

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
 Data File : VU046219.D
 Acq On : 09 Dec 2021 14:47
 Operator : SY/MD
 Sample : M4982-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 03:44:38 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

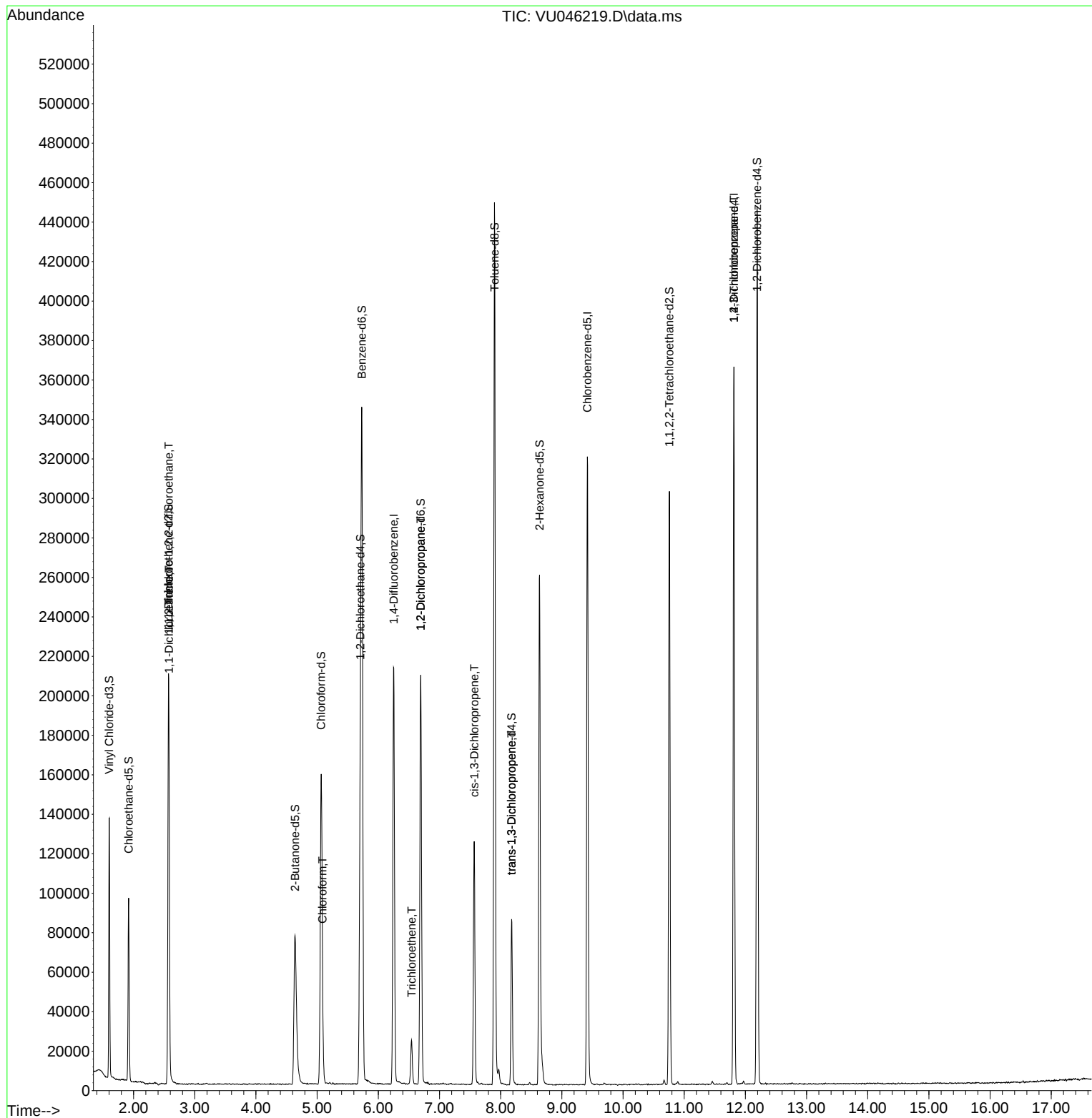
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	178035	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	183747	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	97536	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	92295	62.933	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	125.860%		
7) Chloroethane-d5	1.919	69	67852	60.259	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	120.520%		
11) 1,1-Dichloroethene-d2	2.572	63	124518	47.296	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.600%		
21) 2-Butanone-d5	4.639	46	137956	118.331	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	118.330%		
24) Chloroform-d	5.067	84	144848	59.144	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	118.280%		
26) 1,2-Dichloroethane-d4	5.707	65	100032	60.861	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	121.720%		
32) Benzene-d6	5.732	84	330335	62.724	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	125.440%#		
36) 1,2-Dichloropropane-d6	6.694	67	100813	61.766	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	123.540%#		
41) Toluene-d8	7.899	98	298356	62.221	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	124.440%#		
43) trans-1,3-Dichloroprop...	8.179	79	48981	62.166	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	124.340%		
47) 2-Hexanone-d5	8.636	63	95987	124.034	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	124.030%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	149170	60.264	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	120.520%#		
66) 1,2-Dichlorobenzene-d4	12.192	152	118139	62.894	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	125.780%#		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	1057	0.816	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	1167	0.948	ug/L #	1
25) Chloroform	5.089	83	11510	4.374	ug/L	92
34) Trichloroethene	6.546	95	6087	4.155	ug/L	97
37) 1,2-Dichloropropane	6.694	63	10856	7.452	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	3085	1.392	ug/L #	63
44) trans-1,3-Dichloropropene	8.179	75	2105	0.967	ug/L	98
60) 1,2,3-Trichloropropane	11.812	75	11288	5.280	ug/L #	65

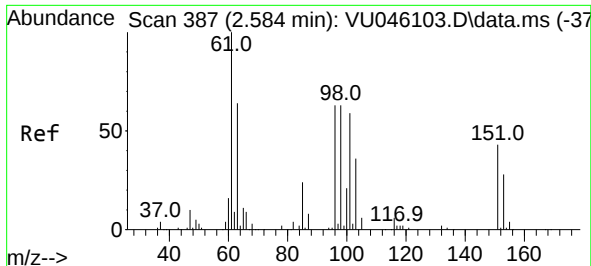
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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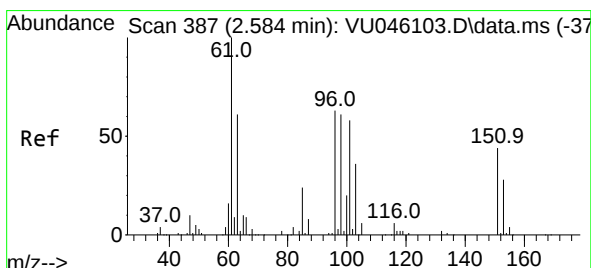
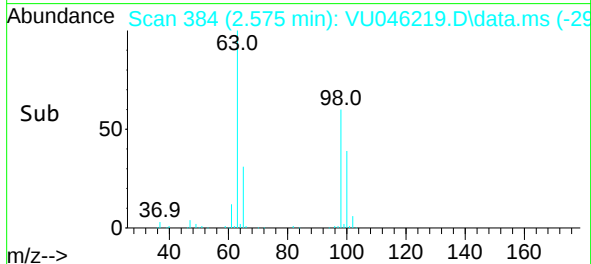
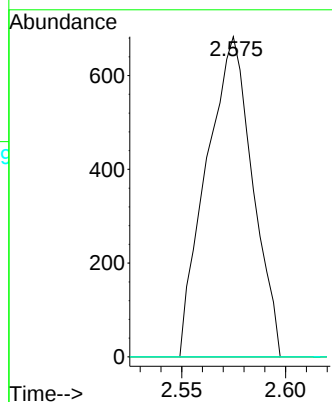
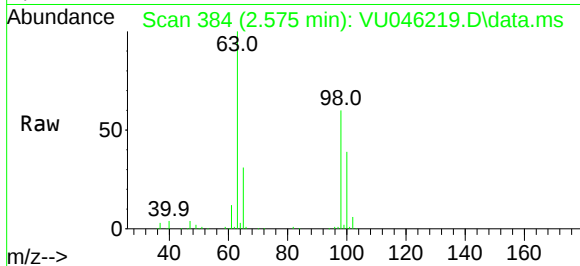




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.816 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.013 min
Lab File: VU046219.D
Acq: 09 Dec 2021 14:47

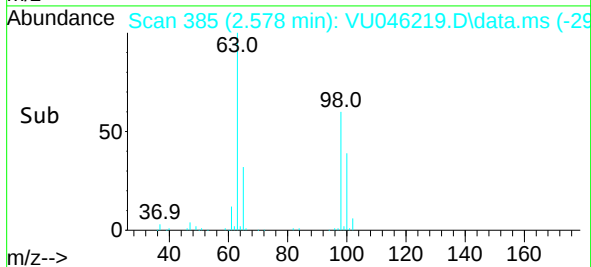
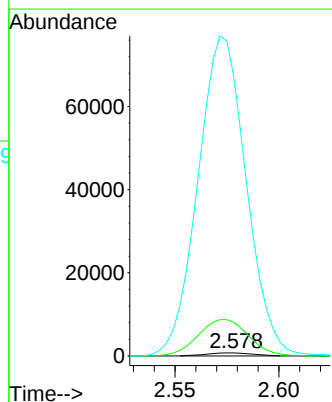
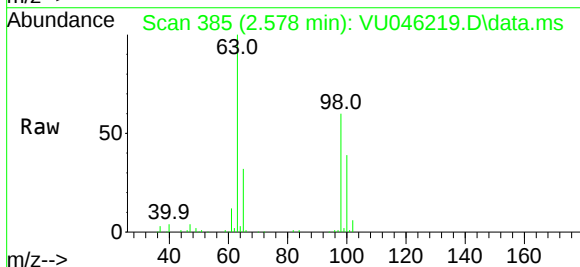
Instrument :
MSVOA_U
ClientSampleId :

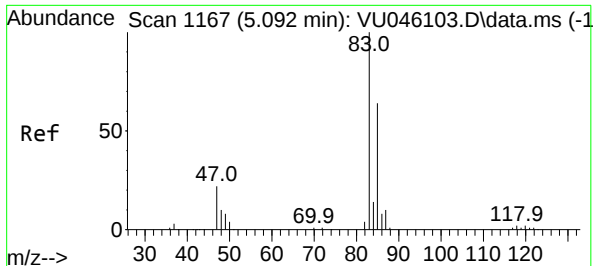
Tgt Ion:101 Resp: 1057
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 0.948 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.006 min
Lab File: VU046219.D
Acq: 09 Dec 2021 14:47

Tgt Ion: 96 Resp: 1167
Ion Ratio Lower Upper
96 100
61 1095.1 118.6 220.2#
63 9157.4 93.0 172.8#





#25

Chloroform

Concen: 4.374 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU046219.D

Acq: 09 Dec 2021 14:47

Instrument :

MSVOA_U

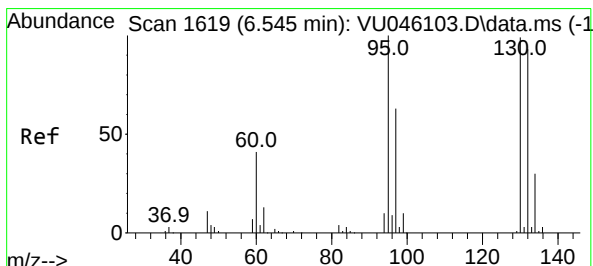
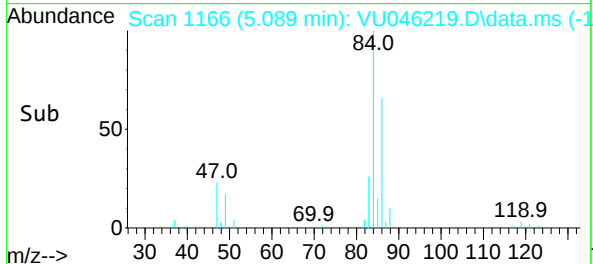
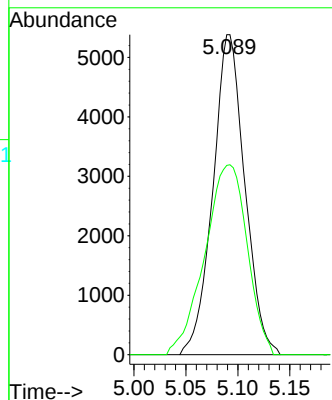
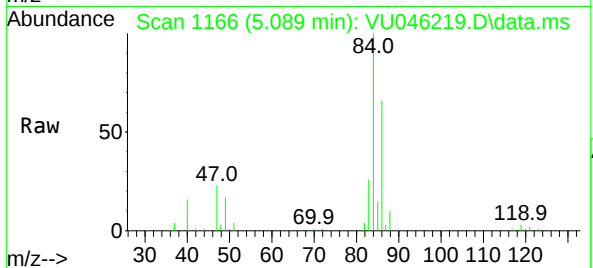
ClientSampleId :

Tgt Ion: 83 Resp: 11510

Ion Ratio Lower Upper

83 100

85 59.2 45.8 85.2



#34

Trichloroethene

Concen: 4.155 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VU046219.D

Acq: 09 Dec 2021 14:47

Tgt Ion: 95 Resp: 6087

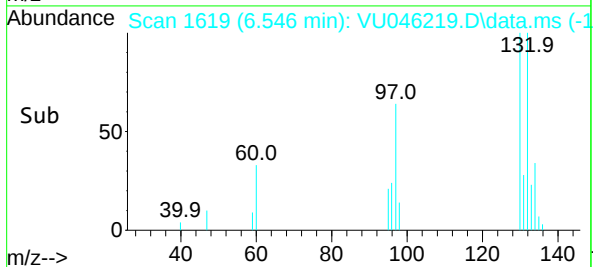
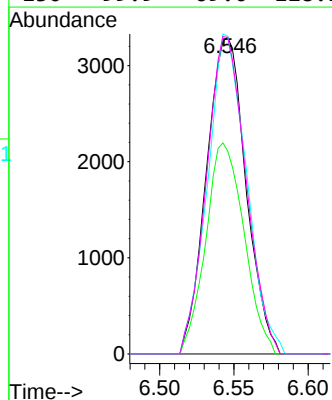
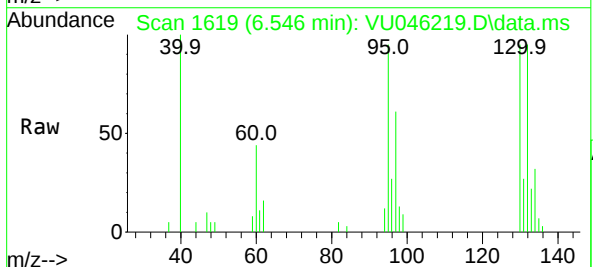
Ion Ratio Lower Upper

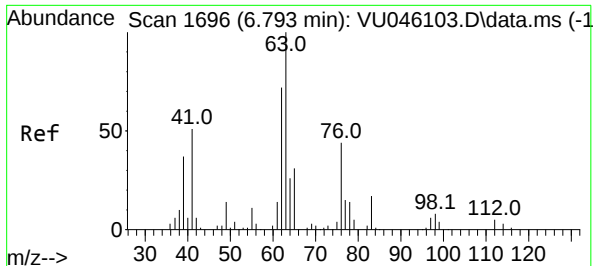
95 100

97 64.1 44.1 81.9

132 100.3 66.8 124.0

130 99.9 69.0 128.1





#37

1,2-Dichloropropane

Concen: 7.452 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046219.D

Acq: 09 Dec 2021 14:47

Instrument :

MSVOA_U

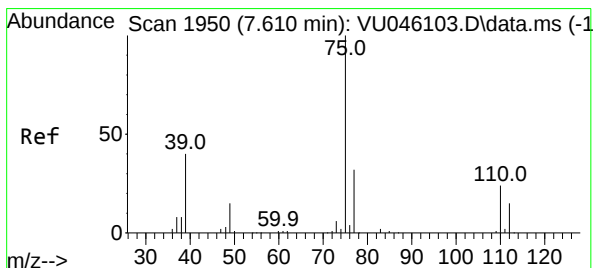
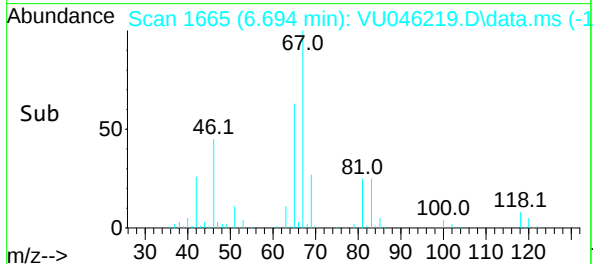
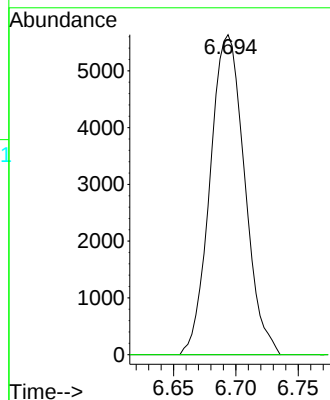
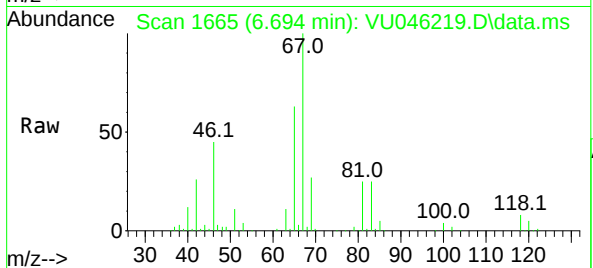
ClientSampleId :

Tgt Ion: 63 Resp: 10856

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 1.392 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046219.D

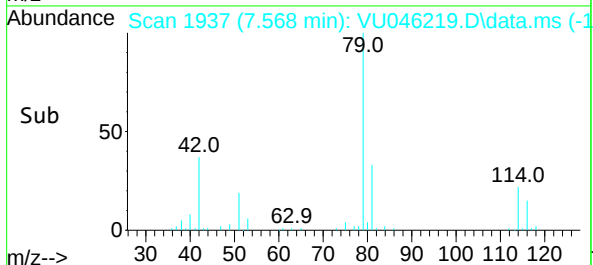
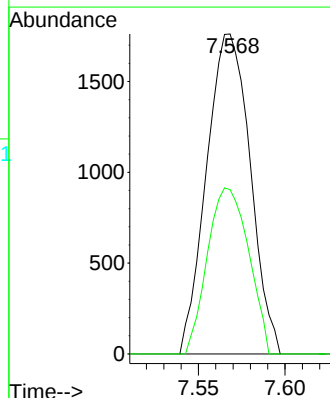
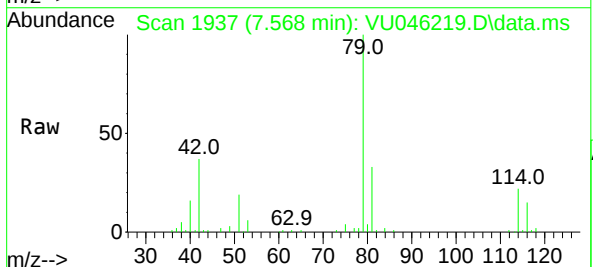
Acq: 09 Dec 2021 14:47

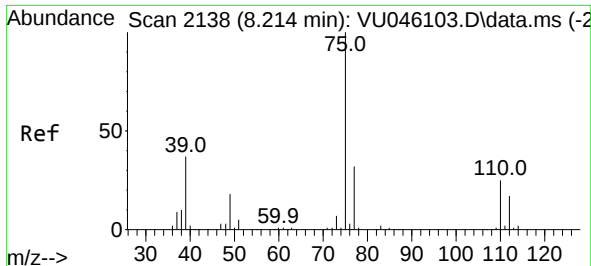
Tgt Ion: 75 Resp: 3085

Ion Ratio Lower Upper

75 100

77 51.4 21.8 40.6#

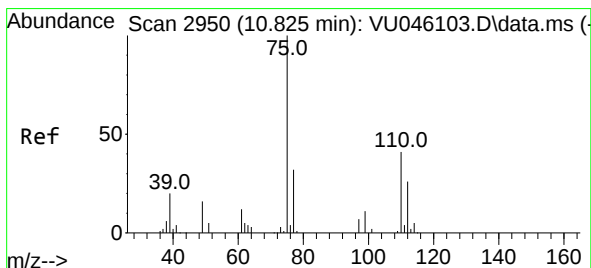
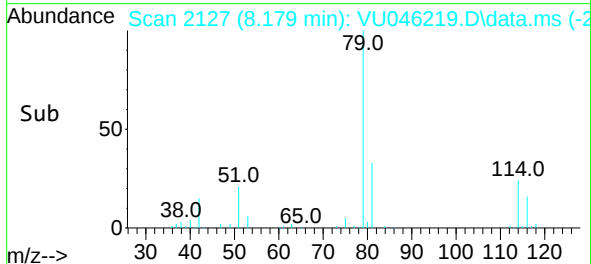
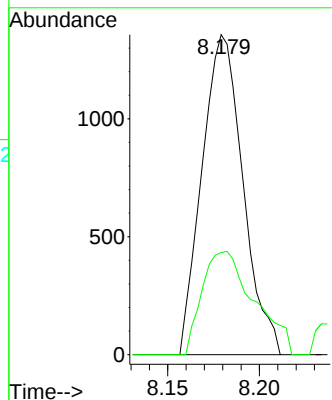
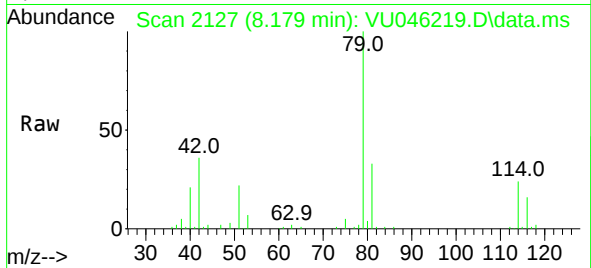




#44
trans-1,3-Dichloropropene
Concen: 0.967 ug/L
RT: 8.179 min Scan# 2138
Delta R.T. -0.035 min
Lab File: VU046219.D
Acq: 09 Dec 2021 14:47

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 2105
Ion Ratio Lower Upper
75 100
77 31.9 21.7 40.3



#60
1,2,3-Trichloropropane
Concen: 5.280 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046219.D
Acq: 09 Dec 2021 14:47

Tgt Ion: 75 Resp: 11288
Ion Ratio Lower Upper
75 100
77 31.2 26.4 39.6
110 2.6 32.4 48.6#

