

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121021\
 Data File : VU046274.D
 Acq On : 10 Dec 2021 18:38
 Operator : SY/MD
 Sample : M4943-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 22:25:47 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)

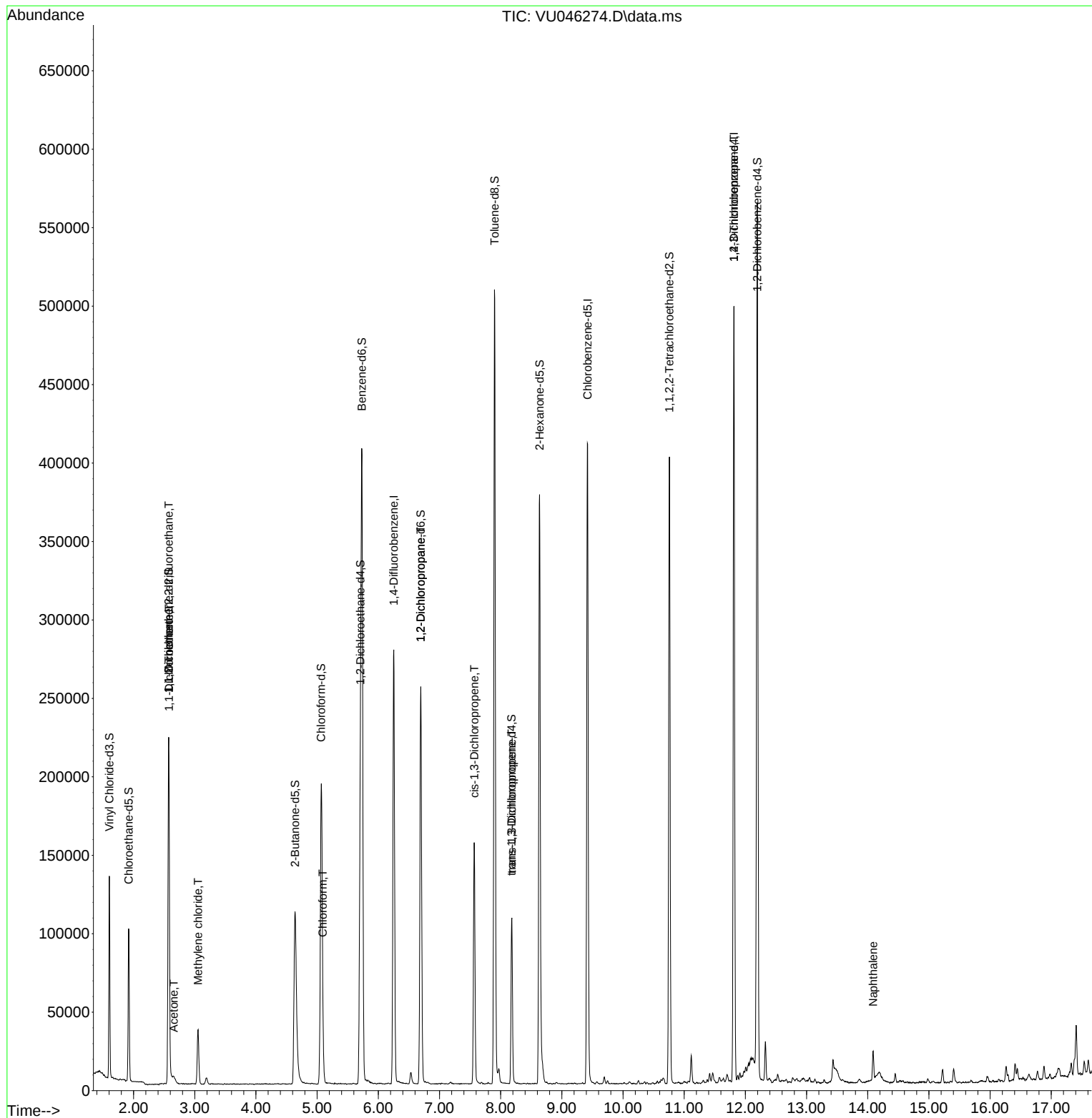
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	229565	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	238411	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	131578	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	88869	46.995	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	93.980%		
7) Chloroethane-d5	1.919	69	71644	49.344	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.680%		
11) 1,1-Dichloroethene-d2	2.575	63	129303	38.089	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	76.180%		
21) 2-Butanone-d5	4.639	46	193420	128.665	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	128.660%		
24) Chloroform-d	5.067	84	180331	57.104	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	114.200%		
26) 1,2-Dichloroethane-d4	5.707	65	124962	58.963	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	117.920%		
32) Benzene-d6	5.732	84	380160	55.634	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	111.260%		
36) 1,2-Dichloropropane-d6	6.694	67	123124	58.139	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	116.280%		
41) Toluene-d8	7.899	98	342856	55.107	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	110.220%		
43) trans-1,3-Dichloroprop...	8.179	79	62120	60.764	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	121.520%		
47) 2-Hexanone-d5	8.636	63	139117	138.548	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	138.550%#		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	197767	61.578	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	123.160%#		
66) 1,2-Dichlorobenzene-d4	12.195	152	148406	58.567	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	117.140%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	1173	0.702	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	1051	0.662	ug/L #	1
13) Acetone	2.658	43	7385	3.931	ug/L	94
16) Methylene chloride	3.054	84	17415	9.222	ug/L	94
25) Chloroform	5.092	83	15086	4.446	ug/L	99
37) 1,2-Dichloropropane	6.694	63	12750	6.745	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	3787	1.317	ug/L #	76
44) trans-1,3-Dichloropropene	8.182	75	2494	0.883	ug/L	93
60) 1,2,3-Trichloropropane	11.812	75	15314	5.309	ug/L #	66
71) Naphthalene	14.089	128	16037	1.753	ug/L	98

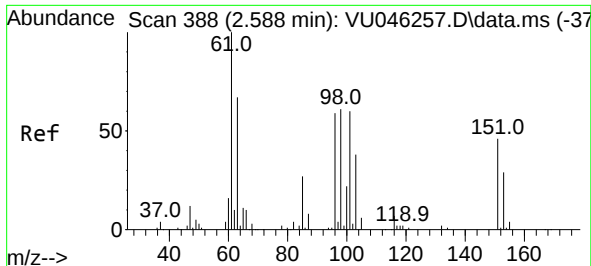
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration





#10

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

Concen: 0.702 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.013 min

Lab File: VU046274.D

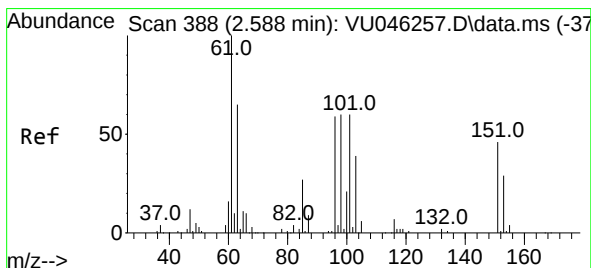
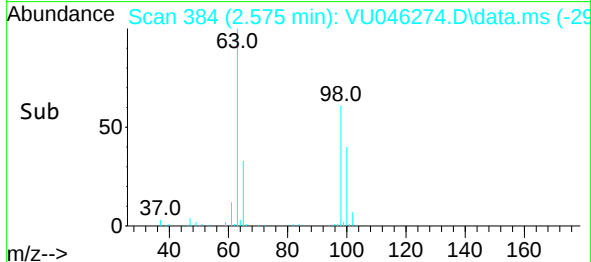
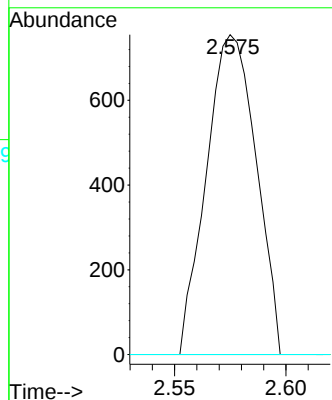
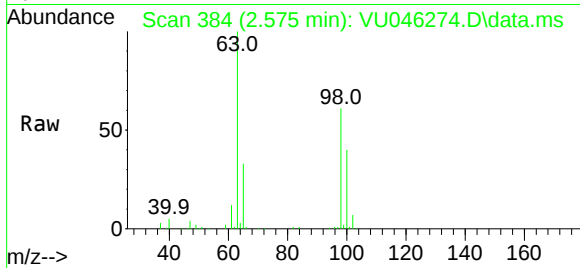
Acq: 10 Dec 2021 18:38

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	101	Resp:	1173
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: 0.662 ug/L

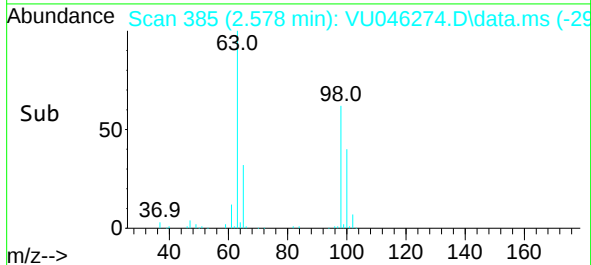
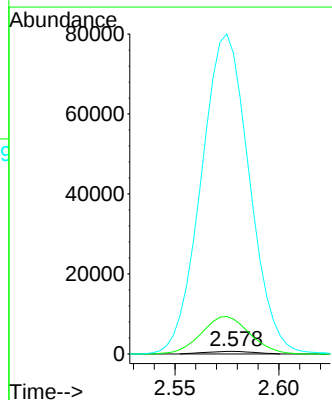
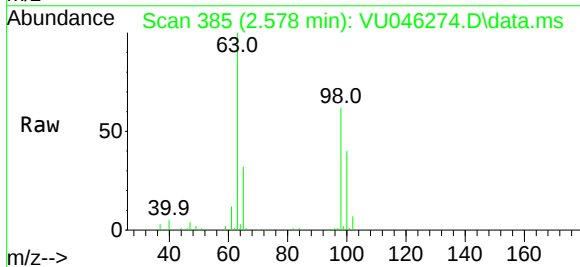
RT: 2.578 min Scan# 385

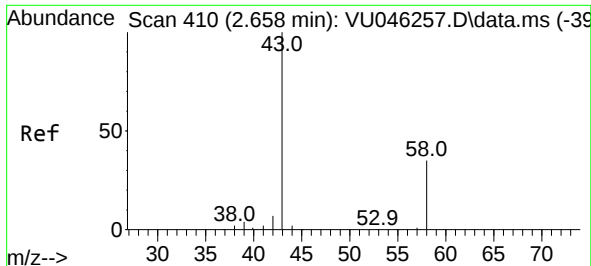
Delta R.T. -0.006 min

Lab File: VU046274.D

Acq: 10 Dec 2021 18:38

Tgt Ion:	96	Resp:	1051
Ion	Ratio	Lower	Upper
96	100		
61	1339.2	118.6	220.2#
63	11546.5	93.0	172.8#





#13

Acetone

Concen: 3.931 ug/L

RT: 2.658 min Scan# 410

Delta R.T. -0.003 min

Lab File: VU046274.D

Acq: 10 Dec 2021 18:38

Instrument :

MSVOA_U

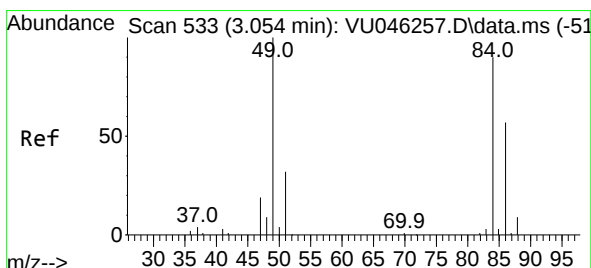
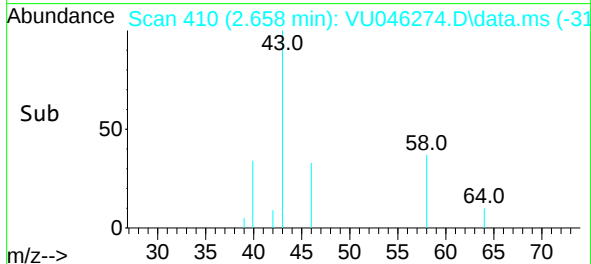
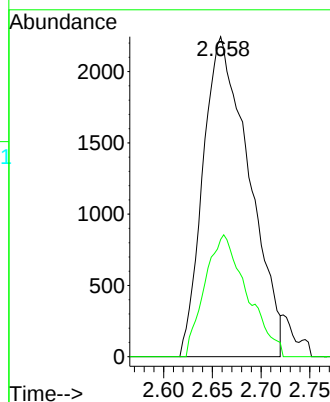
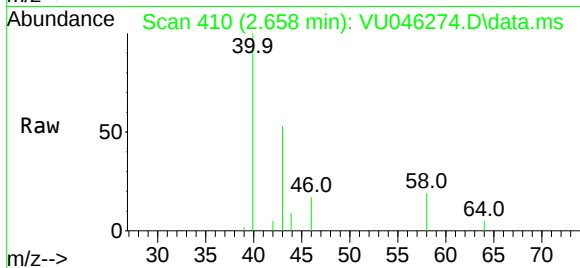
ClientSampleId :

Tgt Ion: 43 Resp: 7385

Ion Ratio Lower Upper

43 100

58 30.2 0.0 66.8



#16

Methylene chloride

Concen: 9.222 ug/L

RT: 3.054 min Scan# 533

Delta R.T. 0.003 min

Lab File: VU046274.D

Acq: 10 Dec 2021 18:38

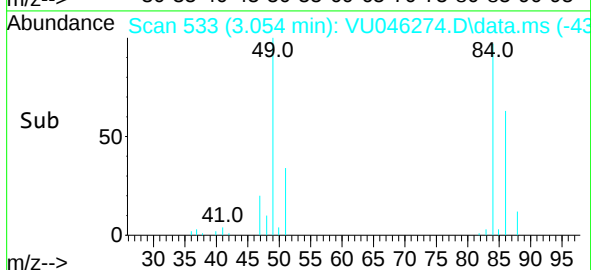
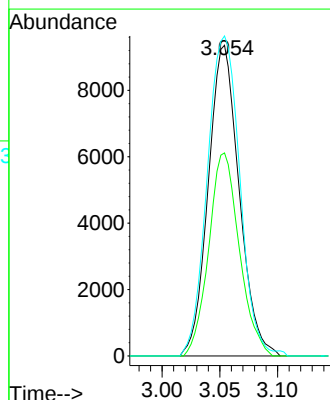
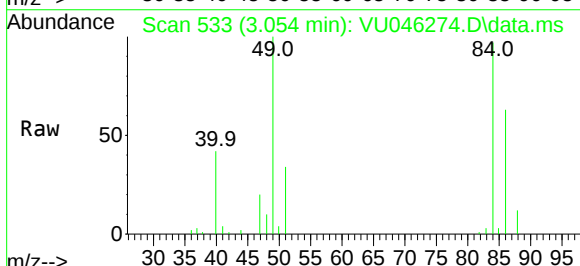
Tgt Ion: 84 Resp: 17415

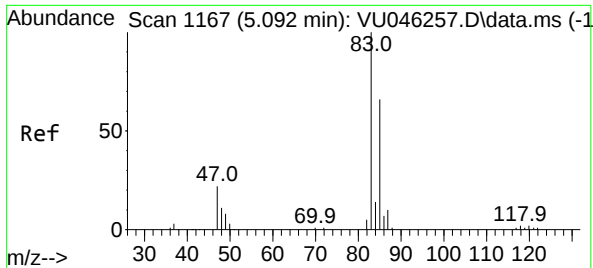
Ion Ratio Lower Upper

84 100

86 65.4 44.7 83.1

49 103.0 78.4 145.6





#25

Chloroform

Concen: 4.446 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU046274.D

Acq: 10 Dec 2021 18:38

Instrument :

MSVOA_U

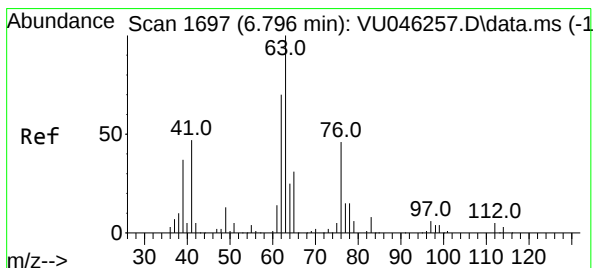
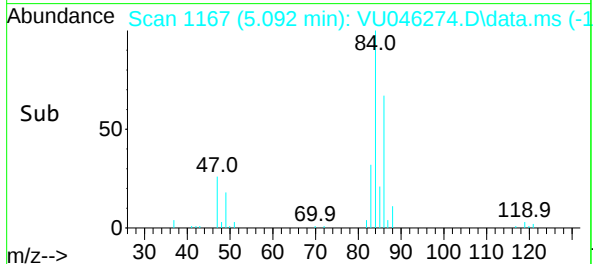
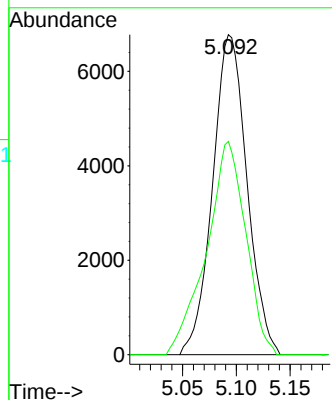
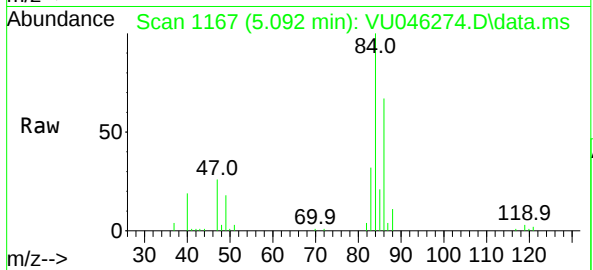
ClientSampleId :

Tgt Ion: 83 Resp: 15086

Ion Ratio Lower Upper

83 100

85 66.6 45.8 85.2



#37

1,2-Dichloropropane

Concen: 6.745 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.100 min

Lab File: VU046274.D

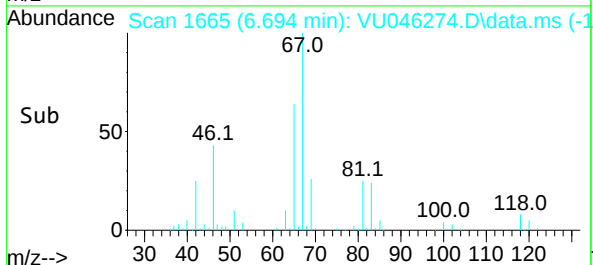
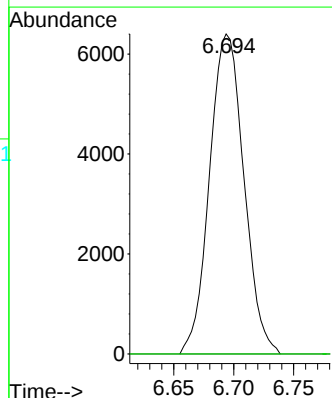
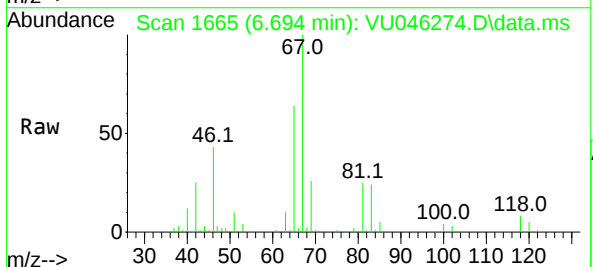
Acq: 10 Dec 2021 18:38

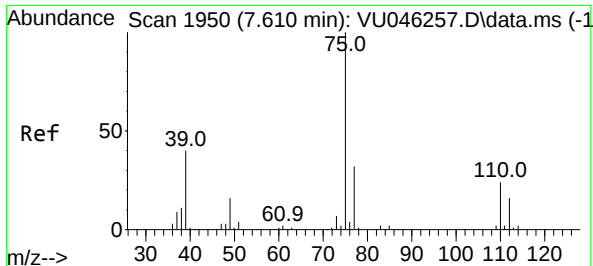
Tgt Ion: 63 Resp: 12750

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 1.317 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

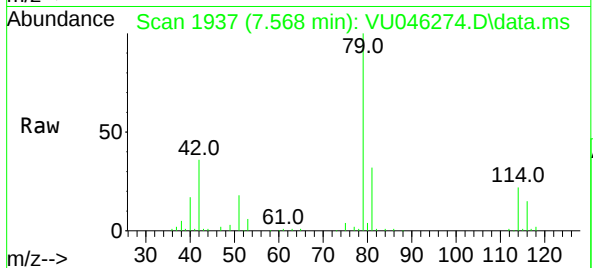
Lab File: VU046274.D

Acq: 10 Dec 2021 18:38

Instrument :

MSVOA_U

ClientSampleId :

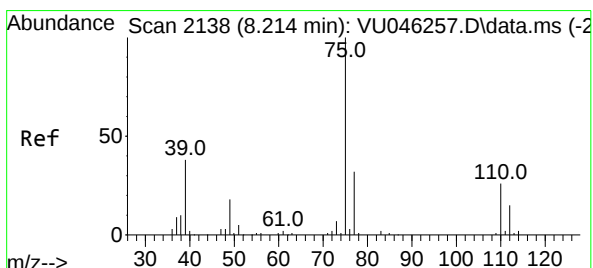
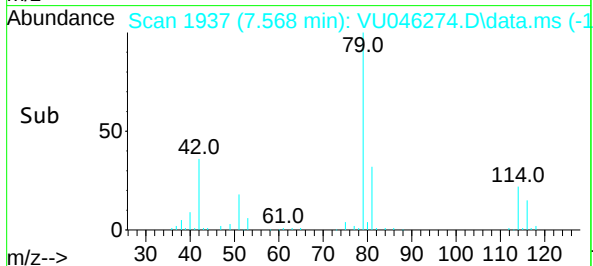
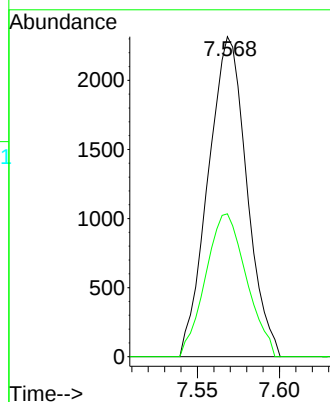


Tgt Ion: 75 Resp: 3787

Ion Ratio Lower Upper

75 100

77 44.6 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.883 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.032 min

Lab File: VU046274.D

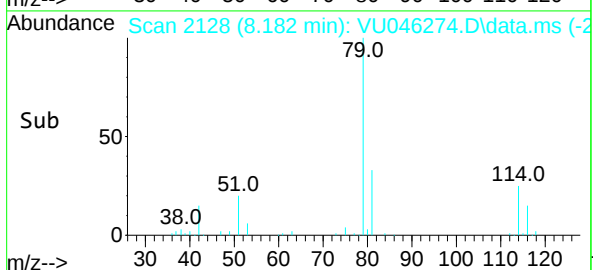
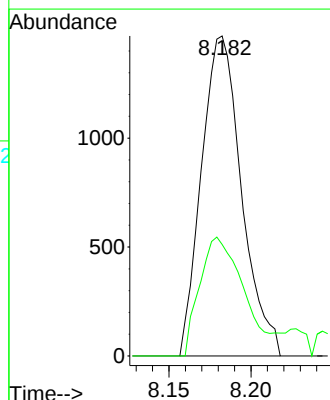
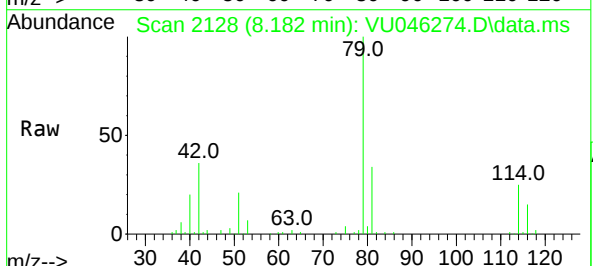
Acq: 10 Dec 2021 18:38

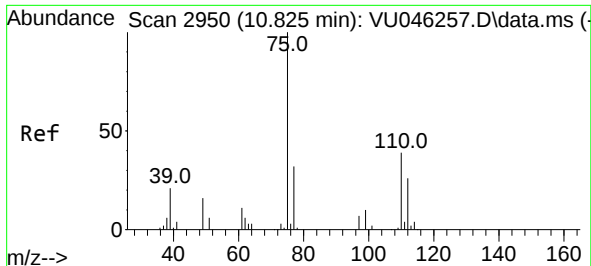
Tgt Ion: 75 Resp: 2494

Ion Ratio Lower Upper

75 100

77 34.9 21.7 40.3

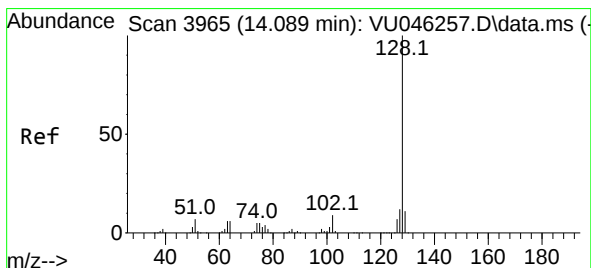
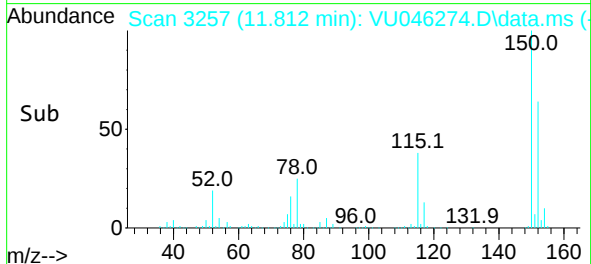
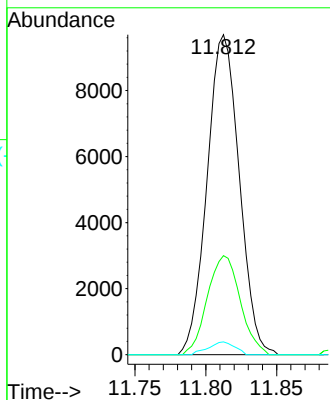
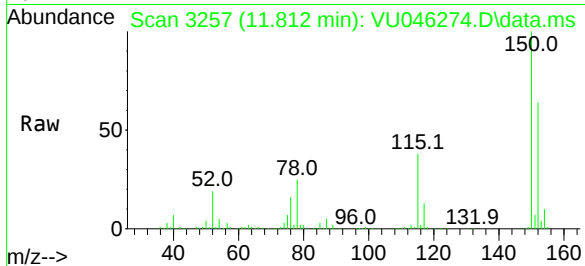




#60
1,2,3-Trichloropropane
Concen: 5.309 ug/L
RT: 11.812 min Scan# 31
Delta R.T. 0.987 min
Lab File: VU046274.D
Acq: 10 Dec 2021 18:38

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MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 15314
Ion Ratio Lower Upper
75 100
77 31.6 26.4 39.6
110 3.3 32.4 48.6#



#71
Naphthalene
Concen: 1.753 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU046274.D
Acq: 10 Dec 2021 18:38

Tgt Ion:128 Resp: 16037
Ion Ratio Lower Upper
128 100
127 11.8 10.1 15.1
129 11.7 8.6 13.0

