

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
 Data File : VU046203.D
 Acq On : 09 Dec 2021 01:56
 Operator : SY/MD
 Sample : M4983-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 09 04:37:49 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)

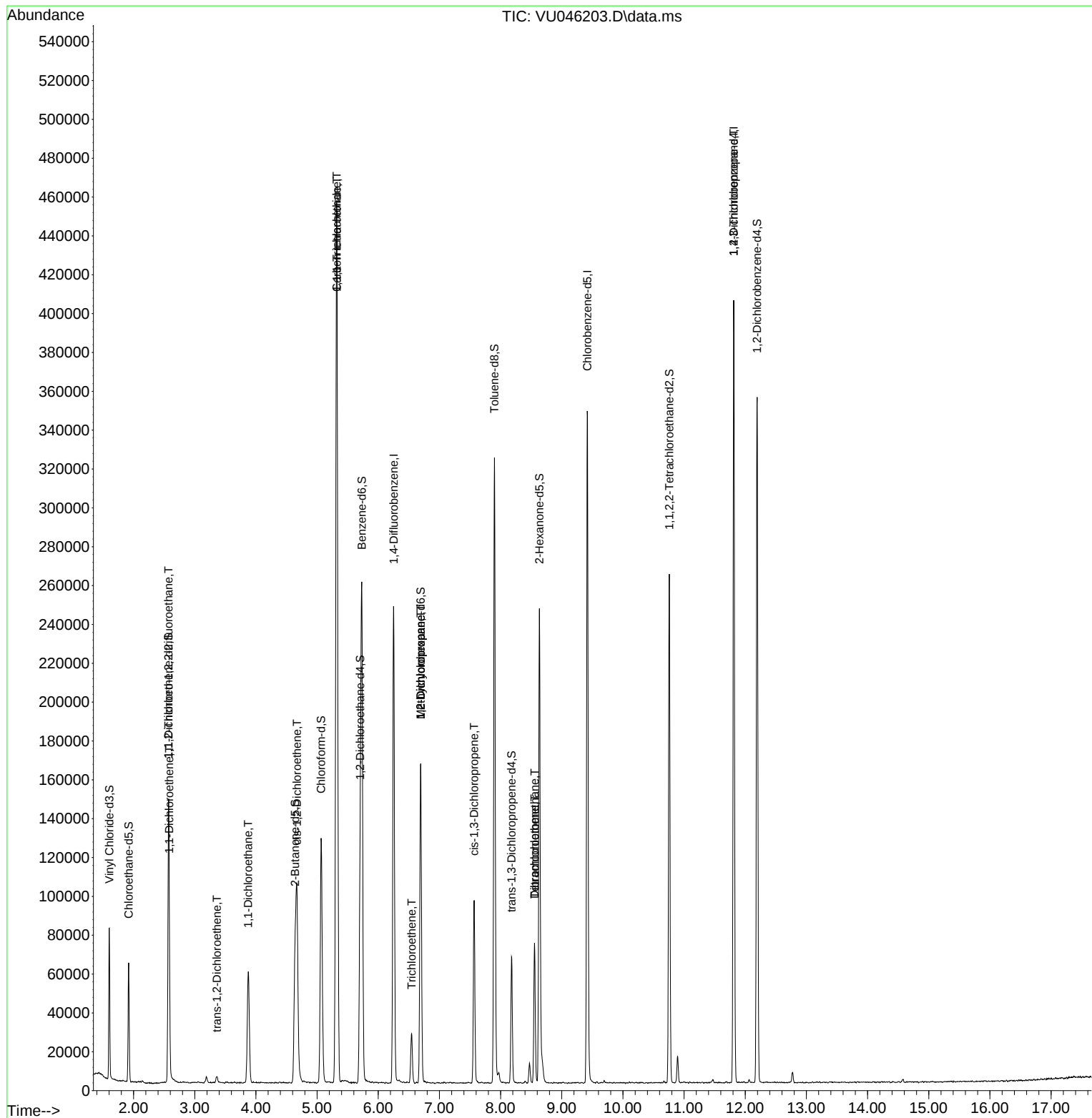
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	207588	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	203738	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	107329	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	54981	32.153	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	64.300%		
7) Chloroethane-d5	1.919	69	45057	34.318	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	68.640%#		
11) 1,1-Dichloroethene-d2	2.572	63	84022	27.371	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	54.740%#		
21) 2-Butanone-d5	4.642	46	131316	96.601	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.600%		
24) Chloroform-d	5.067	84	117378	41.104	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.200%		
26) 1,2-Dichloroethane-d4	5.703	65	80676	42.097	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.200%		
32) Benzene-d6	5.732	84	246892	42.280	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.560%		
36) 1,2-Dichloropropane-d6	6.694	67	78952	43.626	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	87.260%		
41) Toluene-d8	7.899	98	221628	41.684	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.360%		
43) trans-1,3-Dichloroprop...	8.179	79	36917	42.257	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.520%		
47) 2-Hexanone-d5	8.636	63	91600	106.751	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	106.750%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	126875	46.228	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.460%		
66) 1,2-Dichlorobenzene-d4	12.195	152	96766	46.816	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.640%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	872	0.577	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	7248	5.050	ug/L #	1
17) trans-1,2-Dichloroethene	3.362	96	1425	0.938	ug/L	97
19) 1,1-Dichloroethane	3.874	63	66178	23.962	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	37152	22.541	ug/L	95
30) 1,1,1-Trichloroethane	5.321	97	342905	137.113	ug/L	98
31) Carbon tetrachloride	5.321	117	43441	20.461	ug/L	97
34) Trichloroethene	6.546	95	7920	4.875	ug/L	95
35) Methylcyclohexane	6.694	83	18592	7.381	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	8253	5.109	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	2201	0.896	ug/L #	64
46) Tetrachloroethene	8.555	164	16391	13.730	ug/L	95
49) Dibromochloromethane	8.555	129	15843	9.310	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	12562	5.339	ug/L #	64

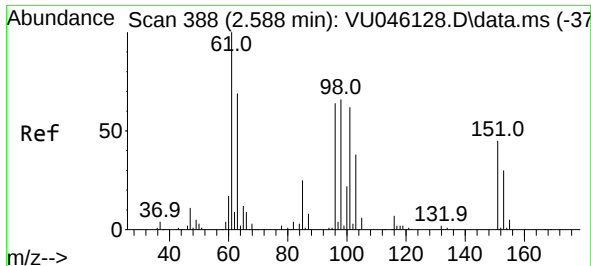
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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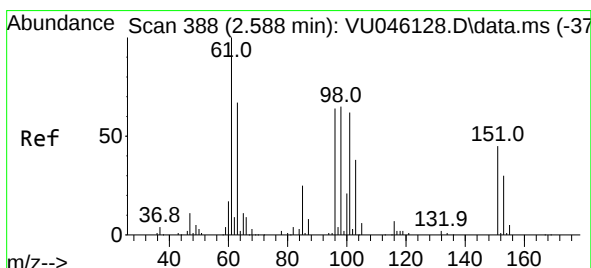
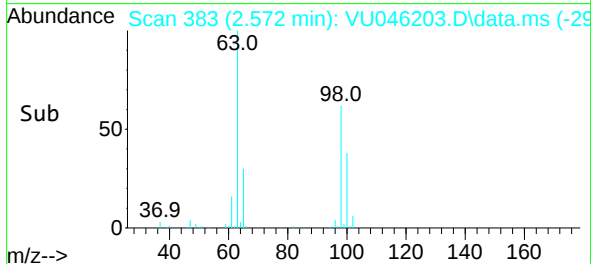
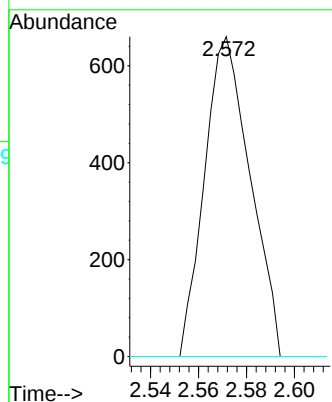
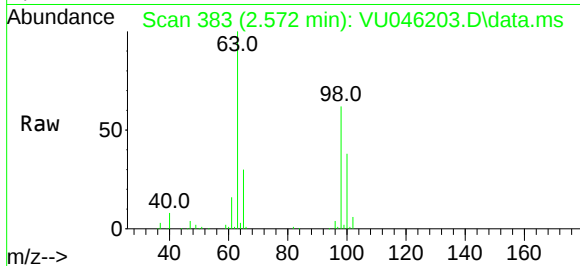




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.577 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU046203.D
 Acq: 09 Dec 2021 01:56

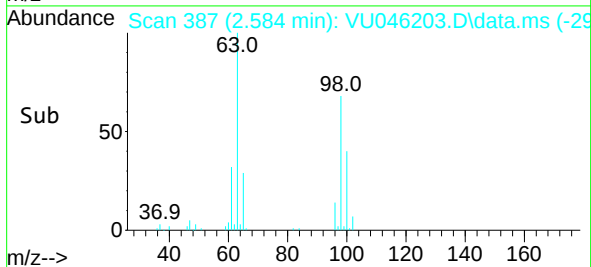
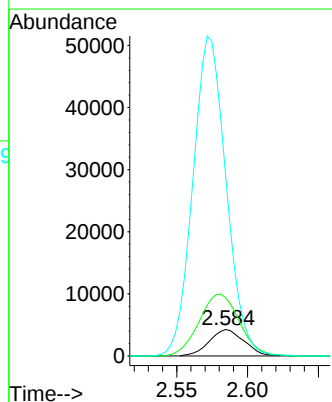
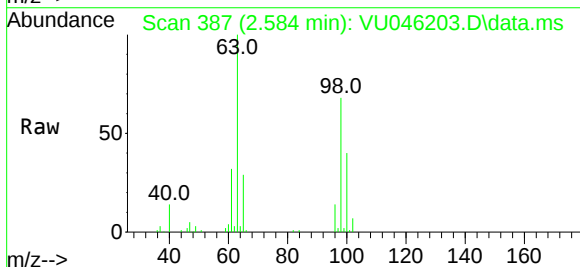
Instrument :
 MSVOA_U
 ClientSampleId :

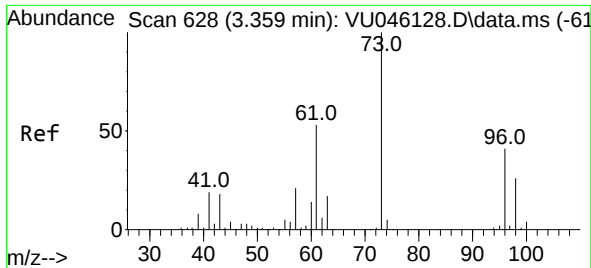
Tgt Ion:101 Resp: 872
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 5.050 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.000 min
 Lab File: VU046203.D
 Acq: 09 Dec 2021 01:56

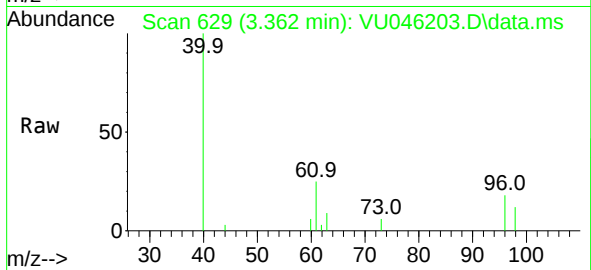
Tgt Ion: 96 Resp: 7248
 Ion Ratio Lower Upper
 96 100
 61 221.6 118.6 220.2#
 63 689.7 93.0 172.8#



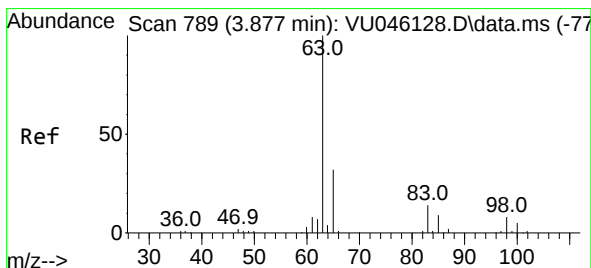
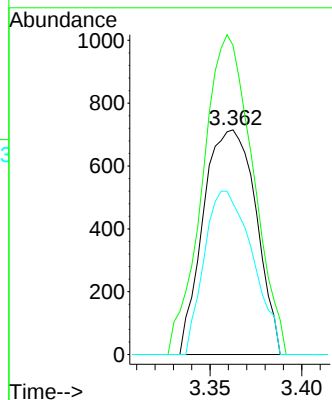
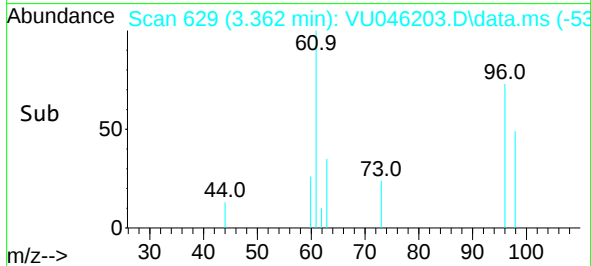


#17
trans-1,2-Dichloroethene
Concen: 0.938 ug/L
RT: 3.362 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU046203.D
Acq: 09 Dec 2021 01:56

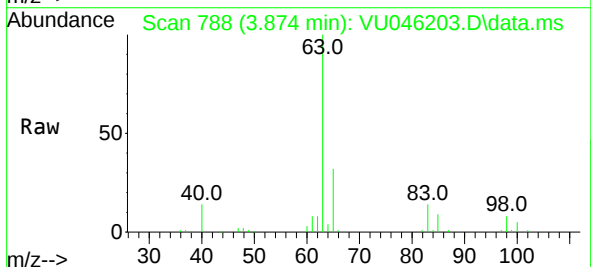
Instrument :
MSVOA_U
ClientSampleId :



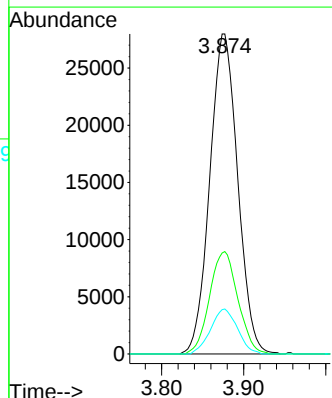
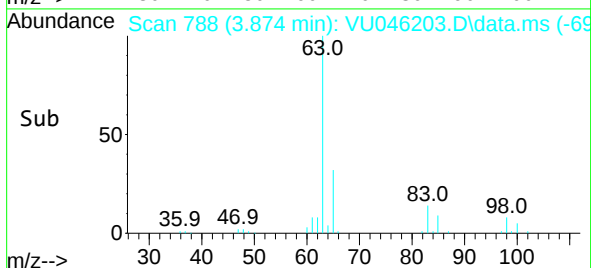
Tgt Ion: 96 Resp: 1425
Ion Ratio Lower Upper
96 100
61 137.6 94.6 175.6
98 67.3 44.0 81.8

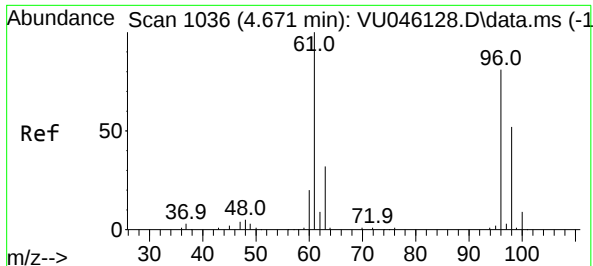


#19
1,1-Dichloroethane
Concen: 23.962 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU046203.D
Acq: 09 Dec 2021 01:56



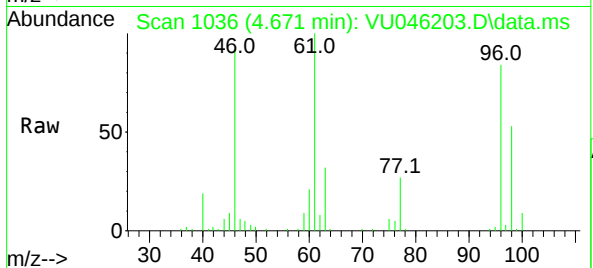
Tgt Ion: 63 Resp: 66178
Ion Ratio Lower Upper
63 100
65 31.5 22.8 42.4
83 13.9 9.6 17.8



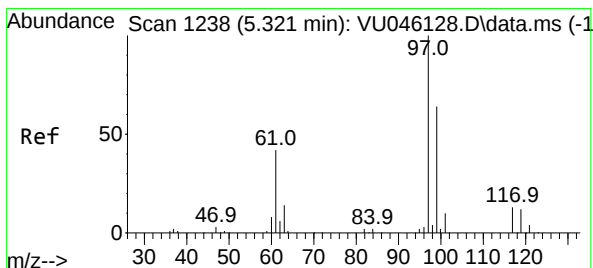
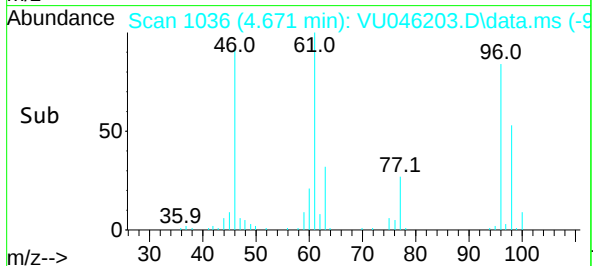
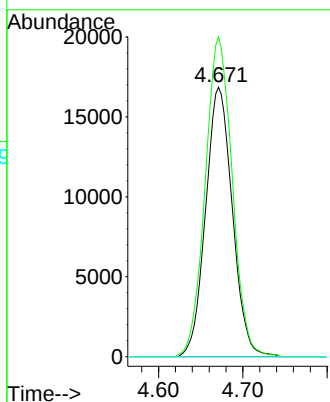


#20
 cis-1,2-Dichloroethene
 Concen: 22.541 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VU046203.D
 Acq: 09 Dec 2021 01:56

Instrument :
 MSVOA_U
 ClientSampleId :

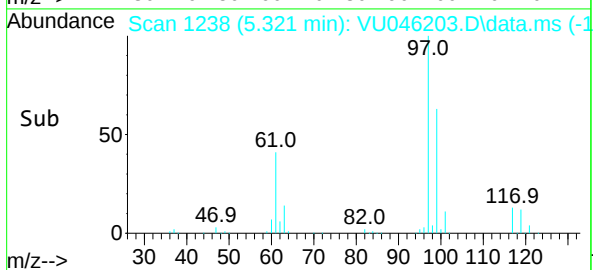
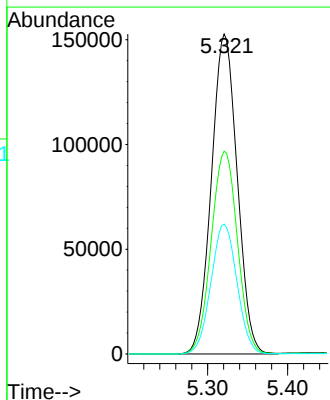
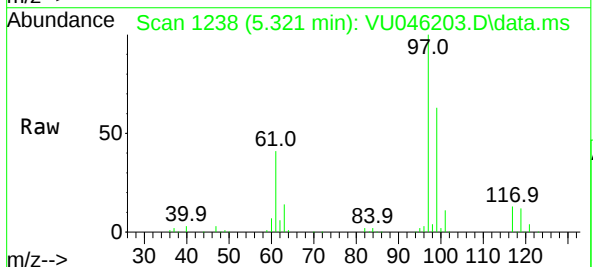


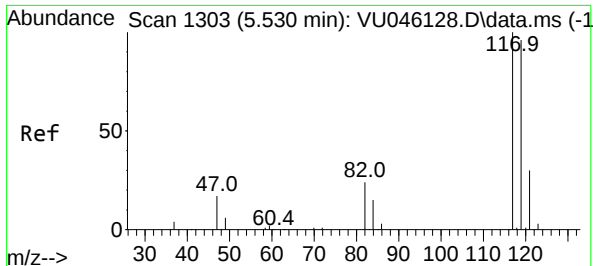
Tgt Ion: 96 Resp: 37152
 Ion Ratio Lower Upper
 96 100
 61 118.7 86.8 161.2
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 137.113 ug/L
 RT: 5.321 min Scan# 1238
 Delta R.T. -0.000 min
 Lab File: VU046203.D
 Acq: 09 Dec 2021 01:56

Tgt Ion: 97 Resp: 342905
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.8 77.6
 61 40.8 34.4 51.6

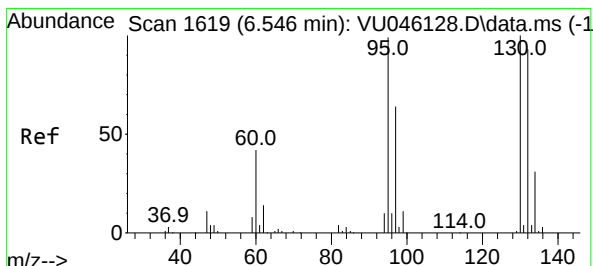
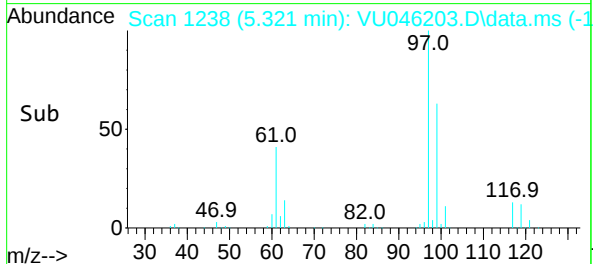
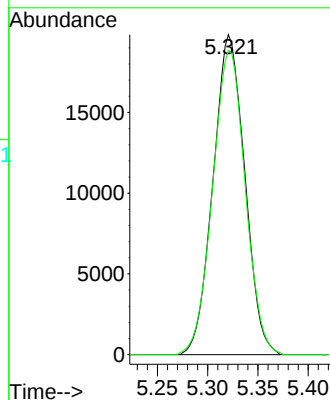
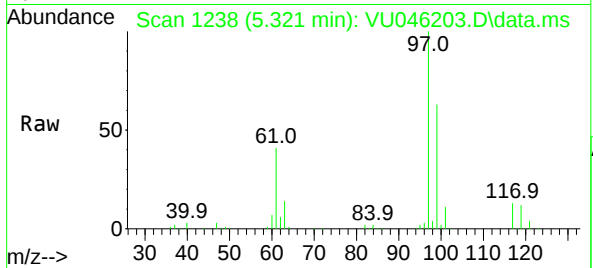




#31
Carbon tetrachloride
Concen: 20.461 ug/L
RT: 5.321 min Scan# 117
Delta R.T. -0.209 min
Lab File: VU046203.D
Acq: 09 Dec 2021 01:56

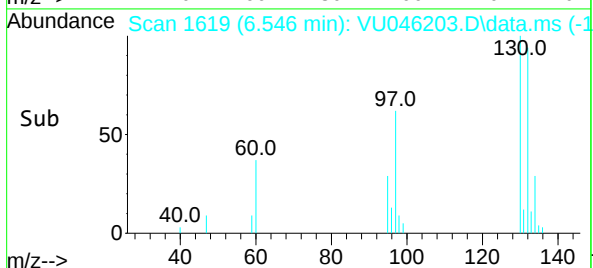
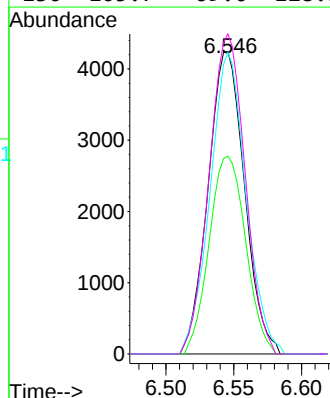
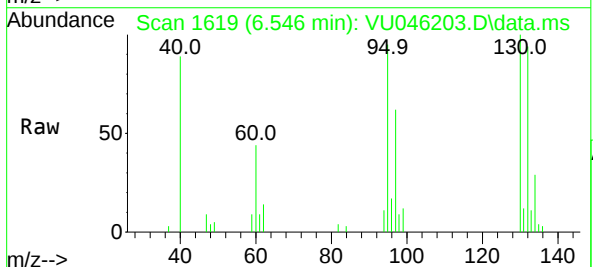
Instrument :
MSVOA_U
ClientSampleId :

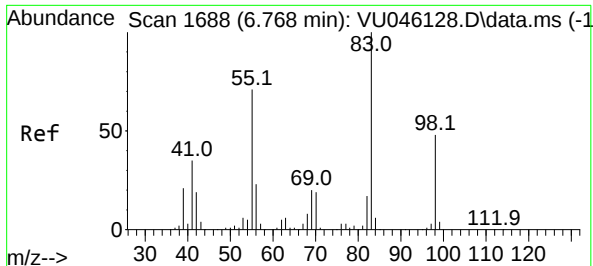
Tgt Ion:117 Resp: 43441
Ion Ratio Lower Upper
117 100
119 97.9 75.7 113.5



#34
Trichloroethene
Concen: 4.875 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046203.D
Acq: 09 Dec 2021 01:56

Tgt Ion: 95 Resp: 7920
Ion Ratio Lower Upper
95 100
97 65.3 44.1 81.9
132 99.6 66.8 124.0
130 105.7 69.0 128.1

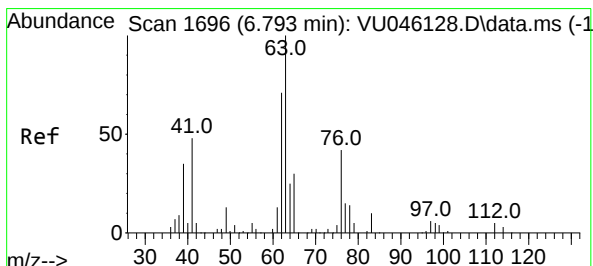
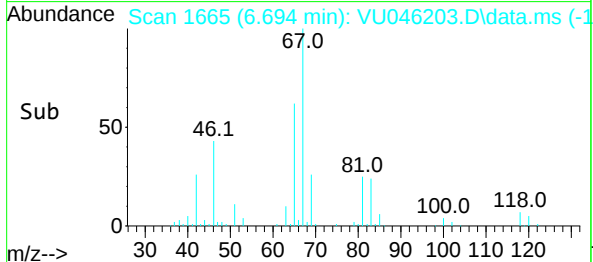
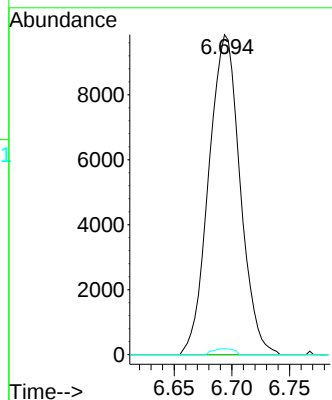
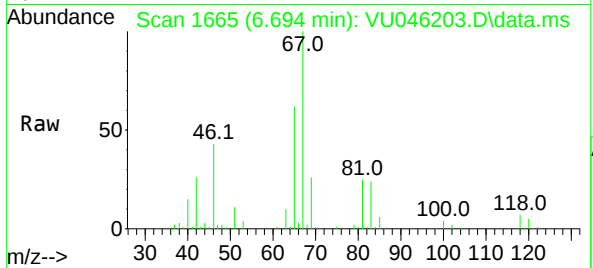




#35
Methylcyclohexane
Concen: 7.381 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046203.D
Acq: 09 Dec 2021 01:56

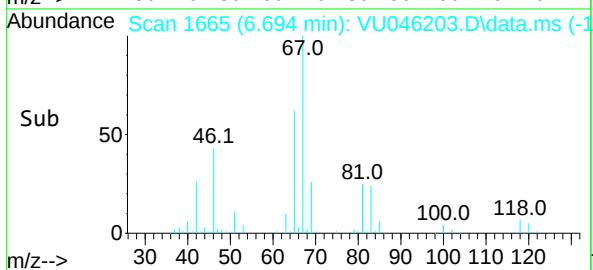
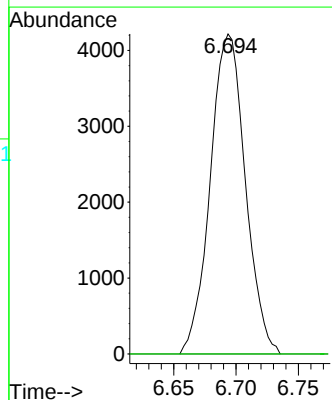
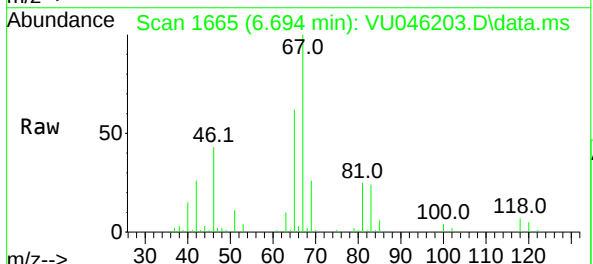
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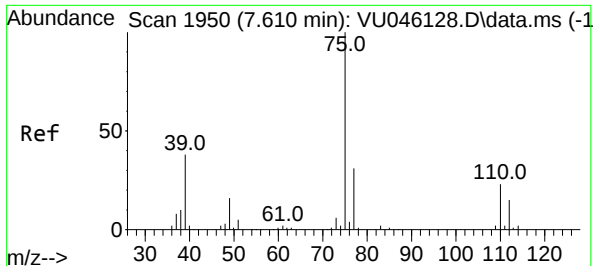
Tgt Ion: 83 Resp: 18592
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 1.2 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 5.109 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU046203.D
Acq: 09 Dec 2021 01:56

Tgt Ion: 63 Resp: 8253
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.896 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046203.D

Acq: 09 Dec 2021 01:56

Instrument :

MSVOA_U

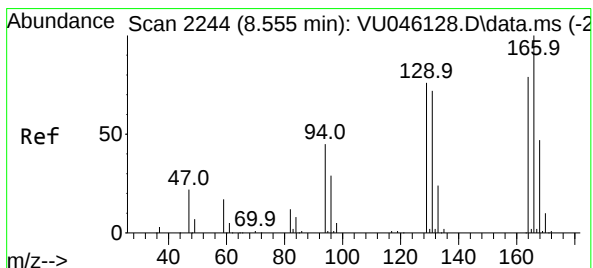
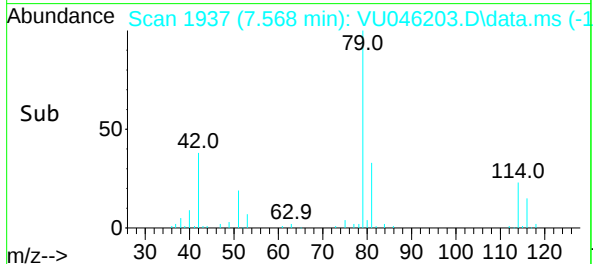
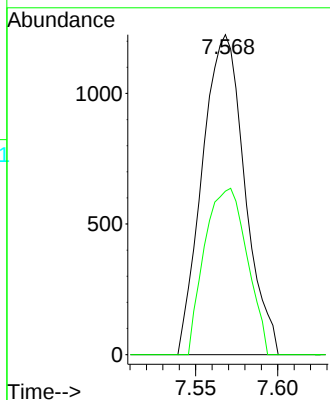
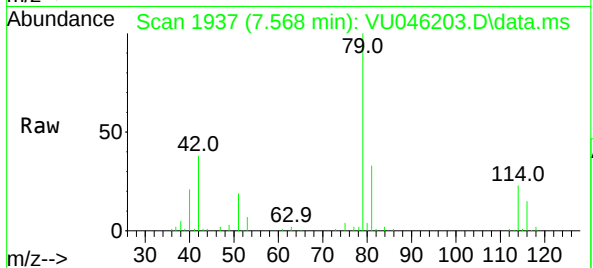
ClientSampleId :

Tgt Ion: 75 Resp: 2201

Ion Ratio Lower Upper

75 100

77 51.1 21.8 40.6#



#46

Tetrachloroethene

Concen: 13.730 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU046203.D

Acq: 09 Dec 2021 01:56

Tgt Ion: 164 Resp: 16391

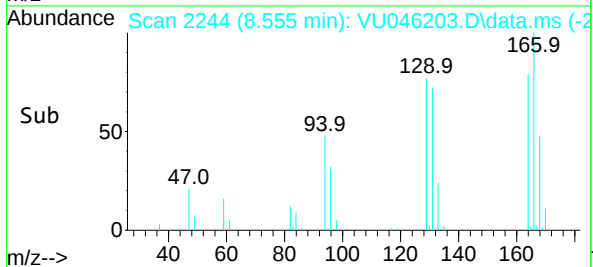
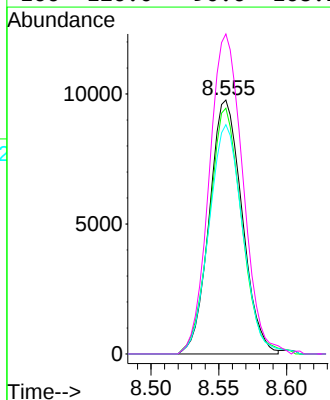
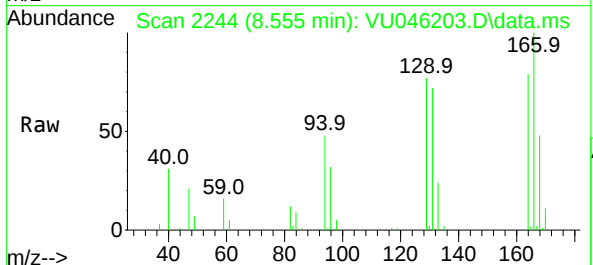
Ion Ratio Lower Upper

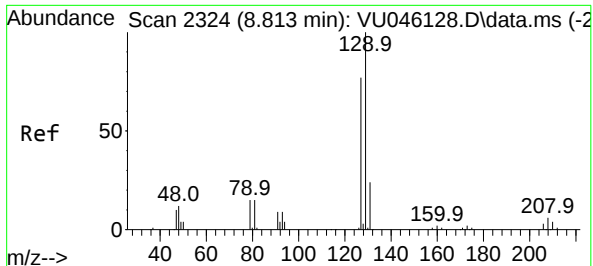
164 100

129 96.8 71.1 132.1

131 90.3 67.8 126.0

166 126.0 90.6 168.2





#49

Dibromochloromethane

Concen: 9.310 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU046203.D

Acq: 09 Dec 2021 01:56

Instrument :

MSVOA_U

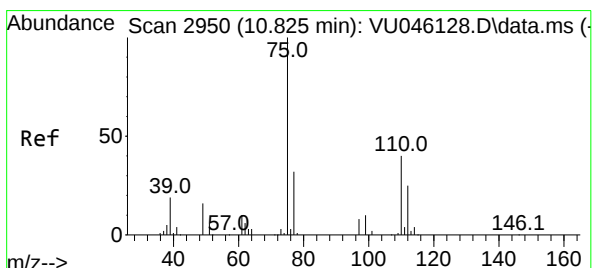
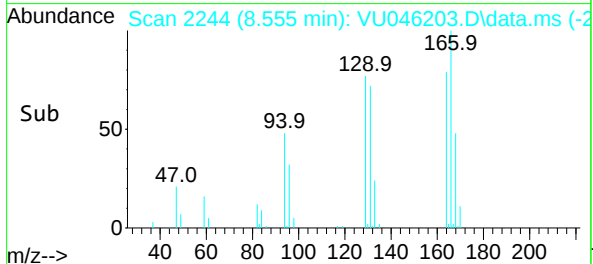
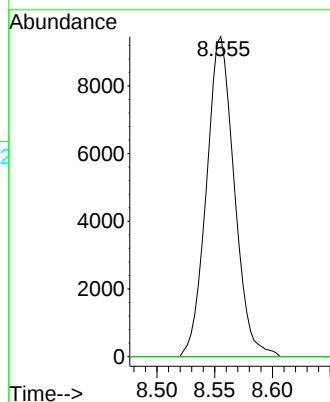
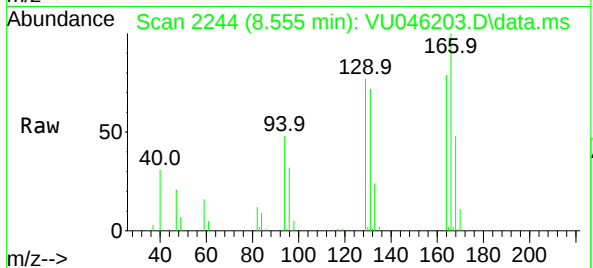
ClientSampleId :

Tgt Ion:129 Resp: 15843

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



#60

1,2,3-Trichloropropane

Concen: 5.339 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU046203.D

Acq: 09 Dec 2021 01:56

Tgt Ion: 75 Resp: 12562

Ion Ratio Lower Upper

75 100

77 30.2 26.4 39.6

110 1.9 32.4 48.6#

