

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
 Data File : VV036050.D
 Acq On : 13 Jun 2024 10:20
 Operator : SY/MD
 Sample : P2850-07
 Misc : 5.39g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

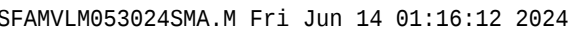
Quant Time: Jun 14 01:16:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 14 01:10:24 2024
 Response via : Initial Calibration

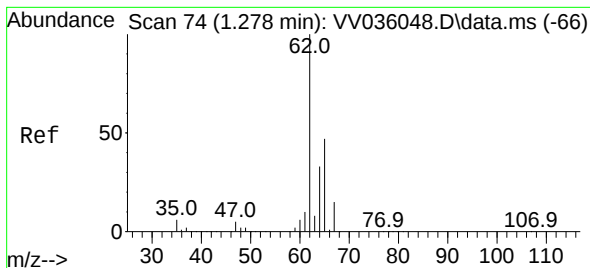
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	213662	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	211410	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	82399	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	149147	37.969	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	= 151.880%#		
7) Chloroethane-d5	1.529	69	113643	36.282	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	= 145.120%		
11) 1,1-Dichloroethene-d2	2.053	65	61243	35.021	ug/L	0.00
Spiked Amount	25.000	Range 45 - 110	Recovery	= 140.080%#		
21) 2-Butanone-d5	3.812	46	49376	54.785	ug/L	-0.03
Spiked Amount	50.000	Range 20 - 135	Recovery	= 109.580%		
24) Chloroform-d	4.240	84	203814	30.004	ug/L	0.00
Spiked Amount	25.000	Range 40 - 150	Recovery	= 120.000%		
26) 1,2-Dichloroethane-d4	4.934	65	106616	29.936	ug/L	0.00
Spiked Amount	25.000	Range 70 - 130	Recovery	= 119.760%		
32) Benzene-d6	4.953	84	399291	31.774	ug/L	0.00
Spiked Amount	25.000	Range 20 - 135	Recovery	= 127.080%		
36) 1,2-Dichloropropane-d6	5.982	67	126365	31.931	ug/L	0.00
Spiked Amount	25.000	Range 70 - 120	Recovery	= 127.720%#		
41) Toluene-d8	7.240	98	322369	29.074	ug/L	0.00
Spiked Amount	25.000	Range 30 - 130	Recovery	= 116.280%		
43) trans-1,3-Dichloroprop...	7.555	79	39189	24.152	ug/L	0.00
Spiked Amount	25.000	Range 30 - 135	Recovery	= 96.600%		
47) 2-Hexanone-d5	8.027	63	33680	62.816	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery	= 125.640%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	105601	35.710	ug/L	0.00
Spiked Amount	25.000	Range 45 - 120	Recovery	= 142.840%#		
66) 1,2-Dichlorobenzene-d4	11.558	152	96179	31.830	ug/L	0.00
Spiked Amount	25.000	Range 75 - 120	Recovery	= 127.320%#		
Target Compounds						Qvalue
5) Vinyl chloride	1.278	62	6249	1.343	ug/L #	52
6) Bromomethane	1.484	94	1548	0.536	ug/L	89
10) 1,1,2-Trichloro-1,2,2-...	2.053	101	1639	0.447	ug/L #	21
13) Acetone	2.127	43	62333	44.400	ug/L #	44
15) Methyl Acetate	2.397	43	1161	0.665	ug/L #	59
16) Methylene chloride	2.442	84	45414	9.393	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	15193	4.160	ug/L	91
22) 2-Butanone	3.921	43	5964	5.007	ug/L	88
25) Chloroform	4.262	83	4261	0.598	ug/L #	69
34) Trichloroethene	5.847	95	2336	0.551	ug/L	94
42) Toluene	7.333	91	7013	0.496	ug/L	97
46) Tetrachloroethene	7.912	164	1632	0.527	ug/L	97
49) Dibromochloromethane	7.905	129	1575	0.479	ug/L #	11
71) Naphthalene	13.451	128	3470	0.650	ug/L #	90

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

Quant Time: Jun 14 01:16:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 14 01:10:24 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.343 ug/L

RT: 1.278 min Scan# 74

Delta R.T. 0.000 min

Lab File: VV036050.D

Acq: 13 Jun 2024 10:20

Instrument :

MSVOA_V

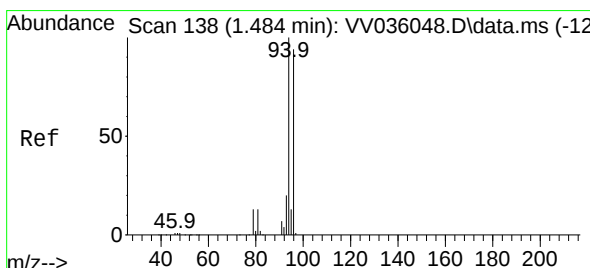
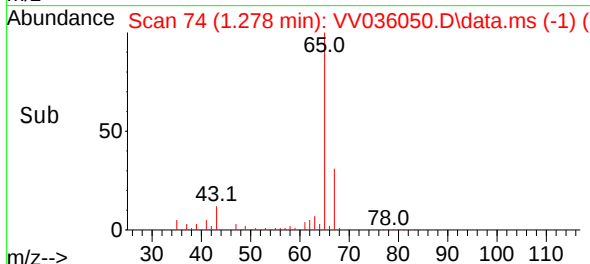
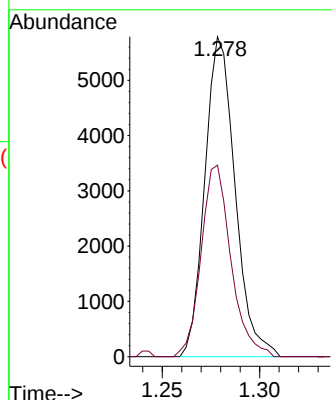
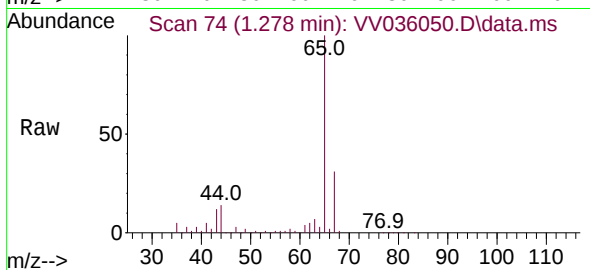
ClientSampleId :

Tgt Ion: 62 Resp: 6249

Ion Ratio Lower Upper

62 100

64 59.8 22.9 42.5#



#6

Bromomethane

Concen: 0.536 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.000 min

Lab File: VV036050.D

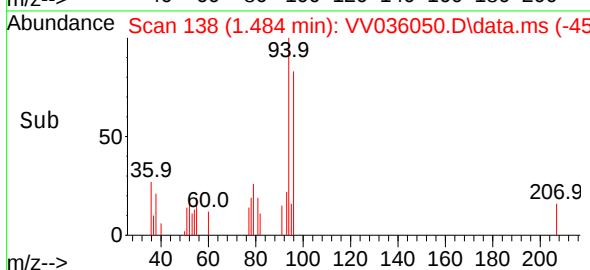
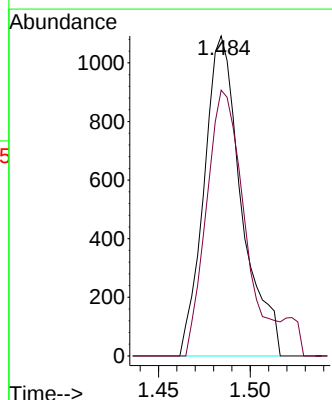
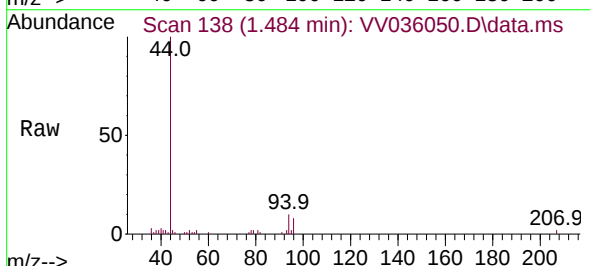
Acq: 13 Jun 2024 10:20

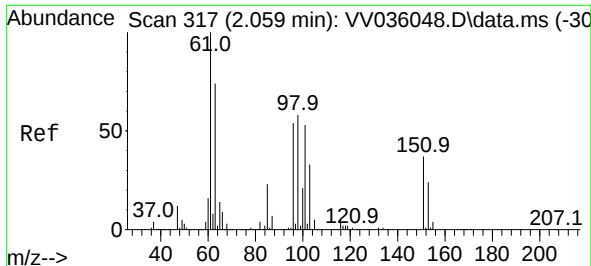
Tgt Ion: 94 Resp: 1548

Ion Ratio Lower Upper

94 100

96 83.1 65.7 122.1

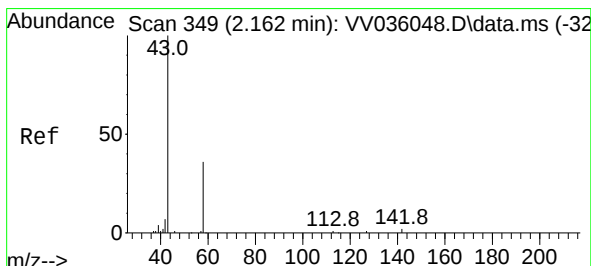
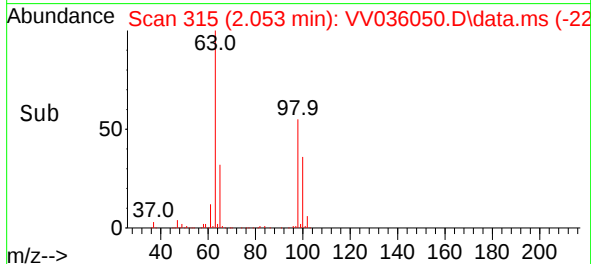
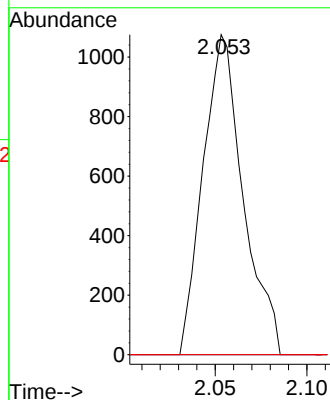
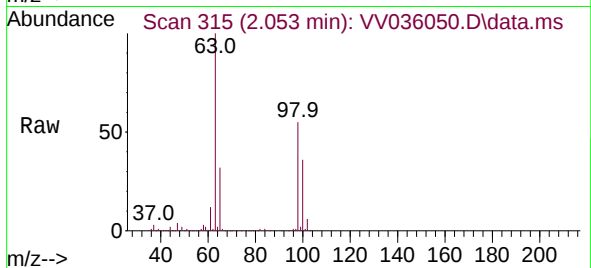




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.447 ug/L
RT: 2.053 min Scan# 317
Delta R.T. -0.006 min
Lab File: VV036050.D
Acq: 13 Jun 2024 10:20

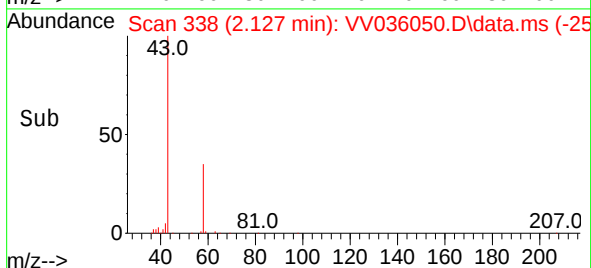
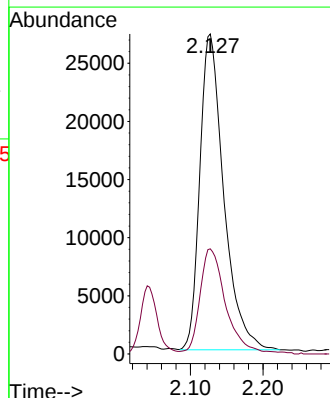
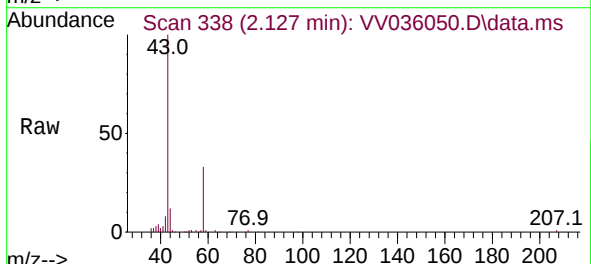
Instrument :
MSVOA_V
ClientSampleId :

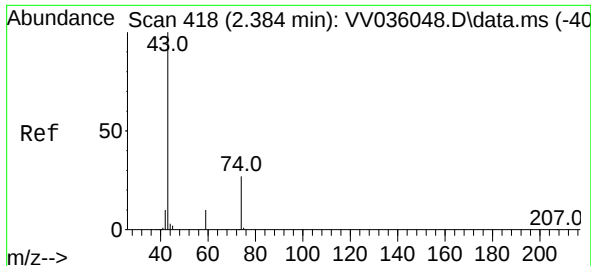
Tgt Ion:101 Resp: 1639
Ion Ratio Lower Upper
101 100
85 0.0 34.5 51.7#
151 0.0 56.3 84.5#



#13
Acetone
Concen: 44.400 ug/L
RT: 2.127 min Scan# 338
Delta R.T. -0.035 min
Lab File: VV036050.D
Acq: 13 Jun 2024 10:20

Tgt Ion: 43 Resp: 62333
Ion Ratio Lower Upper
43 100
58 33.8 0.0 24.2#





#15

Methyl Acetate

Concen: 0.665 ug/L

RT: 2.397 min Scan# 418

Delta R.T. 0.013 min

Lab File: VV036050.D

Acq: 13 Jun 2024 10:20

Instrument :

MSVOA_V

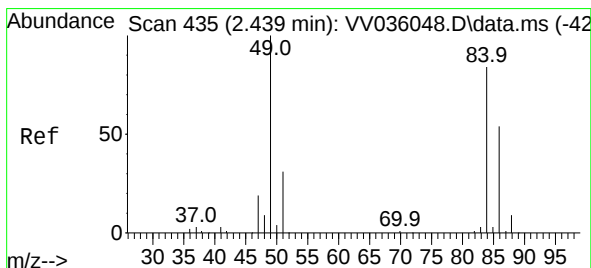
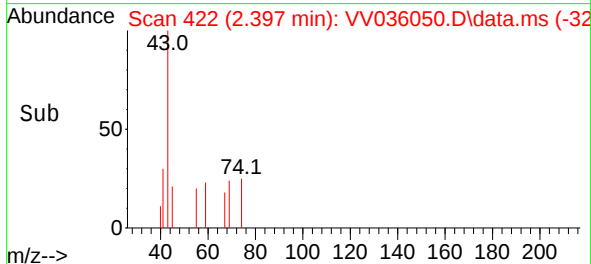
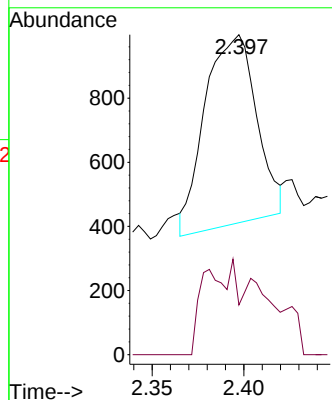
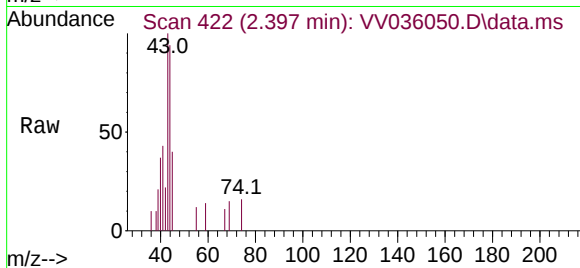
ClientSampleId :

Tgt Ion: 43 Resp: 1161

Ion Ratio Lower Upper

43 100

74 5.5 21.4 32.2#



#16

Methylene chloride

Concen: 9.393 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.003 min

Lab File: VV036050.D

Acq: 13 Jun 2024 10:20

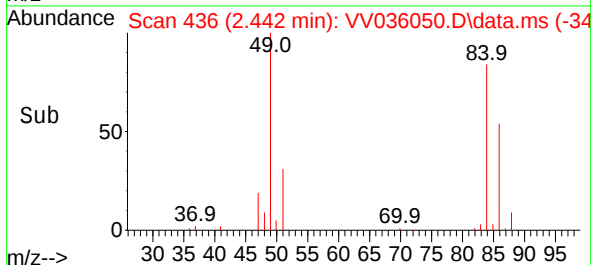
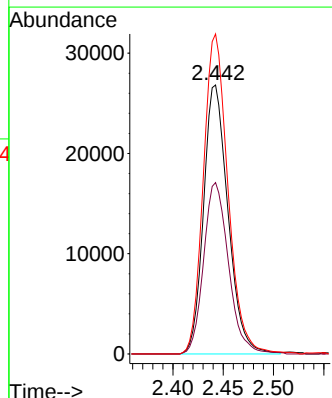
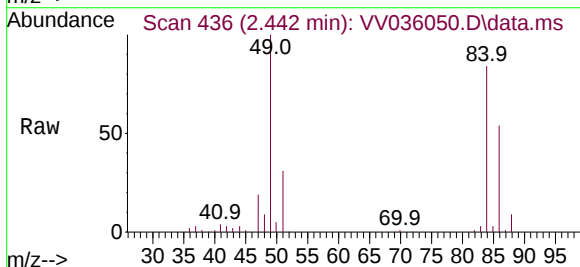
Tgt Ion: 84 Resp: 45414

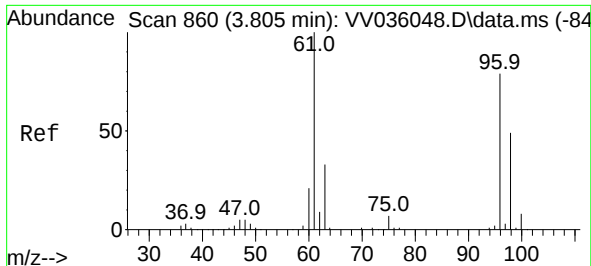
Ion Ratio Lower Upper

84 100

86 63.7 44.6 82.8

49 119.0 81.1 150.5





#20

cis-1,2-Dichloroethene

Concen: 4.160 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.007 min

Lab File: VV036050.D

Acq: 13 Jun 2024 10:20

Instrument :

MSVOA_V

ClientSampleId :

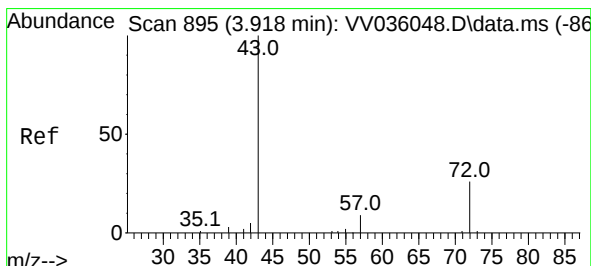
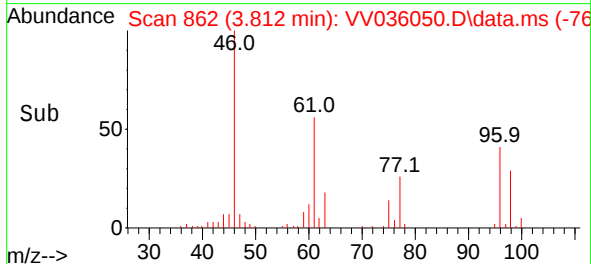
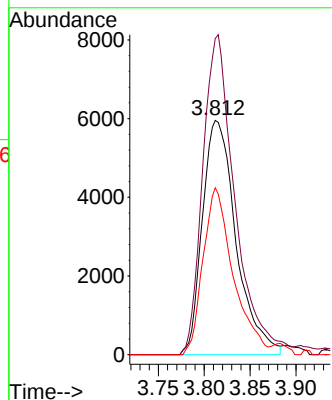
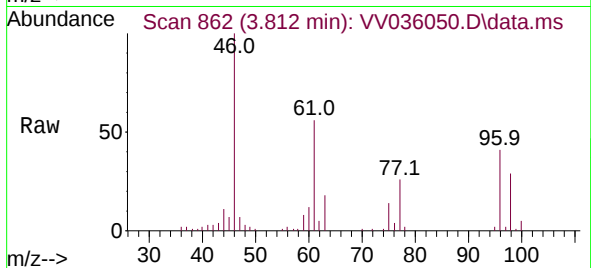
Tgt Ion: 96 Resp: 15193

Ion Ratio Lower Upper

96 100

61 134.9 87.9 163.3

98 71.2 44.4 82.5



#22

2-Butanone

Concen: 5.007 ug/L

RT: 3.921 min Scan# 896

Delta R.T. 0.003 min

Lab File: VV036050.D

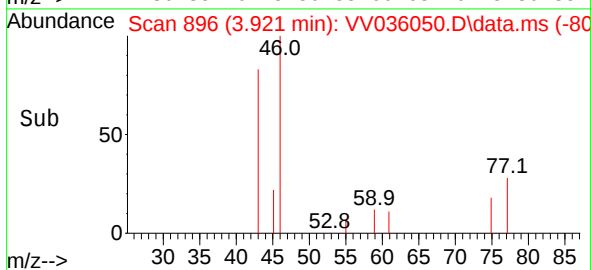
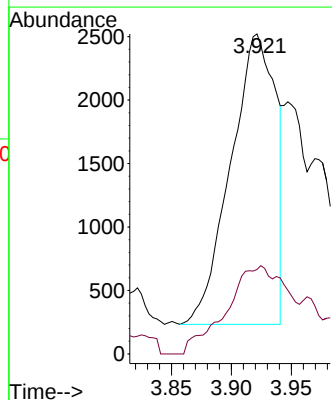
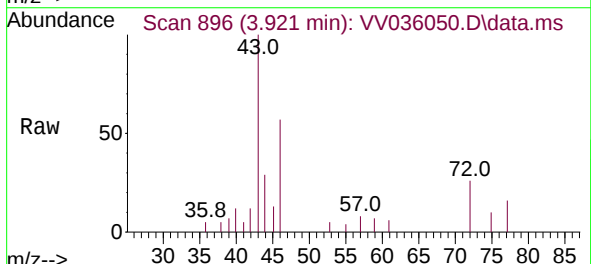
Acq: 13 Jun 2024 10:20

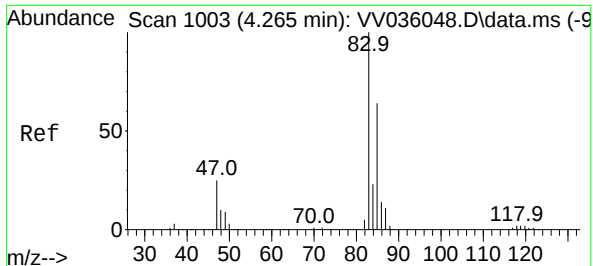
Tgt Ion: 43 Resp: 5964

Ion Ratio Lower Upper

43 100

72 11.2 8.2 24.4





#25

Chloroform

Concen: 0.598 ug/L

RT: 4.262 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV036050.D

Acq: 13 Jun 2024 10:20

Instrument :

MSVOA_V

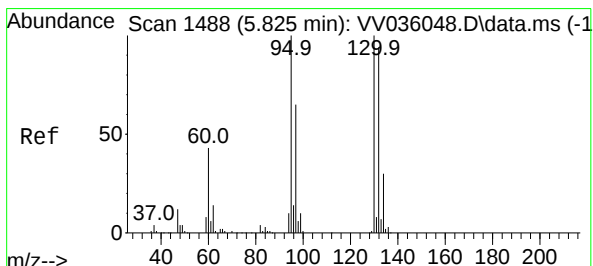
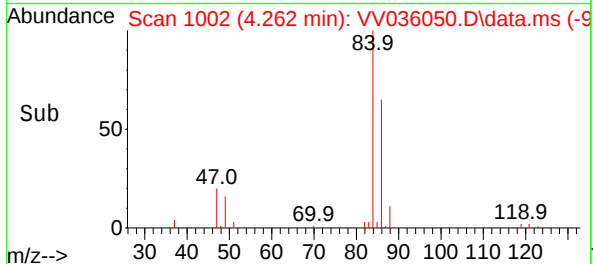
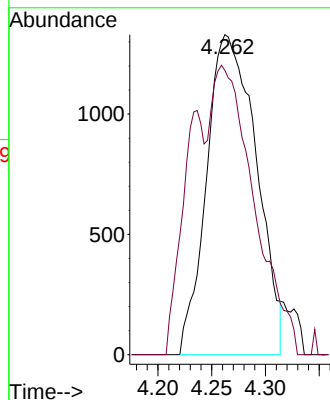
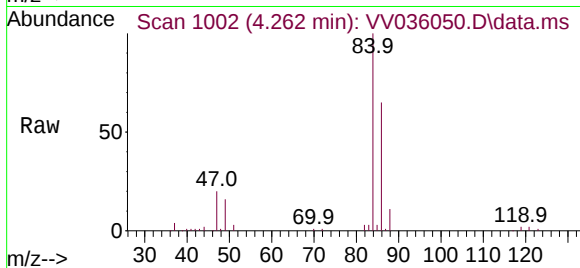
ClientSampleId :

Tgt Ion: 83 Resp: 4261

Ion Ratio Lower Upper

83 100

85 88.9 45.2 84.0#



#34

Trichloroethene

Concen: 0.551 ug/L

RT: 5.847 min Scan# 1495

Delta R.T. 0.023 min

Lab File: VV036050.D

Acq: 13 Jun 2024 10:20

Tgt Ion: 95 Resp: 2336

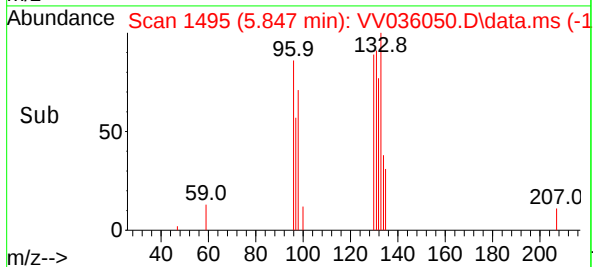
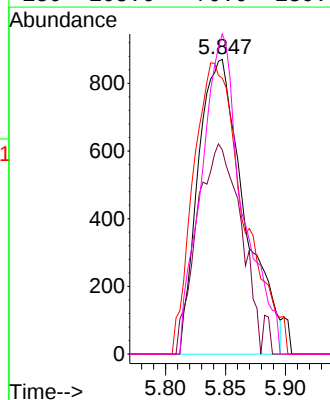
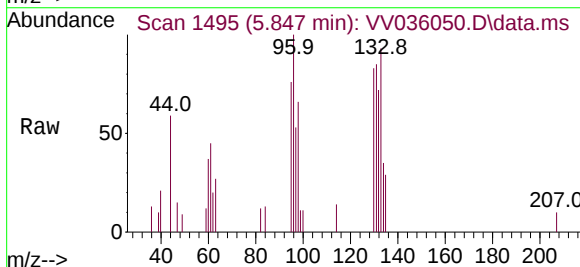
Ion Ratio Lower Upper

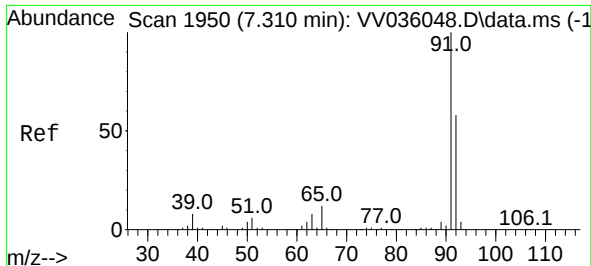
95 100

97 69.2 44.8 83.2

132 93.6 66.8 124.2

130 108.6 70.0 130.0





#42

Toluene

Concen: 0.496 ug/L

RT: 7.333 min Scan# 1950

Delta R.T. 0.023 min

Lab File: VV036050.D

Acq: 13 Jun 2024 10:20

Instrument :

MSVOA_V

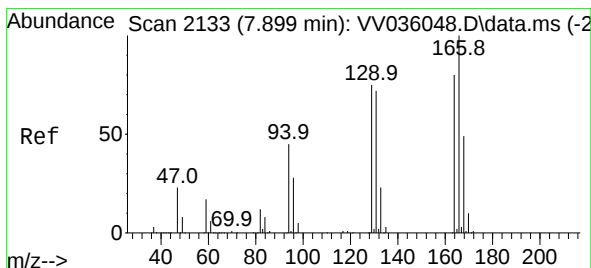
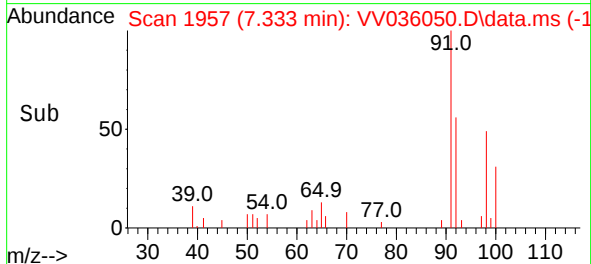
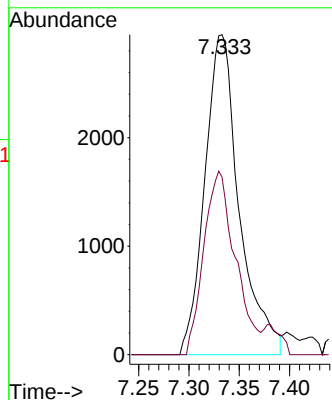
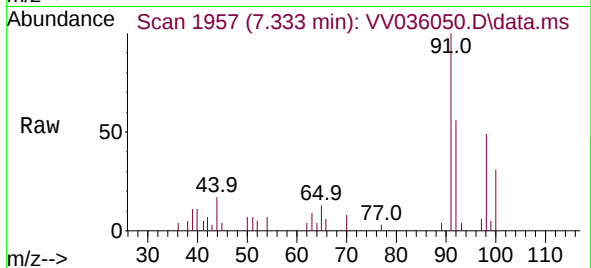
ClientSampleId :

Tgt Ion: 91 Resp: 7013

Ion Ratio Lower Upper

91 100

92 55.6 40.6 75.4



#46

Tetrachloroethene

Concen: 0.527 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. 0.013 min

Lab File: VV036050.D

Acq: 13 Jun 2024 10:20

Tgt Ion: 164 Resp: 1632

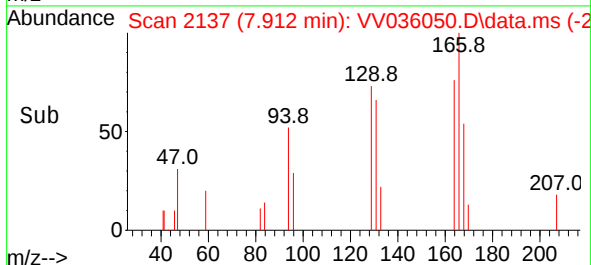
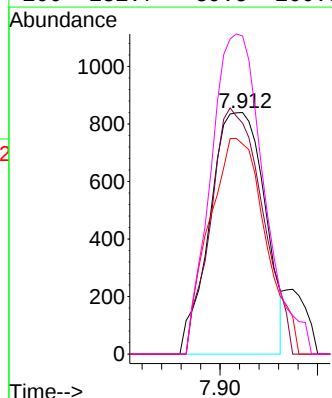
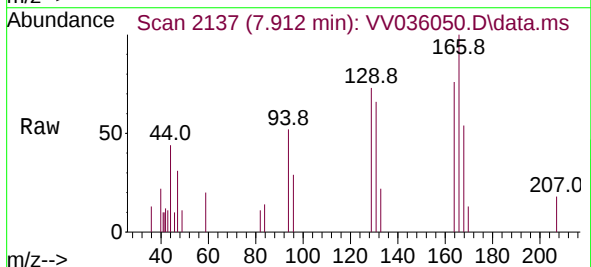
Ion Ratio Lower Upper

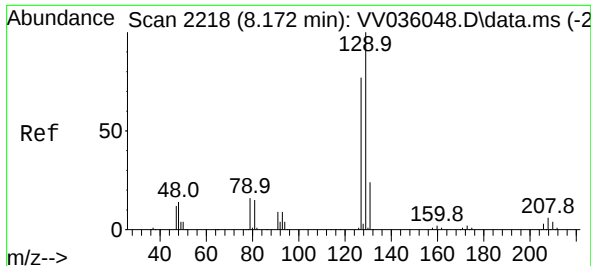
164 100

129 95.6 64.6 120.0

131 86.9 63.2 117.4

166 131.7 89.5 166.3





#49

Dibromochloromethane

Concen: 0.479 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.267 min

Lab File: VV036050.D

Acq: 13 Jun 2024 10:20

Instrument :

MSVOA_V

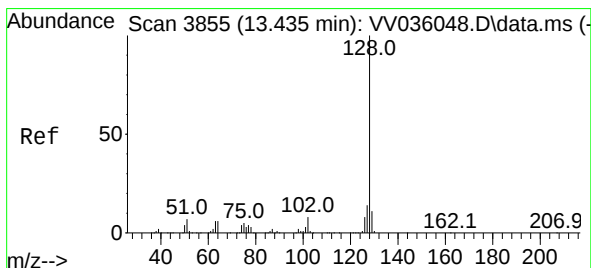
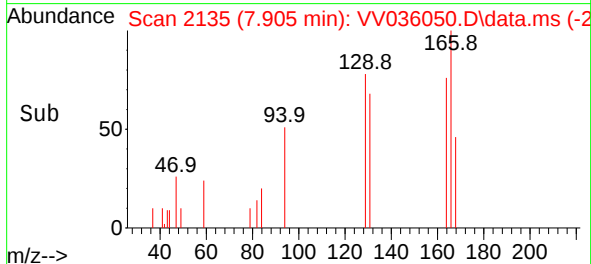
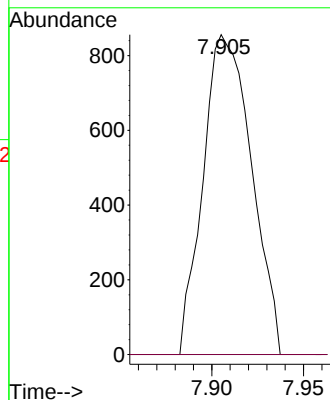
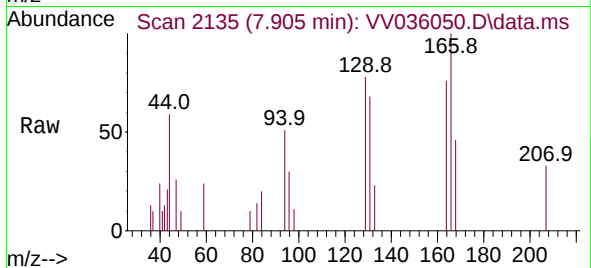
ClientSampleId :

Tgt Ion:129 Resp: 1575

Ion Ratio Lower Upper

129 100

127 0.0 53.9 100.1#



#71

Naphthalene

Concen: 0.650 ug/L

RT: 13.451 min Scan# 3860

Delta R.T. 0.016 min

Lab File: VV036050.D

Acq: 13 Jun 2024 10:20

Tgt Ion:128 Resp: 3470

Ion Ratio Lower Upper

128 100

127 15.7 10.6 16.0

129 5.0 8.8 13.2#

