

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
 Data File : VU046231.D
 Acq On : 09 Dec 2021 19:35
 Operator : SY/MD
 Sample : M4983-19
 Misc : 5.6mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 03:46:12 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

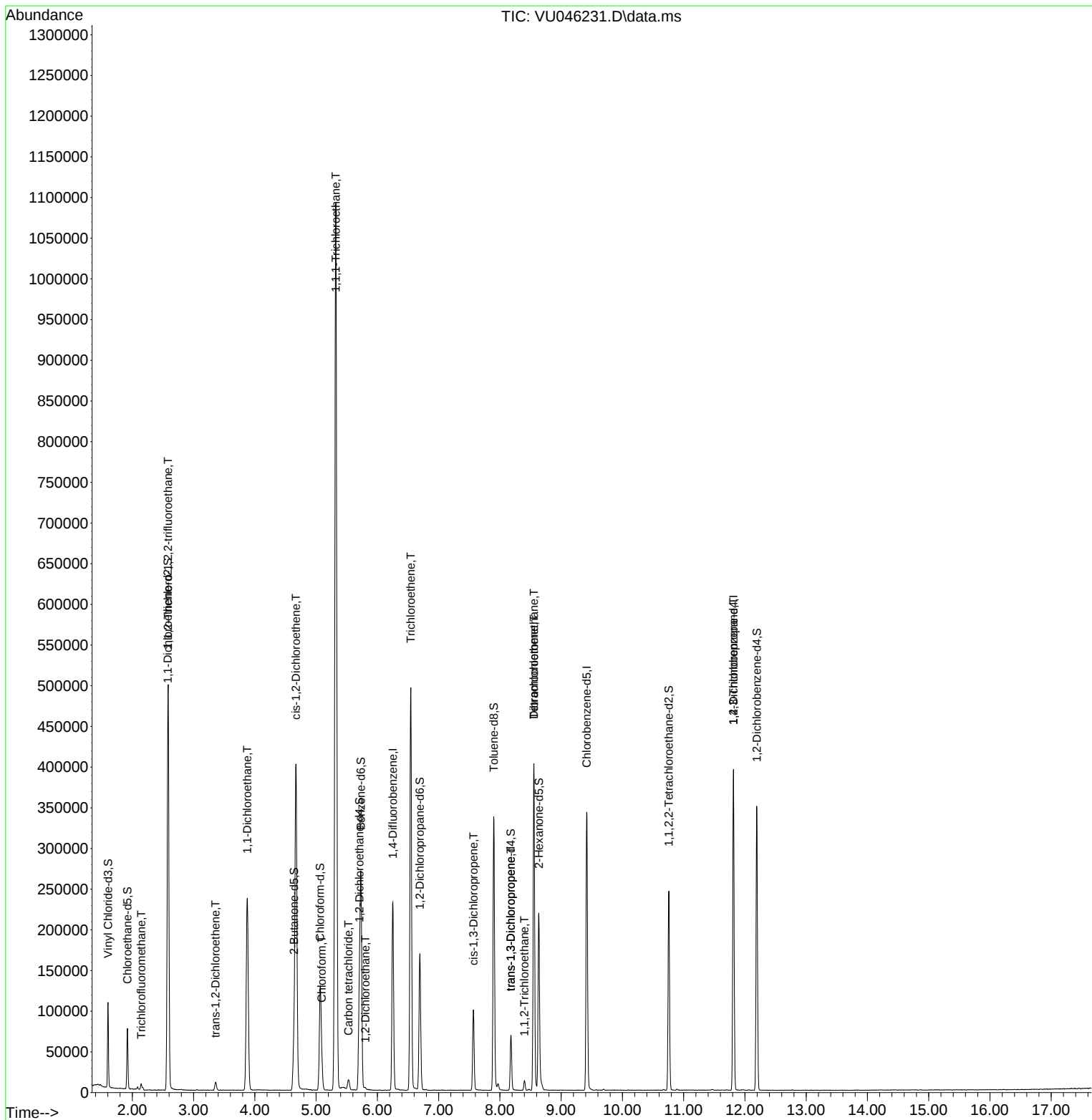
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

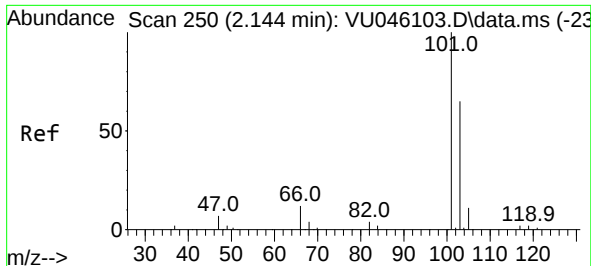
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	191428	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	197407	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	105042	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	71817	45.544	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.080%		
7) Chloroethane-d5	1.919	69	53590	44.263	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.520%		
11) 1,1-Dichloroethene-d2	2.578	63	168868	59.654	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	119.300%		
21) 2-Butanone-d5	4.642	46	114425	91.281	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	91.280%		
24) Chloroform-d	5.067	84	116141	44.104	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.200%		
26) 1,2-Dichloroethane-d4	5.706	65	80076	45.311	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.620%		
32) Benzene-d6	5.732	84	257286	45.473	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.940%		
36) 1,2-Dichloropropane-d6	6.694	67	79536	45.358	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.720%		
41) Toluene-d8	7.899	98	228796	44.412	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.820%		
43) trans-1,3-Dichloroprop...	8.179	79	38943	46.006	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.020%		
47) 2-Hexanone-d5	8.636	63	80551	96.885	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	96.880%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	121951	45.859	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.720%		
66) 1,2-Dichlorobenzene-d4	12.195	152	93265	46.104	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.200%		
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.144	101	4764	1.943	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	1254	0.900	ug/L #	21
17) trans-1,2-Dichloroethene	3.359	96	4490	3.205	ug/L	95
19) 1,1-Dichloroethane	3.877	63	274343	107.719	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	204289	134.411	ug/L	99
25) Chloroform	5.092	83	22926	8.102	ug/L	99
27) 1,2-Dichloroethane	5.803	62	1914	0.912	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	815782	336.657	ug/L	99
31) Carbon tetrachloride	5.530	117	8771	4.264	ug/L	91
34) Trichloroethene	6.546	95	170186	108.123	ug/L	99
39) cis-1,3-Dichloropropene	7.568	75	2389	1.003	ug/L #	61
44) trans-1,3-Dichloropropene	8.179	75	1730	0.740	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	3647	2.323	ug/L	95
46) Tetrachloroethene	8.555	164	89589	77.452	ug/L	97
49) Dibromochloromethane	8.555	129	85119	51.621	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	12169	5.285	ug/L #	65

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

Instrument :
MSVOA_U
ClientSampleId :

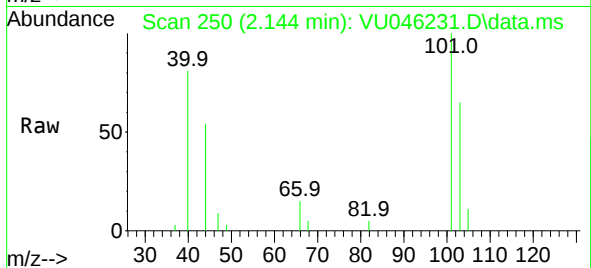
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Quant Title : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
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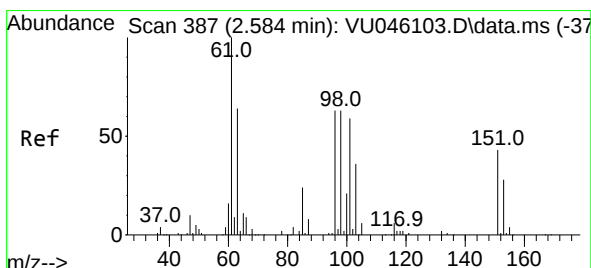
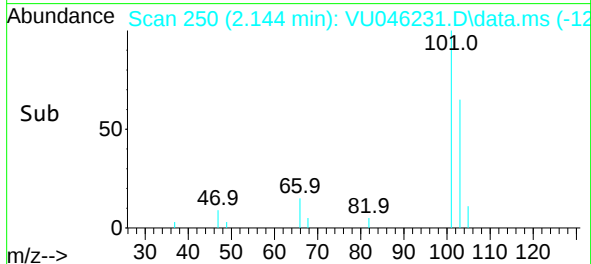
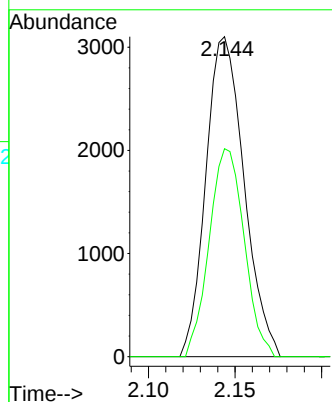


#9
 Trichlorofluoromethane
 Concen: 1.943 ug/L
 RT: 2.144 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU046231.D
 Acq: 09 Dec 2021 19:35

Instrument :
 MSVOA_U
 ClientSampleId :

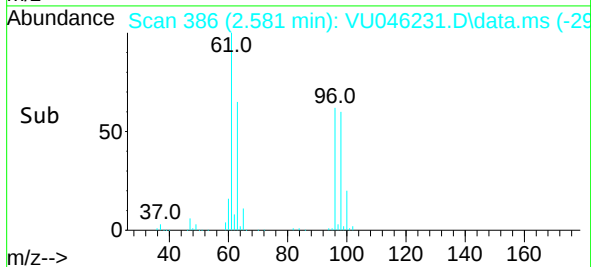
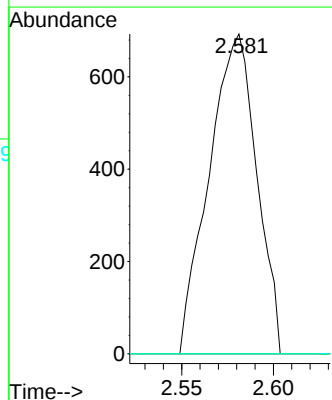
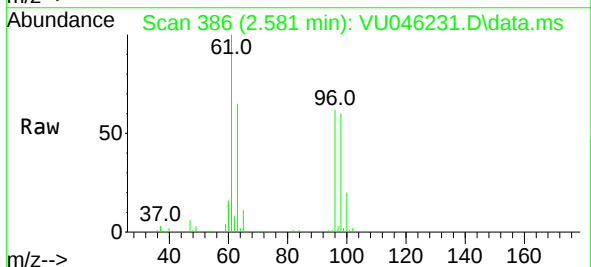


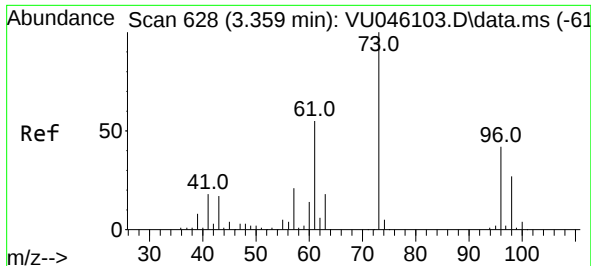
Tgt Ion:101 Resp: 4764
 Ion Ratio Lower Upper
 101 100
 103 59.4 51.8 77.6



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.900 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.006 min
 Lab File: VU046231.D
 Acq: 09 Dec 2021 19:35

Tgt Ion:101 Resp: 1254
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#





#17

trans-1,2-Dichloroethene

Concen: 3.205 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.000 min

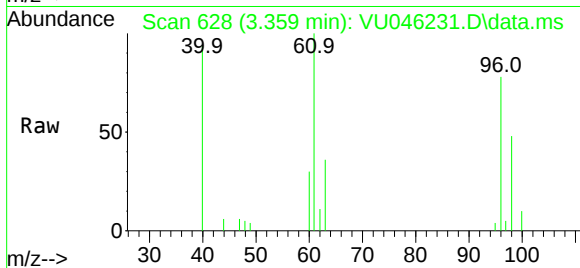
Lab File: VU046231.D

Acq: 09 Dec 2021 19:35

Instrument :

MSVOA_U

ClientSampleId :



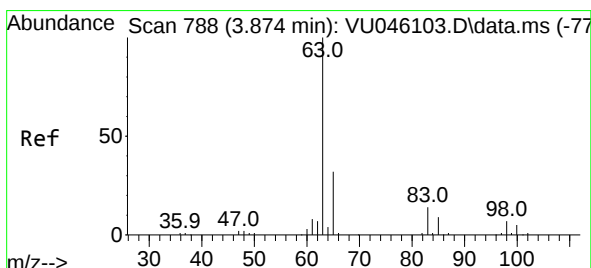
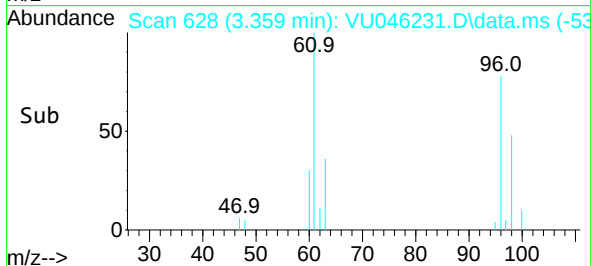
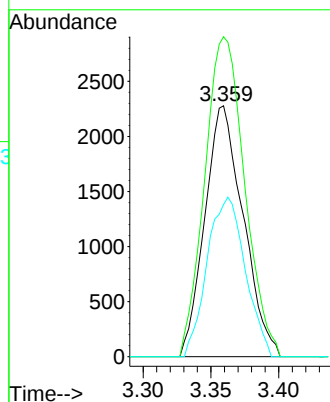
Tgt Ion: 96 Resp: 4490

Ion Ratio Lower Upper

96 100

61 127.6 94.6 175.6

98 60.7 44.0 81.8



#19

1,1-Dichloroethane

Concen: 107.719 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU046231.D

Acq: 09 Dec 2021 19:35

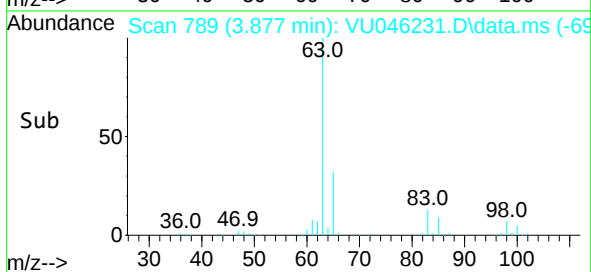
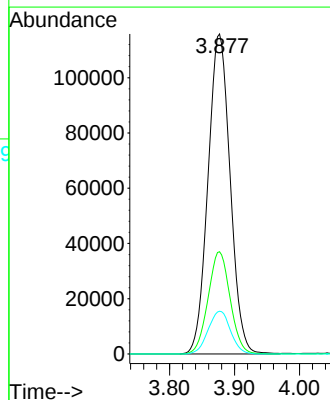
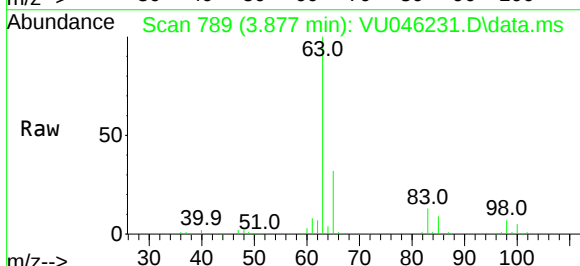
Tgt Ion: 63 Resp: 274343

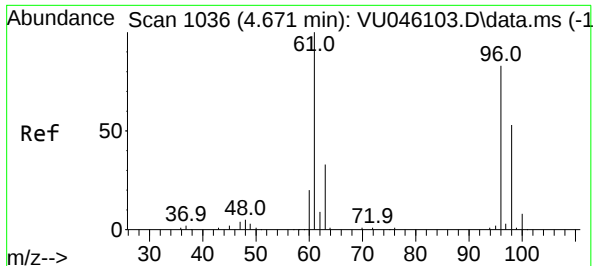
Ion Ratio Lower Upper

63 100

65 32.0 22.8 42.4

83 13.3 9.6 17.8

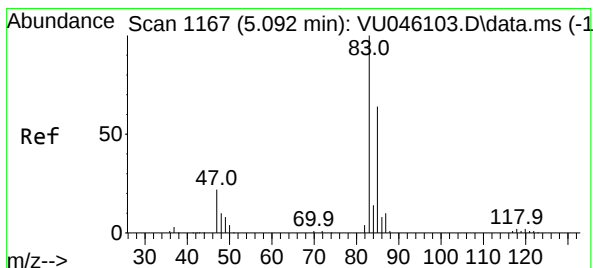
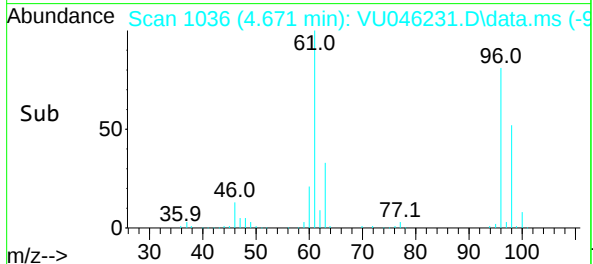
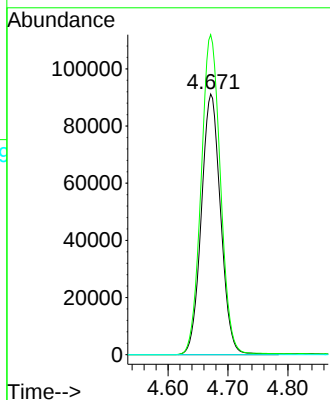
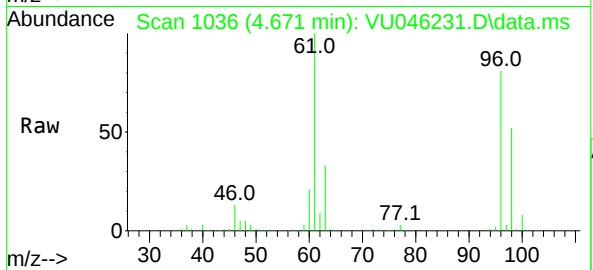




#20
cis-1,2-Dichloroethene
Concen: 134.411 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU046231.D
Acq: 09 Dec 2021 19:35

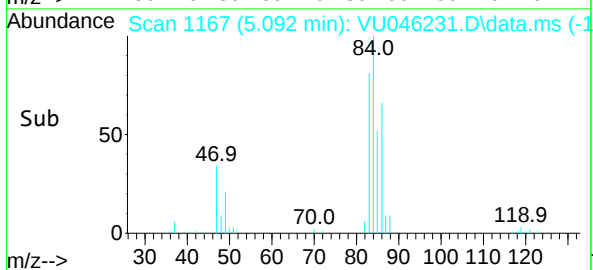
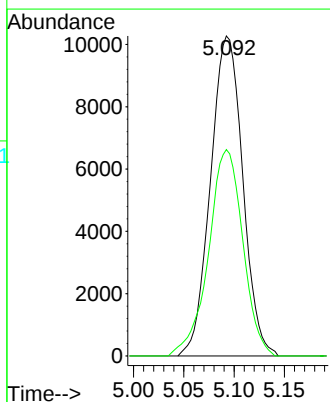
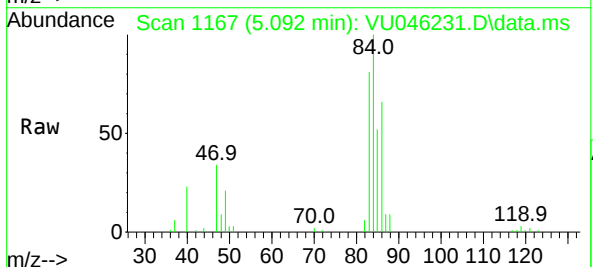
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MSVOA_U
ClientSampleId :

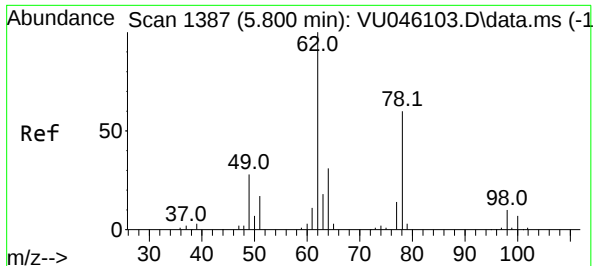
Tgt Ion: 96 Resp: 204289
Ion Ratio Lower Upper
96 100
61 122.8 86.8 161.2
68 0.0 0.0 0.0



#25
Chloroform
Concen: 8.102 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VU046231.D
Acq: 09 Dec 2021 19:35

Tgt Ion: 83 Resp: 22926
Ion Ratio Lower Upper
83 100
85 64.5 45.8 85.2

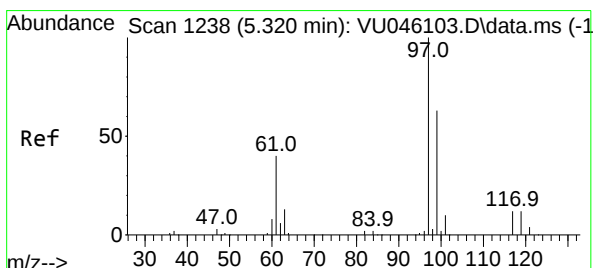
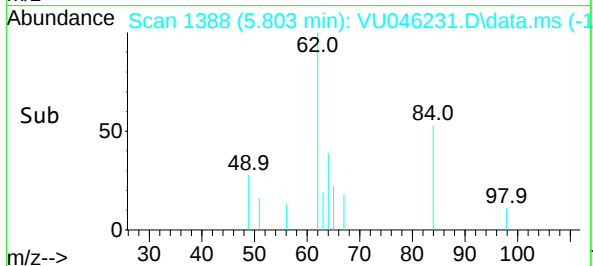
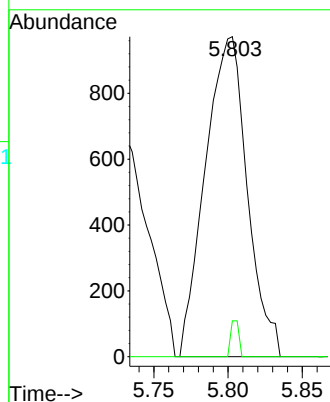
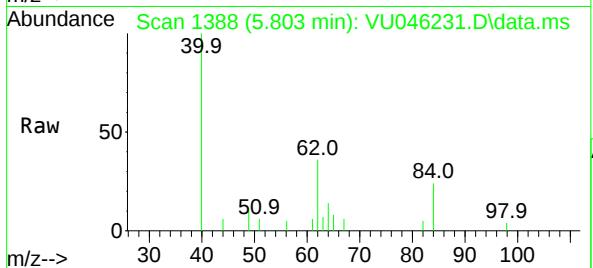




#27
1,2-Dichloroethane
Concen: 0.912 ug/L
RT: 5.803 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU046231.D
Acq: 09 Dec 2021 19:35

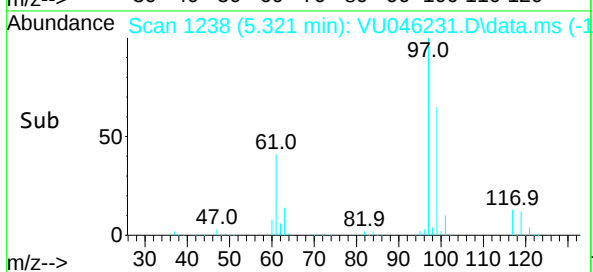
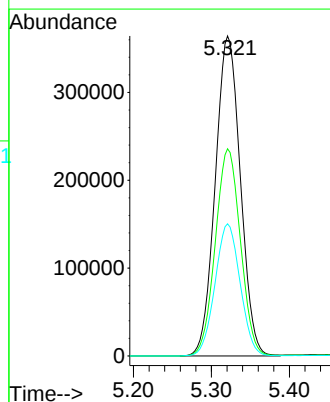
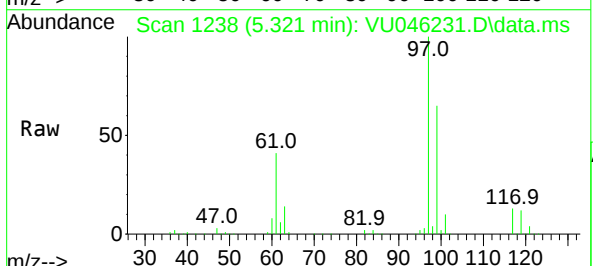
Instrument :
MSVOA_U
ClientSampleId :

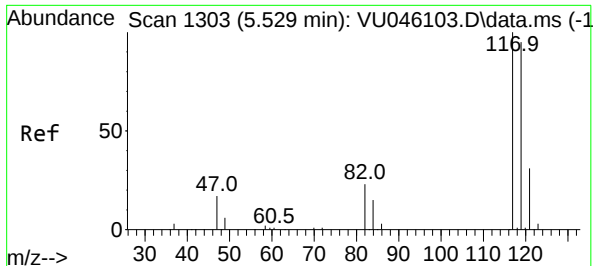
Tgt Ion: 62 Resp: 1914
Ion Ratio Lower Upper
62 100
98 11.2 7.9 11.9



#30
1,1,1-Trichloroethane
Concen: 336.657 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VU046231.D
Acq: 09 Dec 2021 19:35

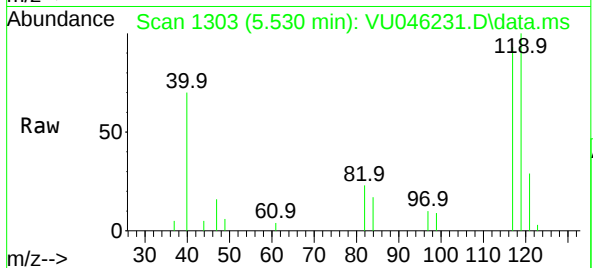
Tgt Ion: 97 Resp: 815782
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.6
61 41.3 34.4 51.6



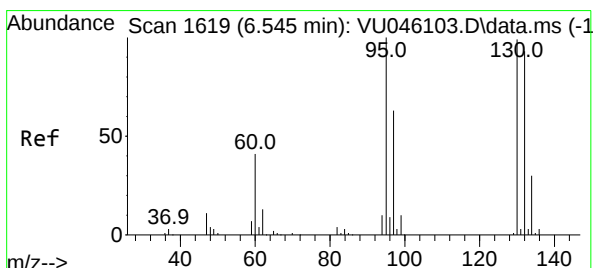
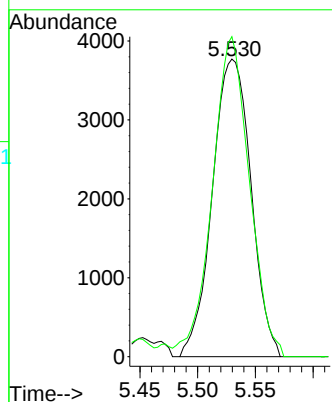
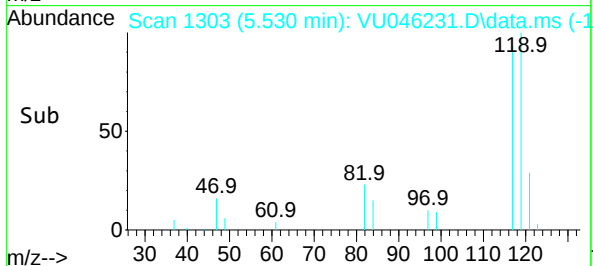


#31
Carbon tetrachloride
Concen: 4.264 ug/L
RT: 5.530 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU046231.D
Acq: 09 Dec 2021 19:35

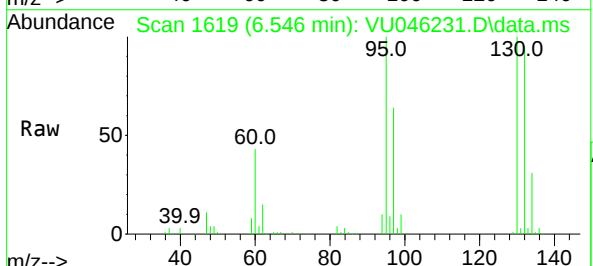
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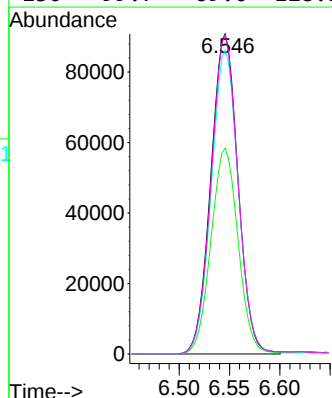
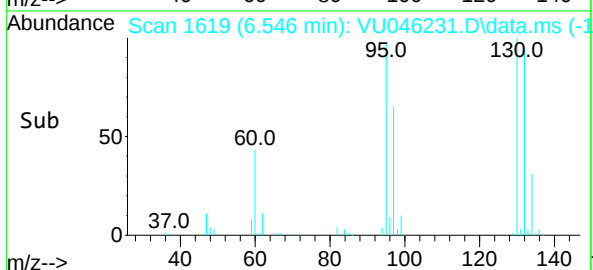
Tgt Ion:117 Resp: 8771
Ion Ratio Lower Upper
117 100
119 103.1 75.7 113.5

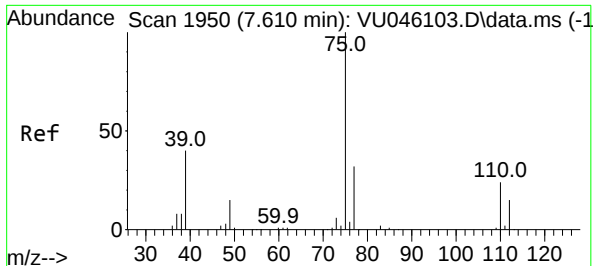


#34
Trichloroethene
Concen: 108.123 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046231.D
Acq: 09 Dec 2021 19:35



Tgt Ion: 95 Resp: 170186
Ion Ratio Lower Upper
95 100
97 64.3 44.1 81.9
132 95.0 66.8 124.0
130 99.7 69.0 128.1





#39

cis-1,3-Dichloropropene

Concen: 1.003 ug/L

RT: 7.568 min Scan# 19

Delta R.T. -0.042 min

Lab File: VU046231.D

Acq: 09 Dec 2021 19:35

Instrument :

MSVOA_U

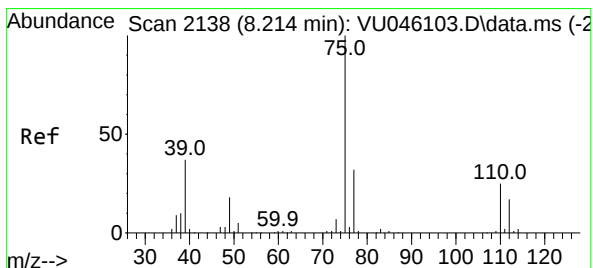
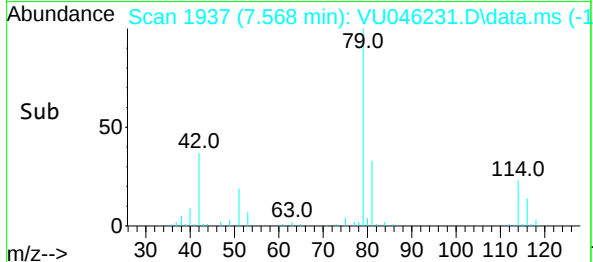
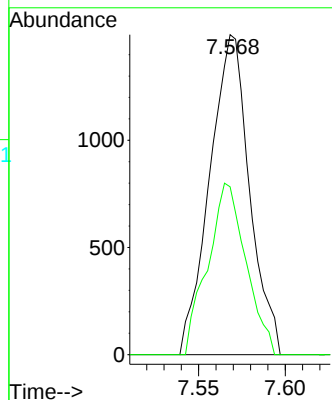
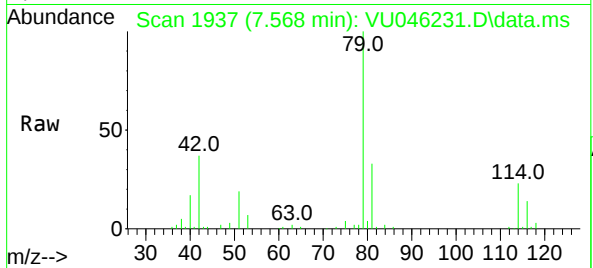
ClientSampleId :

Tgt Ion: 75 Resp: 2389

Ion Ratio Lower Upper

75 100

77 52.4 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.740 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.035 min

Lab File: VU046231.D

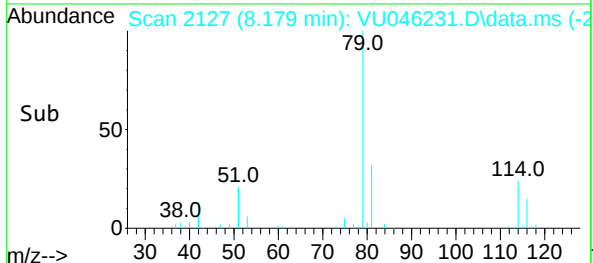
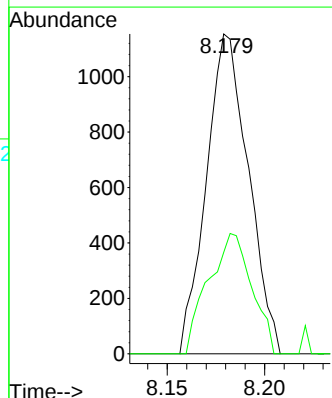
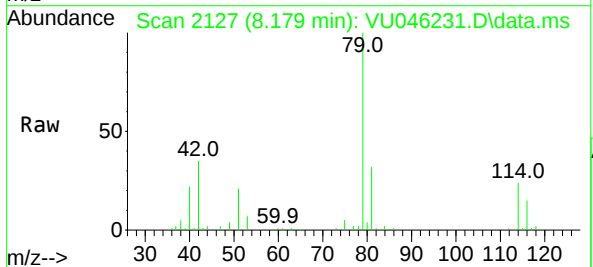
Acq: 09 Dec 2021 19:35

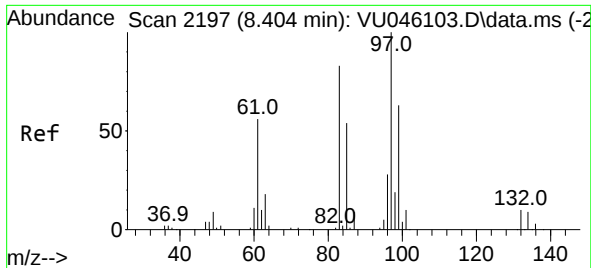
Tgt Ion: 75 Resp: 1730

Ion Ratio Lower Upper

75 100

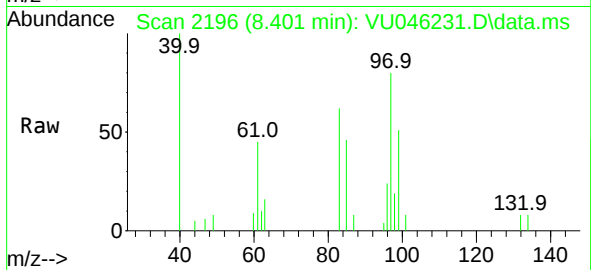
77 31.7 21.7 40.3



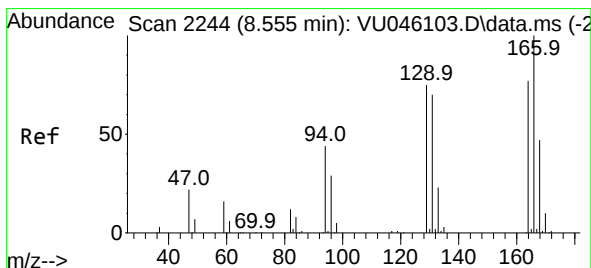
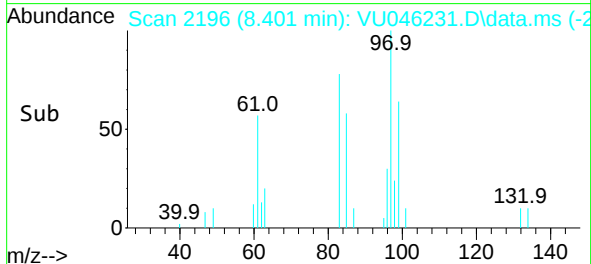
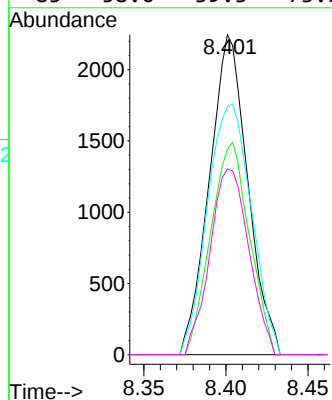


#45
1,1,2-Trichloroethane
Concen: 2.323 ug/L
RT: 8.401 min Scan# 2197
Delta R.T. -0.003 min
Lab File: VU046231.D
Acq: 09 Dec 2021 19:35

Instrument :
MSVOA_U
ClientSampleId :

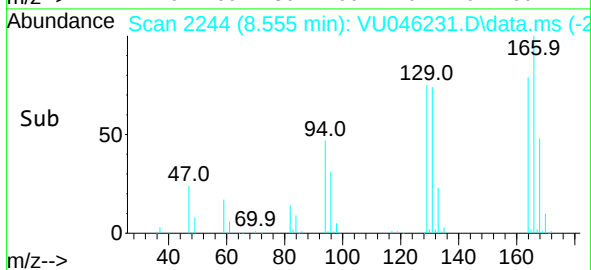
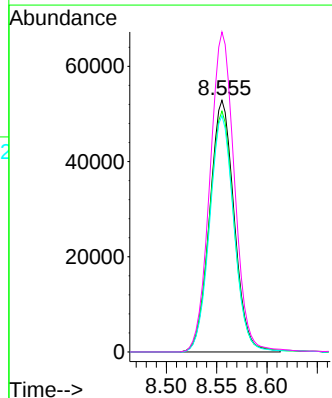
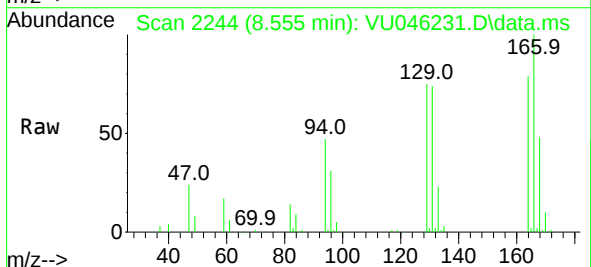


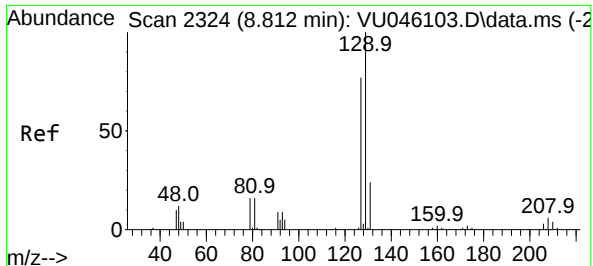
Tgt Ion: 97	Resp: 3647
Ion Ratio	Lower Upper
97	100
99	64.2 44.7 82.9
83	77.6 60.2 111.8
85	58.0 39.3 73.1



#46
Tetrachloroethene
Concen: 77.452 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046231.D
Acq: 09 Dec 2021 19:35

Tgt Ion: 164	Resp: 89589
Ion Ratio	Lower Upper
164	100
129	95.7 71.1 132.1
131	93.9 67.8 126.0
166	127.2 90.6 168.2





#49

Dibromochloromethane

Concen: 51.621 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min MSVOA_U

Lab File: VU046231.D

Acq: 09 Dec 2021 19:35

Instrument :

MSVOA_U

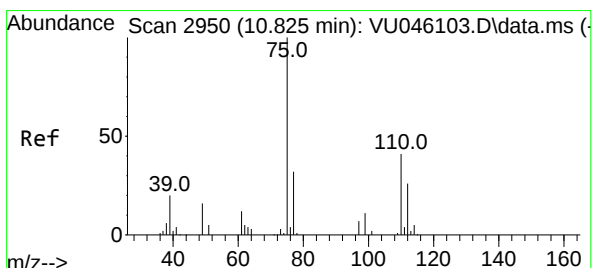
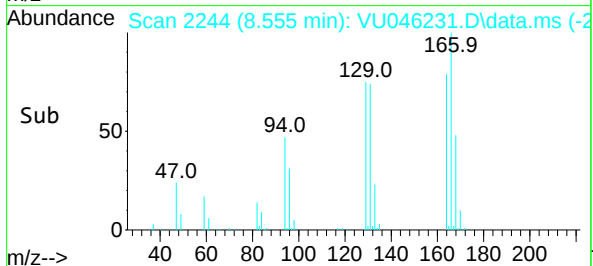
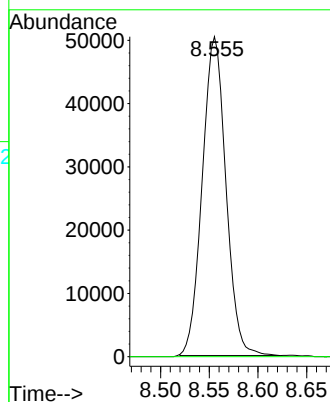
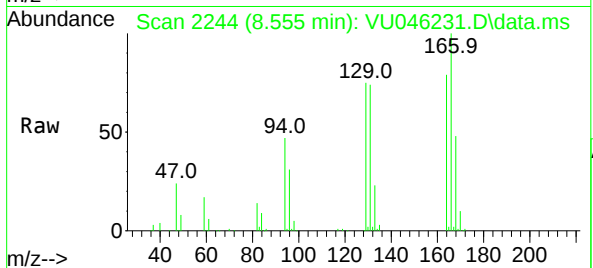
ClientSampleId :

Tgt Ion:129 Resp: 85119

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



#60

1,2,3-Trichloropropane

Concen: 5.285 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU046231.D

Acq: 09 Dec 2021 19:35

Tgt Ion: 75 Resp: 12169

Ion Ratio Lower Upper

75 100

77 33.9 26.4 39.6

110 2.2 32.4 48.6#

