

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
 Data File : VU046229.D
 Acq On : 09 Dec 2021 18:50
 Operator : SY/MD
 Sample : M4983-17
 Misc : 5.4mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 03:45:58 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)

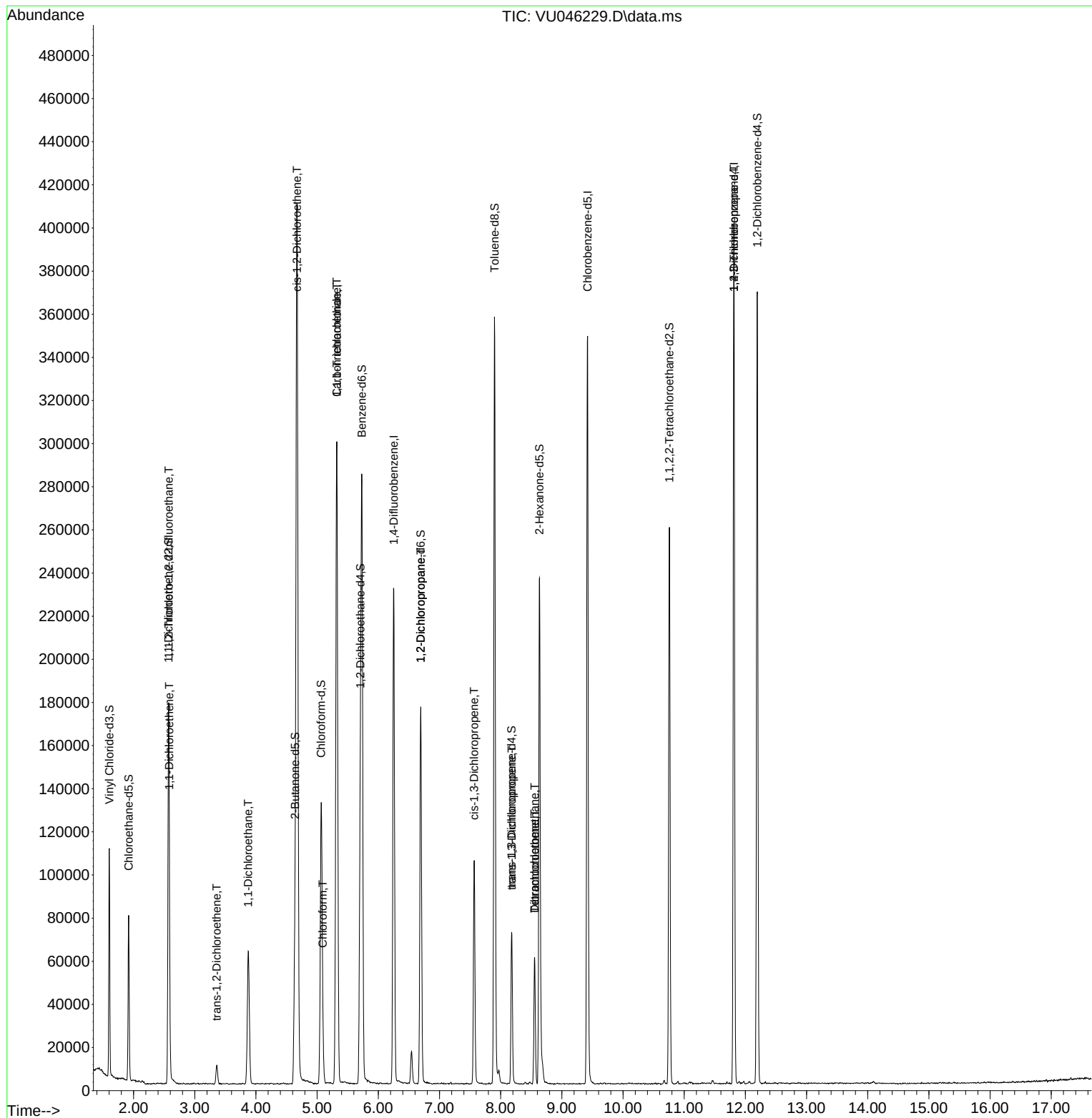
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	192761	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	198996	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	103861	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	75025	47.249	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.500%
7) Chloroethane-d5	1.919	69	55270	45.335	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.660%
11) 1,1-Dichloroethene-d2	2.572	63	103487	36.305	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.600%
21) 2-Butanone-d5	4.639	46	126619	100.310	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.310%
24) Chloroform-d	5.067	84	121054	45.652	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.300%
26) 1,2-Dichloroethane-d4	5.706	65	86104	48.385	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.780%
32) Benzene-d6	5.732	84	268644	47.101	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.200%
36) 1,2-Dichloropropane-d6	6.694	67	84253	47.664	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.320%
41) Toluene-d8	7.899	98	241303	46.466	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.940%
43) trans-1,3-Dichloroprop...	8.179	79	40972	48.016	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.040%
47) 2-Hexanone-d5	8.632	63	86995	103.800	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.800%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	129572	48.335	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.680%
66) 1,2-Dichlorobenzene-d4	12.195	152	95752	47.872	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.740%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	861	0.614	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	7908	5.933	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	4052	2.873	ug/L	91
19) 1,1-Dichloroethane	3.874	63	70939	27.661	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	208317	136.114	ug/L	99
25) Chloroform	5.092	83	12054	4.230	ug/L	100
30) 1,1,1-Trichloroethane	5.321	97	220032	90.078	ug/L	99
31) Carbon tetrachloride	5.321	117	28238	13.617	ug/L	96
37) 1,2-Dichloropropane	6.694	63	8654	5.485	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	2561	1.067	ug/L #	77
44) trans-1,3-Dichloropropene	8.182	75	1585	0.672	ug/L #	69
46) Tetrachloroethene	8.555	164	13093	11.229	ug/L	97
49) Dibromochloromethane	8.555	129	12986	7.813	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	12607	5.537	ug/L #	66

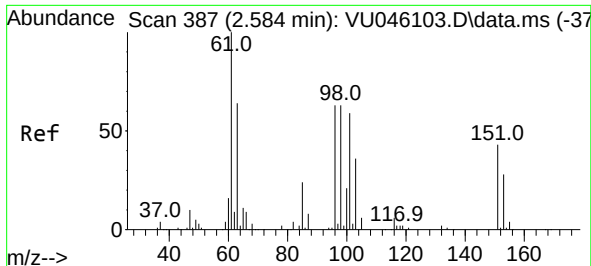
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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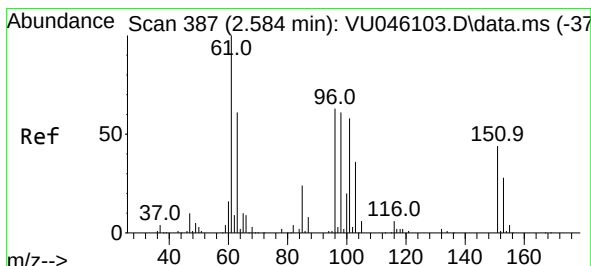
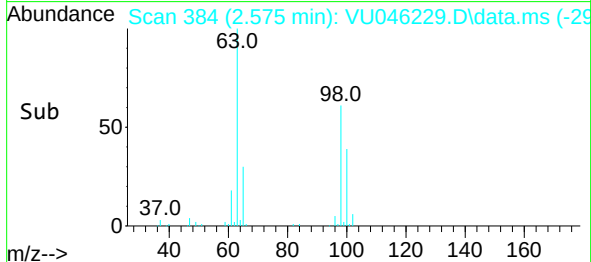
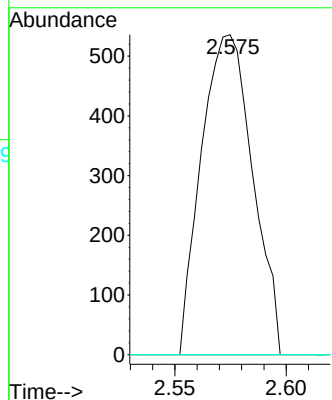
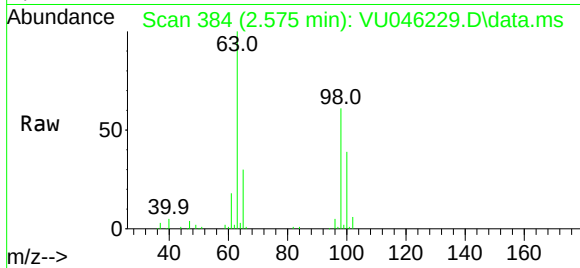




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.614 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.013 min
Lab File: VU046229.D
Acq: 09 Dec 2021 18:50

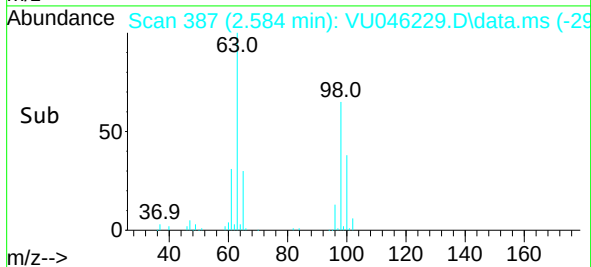
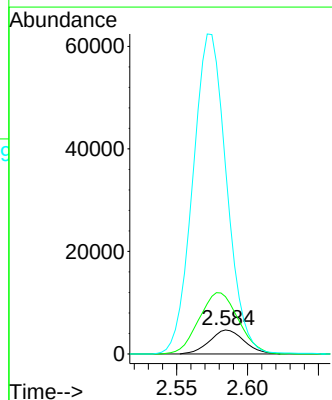
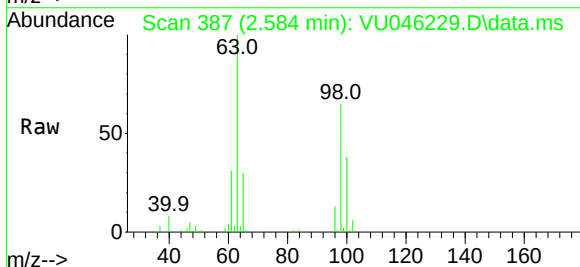
Instrument :
MSVOA_U
ClientSampleId :

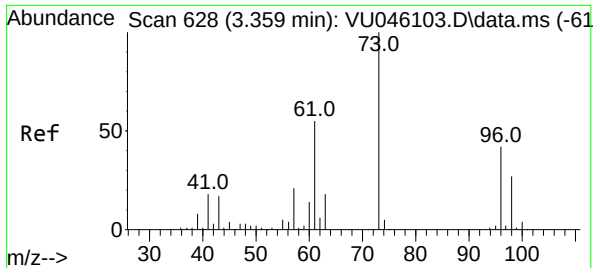
Tgt Ion:101 Resp: 861
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 5.933 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.000 min
Lab File: VU046229.D
Acq: 09 Dec 2021 18:50

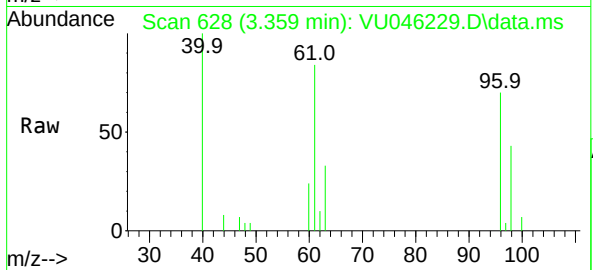
Tgt Ion: 96 Resp: 7908
Ion Ratio Lower Upper
96 100
61 238.6 118.6 220.2#
63 781.0 93.0 172.8#



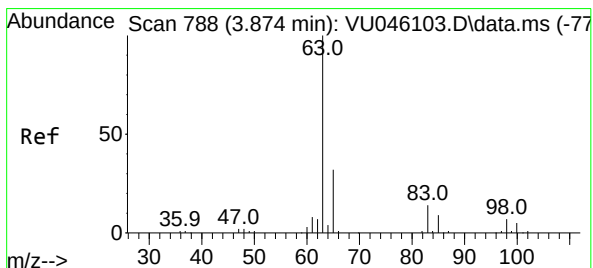
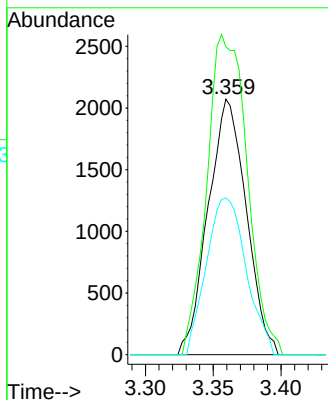
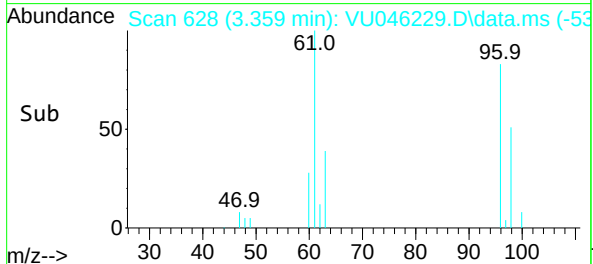


#17
trans-1,2-Dichloroethene
Concen: 2.873 ug/L
RT: 3.359 min Scan# 617
Delta R.T. 0.000 min
Lab File: VU046229.D
Acq: 09 Dec 2021 18:50

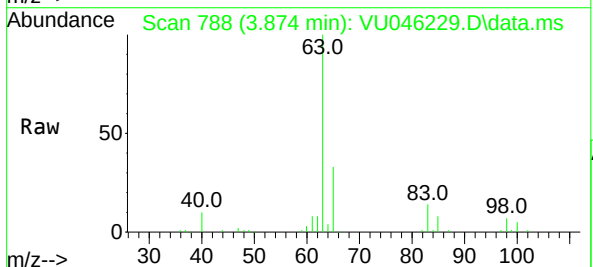
Instrument :
MSVOA_U
ClientSampleId :



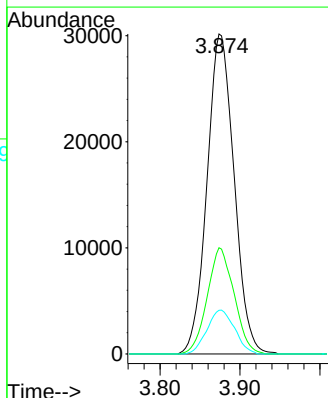
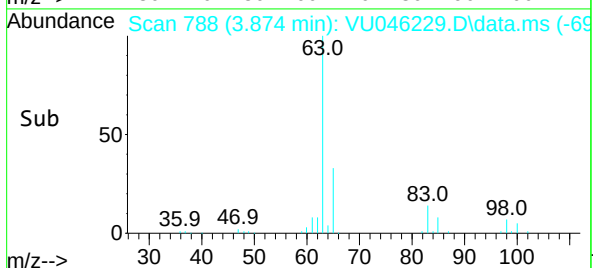
Tgt Ion:	96	Resp:	4052
Ion	Ratio	Lower	Upper
96	100		
61	120.5	94.6	175.6
98	61.3	44.0	81.8

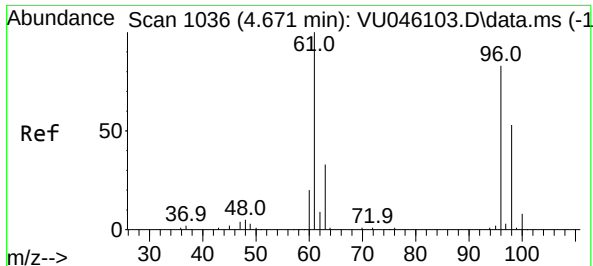


#19
1,1-Dichloroethane
Concen: 27.661 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU046229.D
Acq: 09 Dec 2021 18:50



Tgt Ion:	63	Resp:	70939
Ion	Ratio	Lower	Upper
63	100		
65	33.2	22.8	42.4
83	13.7	9.6	17.8

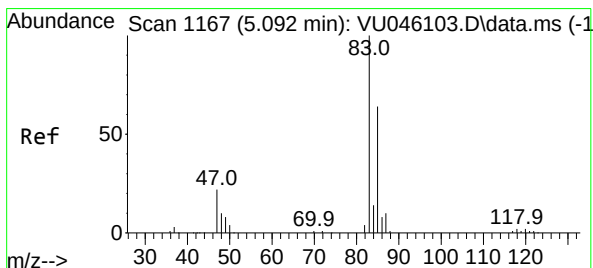
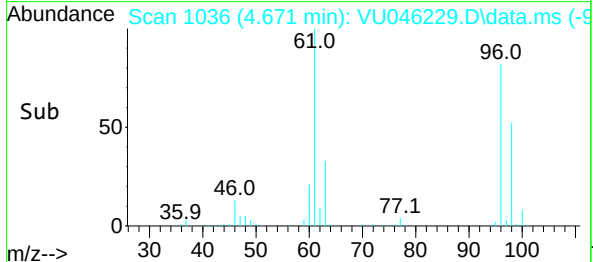
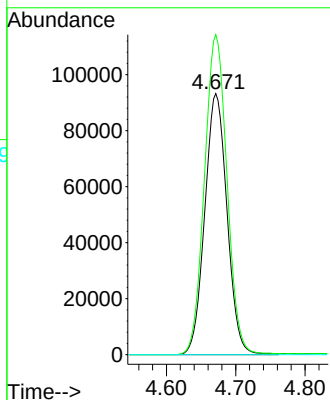
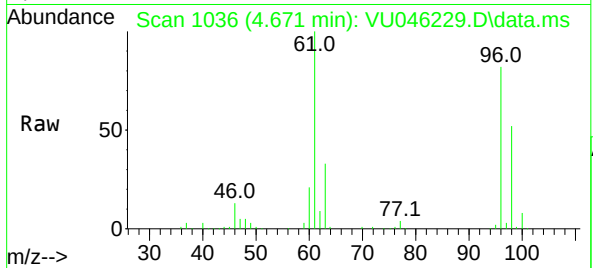




#20
cis-1,2-Dichloroethene
Concen: 136.114 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU046229.D
Acq: 09 Dec 2021 18:50

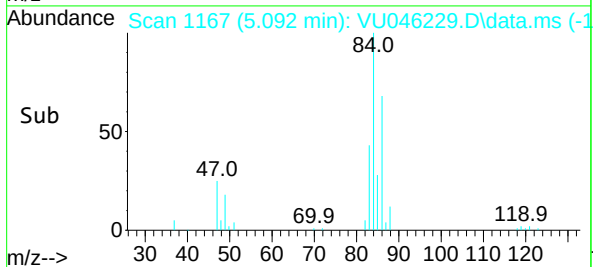
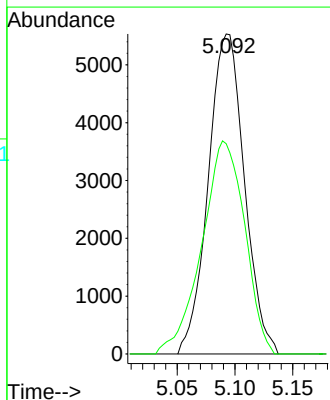
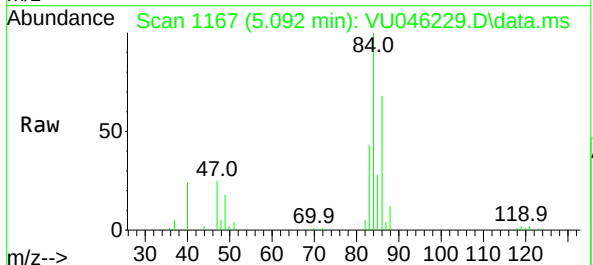
Instrument :
MSVOA_U
ClientSampleId :

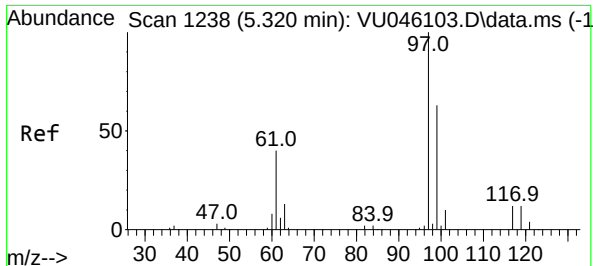
Tgt Ion: 96 Resp: 208317
Ion Ratio Lower Upper
96 100
61 122.5 86.8 161.2
68 0.0 0.0 0.0



#25
Chloroform
Concen: 4.230 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VU046229.D
Acq: 09 Dec 2021 18:50

Tgt Ion: 83 Resp: 12054
Ion Ratio Lower Upper
83 100
85 65.7 45.8 85.2





#30

1,1,1-Trichloroethane

Concen: 90.078 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046229.D

Acq: 09 Dec 2021 18:50

Instrument :

MSVOA_U

ClientSampleId :

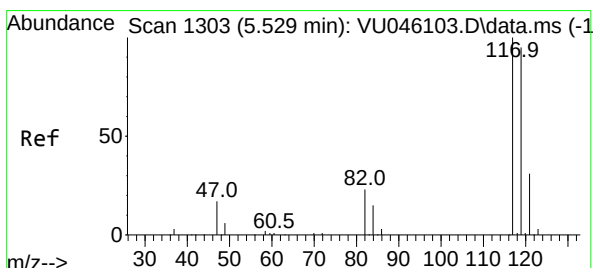
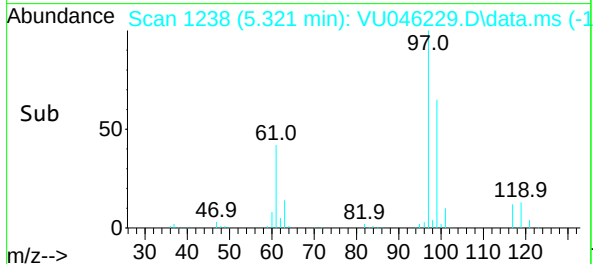
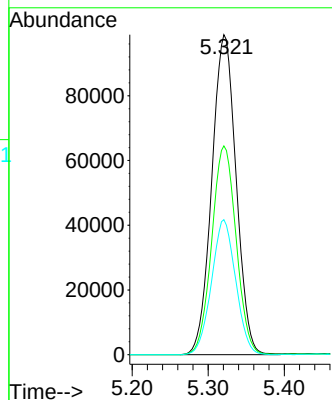
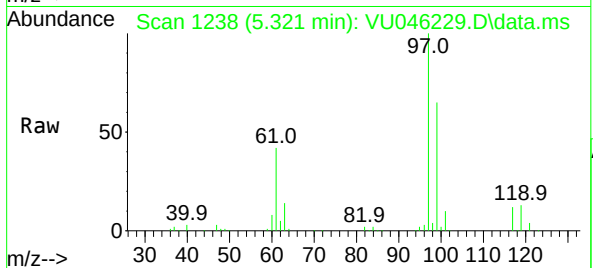
Tgt Ion: 97 Resp: 220032

Ion Ratio Lower Upper

97 100

99 65.5 51.8 77.6

61 41.9 34.4 51.6



#31

Carbon tetrachloride

Concen: 13.617 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.209 min

Lab File: VU046229.D

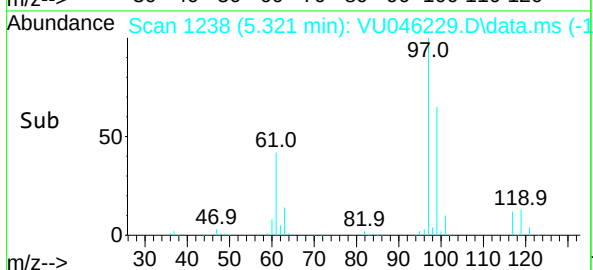
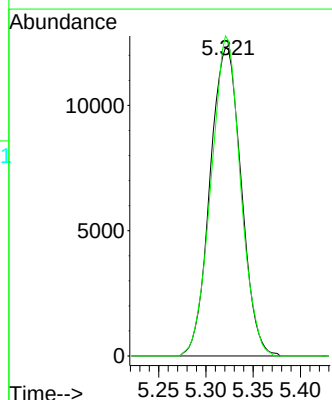
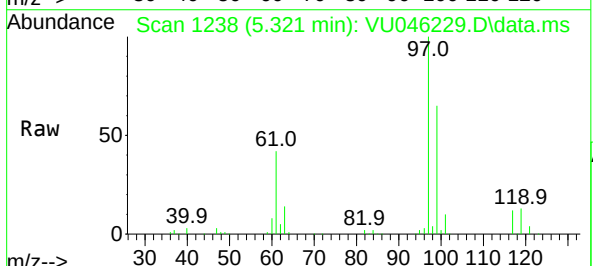
Acq: 09 Dec 2021 18:50

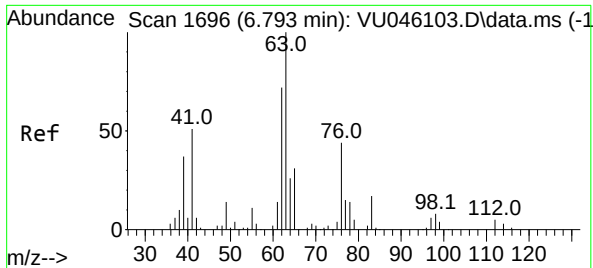
Tgt Ion: 117 Resp: 28238

Ion Ratio Lower Upper

117 100

119 98.0 75.7 113.5





#37

1,2-Dichloropropane

Concen: 5.485 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046229.D

Acq: 09 Dec 2021 18:50

Instrument :

MSVOA_U

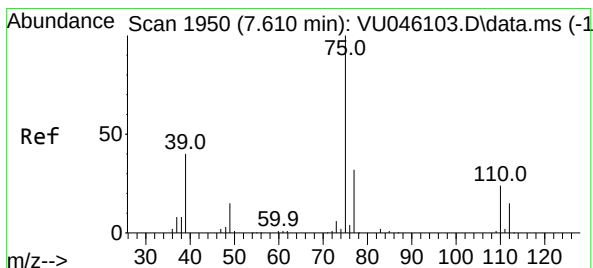
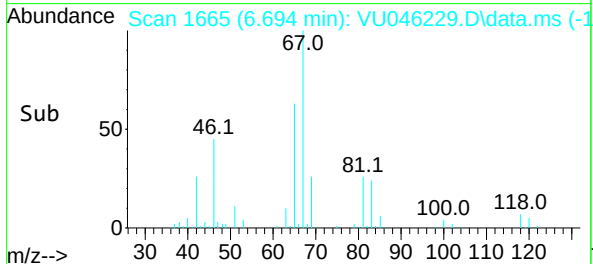
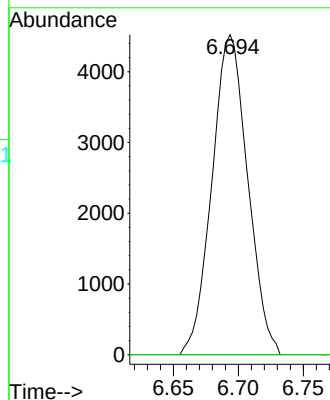
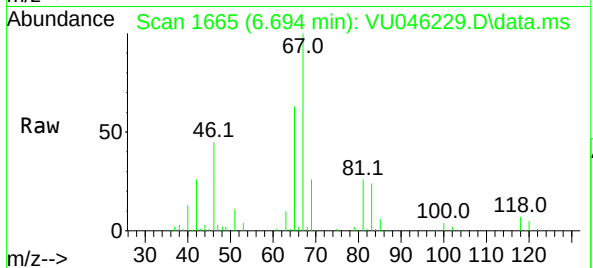
ClientSampleId :

Tgt Ion: 63 Resp: 8654

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 1.067 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU046229.D

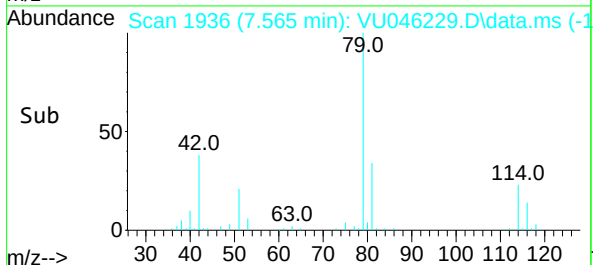
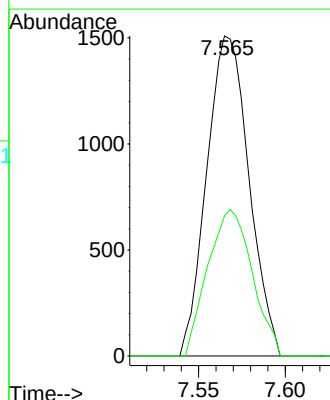
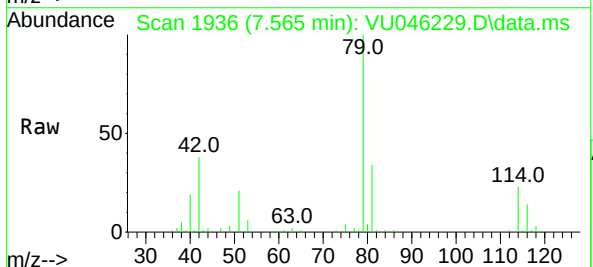
Acq: 09 Dec 2021 18:50

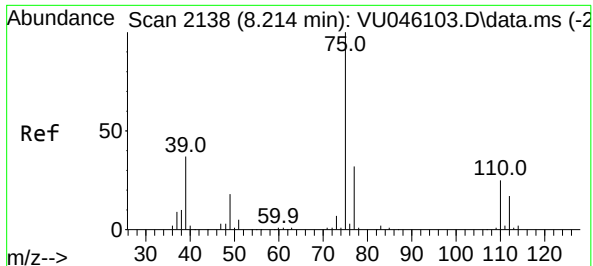
Tgt Ion: 75 Resp: 2561

Ion Ratio Lower Upper

75 100

77 43.7 21.8 40.6#

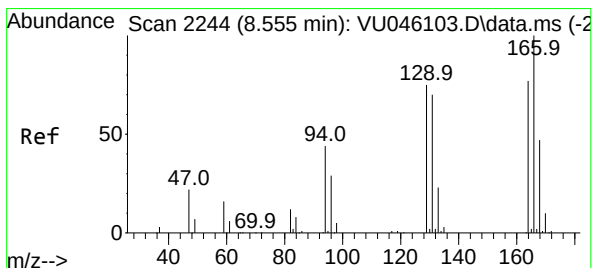
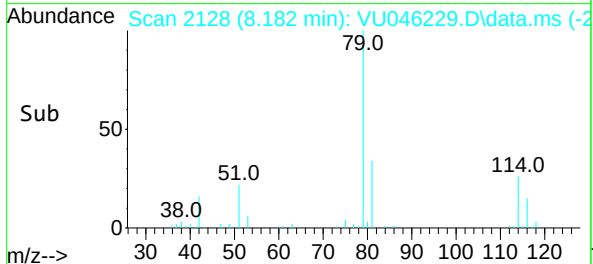
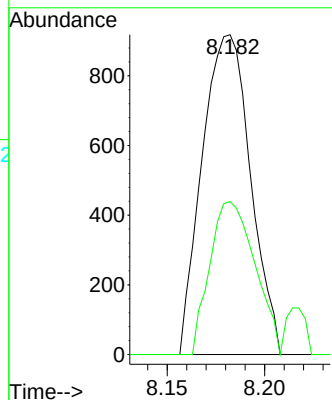
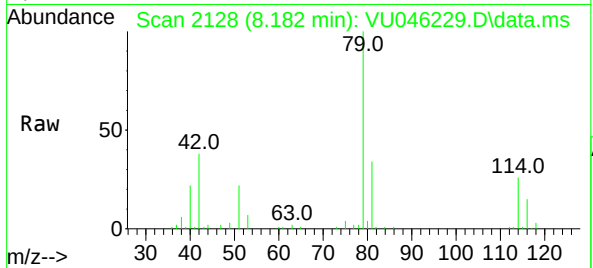




#44
trans-1,3-Dichloropropene
Concen: 0.672 ug/L
RT: 8.182 min Scan# 2138
Delta R.T. -0.032 min
Lab File: VU046229.D
Acq: 09 Dec 2021 18:50

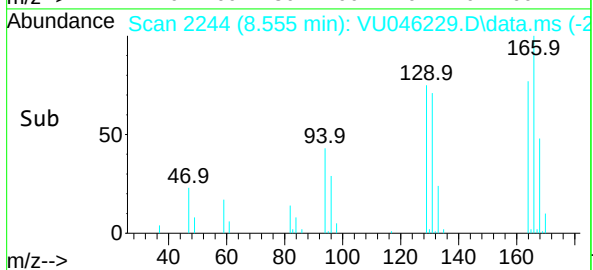
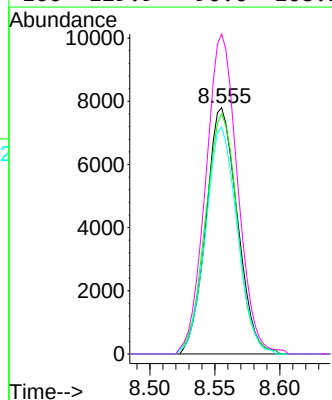
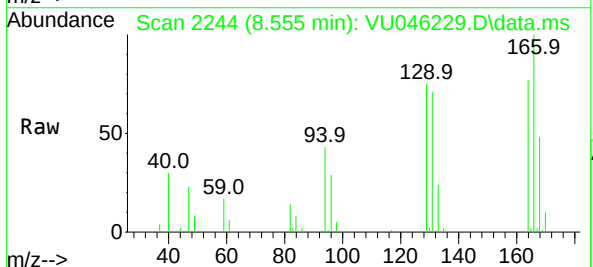
Instrument :
MSVOA_U
ClientSampleId :

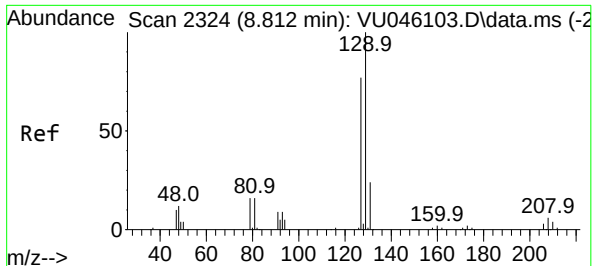
Tgt Ion: 75 Resp: 1585
Ion Ratio Lower Upper
75 100
77 47.8 21.7 40.3#



#46
Tetrachloroethene
Concen: 11.229 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046229.D
Acq: 09 Dec 2021 18:50

Tgt Ion: 164 Resp: 13093
Ion Ratio Lower Upper
164 100
129 97.5 71.1 132.1
131 92.2 67.8 126.0
166 129.9 90.6 168.2





#49

Dibromochloromethane

Concen: 7.813 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU046229.D

Acq: 09 Dec 2021 18:50

Instrument :

MSVOA_U

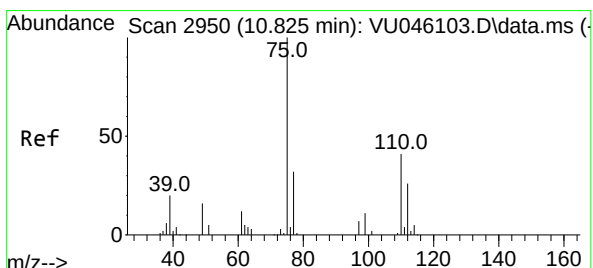
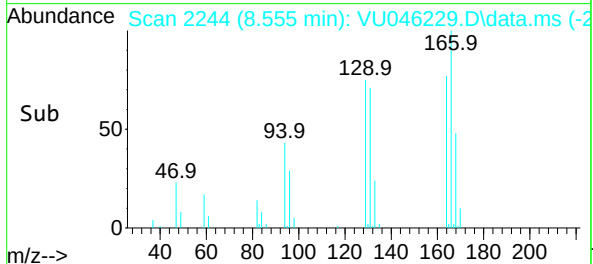
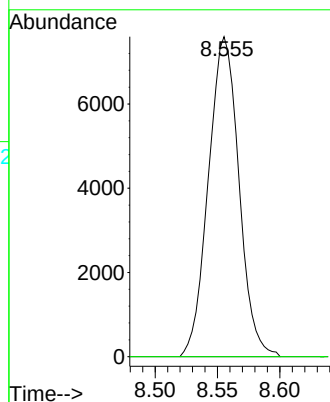
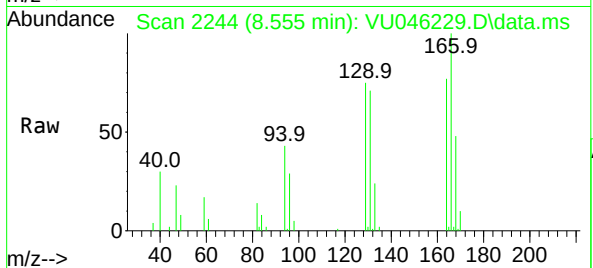
ClientSampleId :

Tgt Ion:129 Resp: 12986

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



#60

1,2,3-Trichloropropane

Concen: 5.537 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU046229.D

Acq: 09 Dec 2021 18:50

Tgt Ion: 75 Resp: 12607

Ion Ratio Lower Upper

75 100

77 33.0 26.4 39.6

110 1.9 32.4 48.6#

