

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061824\
 Data File : VU059332.D
 Acq On : 18 Jun 2024 23:25
 Operator : MD/SY
 Sample : P2873-03 200X
 Misc : 2.64g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 19 05:40:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 19 05:32:50 2024
 Response via : Initial Calibration

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

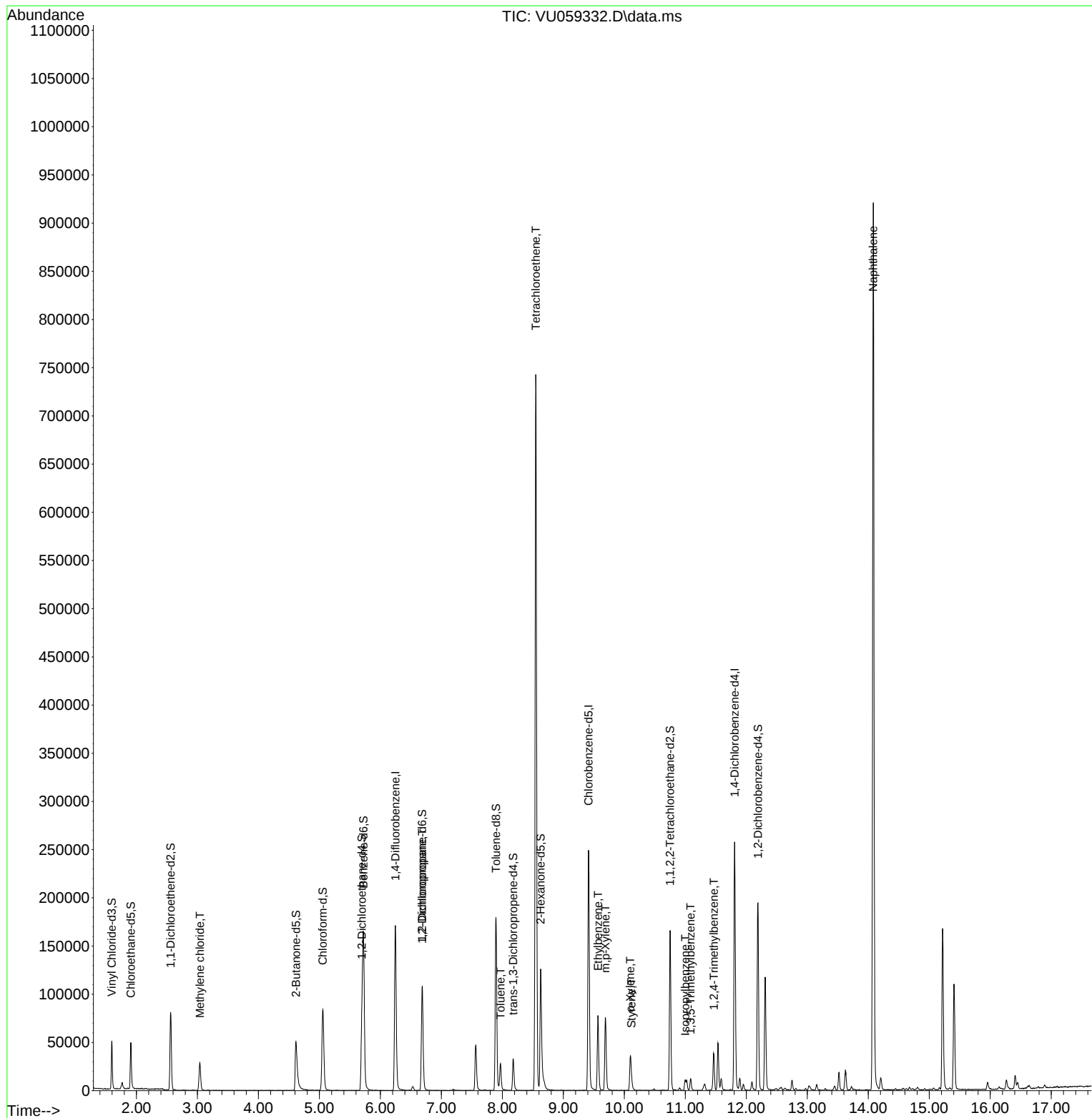
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	142821	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	144624	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	71199	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	37414	43.752	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.500%		
7) Chloroethane-d5	1.908	69	36896	50.369	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	100.740%		
11) 1,1-Dichloroethene-d2	2.560	63	49407	29.271	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	58.540%#		
21) 2-Butanone-d5	4.615	46	75015	93.069	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.070%		
24) Chloroform-d	5.055	84	81642	47.959	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.920%		
26) 1,2-Dichloroethane-d4	5.695	65	53103	50.895	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.800%		
32) Benzene-d6	5.721	84	158067	47.620	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.240%		
36) 1,2-Dichloropropane-d6	6.685	67	53300	46.571	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.140%		
41) Toluene-d8	7.894	98	126937	45.048	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.100%		
43) trans-1,3-Dichloroprop...	8.177	79	19535	42.226	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.460%		
47) 2-Hexanone-d5	8.628	63	41906	79.180	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	79.180%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	84376	43.561	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	87.120%		
66) 1,2-Dichlorobenzene-d4	12.190	152	53857	50.688	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.380%		
Target Compounds						Qvalue
16) Methylene chloride	3.039	84	14925	10.930	ug/L	90
37) 1,2-Dichloropropane	6.682	63	6037	4.071	ug/L #	90
42) Toluene	7.968	91	22009	4.199	ug/L	99
46) Tetrachloroethene	8.547	164	168547	197.886	ug/L	91
52) Ethylbenzene	9.566	91	53317	9.866	ug/L	98
53) m,p-Xylene	9.689	106	23229	11.695	ug/L	96
54) o-Xylene	10.097	106	9377	4.871	ug/L	94
55) Styrene	10.116	104	6998	2.139	ug/L	93
61) Isopropylbenzene	11.000	105	6802	1.358	ug/L	93
62) 1,3,5-Trimethylbenzene	11.087	105	7267	2.002	ug/L	97
63) 1,2,4-Trimethylbenzene	11.467	105	20636	5.245	ug/L	95
71) Naphthalene	14.081	128	728458	186.365	ug/L	99

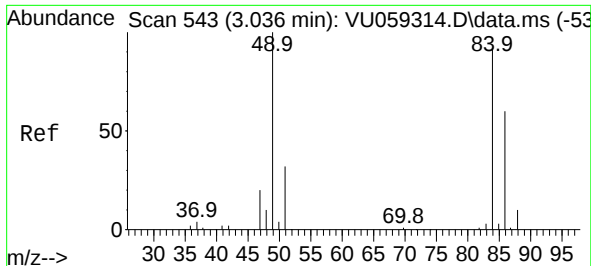
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

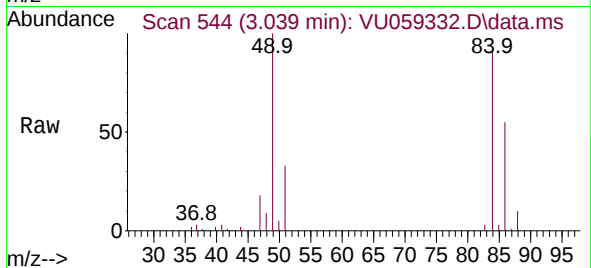
Quant Time: Jun 19 05:40:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 19 05:32:50 2024
Response via : Initial Calibration



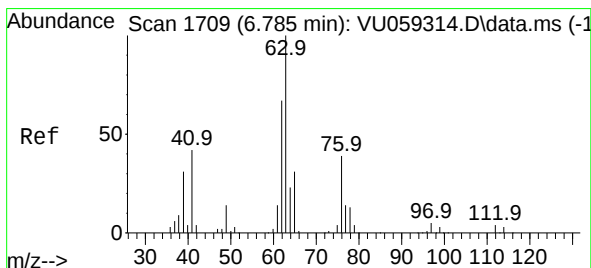
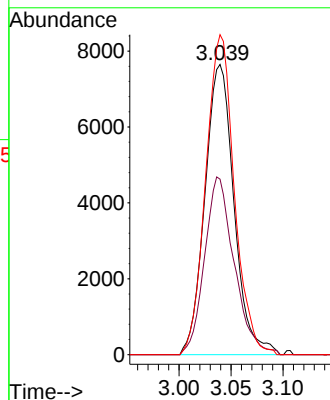
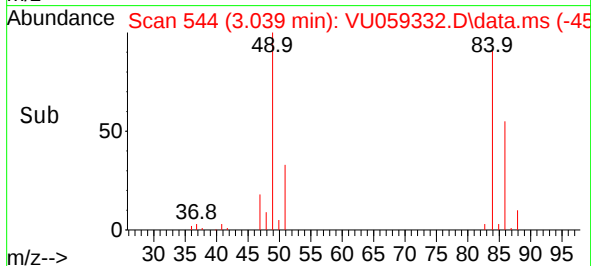


#16
Methylene chloride
Concen: 10.930 ug/L
RT: 3.039 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU059332.D
Acq: 18 Jun 2024 23:25

Instrument :
MSVOA_U
ClientSampleId :

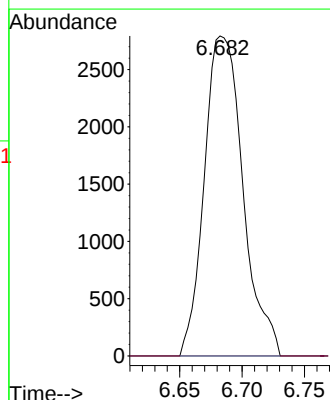
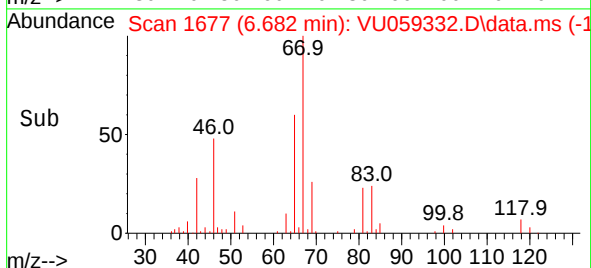
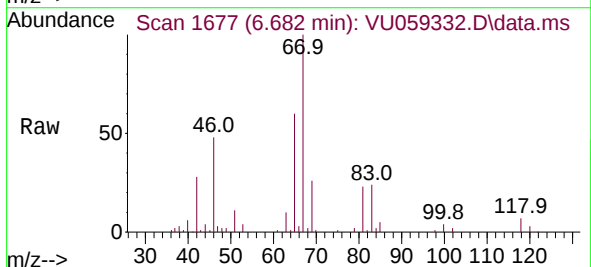


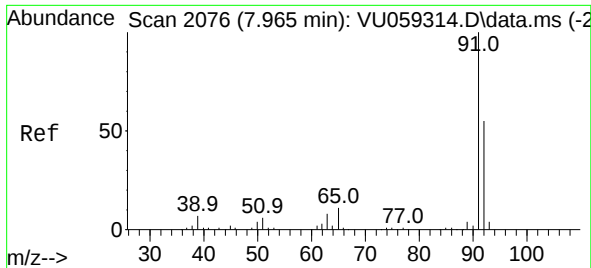
Tgt Ion: 84 Resp: 14925
Ion Ratio Lower Upper
84 100
86 60.5 44.9 83.3
49 110.3 87.5 162.5



#37
1,2-Dichloropropane
Concen: 4.071 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.103 min
Lab File: VU059332.D
Acq: 18 Jun 2024 23:25

Tgt Ion: 63 Resp: 6037
Ion Ratio Lower Upper
63 100
112 0.0 2.6 4.0#





#42

Toluene

Concen: 4.199 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU059332.D

Acq: 18 Jun 2024 23:25

Instrument :

MSVOA_U

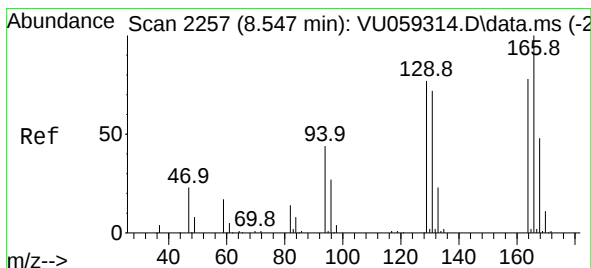
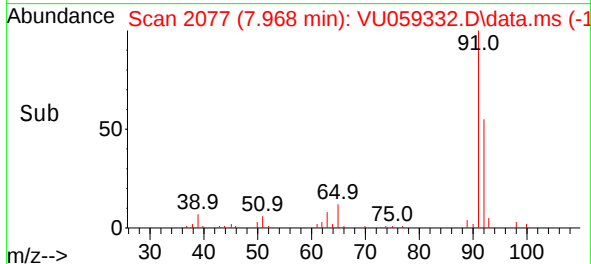
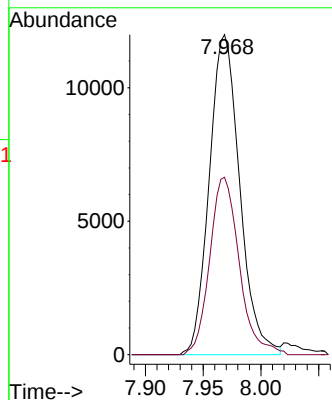
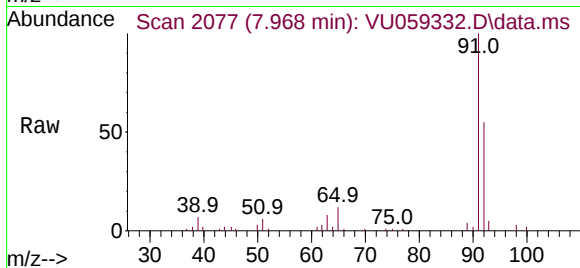
ClientSampleId :

Tgt Ion: 91 Resp: 22009

Ion Ratio Lower Upper

91 100

92 55.4 39.4 73.2



#46

Tetrachloroethene

Concen: 197.886 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU059332.D

Acq: 18 Jun 2024 23:25

Tgt Ion: 164 Resp: 168547

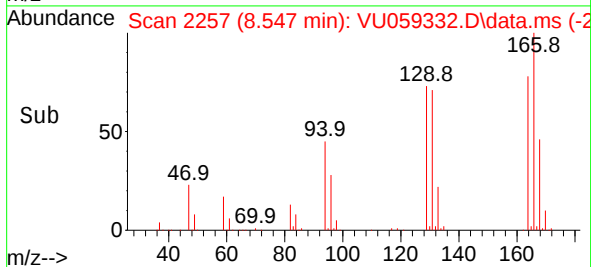
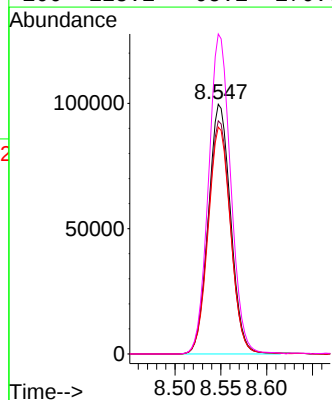
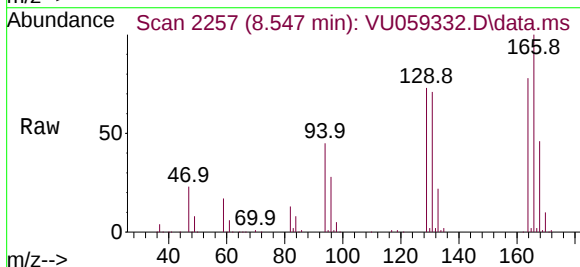
Ion Ratio Lower Upper

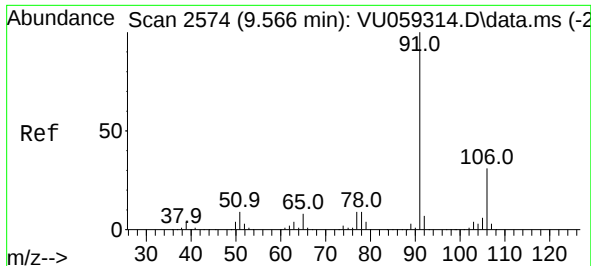
164 100

129 93.3 74.5 138.5

131 90.8 70.6 131.0

166 128.1 95.1 176.7

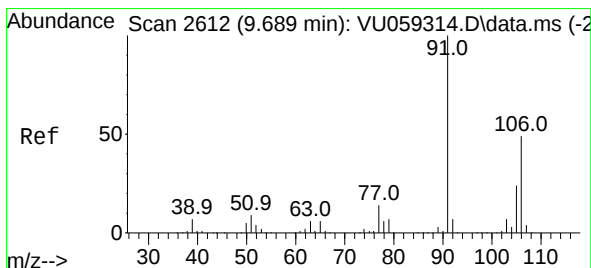
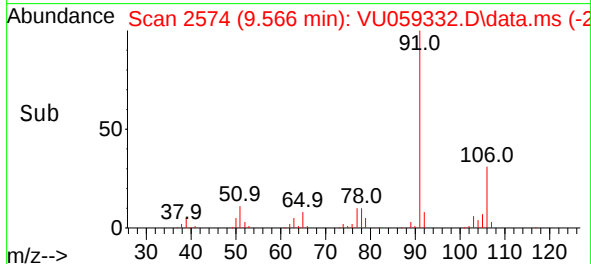
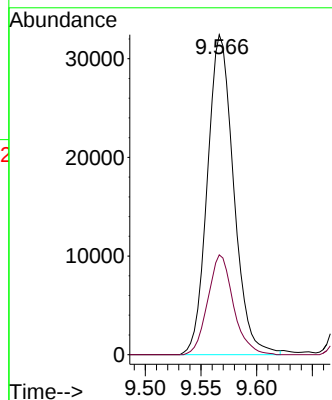
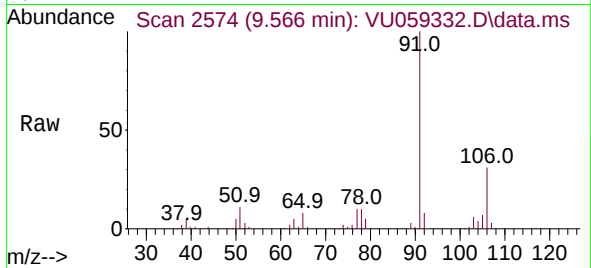




#52
Ethylbenzene
Concen: 9.866 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU059332.D
Acq: 18 Jun 2024 23:25

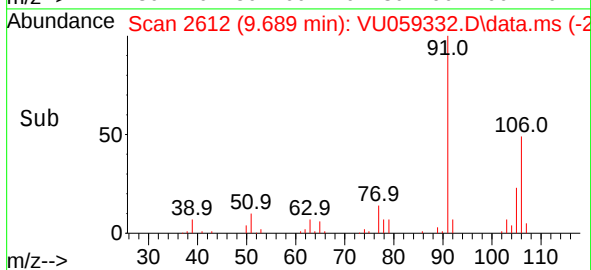
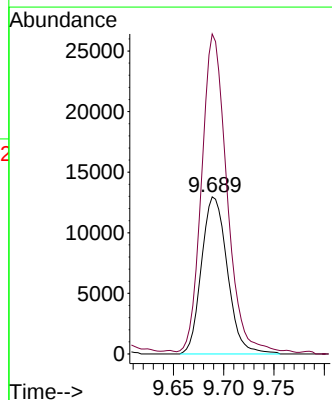
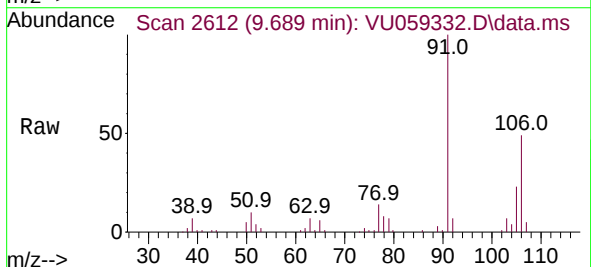
Instrument :
MSVOA_U
ClientSampleId :

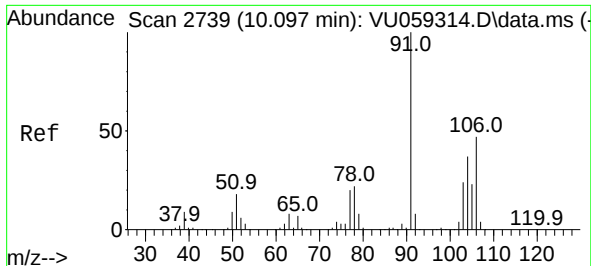
Tgt Ion: 91 Resp: 53317
Ion Ratio Lower Upper
91 100
106 31.2 21.0 39.0



#53
m,p-Xylene
Concen: 11.695 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU059332.D
Acq: 18 Jun 2024 23:25

Tgt Ion: 106 Resp: 23229
Ion Ratio Lower Upper
106 100
91 203.6 146.4 272.0

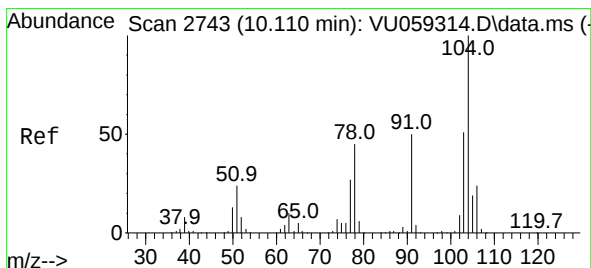
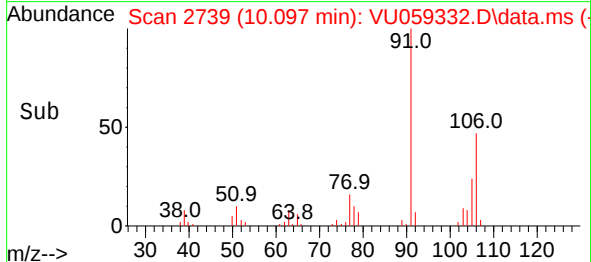
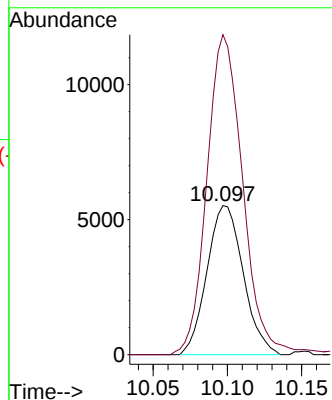
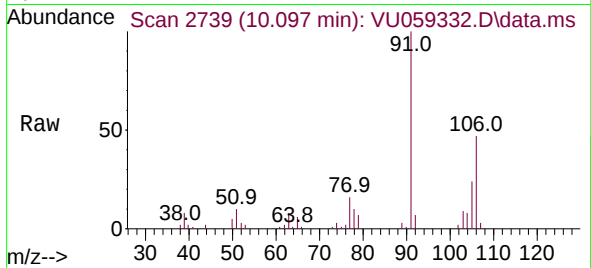




#54
o-Xylene
Concen: 4.871 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059332.D
Acq: 18 Jun 2024 23:25

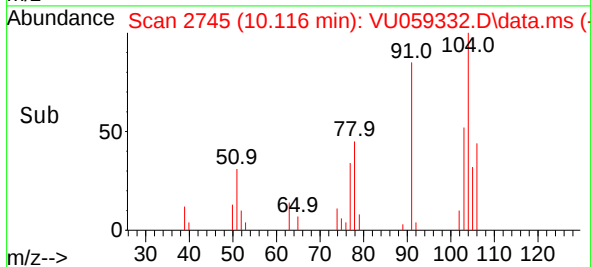
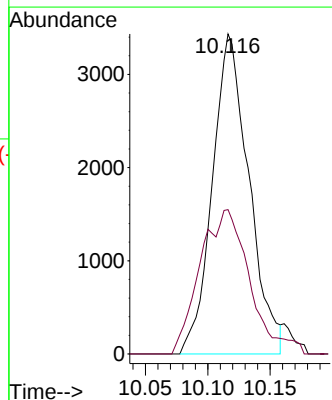
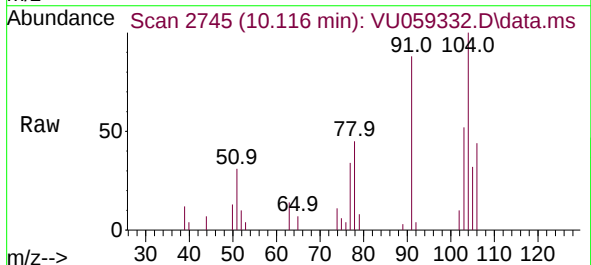
Instrument :
MSVOA_U
ClientSampleId :

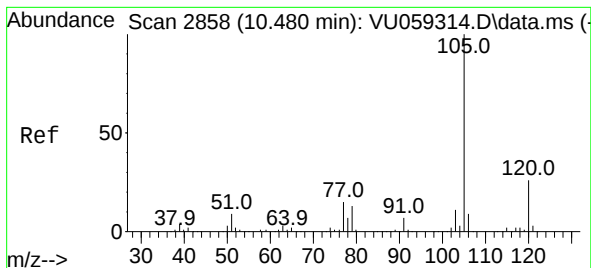
Tgt Ion:106 Resp: 9377
Ion Ratio Lower Upper
106 100
91 214.7 156.7 290.9



#55
Styrene
Concen: 2.139 ug/L
RT: 10.116 min Scan# 2745
Delta R.T. 0.006 min
Lab File: VU059332.D
Acq: 18 Jun 2024 23:25

Tgt Ion:104 Resp: 6998
Ion Ratio Lower Upper
104 100
78 45.1 34.7 64.5





#61

Isopropylbenzene

Concen: 1.358 ug/L

RT: 11.000 min Scan# 3020

Delta R.T. 0.521 min

Lab File: VU059332.D

Acq: 18 Jun 2024 23:25

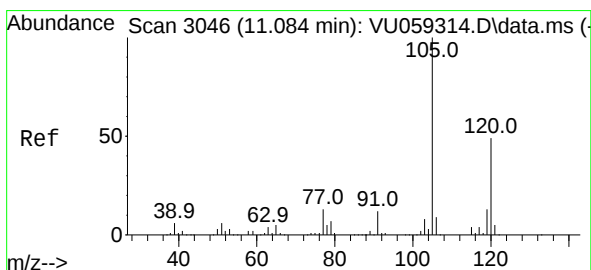
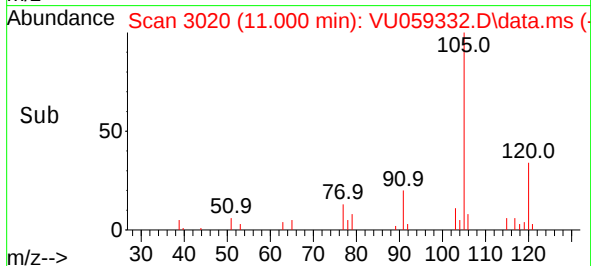
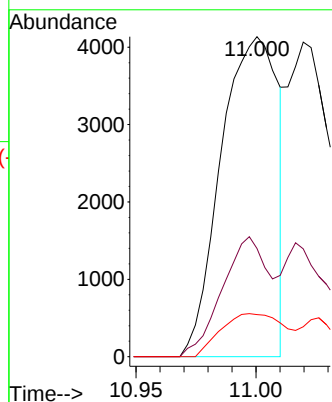
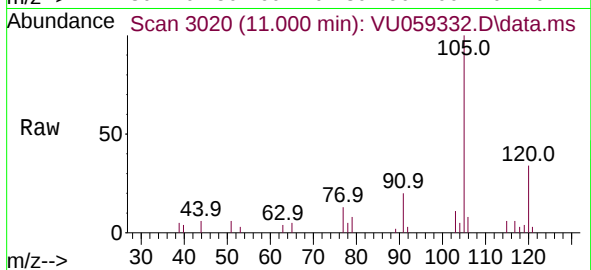
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:105 Resp: 6802

Ion	Ratio	Lower	Upper
105	100		
120	30.1	20.3	30.5
77	15.2	13.4	20.0



#62

1,3,5-Trimethylbenzene

Concen: 2.002 ug/L

RT: 11.087 min Scan# 3047

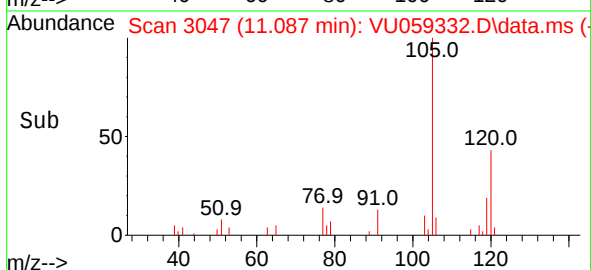
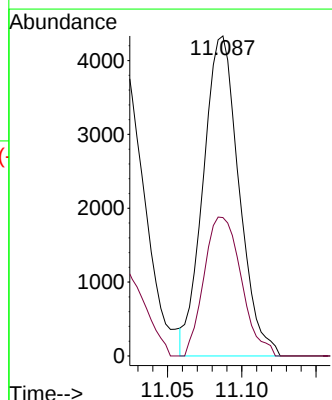
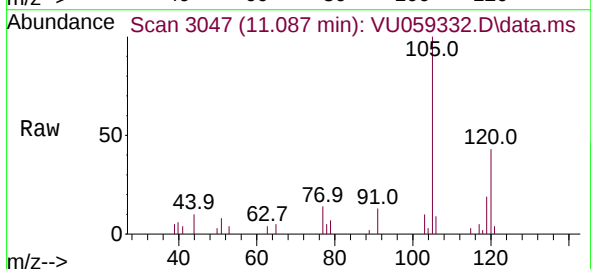
Delta R.T. 0.003 min

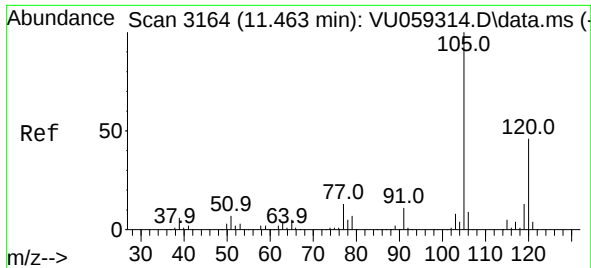
Lab File: VU059332.D

Acq: 18 Jun 2024 23:25

Tgt Ion:105 Resp: 7267

Ion	Ratio	Lower	Upper
105	100		
120	45.1	37.8	56.8





#63

1,2,4-Trimethylbenzene

Concen: 5.245 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU059332.D

Acq: 18 Jun 2024 23:25

Instrument :

MSVOA_U

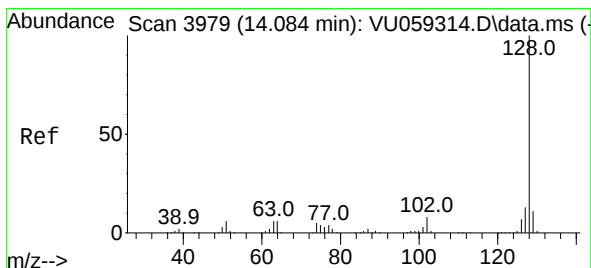
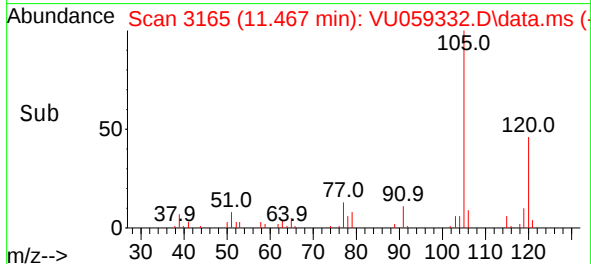
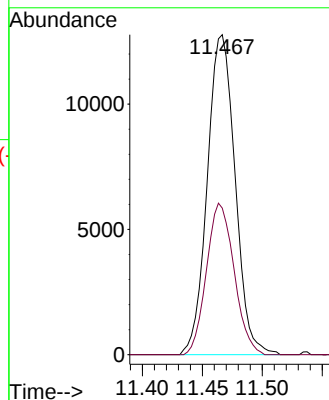
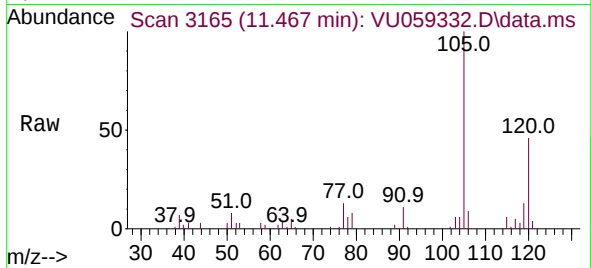
ClientSampleId :

Tgt Ion:105 Resp: 20636

Ion Ratio Lower Upper

105 100

120 46.9 35.0 52.6



#71

Naphthalene

Concen: 186.365 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. -0.003 min

Lab File: VU059332.D

Acq: 18 Jun 2024 23:25

Tgt Ion:128 Resp: 728458

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 10.8 8.5 12.7

