

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120721\
 Data File : VU046132.D
 Acq On : 07 Dec 2021 12:06
 Operator : SY/MD
 Sample : M4869-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 08 04:52:27 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)

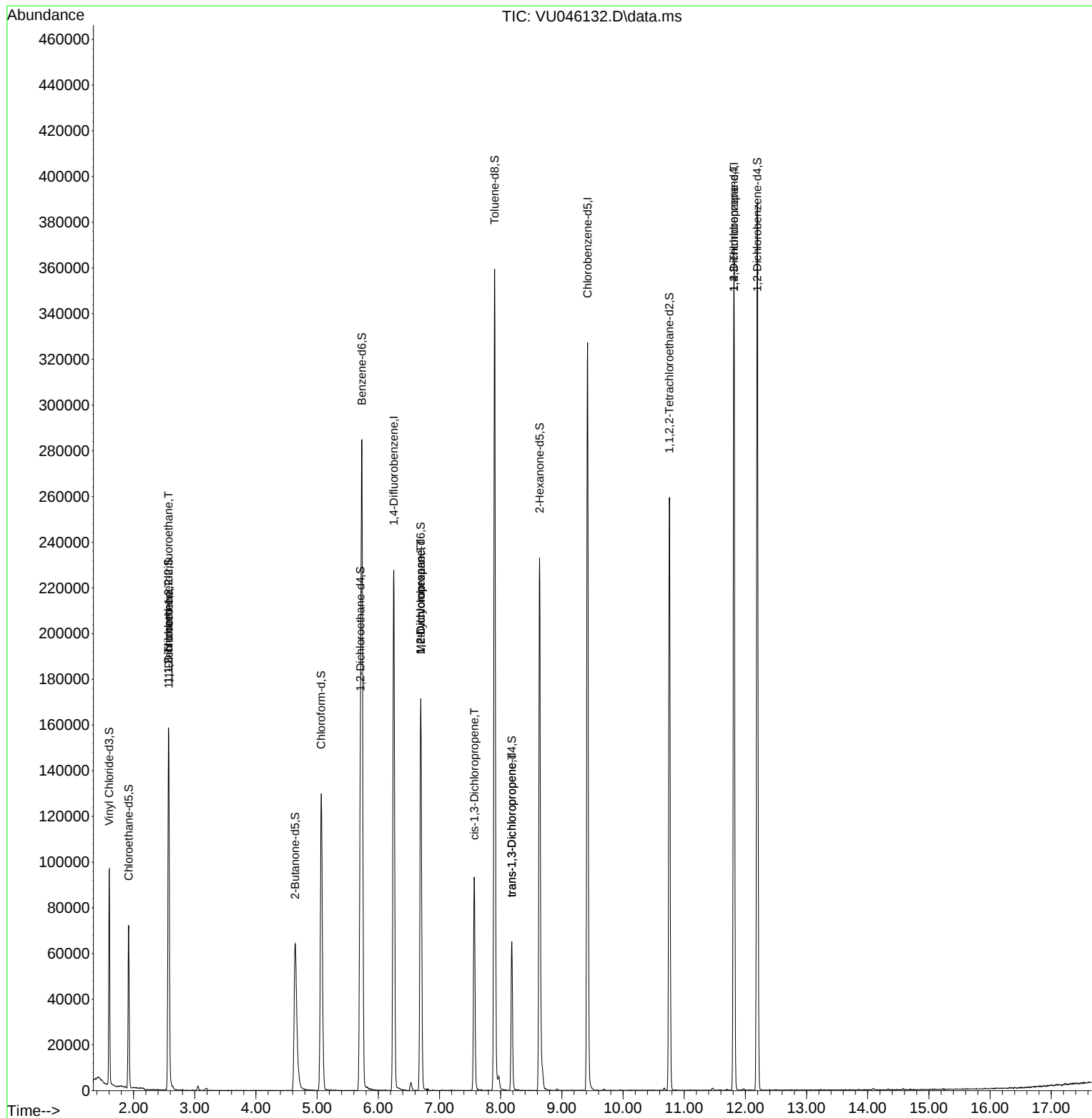
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	191983	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	189999	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	99028	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	65888	41.663	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	83.320%		
7) Chloroethane-d5	1.919	69	51407	42.337	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	84.680%		
11) 1,1-Dichloroethene-d2	2.572	63	94155	33.165	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	66.320%		
21) 2-Butanone-d5	4.642	46	122848	97.717	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.720%		
24) Chloroform-d	5.067	84	120995	45.815	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.620%		
26) 1,2-Dichloroethane-d4	5.706	65	84087	47.443	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.880%		
32) Benzene-d6	5.732	84	269673	49.520	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.040%		
36) 1,2-Dichloropropane-d6	6.694	67	82612	48.949	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.900%		
41) Toluene-d8	7.902	98	247014	49.818	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.640%		
43) trans-1,3-Dichloroprop...	8.182	79	37841	46.447	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.900%		
47) 2-Hexanone-d5	8.636	63	86059	107.546	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	107.550%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	128098	50.048	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	100.100%		
66) 1,2-Dichlorobenzene-d4	12.195	152	102876	53.944	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.880%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	808	0.578	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	722	0.544	ug/L #	1
35) Methylcyclohexane	6.694	83	19844	8.448	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	8653	5.744	ug/L #	86
39) cis-1,3-Dichloropropene	7.571	75	2046	0.893	ug/L #	50
44) trans-1,3-Dichloropropene	8.182	75	1515	0.673	ug/L #	78
60) 1,2,3-Trichloropropane	11.812	75	11101	5.114	ug/L #	65

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

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Response via : Initial Calibration





#10

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

Concen: 0.578 ug/L

RT: 2.572 min Scan# 383

Delta R.T. -0.016 min

Lab File: VU046132.D

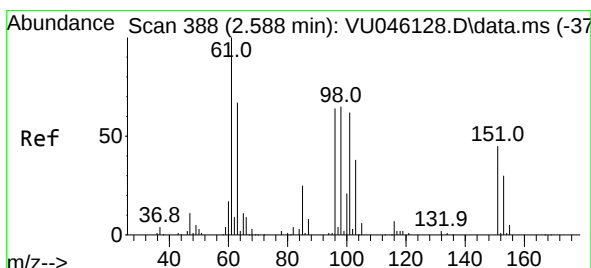
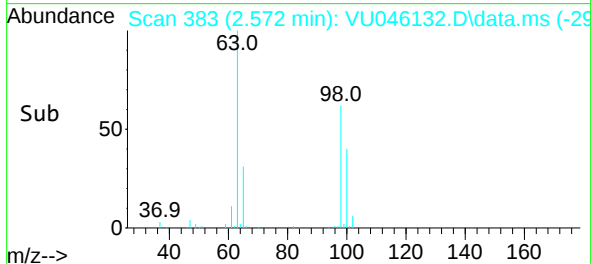
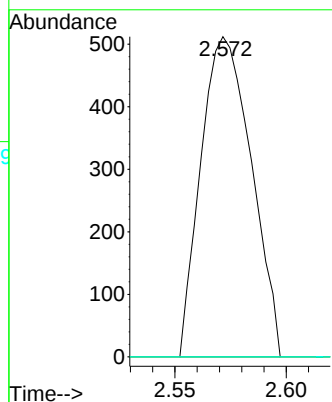
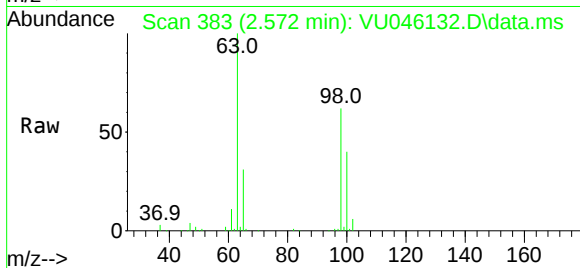
Acq: 07 Dec 2021 12:06

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	101	Resp:	808
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: 0.544 ug/L

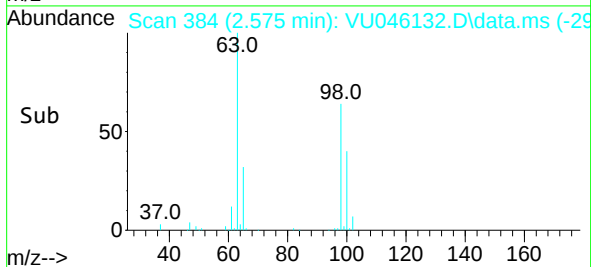
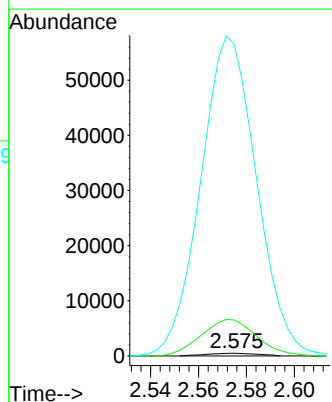
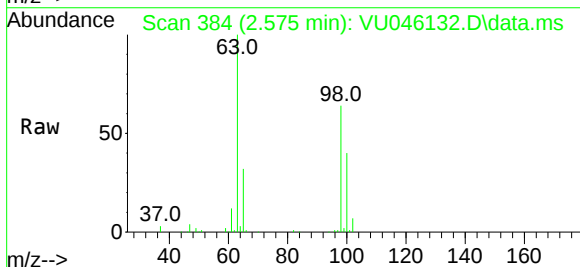
RT: 2.575 min Scan# 384

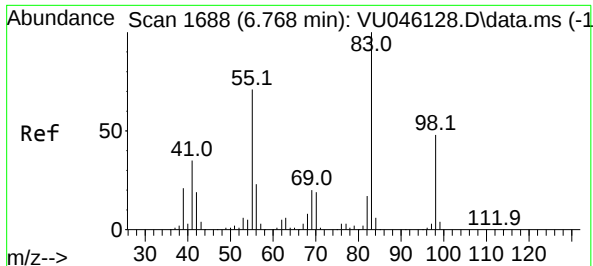
Delta R.T. -0.010 min

Lab File: VU046132.D

Acq: 07 Dec 2021 12:06

Tgt Ion:	96	Resp:	722
Ion	Ratio	Lower	Upper
96	100		
61	1342.8	118.6	220.2#
63	11646.1	93.0	172.8#





#35

Methylcyclohexane

Concen: 8.448 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU046132.D

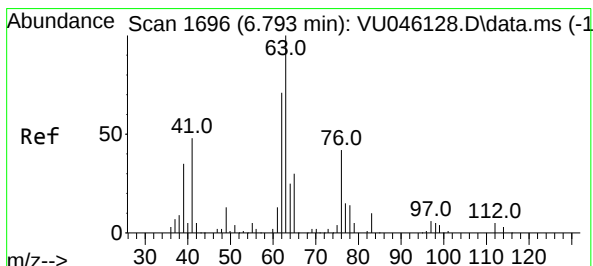
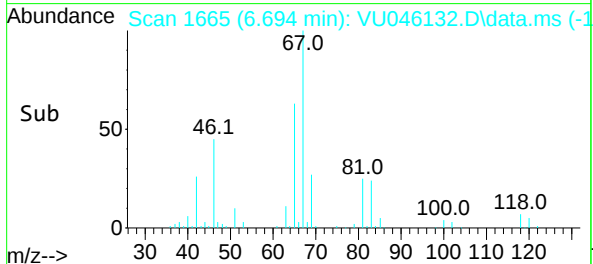
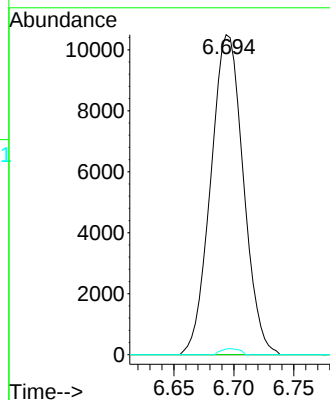
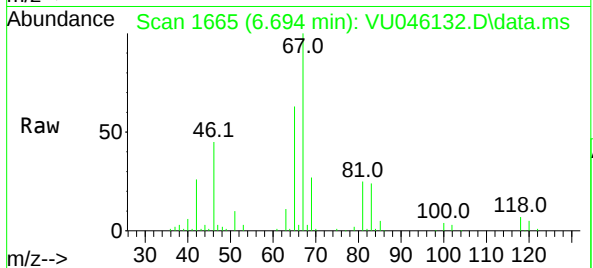
Acq: 07 Dec 2021 12:06

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 19844
Ion Ratio	Lower Upper
83 100	
55 0.0	57.8 86.6#
98 1.1	38.4 57.6#



#37

1,2-Dichloropropane

Concen: 5.744 ug/L

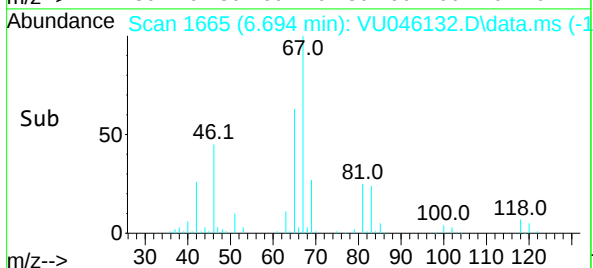
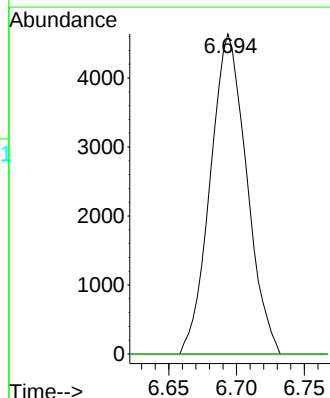
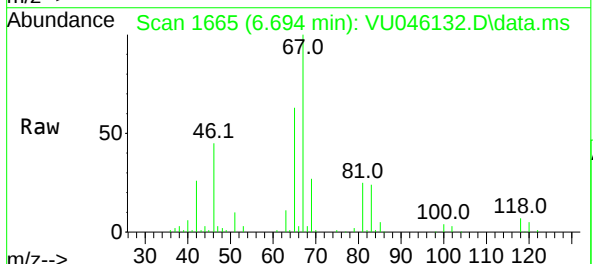
RT: 6.694 min Scan# 1665

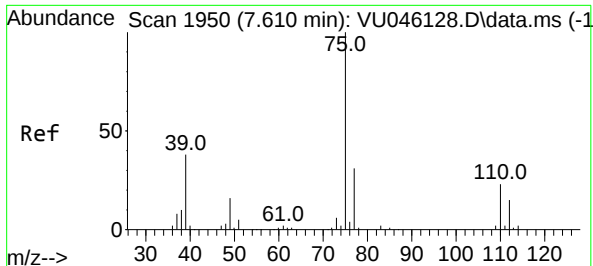
Delta R.T. -0.100 min

Lab File: VU046132.D

Acq: 07 Dec 2021 12:06

Tgt Ion: 63	Resp: 8653
Ion Ratio	Lower Upper
63 100	
112 0.0	3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.893 ug/L

RT: 7.571 min Scan# 19

Delta R.T. -0.039 min

Lab File: VU046132.D

Acq: 07 Dec 2021 12:06

Instrument :

MSVOA_U

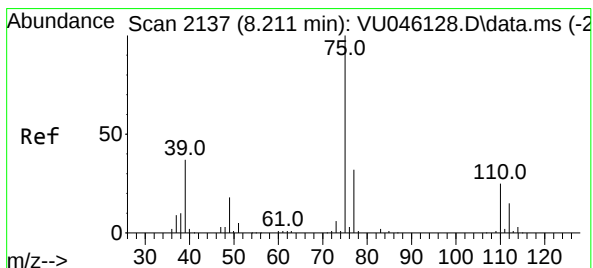
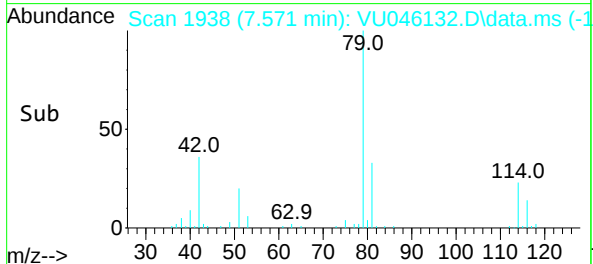
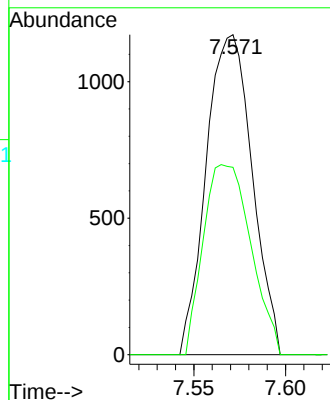
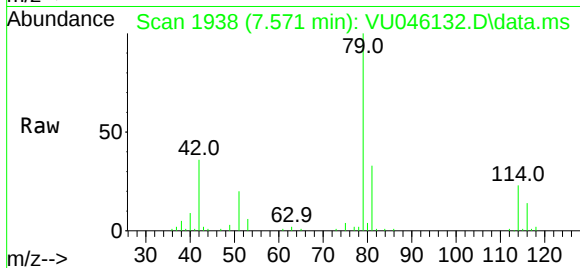
ClientSampleId :

Tgt Ion: 75 Resp: 2046

Ion Ratio Lower Upper

75 100

77 58.5 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.673 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.032 min

Lab File: VU046132.D

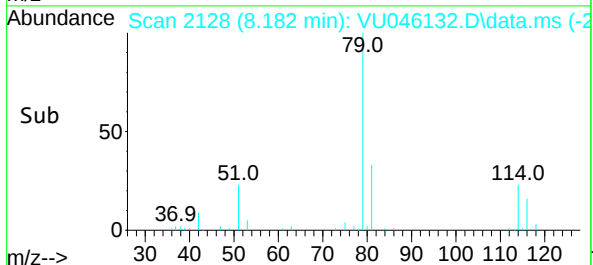
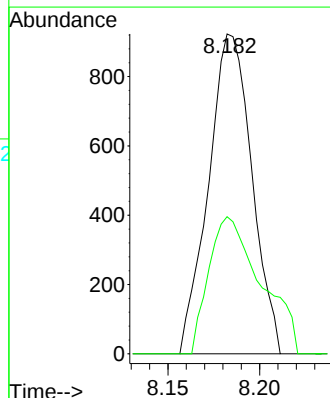
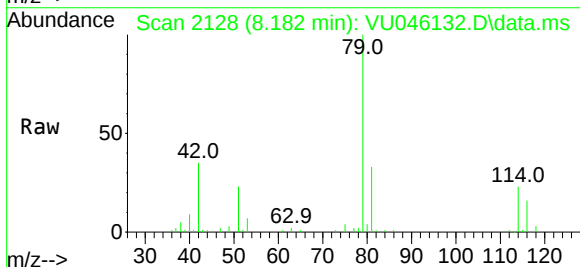
Acq: 07 Dec 2021 12:06

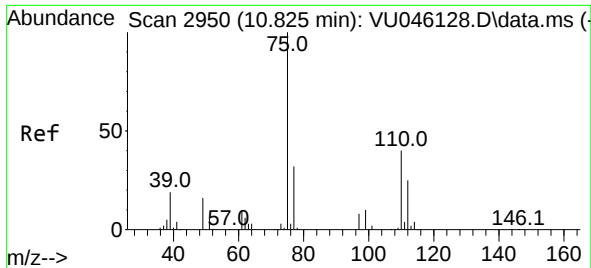
Tgt Ion: 75 Resp: 1515

Ion Ratio Lower Upper

75 100

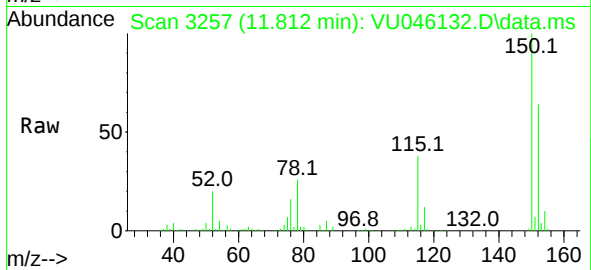
77 42.9 21.7 40.3#





#60
 1,2,3-Trichloropropane
 Concen: 5.114 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU046132.D
 Acq: 07 Dec 2021 12:06

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.4	39.6
110	2.1	32.4	48.6#

