

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
 Data File : VU046291.D
 Acq On : 11 Dec 2021 16:57
 Operator : SY/MD
 Sample : M4983-06DL 40X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5N7DL

Quant Time: Dec 12 01:39:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

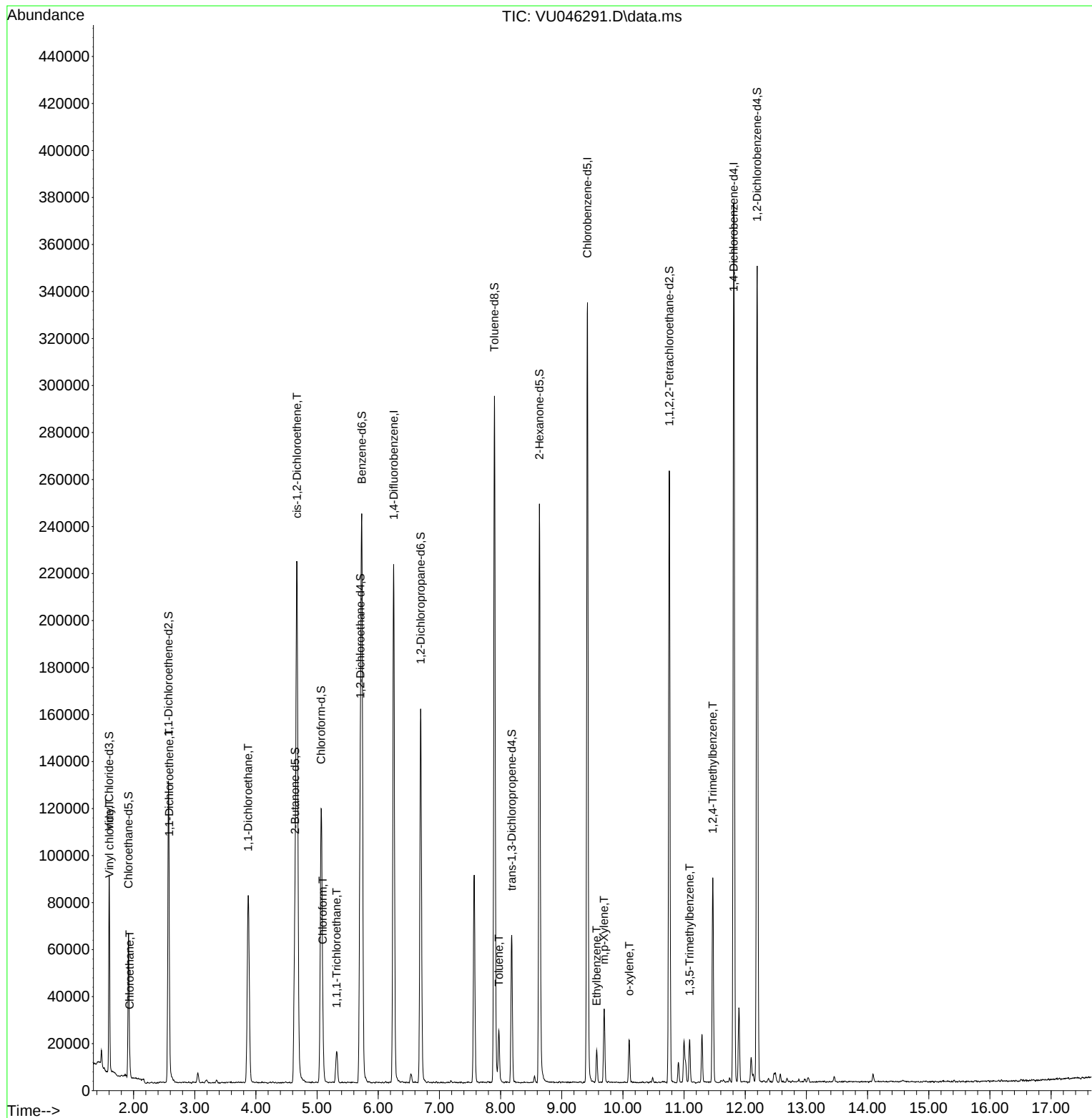
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	182964	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	186551	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	98120	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	52198	34.633	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery =	69.260%		
7) Chloroethane-d5	1.916	69	44954	38.848	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery =	77.700%		
11) 1,1-Dichloroethene-d2	2.572	63	76480	28.267	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery =	56.540%#		
21) 2-Butanone-d5	4.639	46	126237	105.362	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery =	105.360%		
24) Chloroform-d	5.067	84	109400	43.466	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	86.940%		
26) 1,2-Dichloroethane-d4	5.706	65	79609	47.131	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	94.260%		
32) Benzene-d6	5.732	84	226966	42.448	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	84.900%		
36) 1,2-Dichloropropane-d6	6.694	67	76437	46.127	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery =	92.260%		
41) Toluene-d8	7.899	98	195946	40.249	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery =	80.500%		
43) trans-1,3-Dichloroprop...	8.182	79	35981	44.980	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery =	89.960%		
47) 2-Hexanone-d5	8.636	63	89876	114.391	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery =	114.390%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	126634	50.391	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery =	100.780%		
66) 1,2-Dichlorobenzene-d4	12.195	152	88804	46.996	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery =	94.000%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	8580	4.779	ug/L	83
8) Chloroethane	1.938	64	3890	3.742	ug/L	96
12) 1,1-Dichloroethene	2.581	96	1735	1.371	ug/L #	1
19) 1,1-Dichloroethane	3.874	63	93556	38.433	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	106278	73.160	ug/L	99
25) Chloroform	5.092	83	12486	4.617	ug/L	93
30) 1,1,1-Trichloroethane	5.317	97	10052	4.390	ug/L	100
42) Toluene	7.973	91	16153	2.666	ug/L	95
52) Ethylbenzene	9.571	91	9725	1.492	ug/L	94
53) m,p-Xylene	9.693	106	9191	3.615	ug/L	93
54) o-xylene	10.102	106	5030	2.039	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	10634	1.998	ug/L	96
63) 1,2,4-Trimethylbenzene	11.468	105	49366	9.273	ug/L	98

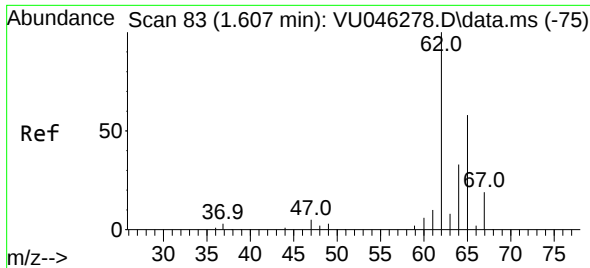
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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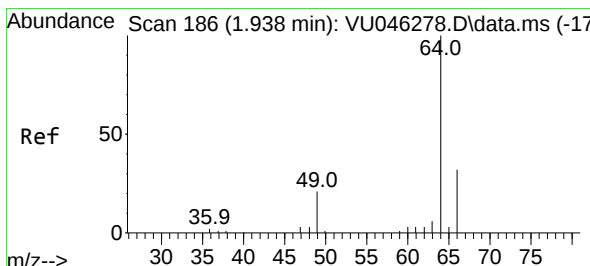
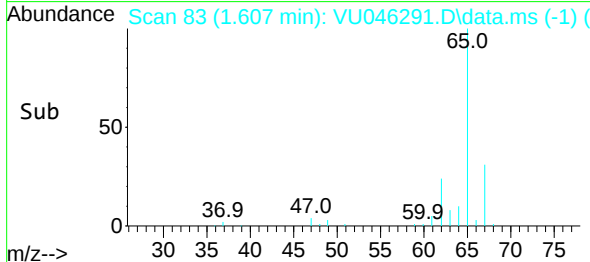
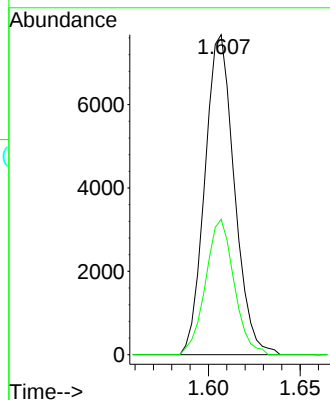
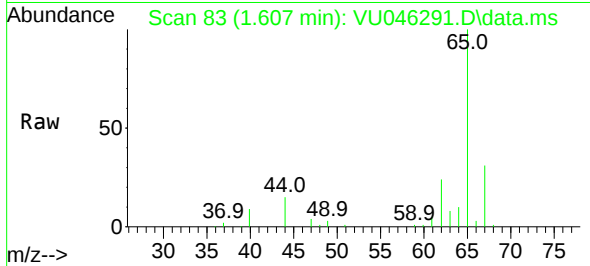




#5
 Vinyl chloride
 Concen: 4.779 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU046291.D
 Acq: 11 Dec 2021 16:57

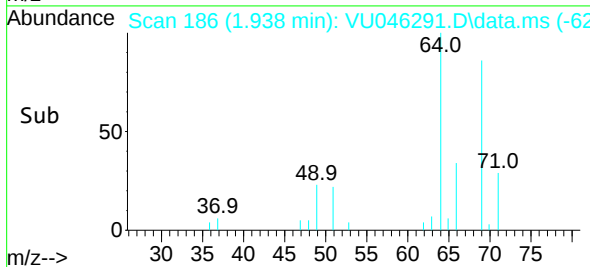
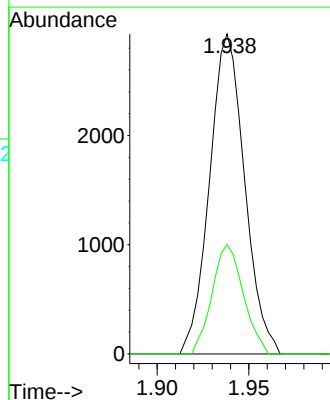
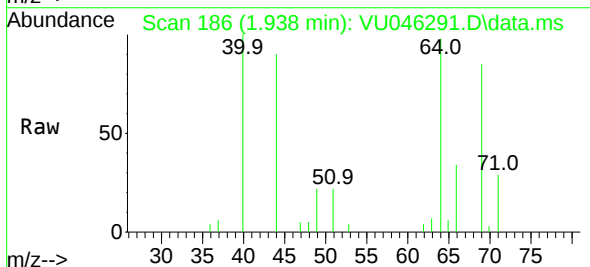
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5N7DL

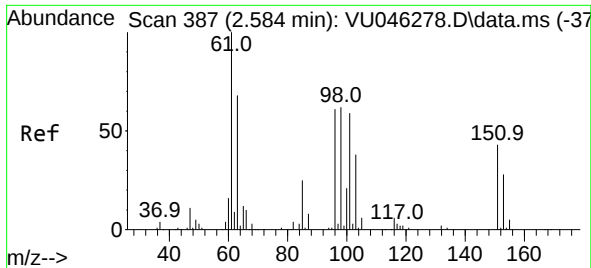
Tgt Ion: 62 Resp: 8580
 Ion Ratio Lower Upper
 62 100
 64 42.3 22.9 42.5



#8
 Chloroethane
 Concen: 3.742 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. 0.000 min
 Lab File: VU046291.D
 Acq: 11 Dec 2021 16:57

Tgt Ion: 64 Resp: 3890
 Ion Ratio Lower Upper
 64 100
 66 34.2 22.5 41.9





#12

1,1-Dichloroethene

Concen: 1.371 ug/L

RT: 2.581 min Scan# 387

Delta R.T. -0.003 min

Lab File: VU046291.D

Acq: 11 Dec 2021 16:57

Instrument :

MSVOA_U

ClientSampleId :

EW5N7DL

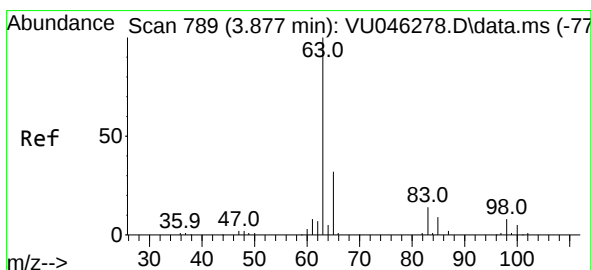
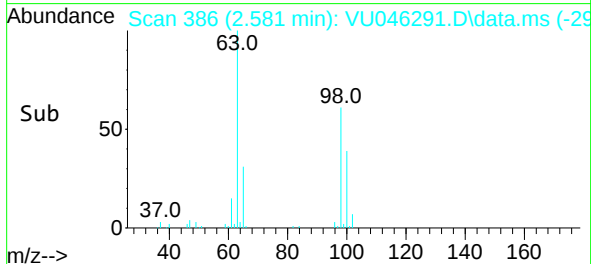
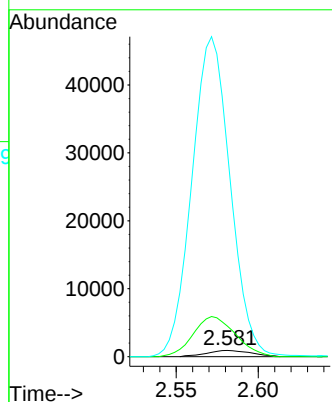
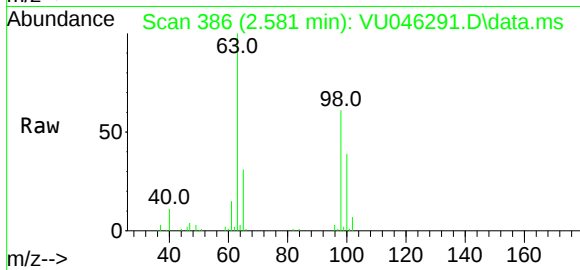
Tgt Ion: 96 Resp: 1735

Ion Ratio Lower Upper

96 100

61 483.3 118.6 220.2#

63 3258.5 93.0 172.8#



#19

1,1-Dichloroethane

Concen: 38.433 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.003 min

Lab File: VU046291.D

Acq: 11 Dec 2021 16:57

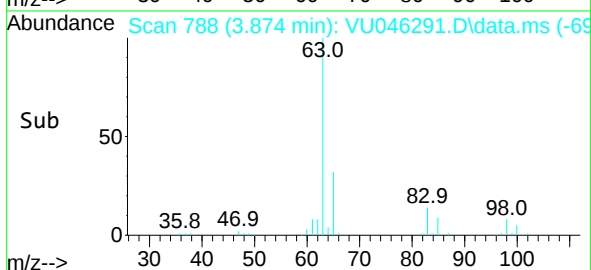
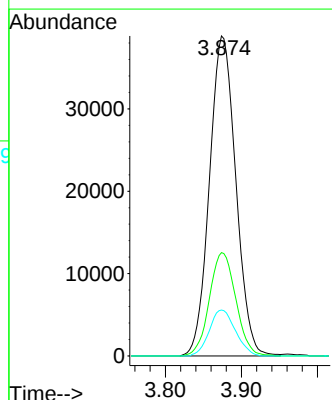
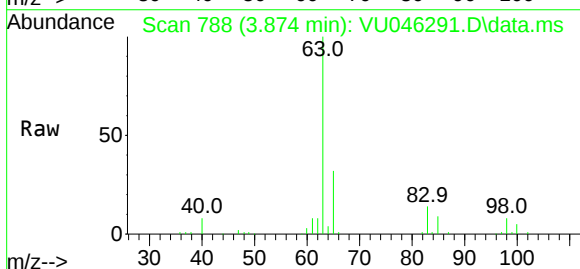
Tgt Ion: 63 Resp: 93556

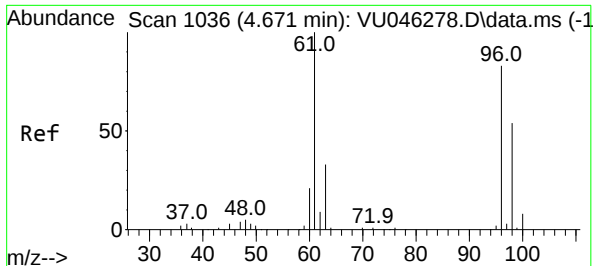
Ion Ratio Lower Upper

63 100

65 32.3 22.8 42.4

83 14.3 9.6 17.8

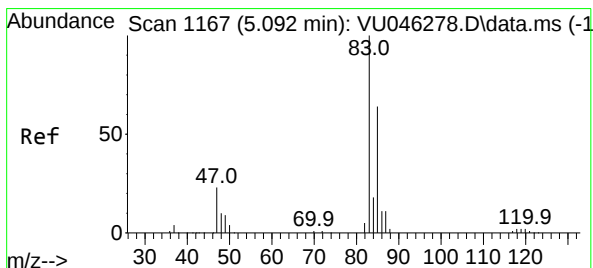
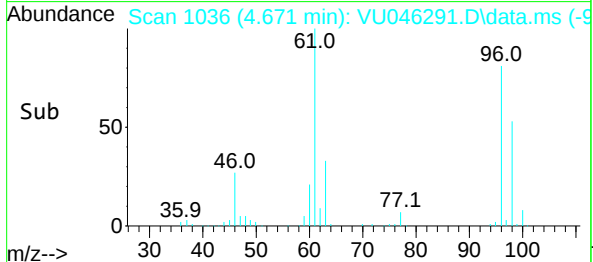
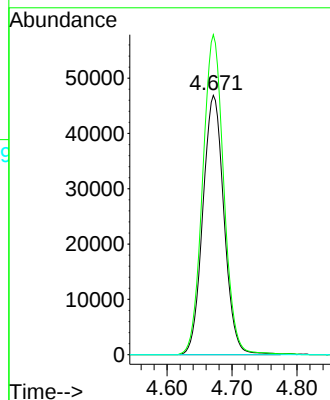
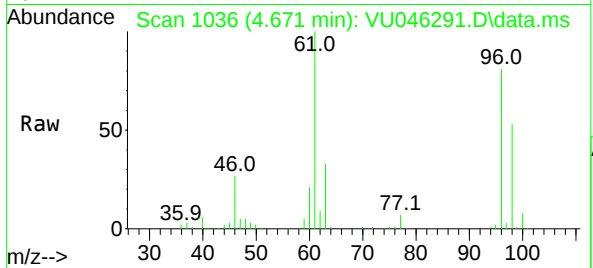




#20
cis-1,2-Dichloroethene
Concen: 73.160 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU046291.D
Acq: 11 Dec 2021 16:57

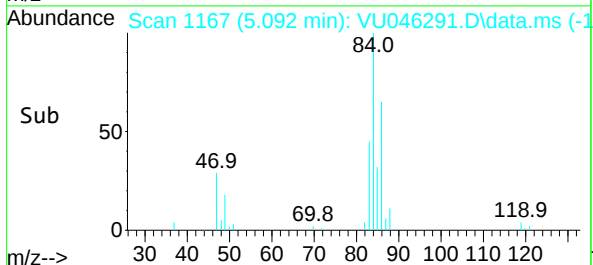
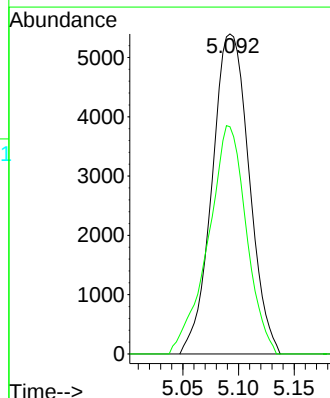
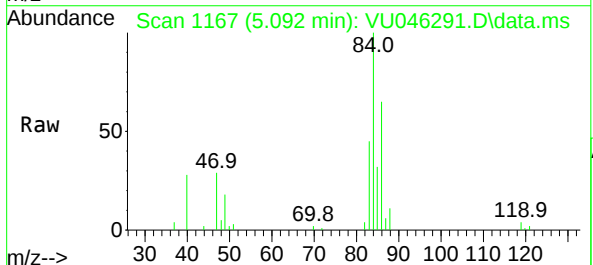
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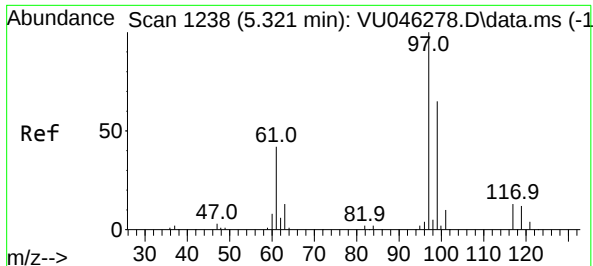
Tgt Ion: 96 Resp: 106278
Ion Ratio Lower Upper
96 100
61 123.4 86.8 161.2
68 0.0 0.0 0.0



#25
Chloroform
Concen: 4.617 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VU046291.D
Acq: 11 Dec 2021 16:57

Tgt Ion: 83 Resp: 12486
Ion Ratio Lower Upper
83 100
85 71.0 45.8 85.2

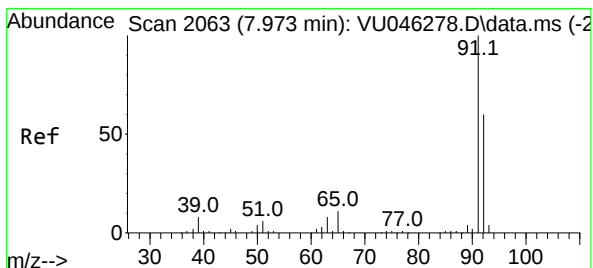
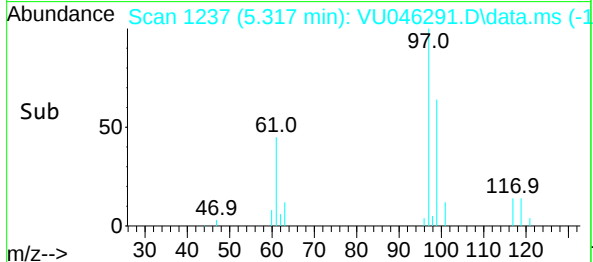
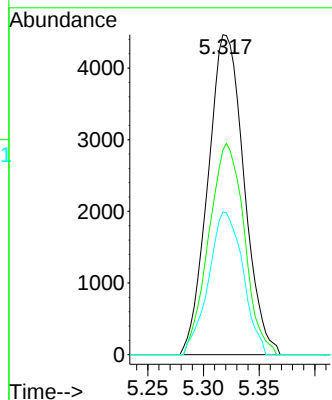
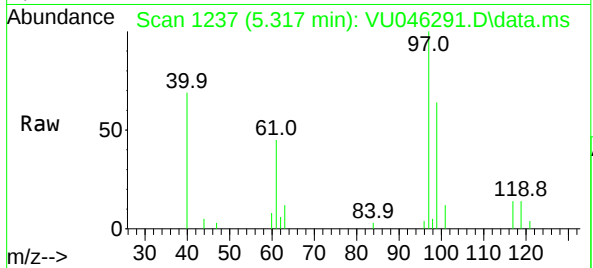




#30
1,1,1-Trichloroethane
Concen: 4.390 ug/L
RT: 5.317 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU046291.D
Acq: 11 Dec 2021 16:57

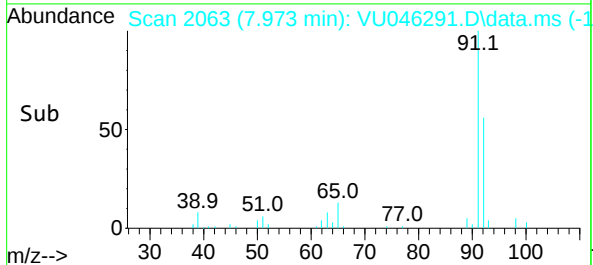
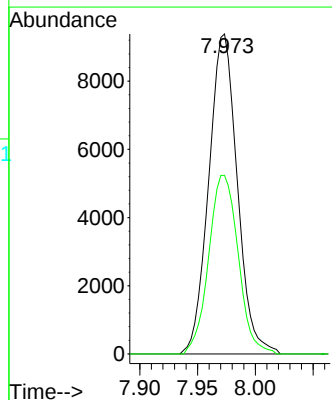
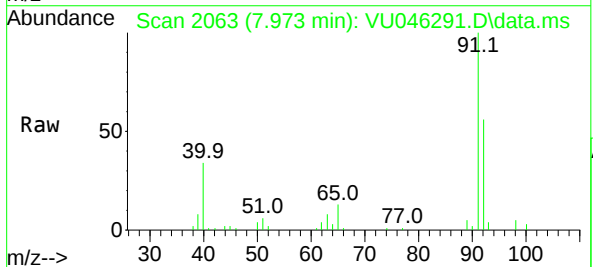
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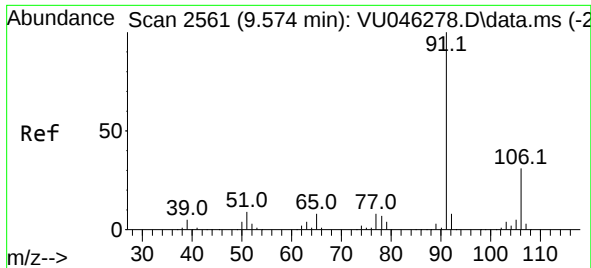
Tgt Ion: 97 Resp: 10052
Ion Ratio Lower Upper
97 100
99 64.7 51.8 77.6
61 42.5 34.4 51.6



#42
Toluene
Concen: 2.666 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU046291.D
Acq: 11 Dec 2021 16:57

Tgt Ion: 91 Resp: 16153
Ion Ratio Lower Upper
91 100
92 55.8 41.9 77.7

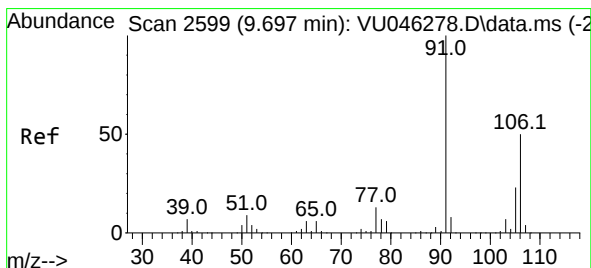
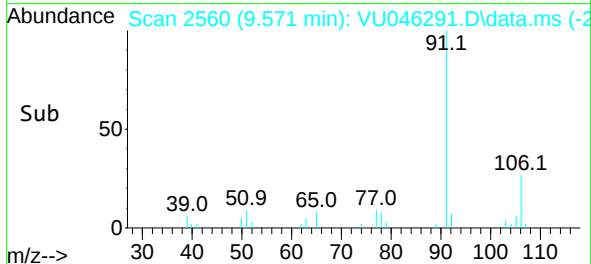
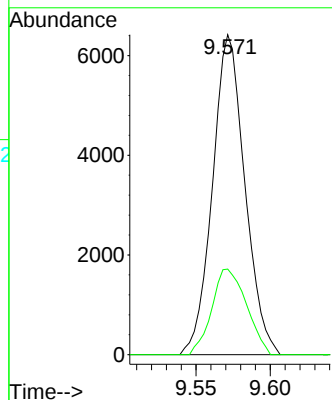
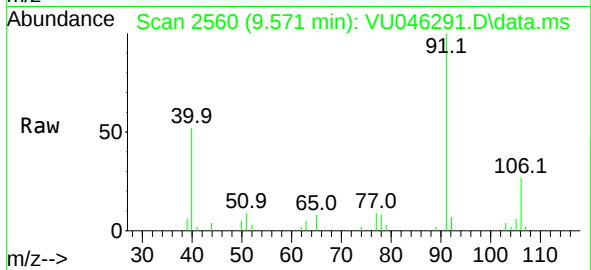




#52
Ethylbenzene
Concen: 1.492 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU046291.D
Acq: 11 Dec 2021 16:57

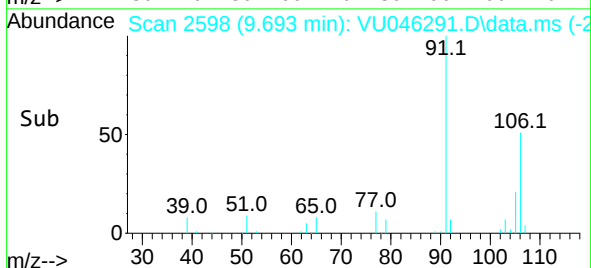
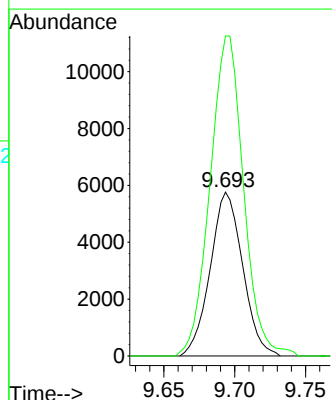
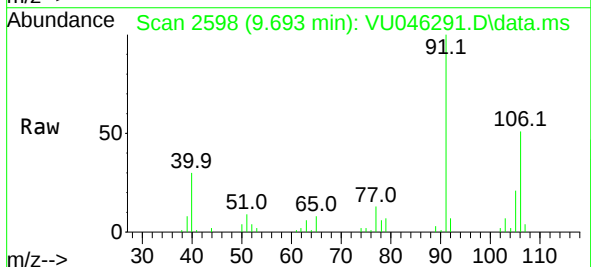
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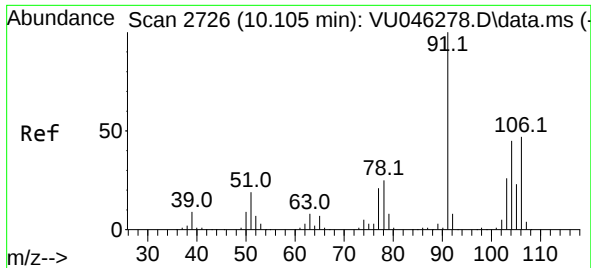
Tgt Ion: 91 Resp: 9725
Ion Ratio Lower Upper
91 100
106 26.7 21.1 39.3



#53
m,p-Xylene
Concen: 3.615 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046291.D
Acq: 11 Dec 2021 16:57

Tgt Ion: 106 Resp: 9191
Ion Ratio Lower Upper
106 100
91 195.4 144.3 268.1

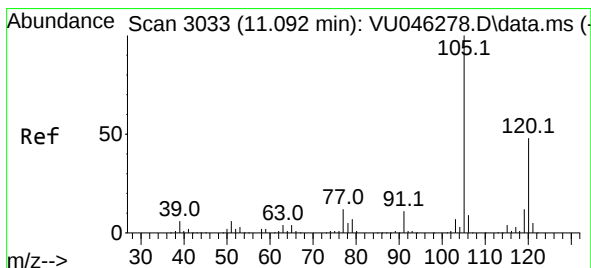
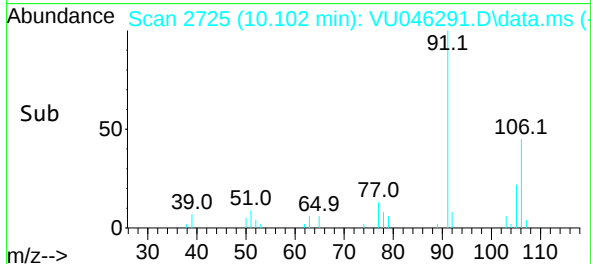
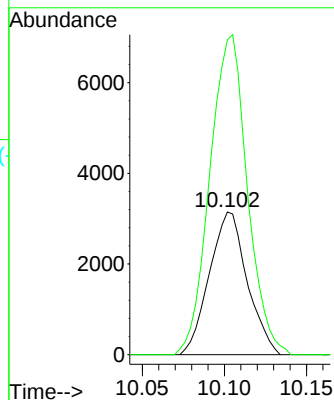
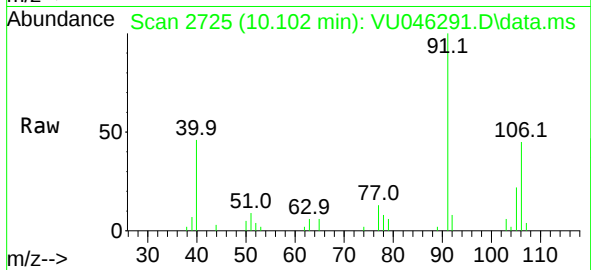




#54
o-xylene
Concen: 2.039 ug/L
RT: 10.102 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046291.D
Acq: 11 Dec 2021 16:57

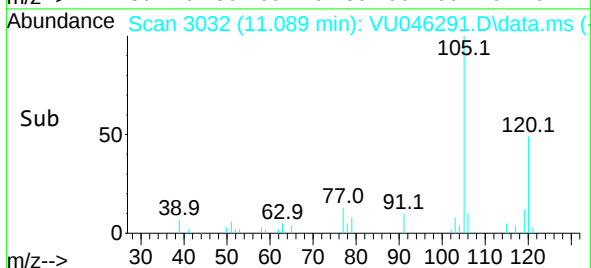
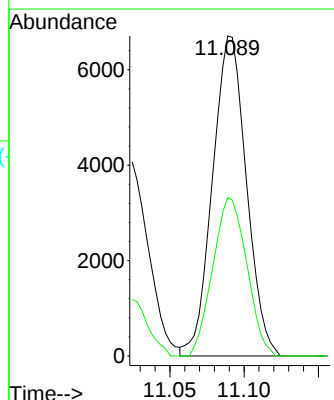
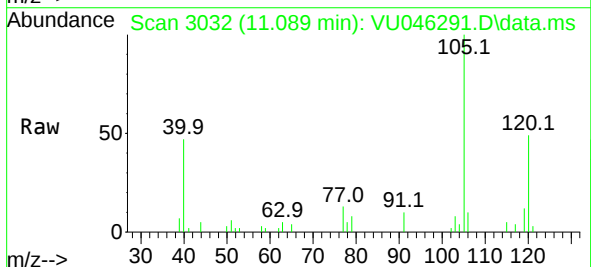
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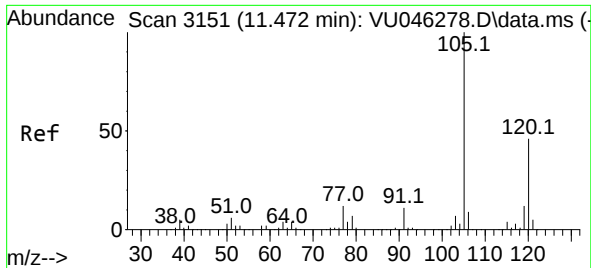
Tgt Ion:106 Resp: 5030
Ion Ratio Lower Upper
106 100
91 220.7 154.2 286.4



#62
1,3,5-Trimethylbenzene
Concen: 1.998 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU046291.D
Acq: 11 Dec 2021 16:57

Tgt Ion:105 Resp: 10634
Ion Ratio Lower Upper
105 100
120 49.6 37.8 56.6





#63
 1,2,4-Trimethylbenzene
 Concen: 9.273 ug/L
 RT: 11.468 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU046291.D
 Acq: 11 Dec 2021 16:57

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5N7DL

Tgt Ion:105 Resp: 49366
 Ion Ratio Lower Upper
 105 100
 120 45.5 35.2 52.8

