

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121521\
 Data File : VU046397.D
 Acq On : 15 Dec 2021 15:07
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 16 03:10:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 16 02:25:11 2021
 Response via : Initial Calibration

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

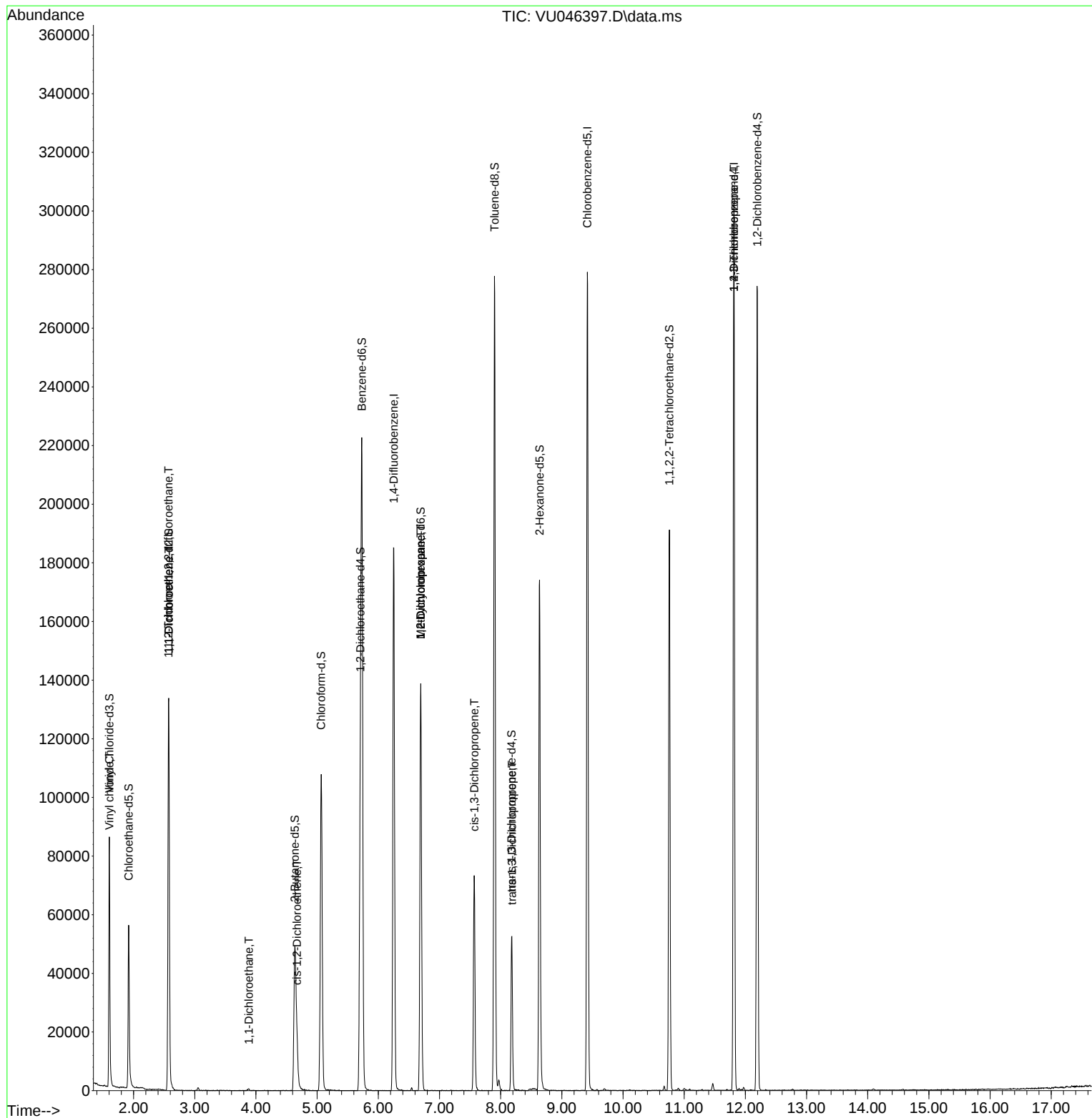
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	150890	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	154929	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	78785	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	63547	51.126	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.260%
7) Chloroethane-d5	1.919	69	45348	47.518	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.040%
11) 1,1-Dichloroethene-d2	2.575	63	80308	35.991	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.980%
21) 2-Butanone-d5	4.636	46	84724	85.745	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.750%
24) Chloroform-d	5.067	84	103156	49.698	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.400%
26) 1,2-Dichloroethane-d4	5.707	65	69972	50.231	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.460%
32) Benzene-d6	5.732	84	207355	46.696	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.400%
36) 1,2-Dichloropropane-d6	6.694	67	63928	46.453	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.900%
41) Toluene-d8	7.899	98	181686	44.937	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.880%
43) trans-1,3-Dichloroprop...	8.179	79	30430	45.805	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.620%
47) 2-Hexanone-d5	8.636	63	62943	96.463	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.460%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	92164	44.160	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.320%
66) 1,2-Dichlorobenzene-d4	12.195	152	69125	45.559	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.120%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	981	0.663	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	531	0.484	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	600	0.575	ug/L #	1
19) 1,1-Dichloroethane	3.883	63	990	0.493	ug/L #	90
20) cis-1,2-Dichloroethene	4.671	96	4225	3.527	ug/L	98
35) Methylcyclohexane	6.694	83	15989	8.348	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	7486	6.094	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1842	0.986	ug/L #	49
44) trans-1,3-Dichloropropene	8.186	75	1558	0.849	ug/L	91
60) 1,2,3-Trichloropropane	11.812	75	9539	5.523	ug/L #	65

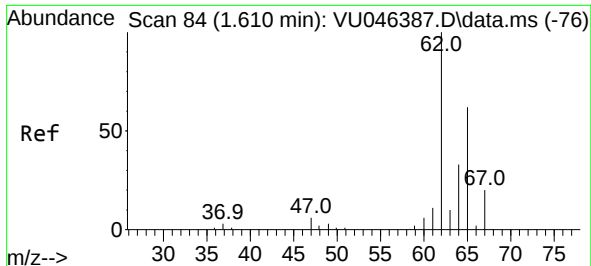
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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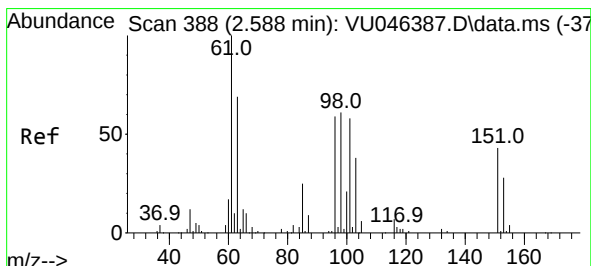
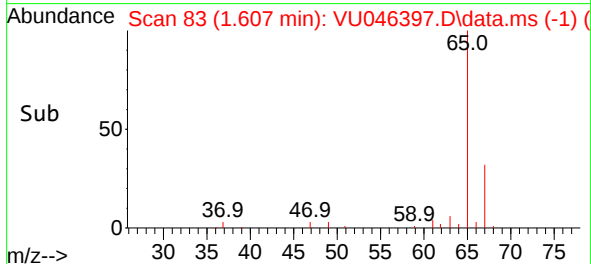
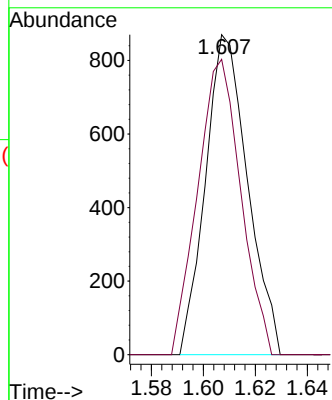
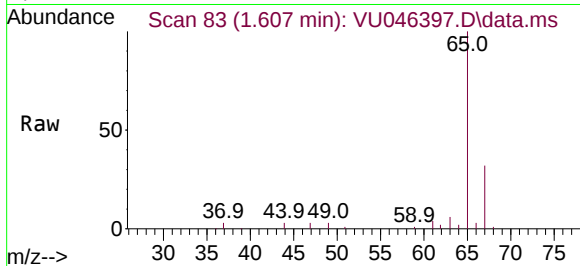




#5
 Vinyl chloride
 Concen: 0.663 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU046397.D
 Acq: 15 Dec 2021 15:07

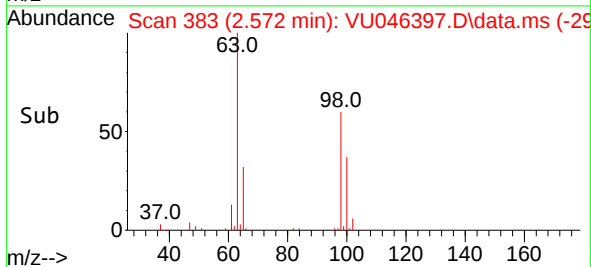
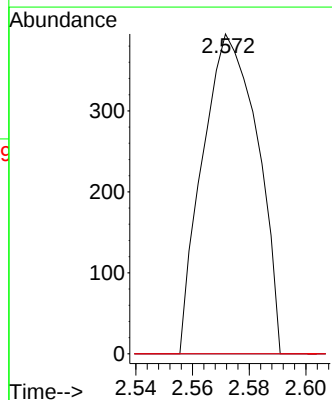
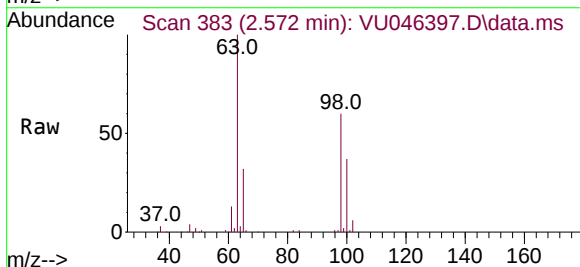
Instrument :
 MSVOA_U
 ClientSampleId :

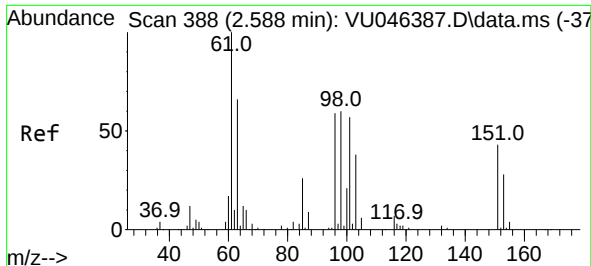
Tgt Ion: 62 Resp: 981
 Ion Ratio Lower Upper
 62 100
 64 92.3 22.9 42.5#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.484 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU046397.D
 Acq: 15 Dec 2021 15:07

Tgt Ion: 101 Resp: 531
 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: 0.575 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.013 min

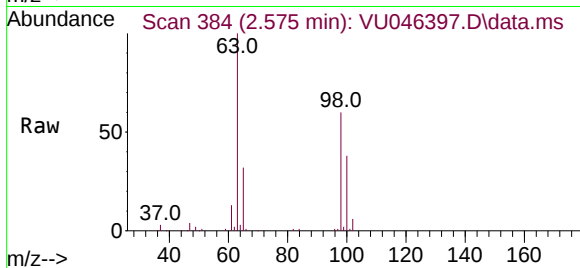
Lab File: VU046397.D

Acq: 15 Dec 2021 15:07

Instrument :

MSVOA_U

ClientSampleId :



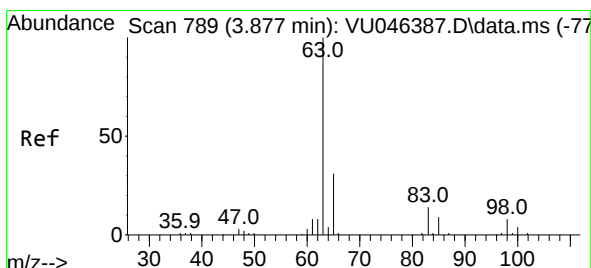
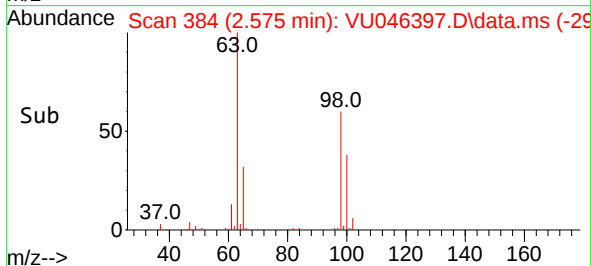
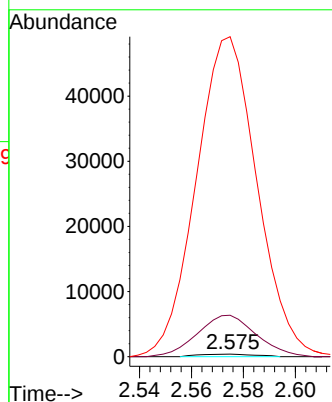
Tgt Ion: 96 Resp: 600

Ion Ratio Lower Upper

96 100

61 1609.1 118.6 220.2#

63 12437.5 93.0 172.8#



#19

1,1-Dichloroethane

Concen: 0.493 ug/L

RT: 3.883 min Scan# 791

Delta R.T. 0.006 min

Lab File: VU046397.D

Acq: 15 Dec 2021 15:07

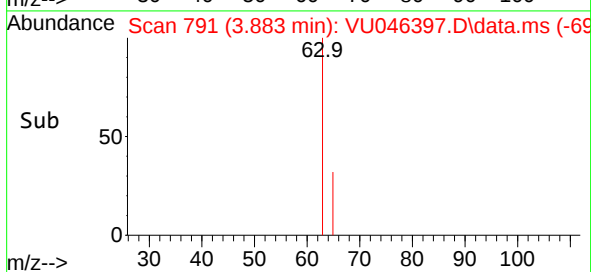
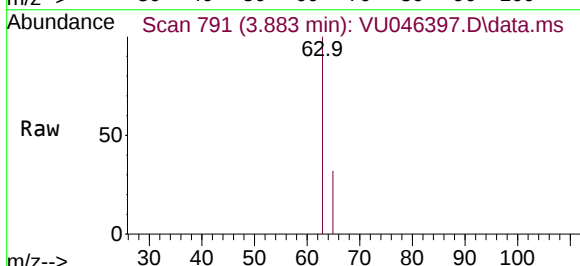
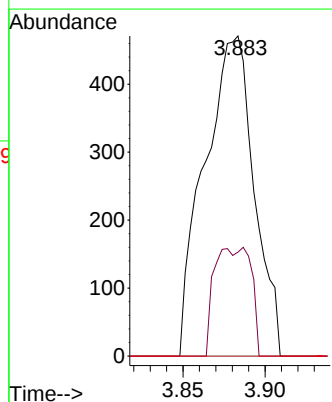
Tgt Ion: 63 Resp: 990

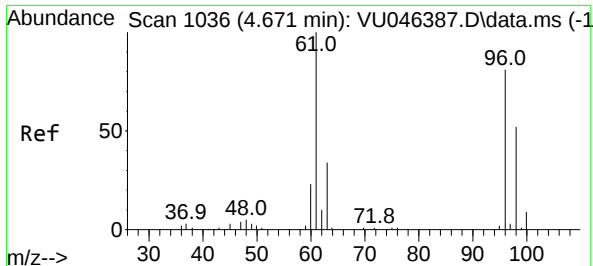
Ion Ratio Lower Upper

63 100

65 32.5 22.8 42.4

83 0.0 9.6 17.8#





#20

cis-1,2-Dichloroethene

Concen: 3.527 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU046397.D

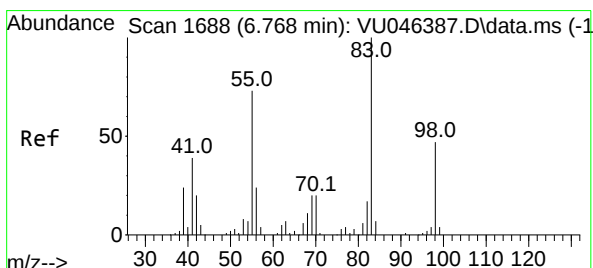
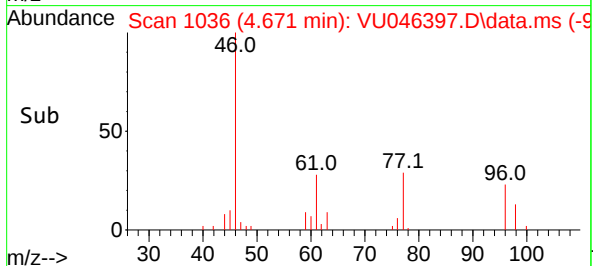
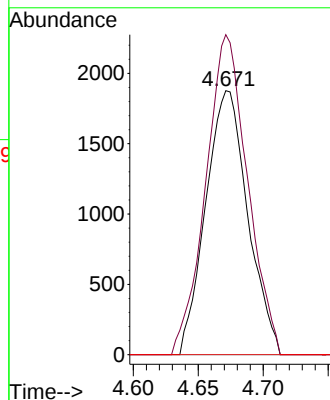
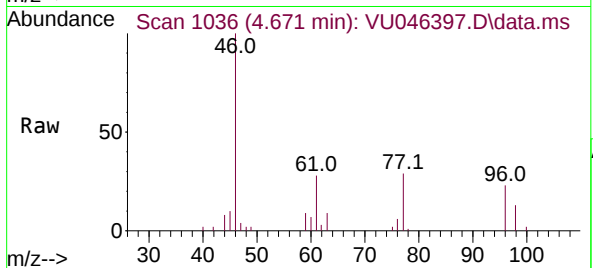
Acq: 15 Dec 2021 15:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96	Resp: 4225
Ion Ratio	Lower Upper
96 100	
61 121.2	86.8 161.2
68 0.0	0.0 0.0



#35

Methylcyclohexane

Concen: 8.348 ug/L

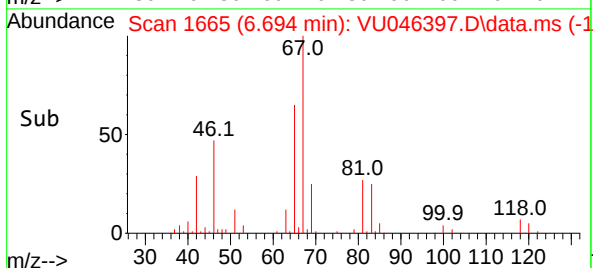
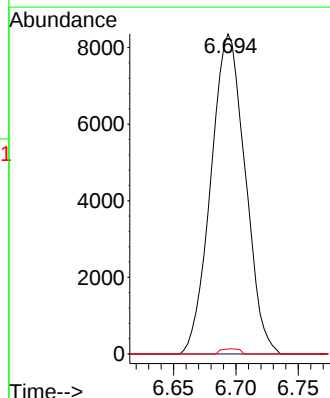
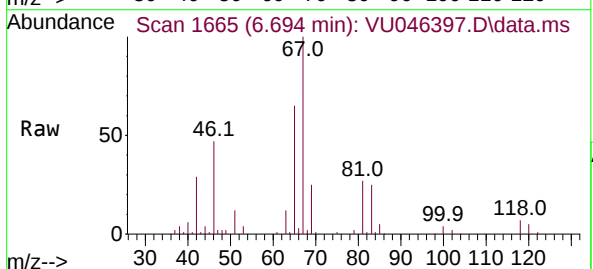
RT: 6.694 min Scan# 1665

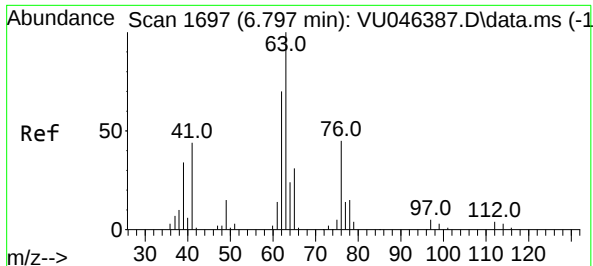
Delta R.T. -0.074 min

Lab File: VU046397.D

Acq: 15 Dec 2021 15:07

Tgt Ion: 83	Resp: 15989
Ion Ratio	Lower Upper
83 100	
55 0.0	57.8 86.6#
98 0.9	38.4 57.6#





#37

1,2-Dichloropropane

Concen: 6.094 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046397.D

Acq: 15 Dec 2021 15:07

Instrument :

MSVOA_U

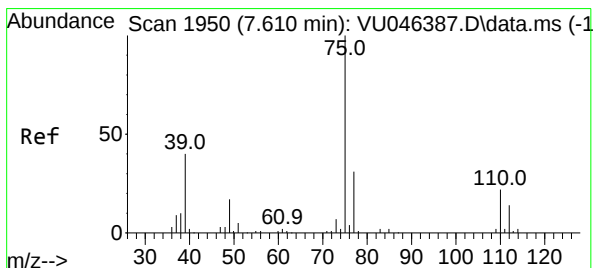
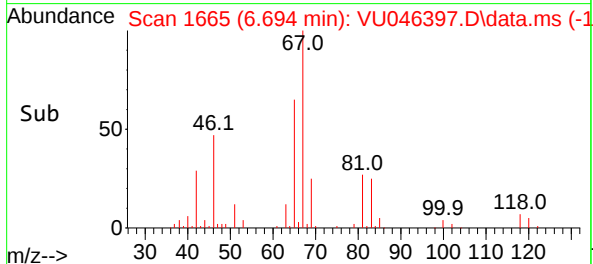
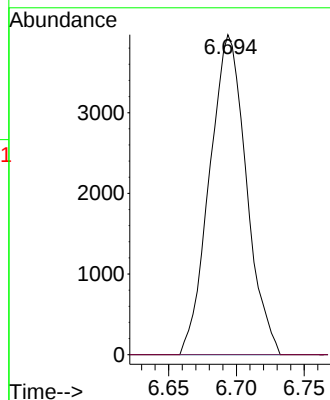
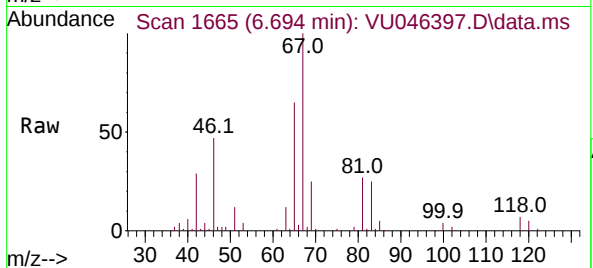
ClientSampleId :

Tgt Ion: 63 Resp: 7486

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.986 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046397.D

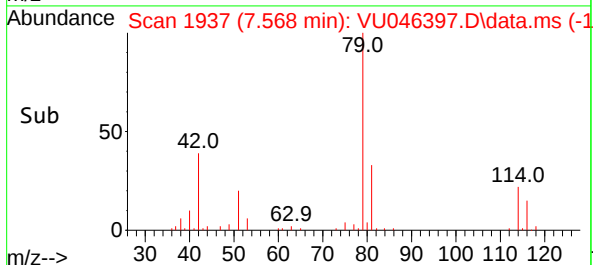
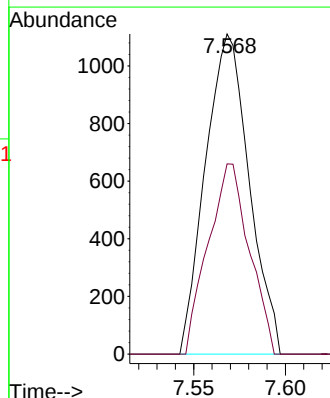
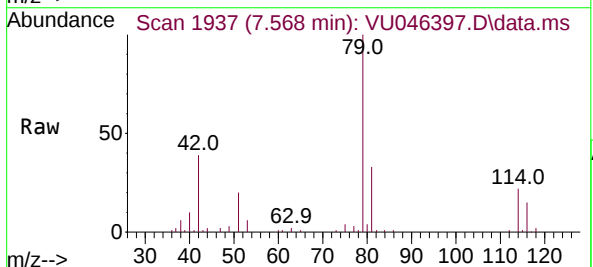
Acq: 15 Dec 2021 15:07

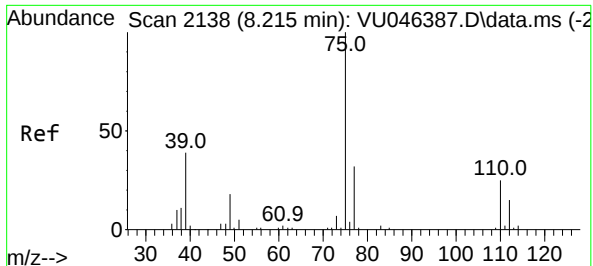
Tgt Ion: 75 Resp: 1842

Ion Ratio Lower Upper

75 100

77 59.4 21.8 40.6#

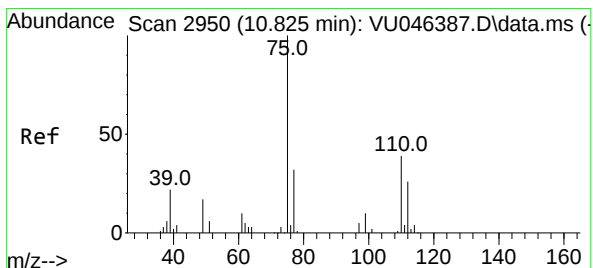
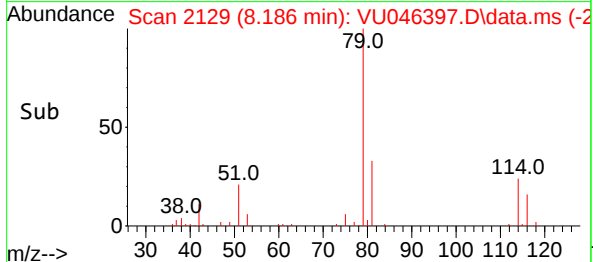
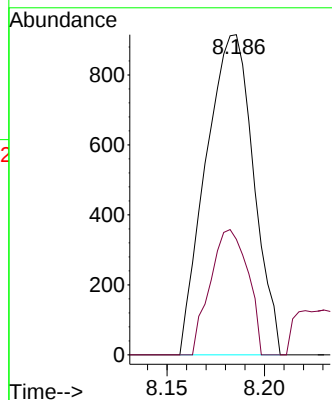
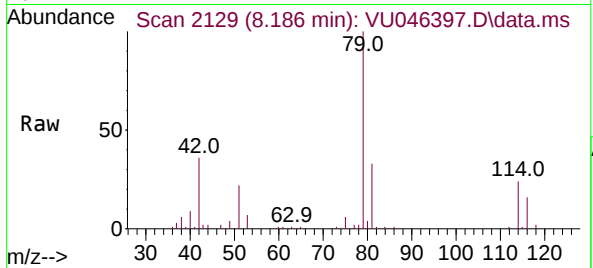




#44
trans-1,3-Dichloropropene
Concen: 0.849 ug/L
RT: 8.186 min Scan# 2138
Delta R.T. -0.029 min
Lab File: VU046397.D
Acq: 15 Dec 2021 15:07

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 1558
Ion Ratio Lower Upper
75 100
77 36.1 21.7 40.3



#60
1,2,3-Trichloropropane
Concen: 5.523 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046397.D
Acq: 15 Dec 2021 15:07

Tgt Ion: 75 Resp: 9539
Ion Ratio Lower Upper
75 100
77 34.9 26.4 39.6
110 2.9 32.4 48.6#

