

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
 Data File : VU046197.D
 Acq On : 08 Dec 2021 23:42
 Operator : SY/MD
 Sample : M4982-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 09 04:37:04 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)

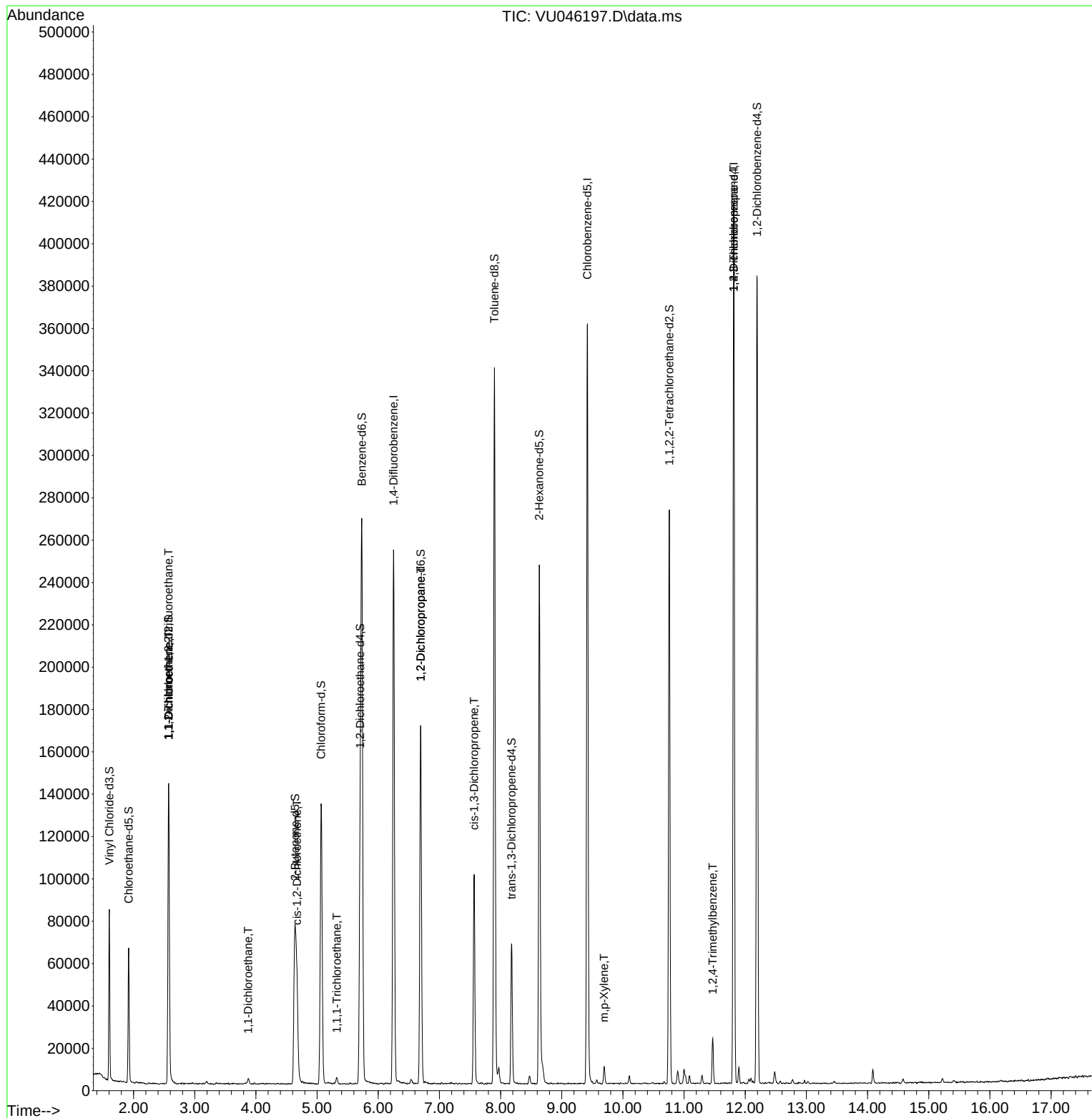
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	214748	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	211252	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	113269	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	55679	31.475	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	62.960%		
7) Chloroethane-d5	1.919	69	45175	33.261	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	66.520%#		
11) 1,1-Dichloroethene-d2	2.572	63	84426	26.585	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	53.180%#		
21) 2-Butanone-d5	4.639	46	127896	90.948	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	90.950%		
24) Chloroform-d	5.067	84	125113	42.352	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.700%		
26) 1,2-Dichloroethane-d4	5.703	65	83117	41.924	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.840%		
32) Benzene-d6	5.732	84	255149	42.140	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.280%		
36) 1,2-Dichloropropane-d6	6.694	67	81452	43.406	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	86.820%		
41) Toluene-d8	7.899	98	232582	42.189	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.380%		
43) trans-1,3-Dichloroprop...	8.179	79	39543	43.653	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.300%		
47) 2-Hexanone-d5	8.633	63	91538	102.884	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	102.880%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	131571	46.234	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.460%		
66) 1,2-Dichlorobenzene-d4	12.195	152	102762	47.109	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.220%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	719	0.460	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	1298	0.874	ug/L #	1
19) 1,1-Dichloroethane	3.874	63	3177	1.112	ug/L	94
20) cis-1,2-Dichloroethene	4.671	96	17687	10.373	ug/L	96
30) 1,1,1-Trichloroethane	5.324	97	2426	0.936	ug/L #	71
37) 1,2-Dichloropropane	6.694	63	9096	5.431	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	2433	0.955	ug/L #	69
53) m,p-Xylene	9.694	106	2641	0.917	ug/L	94
60) 1,2,3-Trichloropropane	11.812	75	12857	5.178	ug/L #	64
63) 1,2,4-Trimethylbenzene	11.468	105	12921	2.102	ug/L	97

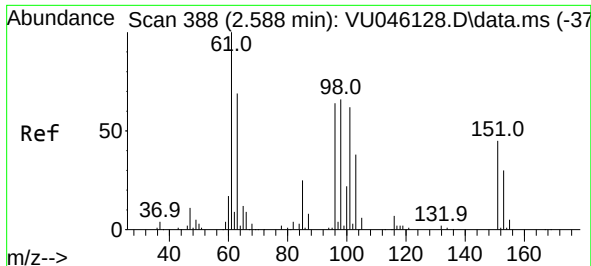
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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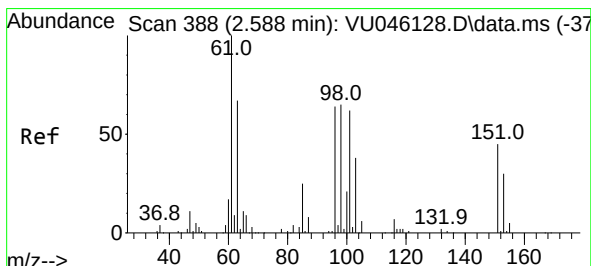
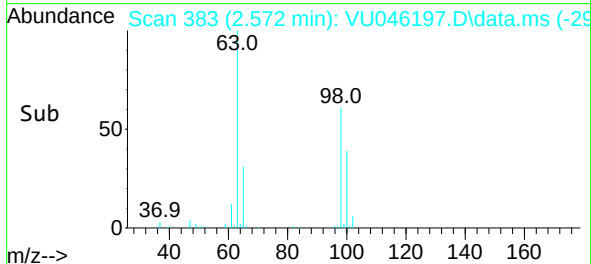
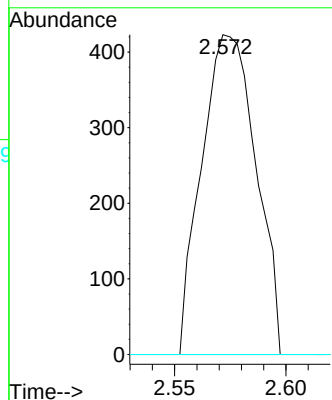
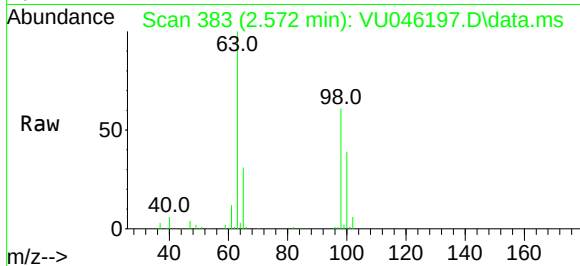




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.460 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU046197.D
 Acq: 08 Dec 2021 23:42

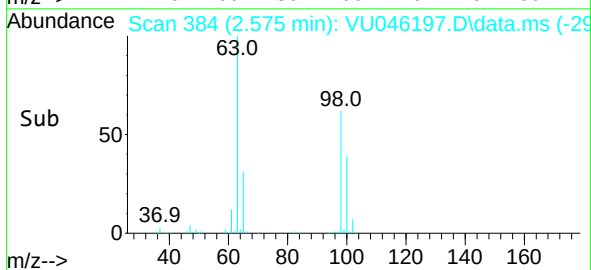
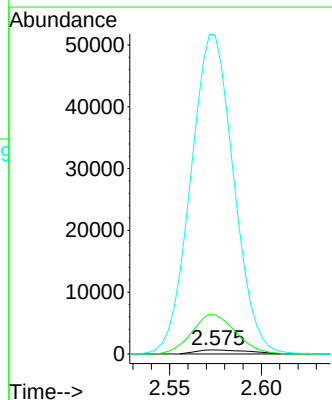
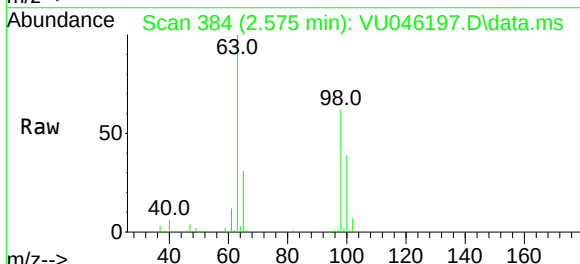
Instrument :
 MSVOA_U
 ClientSampleId :

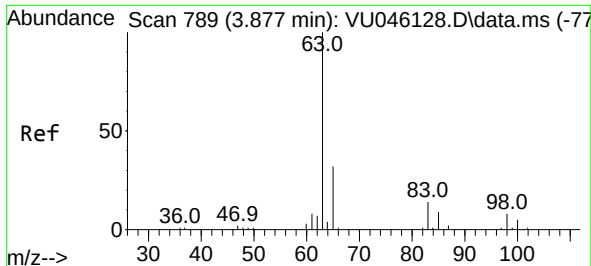
Tgt Ion:101 Resp: 719
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 0.874 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.010 min
 Lab File: VU046197.D
 Acq: 08 Dec 2021 23:42

Tgt Ion: 96 Resp: 1298
 Ion Ratio Lower Upper
 96 100
 61 967.8 118.6 220.2#
 63 7865.9 93.0 172.8#





#19

1,1-Dichloroethane

Concen: 1.112 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.003 min

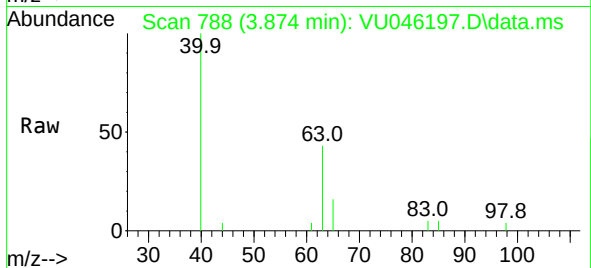
Lab File: VU046197.D

Acq: 08 Dec 2021 23:42

Instrument :

MSVOA_U

ClientSampleId :



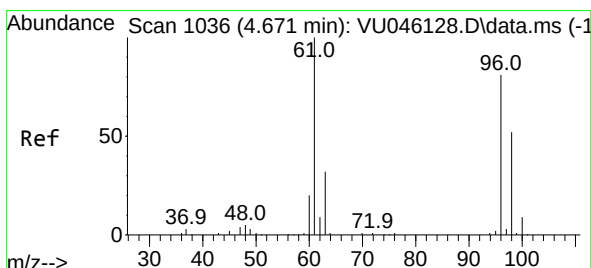
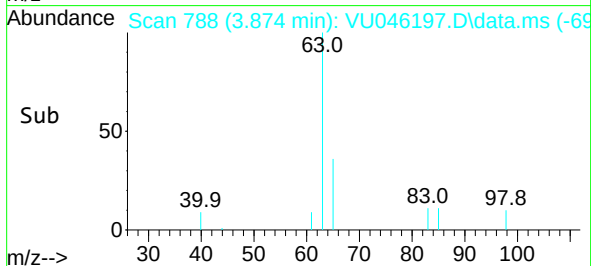
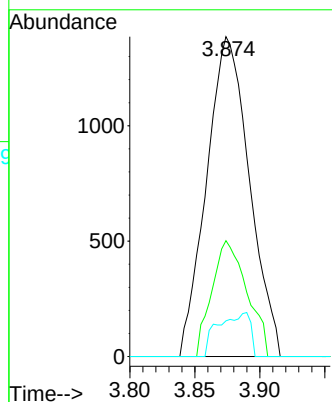
Tgt Ion: 63 Resp: 3177

Ion Ratio Lower Upper

63 100

65 36.2 22.8 42.4

83 11.2 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 10.373 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046197.D

Acq: 08 Dec 2021 23:42

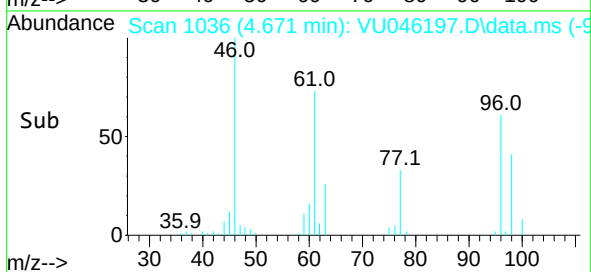
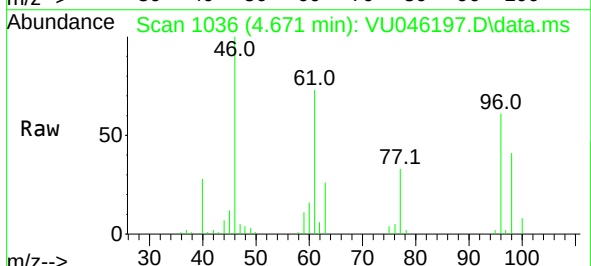
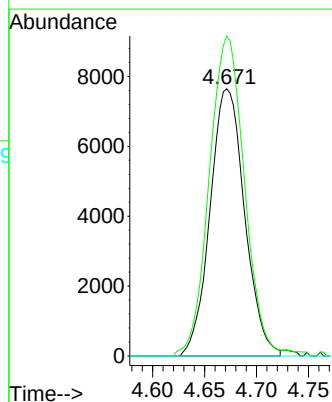
Tgt Ion: 96 Resp: 17687

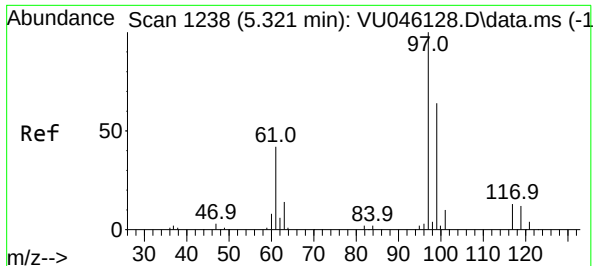
Ion Ratio Lower Upper

96 100

61 119.7 86.8 161.2

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 0.936 ug/L

RT: 5.324 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU046197.D

Acq: 08 Dec 2021 23:42

Instrument :

MSVOA_U

ClientSampleId :

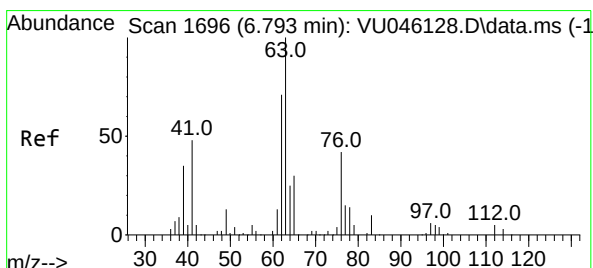
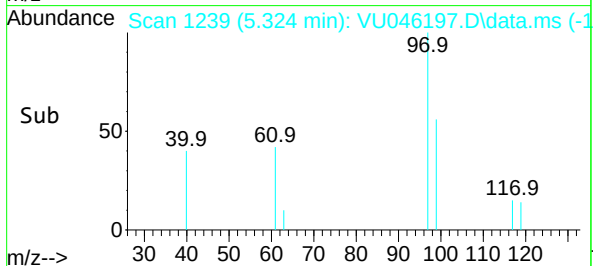
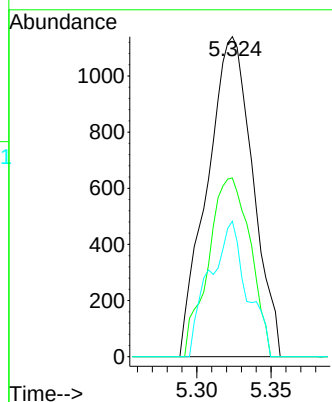
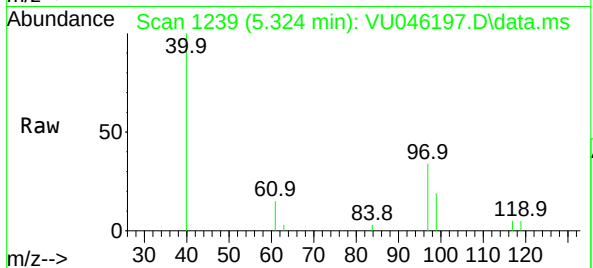
Tgt Ion: 97 Resp: 2426

Ion Ratio Lower Upper

97 100

99 51.6 51.8 77.6#

61 13.1 34.4 51.6#



#37

1,2-Dichloropropane

Concen: 5.431 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.100 min

Lab File: VU046197.D

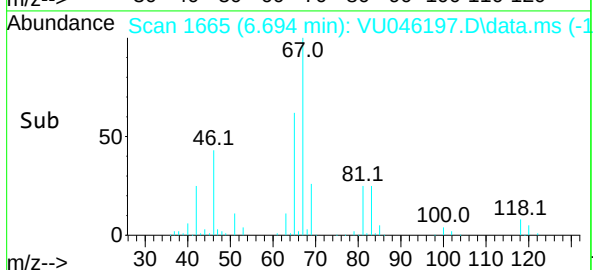
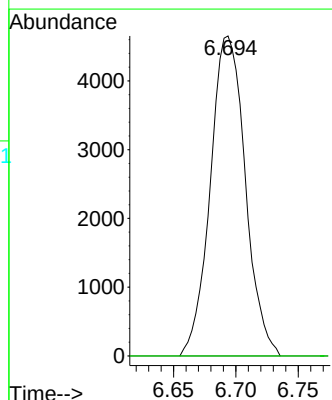
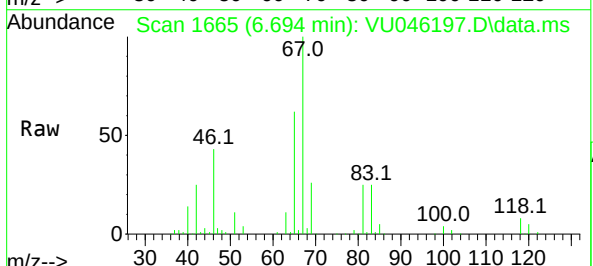
Acq: 08 Dec 2021 23:42

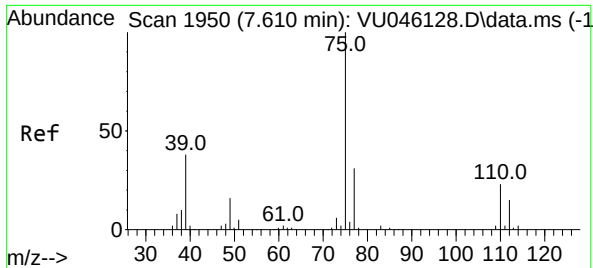
Tgt Ion: 63 Resp: 9096

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.955 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046197.D

Acq: 08 Dec 2021 23:42

Instrument :

MSVOA_U

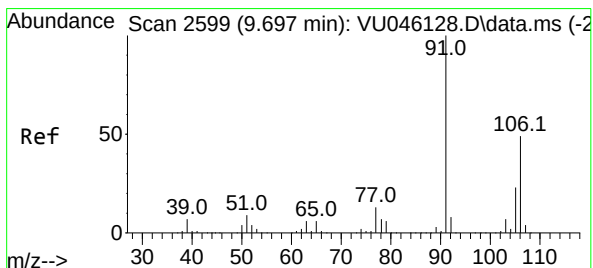
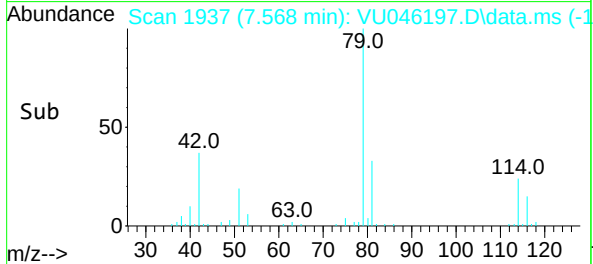
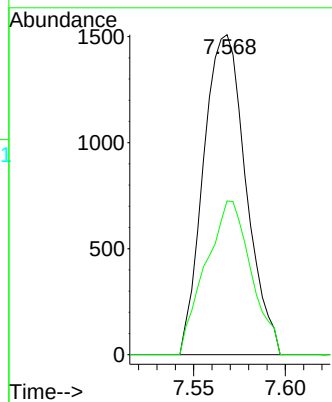
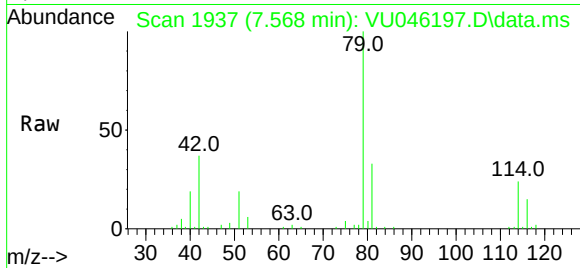
ClientSampleId :

Tgt Ion: 75 Resp: 2433

Ion Ratio Lower Upper

75 100

77 48.0 21.8 40.6#



#53

m,p-Xylene

Concen: 0.917 ug/L

RT: 9.694 min Scan# 2598

Delta R.T. -0.003 min

Lab File: VU046197.D

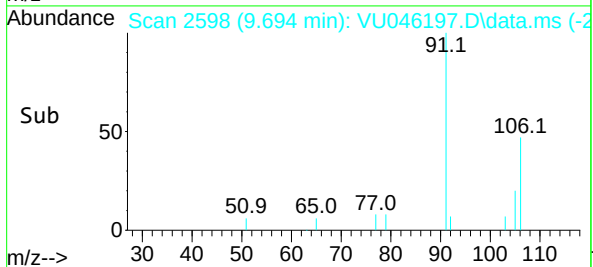
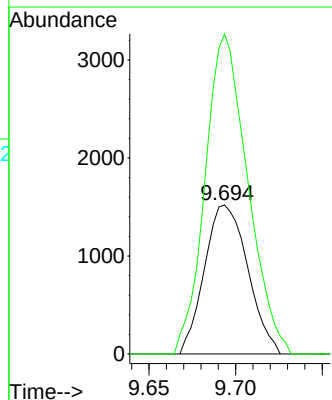
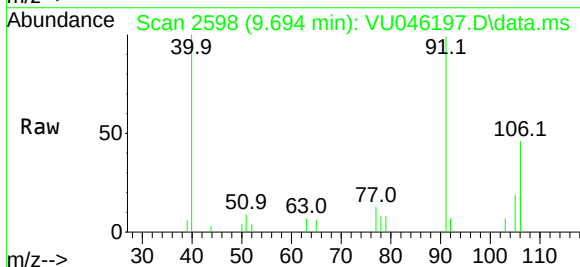
Acq: 08 Dec 2021 23:42

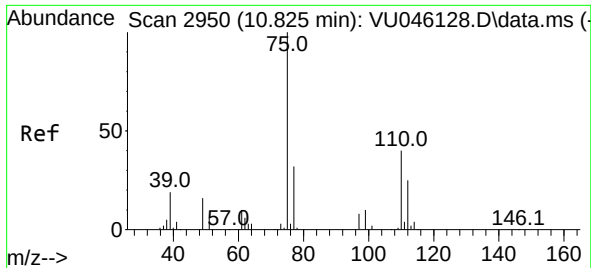
Tgt Ion: 106 Resp: 2641

Ion Ratio Lower Upper

106 100

91 214.9 144.3 268.1

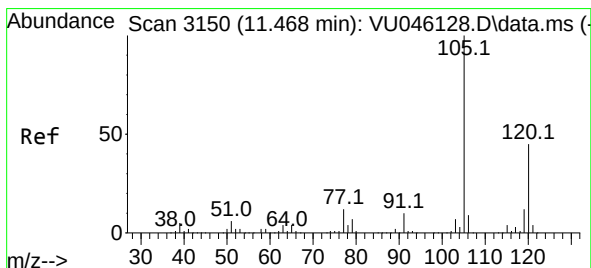
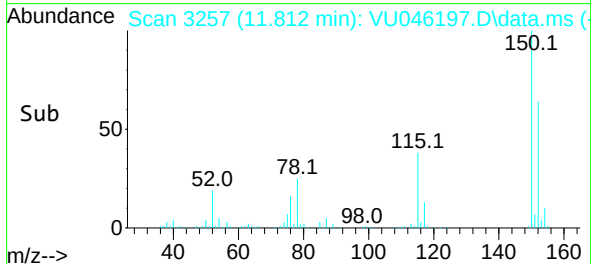
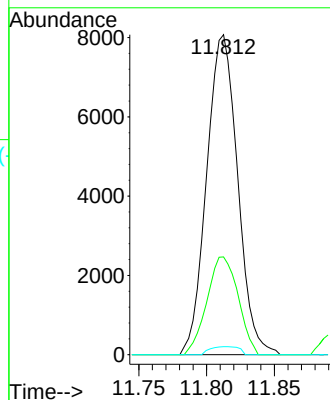
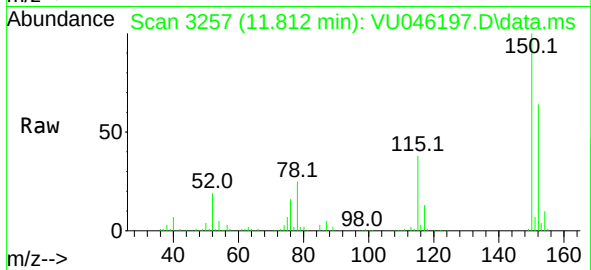




#60
 1,2,3-Trichloropropane
 Concen: 5.178 ug/L
 RT: 11.812 min Scan# 311
 Delta R.T. 0.987 min
 Lab File: VU046197.D
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Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 75 Resp: 12857
 Ion Ratio Lower Upper
 75 100
 77 30.7 26.4 39.6
 110 2.3 32.4 48.6#



#63
 1,2,4-Trimethylbenzene
 Concen: 2.102 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.003 min
 Lab File: VU046197.D
 Acq: 08 Dec 2021 23:42

Tgt Ion: 105 Resp: 12921
 Ion Ratio Lower Upper
 105 100
 120 45.9 35.2 52.8

