

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121621\
 Data File : VU046424.D
 Acq On : 16 Dec 2021 16:24
 Operator : SY/MD
 Sample : M5037-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 01:53:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 17 01:49:40 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

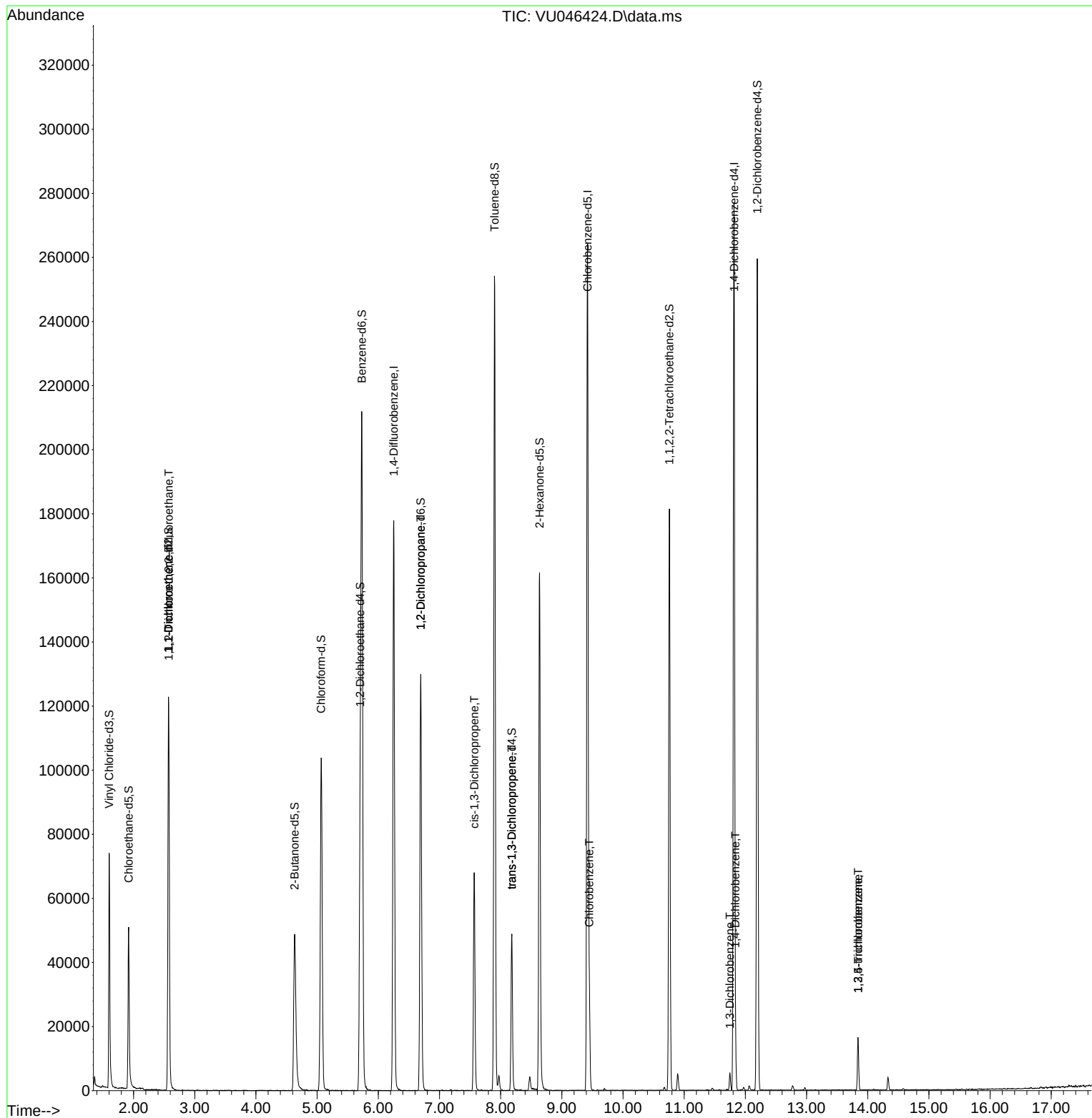
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	141965	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	144513	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	72559	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	57659	49.305	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	98.620%		
7) Chloroethane-d5	1.919	69	41621	46.355	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.700%		
11) 1,1-Dichloroethene-d2	2.571	63	73249	34.891	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	69.780%		
21) 2-Butanone-d5	4.633	46	76455	82.241	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	82.240%		
24) Chloroform-d	5.067	84	98224	50.297	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.600%		
26) 1,2-Dichloroethane-d4	5.703	65	66311	50.595	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.200%		
32) Benzene-d6	5.732	84	195065	47.094	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.180%		
36) 1,2-Dichloropropane-d6	6.694	67	59944	46.697	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.400%		
41) Toluene-d8	7.899	98	165871	43.983	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.960%		
43) trans-1,3-Dichloroprop...	8.182	79	28518	46.021	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.040%		
47) 2-Hexanone-d5	8.636	63	57839	95.030	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.030%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	86434	44.399	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.800%		
66) 1,2-Dichlorobenzene-d4	12.195	152	64173	45.925	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.840%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	608	0.589	ug/L #	21
12) 1,1-Dichloroethene	2.571	96	555	0.565	ug/L #	1
37) 1,2-Dichloropropane	6.694	63	6927	6.046	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1686	0.967	ug/L #	71
44) trans-1,3-Dichloropropene	8.182	75	1117	0.652	ug/L	88
51) Chlorobenzene	9.449	112	15451	5.089	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	2430	1.084	ug/L	96
65) 1,4-Dichlorobenzene	11.838	146	5160	2.226	ug/L	97
69) 1,3,5-Trichlorobenzene	13.841	180	5217	3.193	ug/L	96
70) 1,2,4-trichlorobenzene	13.841	180	5217	3.598	ug/L	97

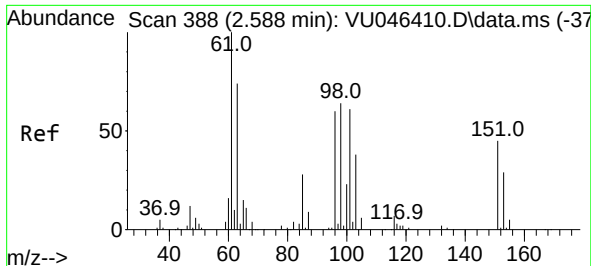
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Dec 17 01:49:40 2021
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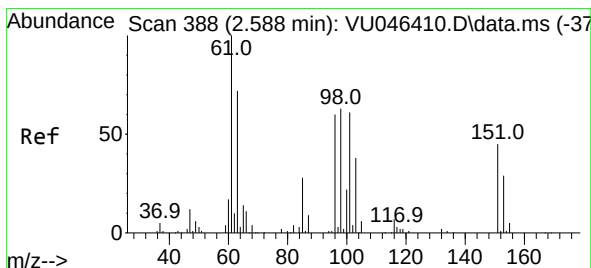
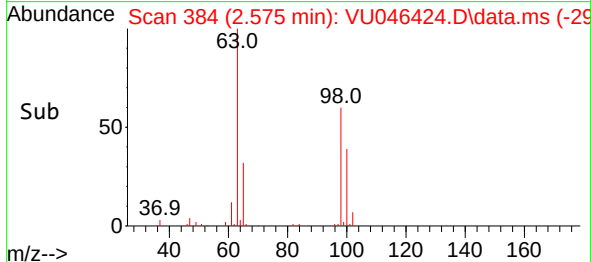
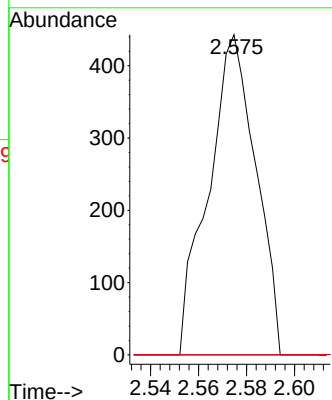
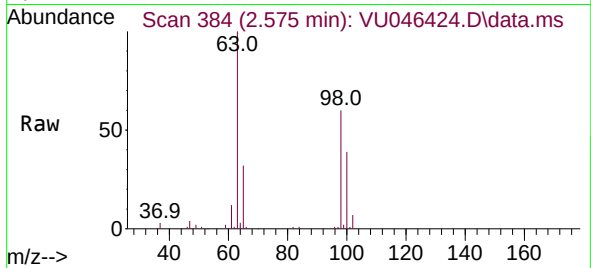




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.589 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU046424.D
 Acq: 16 Dec 2021 16:24

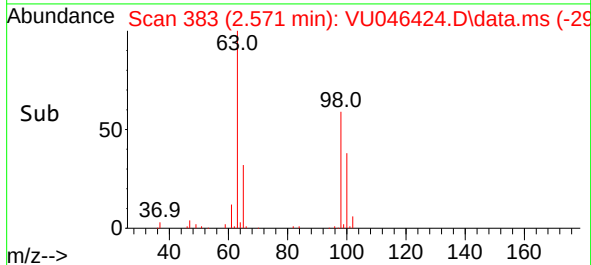
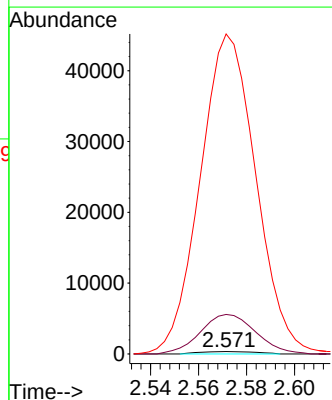
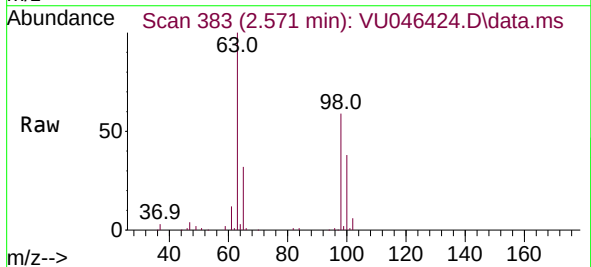
Instrument :
 MSVOA_U
 ClientSampleId :

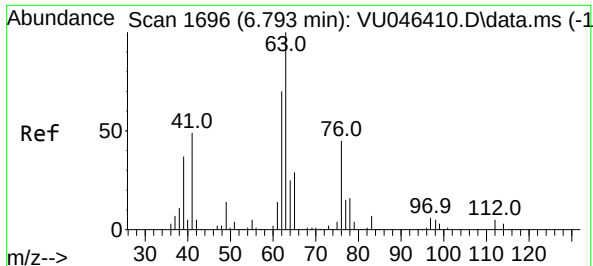
Tgt Ion:101 Resp: 608
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 0.565 ug/L
 RT: 2.571 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU046424.D
 Acq: 16 Dec 2021 16:24

Tgt Ion: 96 Resp: 555
 Ion Ratio Lower Upper
 96 100
 61 1662.2 118.6 220.2#
 63 13450.0 93.0 172.8#





#37

1,2-Dichloropropane

Concen: 6.046 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046424.D

Acq: 16 Dec 2021 16:24

Instrument :

MSVOA_U

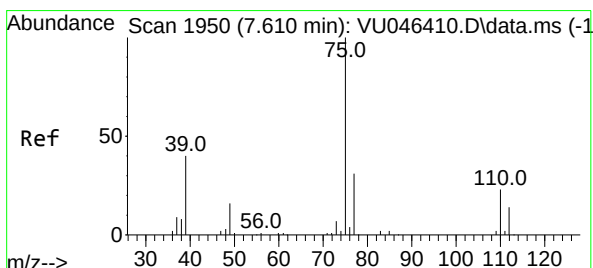
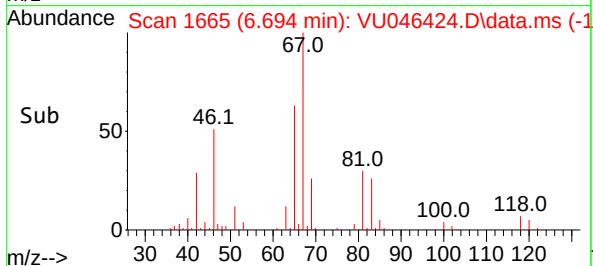
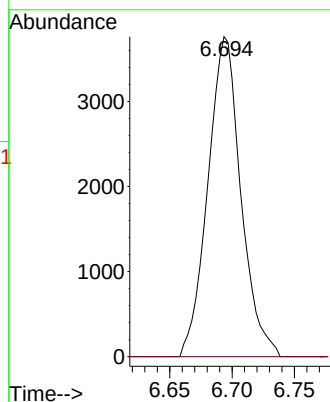
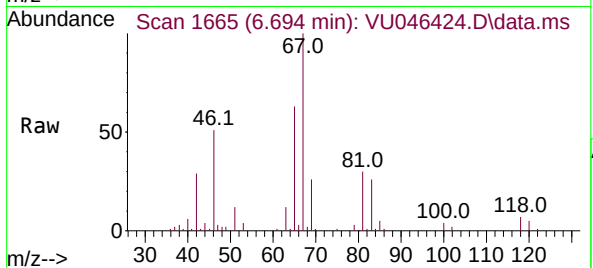
ClientSampleId :

Tgt Ion: 63 Resp: 6927

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.967 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046424.D

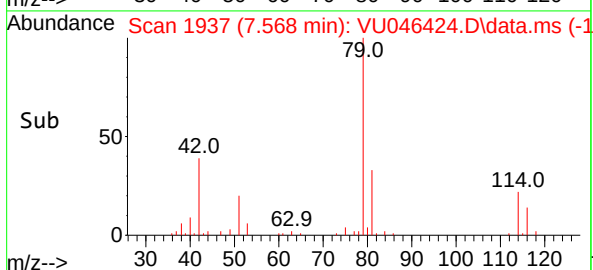
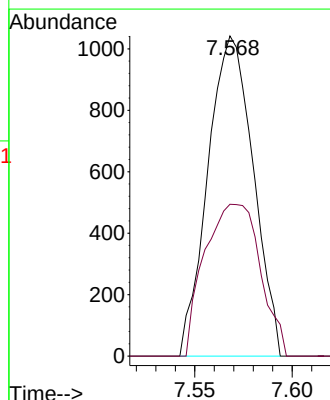
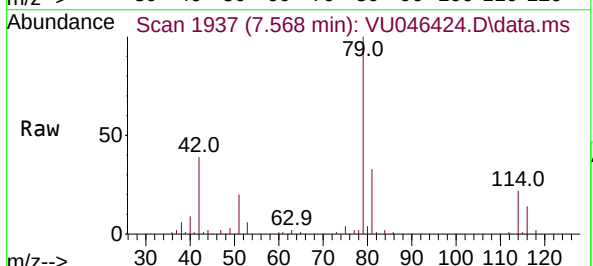
Acq: 16 Dec 2021 16:24

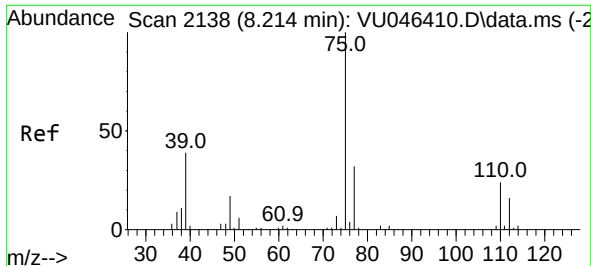
Tgt Ion: 75 Resp: 1686

Ion Ratio Lower Upper

75 100

77 47.4 21.8 40.6#

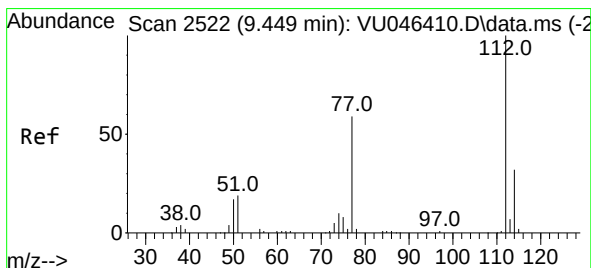
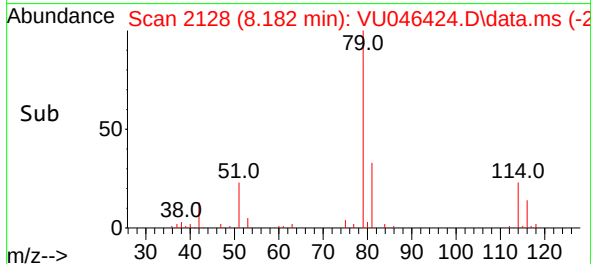
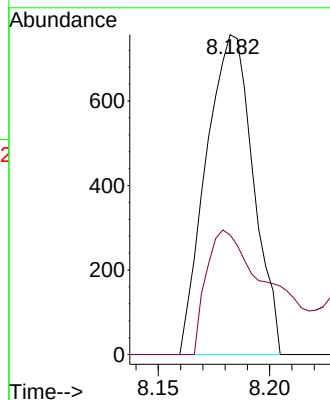
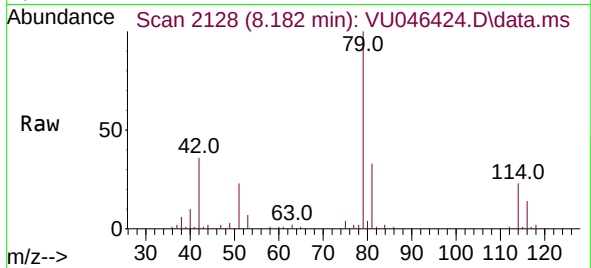




#44
trans-1,3-Dichloropropene
Concen: 0.652 ug/L
RT: 8.182 min Scan# 2138
Delta R.T. -0.032 min
Lab File: VU046424.D
Acq: 16 Dec 2021 16:24

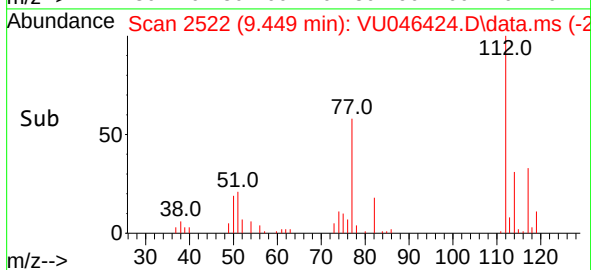
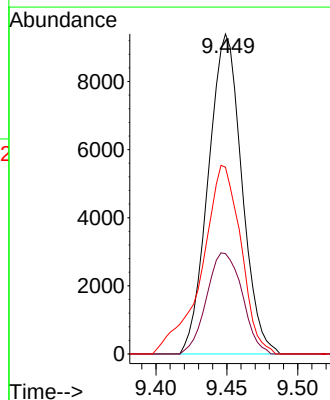
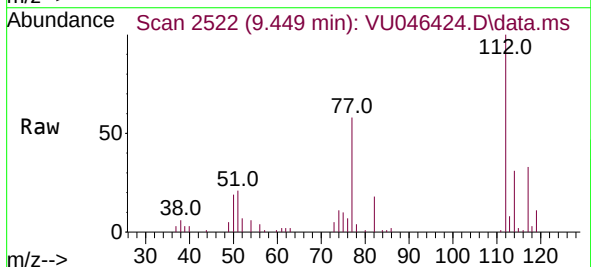
Instrument :
MSVOA_U
ClientSampleId :

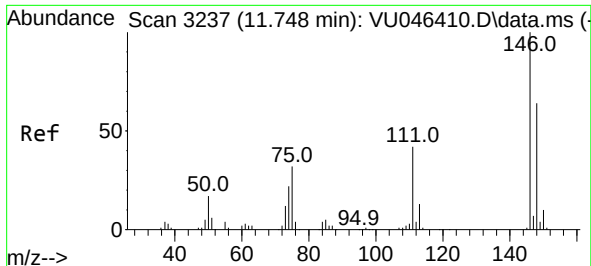
Tgt Ion: 75 Resp: 1117
Ion Ratio Lower Upper
75 100
77 37.4 21.7 40.3



#51
Chlorobenzene
Concen: 5.089 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU046424.D
Acq: 16 Dec 2021 16:24

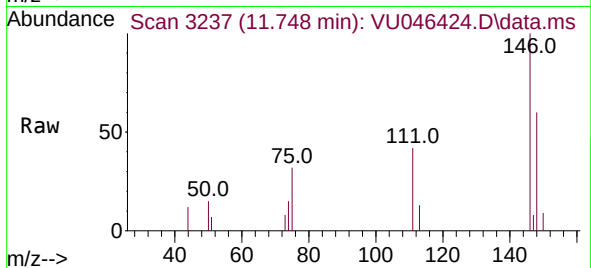
Tgt Ion: 112 Resp: 15451
Ion Ratio Lower Upper
112 100
114 31.3 22.2 41.2
77 58.3 47.4 71.0



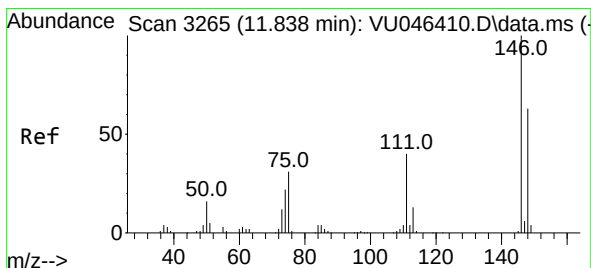
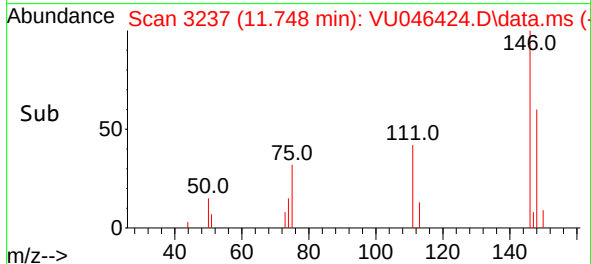
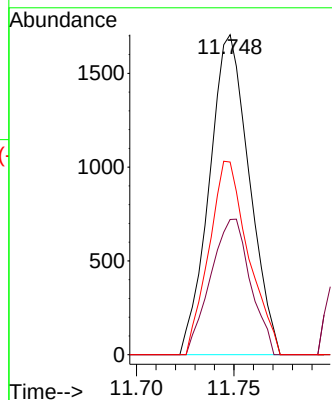


#64
1,3-Dichlorobenzene
Concen: 1.084 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. -0.000 min
Lab File: VU046424.D
Acq: 16 Dec 2021 16:24

Instrument :
MSVOA_U
ClientSampleId :

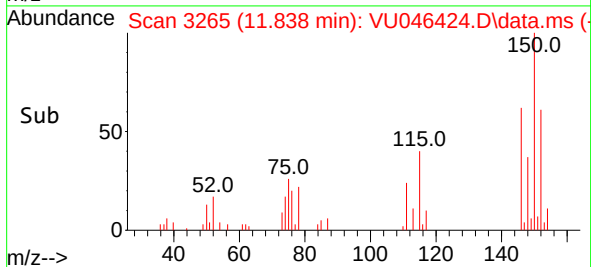
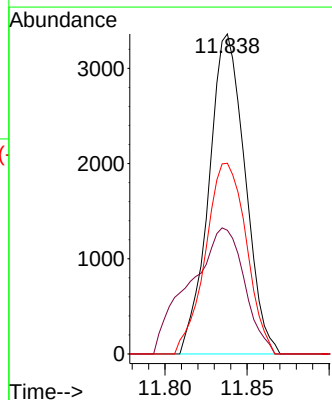
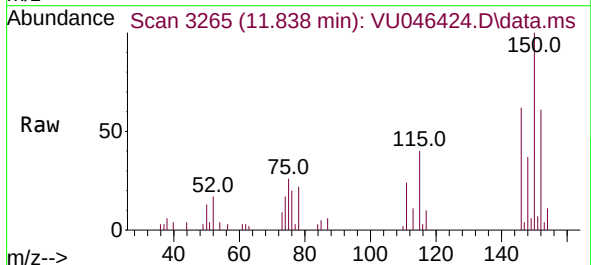


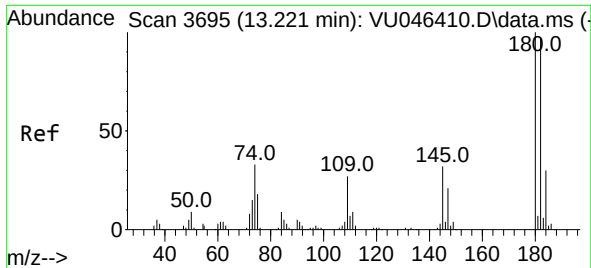
Tgt Ion:146 Resp: 2430
Ion Ratio Lower Upper
146 100
111 42.3 29.5 54.9
148 60.2 45.9 85.3



#65
1,4-Dichlorobenzene
Concen: 2.226 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU046424.D
Acq: 16 Dec 2021 16:24

Tgt Ion:146 Resp: 5160
Ion Ratio Lower Upper
146 100
111 38.7 28.3 52.7
148 59.6 43.8 81.3





#69

1,3,5-Trichlorobenzene

Concen: 3.193 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.621 min

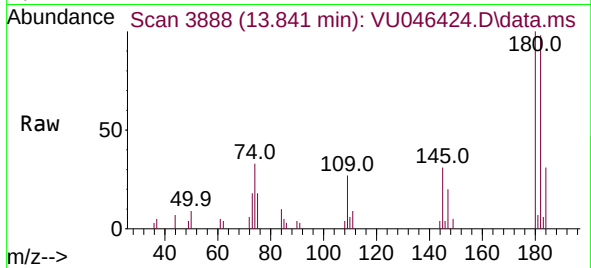
Lab File: VU046424.D

Acq: 16 Dec 2021 16:24

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 5217

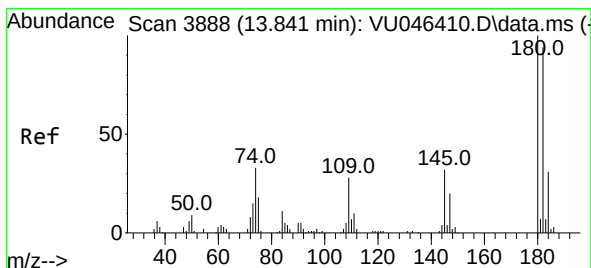
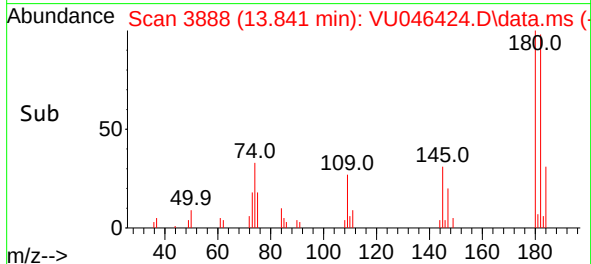
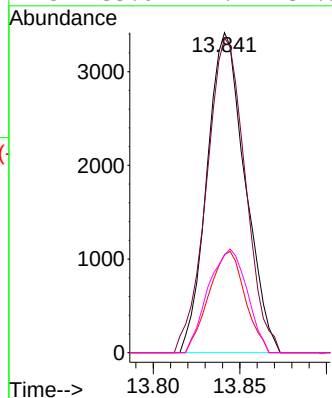
Ion Ratio Lower Upper

180 100

182 99.7 75.9 113.9

184 30.1 24.2 36.4

145 33.0 24.9 37.3



#70

1,2,4-trichlorobenzene

Concen: 3.598 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. -0.000 min

Lab File: VU046424.D

Acq: 16 Dec 2021 16:24

Tgt Ion:180 Resp: 5217

Ion Ratio Lower Upper

180 100

182 99.7 76.7 115.1

145 33.0 26.0 39.0

