

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121421\
 Data File : VU046356.D
 Acq On : 14 Dec 2021 15:20
 Operator : SY/MD
 Sample : M4983-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5P5

Quant Time: Dec 15 01:43:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 15 01:40:37 2021
 Response via : Initial Calibration

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

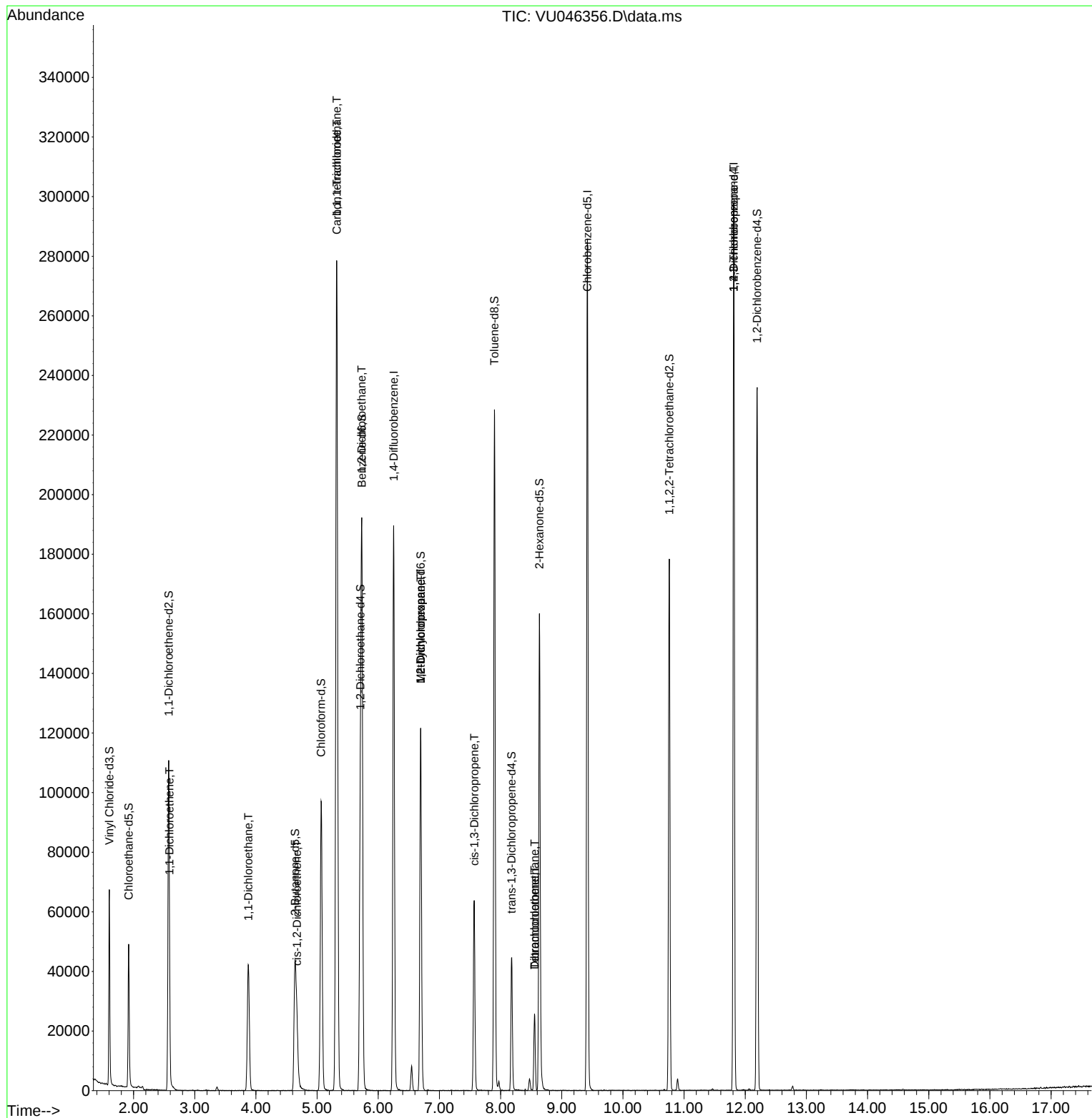
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	150716	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	156816	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	76850	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	46814	37.707	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	75.420%		
7) Chloroethane-d5	1.919	69	37037	38.854	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	77.700%		
11) 1,1-Dichloroethene-d2	2.575	63	65175	29.243	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	58.480%#		
21) 2-Butanone-d5	4.642	46	78970	80.014	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	80.010%		
24) Chloroform-d	5.067	84	92361	44.548	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.100%		
26) 1,2-Dichloroethane-d4	5.706	65	62434	44.871	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.740%		
32) Benzene-d6	5.732	84	178597	39.736	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.480%		
36) 1,2-Dichloropropane-d6	6.694	67	56591	40.626	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	81.260%		
41) Toluene-d8	7.899	98	148068	36.182	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	72.360%#		
43) trans-1,3-Dichloroprop...	8.179	79	25224	37.512	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	75.020%		
47) 2-Hexanone-d5	8.636	63	57317	86.784	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	86.780%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	87555	41.447	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	82.900%		
66) 1,2-Dichlorobenzene-d4	12.195	152	61117	41.295	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	82.600%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.588	96	4990	4.788	ug/L #	1
19) 1,1-Dichloroethane	3.877	63	48538	24.206	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	5138	4.294	ug/L	92
27) 1,2-Dichloroethane	5.729	62	950	0.575	ug/L #	73
30) 1,1,1-Trichloroethane	5.321	97	205270	106.638	ug/L	100
31) Carbon tetrachloride	5.324	117	25163	15.398	ug/L	94
35) Methylcyclohexane	6.694	83	14081	7.263	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6109	4.914	ug/L #	86
39) cis-1,3-Dichloropropene	7.571	75	1611	0.852	ug/L #	79
46) Tetrachloroethene	8.555	164	5533	6.022	ug/L	94
49) Dibromochloromethane	8.555	129	5463	4.171	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	9626	5.714	ug/L #	64

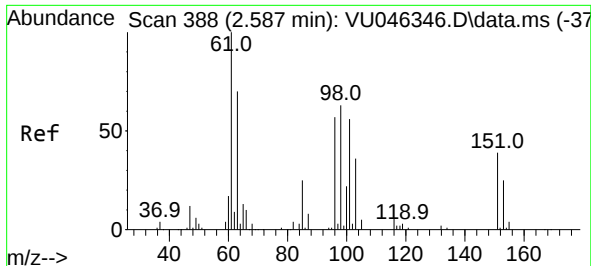
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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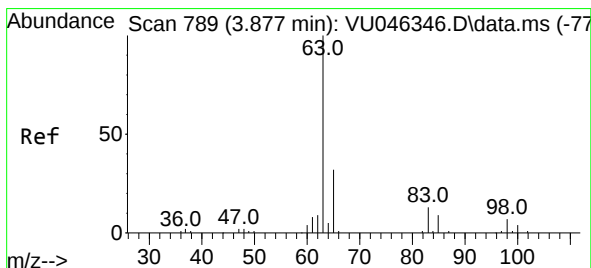
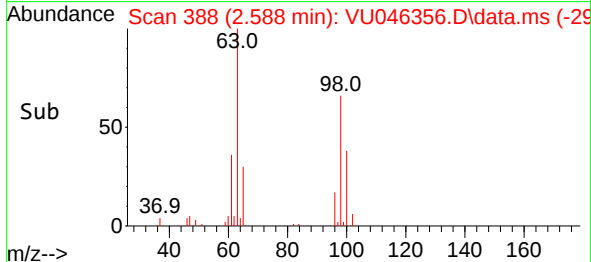
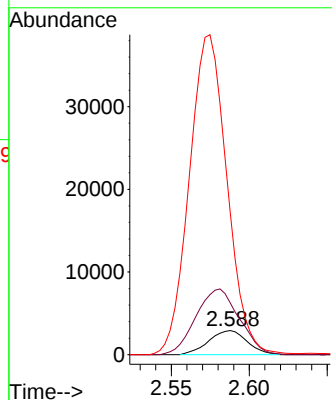
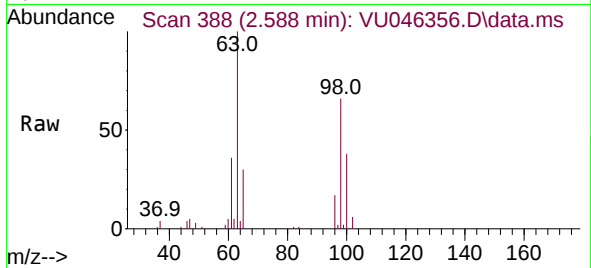




#12
 1,1-Dichloroethene
 Concen: 4.788 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: VU046356.D
 Acq: 14 Dec 2021 15:20

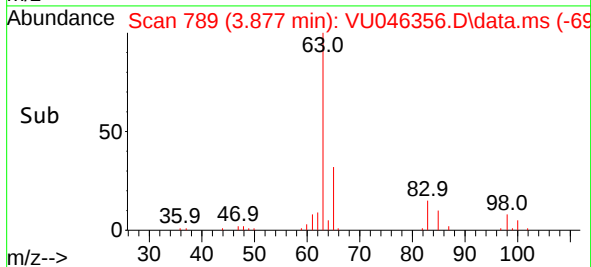
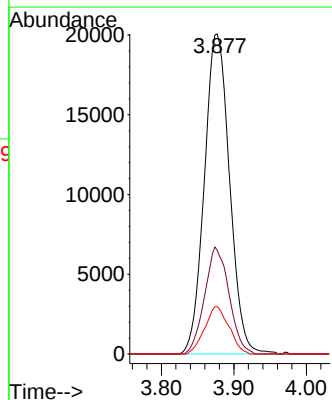
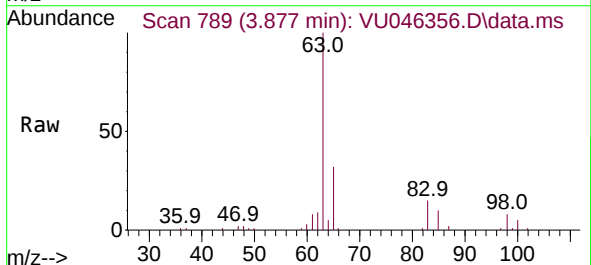
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5P5

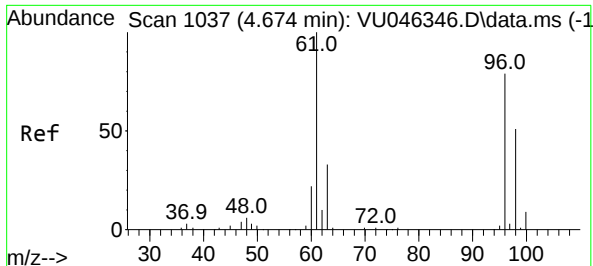
Tgt Ion: 96 Resp: 4990
 Ion Ratio Lower Upper
 96 100
 61 215.3 118.6 220.2
 63 593.4 93.0 172.8#



#19
 1,1-Dichloroethane
 Concen: 24.206 ug/L
 RT: 3.877 min Scan# 789
 Delta R.T. 0.000 min
 Lab File: VU046356.D
 Acq: 14 Dec 2021 15:20

Tgt Ion: 63 Resp: 48538
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.8 42.4
 83 14.8 9.6 17.8

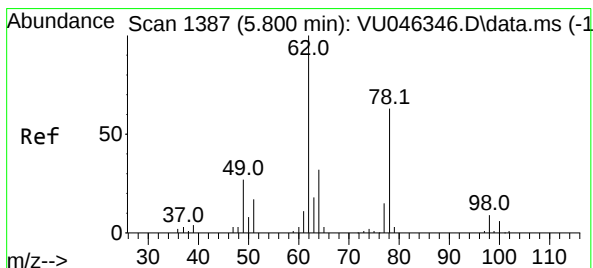
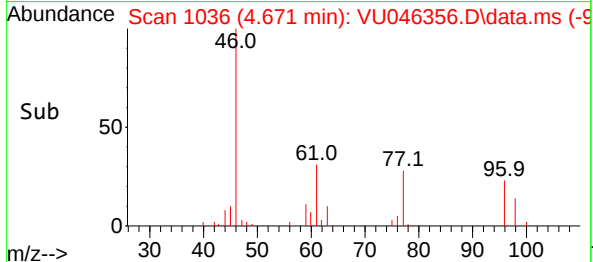
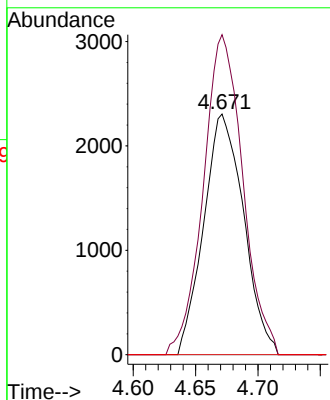
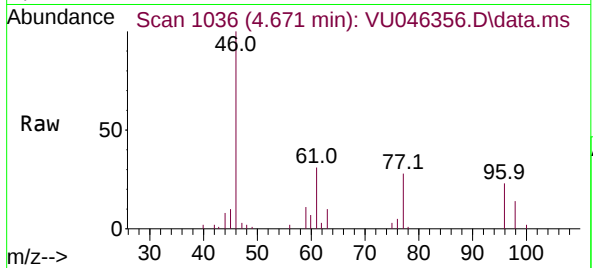




#20
 cis-1,2-Dichloroethene
 Concen: 4.294 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.003 min
 Lab File: VU046356.D
 Acq: 14 Dec 2021 15:20

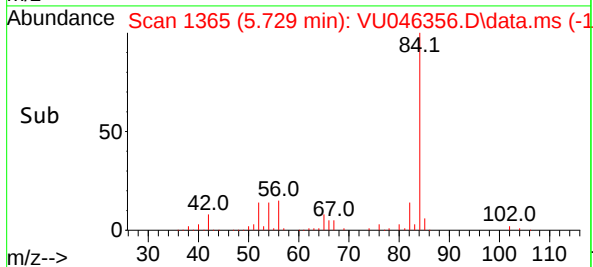
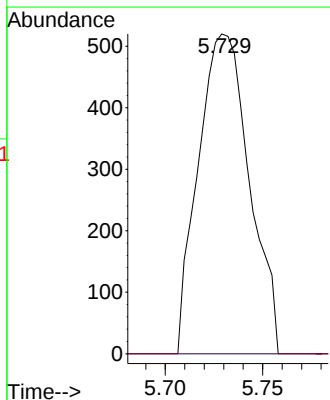
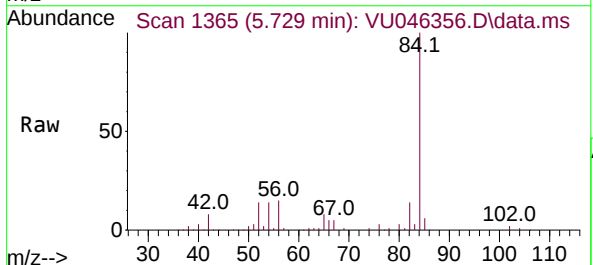
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5P5

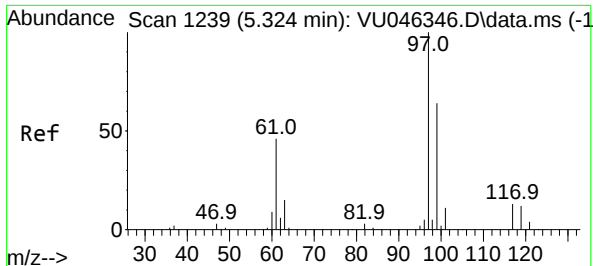
Tgt Ion: 96 Resp: 5138
 Ion Ratio Lower Upper
 96 100
 61 133.0 86.8 161.2
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.575 ug/L
 RT: 5.729 min Scan# 1365
 Delta R.T. -0.071 min
 Lab File: VU046356.D
 Acq: 14 Dec 2021 15:20

Tgt Ion: 62 Resp: 950
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.9 11.9#





#30

1,1,1-Trichloroethane

Concen: 106.638 ug/L

RT: 5.321 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU046356.D

Acq: 14 Dec 2021 15:20

Instrument :

MSVOA_U

ClientSampleId :

EW5P5

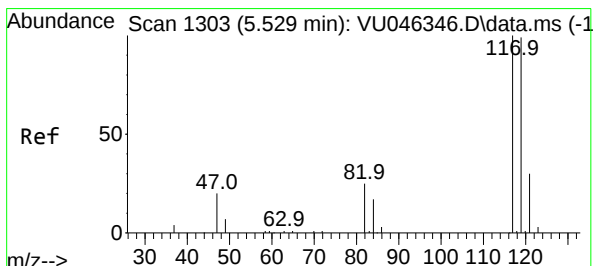
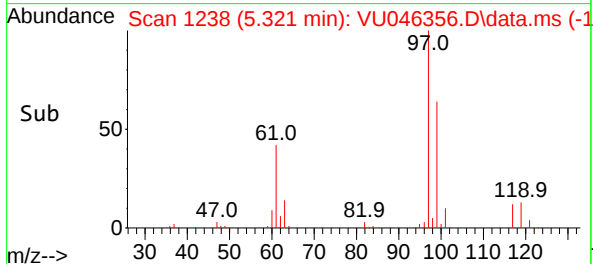
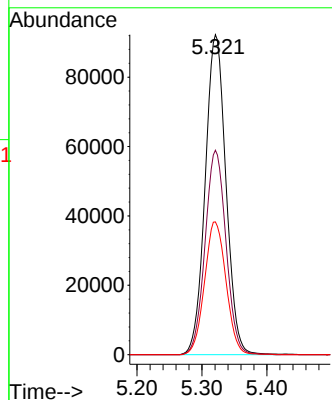
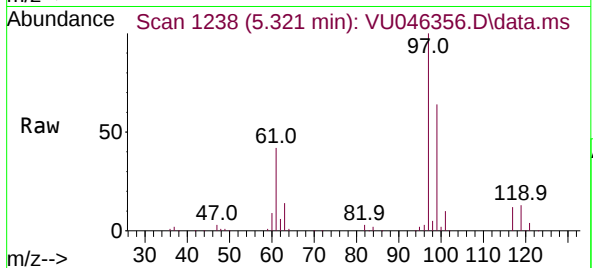
Tgt Ion: 97 Resp: 205270

Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.6

61 42.9 34.4 51.6



#31

Carbon tetrachloride

Concen: 15.398 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. -0.206 min

Lab File: VU046356.D

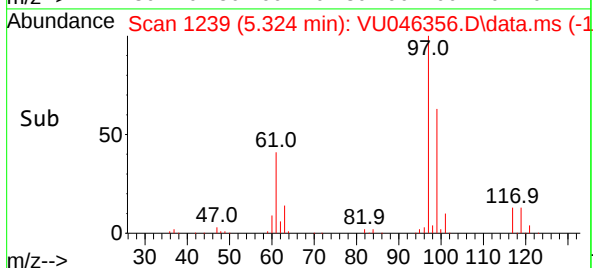
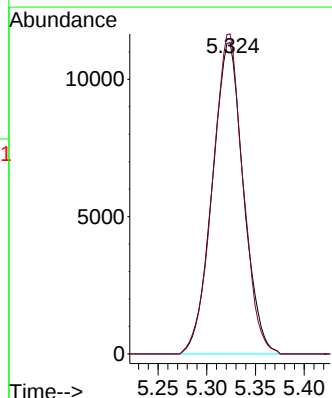
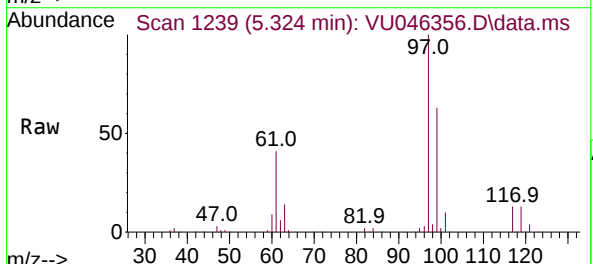
Acq: 14 Dec 2021 15:20

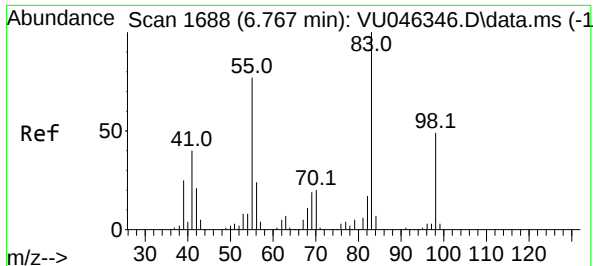
Tgt Ion: 117 Resp: 25163

Ion Ratio Lower Upper

117 100

119 100.5 75.7 113.5

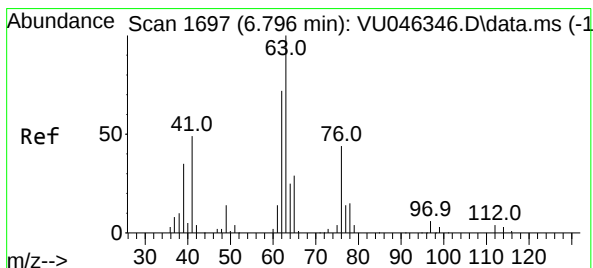
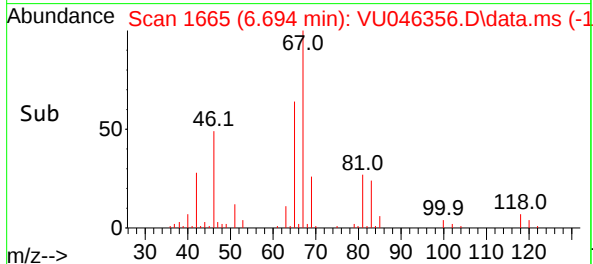
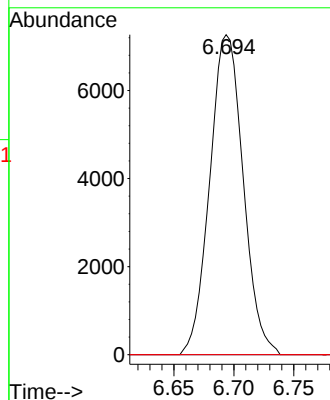
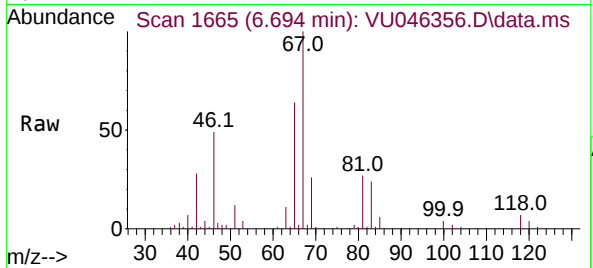




#35
Methylcyclohexane
Concen: 7.263 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046356.D
Acq: 14 Dec 2021 15:20

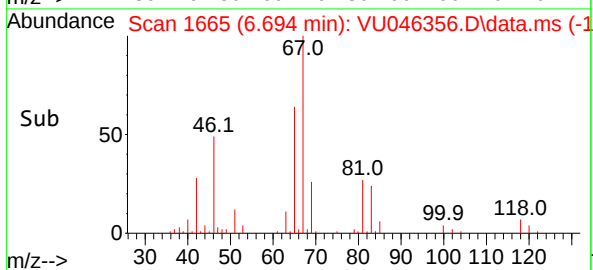
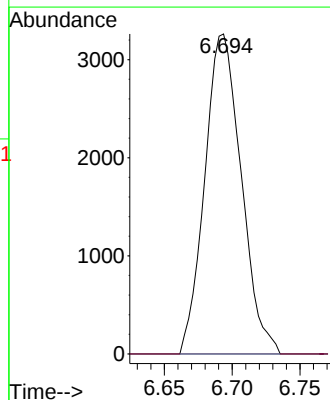
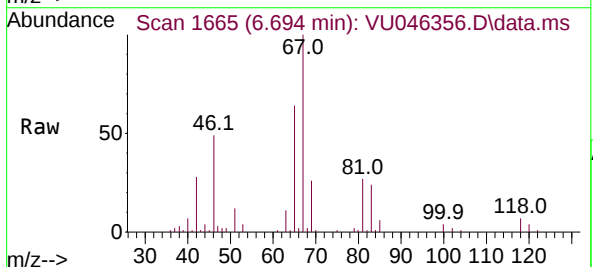
Instrument :
MSVOA_U
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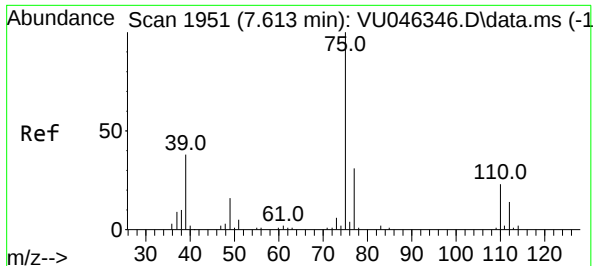
Tgt Ion: 83 Resp: 14081
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 0.0 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 4.914 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU046356.D
Acq: 14 Dec 2021 15:20

Tgt Ion: 63 Resp: 6109
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.852 ug/L

RT: 7.571 min Scan# 1951

Delta R.T. -0.042 min

Lab File: VU046356.D

Acq: 14 Dec 2021 15:20

Instrument :

MSVOA_U

ClientSampleId :

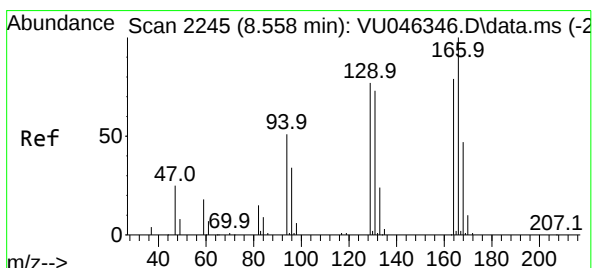
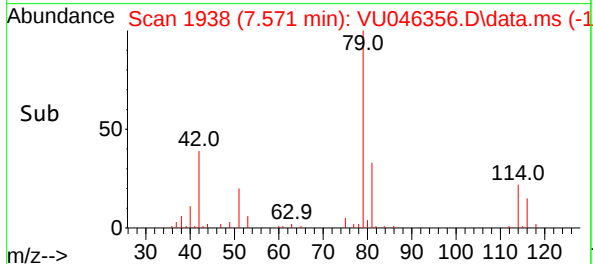
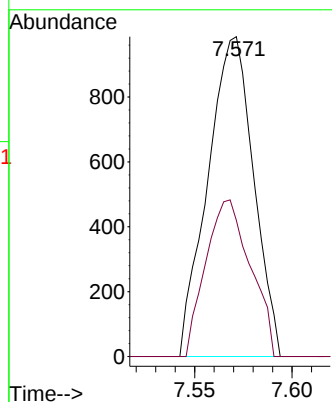
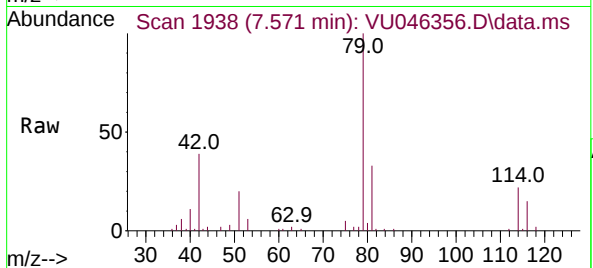
EW5P5

Tgt Ion: 75 Resp: 1611

Ion Ratio Lower Upper

75 100

77 42.6 21.8 40.6#



#46

Tetrachloroethene

Concen: 6.022 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.003 min

Lab File: VU046356.D

Acq: 14 Dec 2021 15:20

Tgt Ion: 164 Resp: 5533

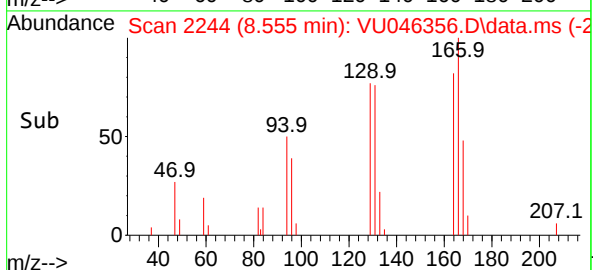
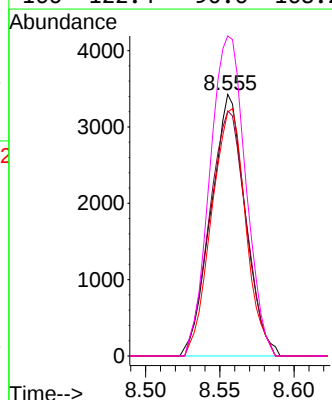
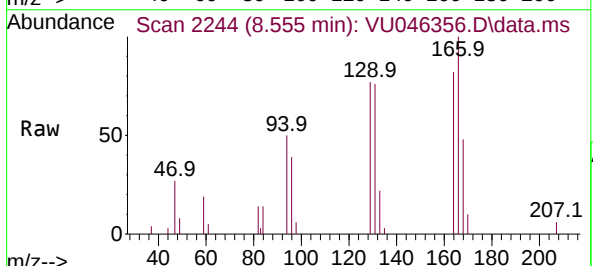
Ion Ratio Lower Upper

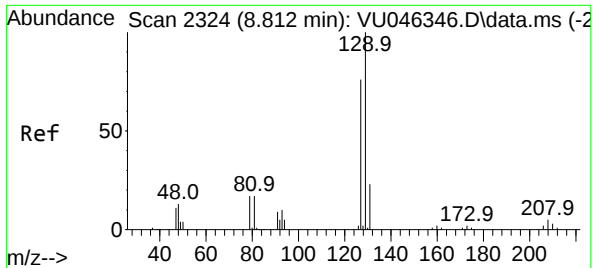
164 100

129 93.7 71.1 132.1

131 93.3 67.8 126.0

166 122.4 90.6 168.2

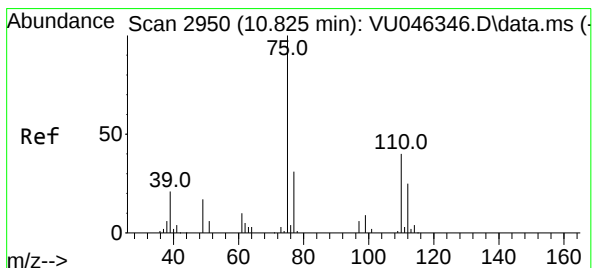
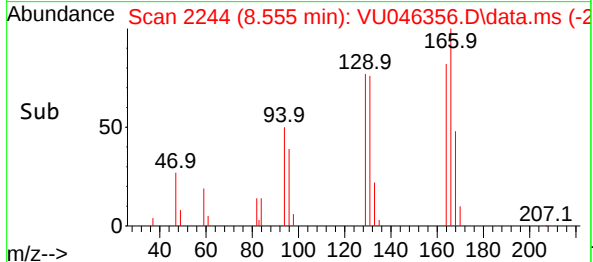
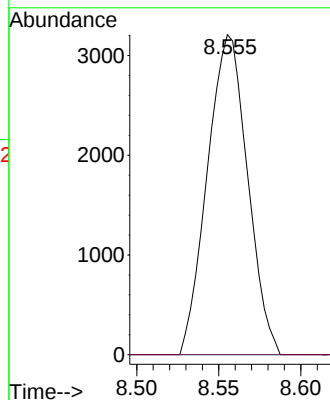
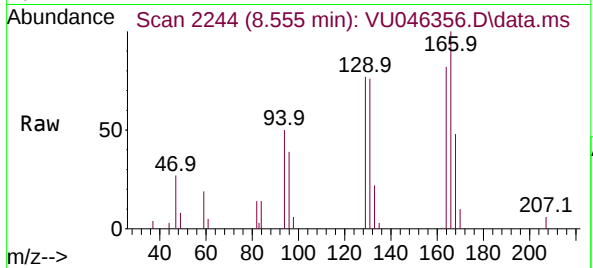




#49
Dibromochloromethane
Concen: 4.171 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU046356.D
Acq: 14 Dec 2021 15:20

Instrument :
MSVOA_U
ClientSampleId :
EW5P5

Tgt Ion:129 Resp: 5463
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#



#60
1,2,3-Trichloropropane
Concen: 5.714 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046356.D
Acq: 14 Dec 2021 15:20

Tgt Ion: 75 Resp: 9626
Ion Ratio Lower Upper
75 100
77 31.0 26.4 39.6
110 1.6 32.4 48.6#

