

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
 Data File : VU046251.D
 Acq On : 10 Dec 2021 03:16
 Operator : SY/MD
 Sample : M4982-16
 Misc : 5.6mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 05:26:23 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)

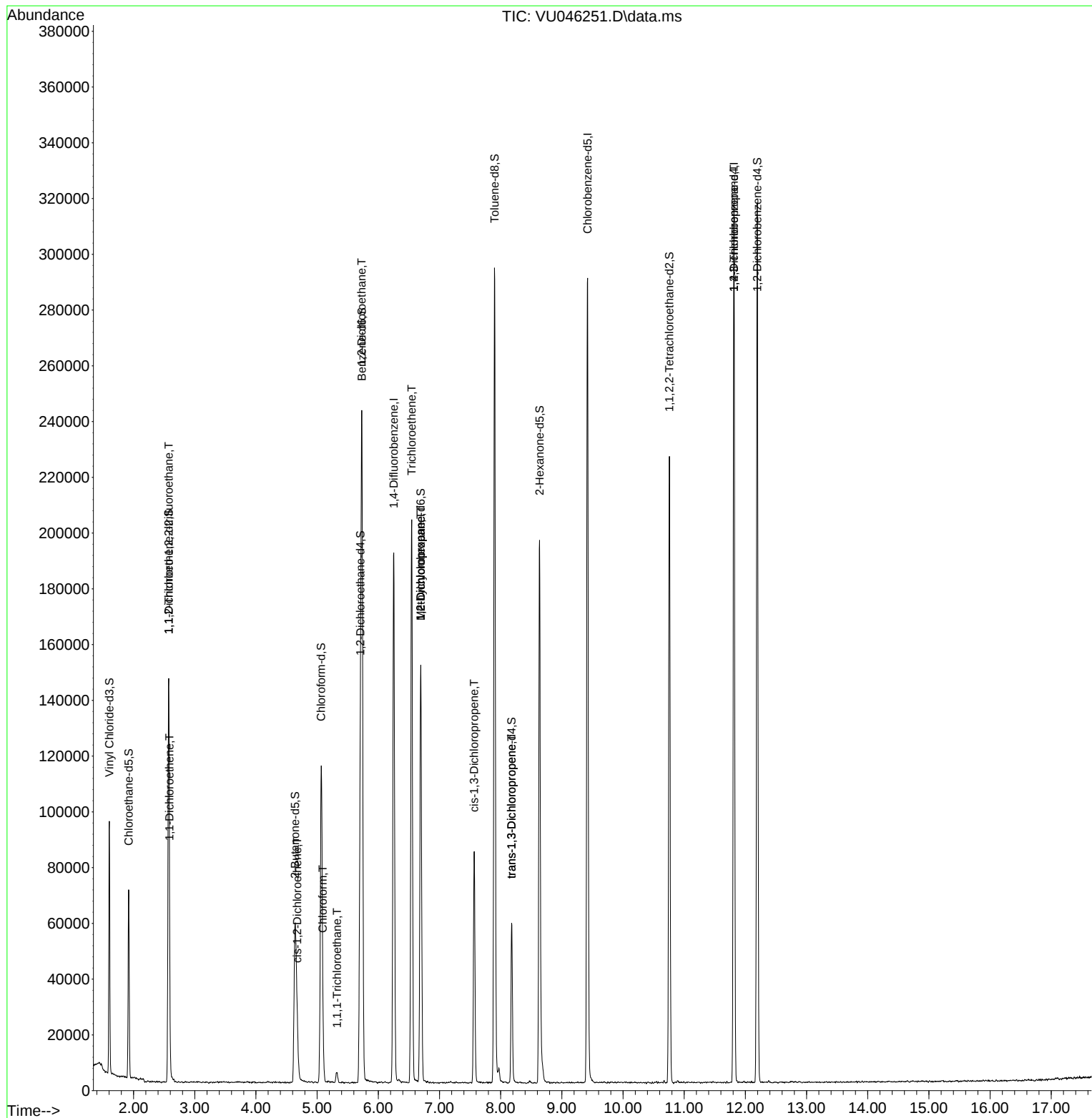
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	158034	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	168610	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	85034	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	62941	48.349	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.700%		
7) Chloroethane-d5	1.919	69	48093	48.116	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.240%		
11) 1,1-Dichloroethene-d2	2.575	63	84807	36.289	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.580%		
21) 2-Butanone-d5	4.639	46	100432	97.048	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.050%		
24) Chloroform-d	5.067	84	104132	47.900	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.800%		
26) 1,2-Dichloroethane-d4	5.706	65	74961	51.380	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.760%		
32) Benzene-d6	5.732	84	226664	46.903	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.800%		
36) 1,2-Dichloropropane-d6	6.694	67	71876	47.990	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.980%		
41) Toluene-d8	7.899	98	201817	45.866	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.740%		
43) trans-1,3-Dichloroprop...	8.179	79	33262	46.005	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.020%		
47) 2-Hexanone-d5	8.636	63	69843	98.353	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.350%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	111524	49.100	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.200%		
66) 1,2-Dichlorobenzene-d4	12.195	152	82796	50.559	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.120%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	817	0.710	ug/L #	21
12) 1,1-Dichloroethene	2.588	96	4946	4.526	ug/L #	1
20) cis-1,2-Dichloroethene	4.674	96	5528	4.406	ug/L	88
25) Chloroform	5.092	83	10679	4.571	ug/L	99
27) 1,2-Dichloroethane	5.729	62	1285	0.741	ug/L #	73
30) 1,1,1-Trichloroethane	5.324	97	3377	1.632	ug/L	90
34) Trichloroethene	6.546	95	68454	50.918	ug/L	99
35) Methylcyclohexane	6.694	83	17206	8.254	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	7925	5.928	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	2005	0.986	ug/L #	74
44) trans-1,3-Dichloropropene	8.179	75	1554	0.778	ug/L #	79
60) 1,2,3-Trichloropropane	11.812	75	10421	5.591	ug/L #	65

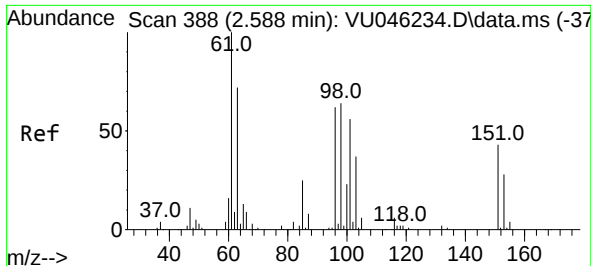
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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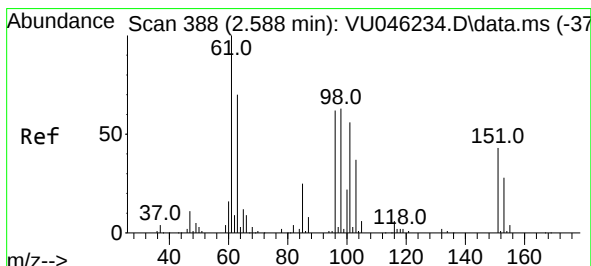
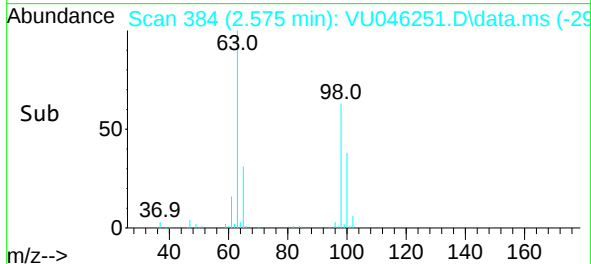
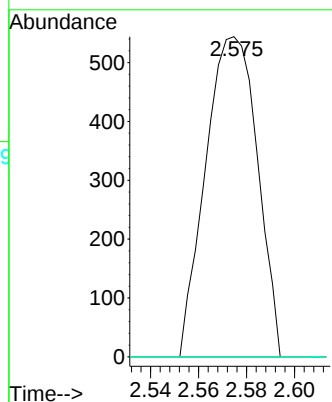
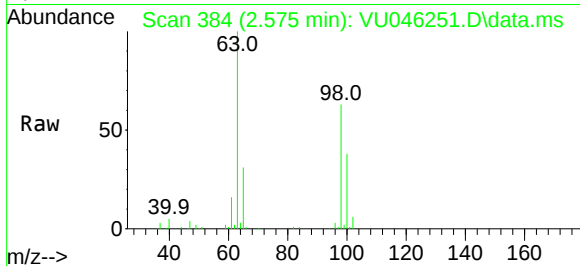




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.710 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU046251.D
 Acq: 10 Dec 2021 03:16

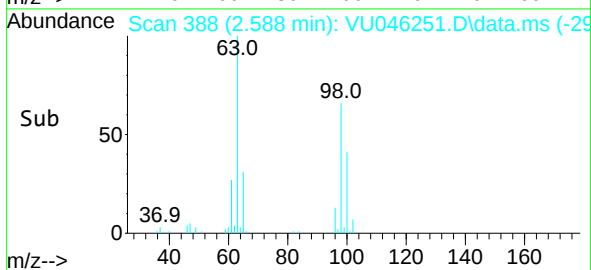
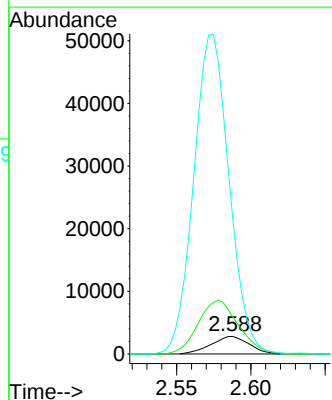
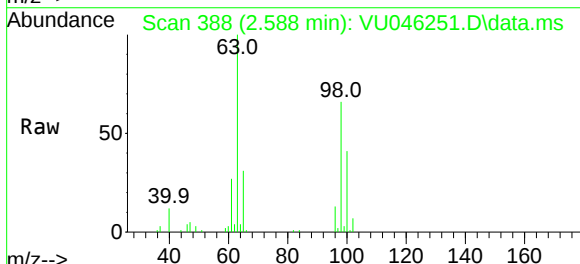
Instrument :
 MSVOA_U
 ClientSampleId :

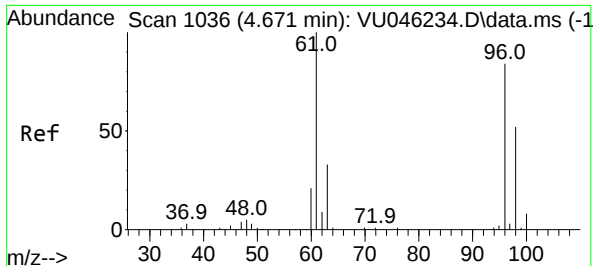
Tgt Ion:101 Resp: 817
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 4.526 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.003 min
 Lab File: VU046251.D
 Acq: 10 Dec 2021 03:16

Tgt Ion: 96 Resp: 4946
 Ion Ratio Lower Upper
 96 100
 61 212.9 118.6 220.2
 63 782.4 93.0 172.8#





#20

cis-1,2-Dichloroethene

Concen: 4.406 ug/L

RT: 4.674 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VU046251.D

Acq: 10 Dec 2021 03:16

Instrument :

MSVOA_U

ClientSampleId :

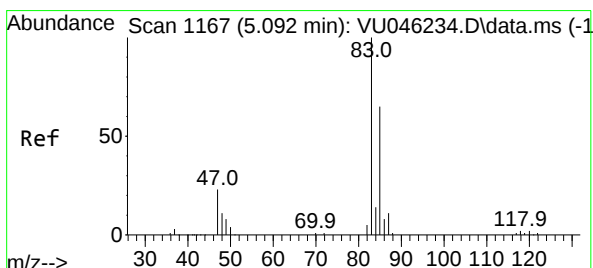
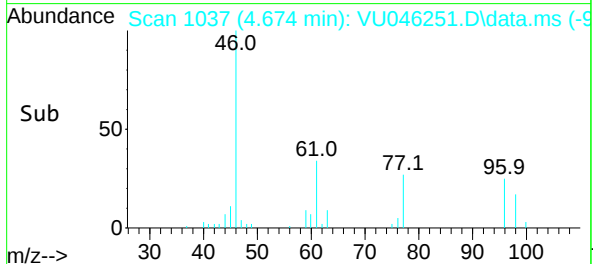
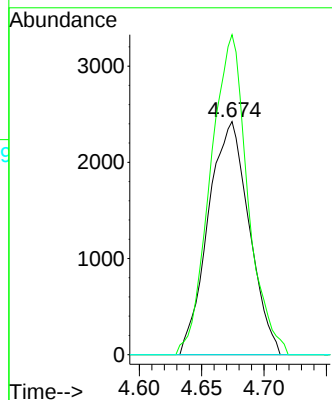
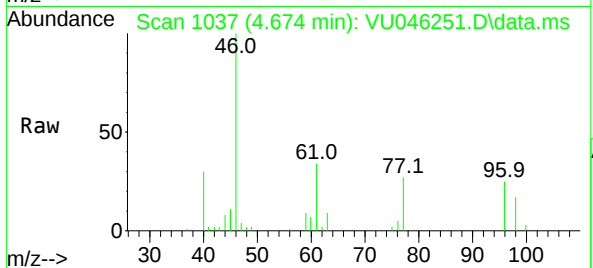
Tgt Ion: 96 Resp: 5528

Ion Ratio Lower Upper

96 100

61 137.3 86.8 161.2

68 0.0 0.0 0.0



#25

Chloroform

Concen: 4.571 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU046251.D

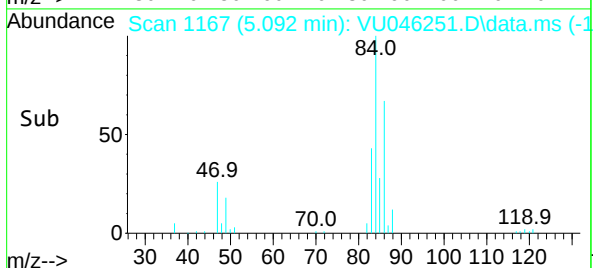
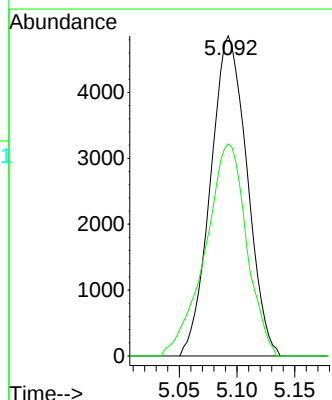
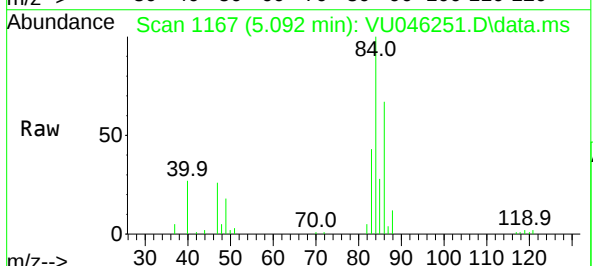
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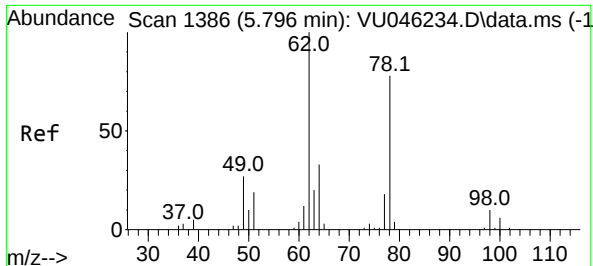
Tgt Ion: 83 Resp: 10679

Ion Ratio Lower Upper

83 100

85 66.2 45.8 85.2

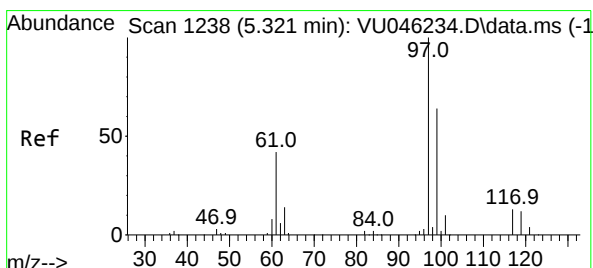
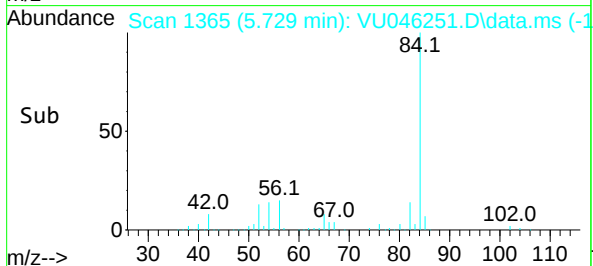
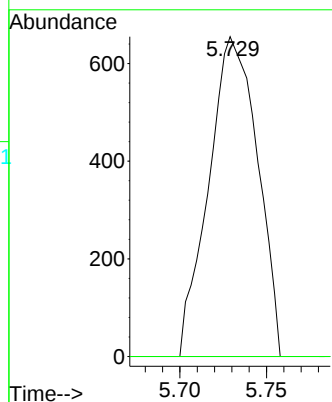
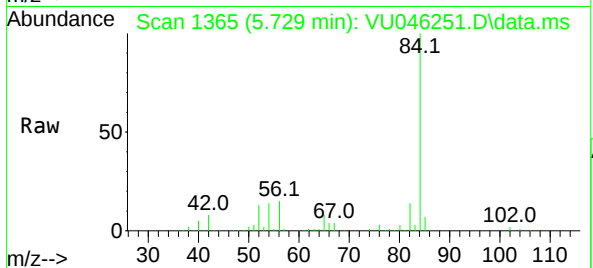




#27
1,2-Dichloroethane
Concen: 0.741 ug/L
RT: 5.729 min Scan# 11
Delta R.T. -0.071 min
Lab File: VU046251.D
Acq: 10 Dec 2021 03:16

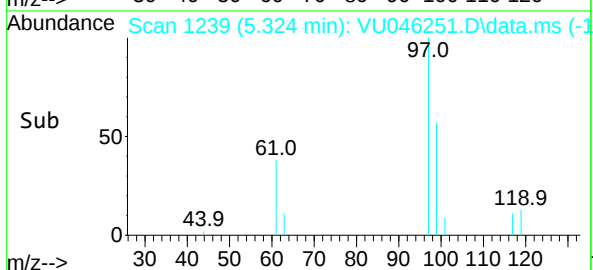
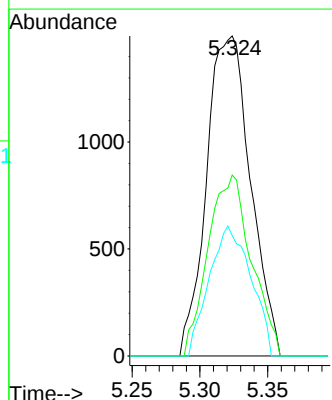
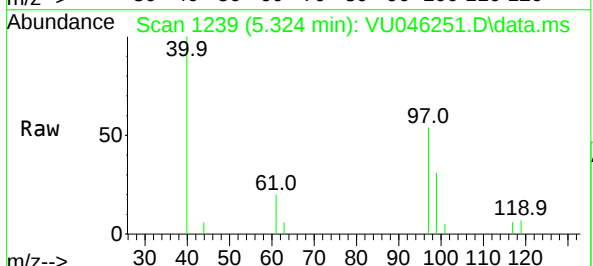
Instrument :
MSVOA_U
ClientSampleId :

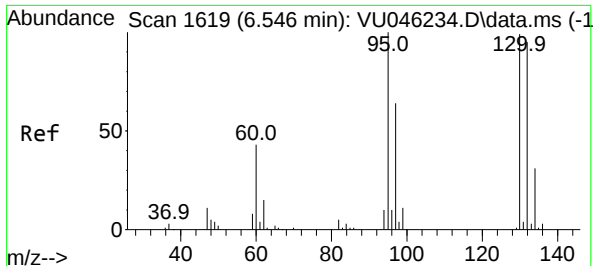
Tgt Ion: 62 Resp: 1285
Ion Ratio Lower Upper
62 100
98 0.0 7.9 11.9#



#30
1,1,1-Trichloroethane
Concen: 1.632 ug/L
RT: 5.324 min Scan# 1239
Delta R.T. 0.003 min
Lab File: VU046251.D
Acq: 10 Dec 2021 03:16

Tgt Ion: 97 Resp: 3377
Ion Ratio Lower Upper
97 100
99 55.6 51.8 77.6
61 38.5 34.4 51.6

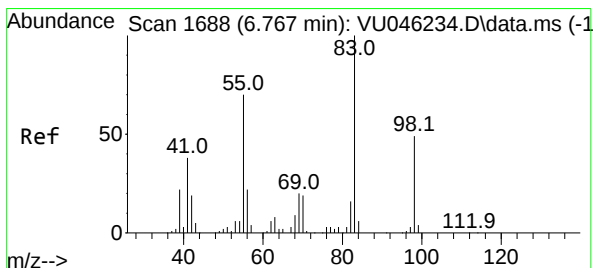
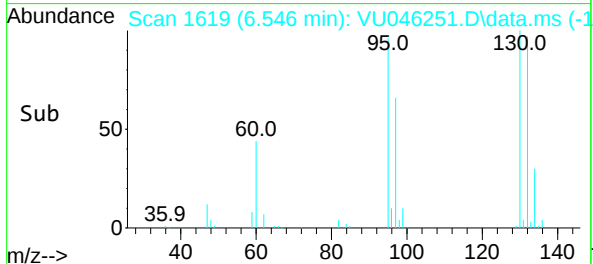
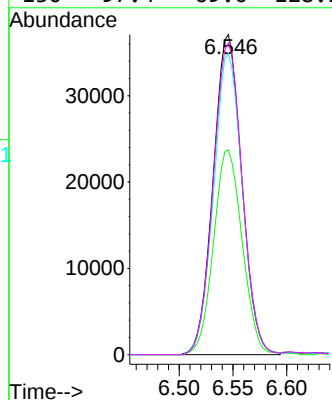
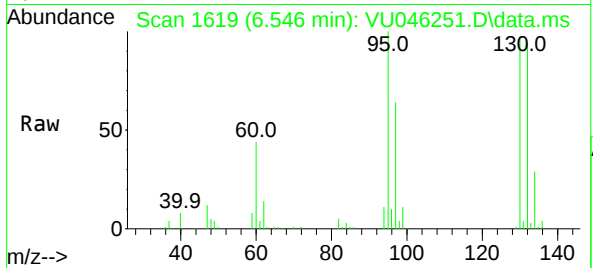




#34
Trichloroethene
Concen: 50.918 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046251.D
Acq: 10 Dec 2021 03:16

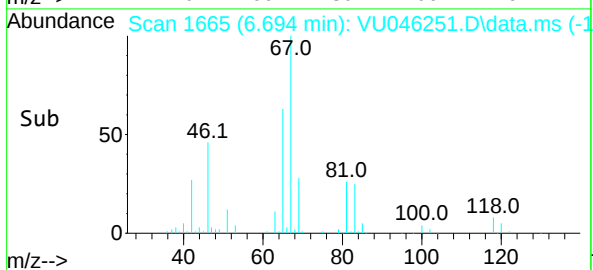
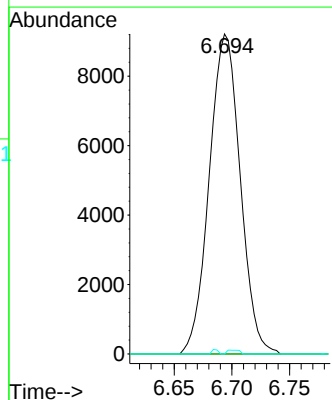
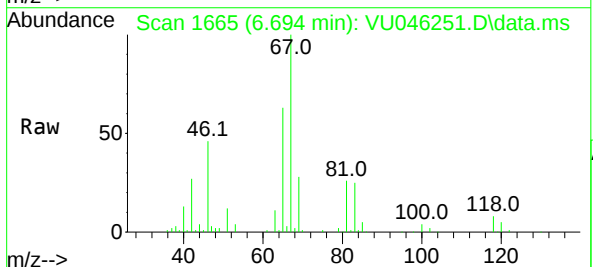
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MSVOA_U
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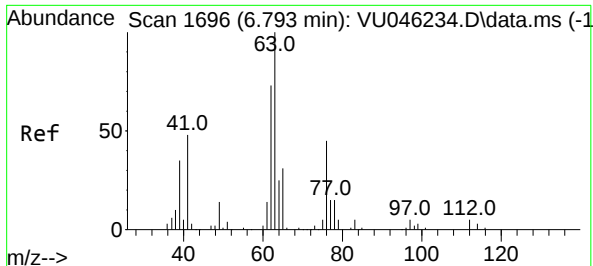
Tgt Ion: 95 Resp: 68454
Ion Ratio Lower Upper
95 100
97 64.0 44.1 81.9
132 94.2 66.8 124.0
130 97.4 69.0 128.1



#35
Methylcyclohexane
Concen: 8.254 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046251.D
Acq: 10 Dec 2021 03:16

Tgt Ion: 83 Resp: 17206
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 0.2 38.4 57.6#

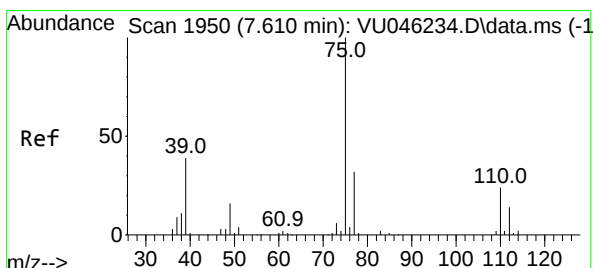
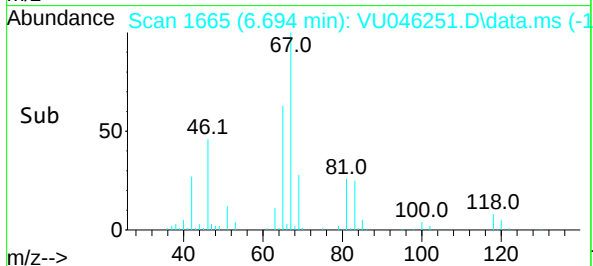
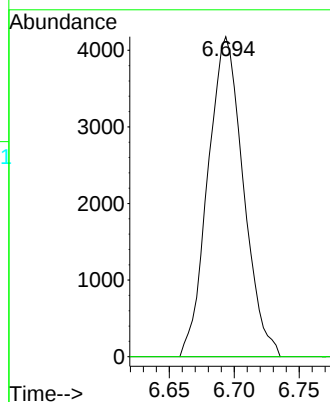
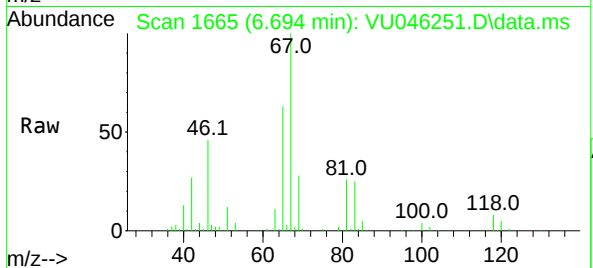




#37
1,2-Dichloropropane
Concen: 5.928 ug/L
RT: 6.694 min Scan# 11
Delta R.T. -0.100 min
Lab File: VU046251.D
Acq: 10 Dec 2021 03:16

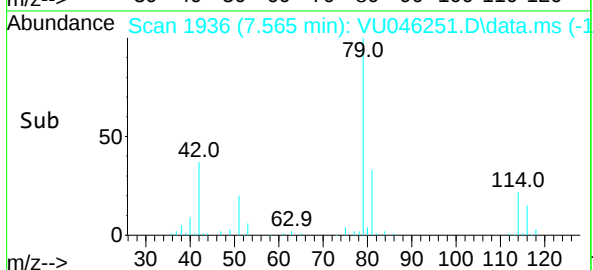
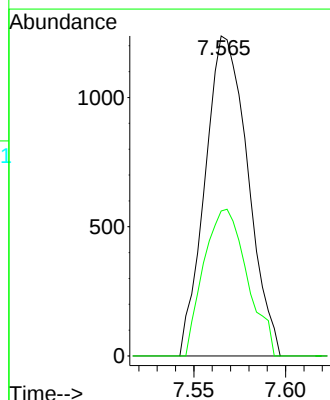
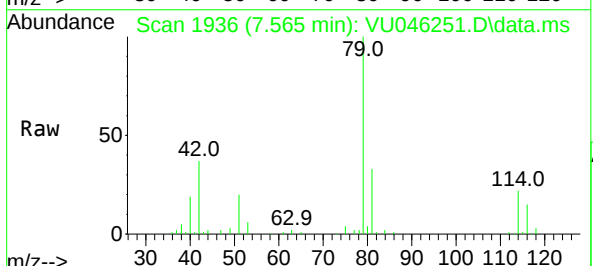
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MSVOA_U
ClientSampleId :

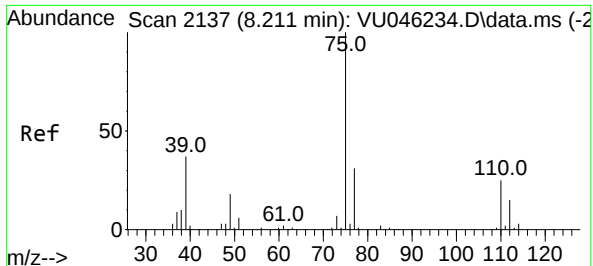
Tgt Ion: 63 Resp: 7925
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



#39
cis-1,3-Dichloropropene
Concen: 0.986 ug/L
RT: 7.565 min Scan# 1936
Delta R.T. -0.045 min
Lab File: VU046251.D
Acq: 10 Dec 2021 03:16

Tgt Ion: 75 Resp: 2005
Ion Ratio Lower Upper
75 100
77 45.3 21.8 40.6#

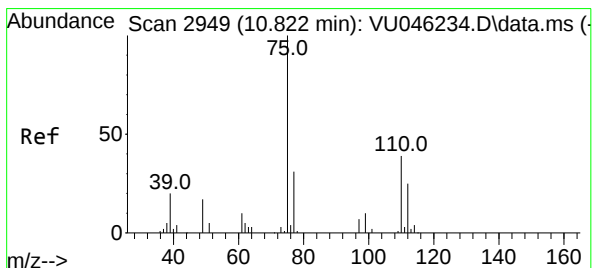
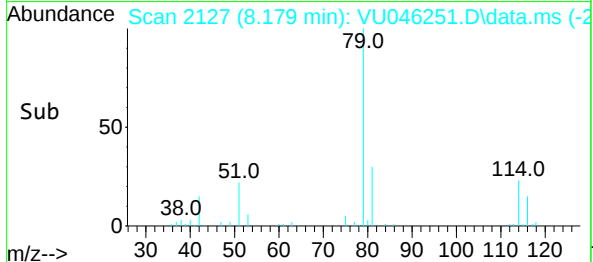
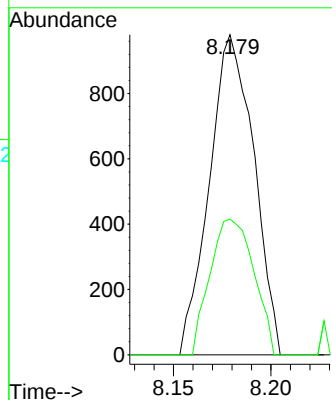
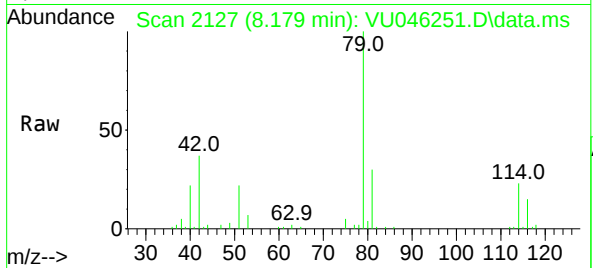




#44
trans-1,3-Dichloropropene
Concen: 0.778 ug/L
RT: 8.179 min Scan# 2137
Delta R.T. -0.035 min
Lab File: VU046251.D
Acq: 10 Dec 2021 03:16

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 1554
Ion Ratio Lower Upper
75 100
77 42.4 21.7 40.3#



#60
1,2,3-Trichloropropane
Concen: 5.591 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046251.D
Acq: 10 Dec 2021 03:16

Tgt Ion: 75 Resp: 10421
Ion Ratio Lower Upper
75 100
77 33.2 26.4 39.6
110 1.1 32.4 48.6#

