

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061724\
 Data File : VV036097.D
 Acq On : 17 Jun 2024 13:36
 Operator : SY/MD
 Sample : P2856-09
 Misc : 3.56g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 18 02:11:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 18 02:10:19 2024
 Response via : Initial Calibration

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

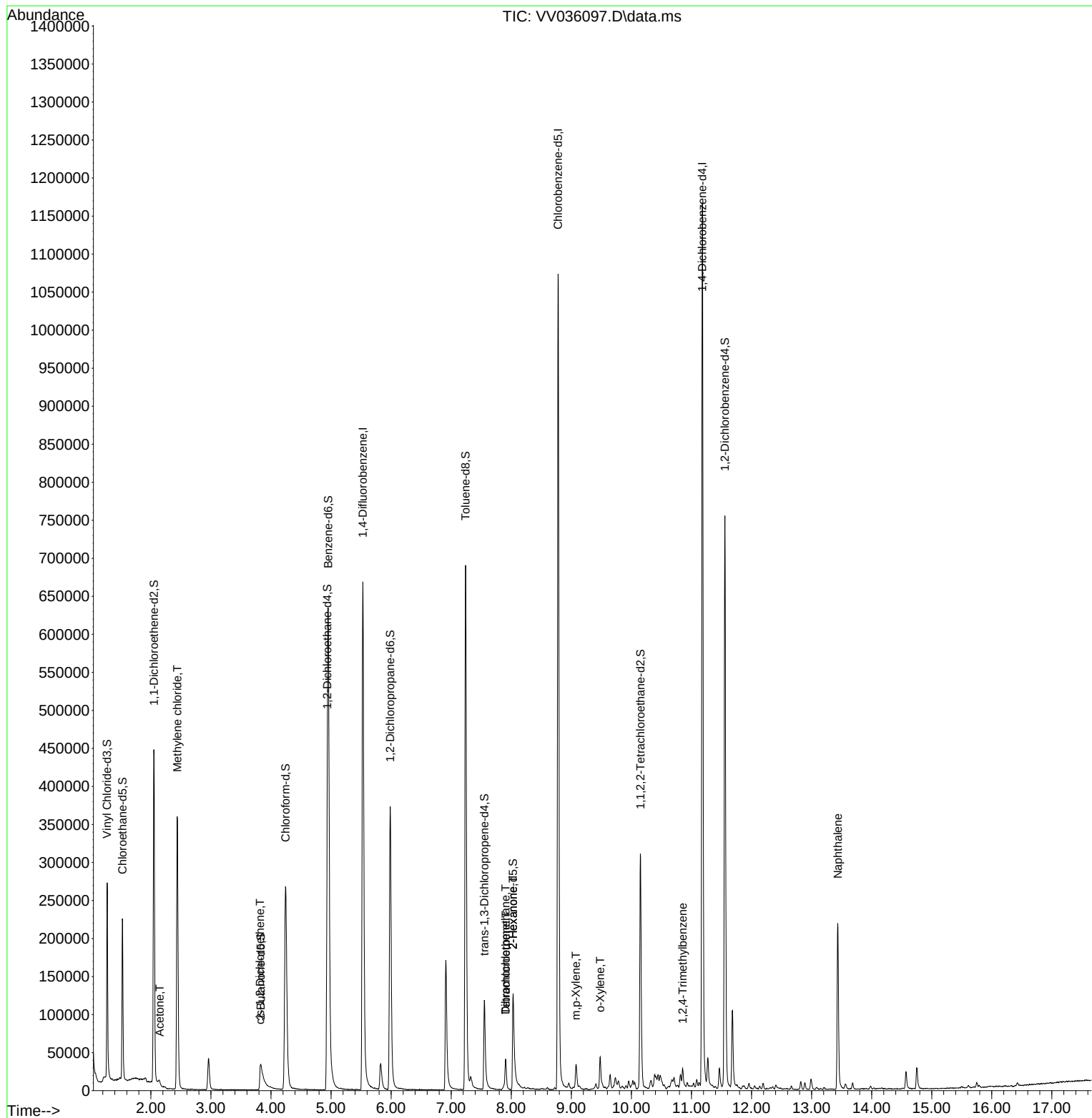
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	582489	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	596289	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	304696	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	169193	15.799	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.200%
7) Chloroethane-d5	1.526	69	139452	16.331	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.320%
11) 1,1-Dichloroethene-d2	2.050	65	75623	15.862	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.440%
21) 2-Butanone-d5	3.831	46	64579	26.283	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	52.560%
24) Chloroform-d	4.243	84	297187	16.048	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	64.200%
26) 1,2-Dichloroethane-d4	4.937	65	172427	17.759	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	71.040%
32) Benzene-d6	4.953	84	569738	16.074	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	64.280%
36) 1,2-Dichloropropane-d6	5.986	67	188383	16.877	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	67.520%#
41) Toluene-d8	7.240	98	476631	15.240	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	60.960%
43) trans-1,3-Dichloroprop...	7.551	79	75886	16.581	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	66.320%
47) 2-Hexanone-d5	8.031	63	49106	32.471	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.940%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	150335	18.024	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	72.080%
66) 1,2-Dichlorobenzene-d4	11.558	152	198121	17.731	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	70.920%#
Target Compounds						Qvalue
13) Acetone	2.147	43	5635	1.472	ug/L	89
16) Methylene chloride	2.439	84	154358	11.711	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	5372	0.540	ug/L	94
46) Tetrachloroethene	7.908	164	9472	1.084	ug/L	98
48) 2-Hexanone	8.031	43	6458	1.485	ug/L #	72
49) Dibromochloromethane	7.905	129	9415	1.015	ug/L #	11
53) m,p-Xylene	9.079	106	8771	0.547	ug/L	92
54) o-Xylene	9.481	106	11693	0.774	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	11832	0.387	ug/L	97
71) Naphthalene	13.435	128	180230	9.134	ug/L	99

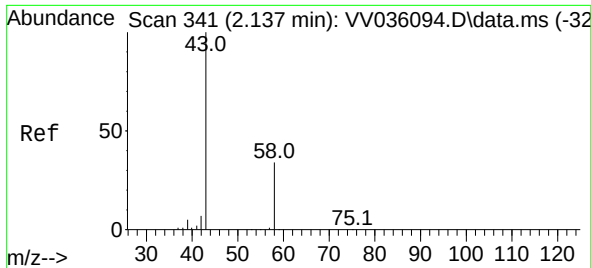
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Jun 18 02:10:19 2024
Response via : Initial Calibration





#13

Acetone

Concen: 1.472 ug/L

RT: 2.147 min Scan# 341

Delta R.T. 0.010 min

Lab File: VV036097.D

Acq: 17 Jun 2024 13:36

Instrument :

MSVOA_V

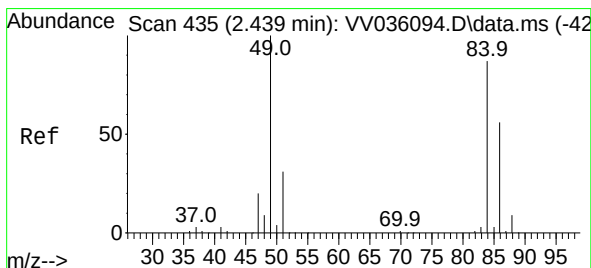
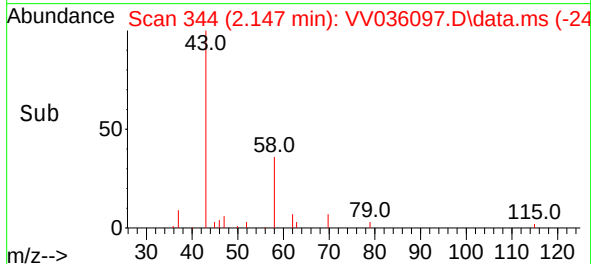
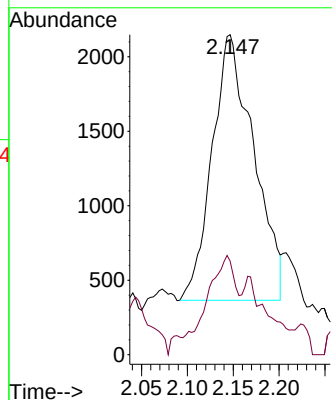
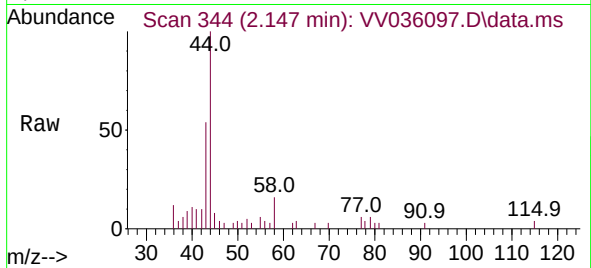
ClientSampleId :

Tgt Ion: 43 Resp: 5635

Ion Ratio Lower Upper

43 100

58 16.2 0.0 24.2



#16

Methylene chloride

Concen: 11.711 ug/L

RT: 2.439 min Scan# 435

Delta R.T. 0.000 min

Lab File: VV036097.D

Acq: 17 Jun 2024 13:36

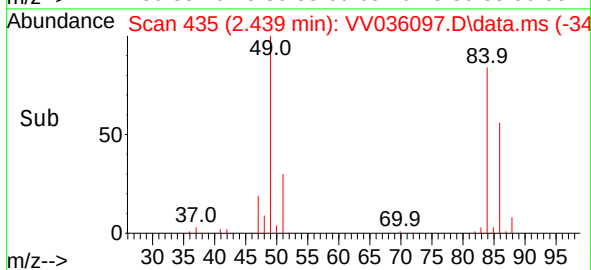
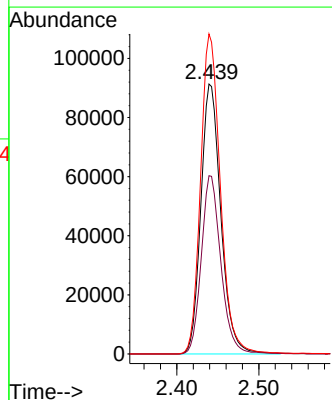
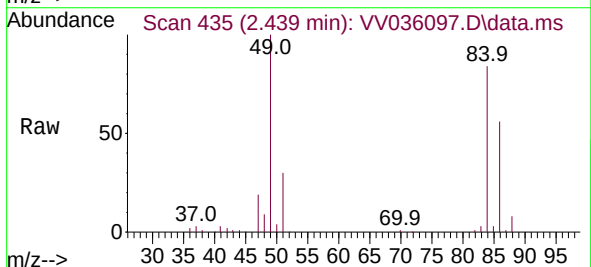
Tgt Ion: 84 Resp: 154358

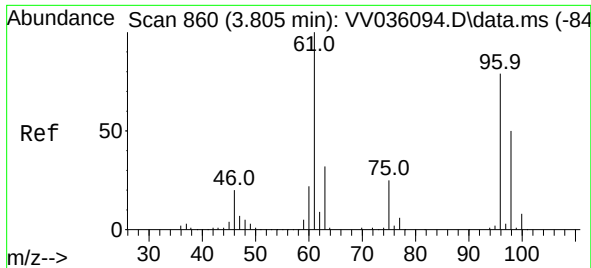
Ion Ratio Lower Upper

84 100

86 66.0 44.6 82.8

49 118.5 81.1 150.5





#20

cis-1,2-Dichloroethene

Concen: 0.540 ug/L

RT: 3.818 min Scan# 860

Delta R.T. 0.013 min

Lab File: VV036097.D

Acq: 17 Jun 2024 13:36

Instrument :

MSVOA_V

ClientSampleId :

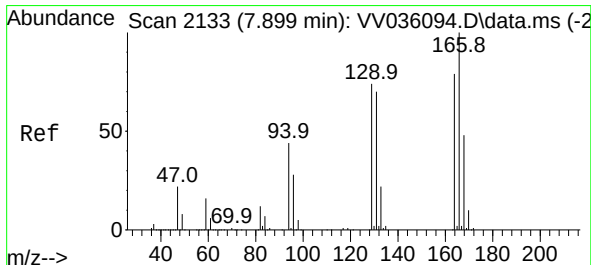
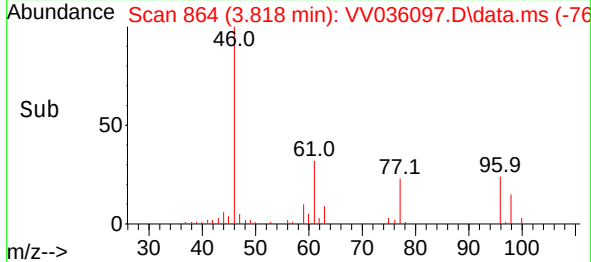
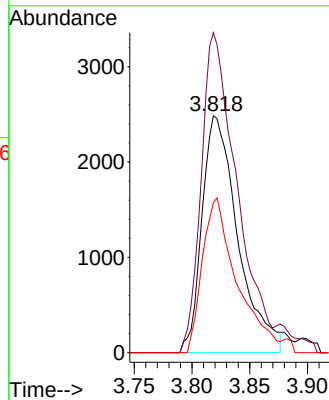
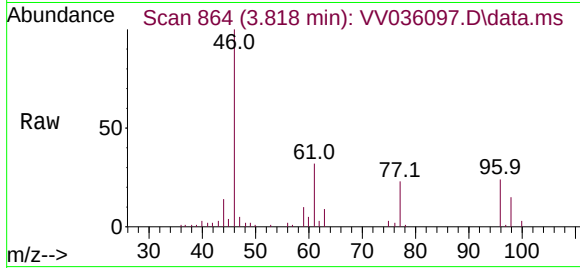
Tgt Ion: 96 Resp: 5372

Ion Ratio Lower Upper

96 100

61 135.1 87.9 163.3

98 63.2 44.4 82.5



#46

Tetrachloroethene

Concen: 1.084 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.010 min

Lab File: VV036097.D

Acq: 17 Jun 2024 13:36

Tgt Ion:164 Resp: 9472

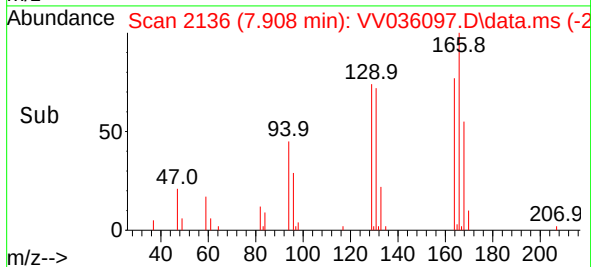
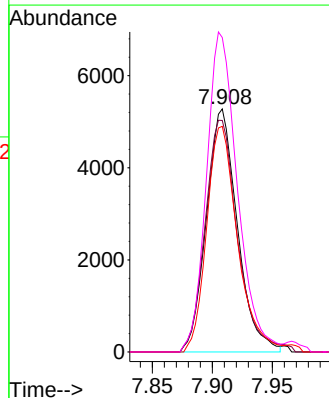
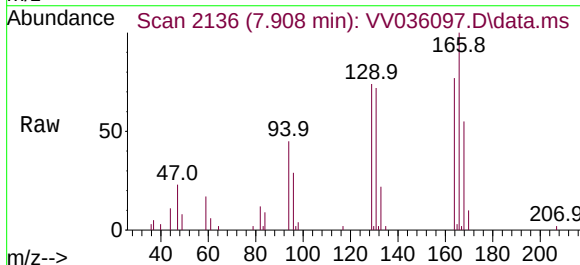
Ion Ratio Lower Upper

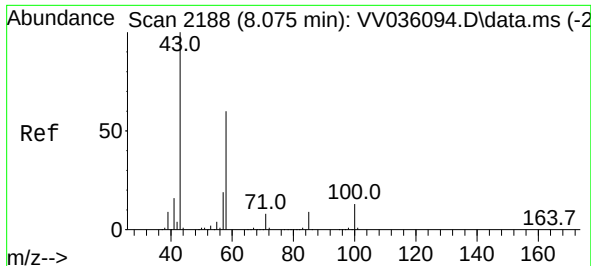
164 100

129 95.3 64.6 120.0

131 92.9 63.2 117.4

166 129.4 89.5 166.3





#48

2-Hexanone

Concen: 1.485 ug/L

RT: 8.031 min Scan# 21

Delta R.T. -0.045 min

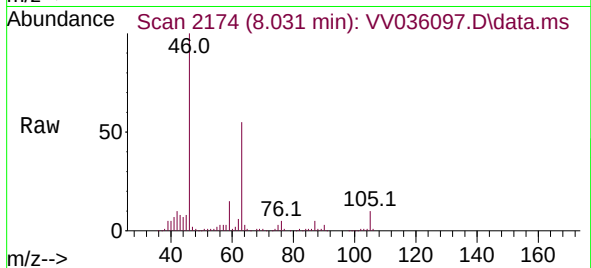
Lab File: VV036097.D

Acq: 17 Jun 2024 13:36

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 6458

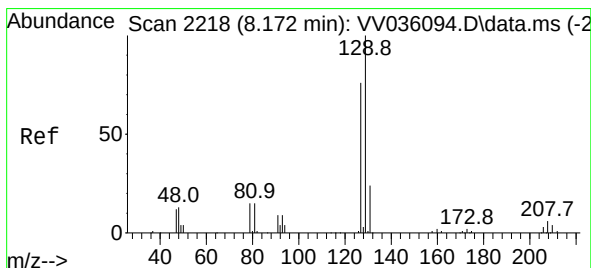
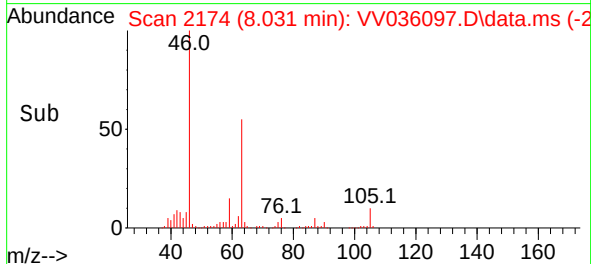
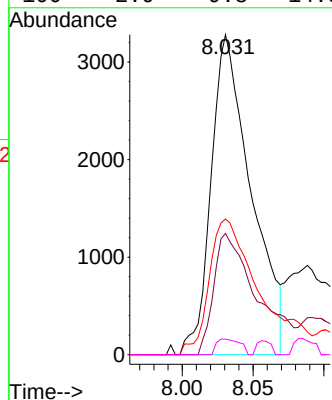
Ion Ratio Lower Upper

43 100

58 41.1 45.4 68.0#

57 43.4 15.8 23.8#

100 2.9 9.8 14.8#



#49

Dibromochloromethane

Concen: 1.015 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.267 min

Lab File: VV036097.D

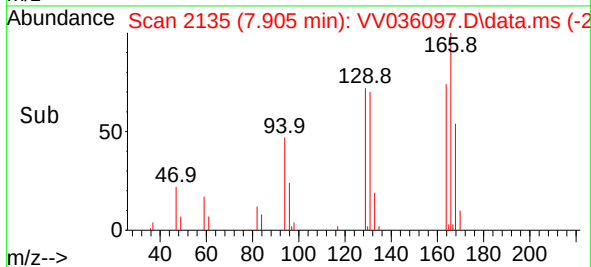
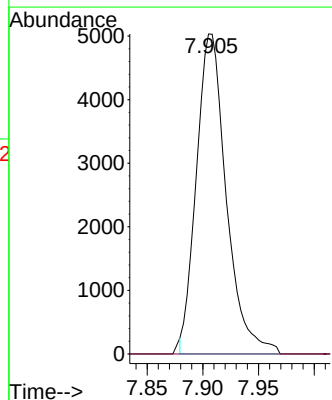
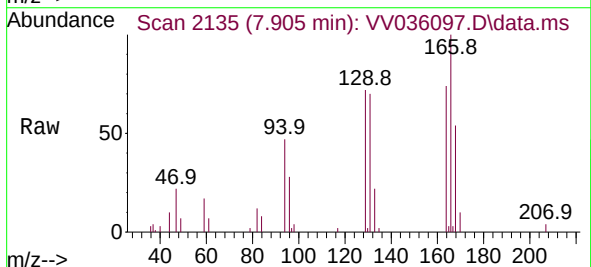
Acq: 17 Jun 2024 13:36

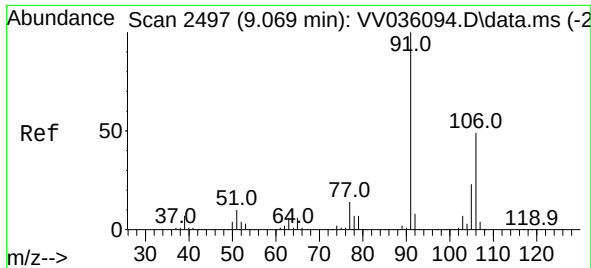
Tgt Ion: 129 Resp: 9415

Ion Ratio Lower Upper

129 100

127 0.0 53.9 100.1#

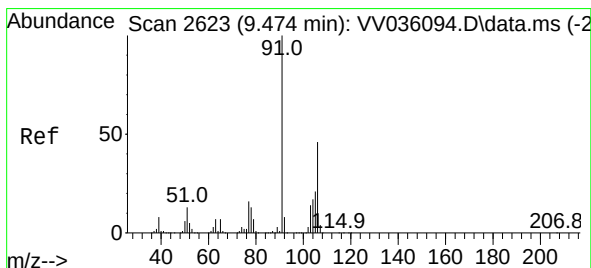
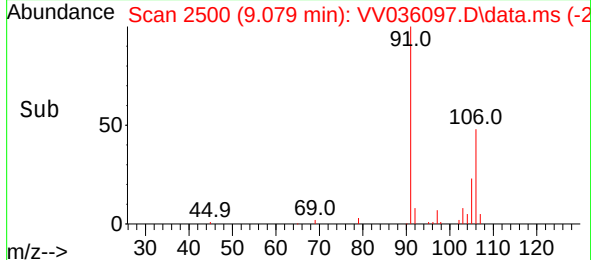
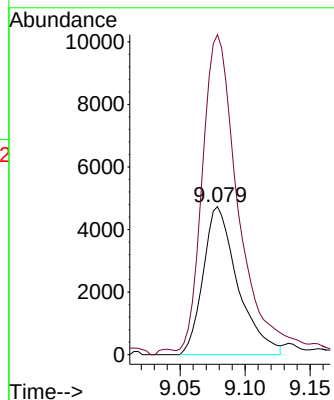
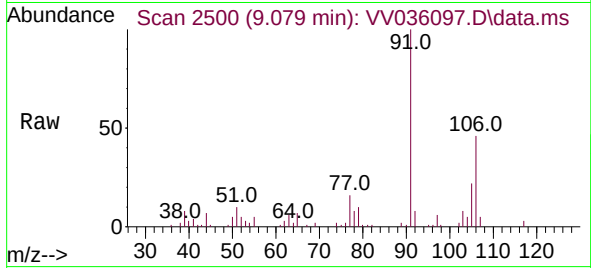




#53
m,p-Xylene
Concen: 0.547 ug/L
RT: 9.079 min Scan# 2497
Delta R.T. 0.010 min
Lab File: VV036097.D
Acq: 17 Jun 2024 13:36

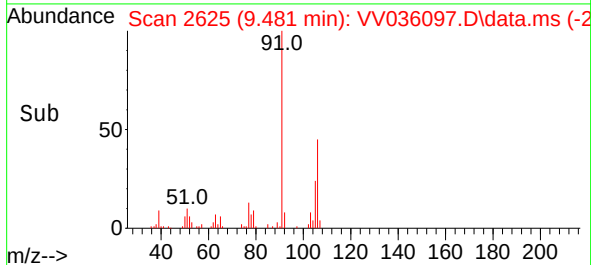
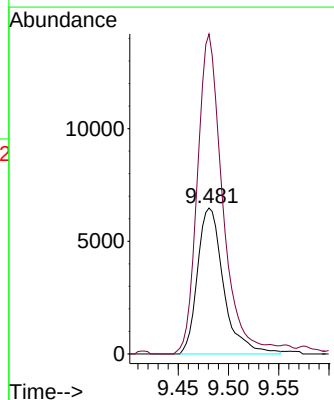
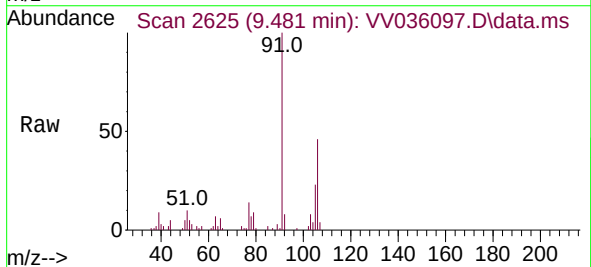
Instrument :
MSVOA_V
ClientSampleId :

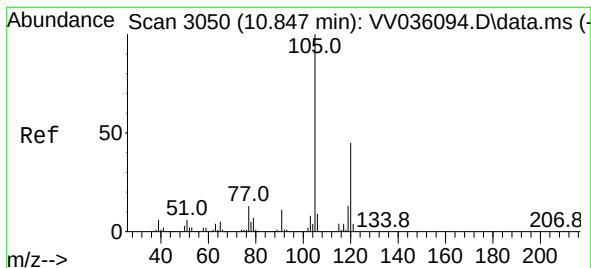
Tgt Ion:106 Resp: 8771
Ion Ratio Lower Upper
106 100
91 216.2 143.1 265.9



#54
o-Xylene
Concen: 0.774 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.007 min
Lab File: VV036097.D
Acq: 17 Jun 2024 13:36

Tgt Ion:106 Resp: 11693
Ion Ratio Lower Upper
106 100
91 219.4 154.5 286.9





#63

1,2,4-Trimethylbenzene

Concen: 0.387 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.007 min

Lab File: VV036097.D

Acq: 17 Jun 2024 13:36

Instrument :

MSVOA_V

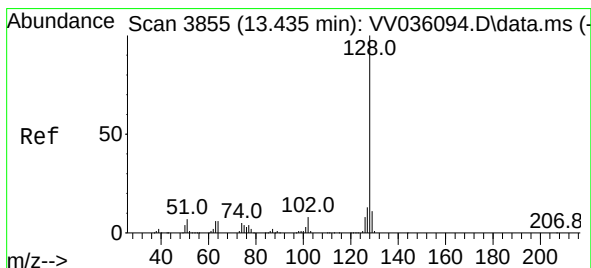
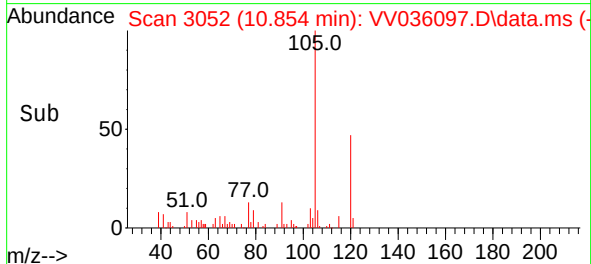
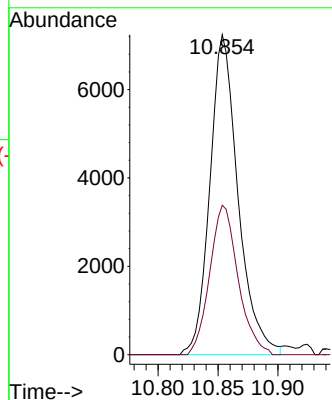
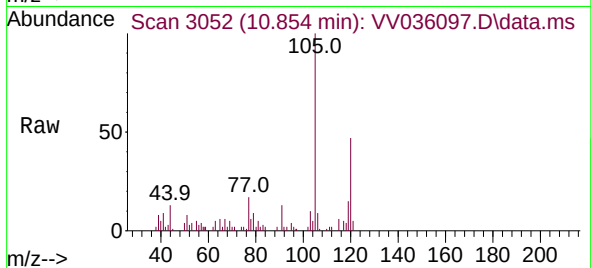
ClientSampleId :

Tgt Ion:105 Resp: 11832

Ion Ratio Lower Upper

105 100

120 47.0 36.2 54.4



#71

Naphthalene

Concen: 9.134 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV036097.D

Acq: 17 Jun 2024 13:36

Tgt Ion:128 Resp: 180230

Ion Ratio Lower Upper

128 100

127 14.1 10.6 16.0

129 11.2 8.8 13.2

