

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
 Data File : VU046294.D
 Acq On : 11 Dec 2021 18:05
 Operator : SY/MD
 Sample : M4983-14DL 40X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5P4DL

Quant Time: Dec 12 01:39:47 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)

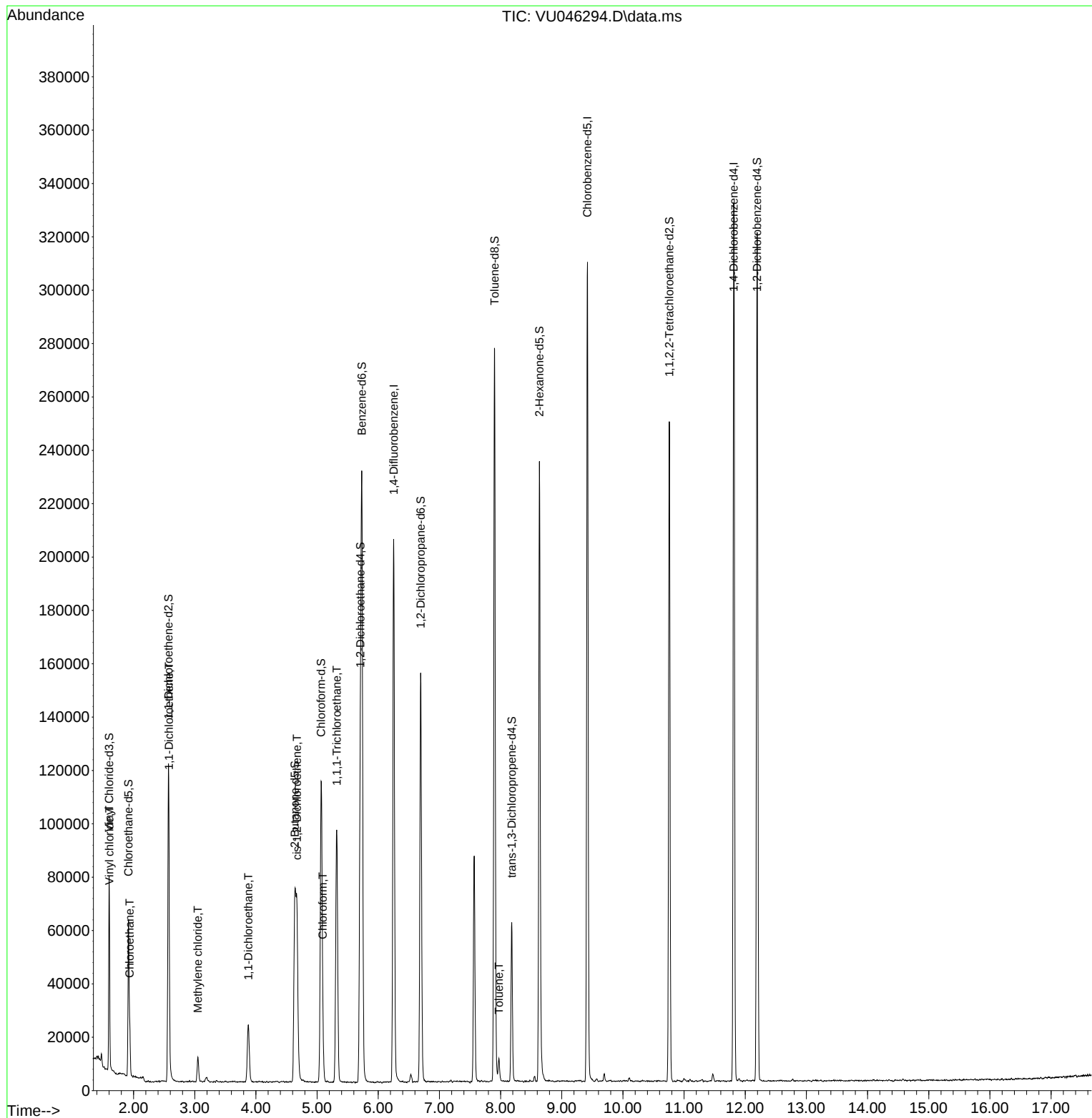
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	167828	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	174449	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	88338	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	49646	35.911	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.820%
7) Chloroethane-d5	1.915	69	41617	39.207	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.420%
11) 1,1-Dichloroethene-d2	2.571	63	69508	28.007	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.020%#
21) 2-Butanone-d5	4.636	46	117260	106.696	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.700%
24) Chloroform-d	5.066	84	106017	45.921	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.840%
26) 1,2-Dichloroethane-d4	5.706	65	76482	49.363	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.720%
32) Benzene-d6	5.732	84	216642	43.328	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.660%
36) 1,2-Dichloropropane-d6	6.693	67	72452	46.756	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.520%
41) Toluene-d8	7.902	98	182785	40.151	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.300%
43) trans-1,3-Dichloroprop...	8.182	79	33713	45.069	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.140%
47) 2-Hexanone-d5	8.635	63	83048	113.034	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.030%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	121344	51.635	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.280%
66) 1,2-Dichlorobenzene-d4	12.195	152	82357	48.410	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.820%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	1922	1.167	ug/L #	63
8) Chloroethane	1.938	64	10840	11.369	ug/L	100
12) 1,1-Dichloroethene	2.578	96	1114	0.960	ug/L #	1
16) Methylene chloride	3.050	84	4565	3.306	ug/L	89
19) 1,1-Dichloroethane	3.877	63	25353	11.355	ug/L	96
20) cis-1,2-Dichloroethene	4.671	96	23990	18.004	ug/L	93
25) Chloroform	5.092	83	9828	3.962	ug/L	95
30) 1,1,1-Trichloroethane	5.320	97	70679	33.006	ug/L	99
42) Toluene	7.973	91	6821	1.204	ug/L	95

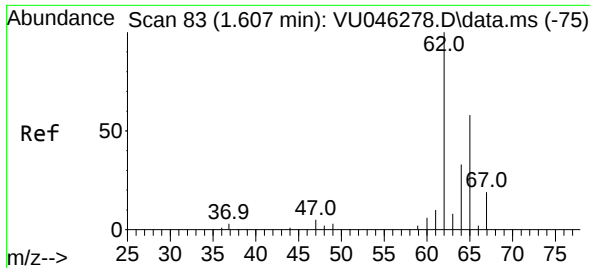
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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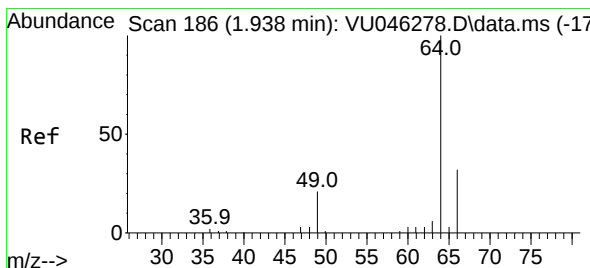
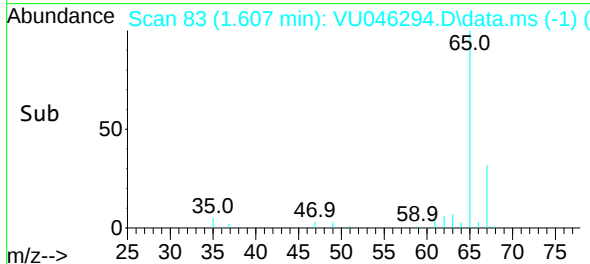
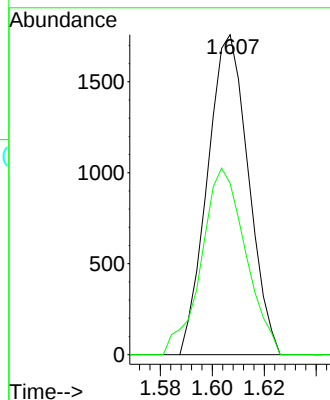
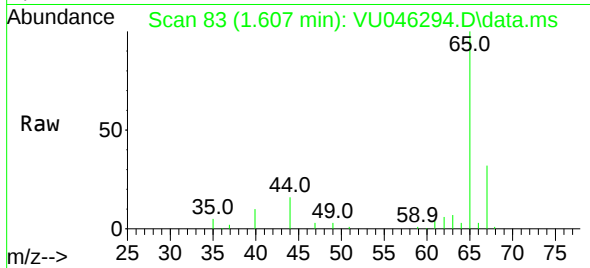




#5
 Vinyl chloride
 Concen: 1.167 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU046294.D
 Acq: 11 Dec 2021 18:05

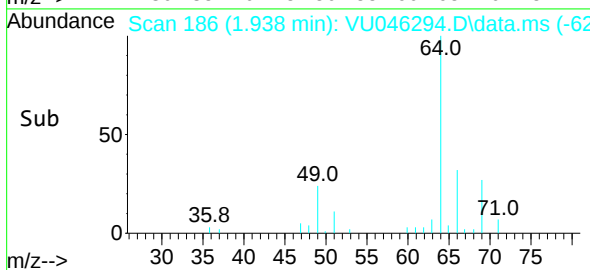
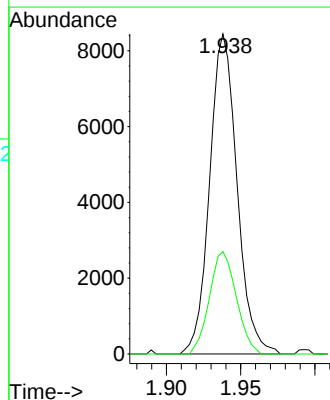
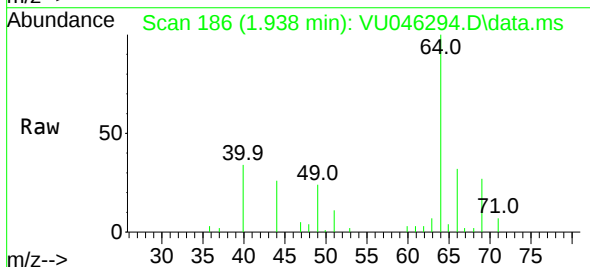
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5P4DL

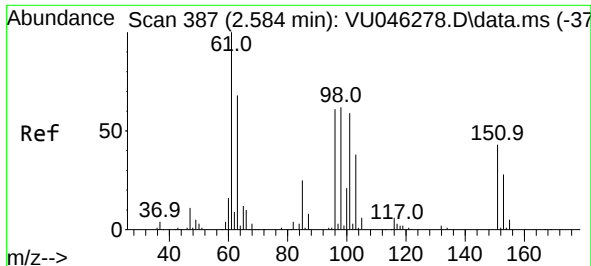
Tgt Ion: 62 Resp: 1922
 Ion Ratio Lower Upper
 62 100
 64 53.6 22.9 42.5#



#8
 Chloroethane
 Concen: 11.369 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. -0.000 min
 Lab File: VU046294.D
 Acq: 11 Dec 2021 18:05

Tgt Ion: 64 Resp: 10840
 Ion Ratio Lower Upper
 64 100
 66 32.0 22.5 41.9

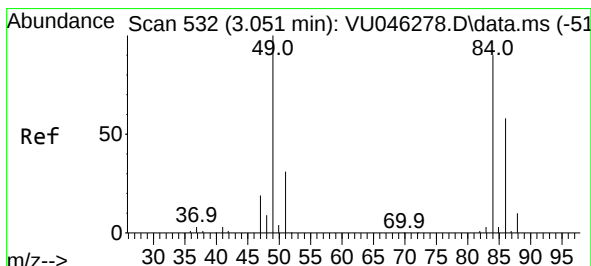
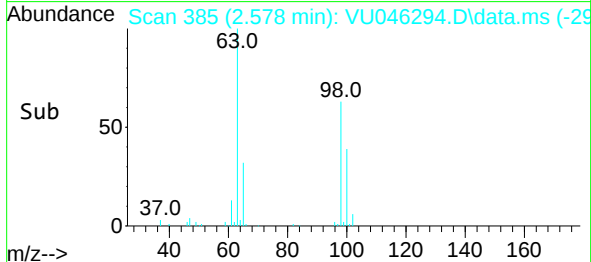
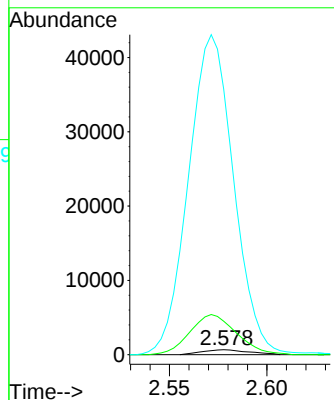
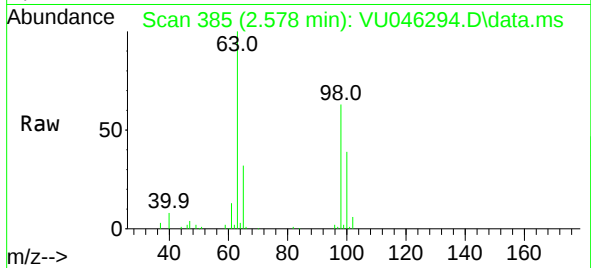




#12
1,1-Dichloroethene
Concen: 0.960 ug/L
RT: 2.578 min Scan# 311
Delta R.T. -0.007 min
Lab File: VU046294.D
Acq: 11 Dec 2021 18:05

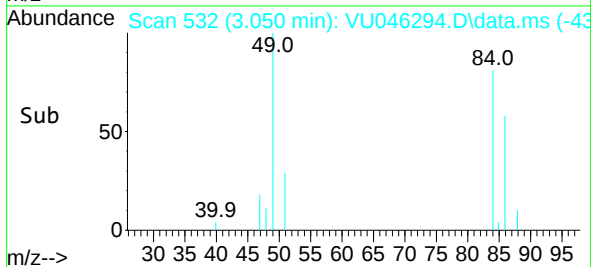
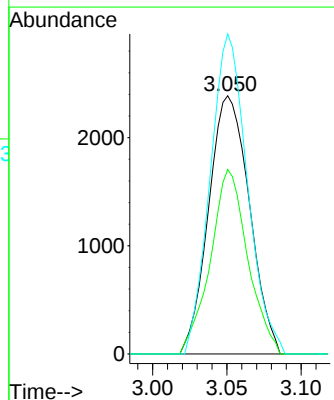
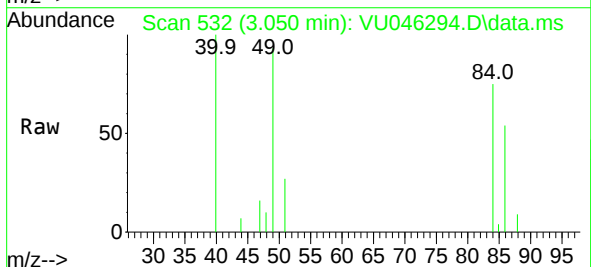
Instrument :
MSVOA_U
ClientSampleId :
EW5P4DL

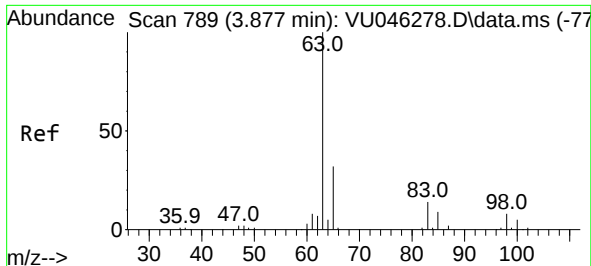
Tgt Ion: 96 Resp: 1114
Ion Ratio Lower Upper
96 100
61 674.3 118.6 220.2#
63 5348.5 93.0 172.8#



#16
Methylene chloride
Concen: 3.306 ug/L
RT: 3.050 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU046294.D
Acq: 11 Dec 2021 18:05

Tgt Ion: 84 Resp: 4565
Ion Ratio Lower Upper
84 100
86 71.4 44.7 83.1
49 123.9 78.4 145.6





#19

1,1-Dichloroethane

Concen: 11.355 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU046294.D

Acq: 11 Dec 2021 18:05

Instrument :

MSVOA_U

ClientSampleId :

EW5P4DL

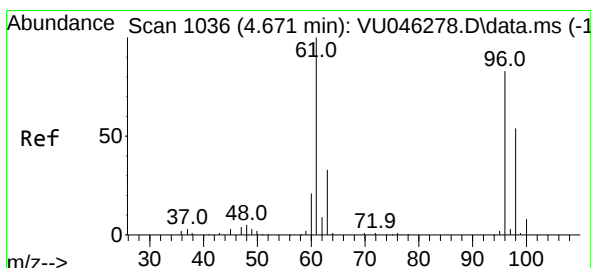
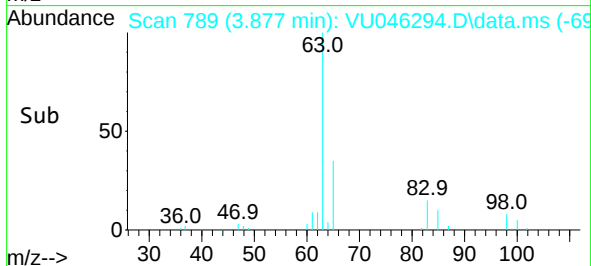
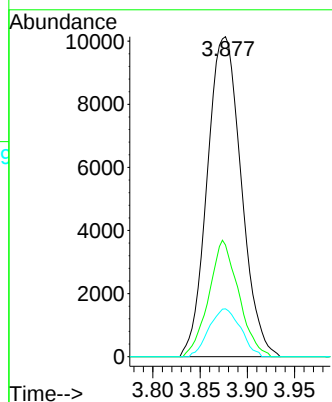
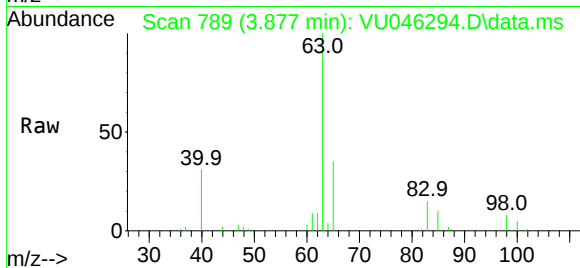
Tgt Ion: 63 Resp: 25353

Ion Ratio Lower Upper

63 100

65 34.9 22.8 42.4

83 14.9 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 18.004 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU046294.D

Acq: 11 Dec 2021 18:05

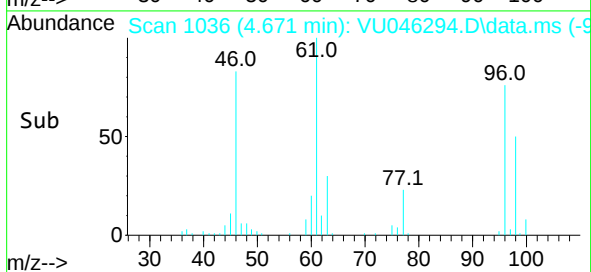
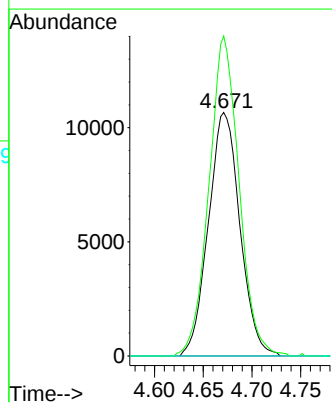
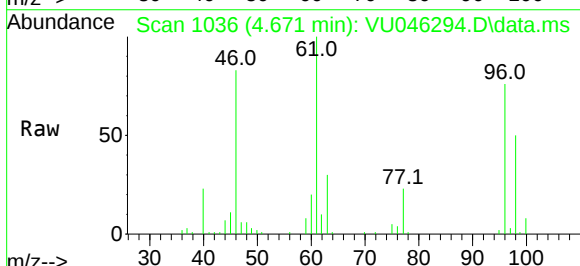
Tgt Ion: 96 Resp: 23990

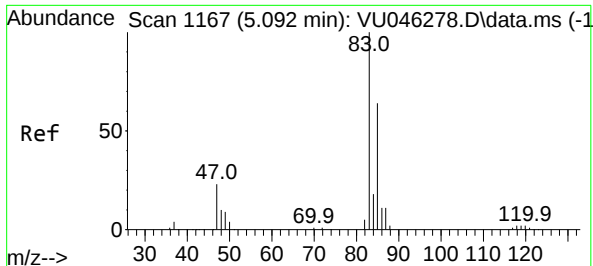
Ion Ratio Lower Upper

96 100

61 131.4 86.8 161.2

68 0.0 0.0 0.0





#25

Chloroform

Concen: 3.962 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU046294.D

Acq: 11 Dec 2021 18:05

Instrument :

MSVOA_U

ClientSampleId :

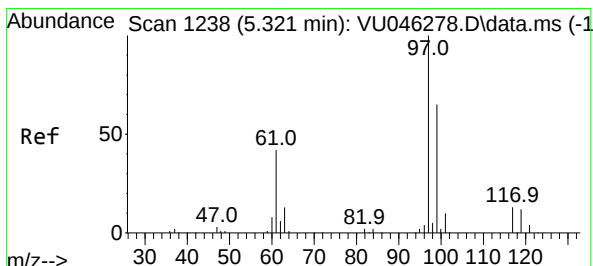
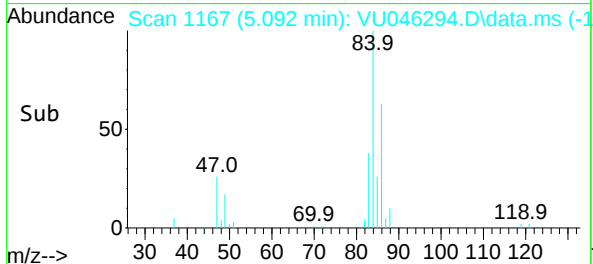
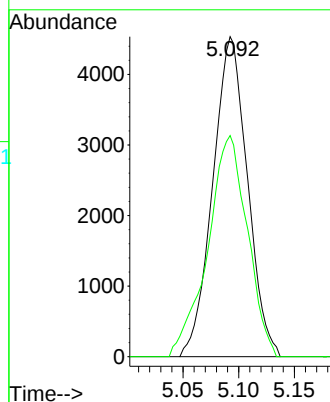
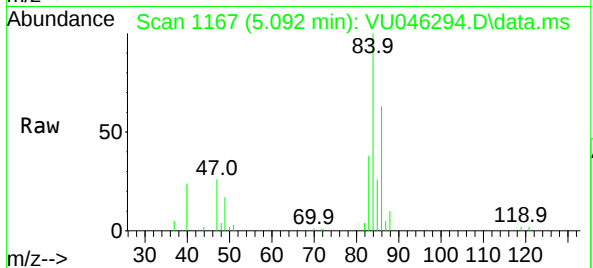
EW5P4DL

Tgt Ion: 83 Resp: 9828

Ion Ratio Lower Upper

83 100

85 69.1 45.8 85.2



#30

1,1,1-Trichloroethane

Concen: 33.006 ug/L

RT: 5.320 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046294.D

Acq: 11 Dec 2021 18:05

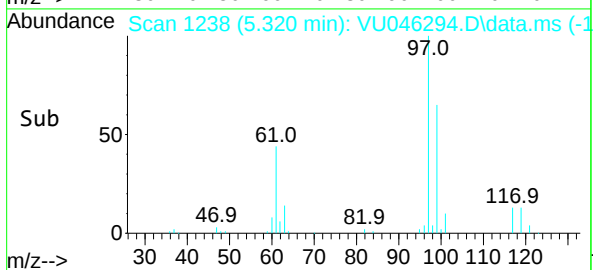
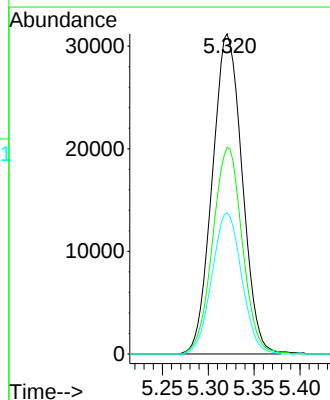
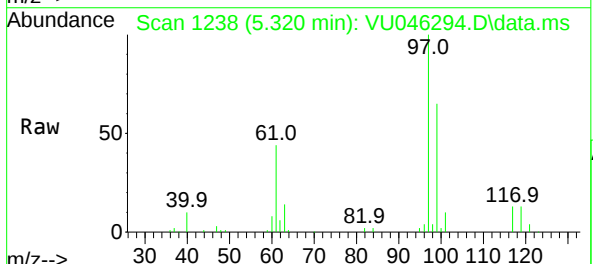
Tgt Ion: 97 Resp: 70679

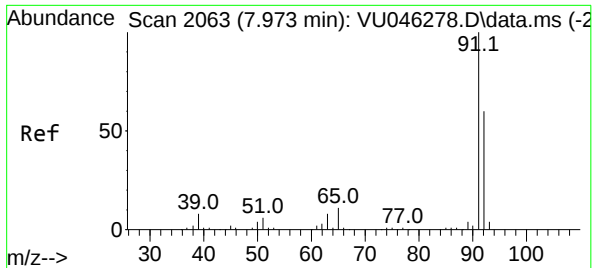
Ion Ratio Lower Upper

97 100

99 64.0 51.8 77.6

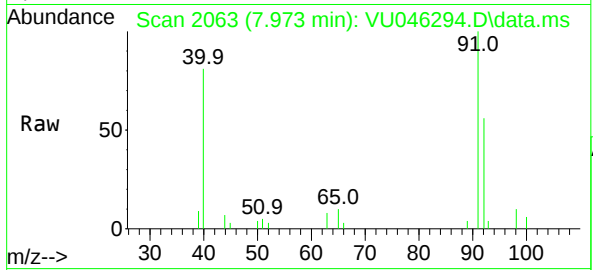
61 43.9 34.4 51.6





#42
 Toluene
 Concen: 1.204 ug/L
 RT: 7.973 min Scan# 20
 Delta R.T. -0.000 min
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 EW5P4DL



Tgt Ion: 91 Resp: 6821
 Ion Ratio Lower Upper
 91 100
 92 56.0 41.9 77.7

