

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092724\
 Data File : VV037603.D
 Acq On : 27 Sep 2024 14:11
 Operator : SY/MD
 Sample : P4184-10
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

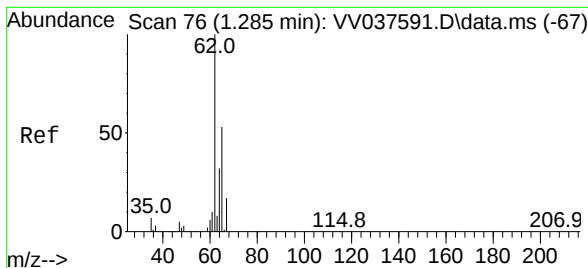
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 23:49:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 23:45:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	613813	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	594753	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	293176	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	213710	39.662	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	79.320%		
7) Chloroethane-d5	1.532	69	178360	42.645	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	85.280%		
11) 1,1-Dichloroethene-d2	2.060	65	92994	41.309	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.620%		
21) 2-Butanone-d5	3.793	46	168621	87.860	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	87.860%		
24) Chloroform-d	4.243	84	406033	42.355	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.700%		
26) 1,2-Dichloroethane-d4	4.937	65	246240	43.884	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.760%		
32) Benzene-d6	4.953	84	814351	43.756	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.520%		
36) 1,2-Dichloropropane-d6	5.986	67	262294	44.259	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.520%		
41) Toluene-d8	7.236	98	711884	42.183	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.360%		
43) trans-1,3-Dichloroprop...	7.551	79	113515	41.233	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.460%		
47) 2-Hexanone-d5	8.024	63	103120	82.404	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	82.400%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	297892	43.261	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	86.520%		
66) 1,2-Dichlorobenzene-d4	11.554	152	282760	45.770	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.540%		
Target Compounds						Qvalue
5) Vinyl chloride	1.285	62	49369	9.077	ug/L	93
8) Chloroethane	1.548	64	29907	8.922	ug/L	100
12) 1,1-Dichloroethene	2.069	96	9181	2.247	ug/L #	1
19) 1,1-Dichloroethane	3.105	63	199686	24.108	ug/L	100
20) cis-1,2-Dichloroethene	3.812	96	95159	19.670	ug/L	97
30) 1,1,1-Trichloroethane	4.507	97	201654	27.529	ug/L	100
31) Carbon tetrachloride	4.510	117	26604	4.177	ug/L	98
34) Trichloroethene	5.828	95	197104	41.262	ug/L	99
46) Tetrachloroethene	7.899	164	140315	38.419	ug/L	97
60) Isopropylbenzene	10.670	105	57871	3.036	ug/L	94
63) 1,2,4-Trimethylbenzene	10.850	105	37754	2.518	ug/L	98
71) Naphthalene	13.442	128	20429	1.336	ug/L	99

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



#5

Vinyl chloride

Concen: 9.077 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV037603.D

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Instrument :

MSVOA_V

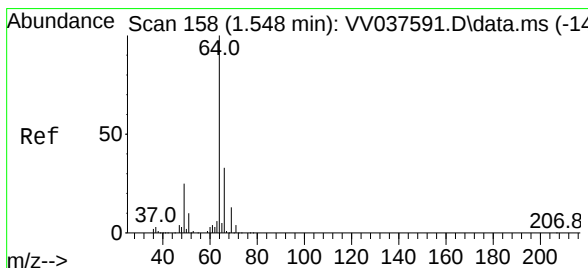
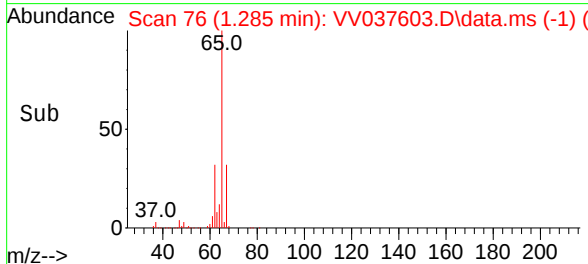
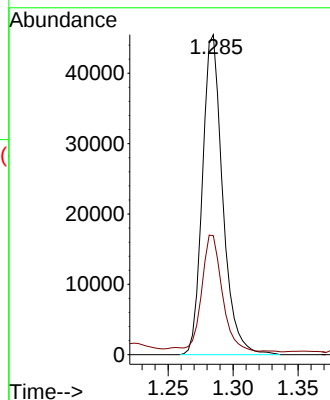
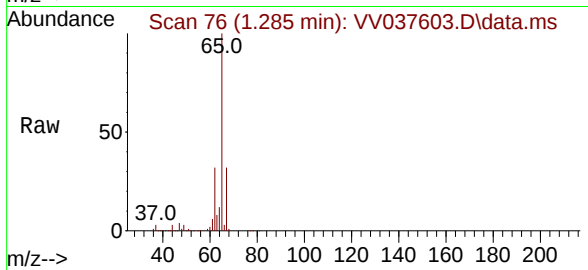
ClientSampleId :

Tgt Ion: 62 Resp: 49369

Ion Ratio Lower Upper

62 100

64 37.2 23.2 43.0



#8

Chloroethane

Concen: 8.922 ug/L

RT: 1.548 min Scan# 158

Delta R.T. 0.000 min

Lab File: VV037603.D

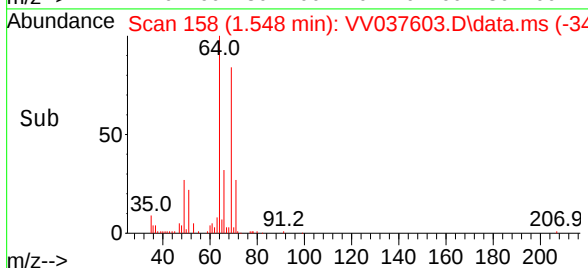
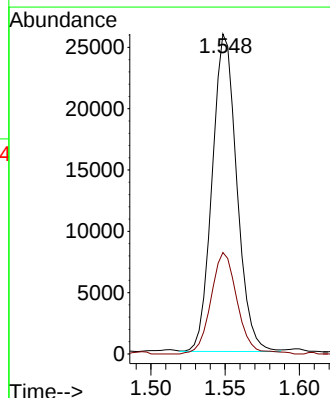
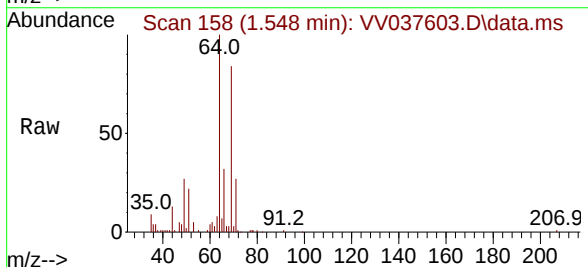
Acq: 27 Sep 2024 14:11

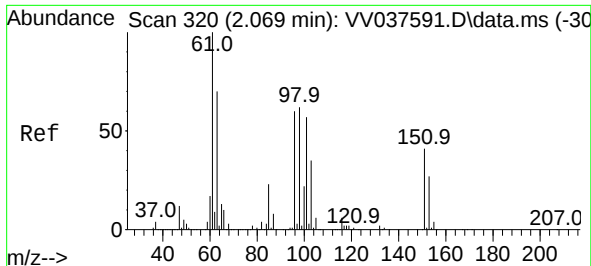
Tgt Ion: 64 Resp: 29907

Ion Ratio Lower Upper

64 100

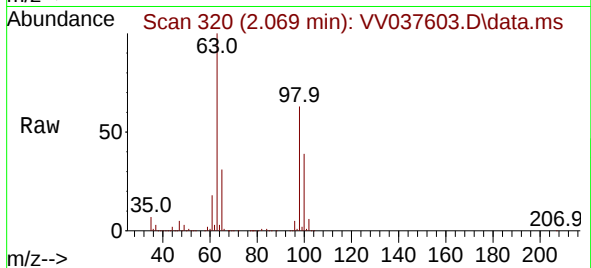
66 31.7 22.2 41.2



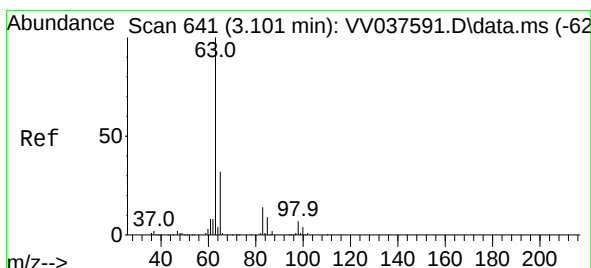
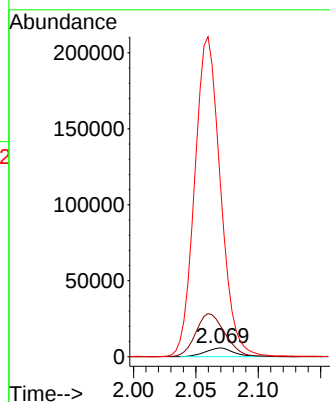
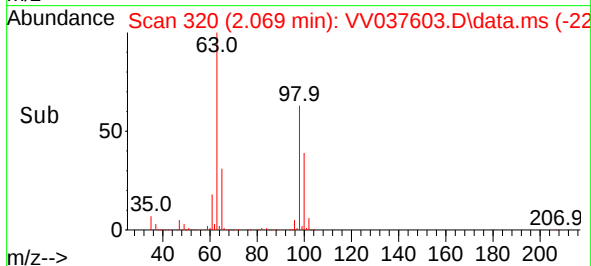


#12
1,1-Dichloroethene
Concen: 2.247 ug/L
RT: 2.069 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV037603.D
Acq: 27 Sep 2024 14:11

Instrument :
MSVOA_V
ClientSampleId :

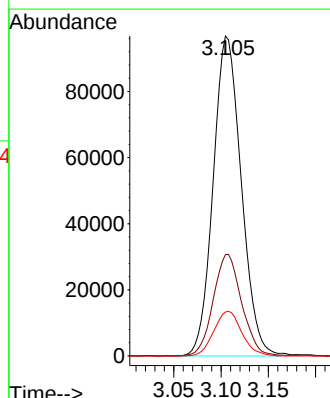
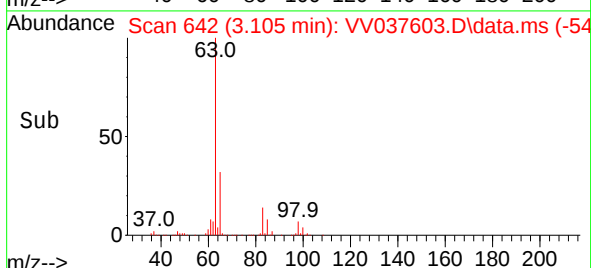
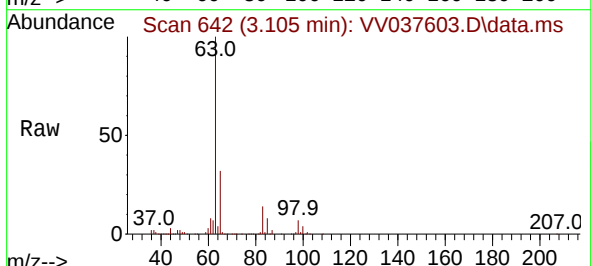


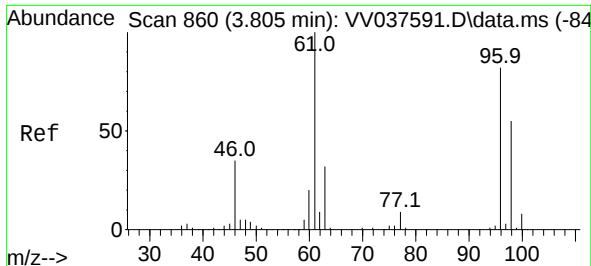
Tgt Ion: 96 Resp: 9181
Ion Ratio Lower Upper
96 100
61 355.9 122.6 227.6#
63 2009.7 118.0 219.2#



#19
1,1-Dichloroethane
Concen: 24.108 ug/L
RT: 3.105 min Scan# 642
Delta R.T. 0.003 min
Lab File: VV037603.D
Acq: 27 Sep 2024 14:11

Tgt Ion: 63 Resp: 199686
Ion Ratio Lower Upper
63 100
65 31.7 22.4 41.6
83 13.8 9.5 17.7





#20

cis-1,2-Dichloroethene

Concen: 19.670 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.007 min

Lab File: VV037603.D

Acq: 27 Sep 2024 14:11

Instrument :

MSVOA_V

ClientSampleId :

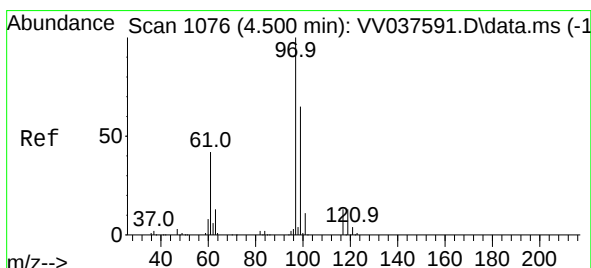
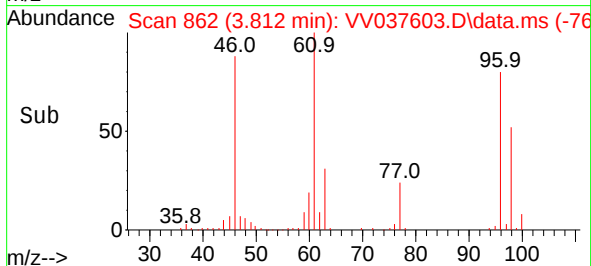
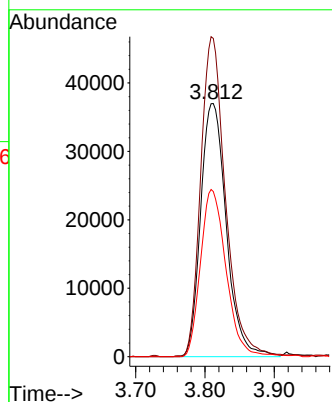
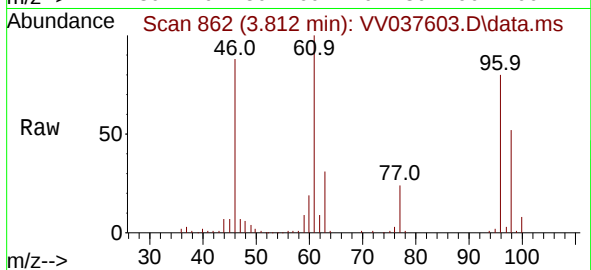
Tgt Ion: 96 Resp: 95159

Ion Ratio Lower Upper

96 100

61 125.7 85.0 157.8

98 65.2 44.2 82.0



#30

1,1,1-Trichloroethane

Concen: 27.529 ug/L

RT: 4.507 min Scan# 1078

Delta R.T. 0.007 min

Lab File: VV037603.D

Acq: 27 Sep 2024 14:11

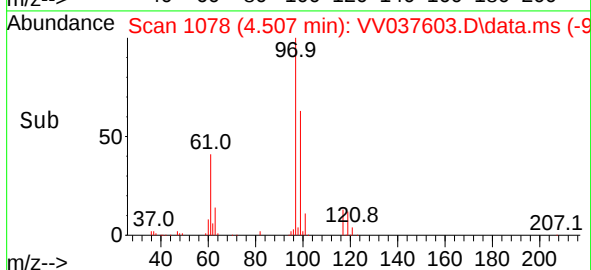
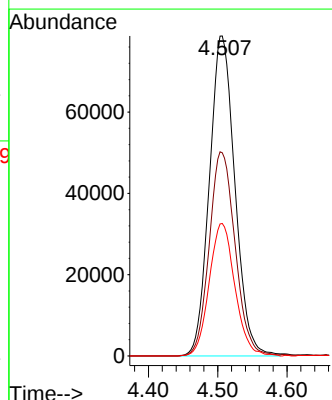
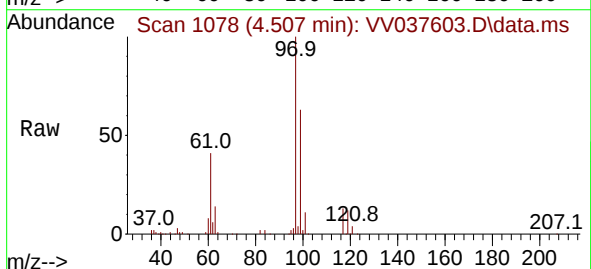
Tgt Ion: 97 Resp: 201654

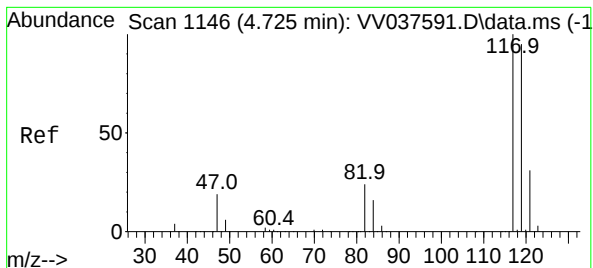
Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

61 41.5 33.6 50.4





#31

Carbon tetrachloride

Concen: 4.177 ug/L

RT: 4.510 min Scan# 1146

Delta R.T. -0.215 min

Lab File: VV037603.D

Acq: 27 Sep 2024 14:11

Instrument :

MSVOA_V

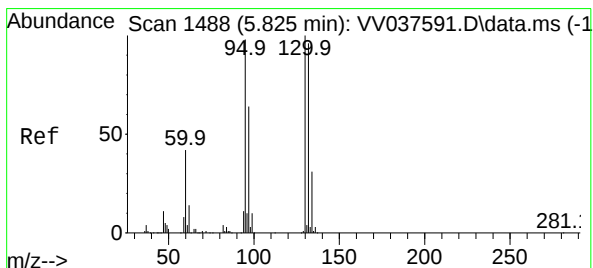
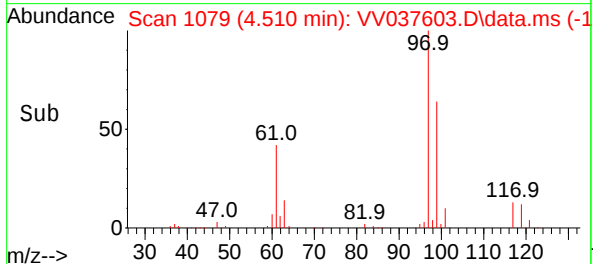
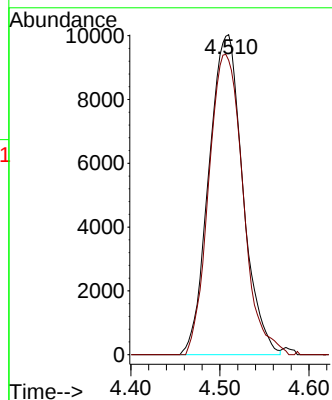
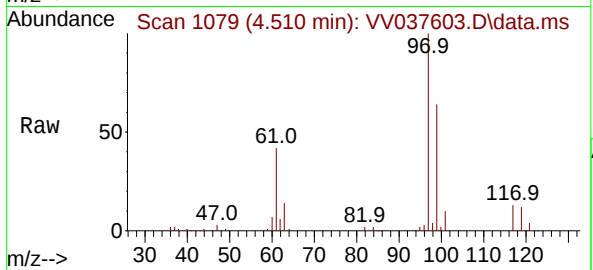
ClientSampleId :

Tgt Ion:117 Resp: 26604

Ion Ratio Lower Upper

117 100

119 94.5 76.9 115.3



#34

Trichloroethene

Concen: 41.262 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV037603.D

Acq: 27 Sep 2024 14:11

Tgt Ion: 95 Resp: 197104

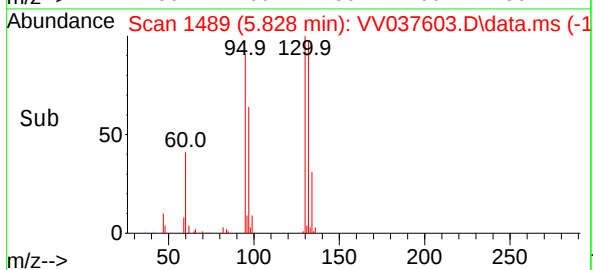
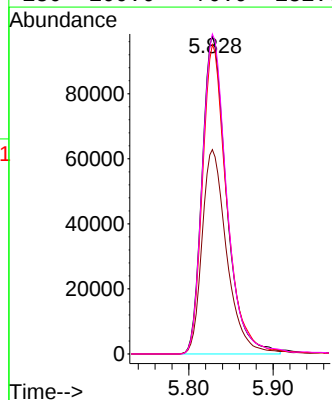
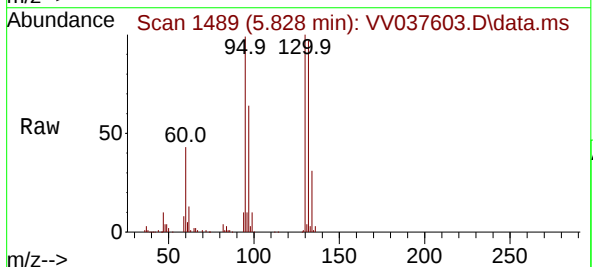
Ion Ratio Lower Upper

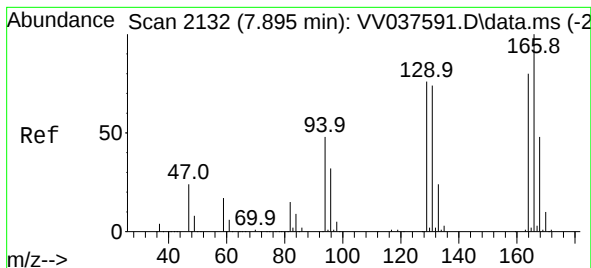
95 100

97 64.3 46.3 85.9

132 97.3 68.6 127.4

130 100.6 70.9 131.7





#46

Tetrachloroethene

Concen: 38.419 ug/L

RT: 7.899 min Scan# 2132

Delta R.T. 0.003 min

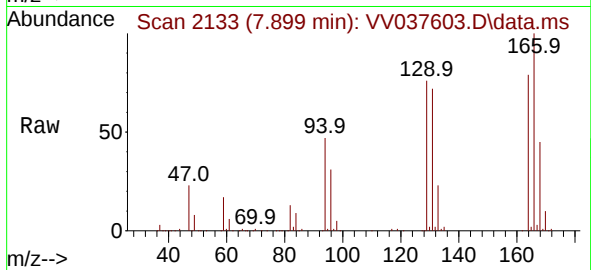
Lab File: VV037603.D

Acq: 27 Sep 2024 14:11

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 140315

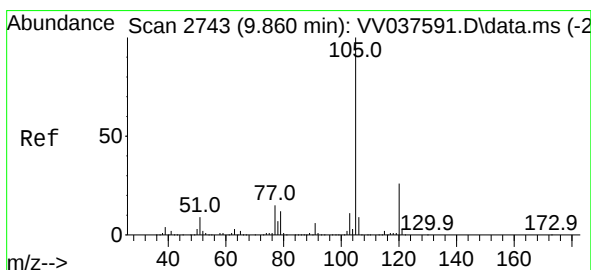
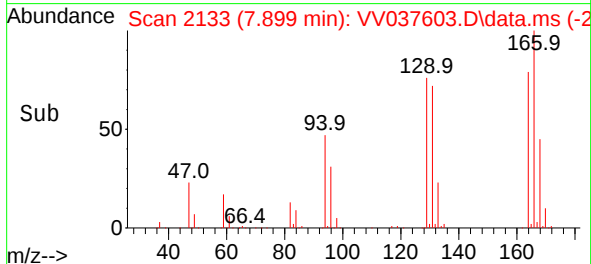
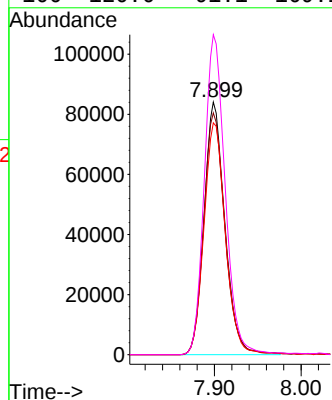
Ion Ratio Lower Upper

164 100

129 95.7 68.2 126.6

131 91.8 66.1 122.8

166 126.6 91.1 169.1



#60

Isopropylbenzene

Concen: 3.036 ug/L

RT: 10.670 min Scan# 2995

Delta R.T. 0.810 min

Lab File: VV037603.D

Acq: 27 Sep 2024 14:11

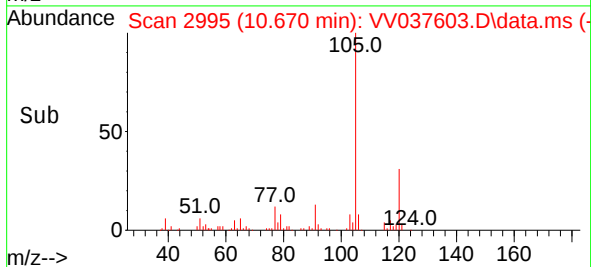
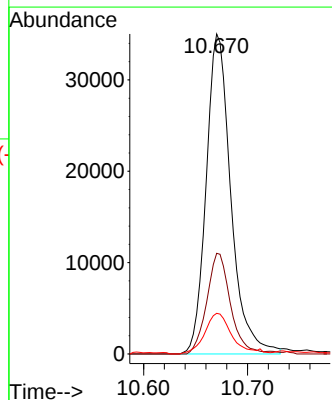
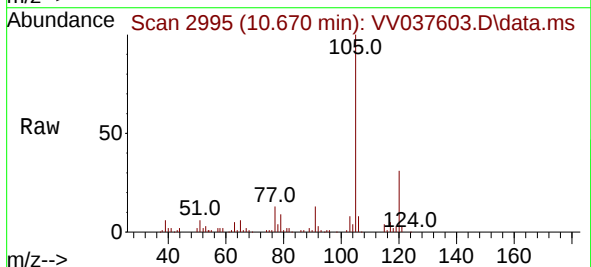
Tgt Ion:105 Resp: 57871

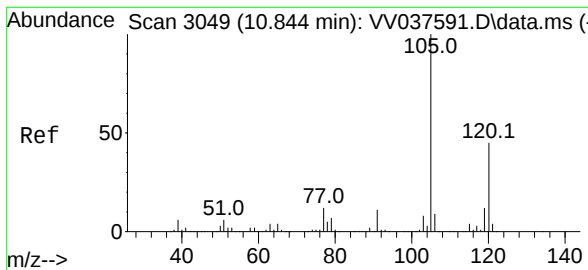
Ion Ratio Lower Upper

105 100

120 29.9 20.7 31.1

77 13.6 12.2 18.2

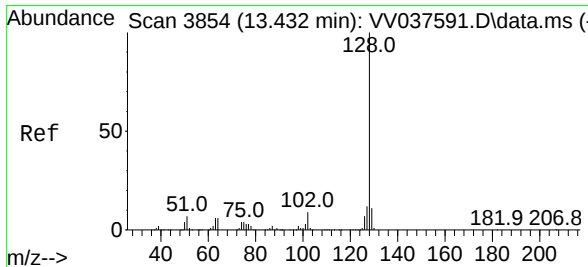
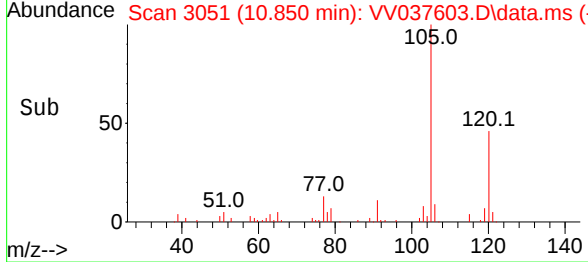
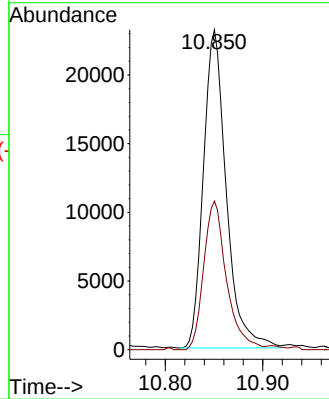
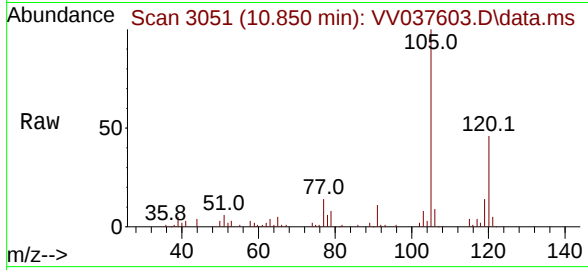




#63
1,2,4-Trimethylbenzene
Concen: 2.518 ug/L
RT: 10.850 min Scan# 3049
Delta R.T. 0.007 min
Lab File: VV037603.D
Acq: 27 Sep 2024 14:11

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:105 Resp: 37754
Ion Ratio Lower Upper
105 100
120 46.5 36.2 54.2



#71
Naphthalene
Concen: 1.336 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. 0.010 min
Lab File: VV037603.D
Acq: 27 Sep 2024 14:11

Tgt Ion:128 Resp: 20429
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.4
129 10.5 8.5 12.7

