

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046306.D
 Acq On : 13 Dec 2021 11:45
 Operator : SY/MD
 Sample : M4983-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 14 02:33:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 13 13:51:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	133818	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	140510	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	68639	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	65146	59.099	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	118.200%
7) Chloroethane-d5	1.919	69	46815	55.314	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.620%
11) 1,1-Dichloroethene-d2	2.575	63	87440	44.187	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.380%
21) 2-Butanone-d5	4.645	46	92108	105.111	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.110%
24) Chloroform-d	5.070	84	96393	52.364	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.720%
26) 1,2-Dichloroethane-d4	5.707	65	70632	57.173	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.340%
32) Benzene-d6	5.732	84	211130	52.425	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.860%
36) 1,2-Dichloropropane-d6	6.694	67	65484	52.466	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.940%
41) Toluene-d8	7.903	98	181049	49.375	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.760%
43) trans-1,3-Dichloroprop...	8.182	79	30271	50.242	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.480%
47) 2-Hexanone-d5	8.636	63	64214	108.510	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.510%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	101522	53.635	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.280%
66) 1,2-Dichlorobenzene-d4	12.195	152	70138	53.060	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.120%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	609	0.625	ug/L #	21
12) 1,1-Dichloroethene	2.588	96	5764	6.230	ug/L #	1
17) trans-1,2-Dichloroethene	3.366	96	482	0.492	ug/L	88
19) 1,1-Dichloroethane	3.877	63	52503	29.490	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	5803	5.462	ug/L	98
25) Chloroform	5.092	83	10539	5.328	ug/L	100
27) 1,2-Dichloroethane	5.732	62	1098	0.748	ug/L #	73
30) 1,1,1-Trichloroethane	5.321	97	210386	121.979	ug/L	98
31) Carbon tetrachloride	5.324	117	26181	17.880	ug/L	98
35) Methylcyclohexane	6.694	83	15890	9.147	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	7227	6.487	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1873	1.105	ug/L #	65
44) trans-1,3-Dichloropropene	8.179	75	1325	0.796	ug/L #	78
46) Tetrachloroethene	8.558	164	5880	7.142	ug/L	97
49) Dibromochloromethane	8.555	129	5396	4.598	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	9029	6.001	ug/L #	61

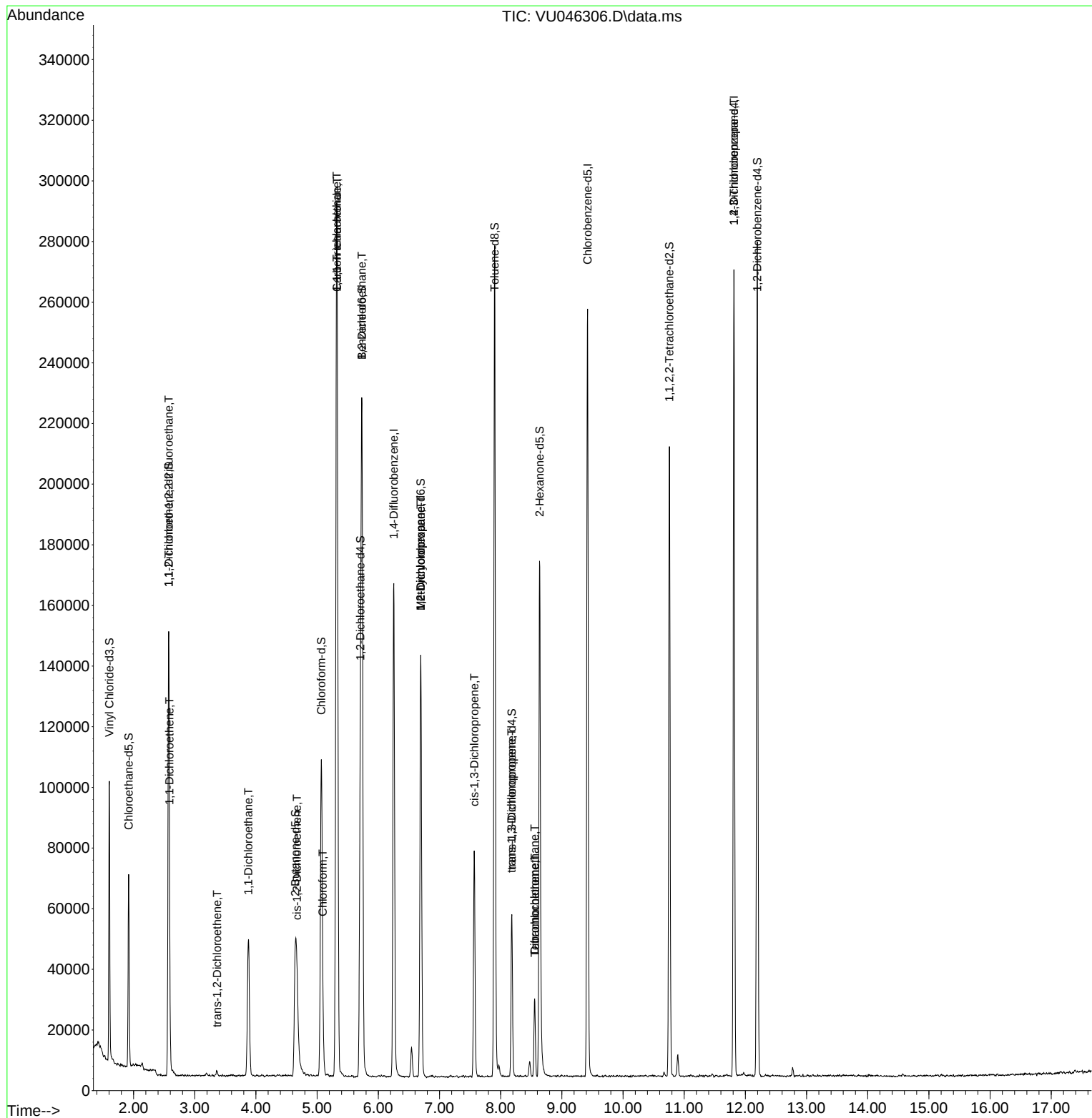
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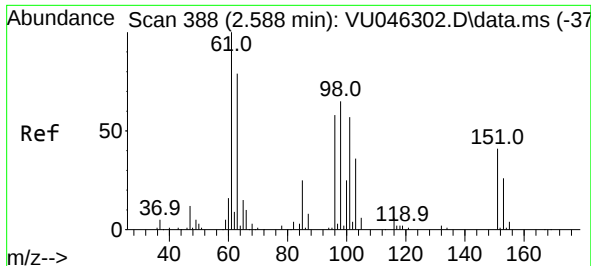
Instrument :
MSVOA_W
ClientSampleId :

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Quant Time: Dec 14 02:33:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Dec 13 13:51:57 2021
Response via : Initial Calibration

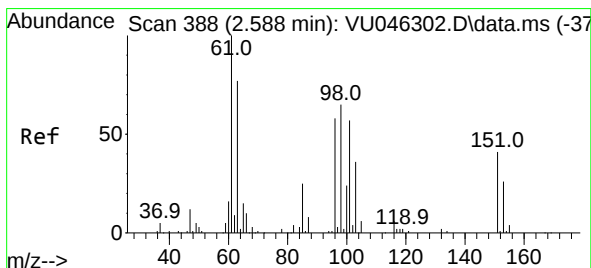
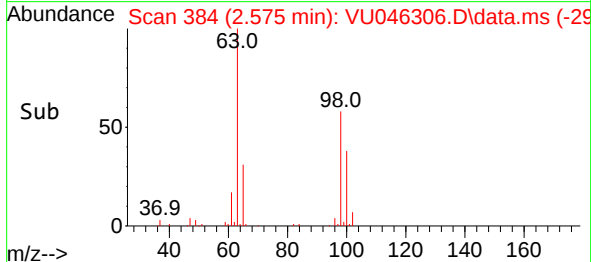
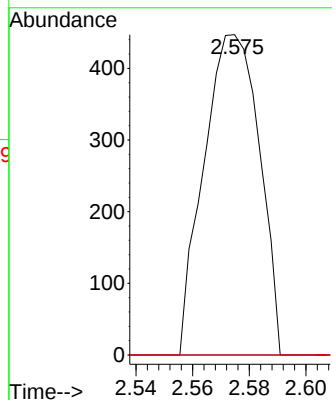
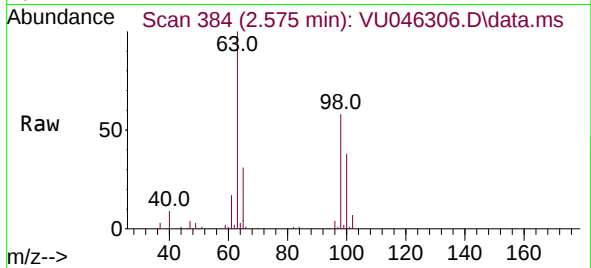




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.625 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU046306.D
 Acq: 13 Dec 2021 11:45

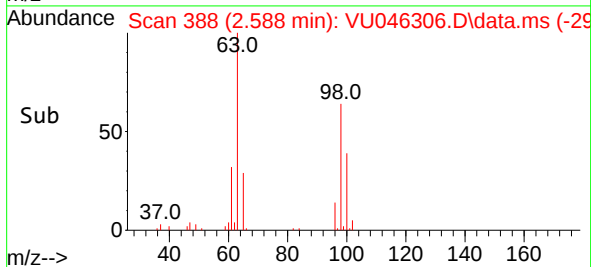
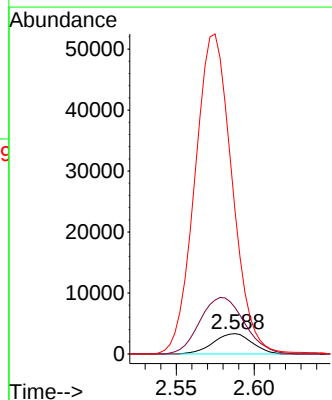
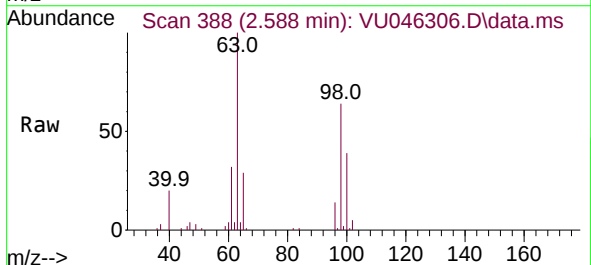
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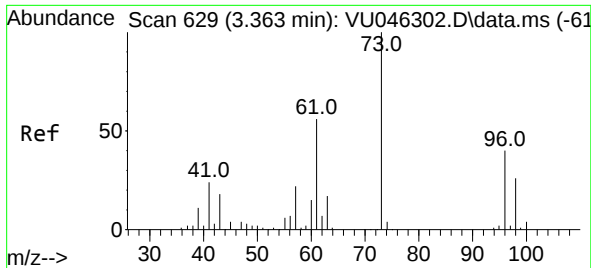
Tgt Ion:101 Resp: 609
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 6.230 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU046306.D
 Acq: 13 Dec 2021 11:45

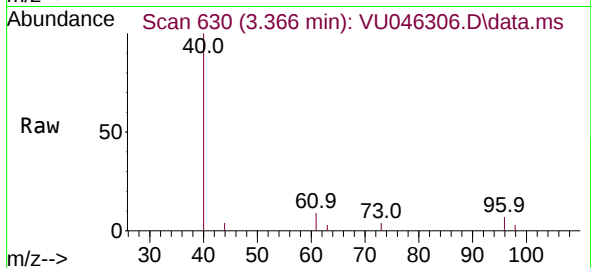
Tgt Ion: 96 Resp: 5764
 Ion Ratio Lower Upper
 96 100
 61 226.5 118.6 220.2#
 63 699.6 93.0 172.8#



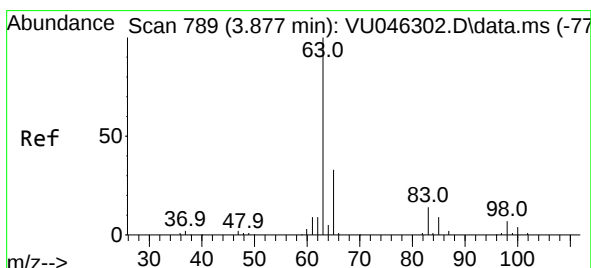
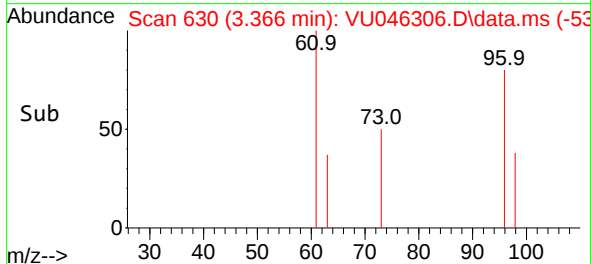
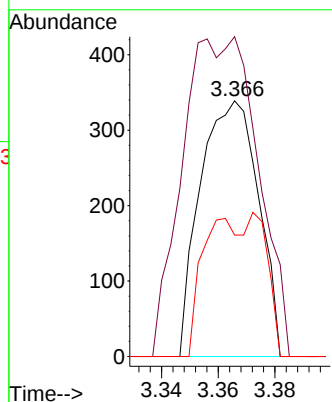


#17
trans-1,2-Dichloroethene
Concen: 0.492 ug/L
RT: 3.366 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU046306.D
Acq: 13 Dec 2021 11:45

Instrument :
MSVOA_W
ClientSampleId :

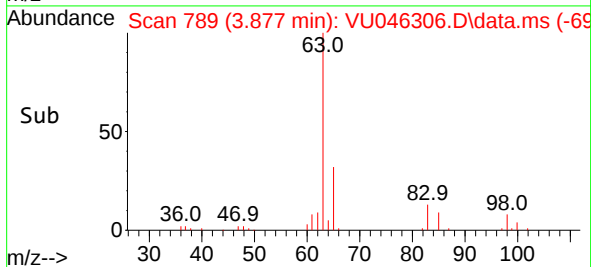
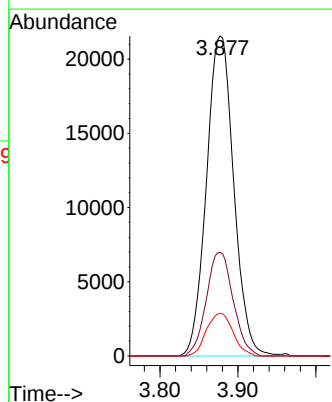
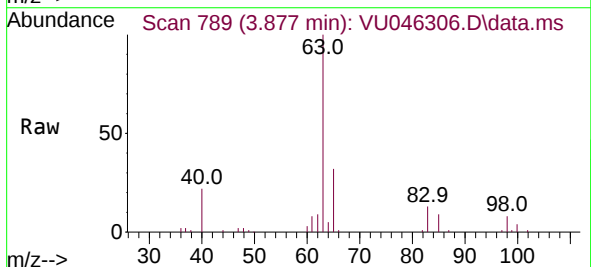


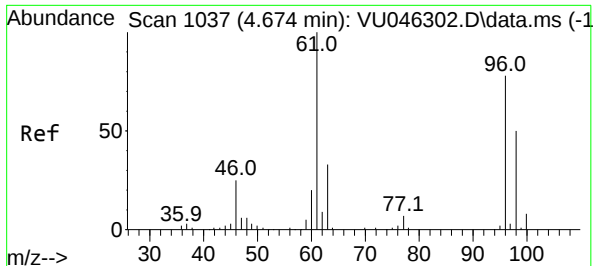
Tgt Ion: 96 Resp: 482
Ion Ratio Lower Upper
96 100
61 125.1 94.6 175.6
98 47.5 44.0 81.8



#19
1,1-Dichloroethane
Concen: 29.490 ug/L
RT: 3.877 min Scan# 789
Delta R.T. -0.000 min
Lab File: VU046306.D
Acq: 13 Dec 2021 11:45

Tgt Ion: 63 Resp: 52503
Ion Ratio Lower Upper
63 100
65 32.4 22.8 42.4
83 13.3 9.6 17.8

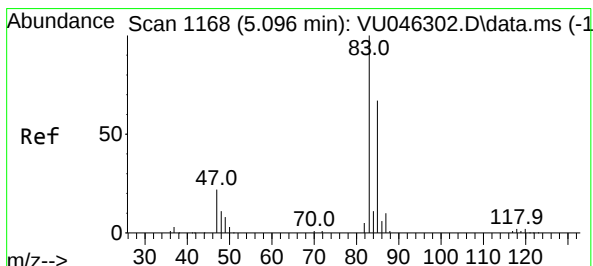
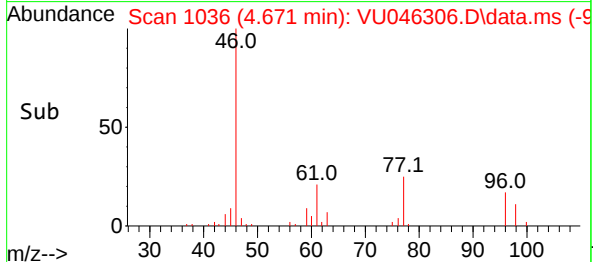
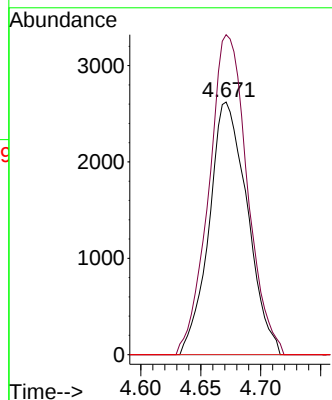
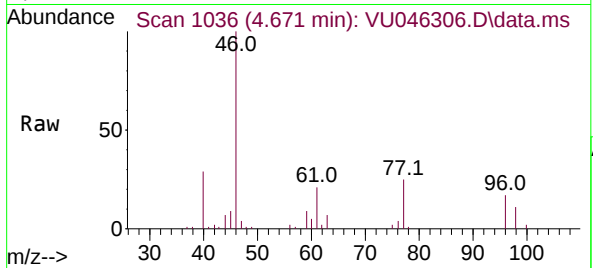




#20
cis-1,2-Dichloroethene
Concen: 5.462 ug/L
RT: 4.671 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VU046306.D
Acq: 13 Dec 2021 11:45

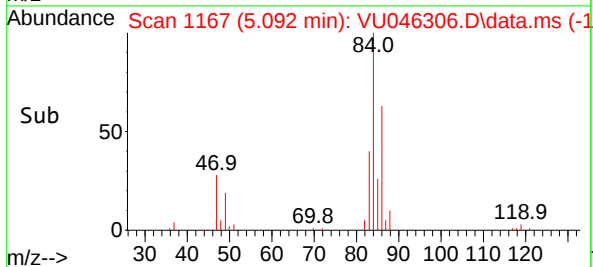
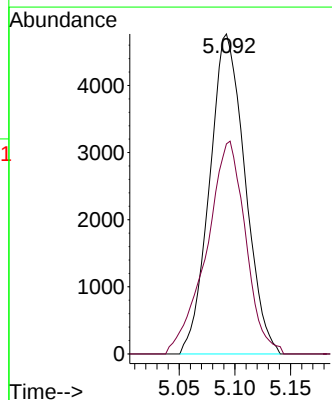
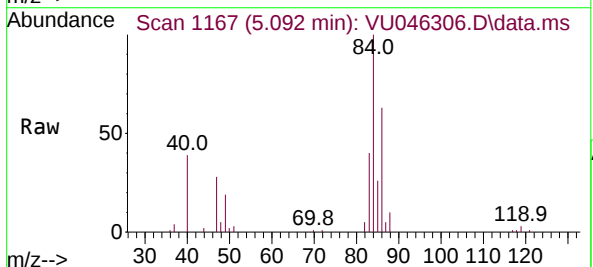
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ClientSampleId :

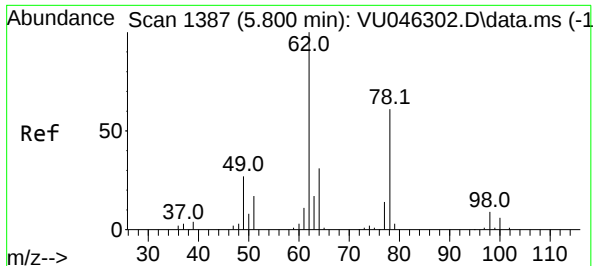
Tgt Ion: 96 Resp: 5803
Ion Ratio Lower Upper
96 100
61 126.7 86.8 161.2
68 0.0 0.0 0.0



#25
Chloroform
Concen: 5.328 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.003 min
Lab File: VU046306.D
Acq: 13 Dec 2021 11:45

Tgt Ion: 83 Resp: 10539
Ion Ratio Lower Upper
83 100
85 65.7 45.8 85.2

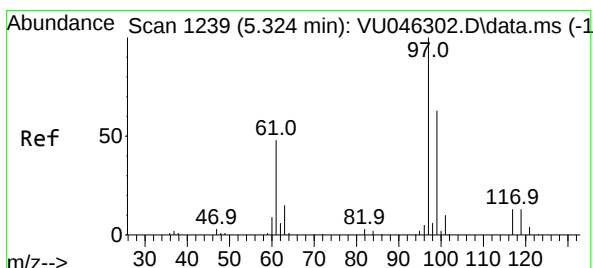
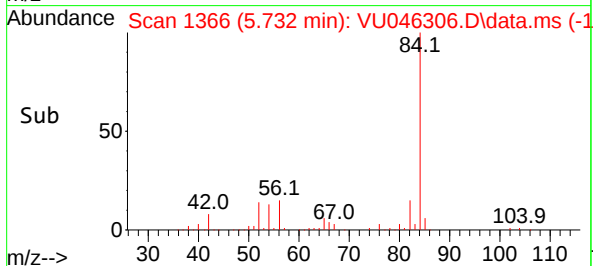
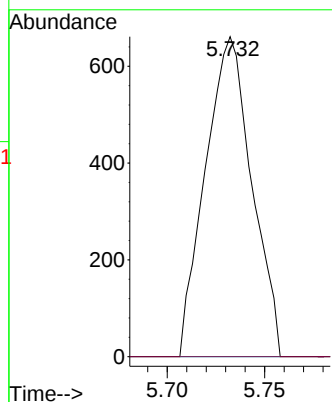
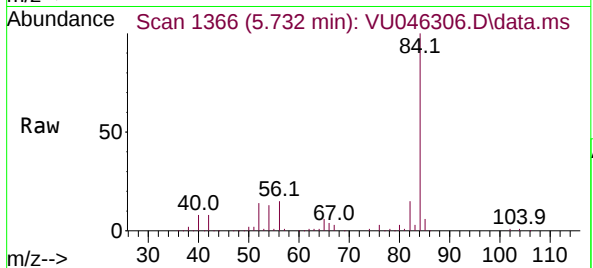




#27
1,2-Dichloroethane
Concen: 0.748 ug/L
RT: 5.732 min Scan# 11
Delta R.T. -0.068 min
Lab File: VU046306.D
Acq: 13 Dec 2021 11:45

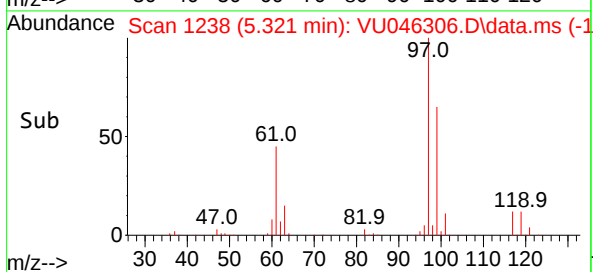
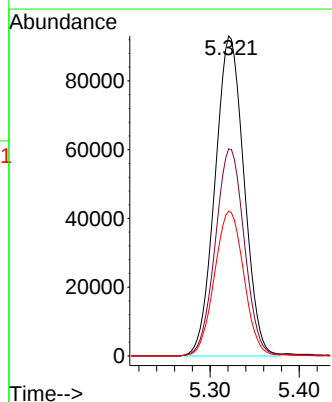
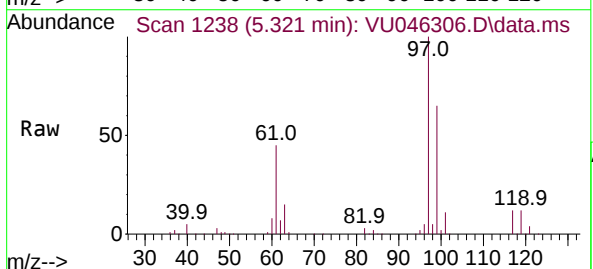
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ClientSampleId :

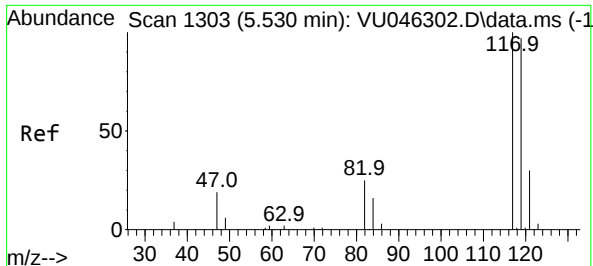
Tgt Ion: 62 Resp: 1098
Ion Ratio Lower Upper
62 100
98 0.0 7.9 11.9#



#30
1,1,1-Trichloroethane
Concen: 121.979 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.003 min
Lab File: VU046306.D
Acq: 13 Dec 2021 11:45

Tgt Ion: 97 Resp: 210386
Ion Ratio Lower Upper
97 100
99 65.0 51.8 77.6
61 45.9 34.4 51.6

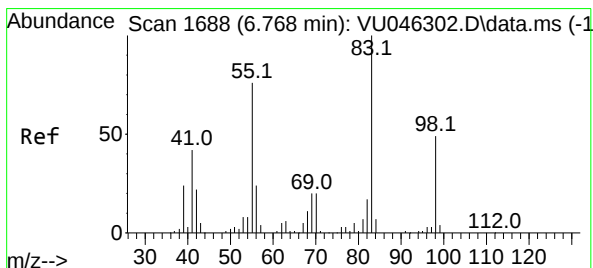
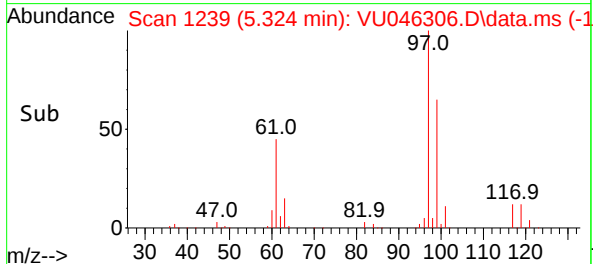
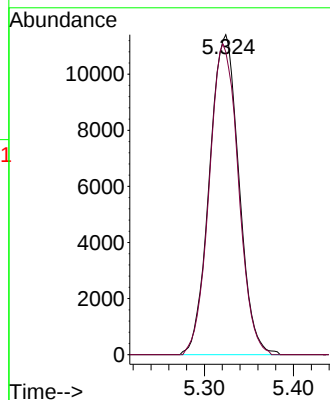
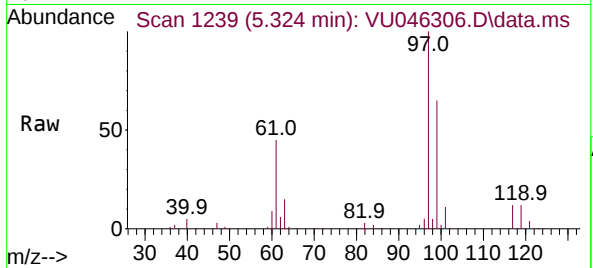




#31
Carbon tetrachloride
Concen: 17.880 ug/L
RT: 5.324 min Scan# 11
Delta R.T. -0.206 min
Lab File: VU046306.D
Acq: 13 Dec 2021 11:45

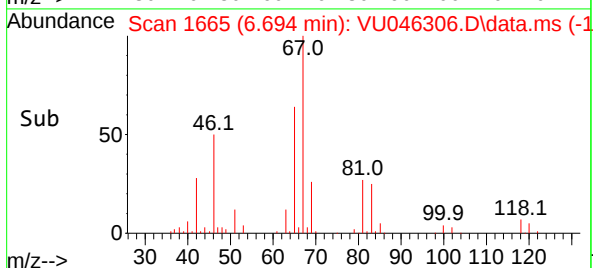
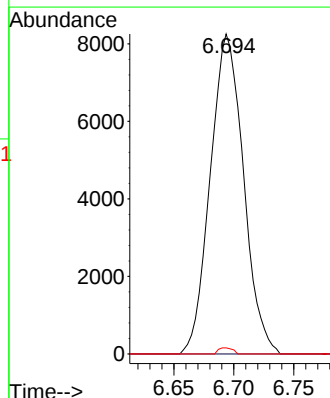
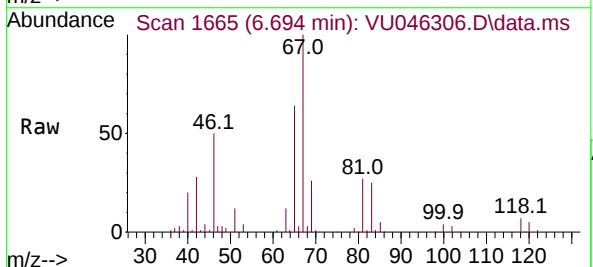
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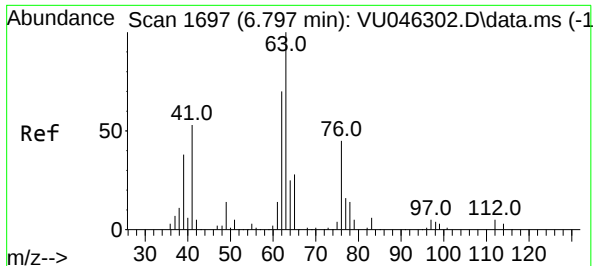
Tgt Ion:117 Resp: 26181
Ion Ratio Lower Upper
117 100
119 96.1 75.7 113.5



#35
Methylcyclohexane
Concen: 9.147 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046306.D
Acq: 13 Dec 2021 11:45

Tgt Ion: 83 Resp: 15890
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: 6.487 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046306.D

Acq: 13 Dec 2021 11:45

Instrument :

MSVOA_W

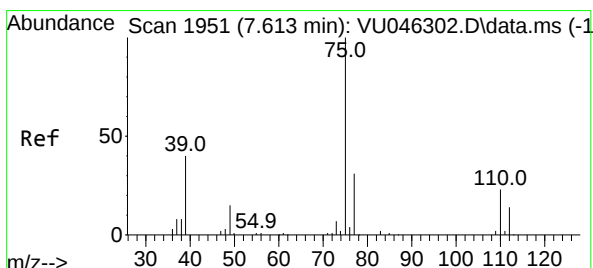
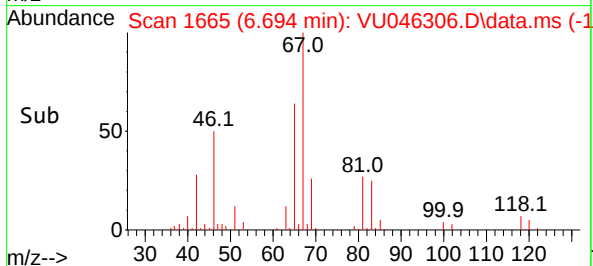
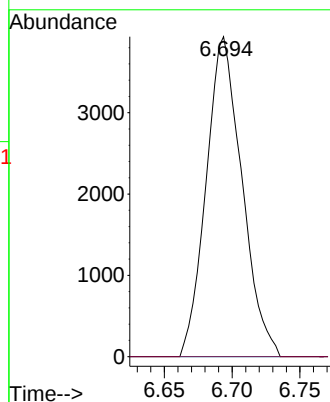
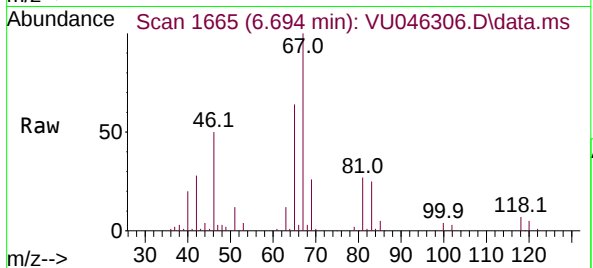
ClientSampleId :

Tgt Ion: 63 Resp: 7227

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 1.105 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.045 min

Lab File: VU046306.D

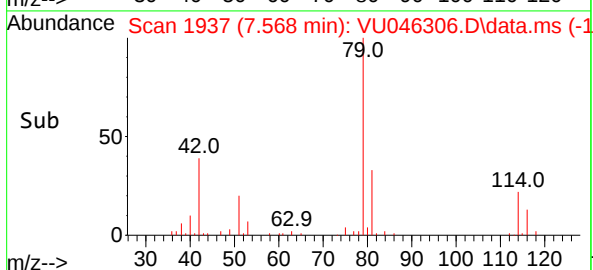
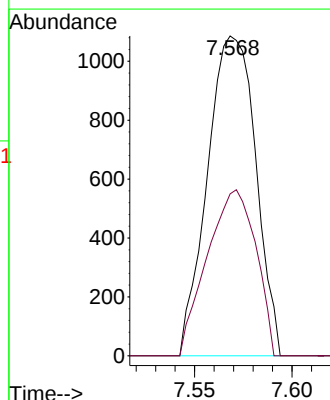
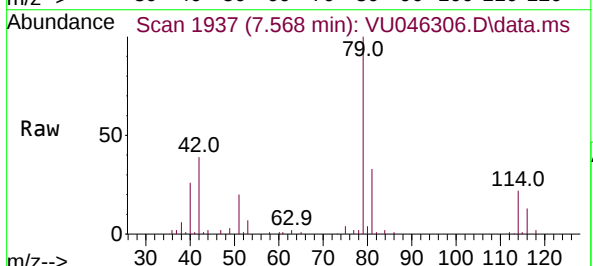
Acq: 13 Dec 2021 11:45

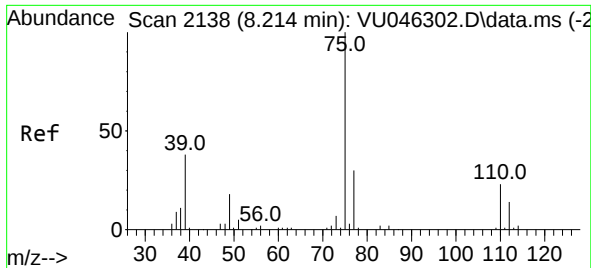
Tgt Ion: 75 Resp: 1873

Ion Ratio Lower Upper

75 100

77 50.6 21.8 40.6#

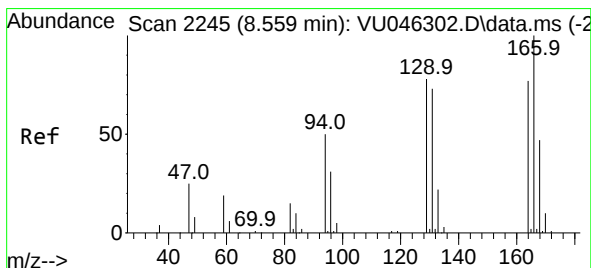
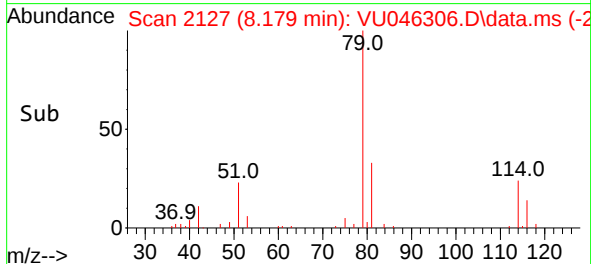
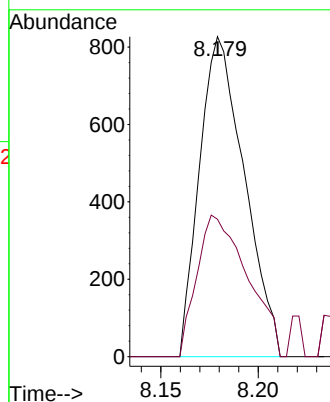
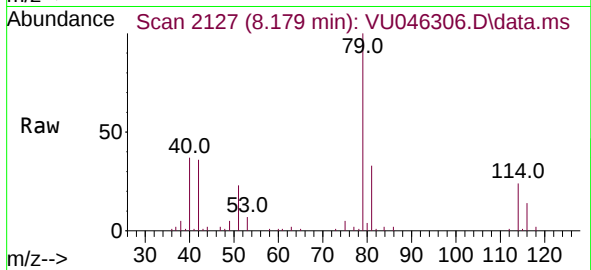




#44
trans-1,3-Dichloropropene
Concen: 0.796 ug/L
RT: 8.179 min Scan# 2138
Delta R.T. -0.035 min
Lab File: VU046306.D
Acq: 13 Dec 2021 11:45

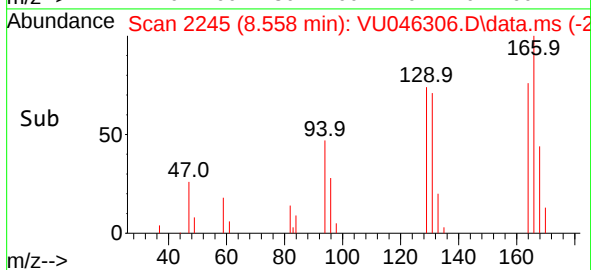
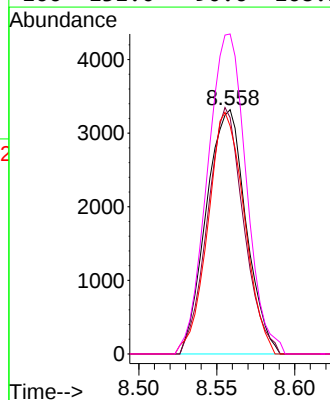
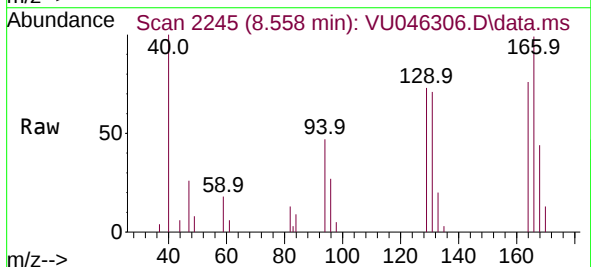
Instrument :
MSVOA_W
ClientSampleId :

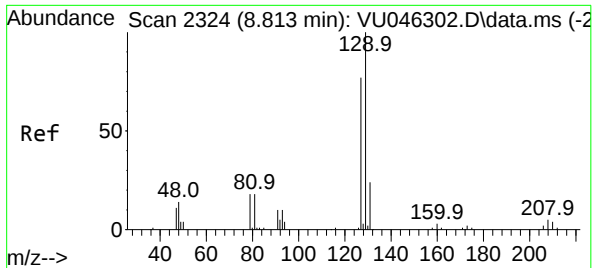
Tgt Ion: 75 Resp: 1325
Ion Ratio Lower Upper
75 100
77 42.9 21.7 40.3#



#46
Tetrachloroethene
Concen: 7.142 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.000 min
Lab File: VU046306.D
Acq: 13 Dec 2021 11:45

Tgt Ion: 164 Resp: 5880
Ion Ratio Lower Upper
164 100
129 96.7 71.1 132.1
131 93.3 67.8 126.0
166 131.0 90.6 168.2





#49

Dibromochloromethane

Concen: 4.598 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU046306.D

Acq: 13 Dec 2021 11:45

Instrument :

MSVOA_W

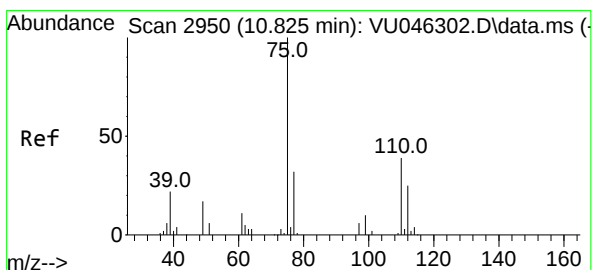
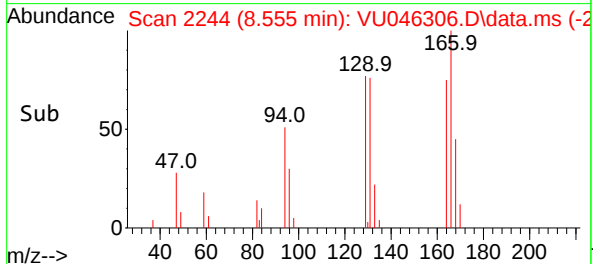
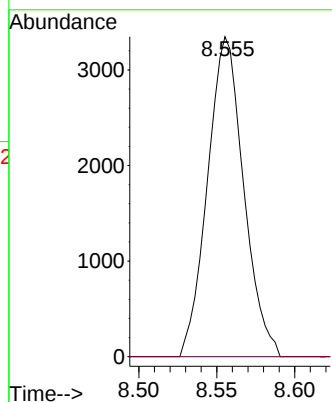
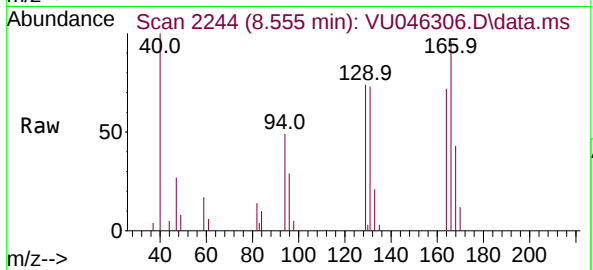
ClientSampleId :

Tgt Ion:129 Resp: 5396

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



#60

1,2,3-Trichloropropane

Concen: 6.001 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU046306.D

Acq: 13 Dec 2021 11:45

Tgt Ion: 75 Resp: 9029

Ion Ratio Lower Upper

75 100

77 27.9 26.4 39.6

110 1.4 32.4 48.6#

