

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
 Data File : VU046288.D
 Acq On : 11 Dec 2021 15:50
 Operator : SY/MD
 Sample : M4983-02DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 12 01:39:00 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	179913	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	184832	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	95170	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	54779	36.962	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	73.920%		
7) Chloroethane-d5	1.916	69	46598	40.951	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	81.900%		
11) 1,1-Dichloroethene-d2	2.572	63	78959	29.678	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	59.360%#		
21) 2-Butanone-d5	4.639	46	129095	109.575	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	109.570%		
24) Chloroform-d	5.067	84	119998	48.486	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.980%		
26) 1,2-Dichloroethane-d4	5.703	65	81664	49.167	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.340%		
32) Benzene-d6	5.732	84	238079	44.941	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.880%		
36) 1,2-Dichloropropane-d6	6.694	67	78971	48.100	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.200%		
41) Toluene-d8	7.899	98	202194	41.919	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.840%		
43) trans-1,3-Dichloroprop...	8.182	79	37584	47.421	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.840%		
47) 2-Hexanone-d5	8.636	63	92261	118.519	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	118.520%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	131138	52.668	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	105.340%		
66) 1,2-Dichlorobenzene-d4	12.195	152	90720	49.498	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.000%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	14183	8.034	ug/L	96
8) Chloroethane	1.938	64	28597	27.978	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	718	0.548	ug/L #	21
12) 1,1-Dichloroethene	2.581	96	1928	1.550	ug/L #	1
17) trans-1,2-Dichloroethene	3.356	96	1283	0.975	ug/L	98
19) 1,1-Dichloroethane	3.874	63	126139	52.698	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	68522	47.969	ug/L	100
27) 1,2-Dichloroethane	5.803	62	1575	0.798	ug/L #	93
30) 1,1,1-Trichloroethane	5.321	97	46485	20.489	ug/L	100
31) Carbon tetrachloride	5.324	117	6313	3.278	ug/L	94
35) Methylcyclohexane	6.694	83	19389	8.485	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	8593	5.864	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	2287	1.026	ug/L #	73
44) trans-1,3-Dichloropropene	8.182	75	1592	0.727	ug/L #	80
46) Tetrachloroethene	8.555	164	1223	1.129	ug/L	84
60) 1,2,3-Trichloropropane	11.812	75	11158	5.348	ug/L #	65

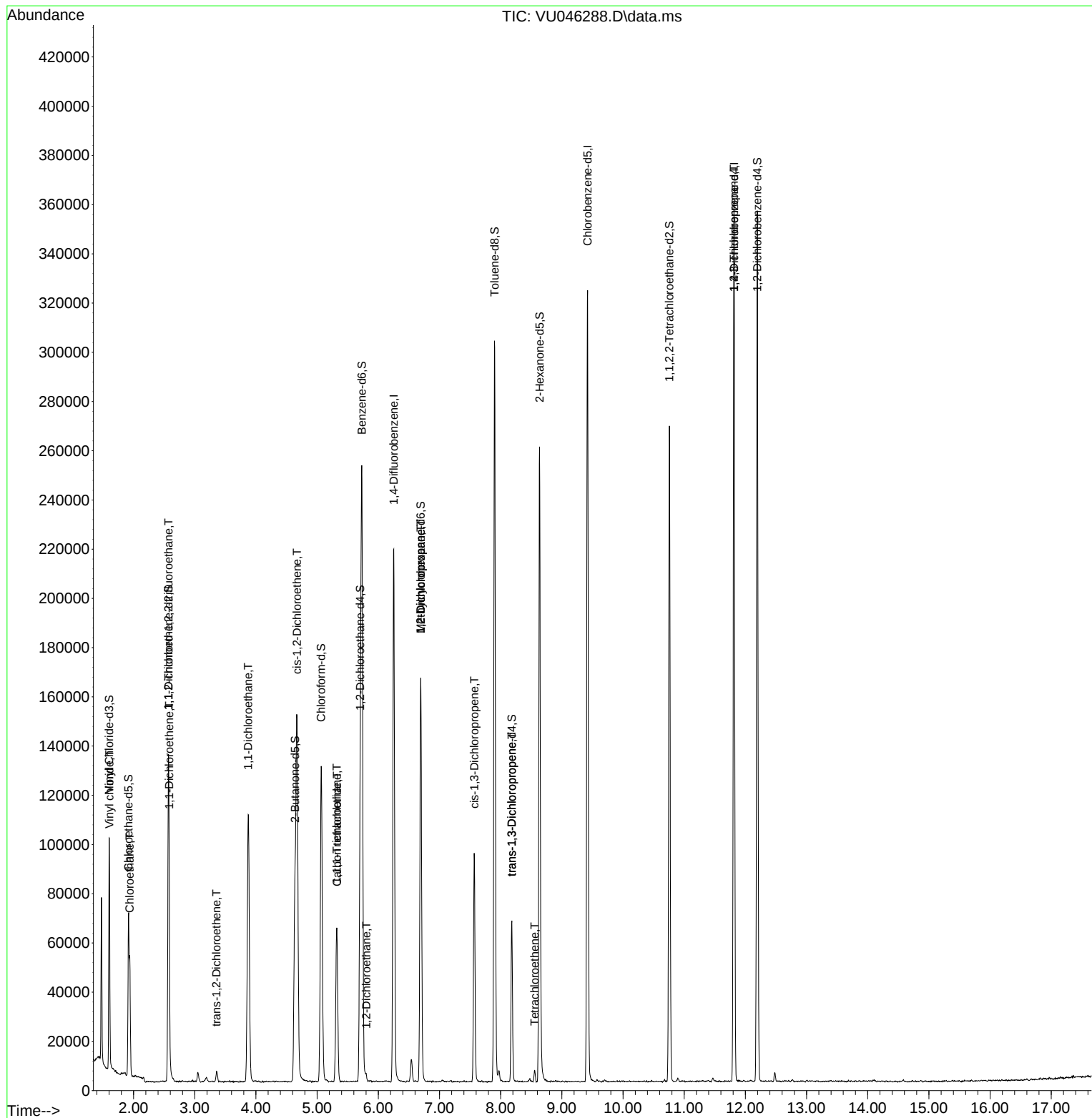
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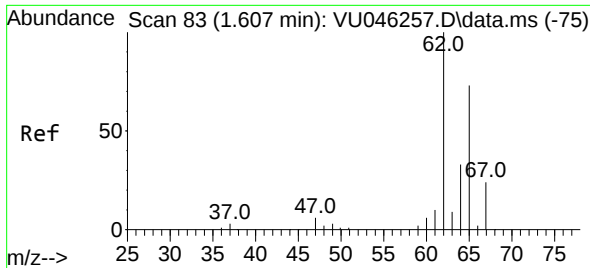
Instrument :
MSVOA_U
ClientSampleId :

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Quant Time: Dec 12 01:39:00 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

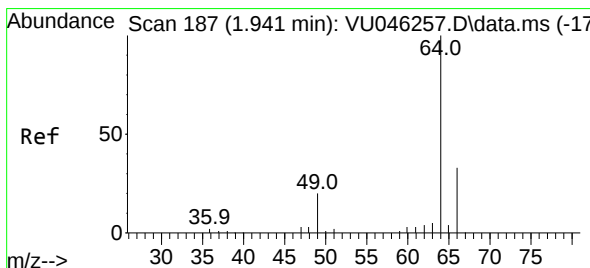
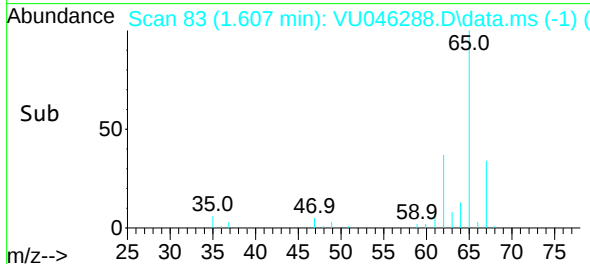
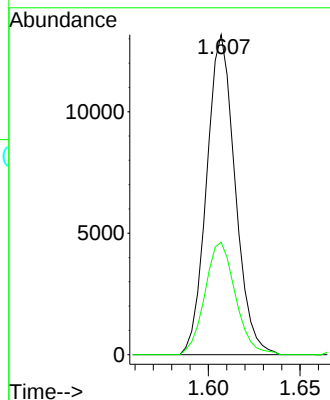
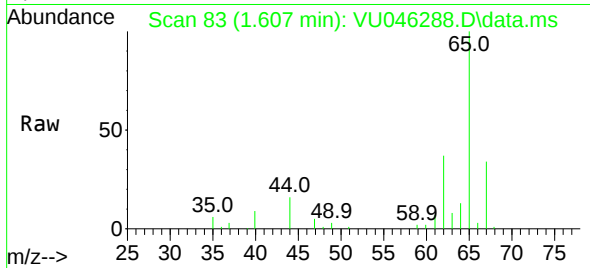




#5
 Vinyl chloride
 Concen: 8.034 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU046288.D
 Acq: 11 Dec 2021 15:50

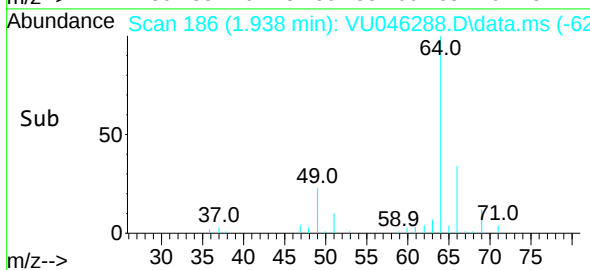
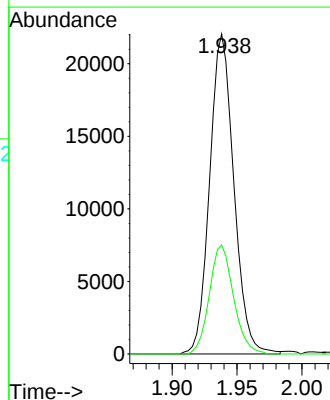
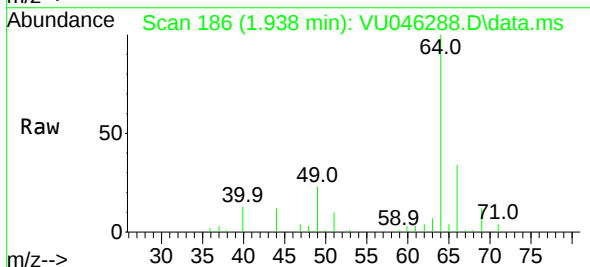
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 MSVOA_U
 ClientSampleId :

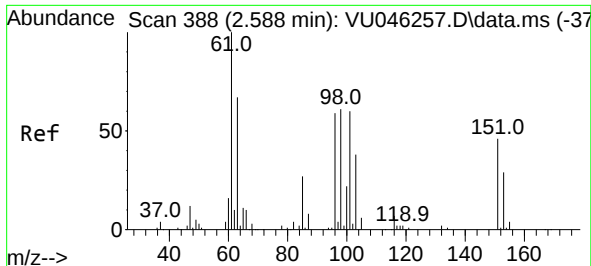
Tgt Ion: 62 Resp: 14183
 Ion Ratio Lower Upper
 62 100
 64 35.1 22.9 42.5



#8
 Chloroethane
 Concen: 27.978 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. 0.000 min
 Lab File: VU046288.D
 Acq: 11 Dec 2021 15:50

Tgt Ion: 64 Resp: 28597
 Ion Ratio Lower Upper
 64 100
 66 34.1 22.5 41.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.548 ug/L

RT: 2.572 min Scan# 383

Delta R.T. -0.016 min

Lab File: VU046288.D

Acq: 11 Dec 2021 15:50

Instrument :

MSVOA_U

ClientSampleId :

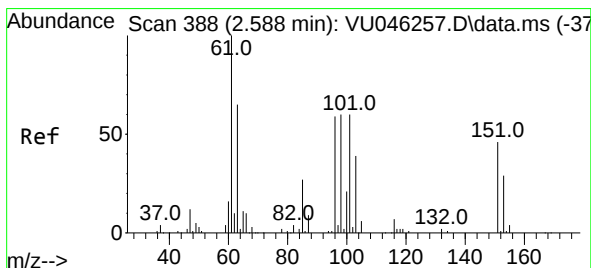
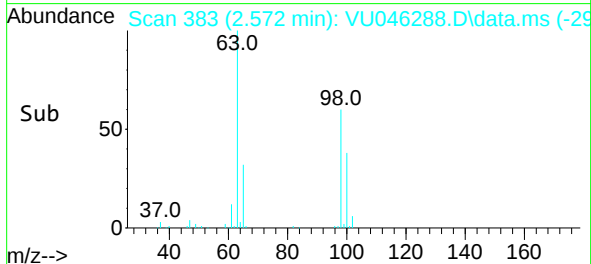
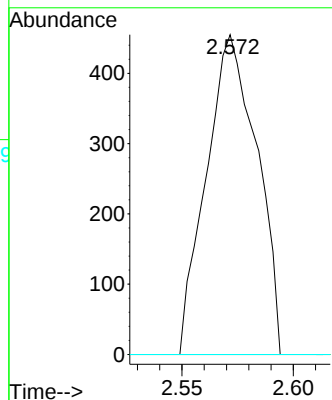
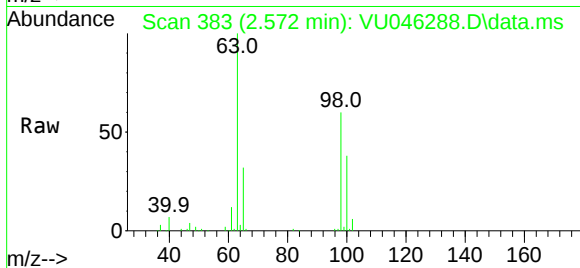
Tgt Ion:101 Resp: 718

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: 1.550 ug/L

RT: 2.581 min Scan# 386

Delta R.T. -0.003 min

Lab File: VU046288.D

Acq: 11 Dec 2021 15:50

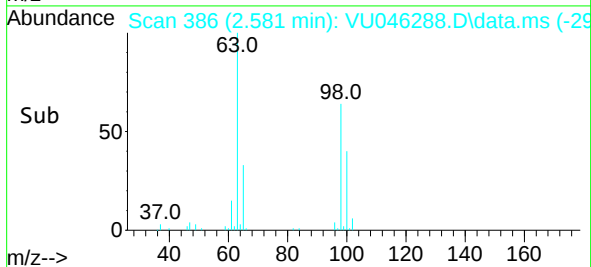
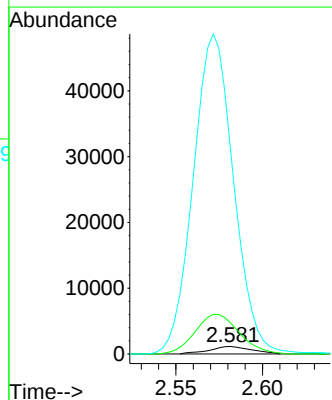
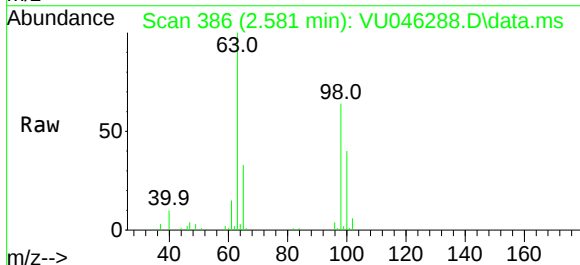
Tgt Ion: 96 Resp: 1928

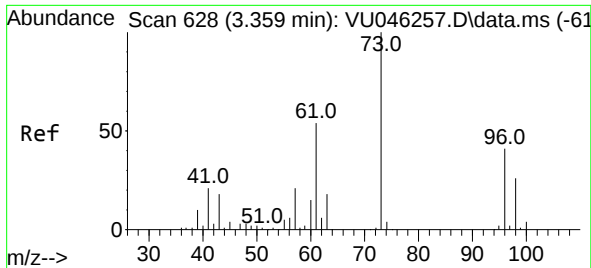
Ion Ratio Lower Upper

96 100

61 422.5 118.6 220.2#

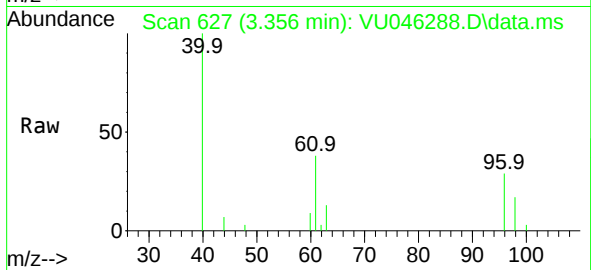
63 2793.7 93.0 172.8#



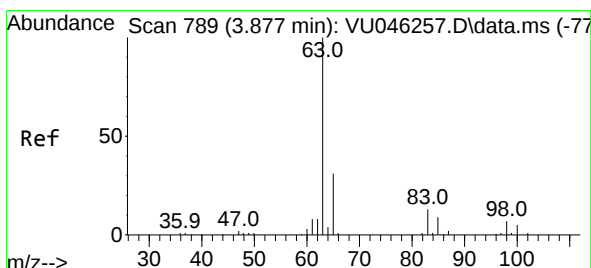
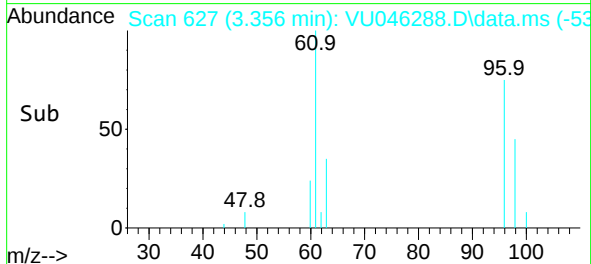
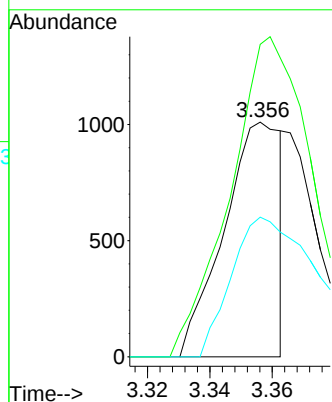


#17
trans-1,2-Dichloroethene
Concen: 0.975 ug/L
RT: 3.356 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU046288.D
Acq: 11 Dec 2021 15:50

Instrument :
MSVOA_U
ClientSampleId :

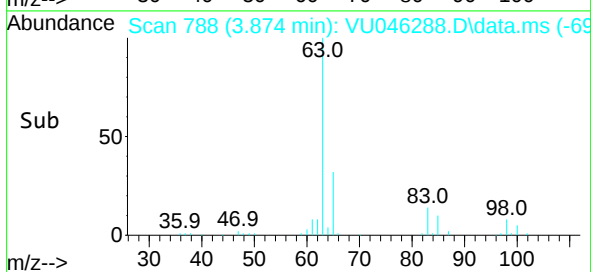
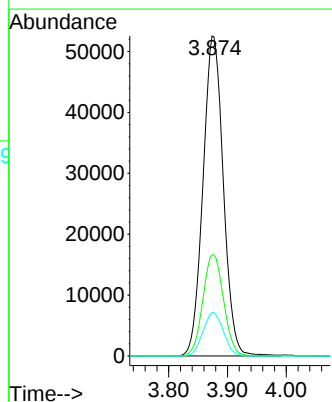
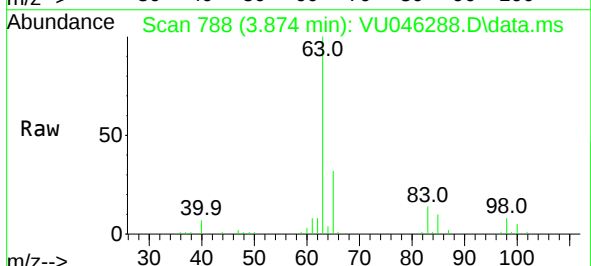


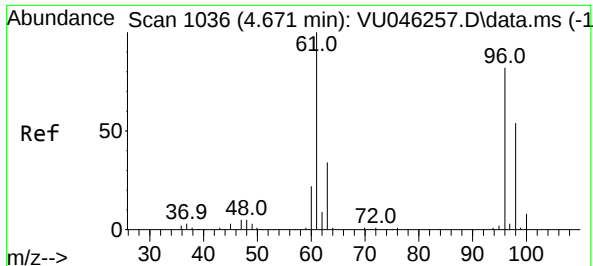
Tgt Ion: 96 Resp: 1283
Ion Ratio Lower Upper
96 100
61 133.2 94.6 175.6
98 59.5 44.0 81.8



#19
1,1-Dichloroethane
Concen: 52.698 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU046288.D
Acq: 11 Dec 2021 15:50

Tgt Ion: 63 Resp: 126139
Ion Ratio Lower Upper
63 100
65 31.6 22.8 42.4
83 13.6 9.6 17.8





#20

cis-1,2-Dichloroethene

Concen: 47.969 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046288.D

Acq: 11 Dec 2021 15:50

Instrument :

MSVOA_U

ClientSampleId :

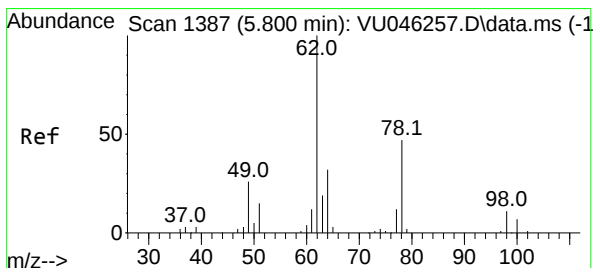
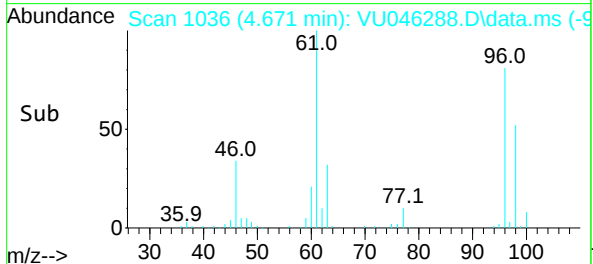
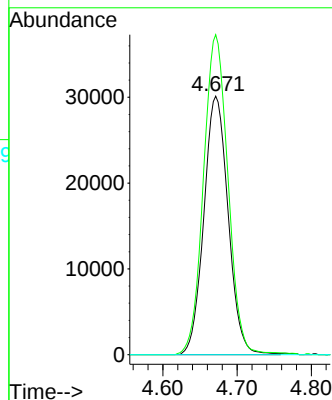
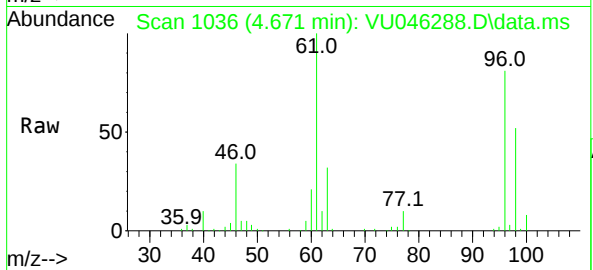
Tgt Ion: 96 Resp: 68522

Ion Ratio Lower Upper

96 100

61 123.8 86.8 161.2

68 0.0 0.0 0.0



#27

1,2-Dichloroethane

Concen: 0.798 ug/L

RT: 5.803 min Scan# 1388

Delta R.T. 0.003 min

Lab File: VU046288.D

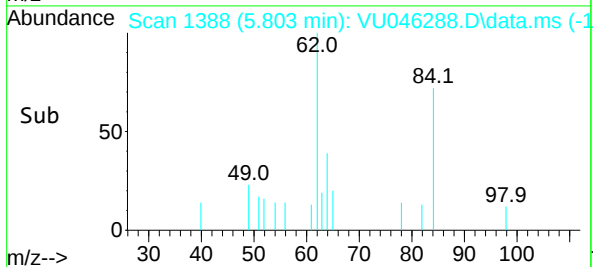
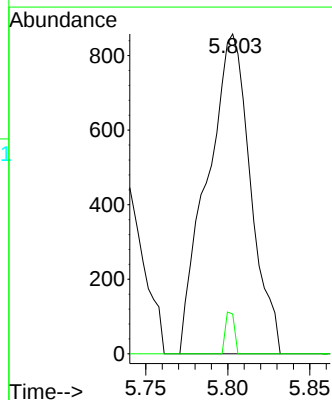
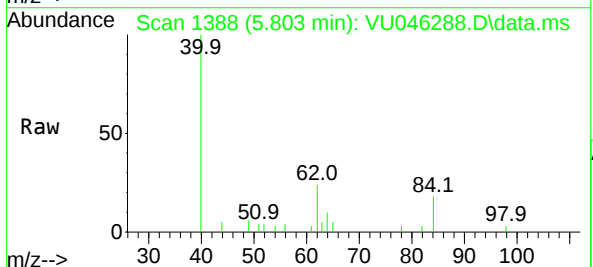
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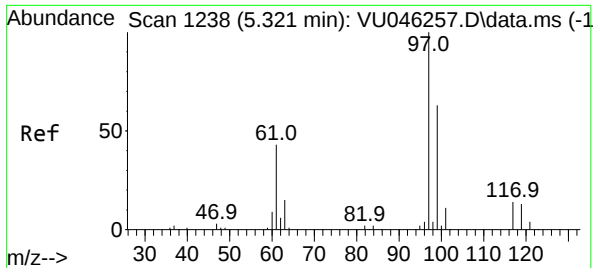
Tgt Ion: 62 Resp: 1575

Ion Ratio Lower Upper

62 100

98 12.5 7.9 11.9#

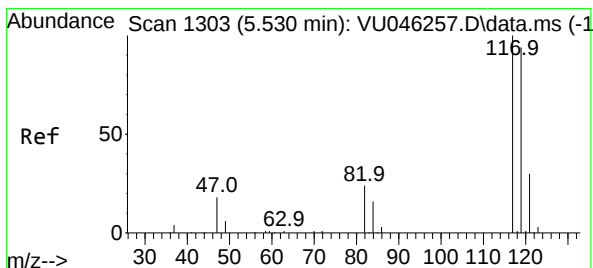
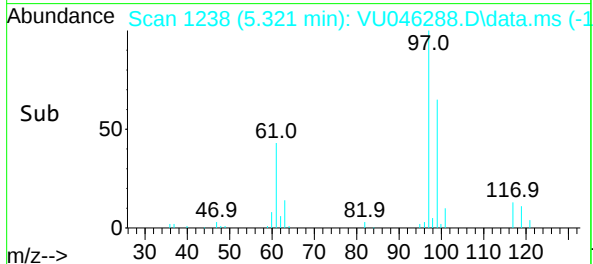
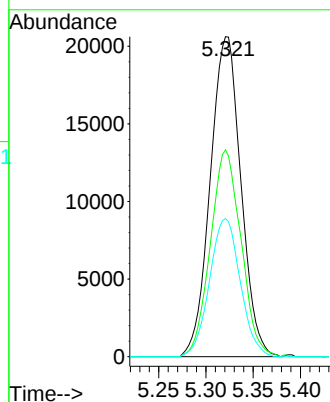
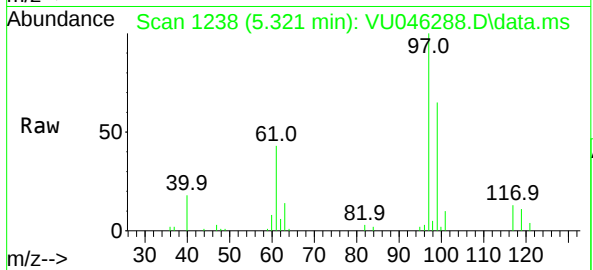




#30
1,1,1-Trichloroethane
Concen: 20.489 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VU046288.D
Acq: 11 Dec 2021 15:50

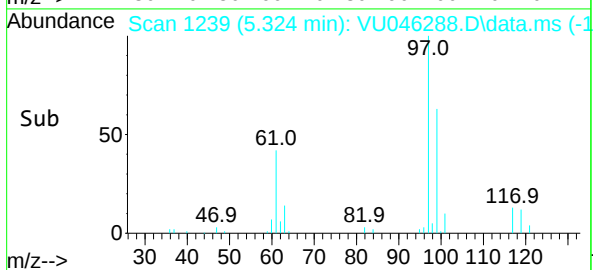
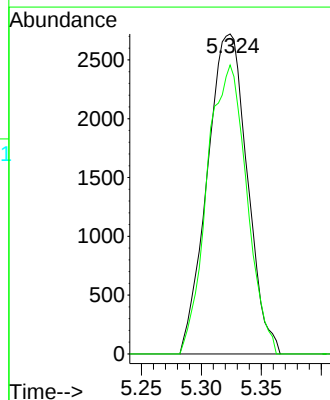
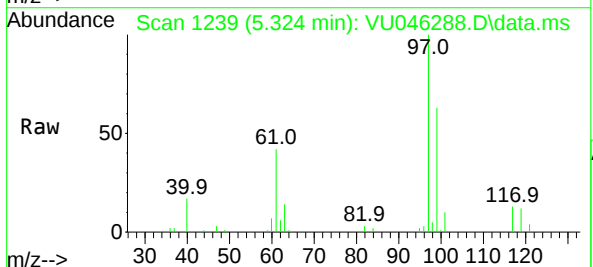
Instrument :
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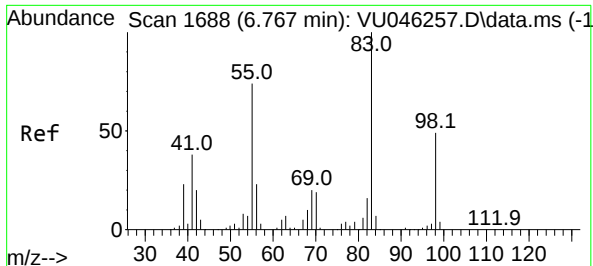
Tgt Ion: 97 Resp: 46485
Ion Ratio Lower Upper
97 100
99 64.5 51.8 77.6
61 43.3 34.4 51.6



#31
Carbon tetrachloride
Concen: 3.278 ug/L
RT: 5.324 min Scan# 1239
Delta R.T. -0.206 min
Lab File: VU046288.D
Acq: 11 Dec 2021 15:50

Tgt Ion: 117 Resp: 6313
Ion Ratio Lower Upper
117 100
119 89.2 75.7 113.5





#35

Methylcyclohexane

Concen: 8.485 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU046288.D

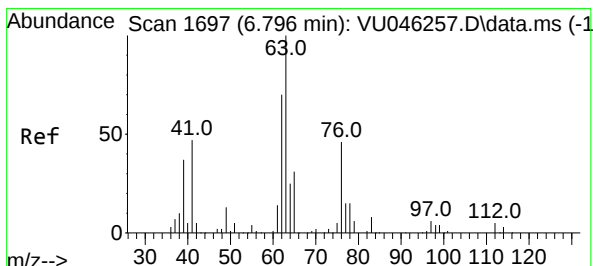
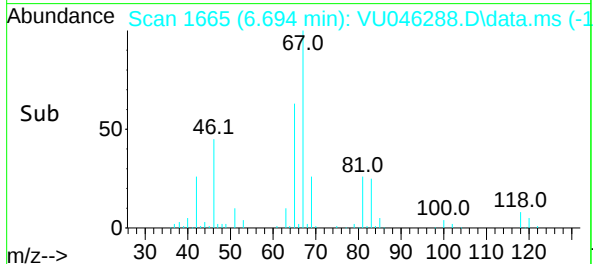
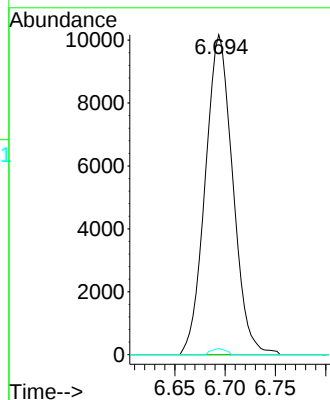
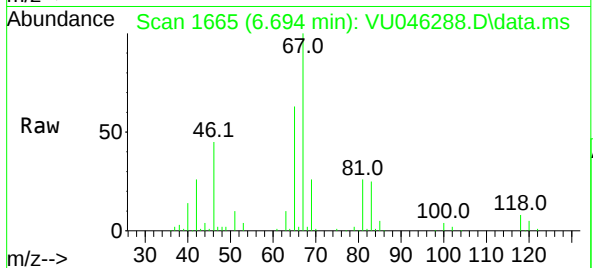
Acq: 11 Dec 2021 15:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 19389
Ion Ratio	Lower Upper
83 100	
55 0.0	57.8 86.6#
98 1.0	38.4 57.6#



#37

1,2-Dichloropropane

Concen: 5.864 ug/L

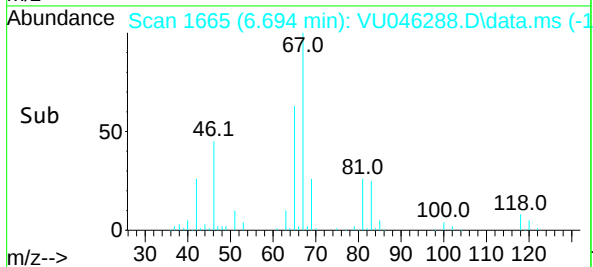
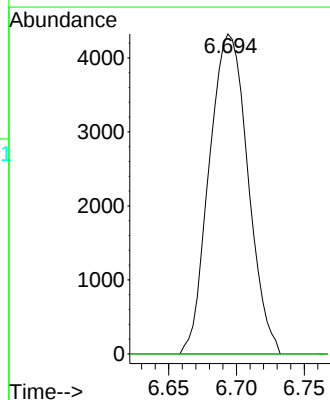
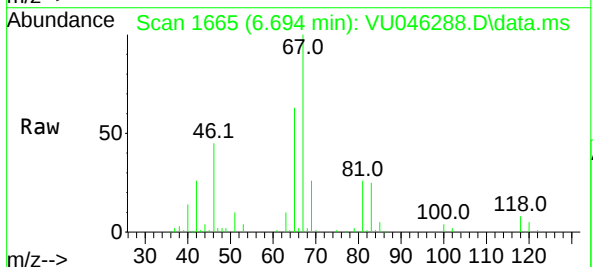
RT: 6.694 min Scan# 1665

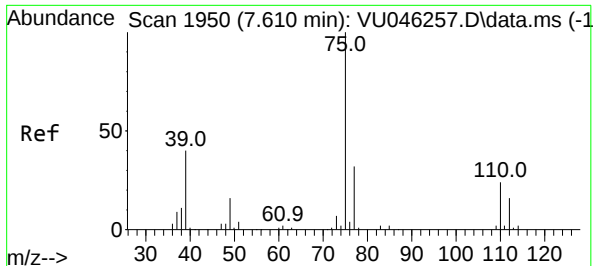
Delta R.T. -0.100 min

Lab File: VU046288.D

Acq: 11 Dec 2021 15:50

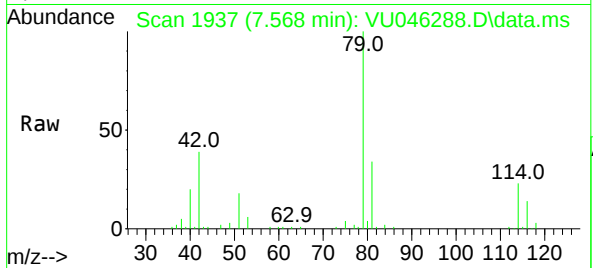
Tgt Ion: 63	Resp: 8593
Ion Ratio	Lower Upper
63 100	
112 0.0	3.8 5.6#



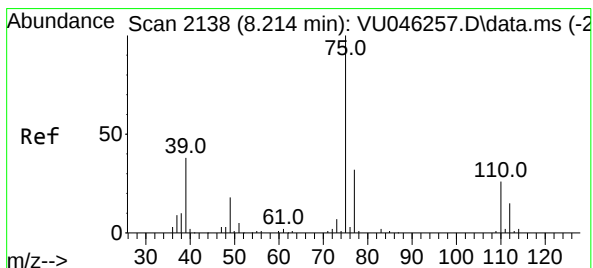
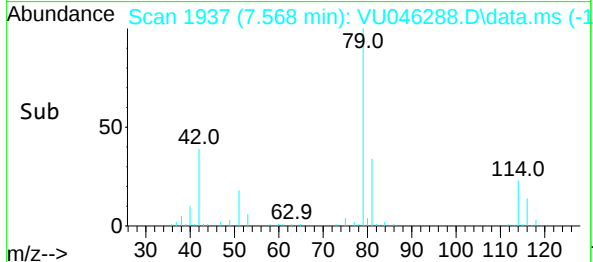
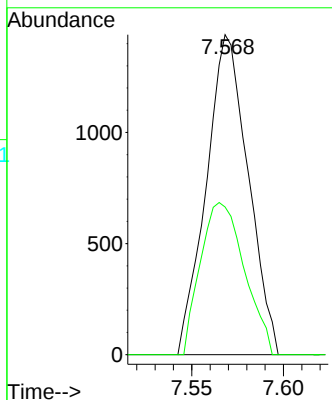


#39
 cis-1,3-Dichloropropene
 Concen: 1.026 ug/L
 RT: 7.568 min Scan# 1950
 Delta R.T. -0.042 min
 Lab File: VU046288.D
 Acq: 11 Dec 2021 15:50

Instrument :
 MSVOA_U
 ClientSampleId :

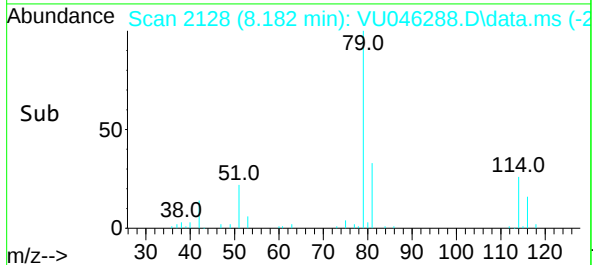
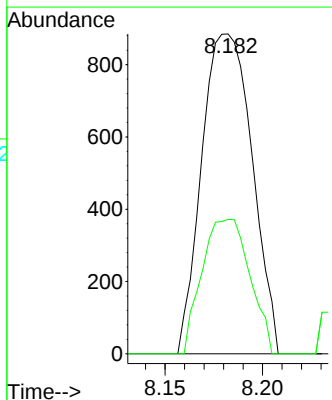
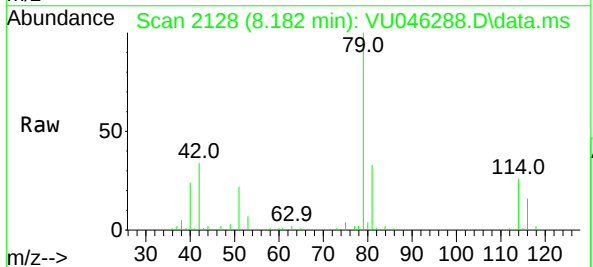


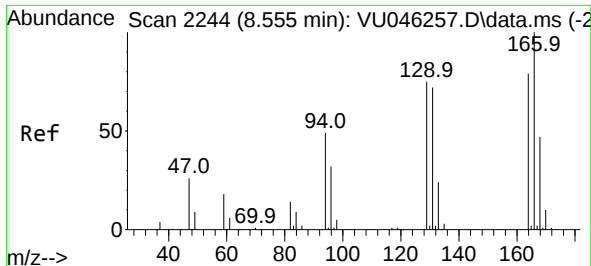
Tgt Ion: 75 Resp: 2287
 Ion Ratio Lower Upper
 75 100
 77 46.2 21.8 40.6#



#44
 trans-1,3-Dichloropropene
 Concen: 0.727 ug/L
 RT: 8.182 min Scan# 2128
 Delta R.T. -0.032 min
 Lab File: VU046288.D
 Acq: 11 Dec 2021 15:50

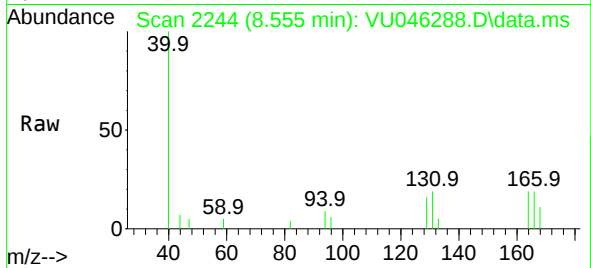
Tgt Ion: 75 Resp: 1592
 Ion Ratio Lower Upper
 75 100
 77 42.0 21.7 40.3#



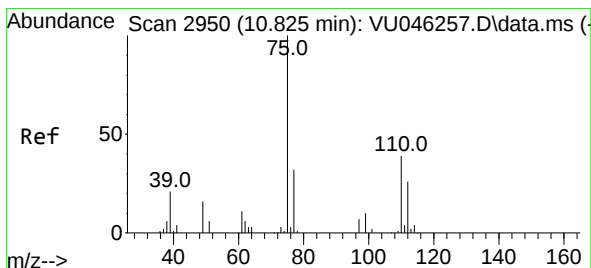
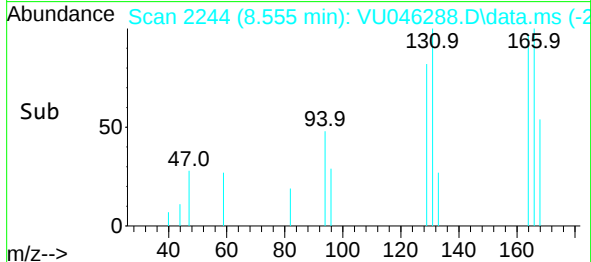
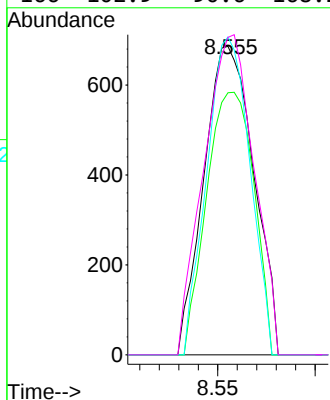


#46
Tetrachloroethene
Concen: 1.129 ug/L
RT: 8.555 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046288.D
Acq: 11 Dec 2021 15:50

Instrument :
MSVOA_U
ClientSampleId :



Tgt	Ion:164	Resp:	1223
Ion	Ratio	Lower	Upper
164	100		
129	85.0	71.1	132.1
131	103.1	67.8	126.0
166	102.9	90.6	168.2



#60
1,2,3-Trichloropropane
Concen: 5.348 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046288.D
Acq: 11 Dec 2021 15:50

Tgt Ion: 75	Resp:	11158	
Ion Ratio	Lower	Upper	
75 100			
77 34.1	26.4	39.6	
110 2.2	32.4	48.6#	

