

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121621\
 Data File : VU046431.D
 Acq On : 16 Dec 2021 19:03
 Operator : SY/MD
 Sample : M5037-20
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

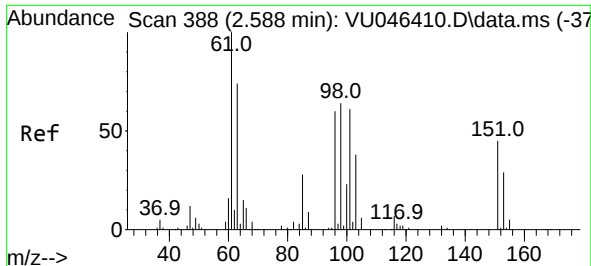
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 01:55:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 17 01:49:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	139604	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	144766	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	69174	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	55173	47.977	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.960%		
7) Chloroethane-d5	1.919	69	40793	46.201	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.400%		
11) 1,1-Dichloroethene-d2	2.572	63	71373	34.573	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	69.140%		
21) 2-Butanone-d5	4.636	46	76207	83.361	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	83.360%		
24) Chloroform-d	5.070	84	97904	50.981	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.960%		
26) 1,2-Dichloroethane-d4	5.706	65	65049	50.472	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.940%		
32) Benzene-d6	5.732	84	189833	45.751	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.500%		
36) 1,2-Dichloropropane-d6	6.694	67	59990	46.651	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.300%		
41) Toluene-d8	7.899	98	165290	43.752	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.500%		
43) trans-1,3-Dichloroprop...	8.179	79	26943	43.403	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.800%		
47) 2-Hexanone-d5	8.636	63	56507	92.679	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	92.680%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	87534	44.886	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.780%		
66) 1,2-Dichlorobenzene-d4	12.195	152	63871	47.945	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.900%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	546	0.538	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	445	0.461	ug/L #	1
27) 1,2-Dichloroethane	5.729	62	1007	0.658	ug/L #	73
35) Methylcyclohexane	6.694	83	15133	8.455	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6548	5.705	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1701	0.974	ug/L #	56
51) Chlorobenzene	9.449	112	4689	1.542	ug/L	94
60) 1,2,3-Trichloropropane	11.812	75	8306	5.478	ug/L #	65

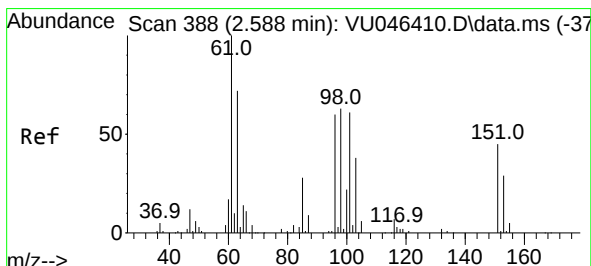
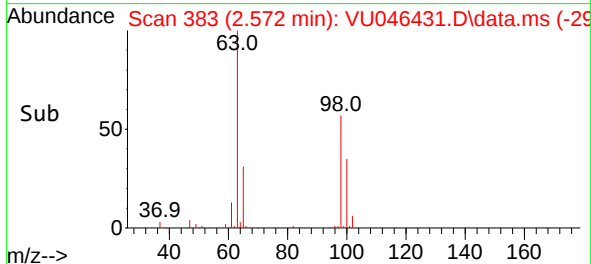
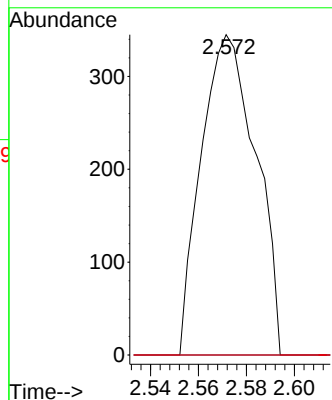
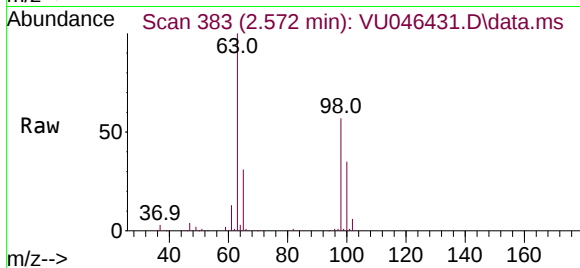
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.538 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU046431.D
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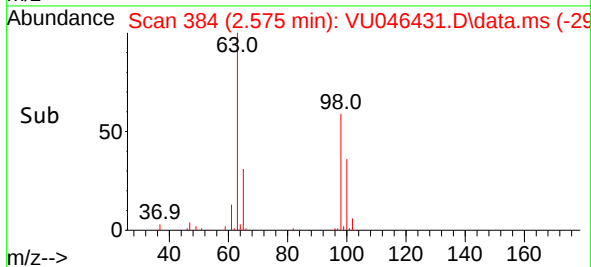
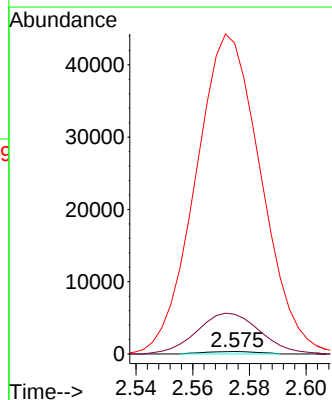
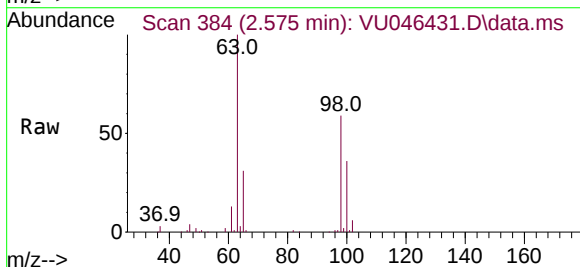
Instrument :
MSVOA_U
ClientSampleId :

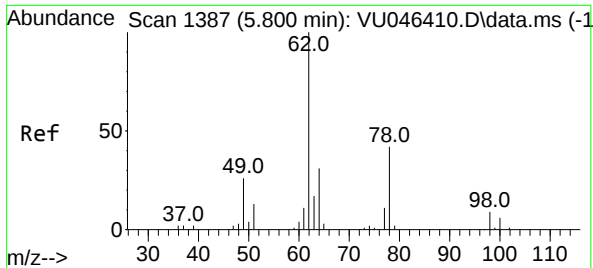
Tgt Ion:101 Resp: 546
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 0.461 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.013 min
Lab File: VU046431.D
Acq: 16 Dec 2021 19:03

Tgt Ion: 96 Resp: 445
Ion Ratio Lower Upper
96 100
61 1657.5 118.6 220.2#
63 12956.6 93.0 172.8#

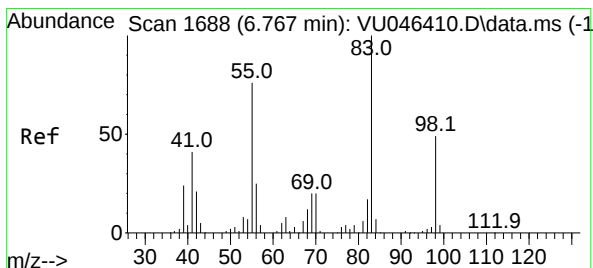
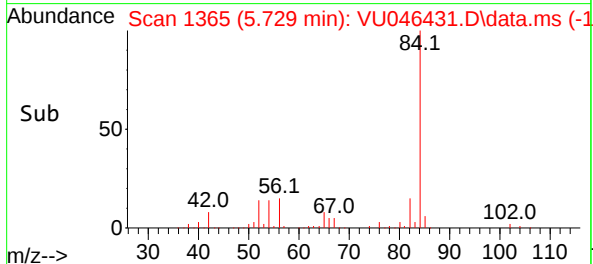
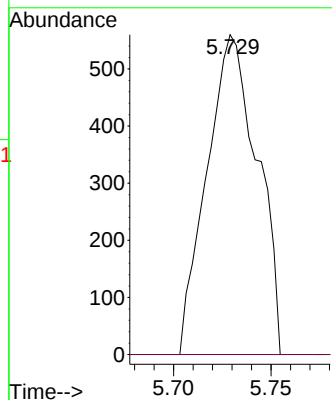
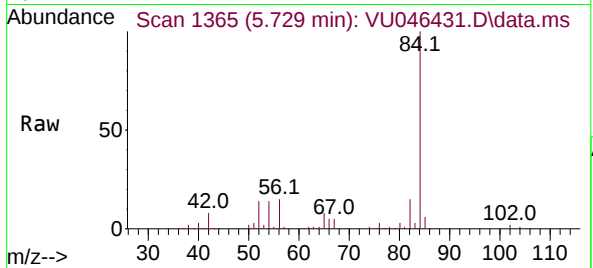




#27
1,2-Dichloroethane
Concen: 0.658 ug/L
RT: 5.729 min Scan# 11
Delta R.T. -0.071 min
Lab File: VU046431.D
Acq: 16 Dec 2021 19:03

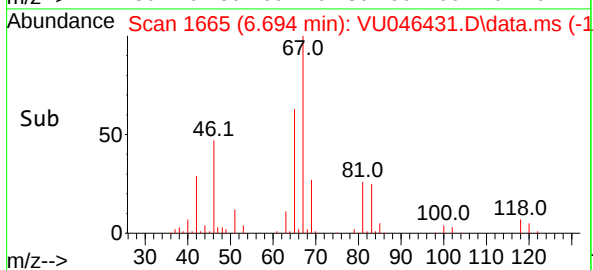
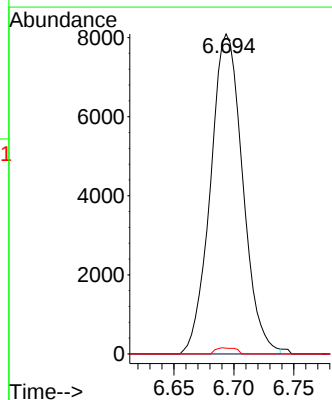
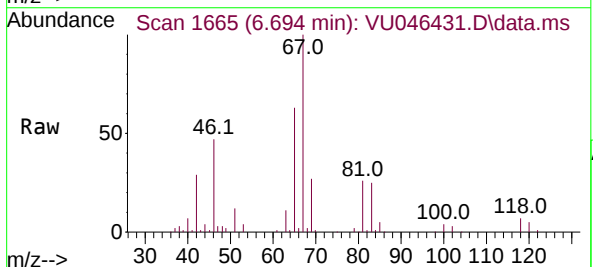
Instrument :
MSVOA_U
ClientSampleId :

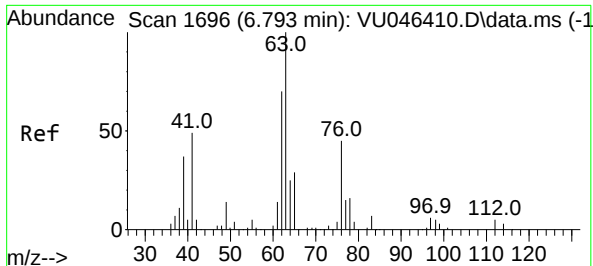
Tgt Ion: 62 Resp: 1007
Ion Ratio Lower Upper
62 100
98 0.0 7.9 11.9#



#35
Methylcyclohexane
Concen: 8.455 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046431.D
Acq: 16 Dec 2021 19:03

Tgt Ion: 83 Resp: 15133
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 1.2 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 5.705 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046431.D

Acq: 16 Dec 2021 19:03

Instrument :

MSVOA_U

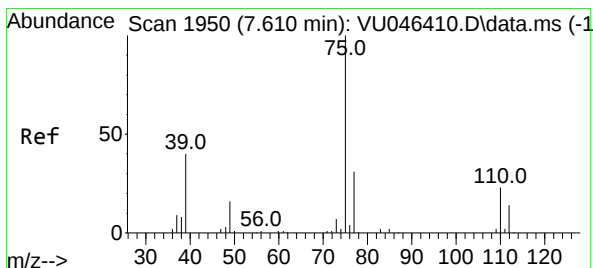
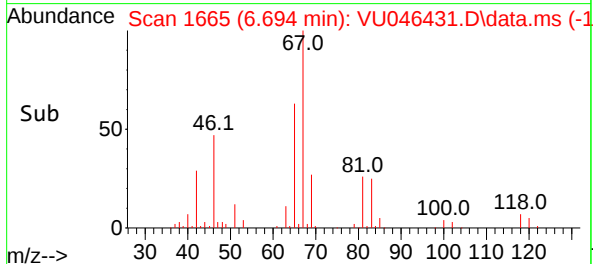
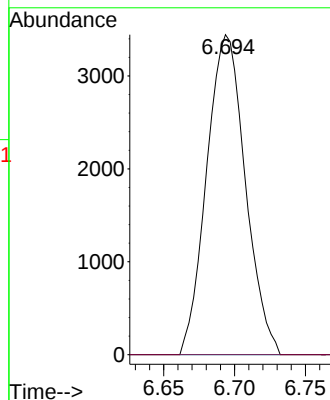
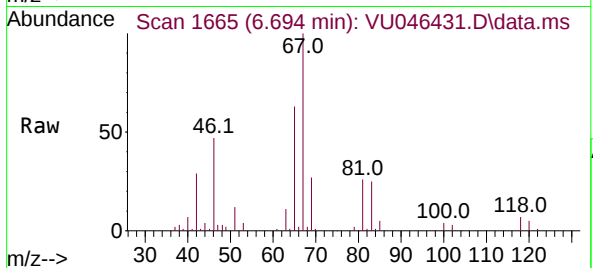
ClientSampleId :

Tgt Ion: 63 Resp: 6548

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.974 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046431.D

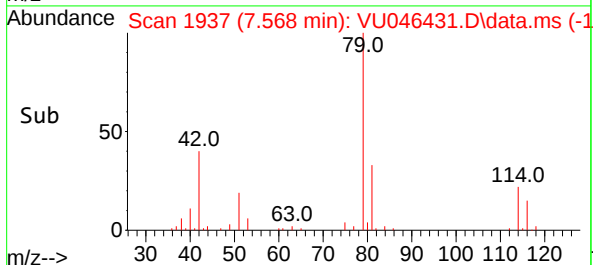
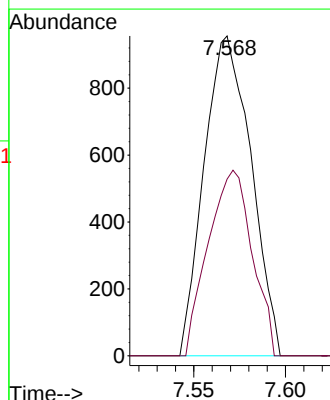
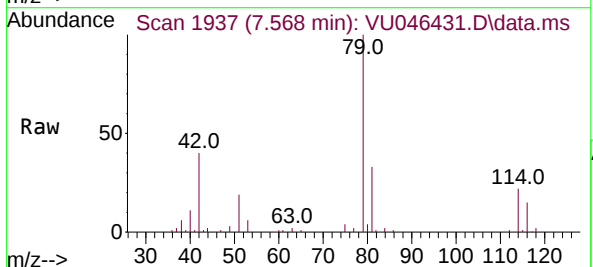
Acq: 16 Dec 2021 19:03

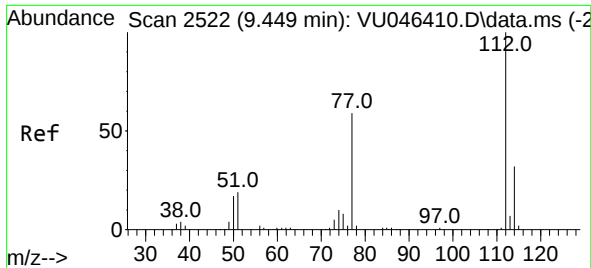
Tgt Ion: 75 Resp: 1701

Ion Ratio Lower Upper

75 100

77 55.2 21.8 40.6#

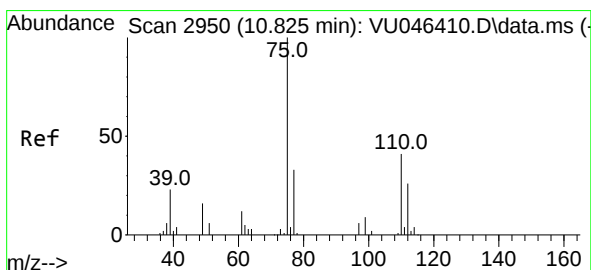
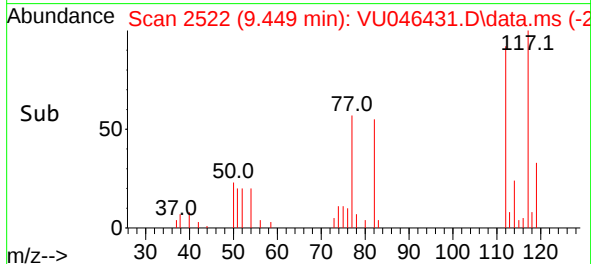
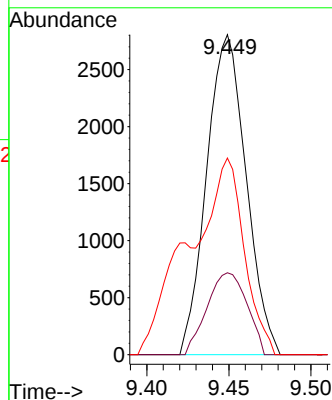
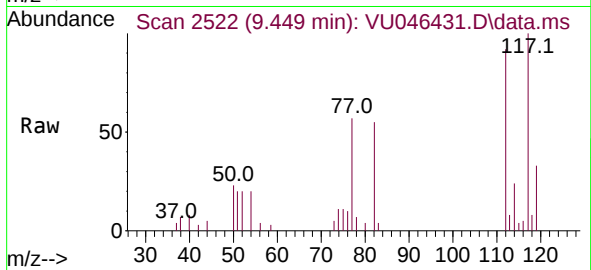




#51
Chlorobenzene
Concen: 1.542 ug/L
RT: 9.449 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046431.D
Acq: 16 Dec 2021 19:03

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	112	Resp:	4689
Ion Ratio	Lower	Upper	
112	100		
114	25.6	22.2	41.2
77	61.5	47.4	71.0



#60
1,2,3-Trichloropropane
Concen: 5.478 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046431.D
Acq: 16 Dec 2021 19:03

Tgt Ion:	75	Resp:	8306
Ion Ratio	Lower	Upper	
75	100		
77	33.3	26.4	39.6
110	0.8	32.4	48.6#

