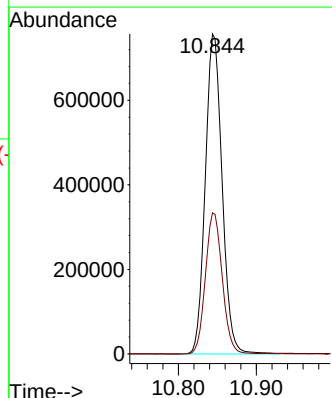
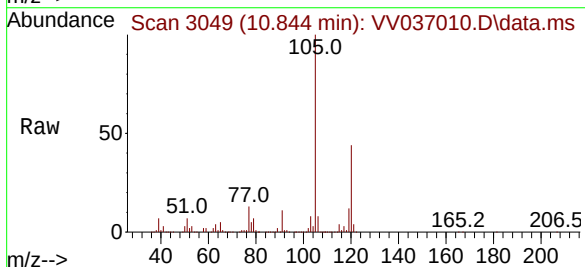
Acq: 23 Aug 2024 01:23

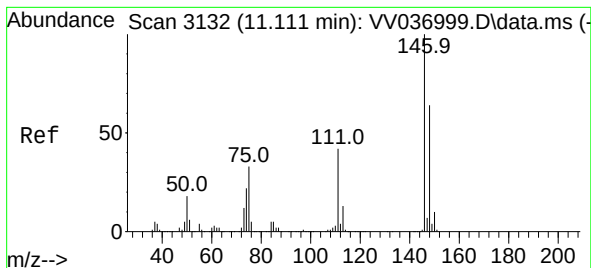
Tgt Ion:105 Resp: 1132954

Ion Ratio Lower Upper

105 100

120 44.2 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 27.514 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. -0.000 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

Instrument :

MSVOA_V

ClientSampleId :

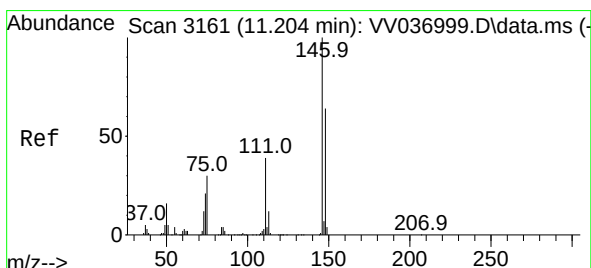
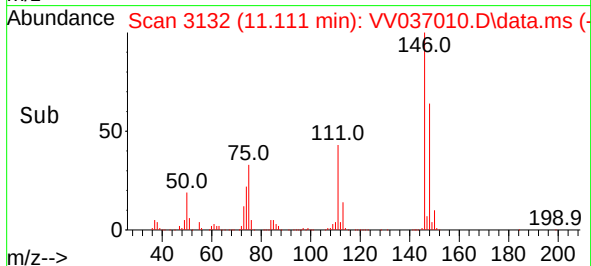
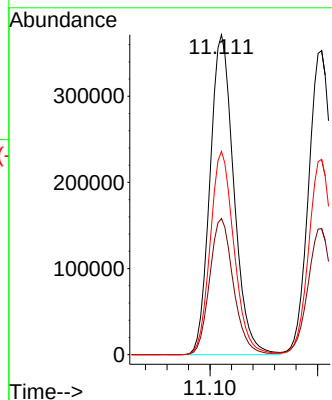
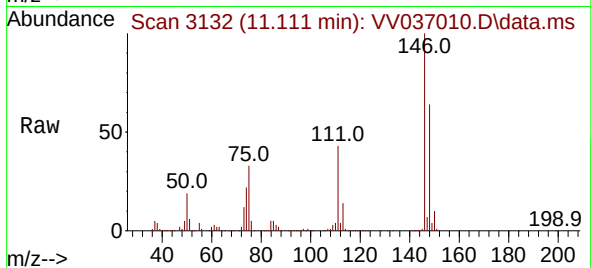
Tgt Ion:146 Resp: 572005

Ion Ratio Lower Upper

146 100

111 42.6 29.5 54.9

148 63.5 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 27.180 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.000 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

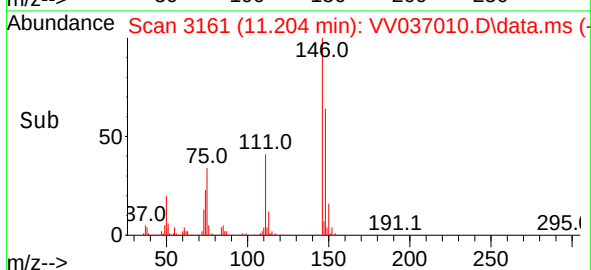
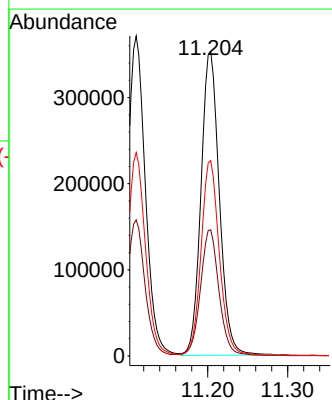
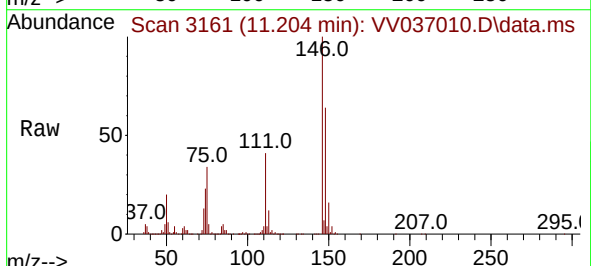
Tgt Ion:146 Resp: 564407

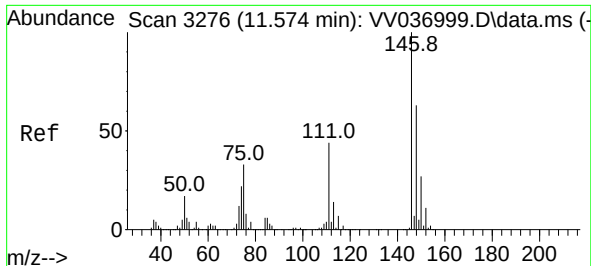
Ion Ratio Lower Upper

146 100

111 41.4 27.6 51.4

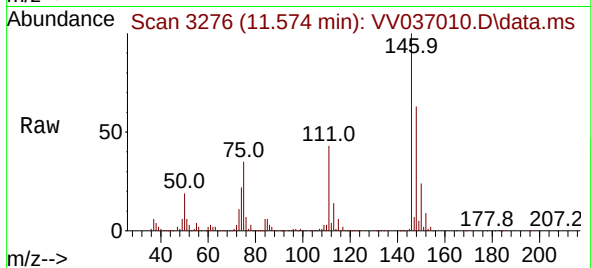
148 64.2 44.9 83.3



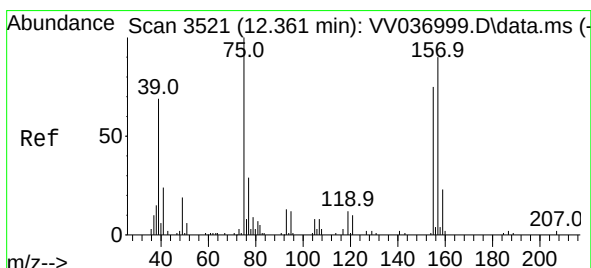
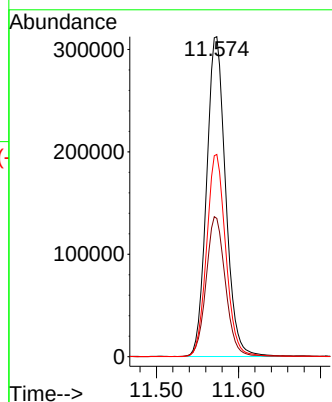
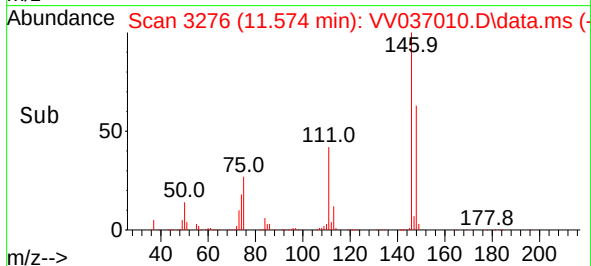


#67
1,2-Dichlorobenzene
Concen: 27.956 ug/L
RT: 11.574 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV037010.D
Acq: 23 Aug 2024 01:23

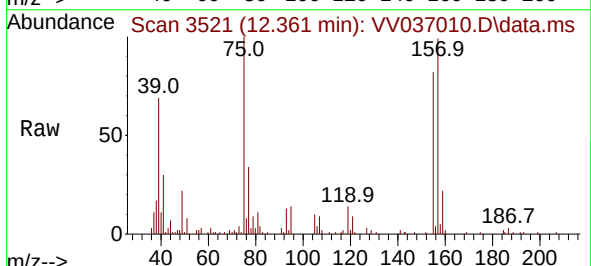
Instrument :
MSVOA_V
ClientSampleId :



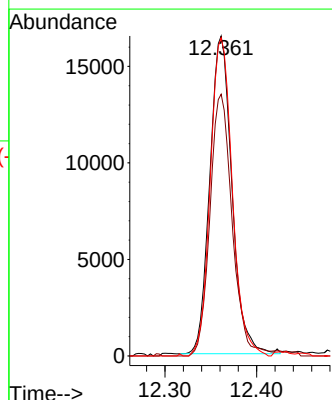
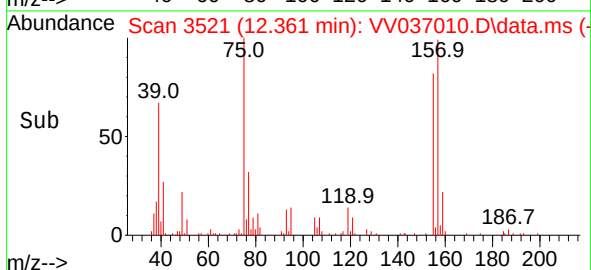
Tgt Ion:146 Resp: 503542
Ion Ratio Lower Upper
146 100
111 43.2 35.4 53.0
148 63.2 50.8 76.2

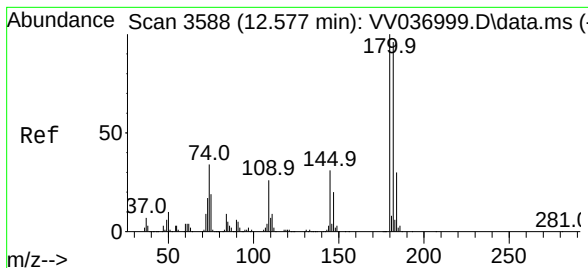


#68
1,2-Dibromo-3-chloropropane
Concen: 28.368 ug/L
RT: 12.361 min Scan# 3521
Delta R.T. -0.000 min
Lab File: VV037010.D
Acq: 23 Aug 2024 01:23



Tgt Ion: 75 Resp: 27580
Ion Ratio Lower Upper
75 100
155 81.8 59.9 89.9
157 99.5 72.2 108.2





#69

1,3,5-Trichlorobenzene

Concen: 27.374 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. -0.000 min

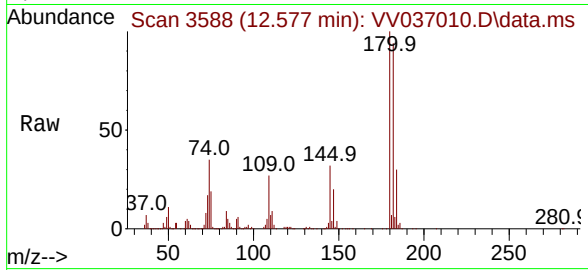
Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 396588

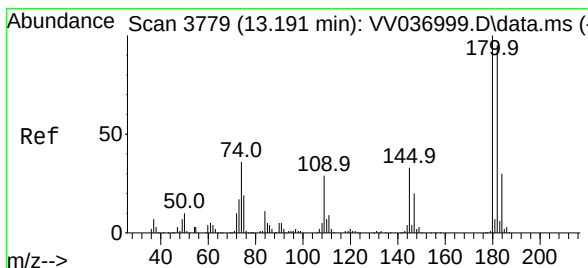
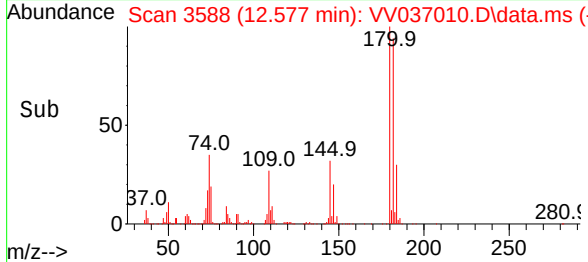
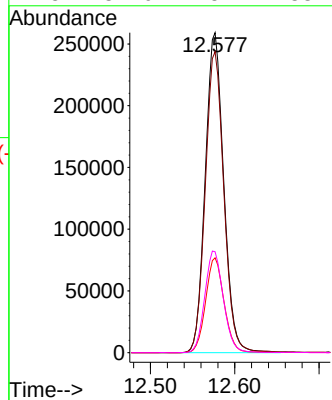
Ion Ratio Lower Upper

180 100

182 94.2 76.4 114.6

184 29.5 24.2 36.4

145 32.0 25.4 38.2



#70

1,2,4-trichlorobenzene

Concen: 27.901 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. -0.000 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

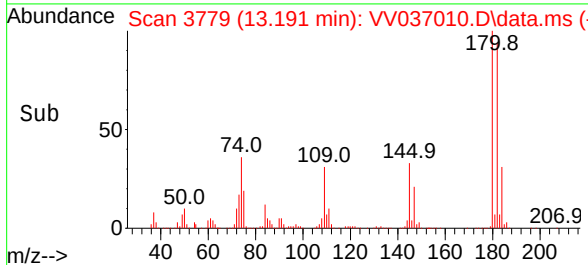
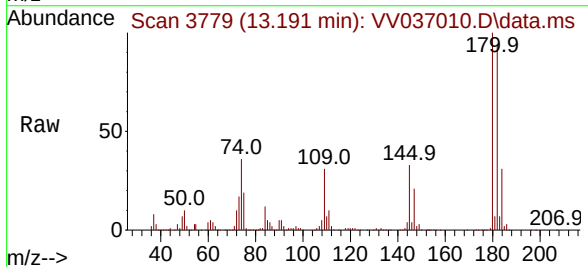
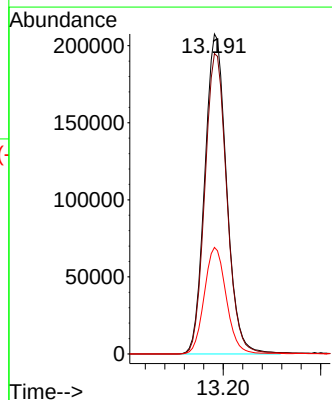
Tgt Ion:180 Resp: 323480

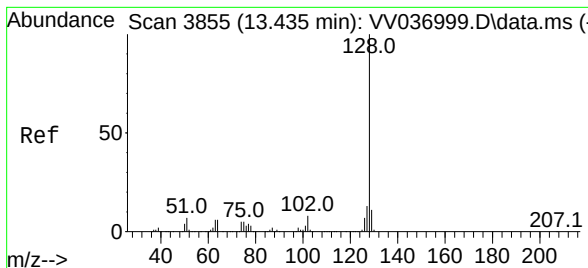
Ion Ratio Lower Upper

180 100

182 94.8 76.0 114.0

145 33.6 25.8 38.6





#71

Naphthalene

Concen: 30.651 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. -0.003 min MSVOA_V

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

Instrument :

MSVOA_V

ClientSampleId :

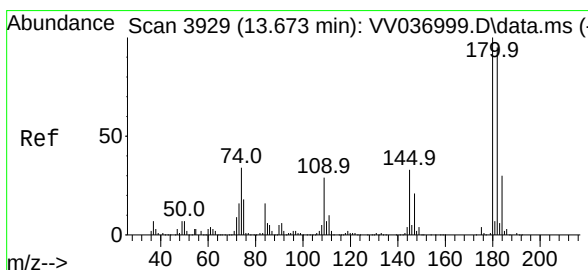
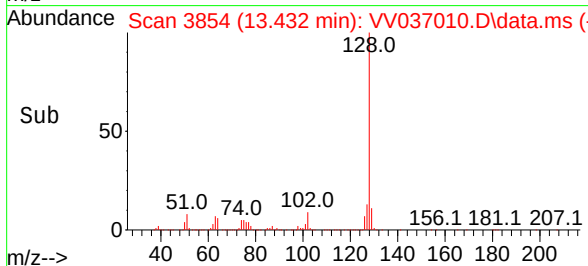
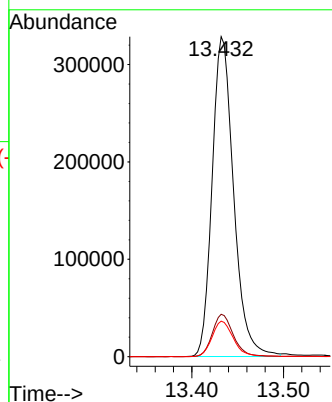
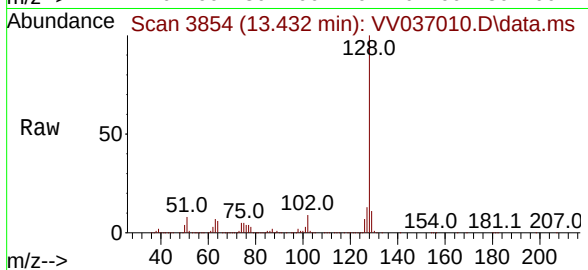
Tgt Ion:128 Resp: 535335

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 11.1 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 28.931 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. -0.000 min

Lab File: VV037010.D

Acq: 23 Aug 2024 01:23

Tgt Ion:180 Resp: 277722

Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.4

145 34.3 26.6 40.0

