

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
 Data File : VU046290.D
 Acq On : 11 Dec 2021 16:35
 Operator : SY/MD
 Sample : M4983-04DL 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5N3DL

Quant Time: Dec 12 01:39:17 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)

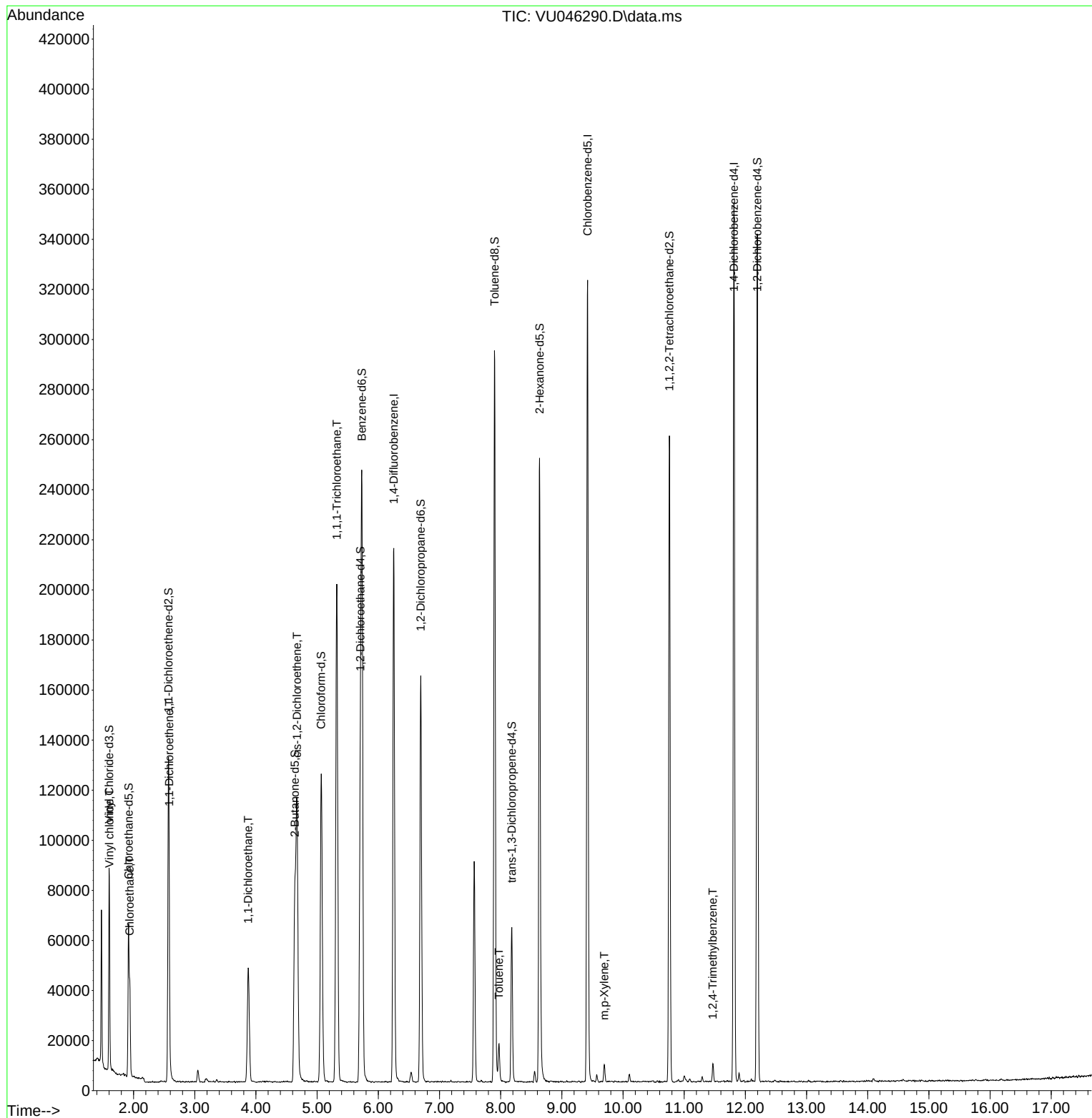
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	178338	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	181557	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	94211	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	53047	36.110	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.220%
7) Chloroethane-d5	1.919	69	43601	38.656	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.320%
11) 1,1-Dichloroethene-d2	2.572	63	77630	29.436	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.880%#
21) 2-Butanone-d5	4.636	46	126321	108.167	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.170%
24) Chloroform-d	5.067	84	115751	47.183	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.360%
26) 1,2-Dichloroethane-d4	5.706	65	80317	48.783	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.560%
32) Benzene-d6	5.732	84	230952	44.382	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.760%
36) 1,2-Dichloropropane-d6	6.694	67	76549	47.465	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.940%
41) Toluene-d8	7.899	98	198330	41.860	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.720%
43) trans-1,3-Dichloroprop...	8.182	79	35918	46.136	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.280%
47) 2-Hexanone-d5	8.636	63	90927	118.912	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.910%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	128571	52.569	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.140%
66) 1,2-Dichlorobenzene-d4	12.195	152	87828	48.408	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.820%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	4103	2.345	ug/L #	78
8) Chloroethane	1.938	64	22895	22.597	ug/L	98
12) 1,1-Dichloroethene	2.581	96	2226	1.805	ug/L #	1
19) 1,1-Dichloroethane	3.874	63	52339	22.059	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	49978	35.296	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	146938	65.932	ug/L	100
42) Toluene	7.970	91	11673	1.980	ug/L	93
53) m,p-Xylene	9.693	106	2144	0.866	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	4737	0.927	ug/L	96

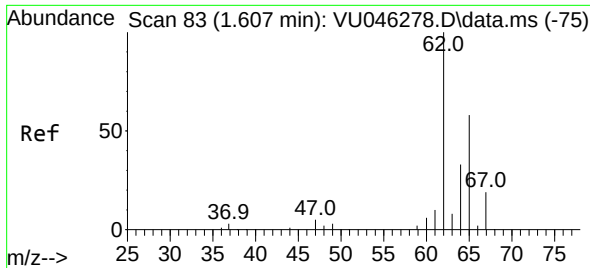
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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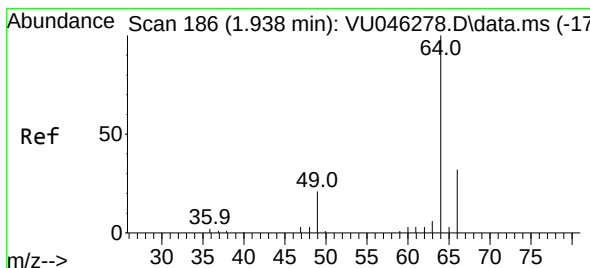
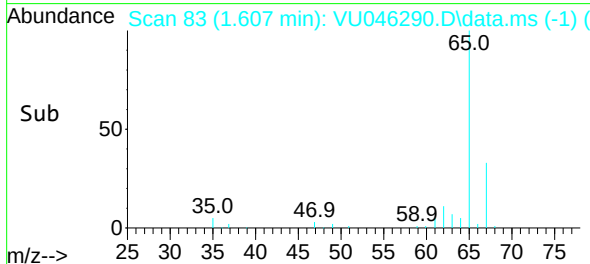
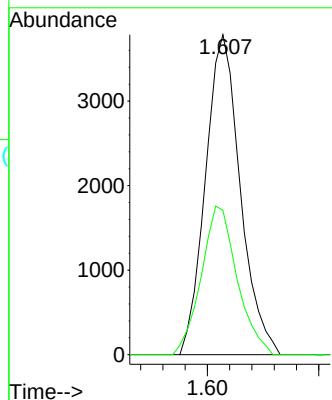
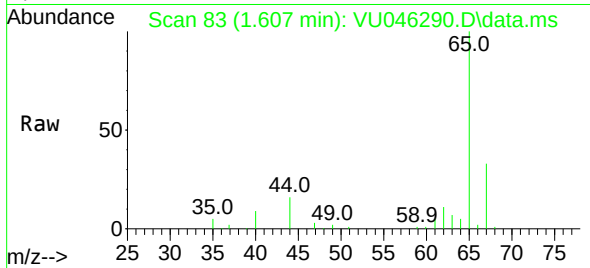




#5
 Vinyl chloride
 Concen: 2.345 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU046290.D
 Acq: 11 Dec 2021 16:35

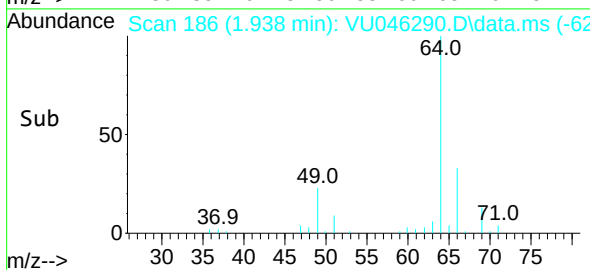
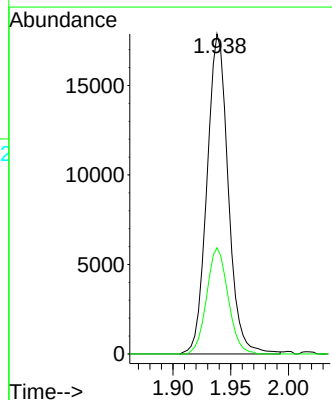
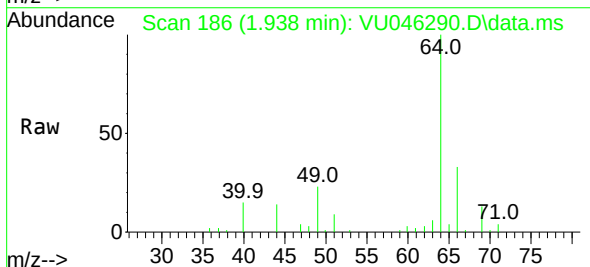
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5N3DL

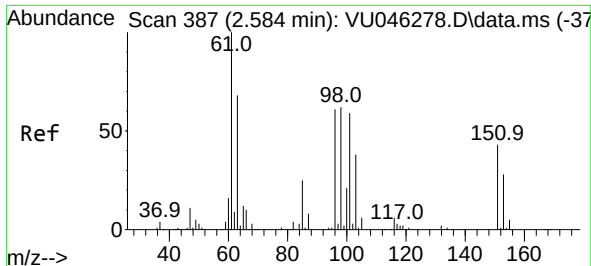
Tgt Ion: 62 Resp: 4103
 Ion Ratio Lower Upper
 62 100
 64 45.1 22.9 42.5#



#8
 Chloroethane
 Concen: 22.597 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. -0.000 min
 Lab File: VU046290.D
 Acq: 11 Dec 2021 16:35

Tgt Ion: 64 Resp: 22895
 Ion Ratio Lower Upper
 64 100
 66 33.2 22.5 41.9

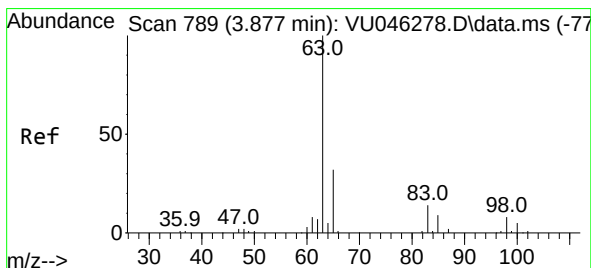
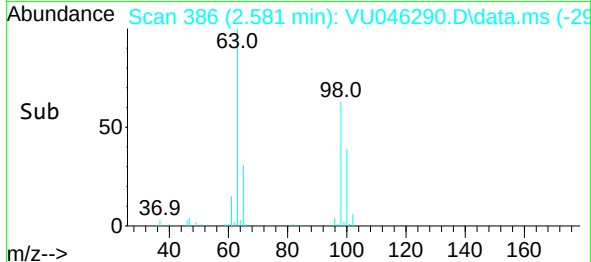
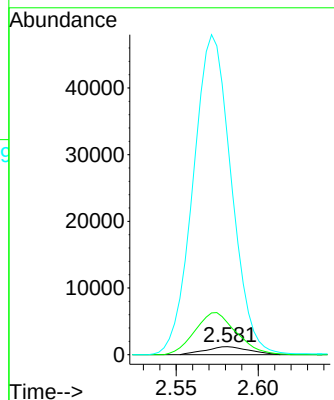
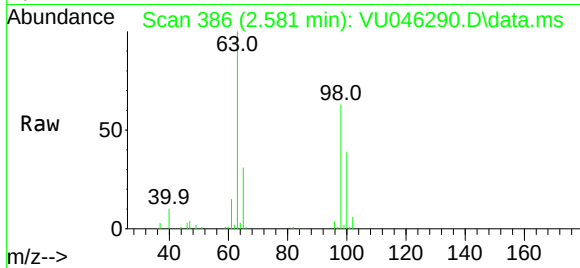




#12
1,1-Dichloroethene
Concen: 1.805 ug/L
RT: 2.581 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU046290.D
Acq: 11 Dec 2021 16:35

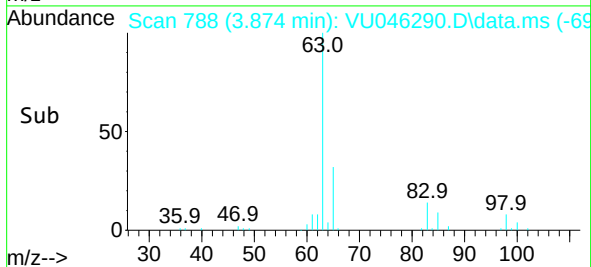
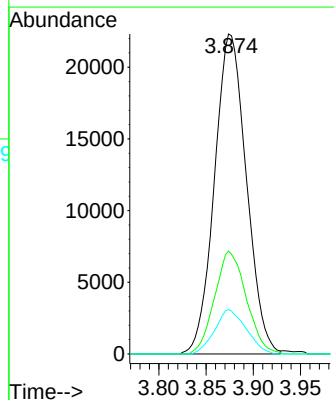
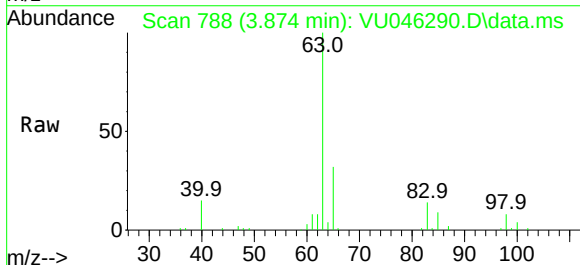
Instrument :
MSVOA_U
ClientSampleId :
EW5N3DL

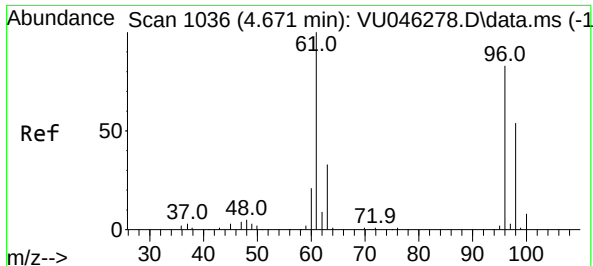
Tgt Ion: 96 Resp: 2226
Ion Ratio Lower Upper
96 100
61 395.6 118.6 220.2#
63 2682.5 93.0 172.8#



#19
1,1-Dichloroethane
Concen: 22.059 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU046290.D
Acq: 11 Dec 2021 16:35

Tgt Ion: 63 Resp: 52339
Ion Ratio Lower Upper
63 100
65 32.2 22.8 42.4
83 13.9 9.6 17.8

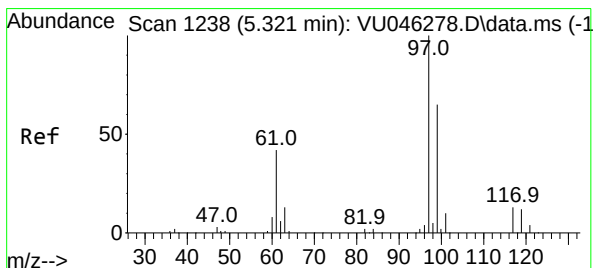
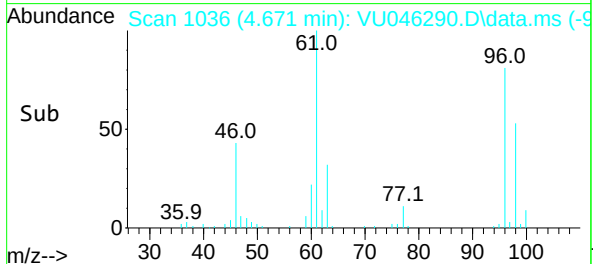
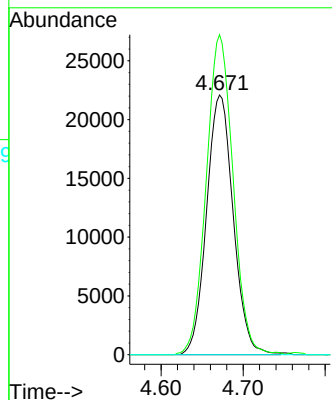
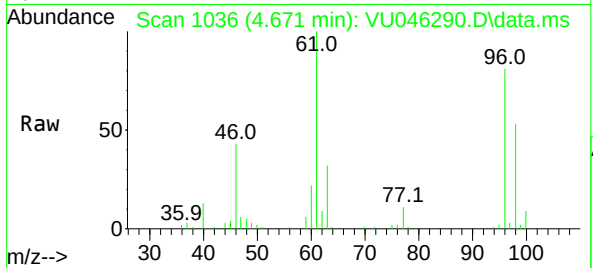




#20
 cis-1,2-Dichloroethene
 Concen: 35.296 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VU046290.D
 Acq: 11 Dec 2021 16:35

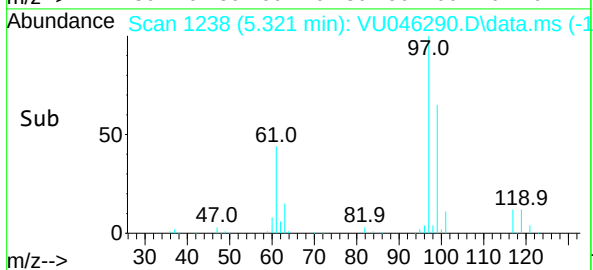
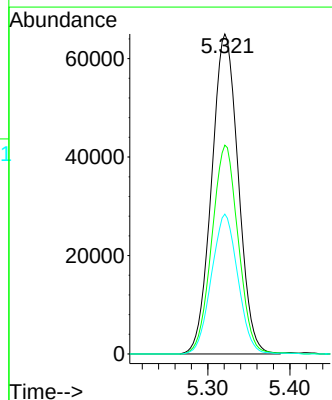
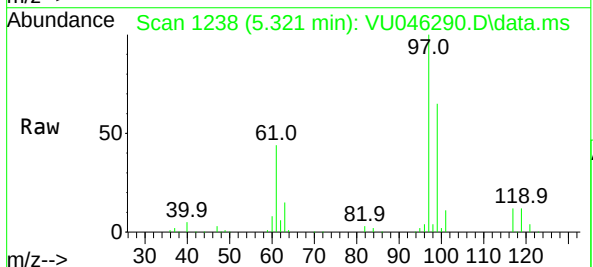
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5N3DL

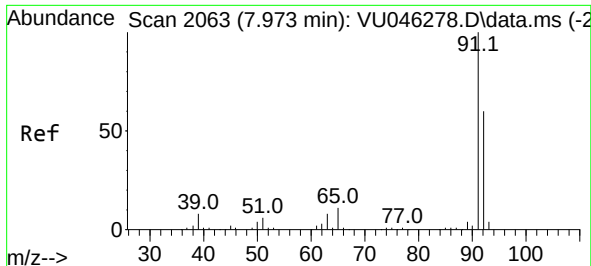
Tgt Ion: 96 Resp: 49978
 Ion Ratio Lower Upper
 96 100
 61 123.2 86.8 161.2
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 65.932 ug/L
 RT: 5.321 min Scan# 1238
 Delta R.T. -0.000 min
 Lab File: VU046290.D
 Acq: 11 Dec 2021 16:35

Tgt Ion: 97 Resp: 146938
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.8 77.6
 61 43.4 34.4 51.6





#42

Toluene

Concen: 1.980 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046290.D

Acq: 11 Dec 2021 16:35

Instrument :

MSVOA_U

ClientSampleId :

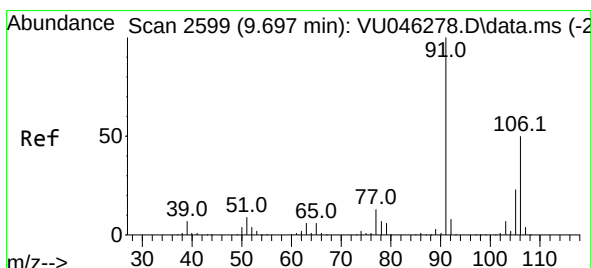
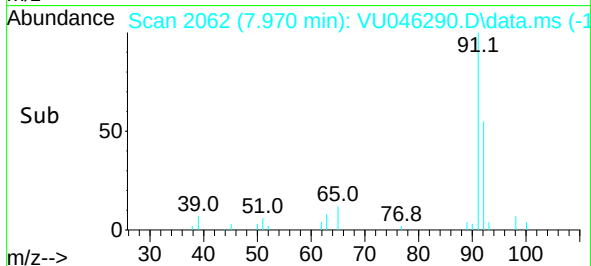
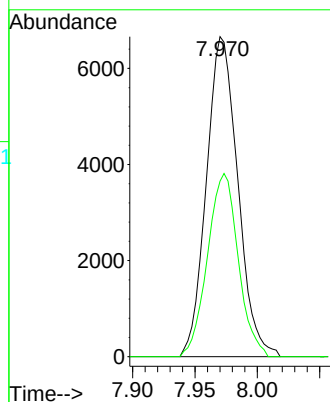
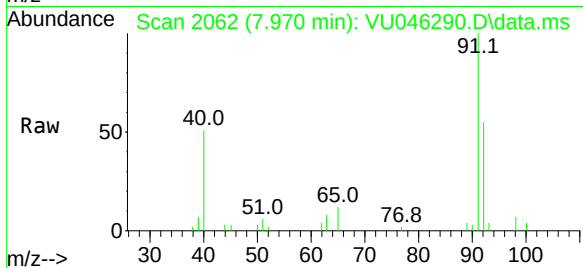
EW5N3DL

Tgt Ion: 91 Resp: 11673

Ion Ratio Lower Upper

91 100

92 54.8 41.9 77.7



#53

m,p-Xylene

Concen: 0.866 ug/L

RT: 9.693 min Scan# 2598

Delta R.T. -0.003 min

Lab File: VU046290.D

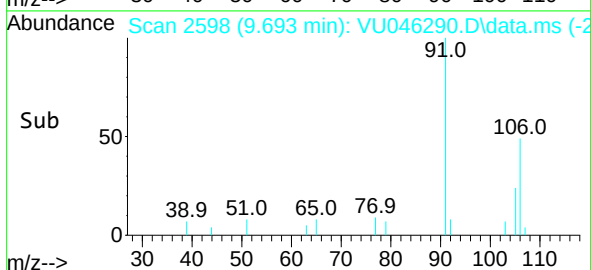
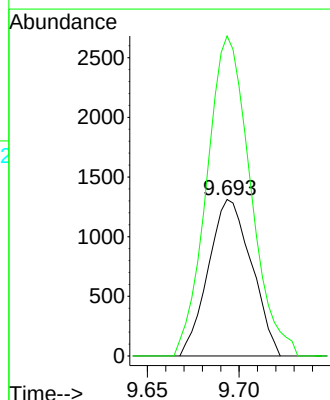
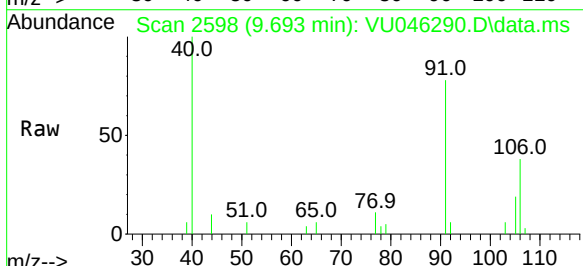
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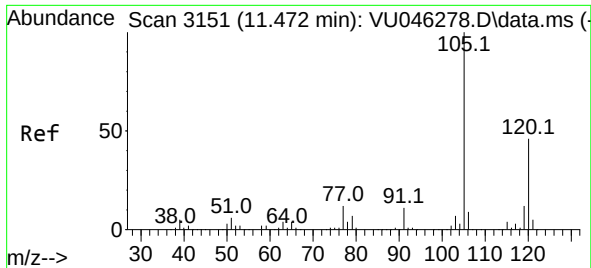
Tgt Ion:106 Resp: 2144

Ion Ratio Lower Upper

106 100

91 204.4 144.3 268.1





#63
 1,2,4-Trimethylbenzene
 Concen: 0.927 ug/L
 RT: 11.468 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU046290.D
 Acq: 11 Dec 2021 16:35

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion:105 Resp: 4737
 Ion Ratio Lower Upper
 105 100
 120 41.6 35.2 52.8

