

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121721\
 Data File : VU046465.D
 Acq On : 17 Dec 2021 12:40
 Operator : SY/MD
 Sample : M5101-13ME
 Misc : 6.93g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 13:25:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 17 03:50:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	155354	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	160395	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	77856	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	48395	37.817	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	75.640%		
7) Chloroethane-d5	1.916	69	24807	25.247	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	50.500%#		
11) 1,1-Dichloroethene-d2	2.546	63	67139	29.225	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery =	58.440%#		
21) 2-Butanone-d5	4.655	46	66910	65.771	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	65.770%		
24) Chloroform-d	5.064	84	91693	42.906	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.820%		
26) 1,2-Dichloroethane-d4	5.703	65	63393	44.200	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.400%		
32) Benzene-d6	5.723	84	183021	39.811	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.620%		
36) 1,2-Dichloropropane-d6	6.694	67	57880	40.625	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	81.240%		
41) Toluene-d8	7.899	98	161912	38.682	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	77.360%#		
43) trans-1,3-Dichloroprop...	8.186	79	28307	41.157	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.320%		
47) 2-Hexanone-d5	8.684	63	56136	83.099	ug/L	0.05
Spiked Amount 100.000	Range 45 - 130		Recovery =	83.100%		
56) 1,1,2,2-Tetrachloroeth...	10.774	84	84446	39.083	ug/L	0.02
Spiked Amount 50.000	Range 65 - 120		Recovery =	78.160%		
66) 1,2-Dichlorobenzene-d4	12.201	152	61333	40.906	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	81.820%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.552	101	877	0.776	ug/L #	43
12) 1,1-Dichloroethene	2.562	96	3310	3.081	ug/L #	1
19) 1,1-Dichloroethane	3.867	63	1317	0.637	ug/L #	87
22) 2-Butanone	4.739	43	8282	5.984	ug/L	75
27) 1,2-Dichloroethane	5.726	62	1000	0.587	ug/L #	73
30) 1,1,1-Trichloroethane	5.314	97	109768	55.752	ug/L	100
31) Carbon tetrachloride	5.311	117	13716	8.206	ug/L	99
34) Trichloroethene	6.543	95	17908	14.003	ug/L	96
35) Methylcyclohexane	6.694	83	13884	7.002	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6451	5.073	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1785	0.923	ug/L #	51
42) Toluene	7.973	91	6816	1.308	ug/L	97
45) 1,1,2-Trichloroethane	8.552	97	1764	1.383	ug/L #	8
46) Tetrachloroethene	8.555	164	179589	191.087	ug/L	97
49) Dibromochloromethane	8.552	129	176056	131.408	ug/L #	10
60) 1,2,3-Trichloropropane	11.819	75	9349	5.478	ug/L #	65

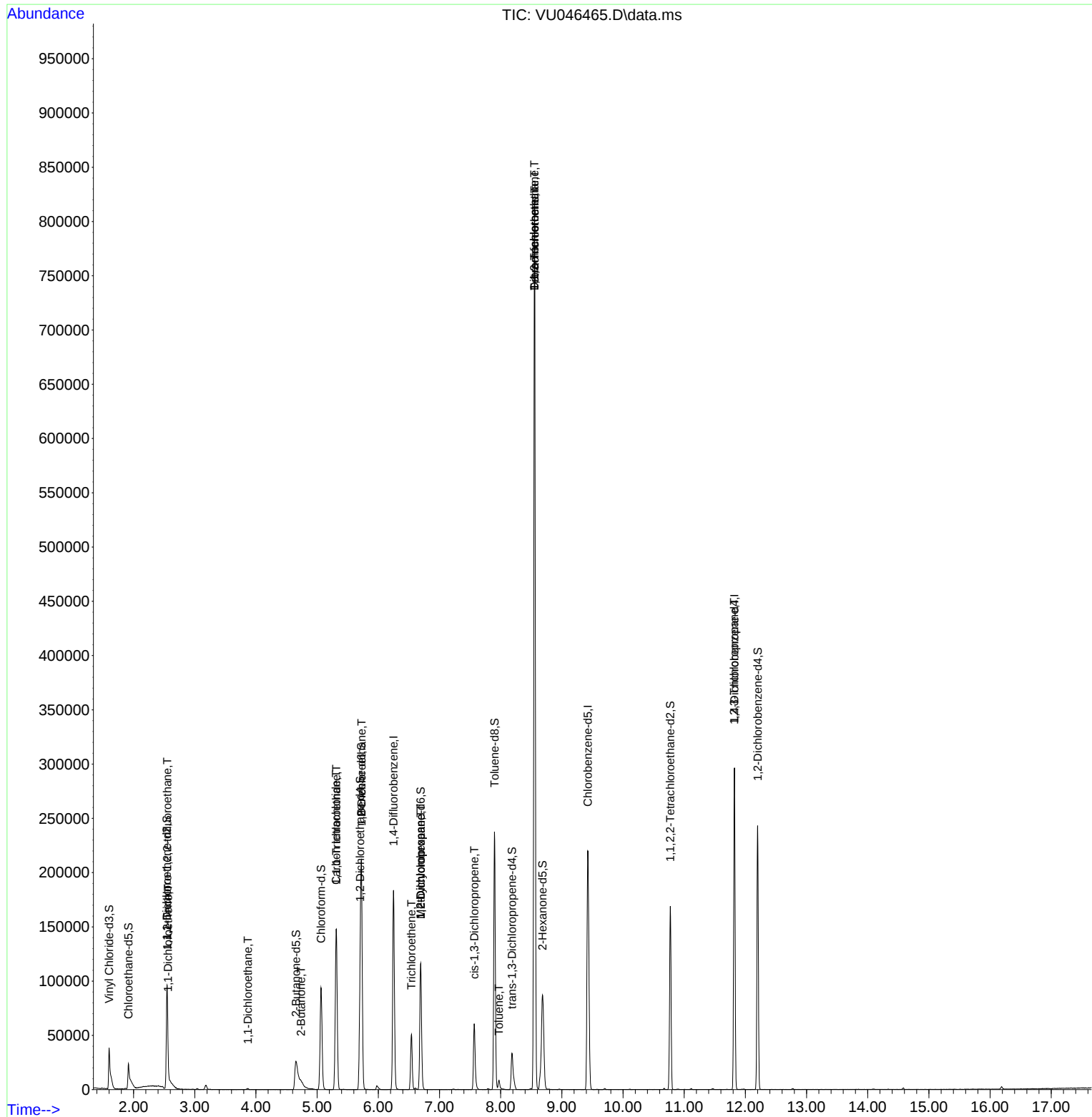
(#) = qualifier out of range (m) = manual integration (+) = signals summed

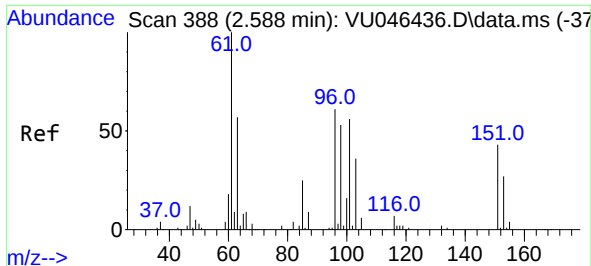
Instrument :
MSVOA_U
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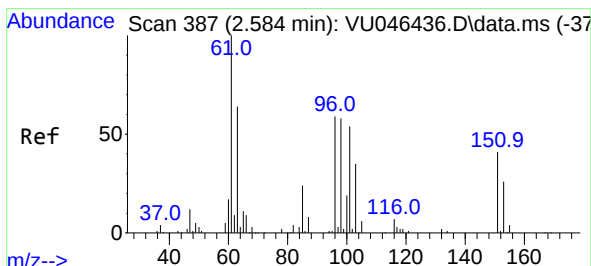
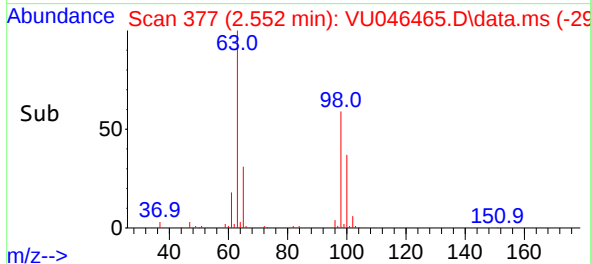
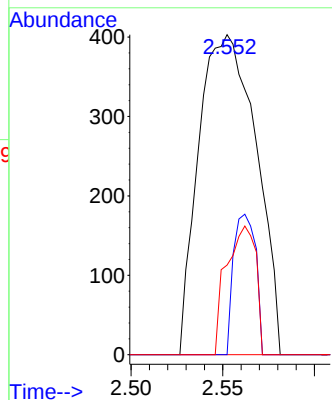
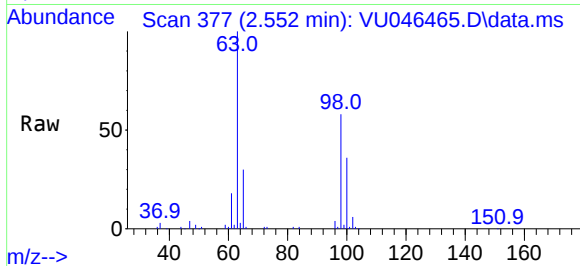




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.776 ug/L
RT: 2.552 min Scan# 31
Delta R.T. -0.035 min
Lab File: VU046465.D
Acq: 17 Dec 2021 12:40

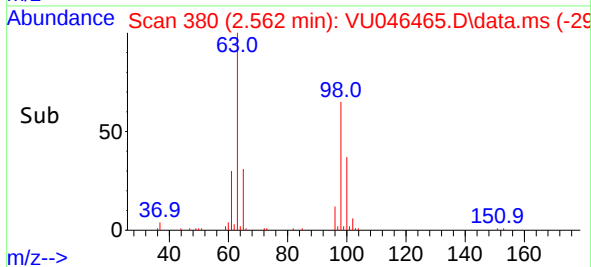
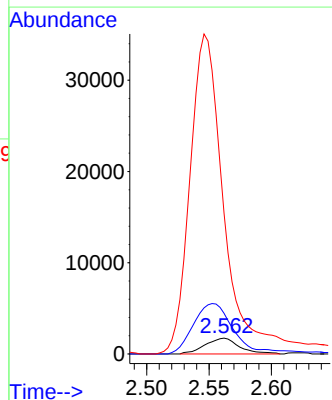
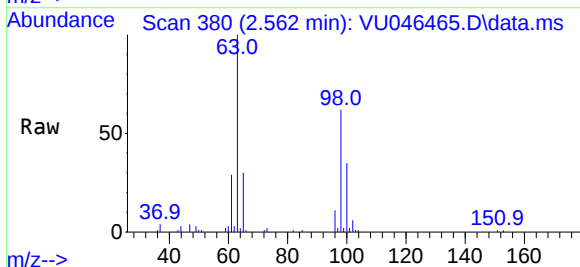
Instrument :
MSVOA_U
ClientSampleId :

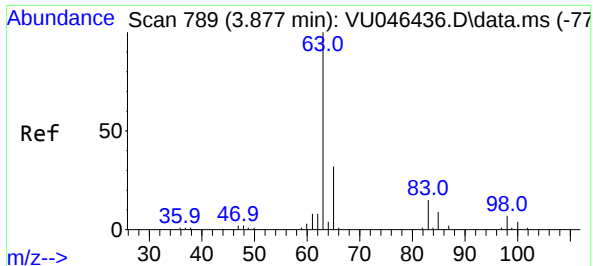
Tgt Ion:101 Resp: 877
Ion Ratio Lower Upper
101 100
85 16.9 35.1 52.7#
151 15.7 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 3.081 ug/L
RT: 2.562 min Scan# 380
Delta R.T. -0.022 min
Lab File: VU046465.D
Acq: 17 Dec 2021 12:40

Tgt Ion: 96 Resp: 3310
Ion Ratio Lower Upper
96 100
61 257.5 118.6 220.2#
63 892.8 93.0 172.8#





#19

1,1-Dichloroethane

Concen: 0.637 ug/L

RT: 3.867 min Scan# 71

Delta R.T. -0.009 min

Lab File: VU046465.D

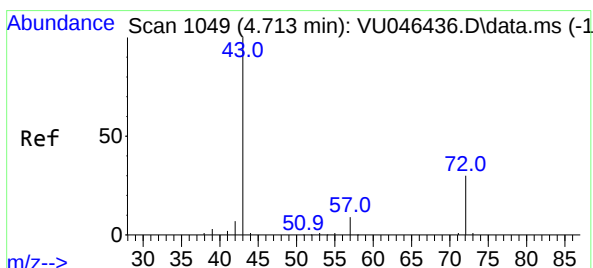
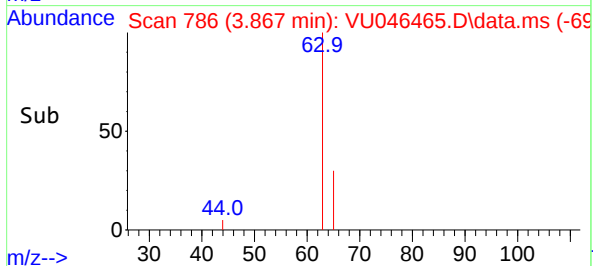
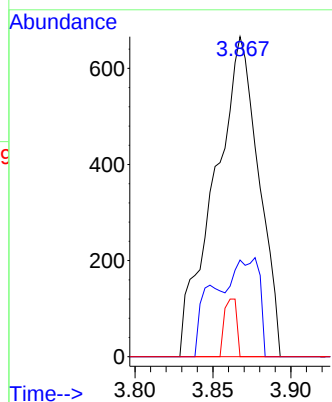
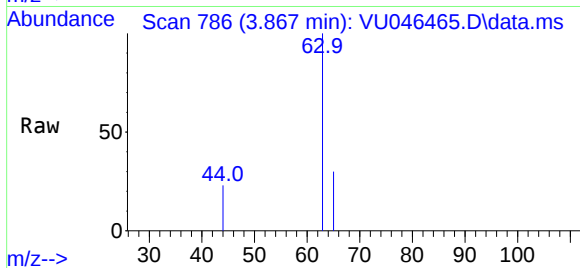
Acq: 17 Dec 2021 12:40

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 1317
Ion Ratio	Lower Upper
63 100	
65 30.2	22.8 42.4
83 0.0	9.6 17.8#



#22

2-Butanone

Concen: 5.984 ug/L

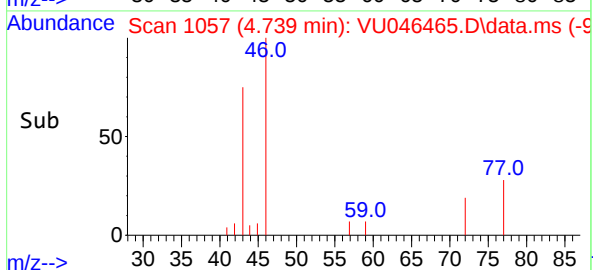
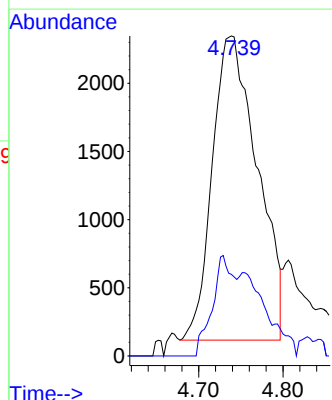
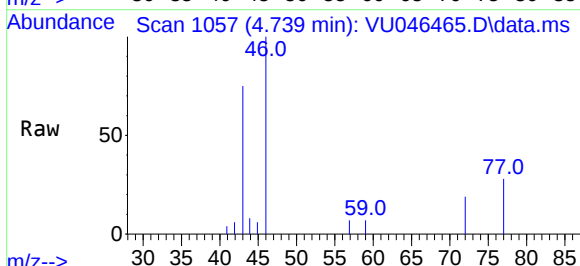
RT: 4.739 min Scan# 1057

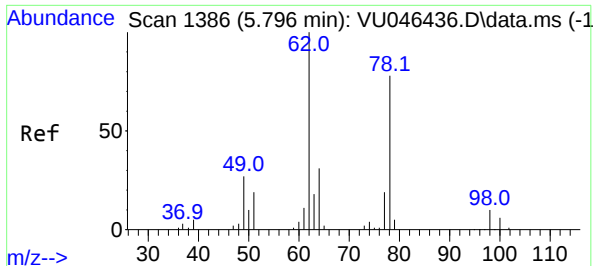
Delta R.T. 0.026 min

Lab File: VU046465.D

Acq: 17 Dec 2021 12:40

Tgt Ion: 43	Resp: 8282
Ion Ratio	Lower Upper
43 100	
72 16.0	14.5 43.6

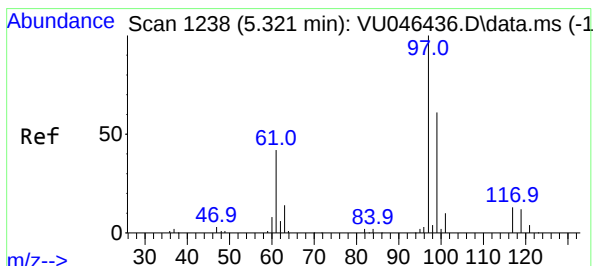
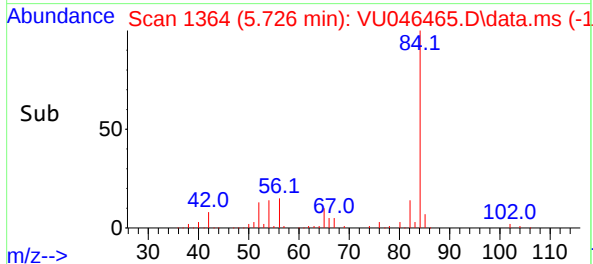
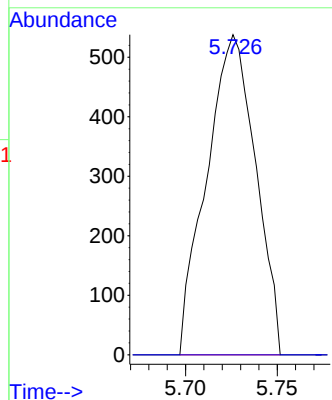
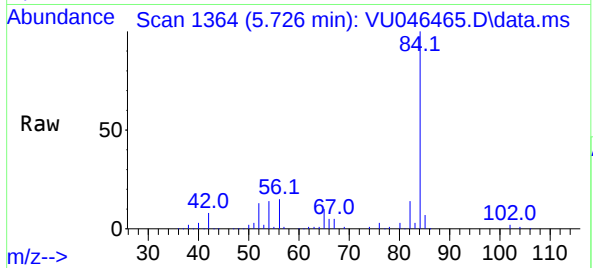




#27
1,2-Dichloroethane
Concen: 0.587 ug/L
RT: 5.726 min Scan# 11
Delta R.T. -0.071 min
Lab File: VU046465.D
Acq: 17 Dec 2021 12:40

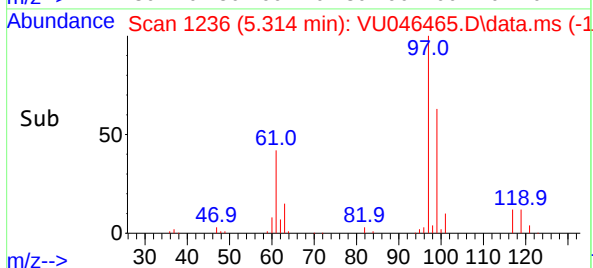
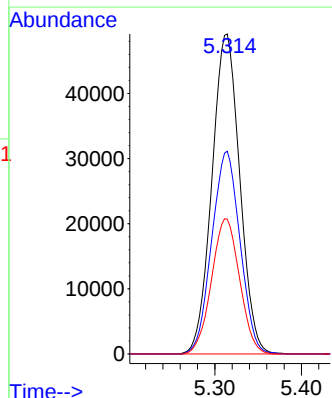
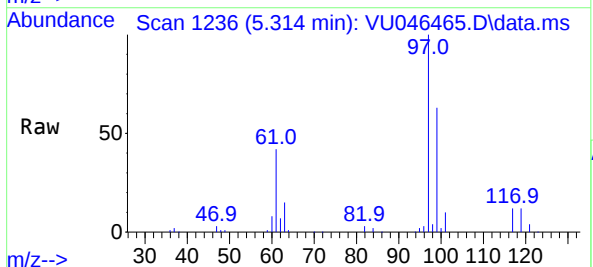
Instrument :
MSVOA_U
ClientSampleId :

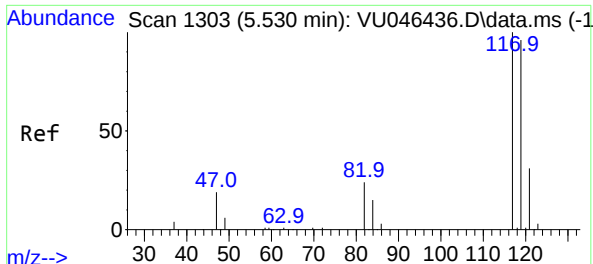
Tgt Ion: 62 Resp: 1000
Ion Ratio Lower Upper
62 100
98 0.0 7.9 11.9#



#30
1,1,1-Trichloroethane
Concen: 55.752 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. -0.006 min
Lab File: VU046465.D
Acq: 17 Dec 2021 12:40

Tgt Ion: 97 Resp: 109768
Ion Ratio Lower Upper
97 100
99 64.4 51.8 77.6
61 42.6 34.4 51.6

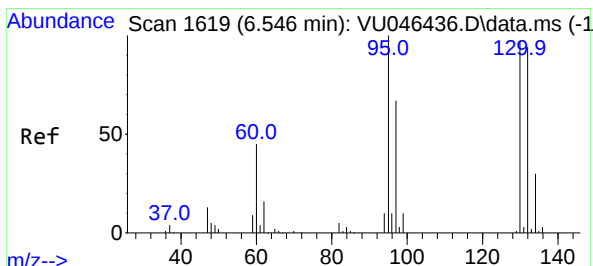
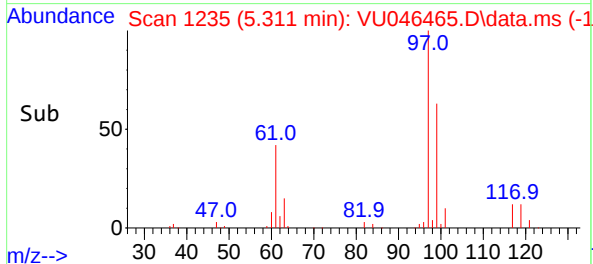
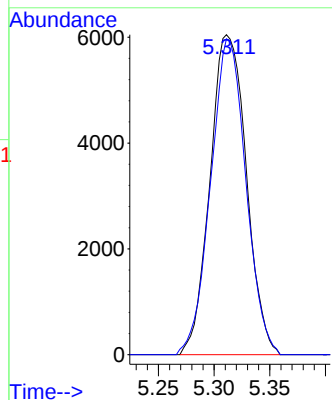
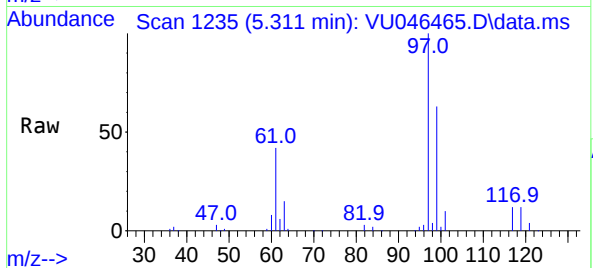




#31
Carbon tetrachloride
Concen: 8.206 ug/L
RT: 5.311 min Scan# 117
Delta R.T. -0.218 min
Lab File: VU046465.D
Acq: 17 Dec 2021 12:40

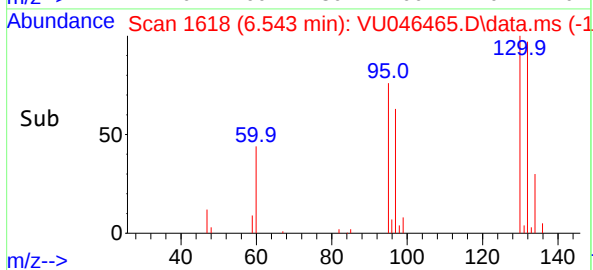
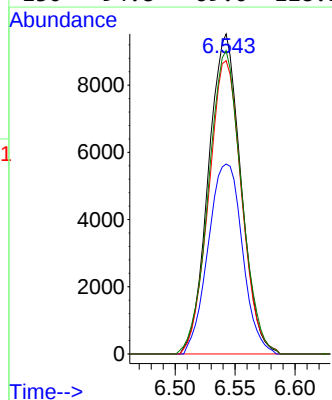
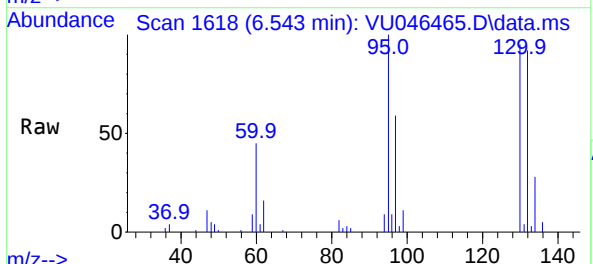
Instrument :
MSVOA_U
ClientSampleId :

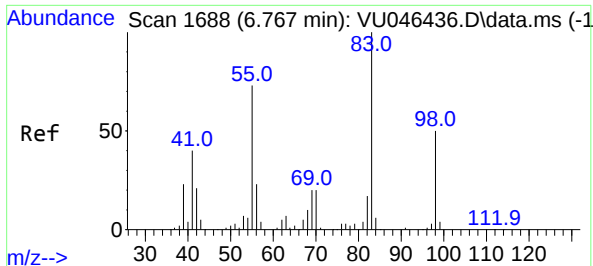
Tgt Ion:117 Resp: 13716
Ion Ratio Lower Upper
117 100
119 95.7 75.7 113.5



#34
Trichloroethene
Concen: 14.003 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU046465.D
Acq: 17 Dec 2021 12:40

Tgt Ion: 95 Resp: 17908
Ion Ratio Lower Upper
95 100
97 59.4 44.1 81.9
132 91.7 66.8 124.0
130 94.8 69.0 128.1





#35

Methylcyclohexane

Concen: 7.002 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU046465.D

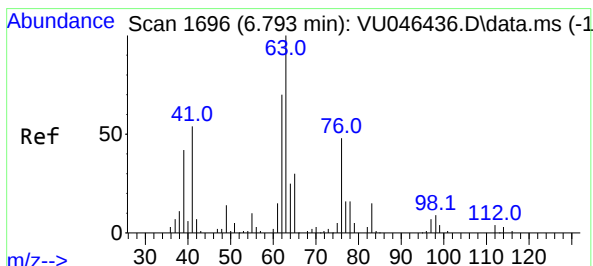
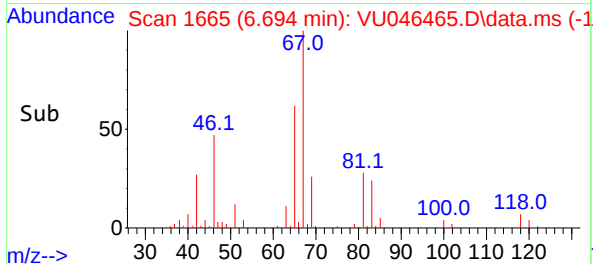
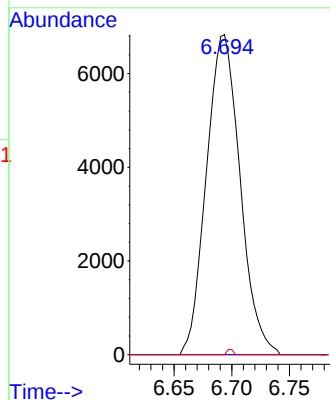
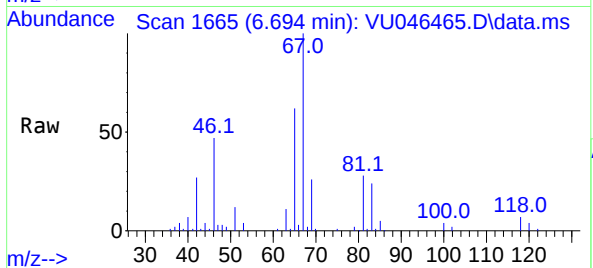
Acq: 17 Dec 2021 12:40

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 13884
Ion Ratio	Lower Upper
83 100	
55 0.0	57.8 86.6#
98 0.3	38.4 57.6#



#37

1,2-Dichloropropane

Concen: 5.073 ug/L

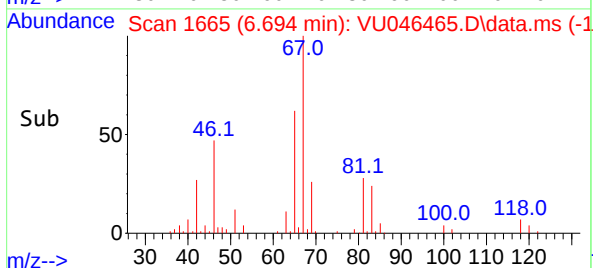
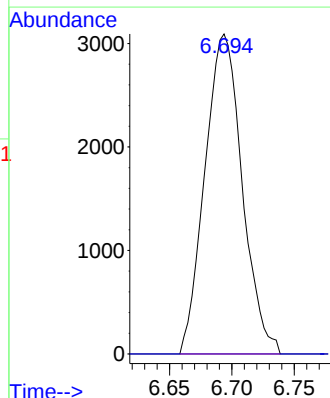
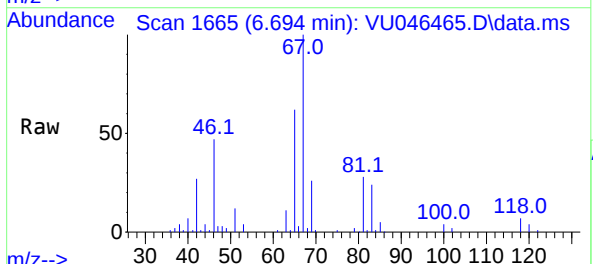
RT: 6.694 min Scan# 1665

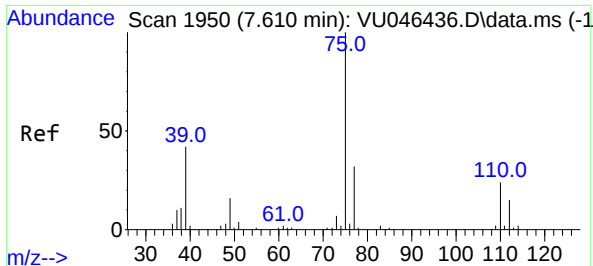
Delta R.T. -0.100 min

Lab File: VU046465.D

Acq: 17 Dec 2021 12:40

Tgt Ion: 63	Resp: 6451
Ion Ratio	Lower Upper
63 100	
112 0.0	3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.923 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046465.D

Acq: 17 Dec 2021 12:40

Instrument :

MSVOA_U

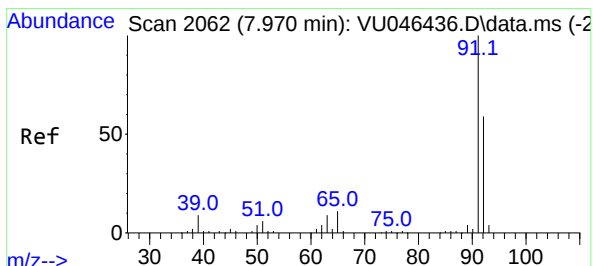
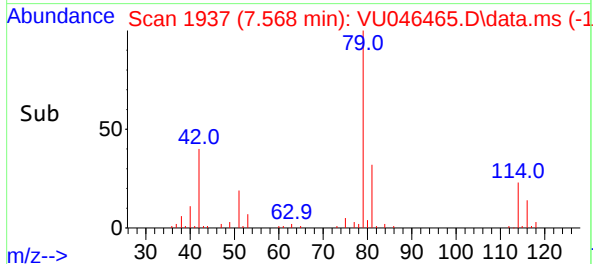
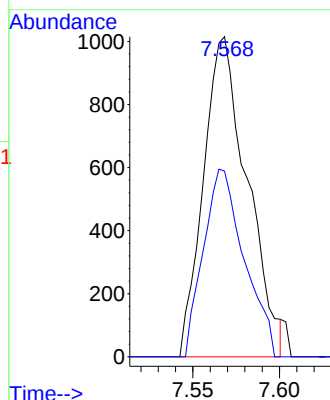
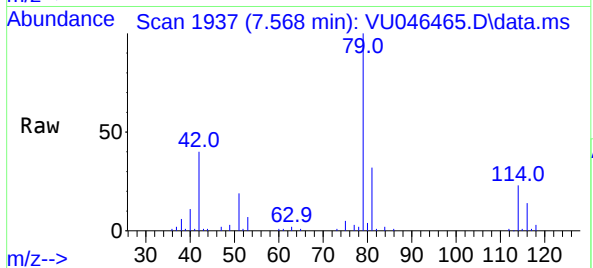
ClientSampleId :

Tgt Ion: 75 Resp: 1785

Ion Ratio Lower Upper

75 100

77 58.0 21.8 40.6#



#42

Toluene

Concen: 1.308 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.003 min

Lab File: VU046465.D

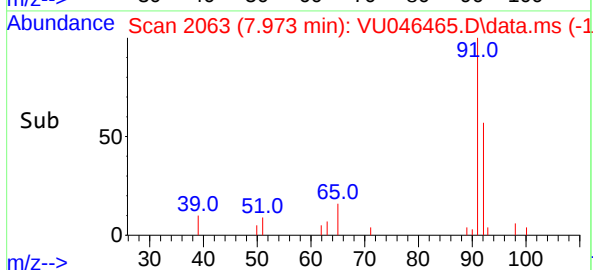
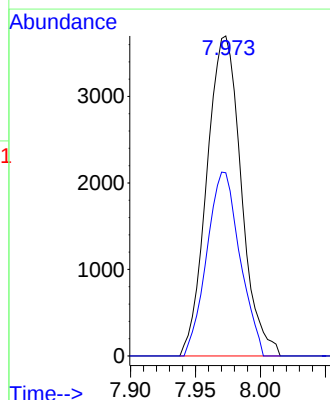
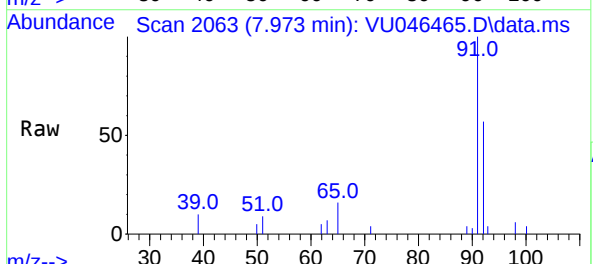
Acq: 17 Dec 2021 12:40

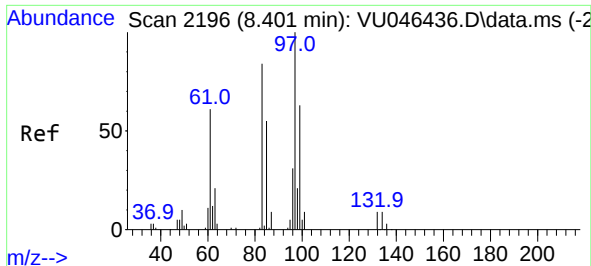
Tgt Ion: 91 Resp: 6816

Ion Ratio Lower Upper

91 100

92 57.3 41.9 77.7

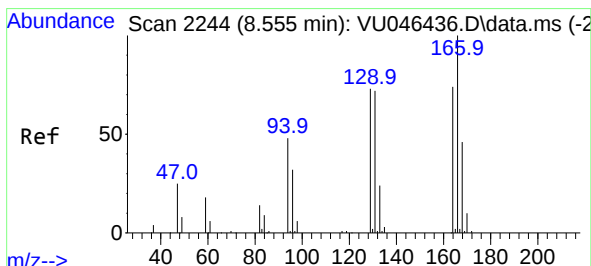
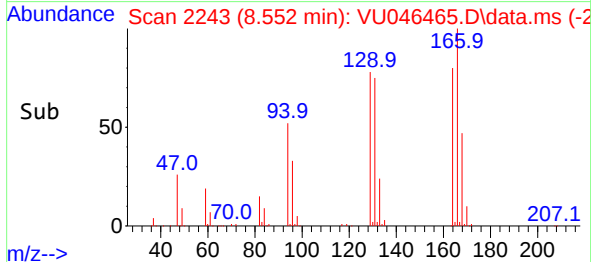
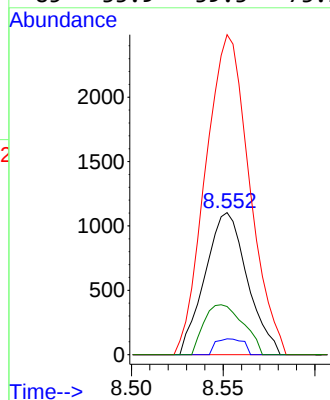
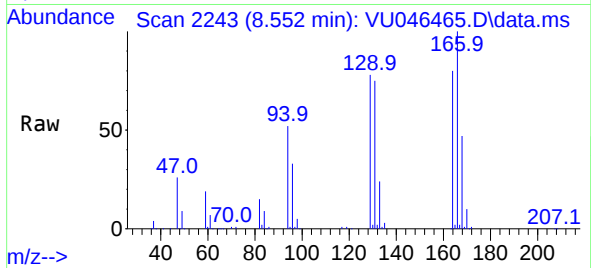




#45
1,1,2-Trichloroethane
Concen: 1.383 ug/L
RT: 8.552 min Scan# 2196
Delta R.T. 0.151 min
Lab File: VU046465.D
Acq: 17 Dec 2021 12:40

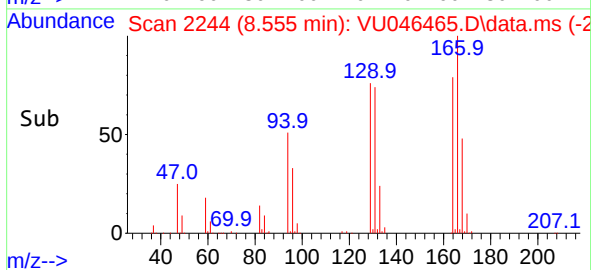
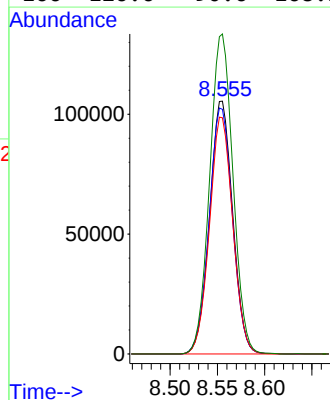
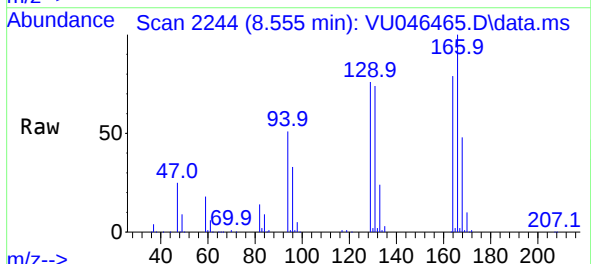
Instrument :
MSVOA_U
ClientSampleId :

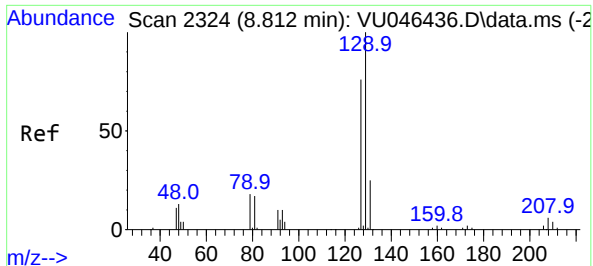
Tgt Ion: 97	Resp:	1764
Ion	Ratio	Lower Upper
97	100	
99	11.1	44.7 82.9#
83	225.2	60.2 111.8#
85	33.9	39.3 73.1#



#46
Tetrachloroethene
Concen: 191.087 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046465.D
Acq: 17 Dec 2021 12:40

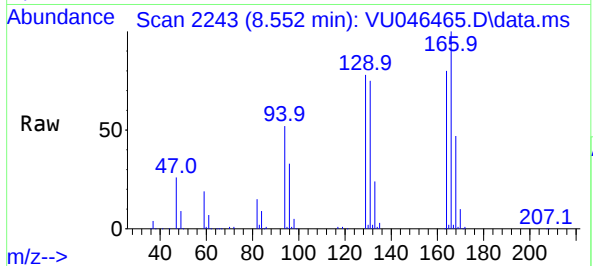
Tgt Ion: 164	Resp:	179589
Ion	Ratio	Lower Upper
164	100	
129	96.8	71.1 132.1
131	93.4	67.8 126.0
166	126.6	90.6 168.2



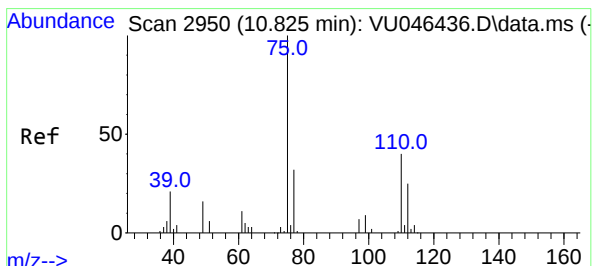
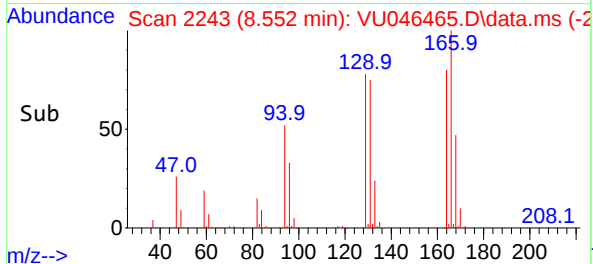
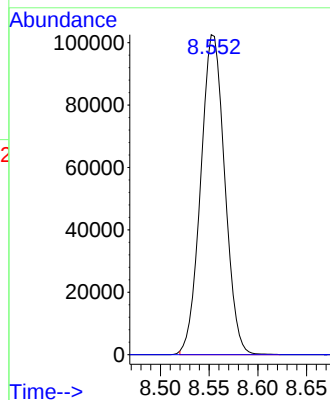


#49
Dibromochloromethane
Concen: 131.408 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.260 min
Lab File: VU046465.D
Acq: 17 Dec 2021 12:40

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:129 Resp: 176056
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#



#60
1,2,3-Trichloropropane
Concen: 5.478 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.994 min
Lab File: VU046465.D
Acq: 17 Dec 2021 12:40

Tgt Ion: 75 Resp: 9349
Ion Ratio Lower Upper
75 100
77 33.1 26.4 39.6
110 1.5 32.4 48.6#

