

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121421\
 Data File : VU046357.D
 Acq On : 14 Dec 2021 15:43
 Operator : SY/MD
 Sample : M4983-22
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5S3

Quant Time: Dec 15 01:43:31 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	155530	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	156895	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	77249	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	46322	36.156	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	72.320%		
7) Chloroethane-d5	1.919	69	35103	35.686	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	71.380%		
11) 1,1-Dichloroethene-d2	2.581	63	132490	57.606	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	115.220%		
21) 2-Butanone-d5	4.639	46	78712	77.284	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	77.280%		
24) Chloroform-d	5.066	84	90051	42.090	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.180%		
26) 1,2-Dichloroethane-d4	5.706	65	60919	42.427	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.860%		
32) Benzene-d6	5.732	84	174654	38.839	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	77.680%		
36) 1,2-Dichloropropane-d6	6.693	67	55927	40.129	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	80.260%		
41) Toluene-d8	7.899	98	145648	35.573	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	71.140%#		
43) trans-1,3-Dichloroprop...	8.182	79	25267	37.557	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	75.120%		
47) 2-Hexanone-d5	8.635	63	58332	88.277	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	88.280%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	84659	40.055	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	80.120%		
66) 1,2-Dichlorobenzene-d4	12.195	152	59058	39.698	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	79.400%#		
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.147	101	4847	2.433	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	783	0.692	ug/L #	21
12) 1,1-Dichloroethene	2.587	96	131408	122.195	ug/L #	76
17) trans-1,2-Dichloroethene	3.359	96	6256	5.497	ug/L	93
19) 1,1-Dichloroethane	3.877	63	364964	176.376	ug/L	100
20) cis-1,2-Dichloroethene	4.674	96	109309	88.519	ug/L	97
27) 1,2-Dichloroethane	5.803	62	831	0.487	ug/L #	73
30) 1,1,1-Trichloroethane	5.324	97	911349	473.208	ug/L	100
31) Carbon tetrachloride	5.324	117	111970	68.483	ug/L	100
34) Trichloroethene	6.546	95	77689	62.102	ug/L	98
35) Methylcyclohexane	6.693	83	13538	6.979	ug/L #	20
37) 1,2-Dichloropropane	6.693	63	5908	4.749	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1583	0.837	ug/L #	70
45) 1,1,2-Trichloroethane	8.404	97	2945	2.360	ug/L	92
46) Tetrachloroethene	8.555	164	79523	86.502	ug/L	99
60) 1,2,3-Trichloropropane	11.812	75	9337	5.514	ug/L #	65

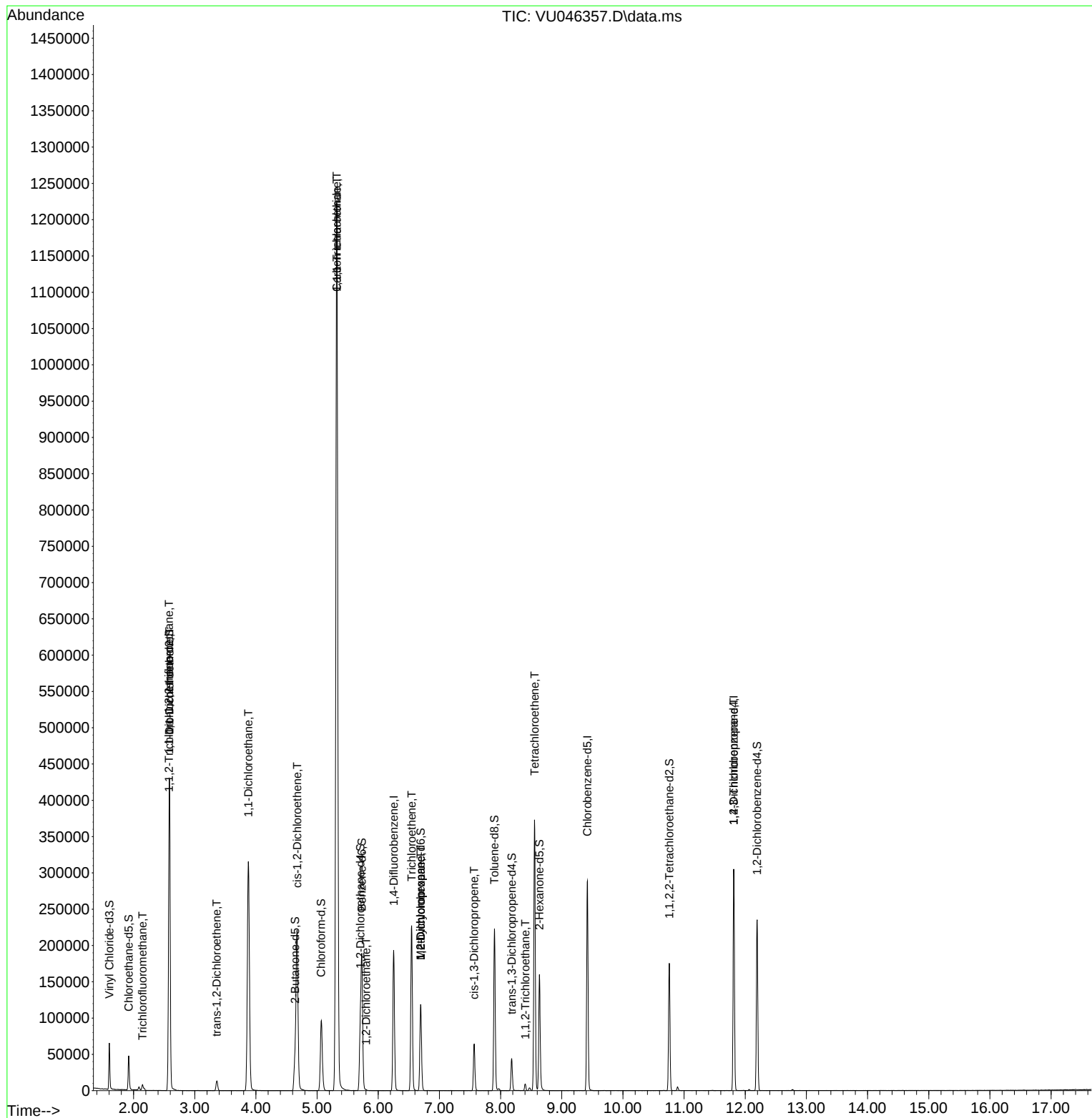
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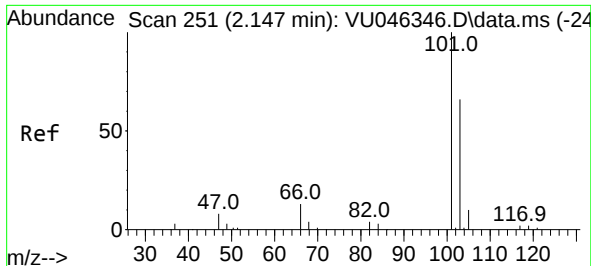
Instrument :
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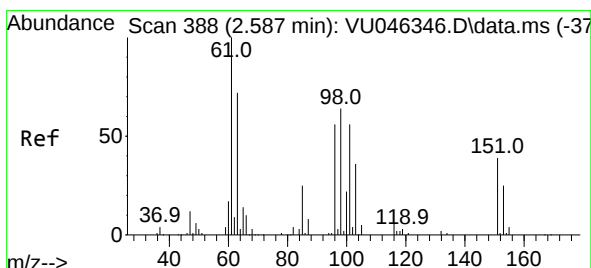
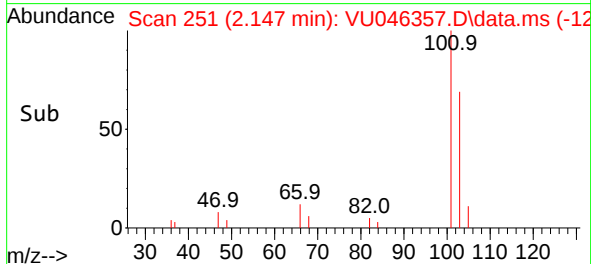
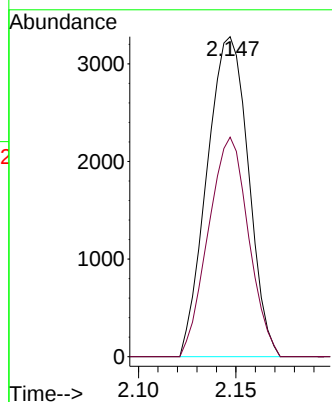
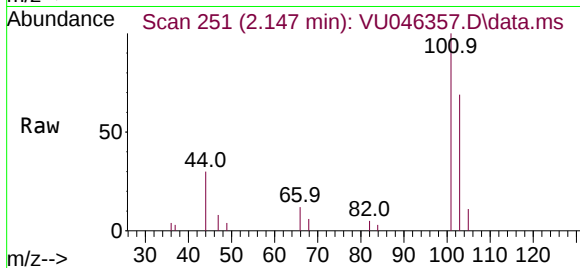




#9
 Trichlorofluoromethane
 Concen: 2.433 ug/L
 RT: 2.147 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU046357.D
 Acq: 14 Dec 2021 15:43

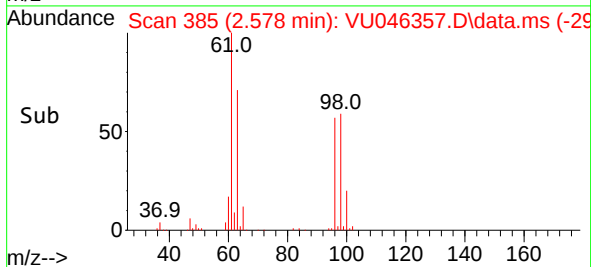
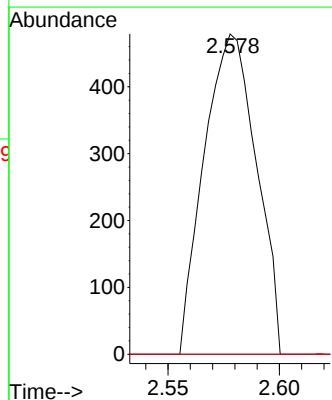
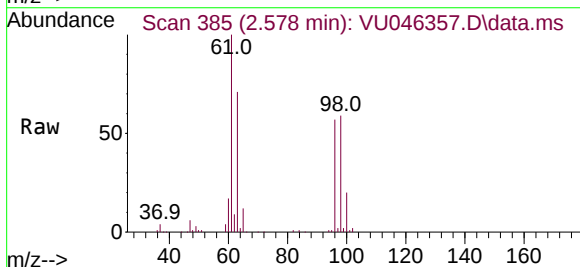
Instrument :
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 ClientSampleId :
 EW5S3

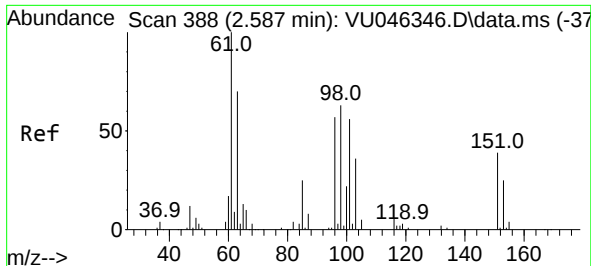
Tgt Ion:101 Resp: 4847
 Ion Ratio Lower Upper
 101 100
 103 66.5 51.8 77.6



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.692 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.010 min
 Lab File: VU046357.D
 Acq: 14 Dec 2021 15:43

Tgt Ion:101 Resp: 783
 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: 122.195 ug/L

RT: 2.587 min Scan# 388

Delta R.T. -0.000 min

Lab File: VU046357.D

Acq: 14 Dec 2021 15:43

Instrument :

MSVOA_U

ClientSampleId :

EW5S3

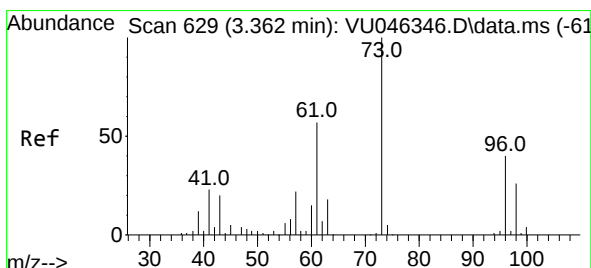
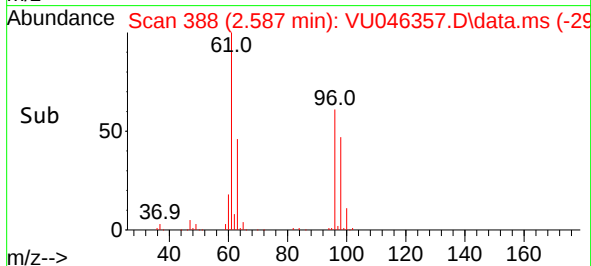
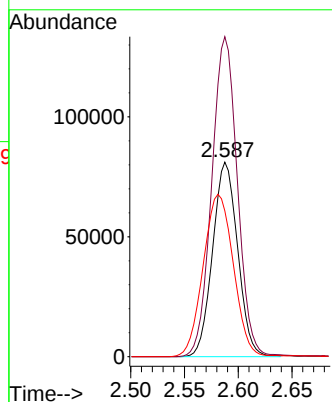
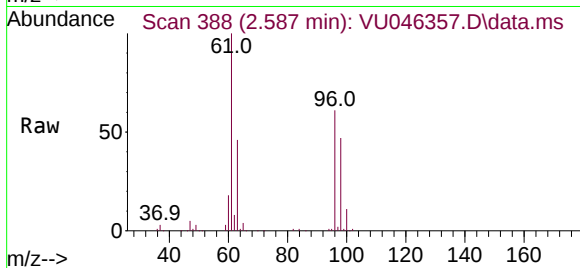
Tgt Ion: 96 Resp: 131408

Ion Ratio Lower Upper

96 100

61 164.5 118.6 220.2

63 74.9 93.0 172.8#



#17

trans-1,2-Dichloroethene

Concen: 5.497 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.003 min

Lab File: VU046357.D

Acq: 14 Dec 2021 15:43

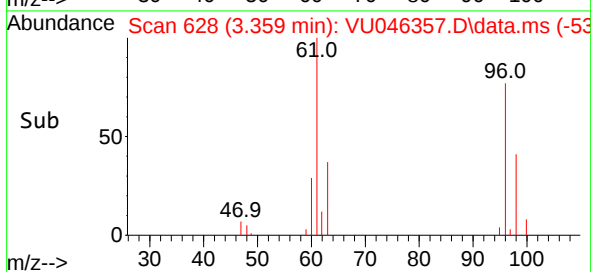
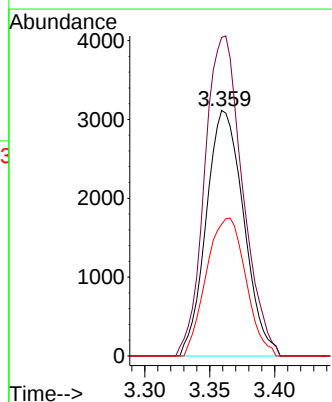
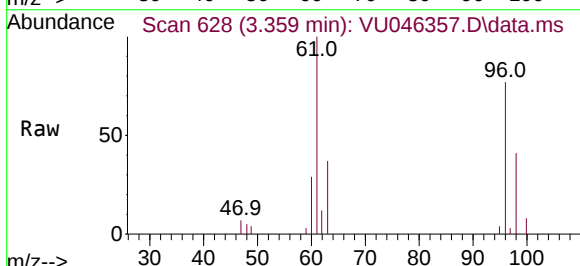
Tgt Ion: 96 Resp: 6256

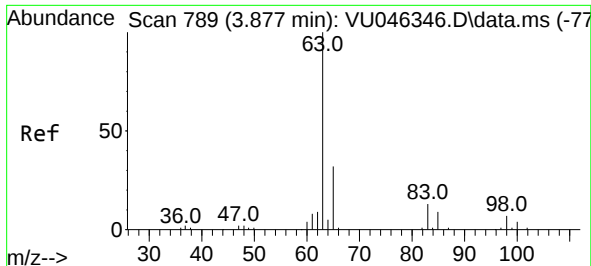
Ion Ratio Lower Upper

96 100

61 129.8 94.6 175.6

98 53.7 44.0 81.8

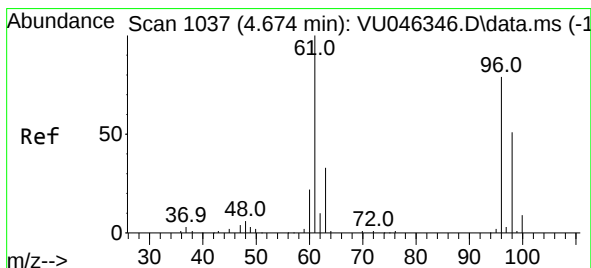
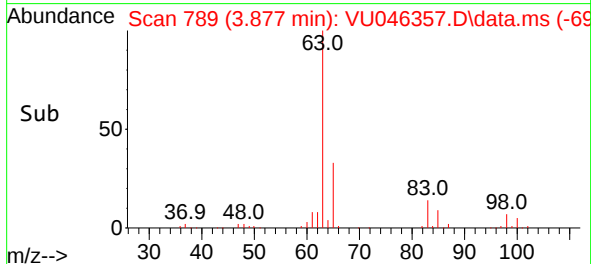
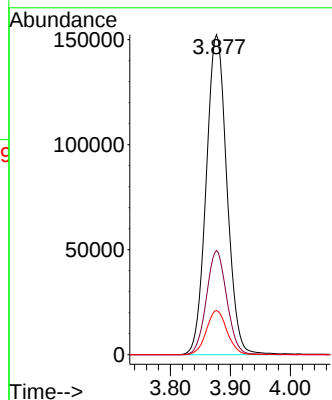
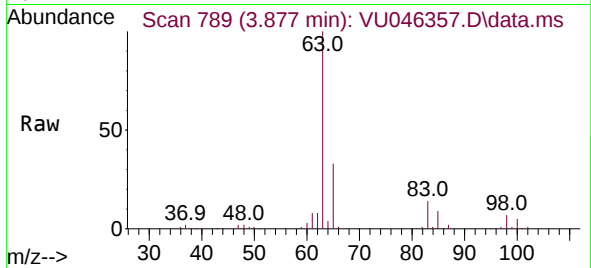




#19
1,1-Dichloroethane
Concen: 176.376 ug/L
RT: 3.877 min Scan# 789
Delta R.T. -0.000 min
Lab File: VU046357.D
Acq: 14 Dec 2021 15:43

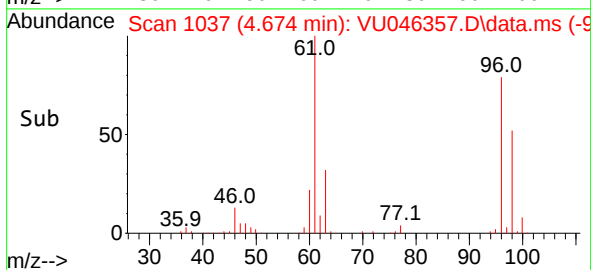
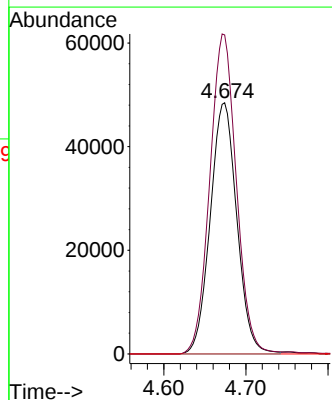
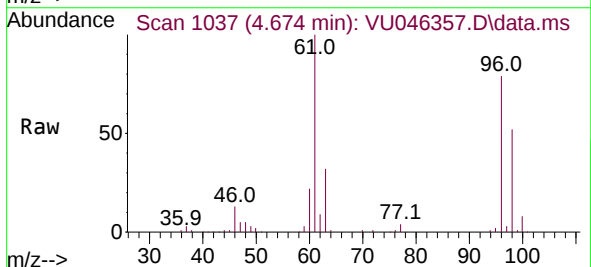
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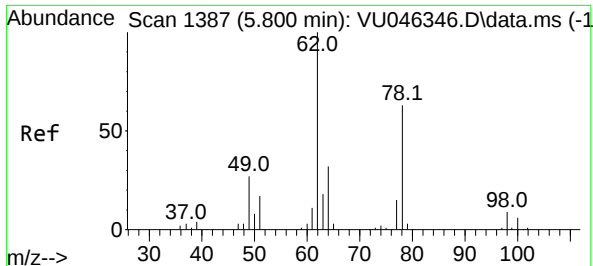
Tgt Ion: 63 Resp: 364964
Ion Ratio Lower Upper
63 100
65 32.6 22.8 42.4
83 13.8 9.6 17.8



#20
cis-1,2-Dichloroethene
Concen: 88.519 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VU046357.D
Acq: 14 Dec 2021 15:43

Tgt Ion: 96 Resp: 109309
Ion Ratio Lower Upper
96 100
61 127.1 86.8 161.2
68 0.0 0.0 0.0

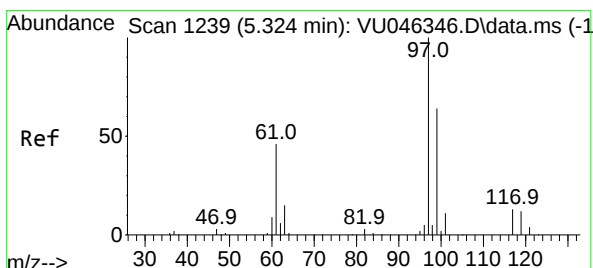
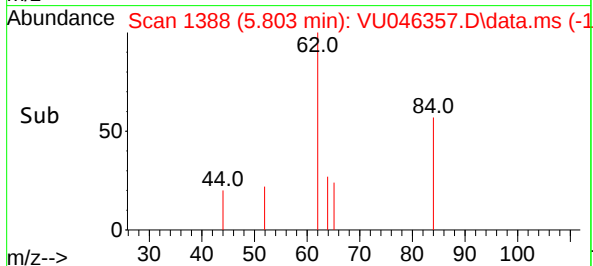
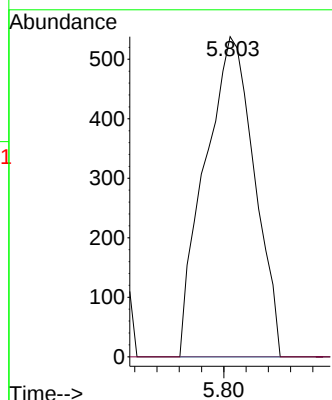
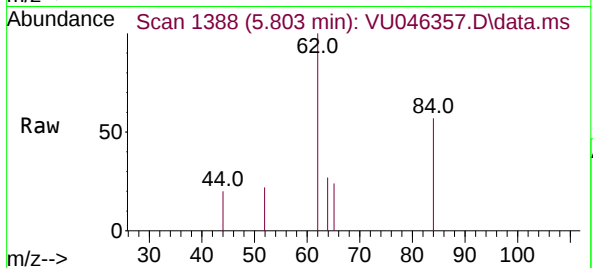




#27
1,2-Dichloroethane
Concen: 0.487 ug/L
RT: 5.803 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU046357.D
Acq: 14 Dec 2021 15:43

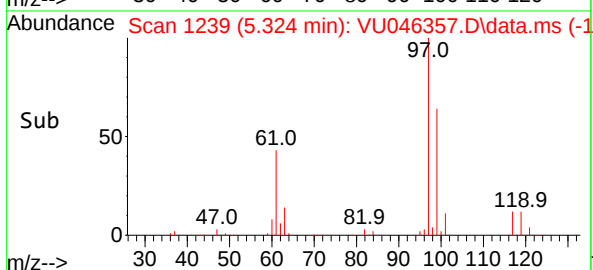
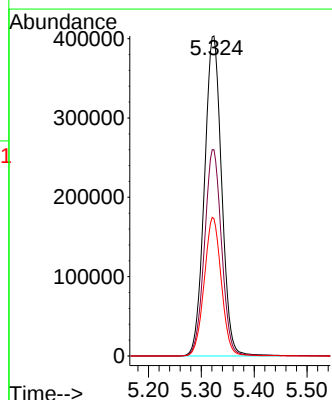
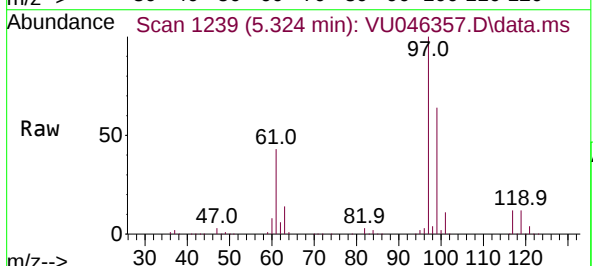
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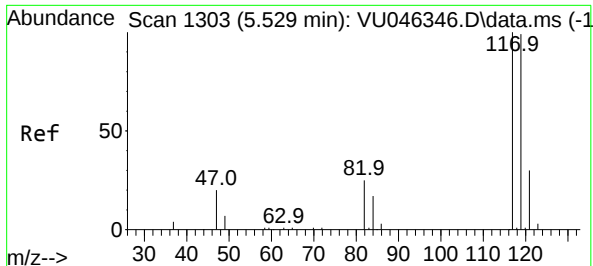
Tgt Ion: 62 Resp: 831
Ion Ratio Lower Upper
62 100
98 0.0 7.9 11.9#



#30
1,1,1-Trichloroethane
Concen: 473.208 ug/L
RT: 5.324 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VU046357.D
Acq: 14 Dec 2021 15:43

Tgt Ion: 97 Resp: 911349
Ion Ratio Lower Upper
97 100
99 64.1 51.8 77.6
61 42.9 34.4 51.6

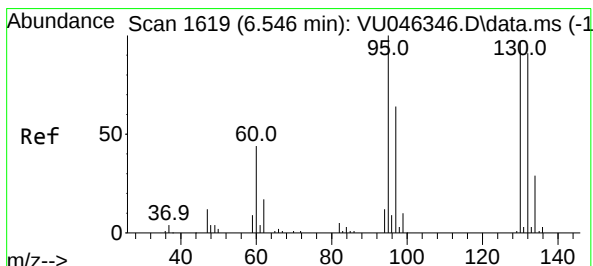
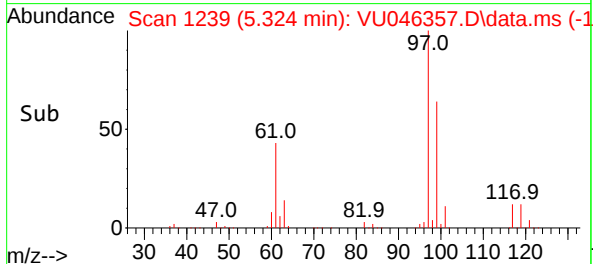
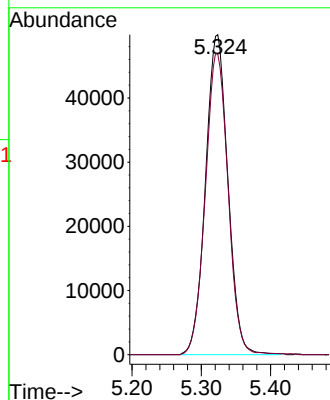
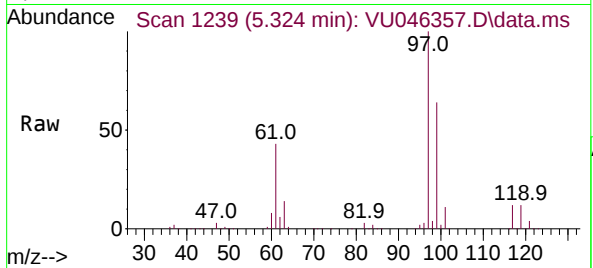




#31
Carbon tetrachloride
Concen: 68.483 ug/L
RT: 5.324 min Scan# 1119
Delta R.T. -0.206 min
Lab File: VU046357.D
Acq: 14 Dec 2021 15:43

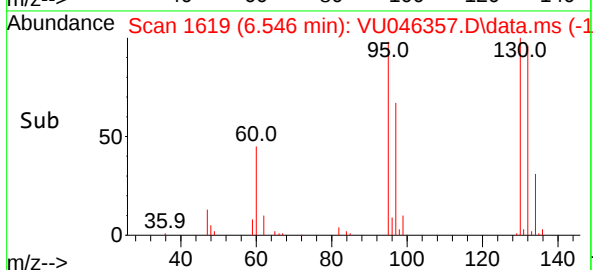
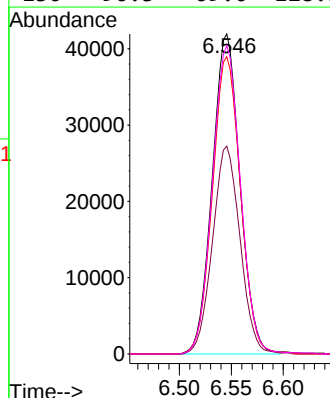
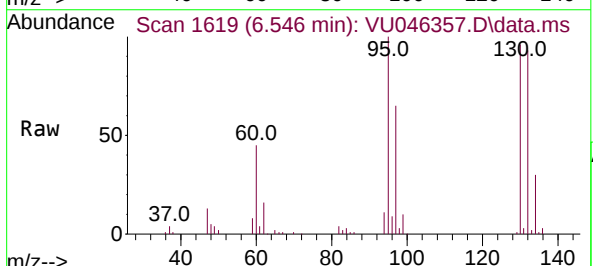
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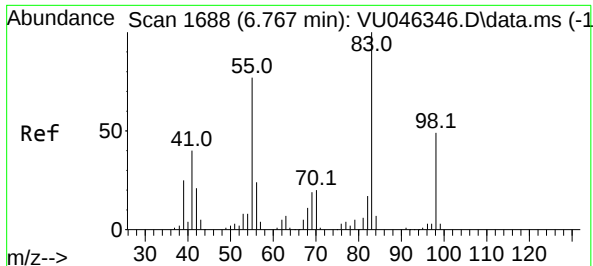
Tgt Ion:117 Resp: 111970
Ion Ratio Lower Upper
117 100
119 94.8 75.7 113.5



#34
Trichloroethene
Concen: 62.102 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046357.D
Acq: 14 Dec 2021 15:43

Tgt Ion: 95 Resp: 77689
Ion Ratio Lower Upper
95 100
97 65.0 44.1 81.9
132 92.9 66.8 124.0
130 96.3 69.0 128.1

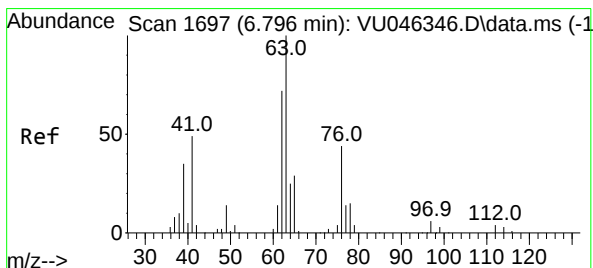
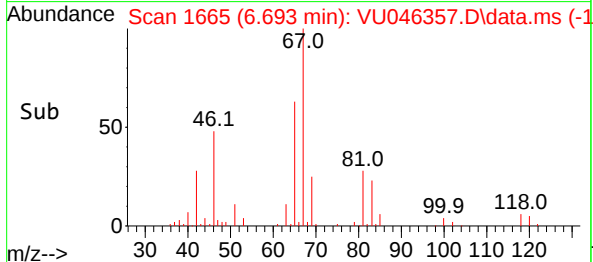
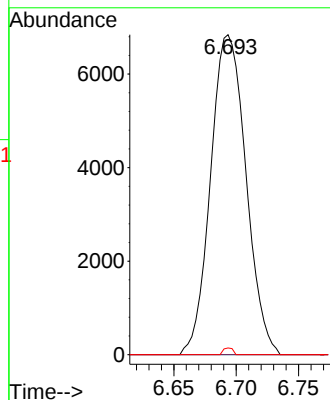
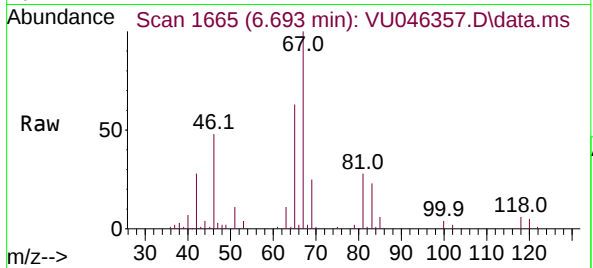




#35
Methylcyclohexane
Concen: 6.979 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046357.D
Acq: 14 Dec 2021 15:43

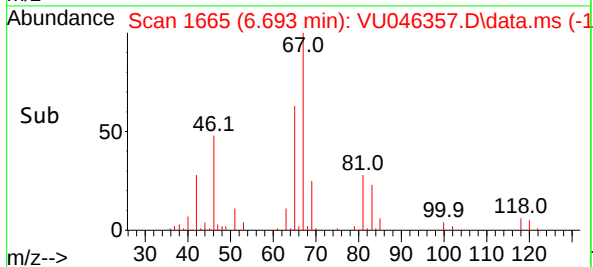
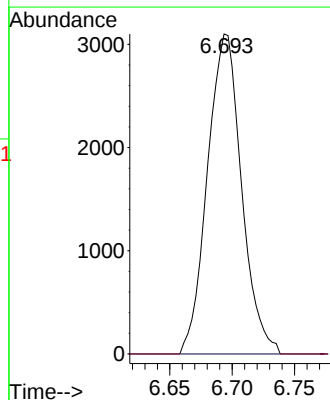
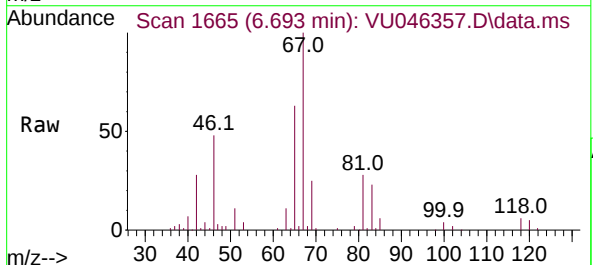
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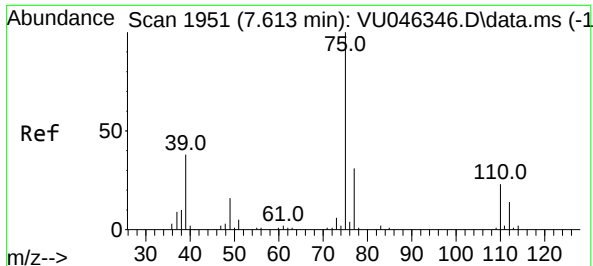
Tgt Ion: 83 Resp: 13538
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 0.6 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 4.749 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU046357.D
Acq: 14 Dec 2021 15:43

Tgt Ion: 63 Resp: 5908
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.837 ug/L

RT: 7.568 min Scan# 1951

Delta R.T. -0.045 min

Lab File: VU046357.D

Acq: 14 Dec 2021 15:43

Instrument :

MSVOA_U

ClientSampleId :

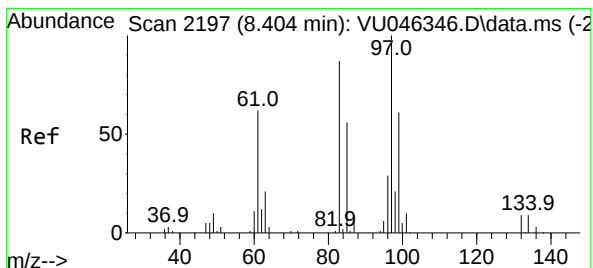
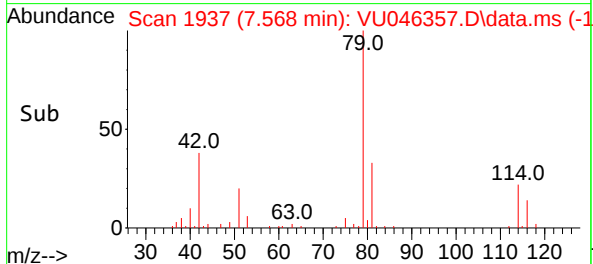
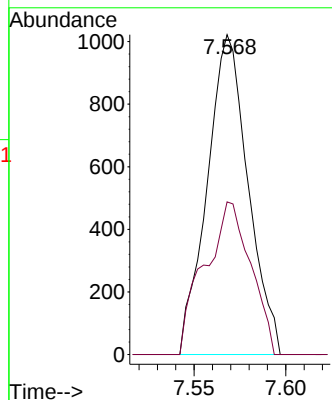
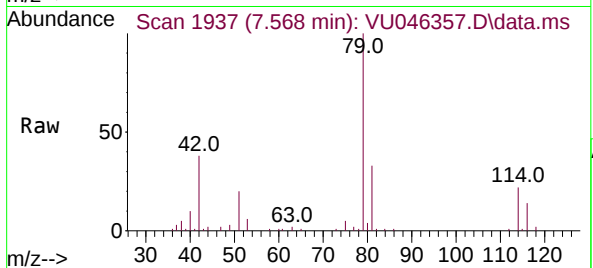
EW5S3

Tgt Ion: 75 Resp: 1583

Ion Ratio Lower Upper

75 100

77 47.7 21.8 40.6#



#45

1,1,2-Trichloroethane

Concen: 2.360 ug/L

RT: 8.404 min Scan# 2197

Delta R.T. -0.000 min

Lab File: VU046357.D

Acq: 14 Dec 2021 15:43

Tgt Ion: 97 Resp: 2945

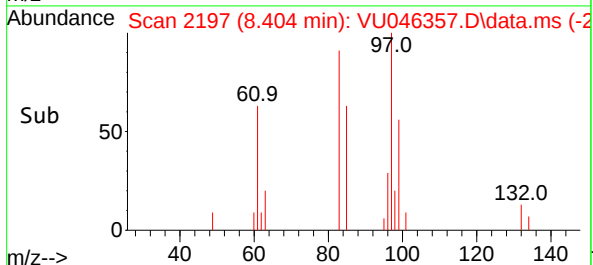
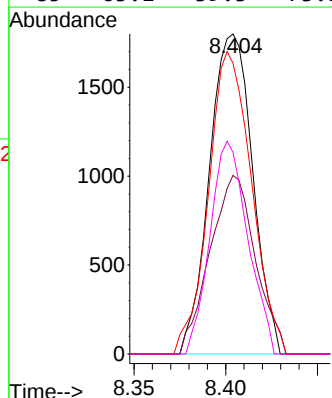
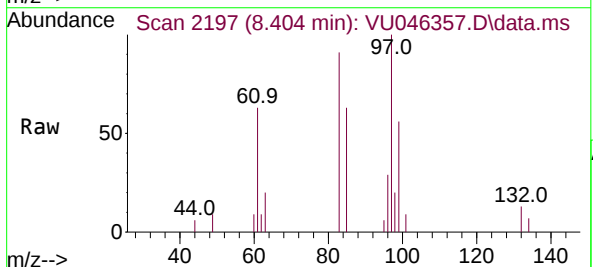
Ion Ratio Lower Upper

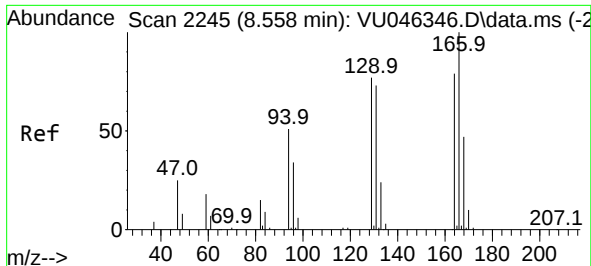
97 100

99 55.8 44.7 82.9

83 90.8 60.2 111.8

85 63.1 39.3 73.1

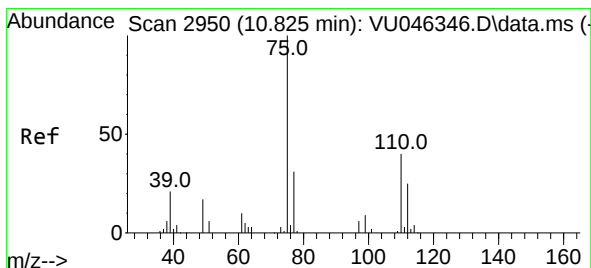
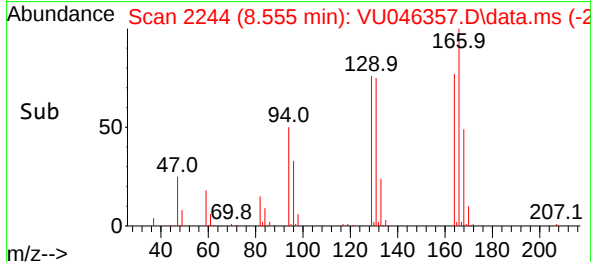
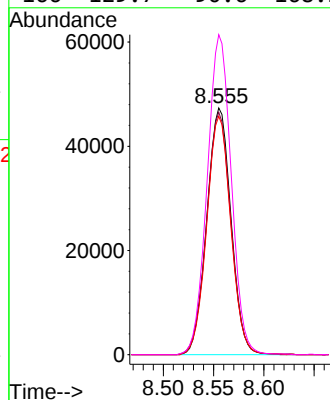
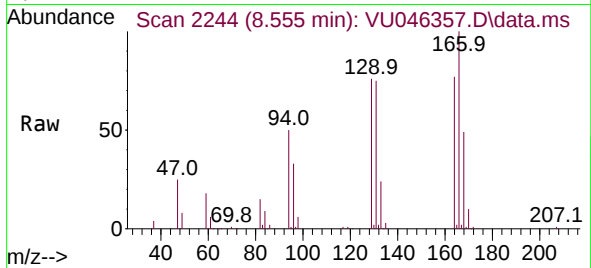




#46
Tetrachloroethene
Concen: 86.502 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046357.D
Acq: 14 Dec 2021 15:43

Instrument :
MSVOA_U
ClientSampleId :
EW5S3

Tgt Ion:164	Resp:	79523
Ion Ratio	Lower	Upper
164	100	
129	98.3	71.1 132.1
131	96.7	67.8 126.0
166	129.7	90.6 168.2



#60
1,2,3-Trichloropropane
Concen: 5.514 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046357.D
Acq: 14 Dec 2021 15:43

Tgt Ion: 75	Resp:	9337
Ion Ratio	Lower	Upper
75	100	
77	34.2	26.4 39.6
110	1.9	32.4 48.6

