

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
 Data File : VU046298.D
 Acq On : 11 Dec 2021 19:35
 Operator : SY/MD
 Sample : M4983-10DL 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 12 04:07:53 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	159302	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	162602	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	85898	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	45043	34.325	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.660%
7) Chloroethane-d5	1.916	69	38662	38.373	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.740%
11) 1,1-Dichloroethene-d2	2.572	63	66565	28.257	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.520%#
21) 2-Butanone-d5	4.636	46	110494	105.921	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.920%
24) Chloroform-d	5.067	84	88974	40.602	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.200%
26) 1,2-Dichloroethane-d4	5.703	65	72310	49.168	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.340%
32) Benzene-d6	5.732	84	203373	43.638	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.280%
36) 1,2-Dichloropropane-d6	6.694	67	68412	47.365	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.720%
41) Toluene-d8	7.899	98	170499	40.180	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.360%
43) trans-1,3-Dichloroprop...	8.182	79	31550	45.250	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.500%
47) 2-Hexanone-d5	8.636	63	76672	111.959	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.960%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	114451	52.251	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.500%
66) 1,2-Dichlorobenzene-d4	12.195	152	78566	47.494	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.980%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	527	0.455	ug/L #	21
12) 1,1-Dichloroethene	2.581	96	1546	1.404	ug/L #	1
19) 1,1-Dichloroethane	3.874	63	45131	21.294	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	89812	71.008	ug/L	99
25) Chloroform	5.092	83	19983	8.486	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	28801	14.430	ug/L	99
31) Carbon tetrachloride	5.324	117	3678	2.171	ug/L	98
37) 1,2-Dichloropropane	6.694	63	7383	5.727	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	1867	0.952	ug/L #	61
42) Toluene	7.973	91	9394	1.779	ug/L	97
44) trans-1,3-Dichloropropene	8.179	75	1408	0.731	ug/L	83
52) Ethylbenzene	9.575	91	4323	0.761	ug/L	99
53) m,p-Xylene	9.694	106	6441	2.906	ug/L	100
54) o-xylene	10.102	106	3228	1.501	ug/L	70
62) 1,3,5-Trimethylbenzene	11.089	105	4330	0.930	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	18815	4.037	ug/L	99

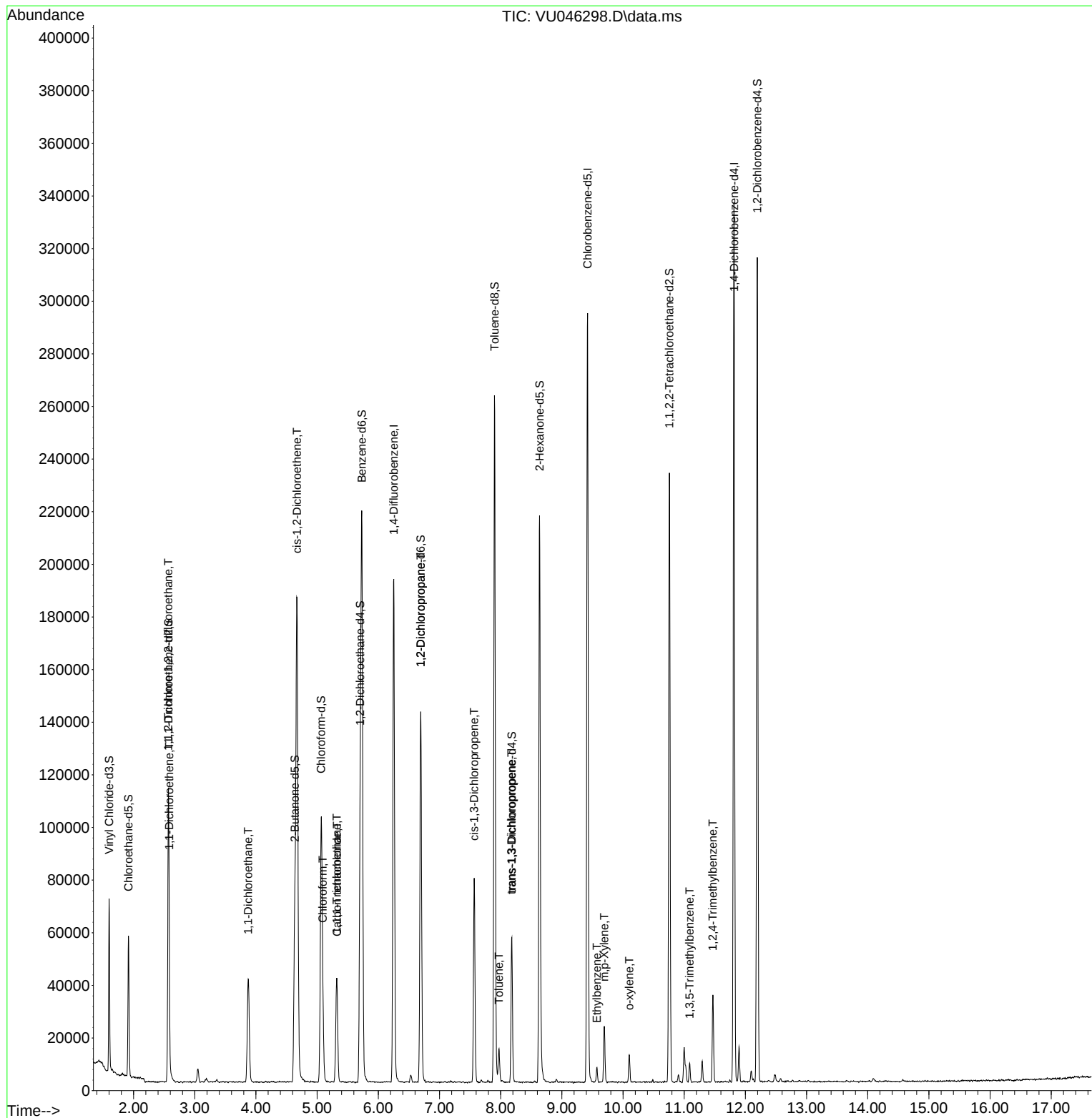
(#) = qualifier out of range (m) = manual integration (+) = signals summed

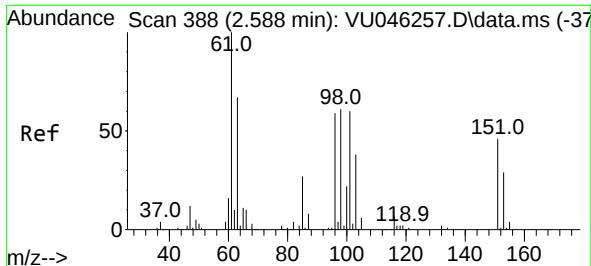
Instrument :
MSVOA_U
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046298.D
Acq On : 11 Dec 2021 19:35
Operator : SY/MD
Sample : M4983-10DL 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Dec 12 04:07:53 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

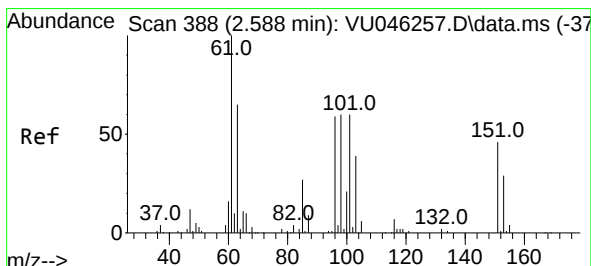
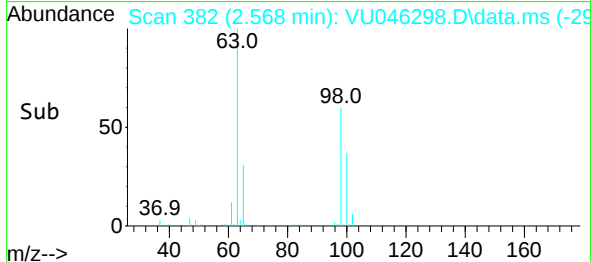
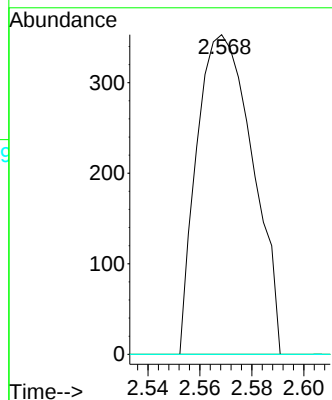
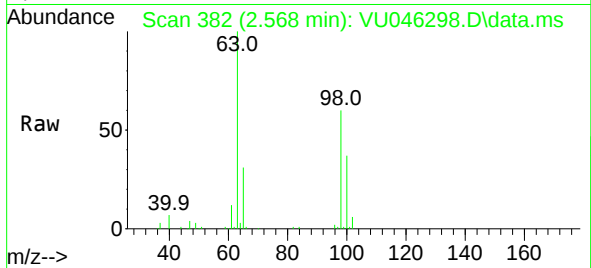




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.455 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.019 min
 Lab File: VU046298.D
 Acq: 11 Dec 2021 19:35

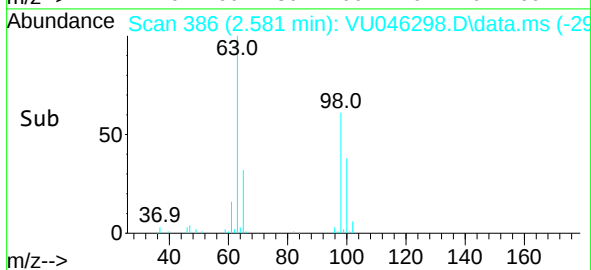
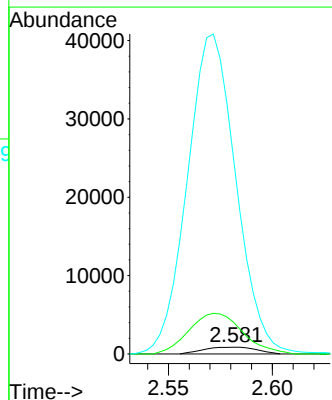
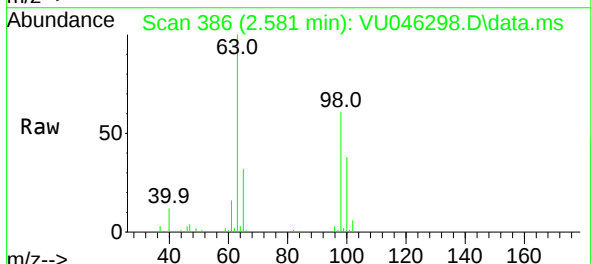
Instrument :
 MSVOA_U
 ClientSampleId :

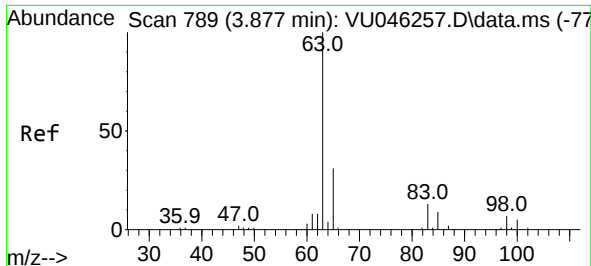
Tgt Ion:101 Resp: 527
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 1.404 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.003 min
 Lab File: VU046298.D
 Acq: 11 Dec 2021 19:35

Tgt Ion: 96 Resp: 1546
 Ion Ratio Lower Upper
 96 100
 61 475.3 118.6 220.2#
 63 2924.0 93.0 172.8#





#19

1,1-Dichloroethane

Concen: 21.294 ug/L

RT: 3.874 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU046298.D

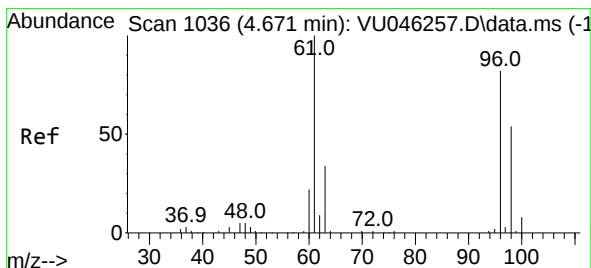
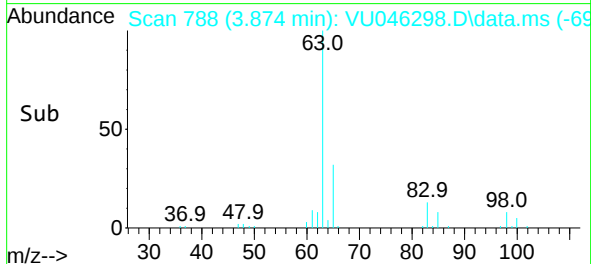
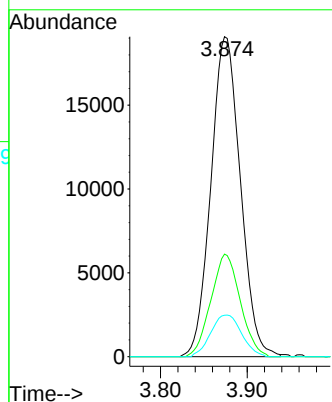
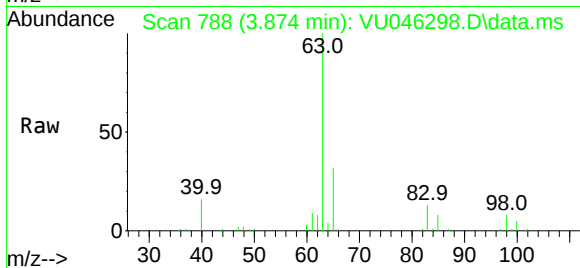
Acq: 11 Dec 2021 19:35

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 45131
Ion Ratio	Lower Upper
63 100	
65 32.0	22.8 42.4
83 13.0	9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 71.008 ug/L

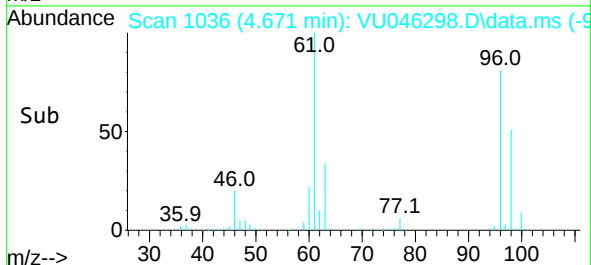
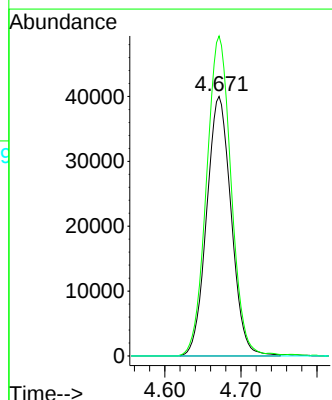
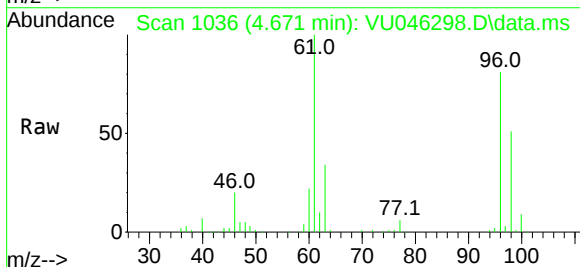
RT: 4.671 min Scan# 1036

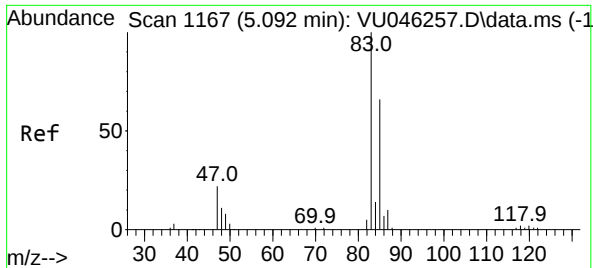
Delta R.T. 0.000 min

Lab File: VU046298.D

Acq: 11 Dec 2021 19:35

Tgt Ion: 96	Resp: 89812
Ion Ratio	Lower Upper
96 100	
61 123.3	86.8 161.2
68 0.0	0.0 0.0





#25

Chloroform

Concen: 8.486 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU046298.D

Acq: 11 Dec 2021 19:35

Instrument :

MSVOA_U

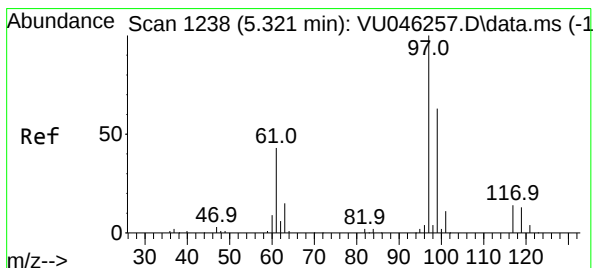
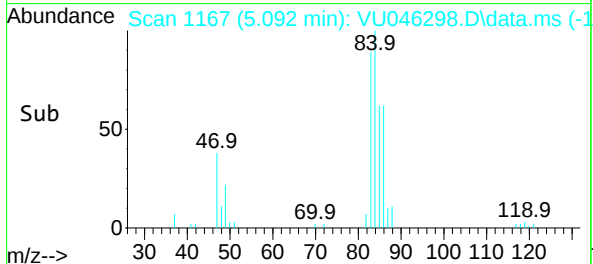
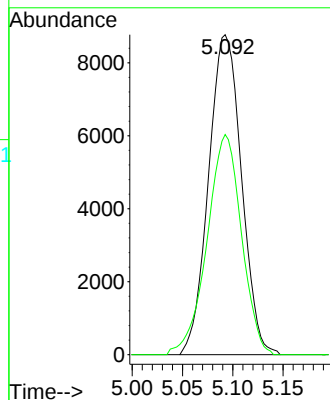
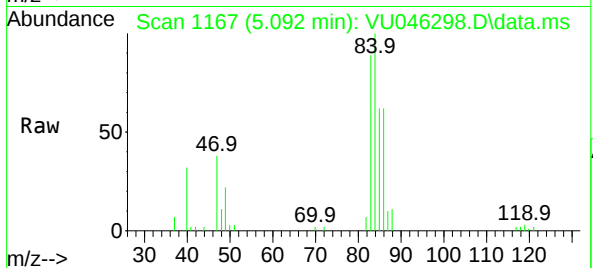
ClientSampleId :

Tgt Ion: 83 Resp: 19983

Ion Ratio Lower Upper

83 100

85 68.8 45.8 85.2



#30

1,1,1-Trichloroethane

Concen: 14.430 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU046298.D

Acq: 11 Dec 2021 19:35

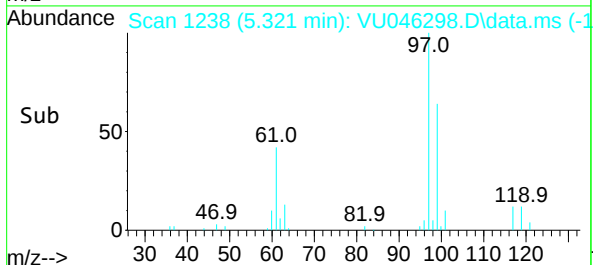
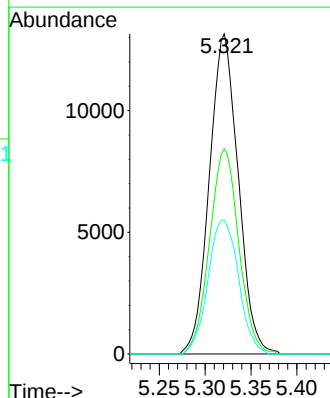
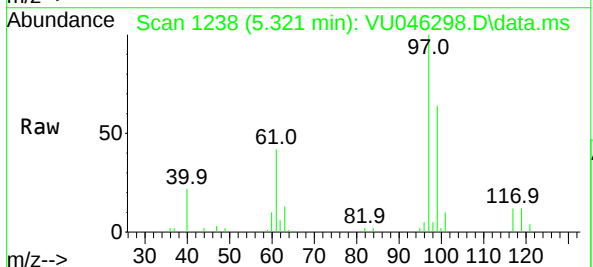
Tgt Ion: 97 Resp: 28801

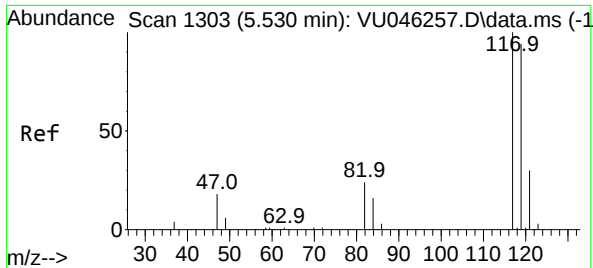
Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.6

61 44.3 34.4 51.6

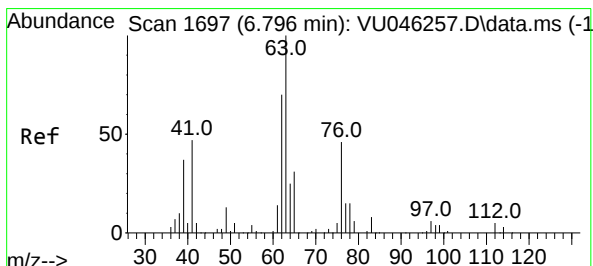
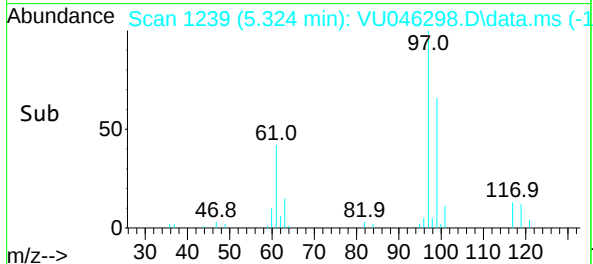
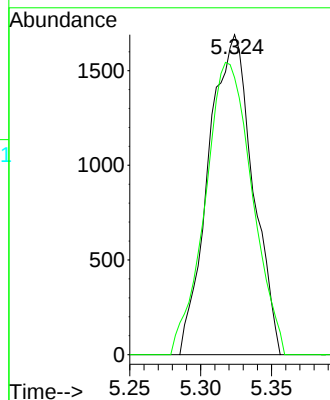
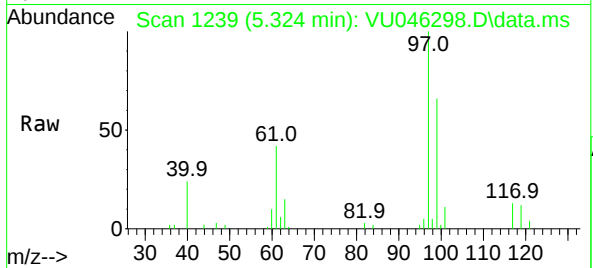




#31
Carbon tetrachloride
Concen: 2.171 ug/L
RT: 5.324 min Scan# 11
Delta R.T. -0.206 min
Lab File: VU046298.D
Acq: 11 Dec 2021 19:35

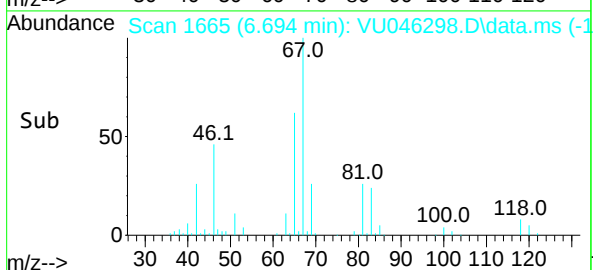
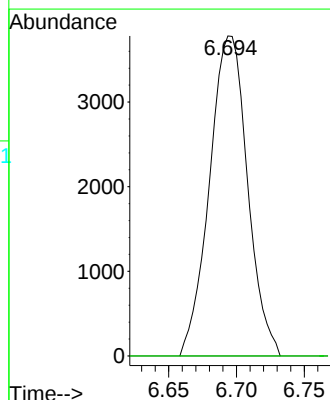
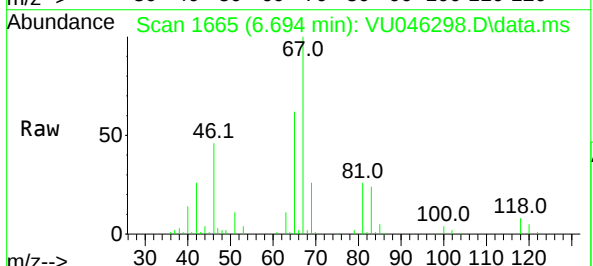
Instrument :
MSVOA_U
ClientSampleId :

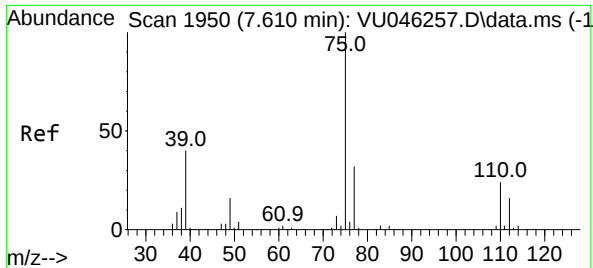
Tgt Ion:117 Resp: 3678
Ion Ratio Lower Upper
117 100
119 96.5 75.7 113.5



#37
1,2-Dichloropropane
Concen: 5.727 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU046298.D
Acq: 11 Dec 2021 19:35

Tgt Ion: 63 Resp: 7383
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.952 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU046298.D

Acq: 11 Dec 2021 19:35

Instrument :

MSVOA_U

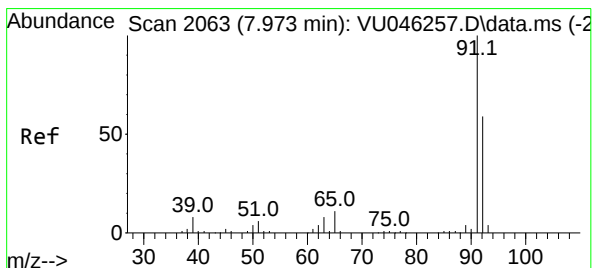
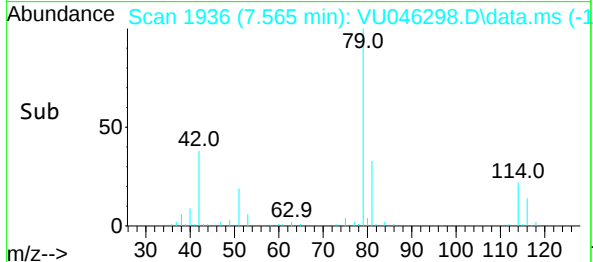
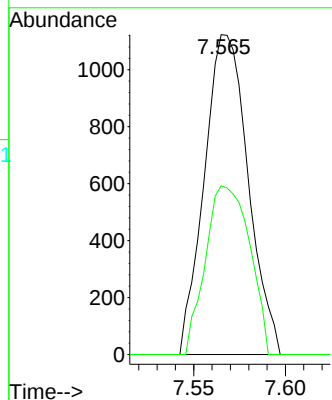
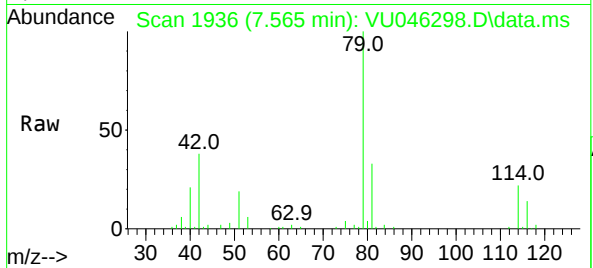
ClientSampleId :

Tgt Ion: 75 Resp: 1867

Ion Ratio Lower Upper

75 100

77 52.8 21.8 40.6#



#42

Toluene

Concen: 1.779 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU046298.D

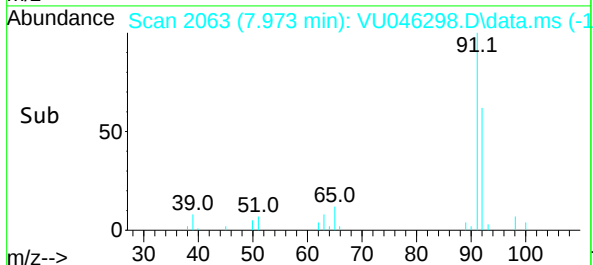
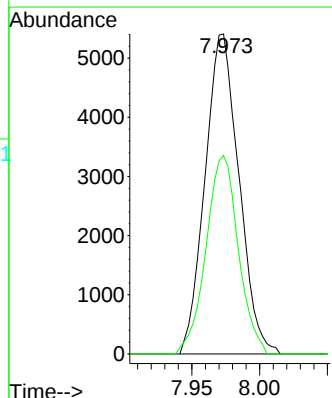
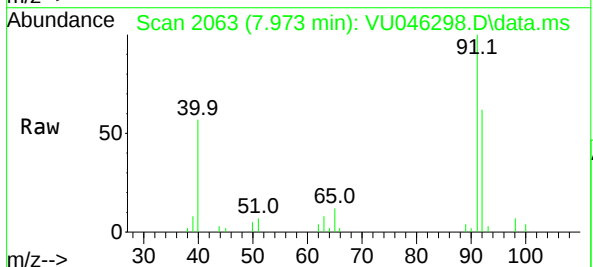
Acq: 11 Dec 2021 19:35

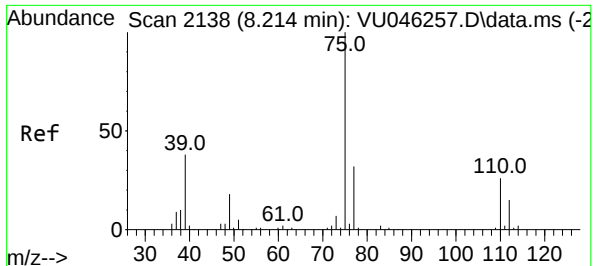
Tgt Ion: 91 Resp: 9394

Ion Ratio Lower Upper

91 100

92 62.0 41.9 77.7

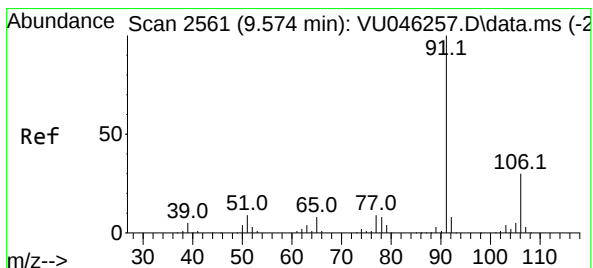
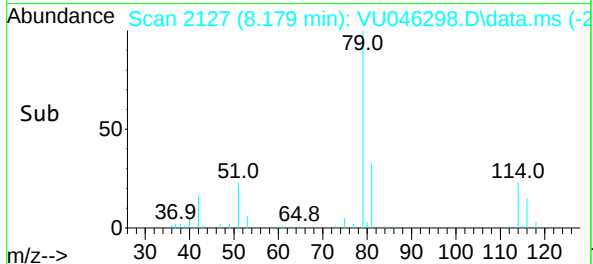
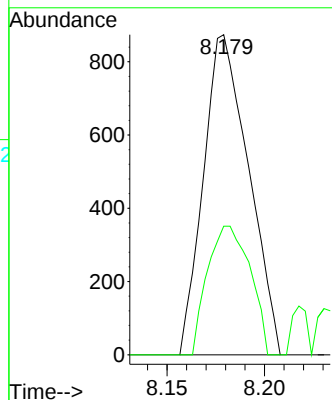
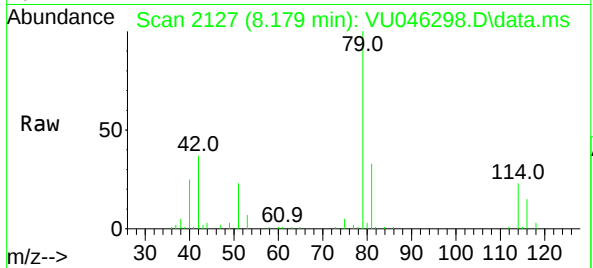




#44
trans-1,3-Dichloropropene
Concen: 0.731 ug/L
RT: 8.179 min Scan# 2138
Delta R.T. -0.035 min
Lab File: VU046298.D
Acq: 11 Dec 2021 19:35

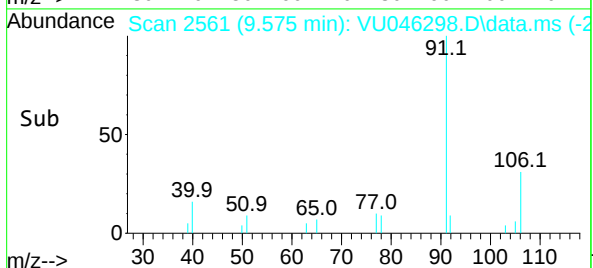
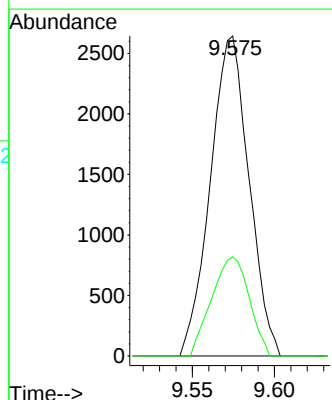
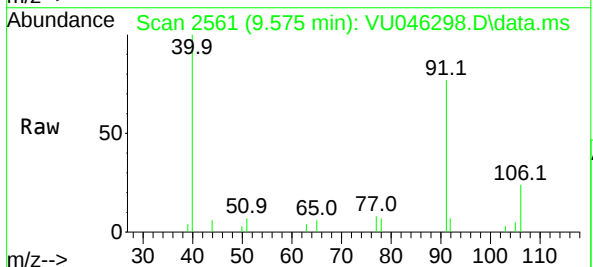
Instrument :
MSVOA_U
ClientSampleId :

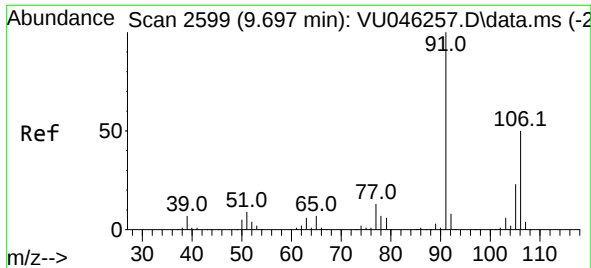
Tgt Ion: 75 Resp: 1408
Ion Ratio Lower Upper
75 100
77 40.2 21.7 40.3



#52
Ethylbenzene
Concen: 0.761 ug/L
RT: 9.575 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU046298.D
Acq: 11 Dec 2021 19:35

Tgt Ion: 91 Resp: 4323
Ion Ratio Lower Upper
91 100
106 30.9 21.1 39.3

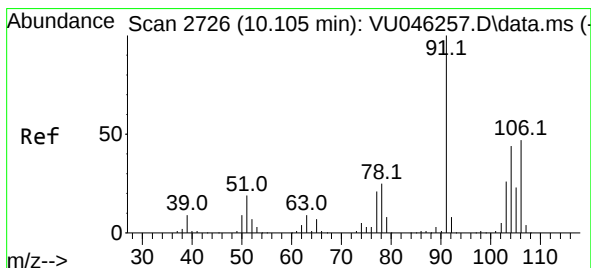
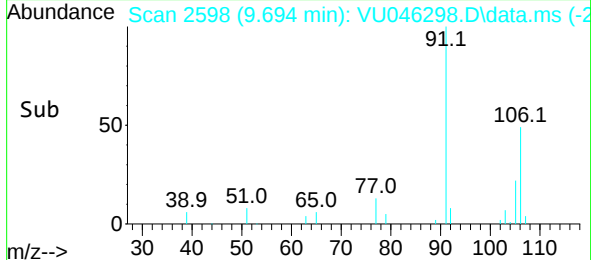
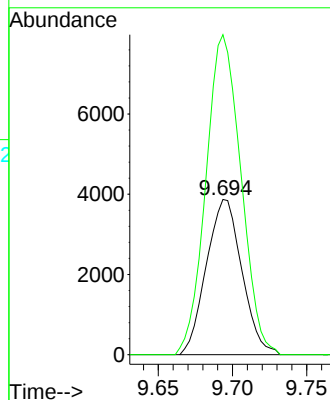
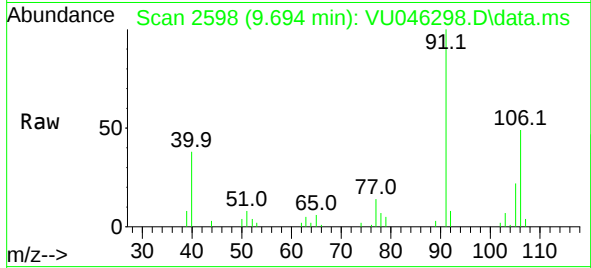




#53
m,p-Xylene
Concen: 2.906 ug/L
RT: 9.694 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046298.D
Acq: 11 Dec 2021 19:35

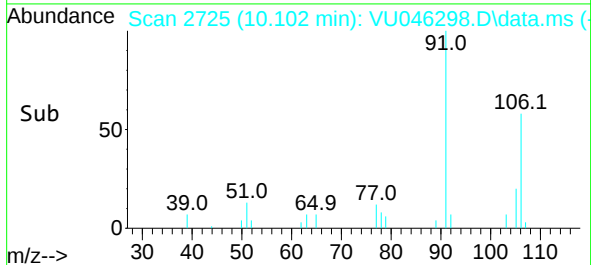
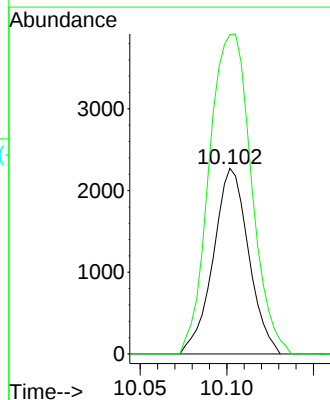
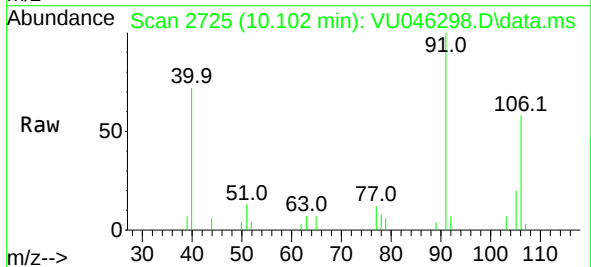
Instrument :
MSVOA_U
ClientSampleId :

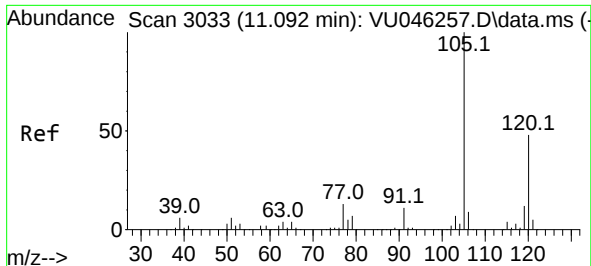
Tgt Ion:106 Resp: 6441
Ion Ratio Lower Upper
106 100
91 206.1 144.3 268.1



#54
o-xylene
Concen: 1.501 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU046298.D
Acq: 11 Dec 2021 19:35

Tgt Ion:106 Resp: 3228
Ion Ratio Lower Upper
106 100
91 172.2 154.2 286.4





#62

1,3,5-Trimethylbenzene

Concen: 0.930 ug/L

RT: 11.089 min Scan# 3033

Delta R.T. -0.003 min

Lab File: VU046298.D

Acq: 11 Dec 2021 19:35

Instrument :

MSVOA_U

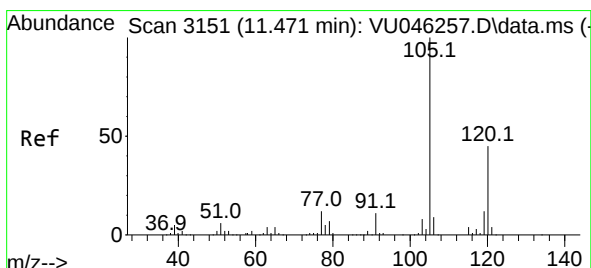
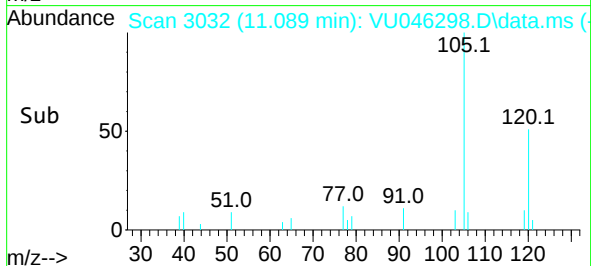
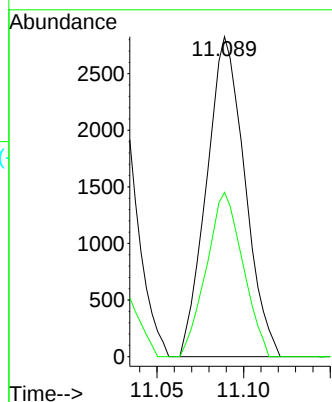
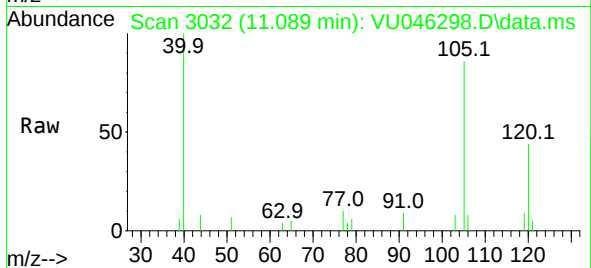
ClientSampleId :

Tgt Ion:105 Resp: 4330

Ion Ratio Lower Upper

105 100

120 49.0 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 4.037 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU046298.D

Acq: 11 Dec 2021 19:35

Tgt Ion:105 Resp: 18815

Ion Ratio Lower Upper

105 100

120 44.8 35.2 52.8

