

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121921\
 Data File : VU046498.D
 Acq On : 19 Dec 2021 16:31
 Operator : SY/MD
 Sample : M5103-02DL 40X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 20 00:28:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 20 00:25:10 2021
 Response via : Initial Calibration

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

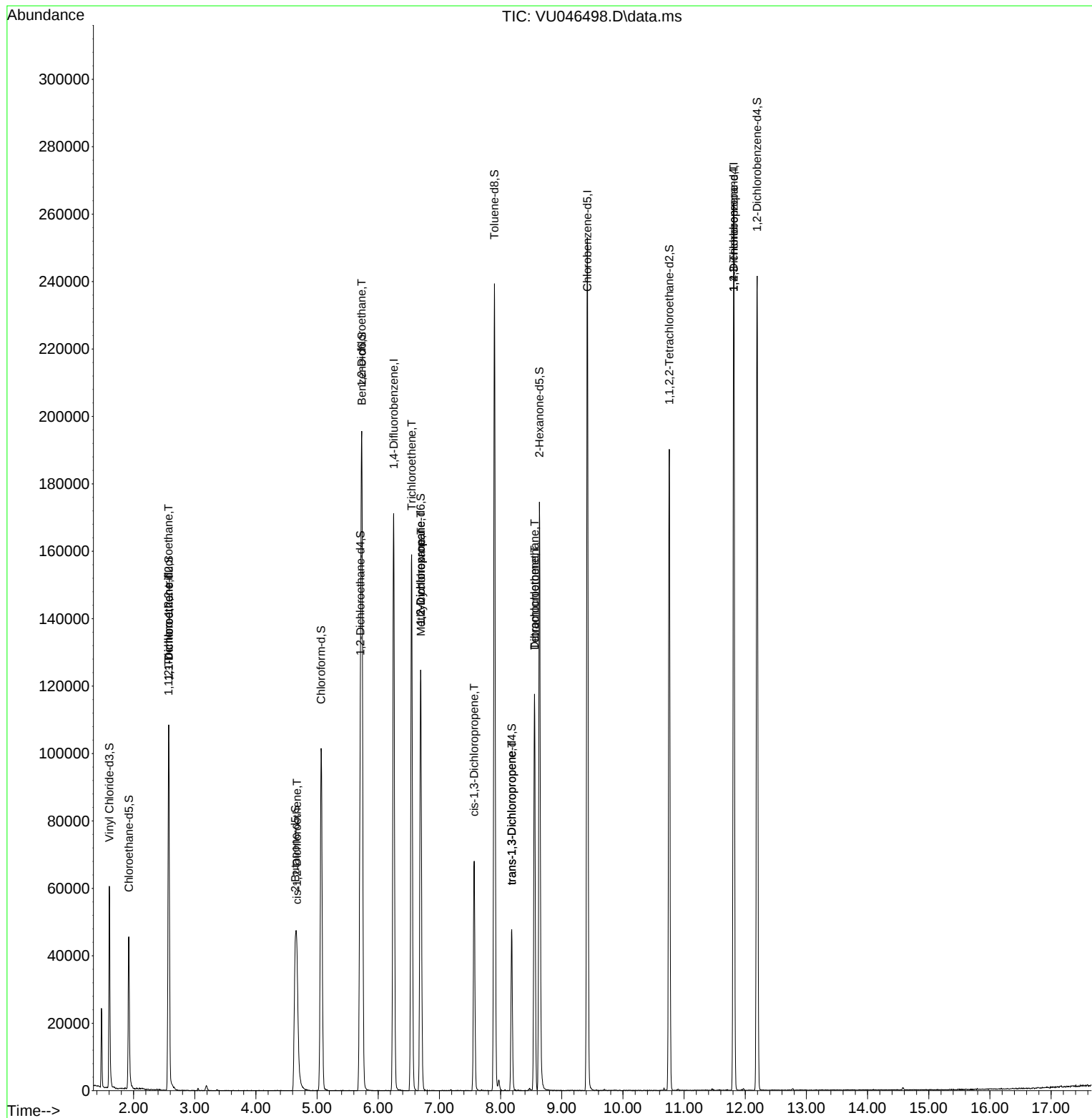
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	137482	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	140249	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	68337	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	46191	40.787	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	81.580%		
7) Chloroethane-d5	1.922	69	37542	43.175	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.360%		
11) 1,1-Dichloroethene-d2	2.575	63	65040	31.991	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	63.980%		
21) 2-Butanone-d5	4.645	46	90111	100.091	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	100.090%		
24) Chloroform-d	5.067	84	95049	50.258	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.520%		
26) 1,2-Dichloroethane-d4	5.706	65	64409	50.747	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.500%		
32) Benzene-d6	5.732	84	183306	45.601	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.200%		
36) 1,2-Dichloropropane-d6	6.693	67	58384	46.865	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.720%		
41) Toluene-d8	7.899	98	157308	42.980	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.960%		
43) trans-1,3-Dichloroprop...	8.182	79	27426	45.604	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.200%		
47) 2-Hexanone-d5	8.636	63	64333	108.913	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	108.910%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	90370	47.832	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.660%		
66) 1,2-Dichlorobenzene-d4	12.195	152	62626	47.586	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.180%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	566	0.566	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	508	0.534	ug/L #	1
20) cis-1,2-Dichloroethene	4.671	96	9200	8.428	ug/L	86
27) 1,2-Dichloroethane	5.729	62	1013	0.672	ug/L #	73
34) Trichloroethene	6.546	95	54279	48.539	ug/L	98
35) Methylcyclohexane	6.697	83	13944	8.042	ug/L #	20
37) 1,2-Dichloropropane	6.693	63	6766	6.085	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1902	1.124	ug/L #	82
44) trans-1,3-Dichloropropene	8.182	75	1162	0.699	ug/L #	72
46) Tetrachloroethene	8.555	164	24990	30.409	ug/L	99
49) Dibromochloromethane	8.555	129	24724	21.105	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	7811	5.214	ug/L #	66

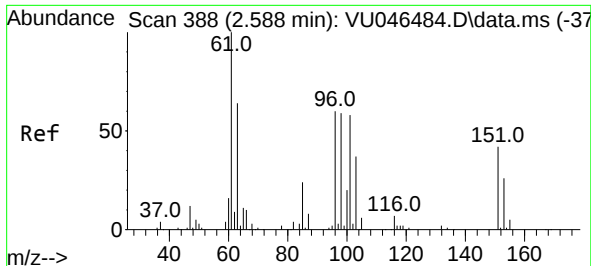
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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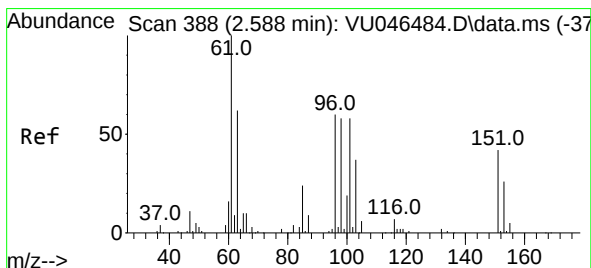
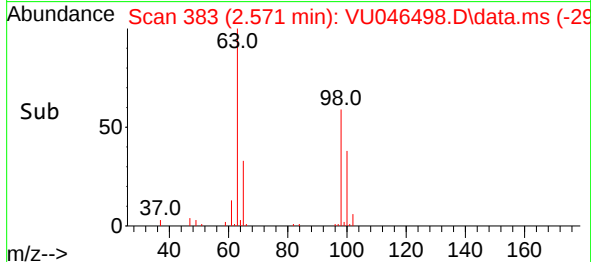
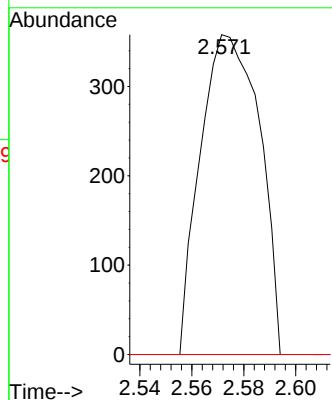
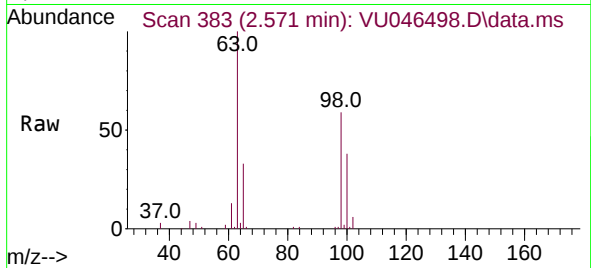




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.566 ug/L
 RT: 2.571 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU046498.D
 Acq: 19 Dec 2021 16:31

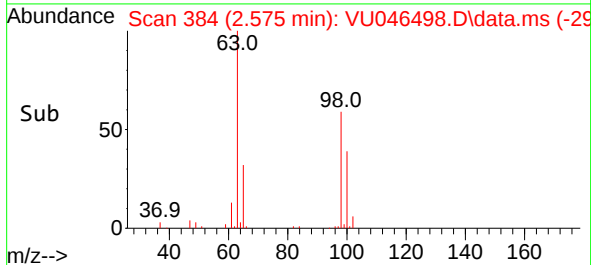
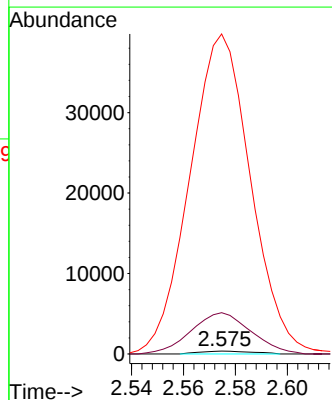
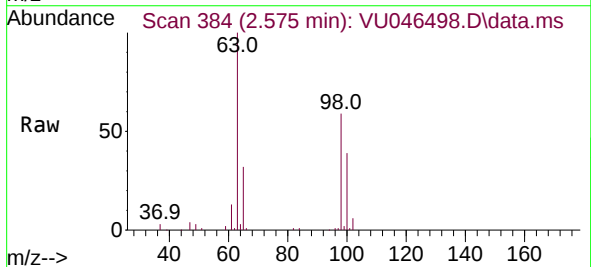
Instrument :
 MSVOA_U
 ClientSampleId :

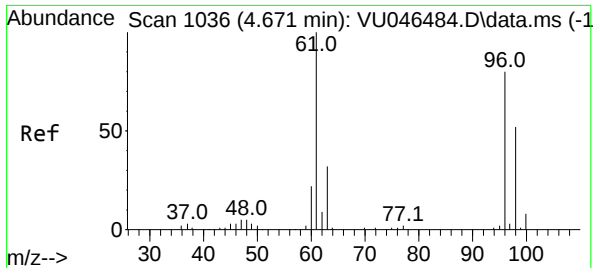
Tgt Ion:101 Resp: 566
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 0.534 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU046498.D
 Acq: 19 Dec 2021 16:31

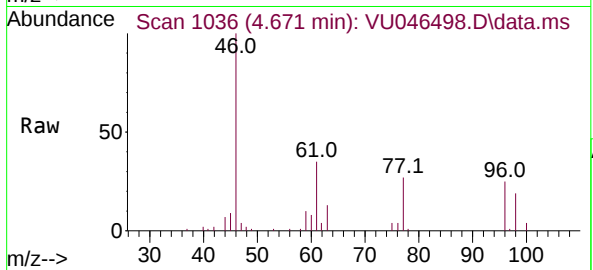
Tgt Ion: 96 Resp: 508
 Ion Ratio Lower Upper
 96 100
 61 1432.7 118.6 220.2#
 63 11110.6 93.0 172.8#



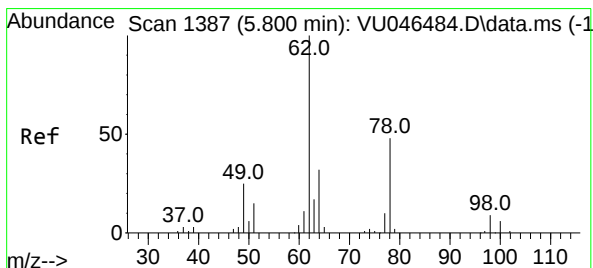
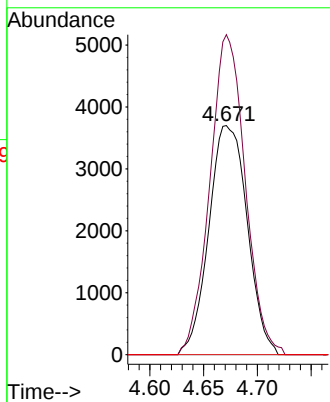
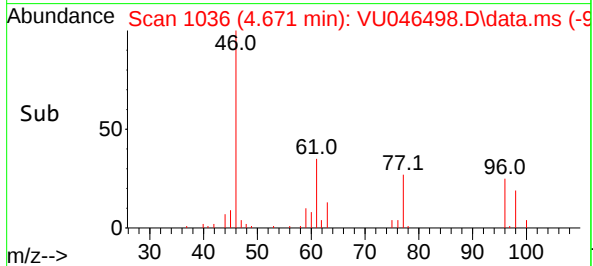


#20
 cis-1,2-Dichloroethene
 Concen: 8.428 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VU046498.D
 Acq: 19 Dec 2021 16:31

Instrument :
 MSVOA_U
 ClientSampleId :

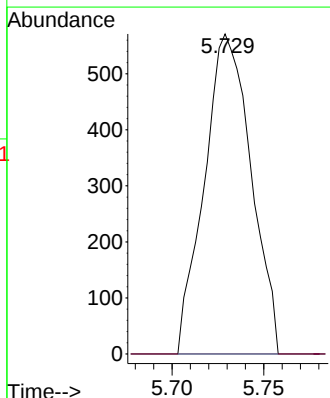
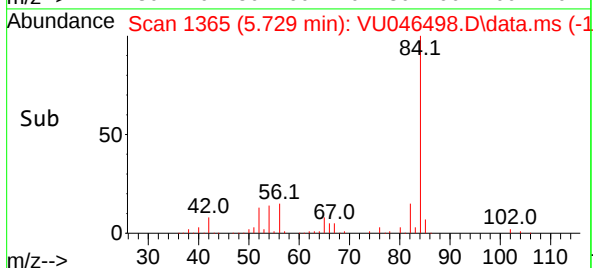
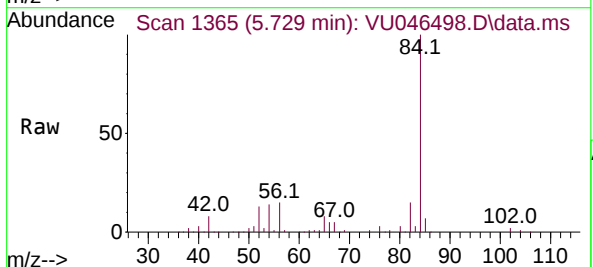


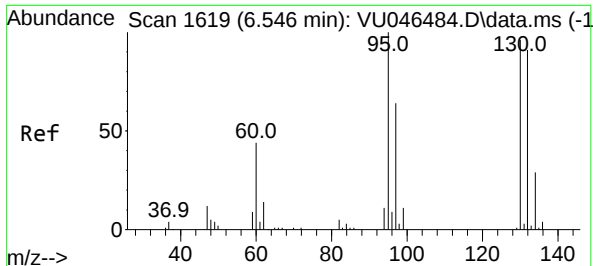
Tgt Ion: 96 Resp: 9200
 Ion Ratio Lower Upper
 96 100
 61 139.7 86.8 161.2
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.672 ug/L
 RT: 5.729 min Scan# 1365
 Delta R.T. -0.071 min
 Lab File: VU046498.D
 Acq: 19 Dec 2021 16:31

Tgt Ion: 62 Resp: 1013
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.9 11.9#

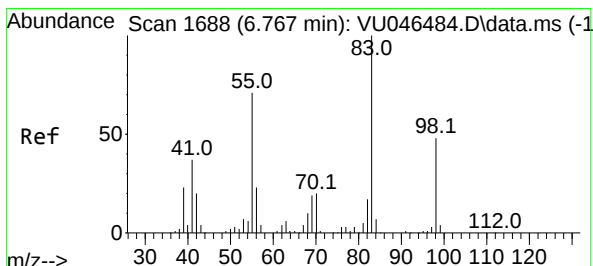
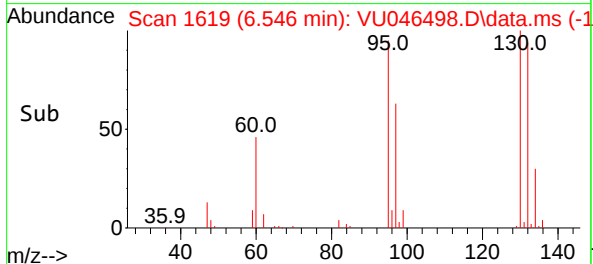
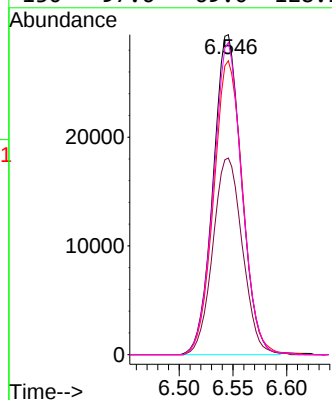
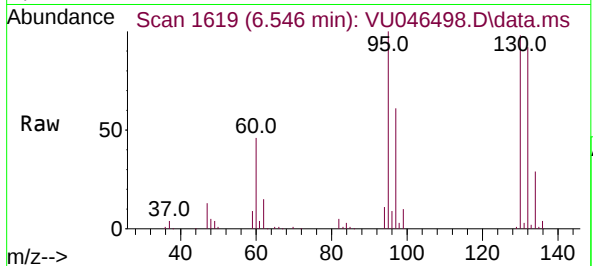




#34
Trichloroethene
Concen: 48.539 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046498.D
Acq: 19 Dec 2021 16:31

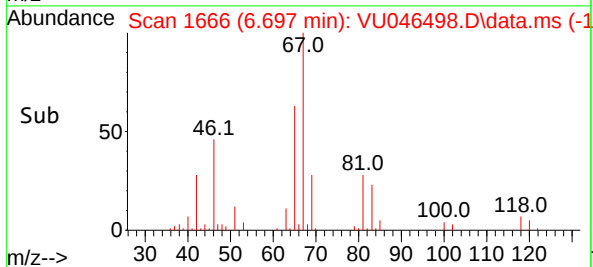
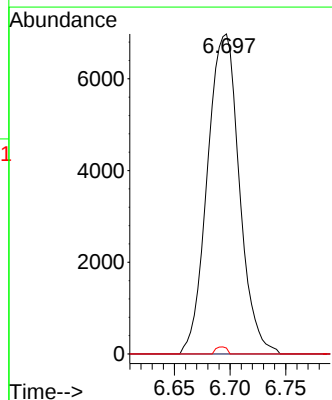
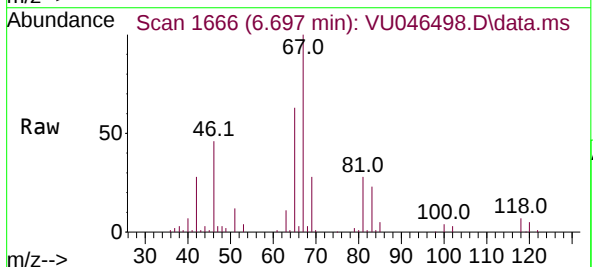
Instrument :
MSVOA_U
ClientSampleId :

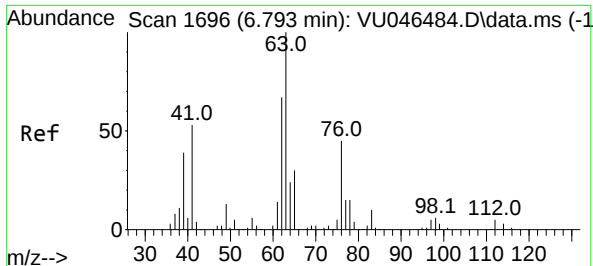
Tgt Ion: 95 Resp: 54279
Ion Ratio Lower Upper
95 100
97 61.4 44.1 81.9
132 91.9 66.8 124.0
130 97.6 69.0 128.1



#35
Methylcyclohexane
Concen: 8.042 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.071 min
Lab File: VU046498.D
Acq: 19 Dec 2021 16:31

Tgt Ion: 83 Resp: 13944
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 0.8 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 6.085 ug/L

RT: 6.693 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046498.D

Acq: 19 Dec 2021 16:31

Instrument :

MSVOA_U

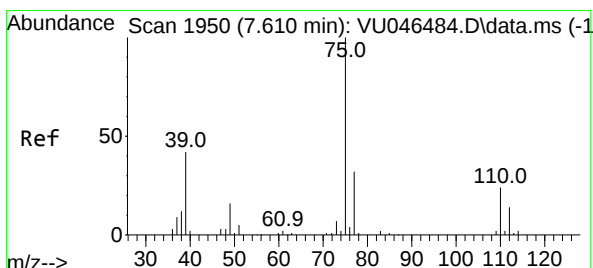
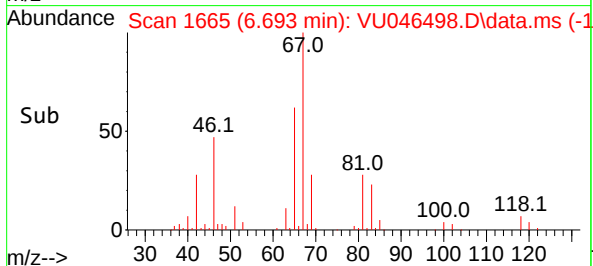
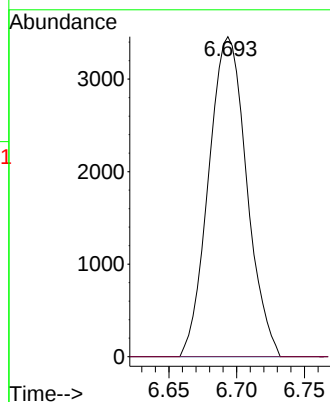
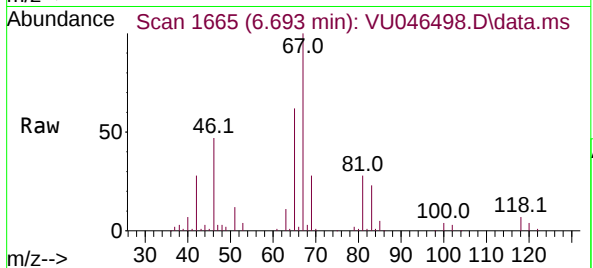
ClientSampleId :

Tgt Ion: 63 Resp: 6766

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 1.124 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046498.D

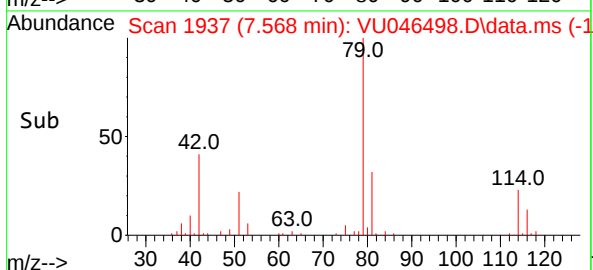
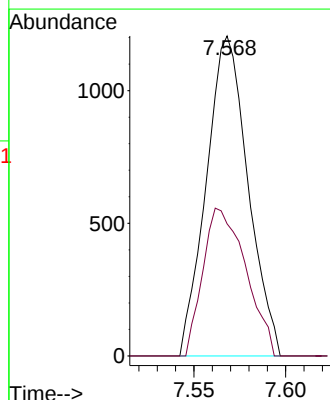
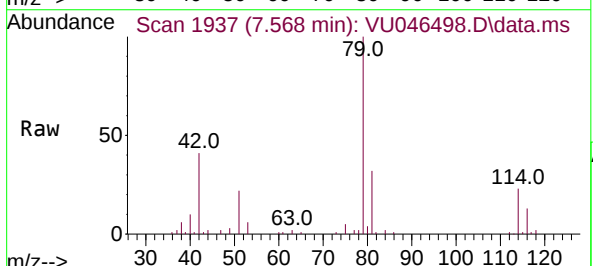
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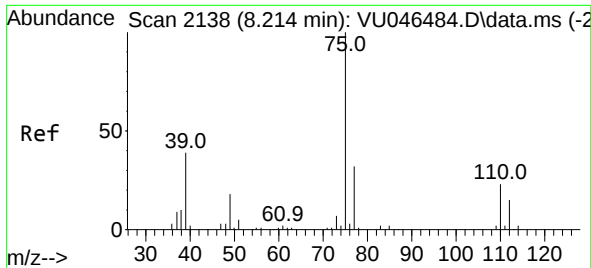
Tgt Ion: 75 Resp: 1902

Ion Ratio Lower Upper

75 100

77 41.3 21.8 40.6#

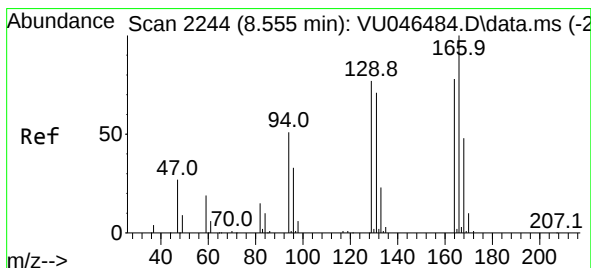
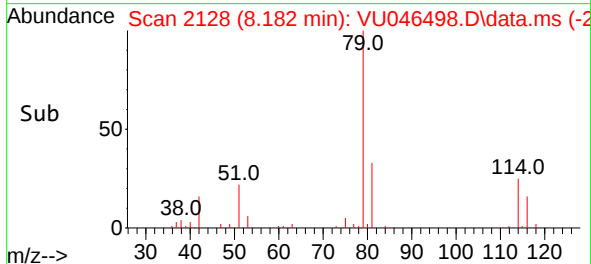
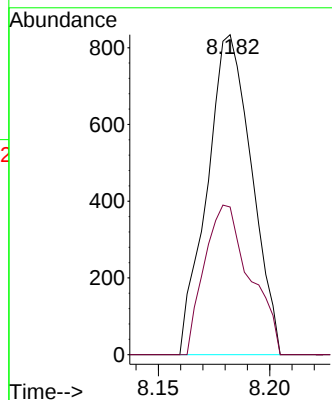
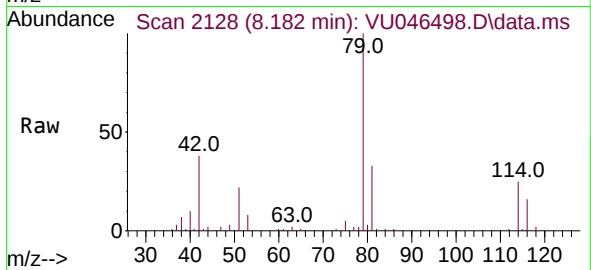




#44
trans-1,3-Dichloropropene
Concen: 0.699 ug/L
RT: 8.182 min Scan# 2138
Delta R.T. -0.032 min
Lab File: VU046498.D
Acq: 19 Dec 2021 16:31

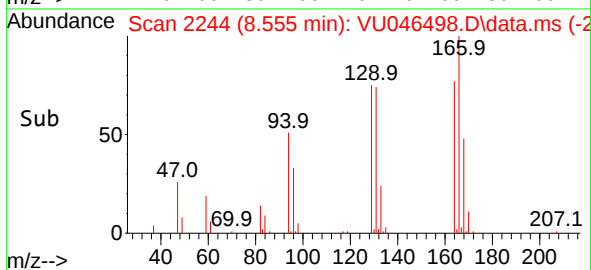
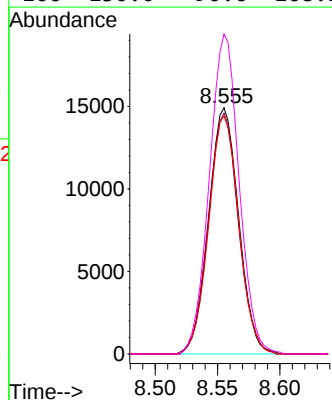
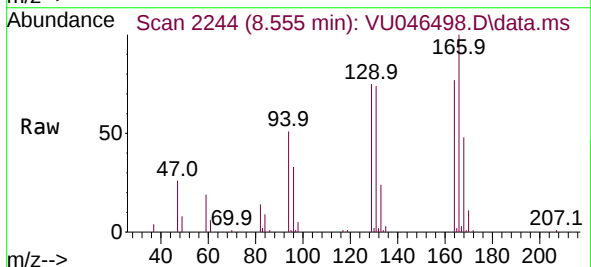
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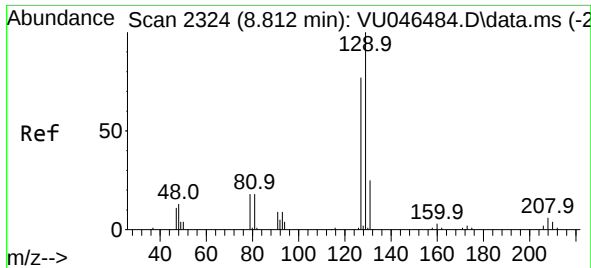
Tgt Ion: 75 Resp: 1162
Ion Ratio Lower Upper
75 100
77 46.2 21.7 40.3#



#46
Tetrachloroethene
Concen: 30.409 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046498.D
Acq: 19 Dec 2021 16:31

Tgt Ion: 164 Resp: 24990
Ion Ratio Lower Upper
164 100
129 97.7 71.1 132.1
131 96.6 67.8 126.0
166 130.0 90.6 168.2

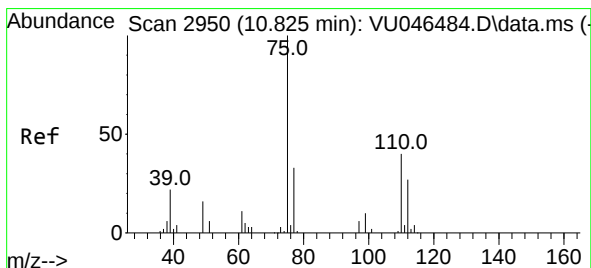
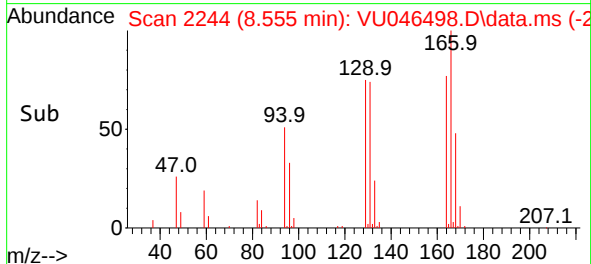
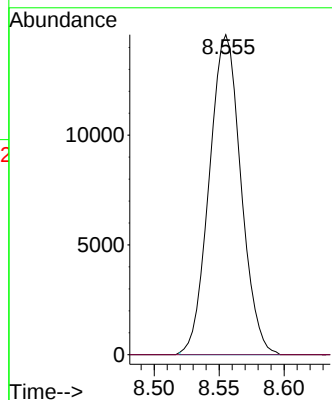
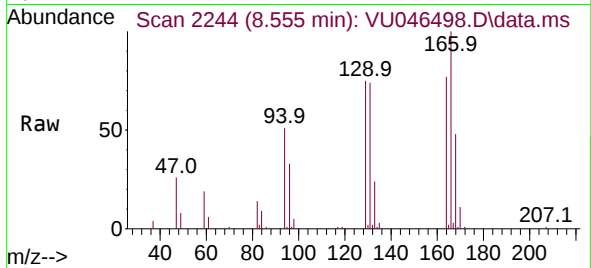




#49
Dibromochloromethane
Concen: 21.105 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU046498.D
Acq: 19 Dec 2021 16:31

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 24724
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#



#60
1,2,3-Trichloropropane
Concen: 5.214 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046498.D
Acq: 19 Dec 2021 16:31

Tgt Ion: 75 Resp: 7811
Ion Ratio Lower Upper
75 100
77 32.6 26.4 39.6
110 2.0 32.4 48.6#

