

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121021\
 Data File : VU046272.D
 Acq On : 10 Dec 2021 17:53
 Operator : SY/MD
 Sample : M4943-01DL 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 22:25:31 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	238946	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	246864	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	137868	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	62027	31.513	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.020%
7) Chloroethane-d5	1.919	69	48620	32.172	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	64.340%#
11) 1,1-Dichloroethene-d2	2.575	63	90185	25.523	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	51.040%#
21) 2-Butanone-d5	4.639	46	130435	83.360	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.360%
24) Chloroform-d	5.070	84	125275	38.112	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.220%
26) 1,2-Dichloroethane-d4	5.706	65	86791	39.344	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.680%
32) Benzene-d6	5.732	84	267043	37.742	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.480%
36) 1,2-Dichloropropane-d6	6.693	67	85589	39.031	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	78.060%
41) Toluene-d8	7.902	98	235660	36.580	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.160%#
43) trans-1,3-Dichloroprop...	8.182	79	43120	40.735	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.460%
47) 2-Hexanone-d5	8.636	63	94507	90.898	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.900%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	137776	41.430	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.860%
66) 1,2-Dichlorobenzene-d4	12.195	152	105786	39.843	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.680%#
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	954	0.549	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	667	0.404	ug/L #	1
13) Acetone	2.658	43	15959	8.161	ug/L	97
33) Benzene	5.777	78	5873	0.786	ug/L	100
37) 1,2-Dichloropropane	6.693	63	9175	4.688	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	2638	0.886	ug/L #	59
42) Toluene	7.970	91	87856	10.958	ug/L	98
52) Ethylbenzene	9.571	91	210699	24.420	ug/L	98
53) m,p-Xylene	9.693	106	241049	71.636	ug/L	98
54) o-xylene	10.102	106	82879	25.383	ug/L	93
55) Styrene	10.105	104	6686	1.199	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	10.809	83	4537	1.348	ug/L #	47
61) Isopropylbenzene	10.484	105	34425	3.838	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	94488	12.637	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	325385	43.498	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	3497	0.815	ug/L #	67
71) Naphthalene	14.085	128	622714	64.952	ug/L	100

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Quant Time: Dec 10 22:25:31 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

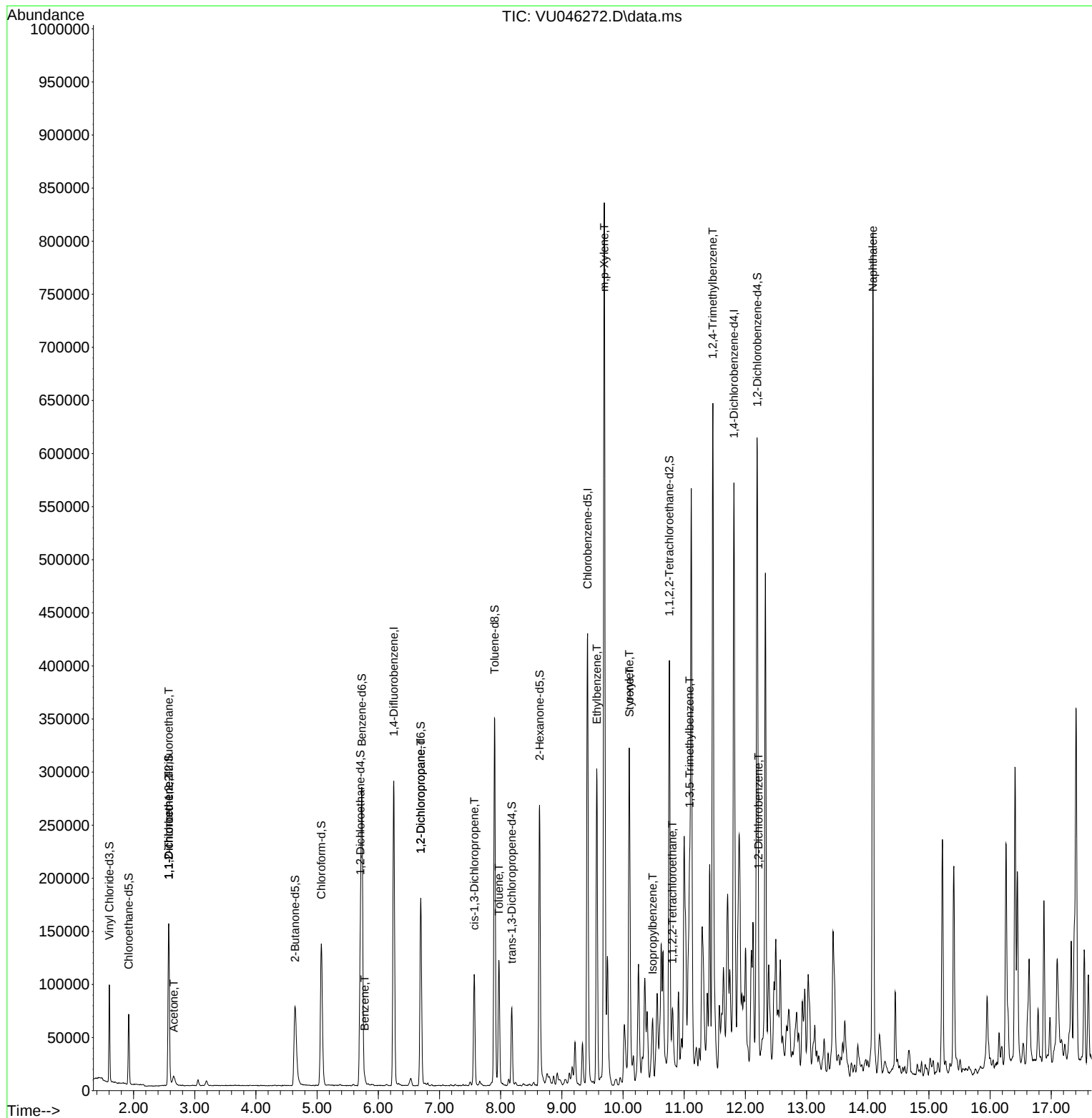
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

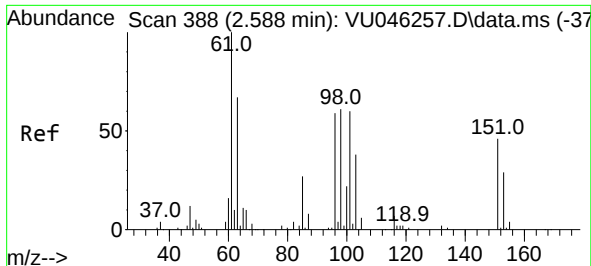
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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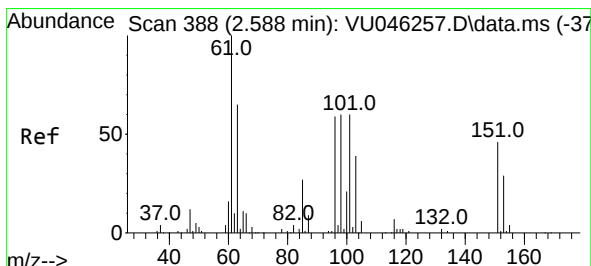
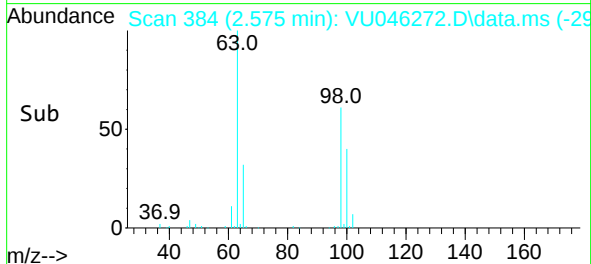
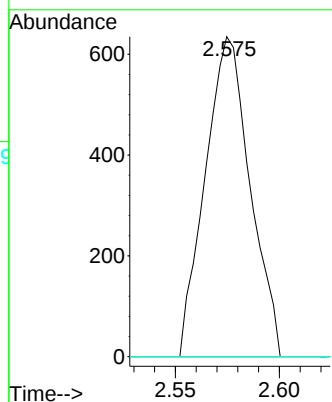
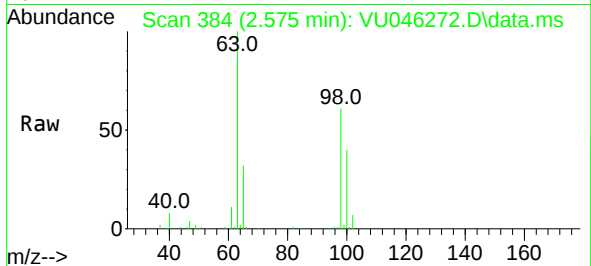




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.549 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU046272.D
 Acq: 10 Dec 2021 17:53

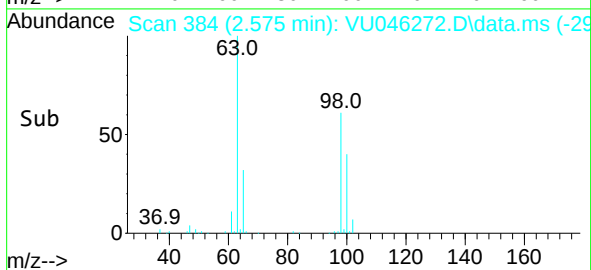
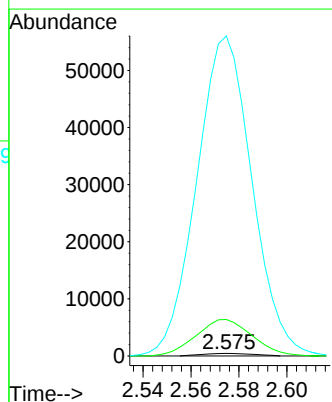
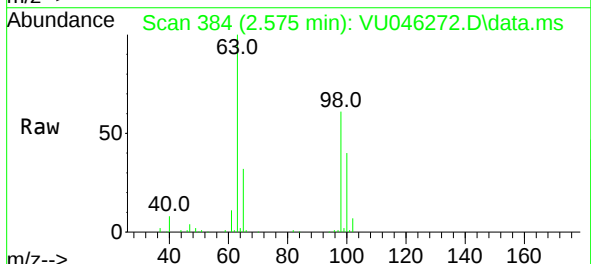
Instrument :
 MSVOA_U
 ClientSampleId :

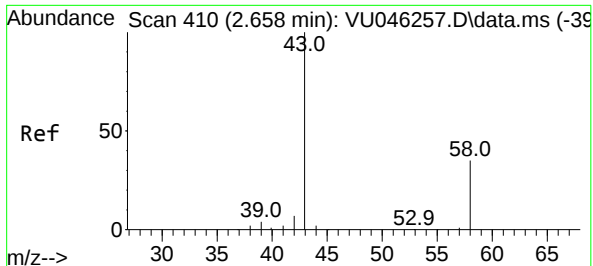
Tgt Ion:101 Resp: 954
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 0.404 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.010 min
 Lab File: VU046272.D
 Acq: 10 Dec 2021 17:53

Tgt Ion: 96 Resp: 667
 Ion Ratio Lower Upper
 96 100
 61 1445.2 118.6 220.2#
 63 12678.7 93.0 172.8#





#13

Acetone

Concen: 8.161 ug/L

RT: 2.658 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU046272.D

Acq: 10 Dec 2021 17:53

Instrument :

MSVOA_U

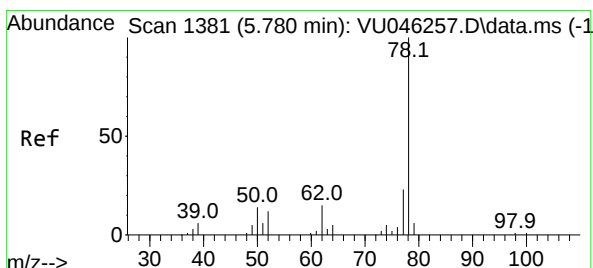
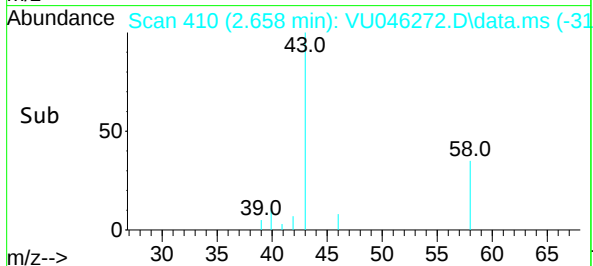
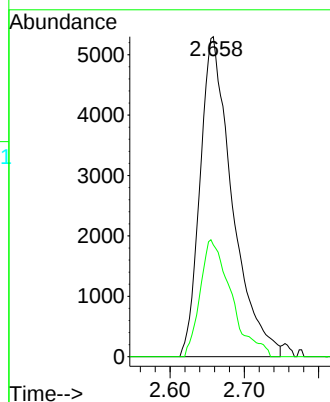
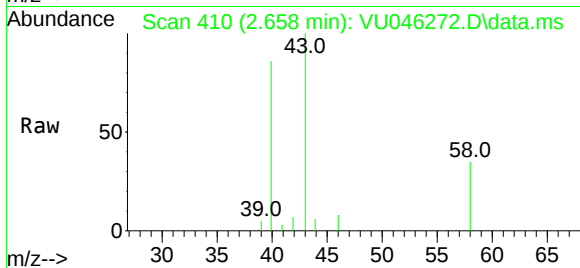
ClientSampleId :

Tgt Ion: 43 Resp: 15959

Ion Ratio Lower Upper

43 100

58 35.4 0.0 66.8



#33

Benzene

Concen: 0.786 ug/L

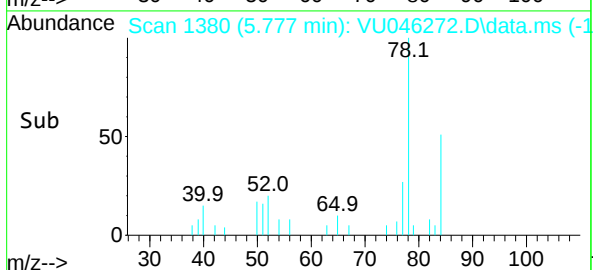
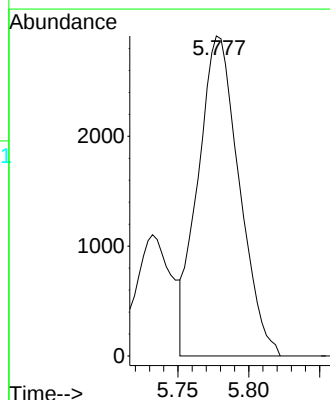
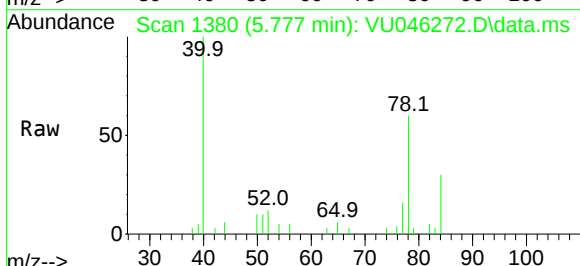
RT: 5.777 min Scan# 1380

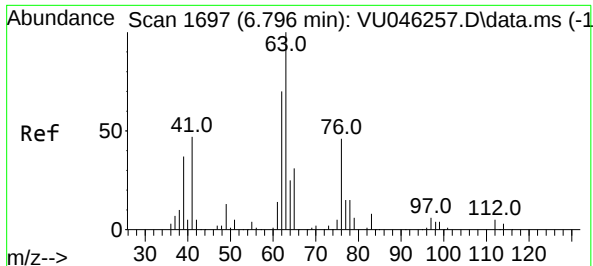
Delta R.T. -0.003 min

Lab File: VU046272.D

Acq: 10 Dec 2021 17:53

Tgt Ion: 78 Resp: 5873





#37

1,2-Dichloropropane

Concen: 4.688 ug/L

RT: 6.693 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046272.D

Acq: 10 Dec 2021 17:53

Instrument :

MSVOA_U

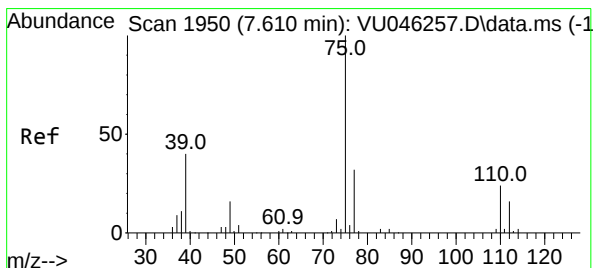
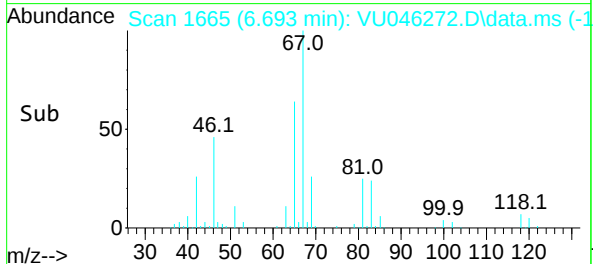
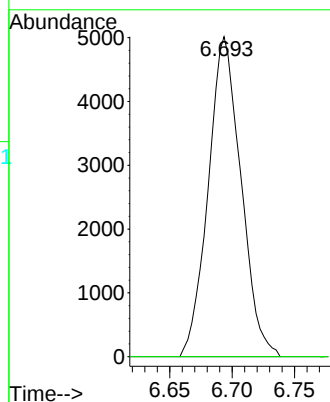
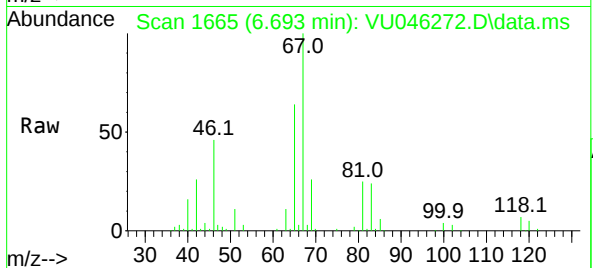
ClientSampleId :

Tgt Ion: 63 Resp: 9175

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.886 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046272.D

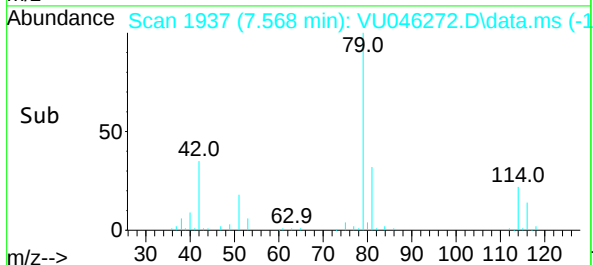
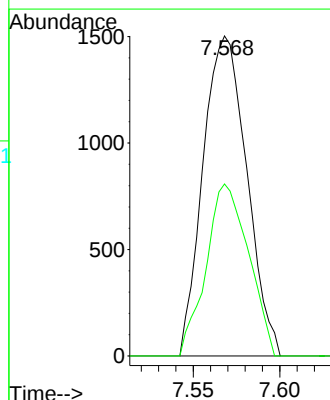
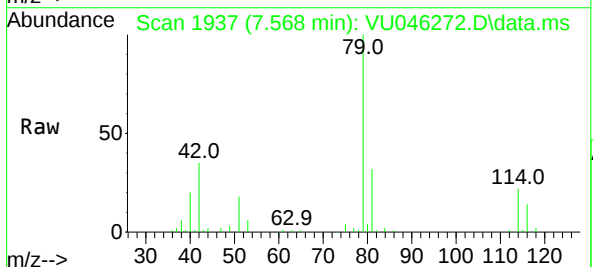
Acq: 10 Dec 2021 17:53

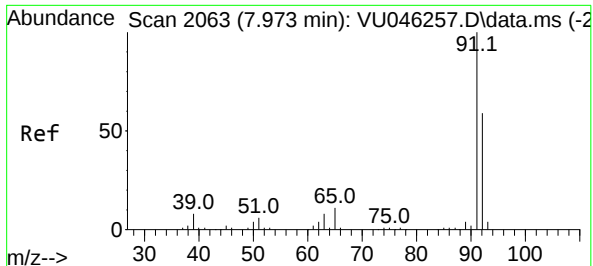
Tgt Ion: 75 Resp: 2638

Ion Ratio Lower Upper

75 100

77 53.8 21.8 40.6#

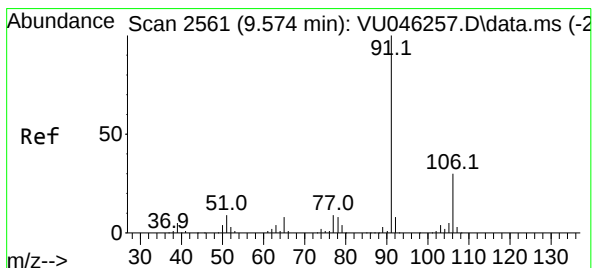
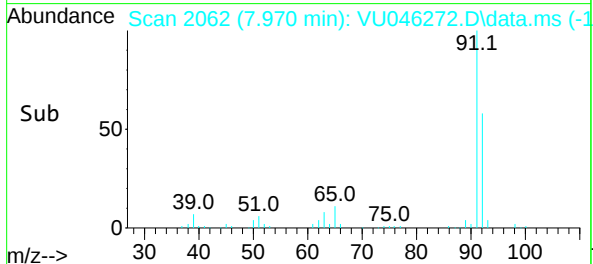
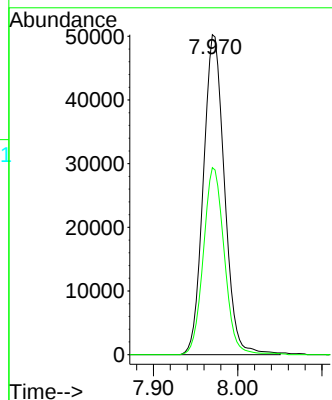
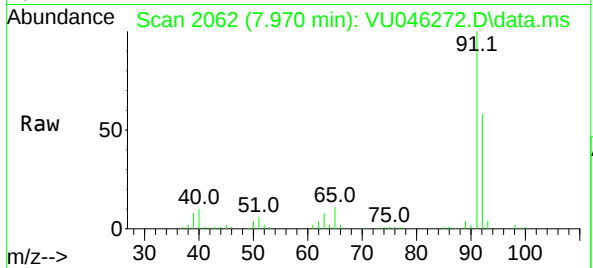




#42
Toluene
Concen: 10.958 ug/L
RT: 7.970 min Scan# 2063
Delta R.T. -0.003 min
Lab File: VU046272.D
Acq: 10 Dec 2021 17:53

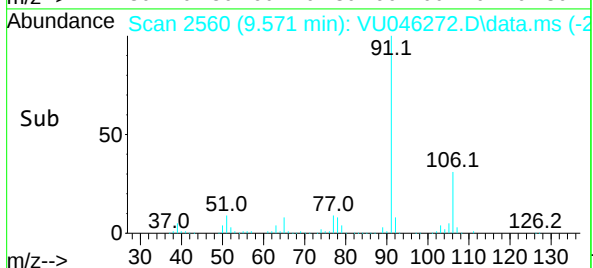
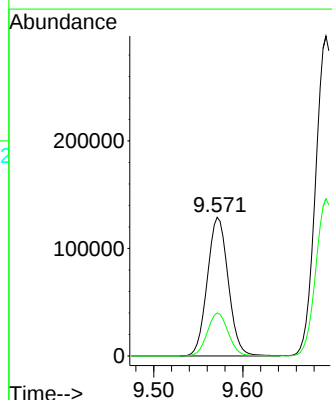
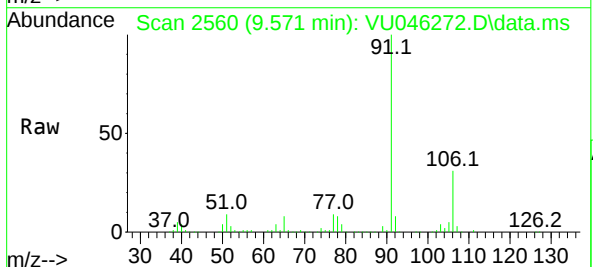
Instrument :
MSVOA_U
ClientSampleId :

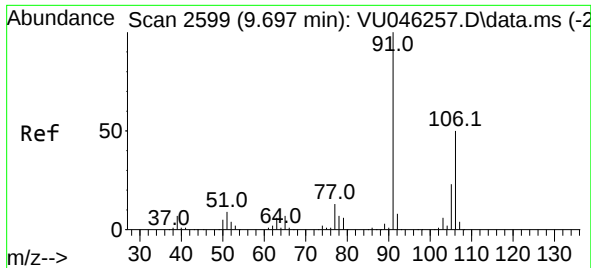
Tgt Ion: 91 Resp: 87856
Ion Ratio Lower Upper
91 100
92 58.5 41.9 77.7



#52
Ethylbenzene
Concen: 24.420 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU046272.D
Acq: 10 Dec 2021 17:53

Tgt Ion: 91 Resp: 210699
Ion Ratio Lower Upper
91 100
106 31.0 21.1 39.3

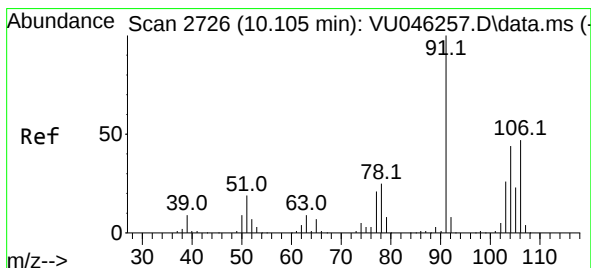
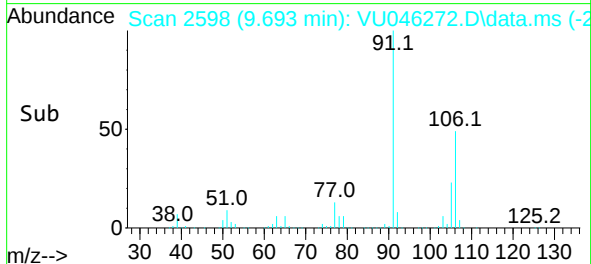
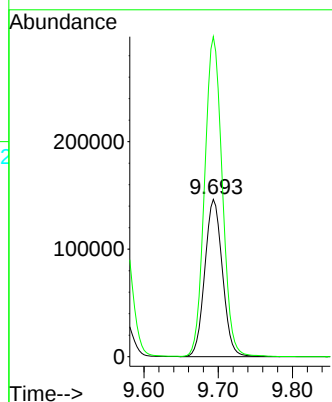
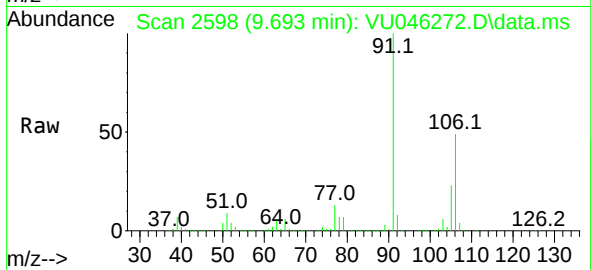




#53
m,p-Xylene
Concen: 71.636 ug/L
RT: 9.693 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046272.D
Acq: 10 Dec 2021 17:53

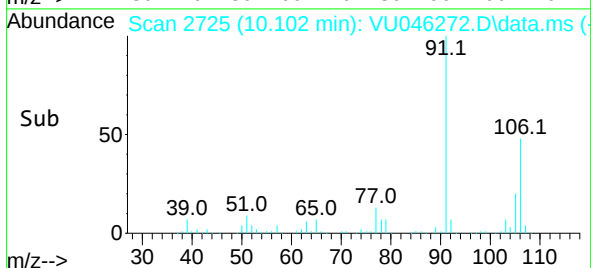
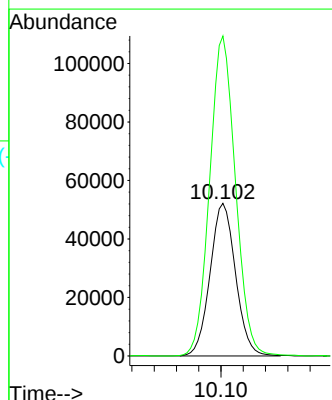
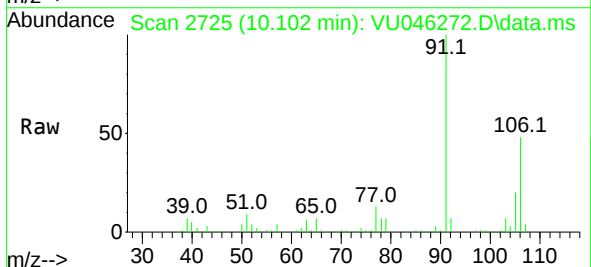
Instrument :
MSVOA_U
ClientSampleId :

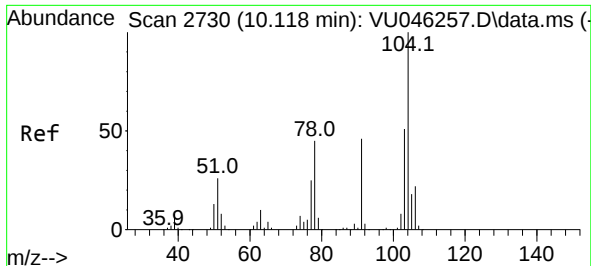
Tgt Ion:106 Resp: 241049
Ion Ratio Lower Upper
106 100
91 203.4 144.3 268.1



#54
o-xylene
Concen: 25.383 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU046272.D
Acq: 10 Dec 2021 17:53

Tgt Ion:106 Resp: 82879
Ion Ratio Lower Upper
106 100
91 209.7 154.2 286.4

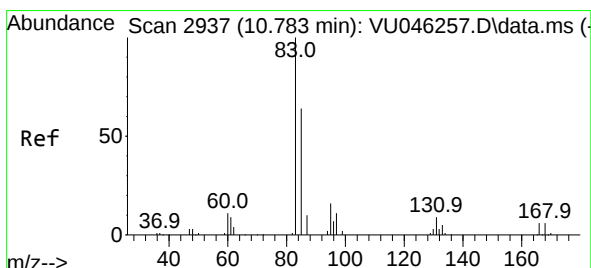
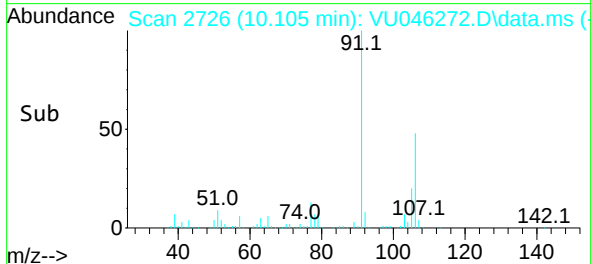
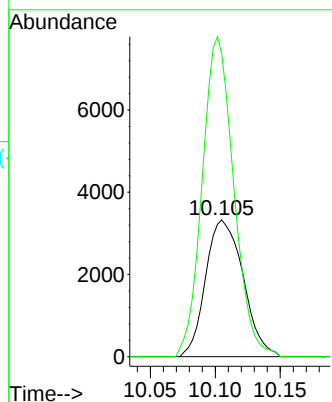
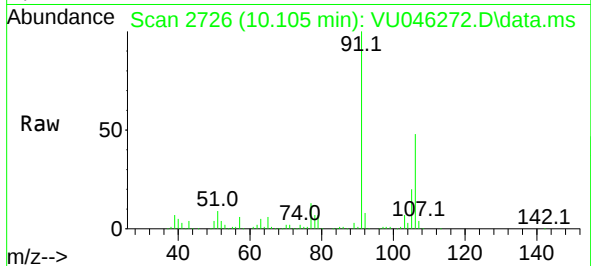




#55
Styrene
Concen: 1.199 ug/L
RT: 10.105 min Scan# 21
Delta R.T. -0.013 min
Lab File: VU046272.D
Acq: 10 Dec 2021 17:53

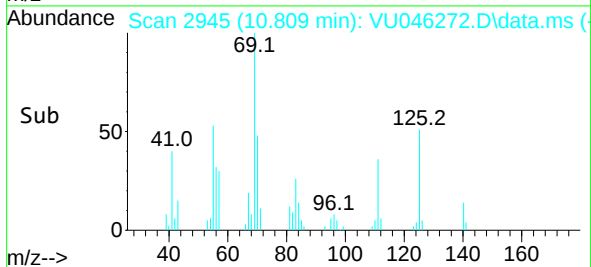
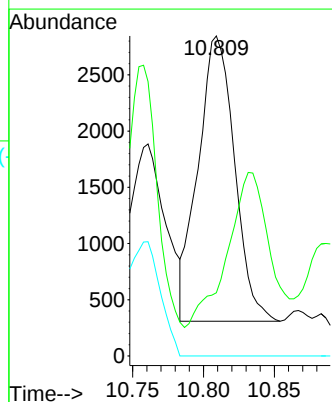
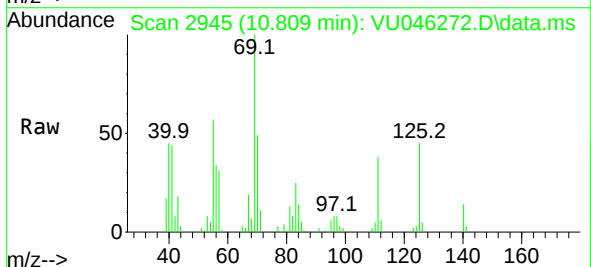
Instrument :
MSVOA_U
ClientSampleId :

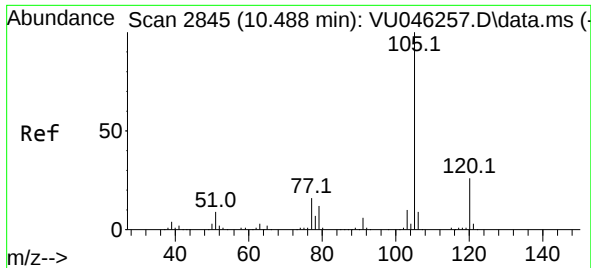
Tgt Ion:104 Resp: 6686
Ion Ratio Lower Upper
104 100
78 221.9 32.6 60.5#



#57
1,1,2,2-Tetrachloroethane
Concen: 1.348 ug/L
RT: 10.809 min Scan# 2945
Delta R.T. 0.022 min
Lab File: VU046272.D
Acq: 10 Dec 2021 17:53

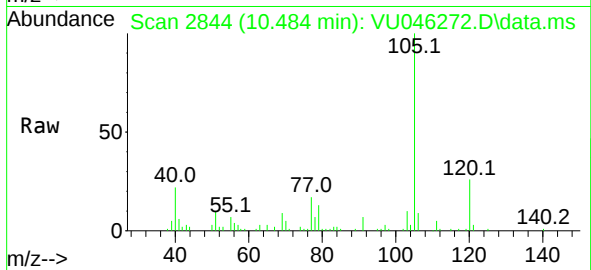
Tgt Ion: 83 Resp: 4537
Ion Ratio Lower Upper
83 100
85 19.7 45.6 84.6#
131 0.0 7.8 11.6#



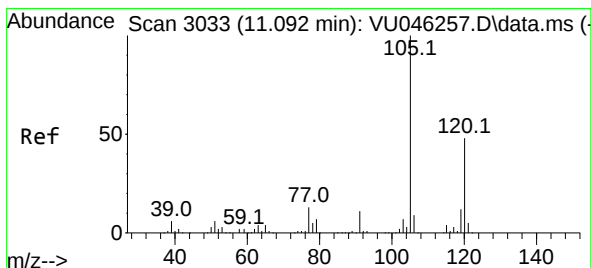
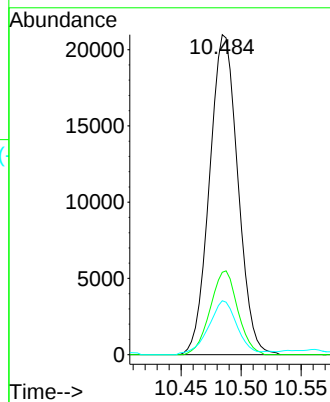
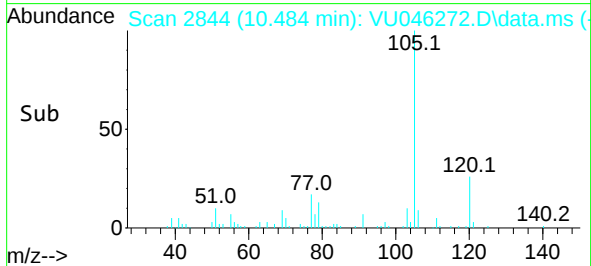


#61
Isopropylbenzene
Concen: 3.838 ug/L
RT: 10.484 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046272.D
Acq: 10 Dec 2021 17:53

Instrument :
MSVOA_U
ClientSampleId :

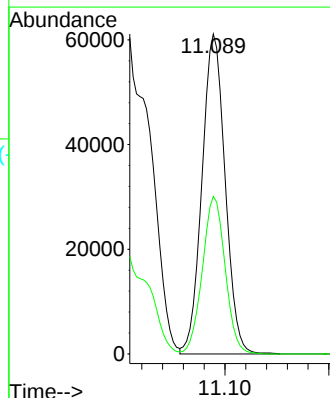
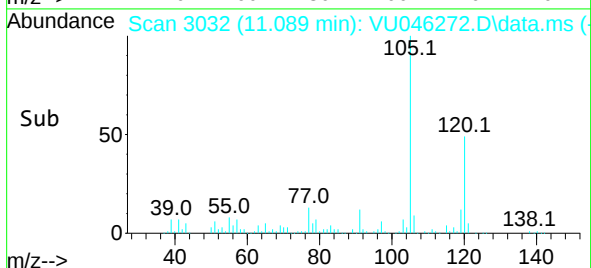
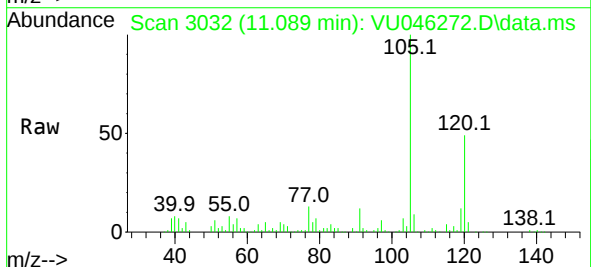


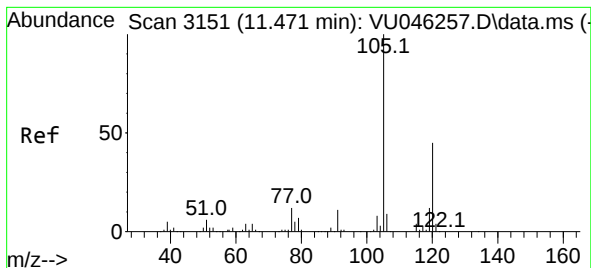
Tgt Ion:105 Resp: 34425
Ion Ratio Lower Upper
105 100
120 25.5 20.7 31.1
77 17.0 12.2 18.4



#62
1,3,5-Trimethylbenzene
Concen: 12.637 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU046272.D
Acq: 10 Dec 2021 17:53

Tgt Ion:105 Resp: 94488
Ion Ratio Lower Upper
105 100
120 48.4 37.8 56.6





#63

1,2,4-Trimethylbenzene

Concen: 43.498 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU046272.D

Acq: 10 Dec 2021 17:53

Instrument :

MSVOA_U

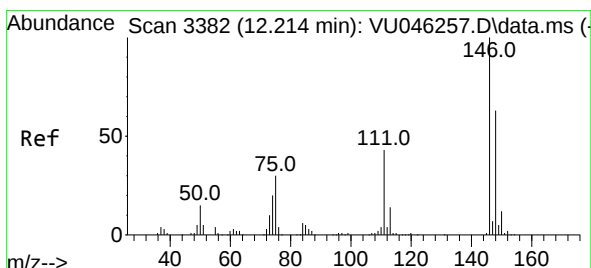
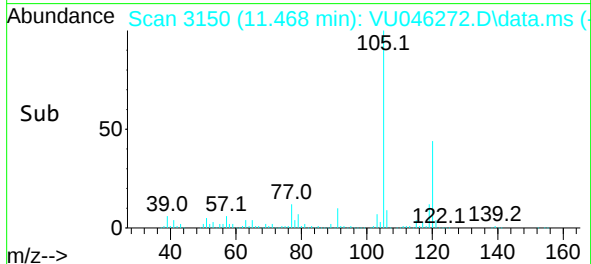
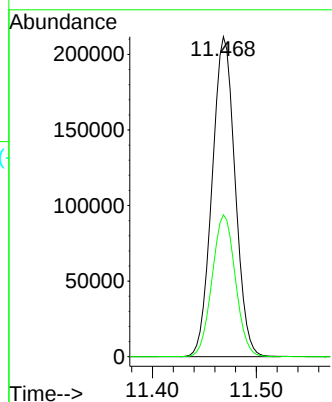
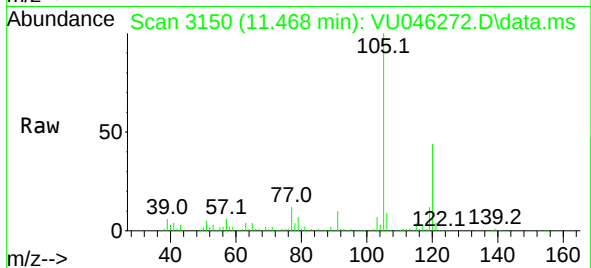
ClientSampleId :

Tgt Ion:105 Resp: 325385

Ion Ratio Lower Upper

105 100

120 44.8 35.2 52.8



#67

1,2-Dichlorobenzene

Concen: 0.815 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. -0.000 min

Lab File: VU046272.D

Acq: 10 Dec 2021 17:53

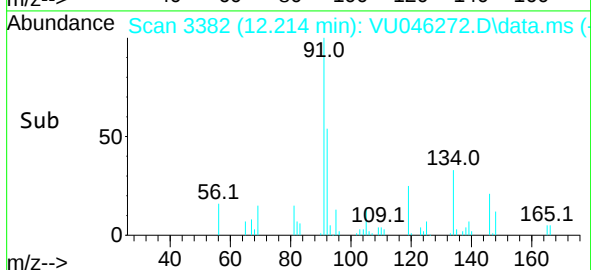
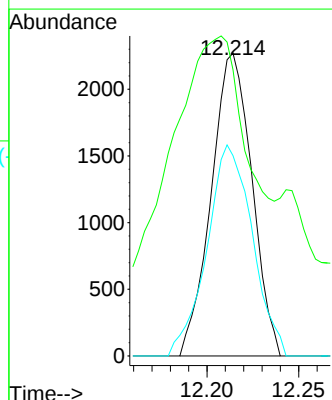
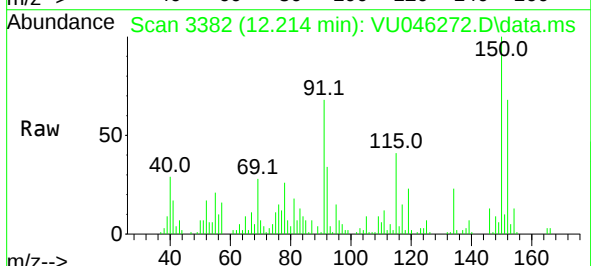
Tgt Ion:146 Resp: 3497

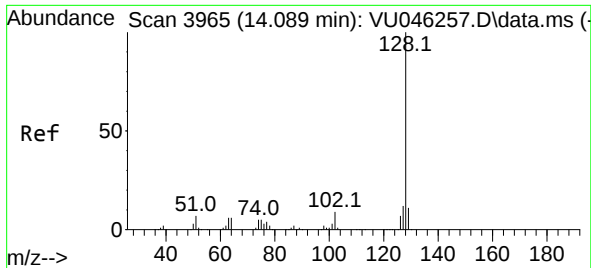
Ion Ratio Lower Upper

146 100

111 94.5 35.7 53.5#

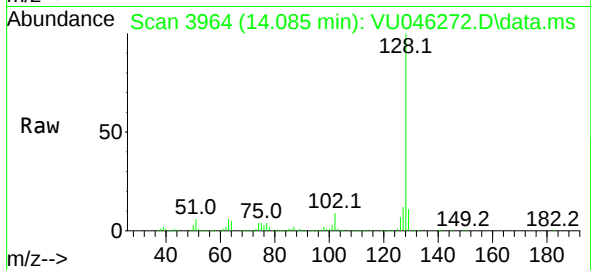
148 66.1 51.2 76.8





#71
Naphthalene
Concen: 64.952 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.003 min
Lab File: VU046272.D
Acq: 10 Dec 2021 17:53

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 622714
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 11.0 8.6 13.0

