

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
 Data File : VU046290.D
 Acq On : 11 Dec 2021 16:35
 Operator : SY/MD
 Sample : M4983-04DL 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 12 01:39:17 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	178338	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	181557	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	94211	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	53047	36.110	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	72.220%		
7) Chloroethane-d5	1.919	69	43601	38.656	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	77.320%		
11) 1,1-Dichloroethene-d2	2.572	63	77630	29.436	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	58.880%#		
21) 2-Butanone-d5	4.636	46	126321	108.167	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	108.170%		
24) Chloroform-d	5.067	84	115751	47.183	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.360%		
26) 1,2-Dichloroethane-d4	5.706	65	80317	48.783	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.560%		
32) Benzene-d6	5.732	84	230952	44.382	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.760%		
36) 1,2-Dichloropropane-d6	6.694	67	76549	47.465	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.940%		
41) Toluene-d8	7.899	98	198330	41.860	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.720%		
43) trans-1,3-Dichloroprop...	8.182	79	35918	46.136	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.280%		
47) 2-Hexanone-d5	8.636	63	90927	118.912	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	118.910%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	128571	52.569	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	105.140%		
66) 1,2-Dichlorobenzene-d4	12.195	152	87828	48.408	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.820%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	4103	2.345	ug/L #	78
8) Chloroethane	1.938	64	22895	22.597	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	775	0.597	ug/L #	21
12) 1,1-Dichloroethene	2.581	96	2226	1.805	ug/L #	1
19) 1,1-Dichloroethane	3.874	63	52339	22.059	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	49978	35.296	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	146938	65.932	ug/L	100
31) Carbon tetrachloride	5.324	117	18711	9.890	ug/L	97
37) 1,2-Dichloropropane	6.694	63	8322	5.781	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	2086	0.953	ug/L #	67
42) Toluene	7.970	91	11673	1.980	ug/L	93
44) trans-1,3-Dichloropropene	8.182	75	1464	0.681	ug/L	88
53) m,p-Xylene	9.693	106	2144	0.866	ug/L	99
60) 1,2,3-Trichloropropane	11.812	75	11503	5.570	ug/L #	62
62) 1,3,5-Trimethylbenzene	11.468	105	4737	0.927	ug/L	92
63) 1,2,4-Trimethylbenzene	11.468	105	4737	0.927	ug/L	96

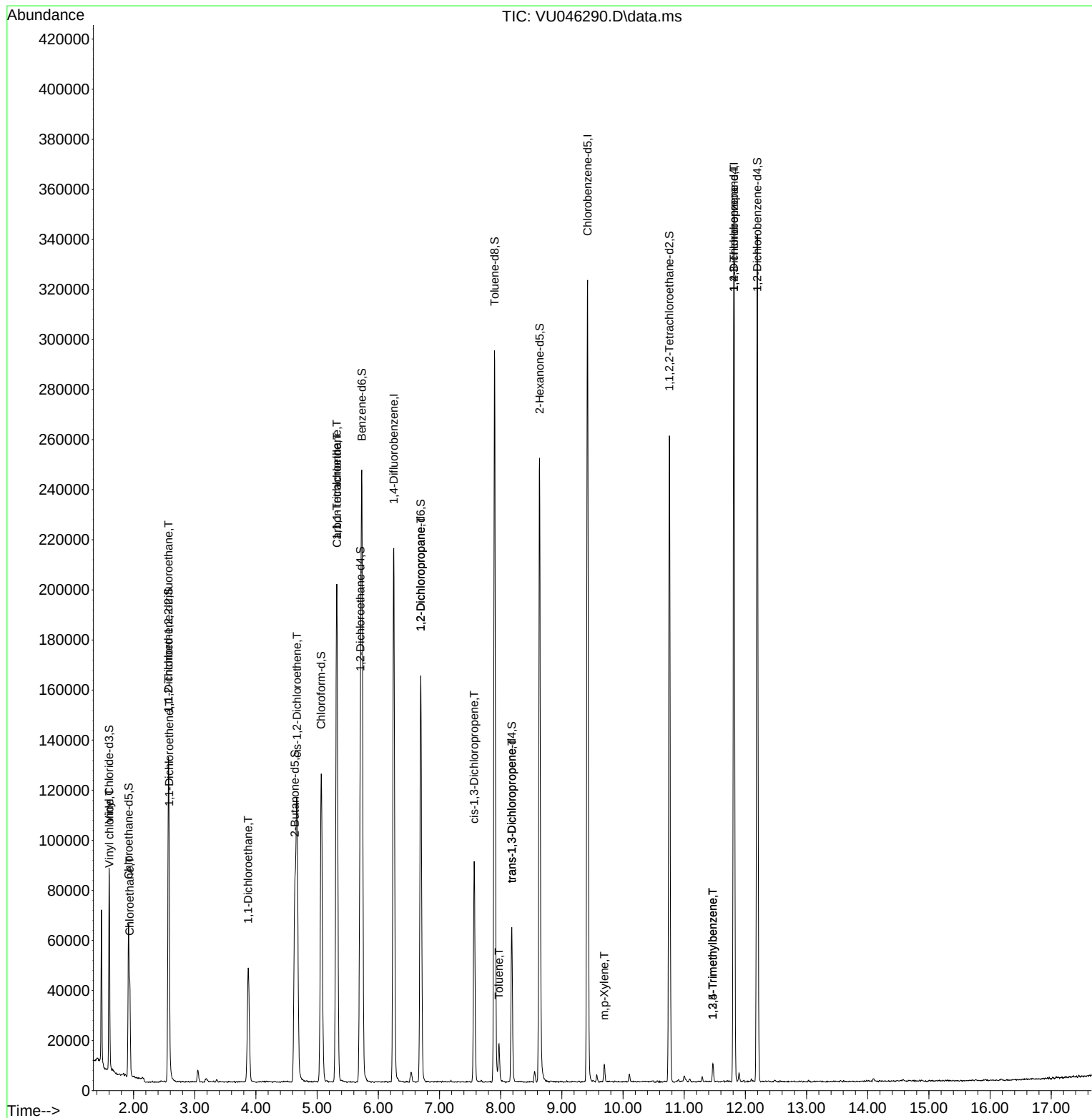
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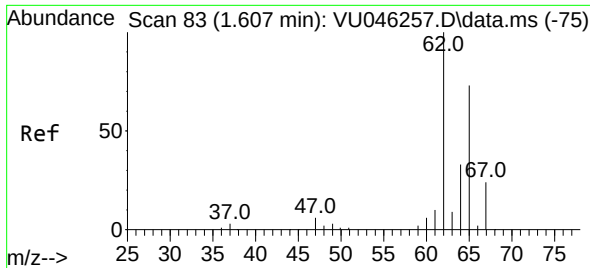
Instrument :
MSVOA_U
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
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ClientSampleId :

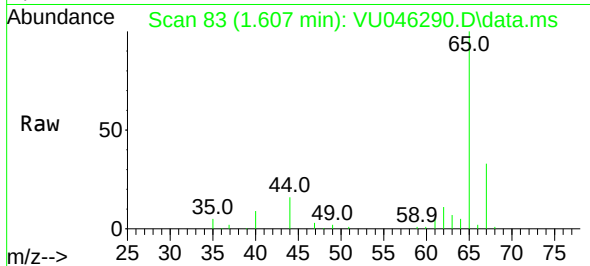
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration



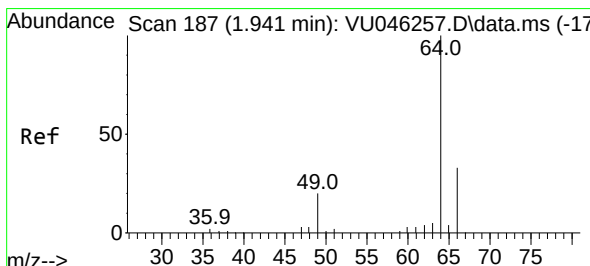
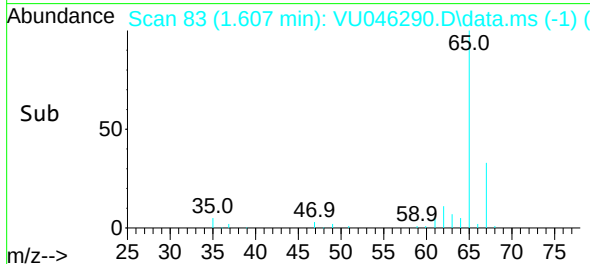
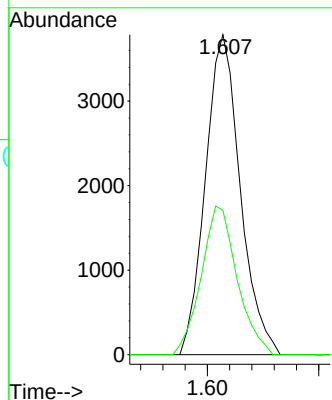


#5
 Vinyl chloride
 Concen: 2.345 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU046290.D
 Acq: 11 Dec 2021 16:35

Instrument :
 MSVOA_U
 ClientSampleId :

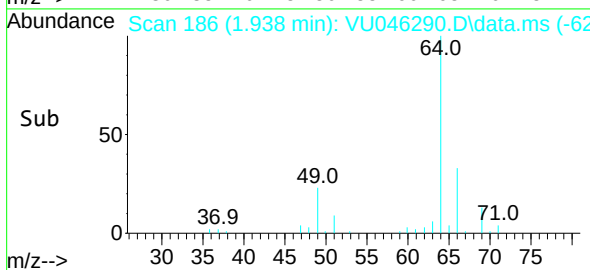
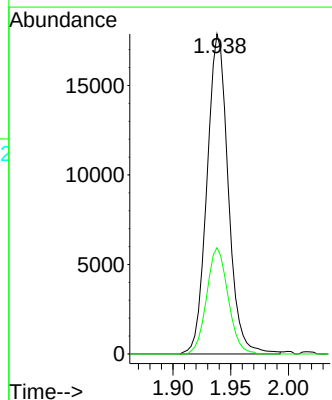
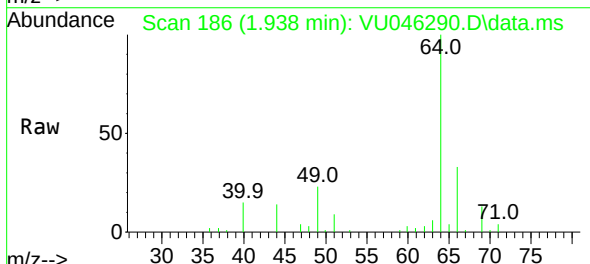


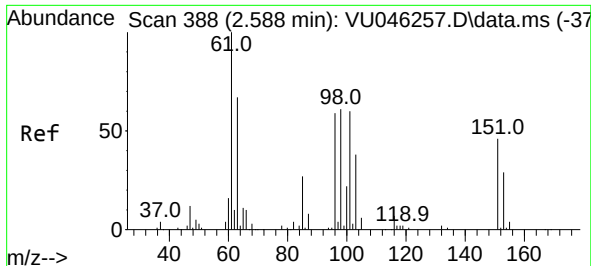
Tgt Ion: 62 Resp: 4103
 Ion Ratio Lower Upper
 62 100
 64 45.1 22.9 42.5#



#8
 Chloroethane
 Concen: 22.597 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. -0.000 min
 Lab File: VU046290.D
 Acq: 11 Dec 2021 16:35

Tgt Ion: 64 Resp: 22895
 Ion Ratio Lower Upper
 64 100
 66 33.2 22.5 41.9

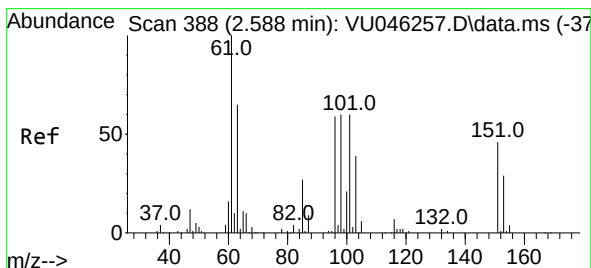
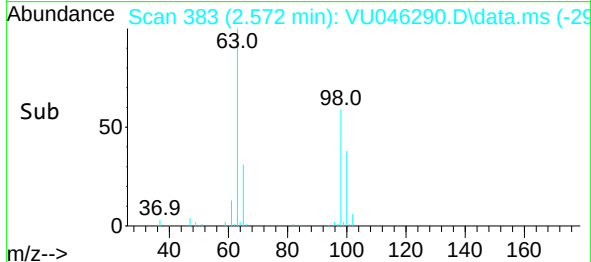
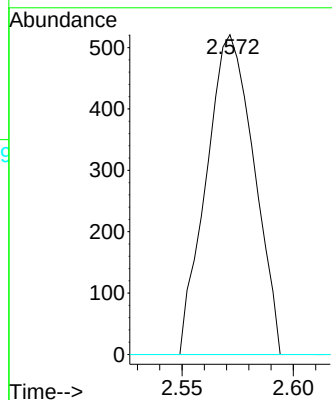
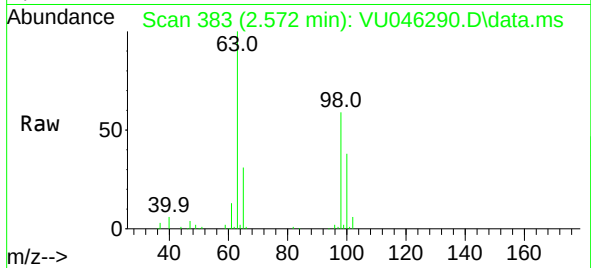




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.597 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU046290.D
Acq: 11 Dec 2021 16:35

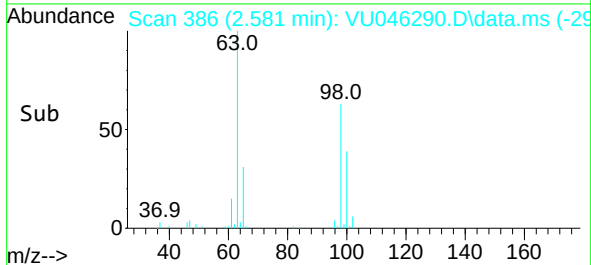
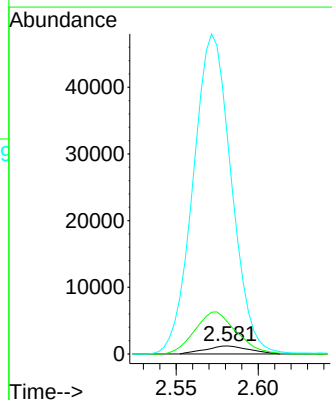
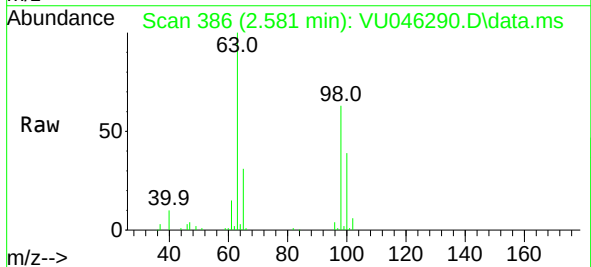
Instrument :
MSVOA_U
ClientSampleId :

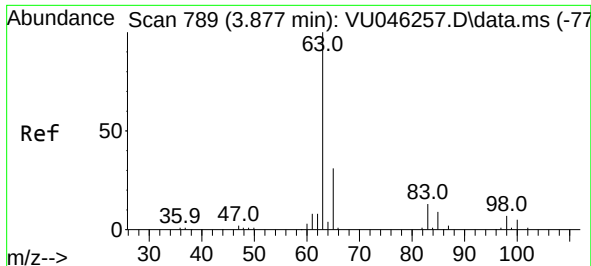
Tgt Ion:101 Resp: 775
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 1.805 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.003 min
Lab File: VU046290.D
Acq: 11 Dec 2021 16:35

Tgt Ion: 96 Resp: 2226
Ion Ratio Lower Upper
96 100
61 395.6 118.6 220.2#
63 2682.5 93.0 172.8#





#19

1,1-Dichloroethane

Concen: 22.059 ug/L

RT: 3.874 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU046290.D

Acq: 11 Dec 2021 16:35

Instrument :

MSVOA_U

ClientSampleId :

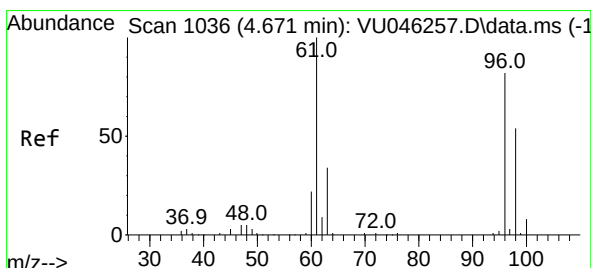
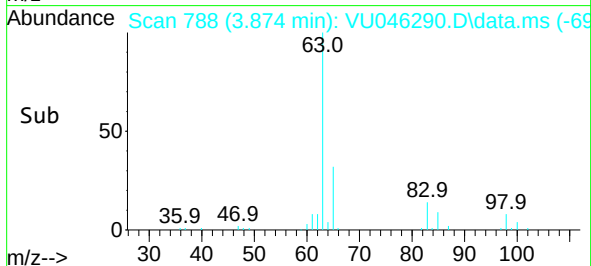
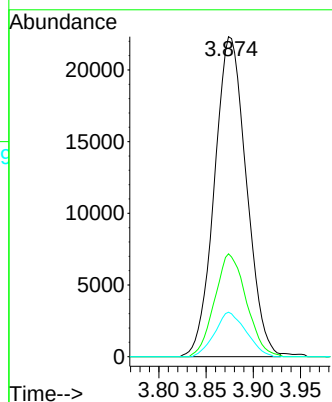
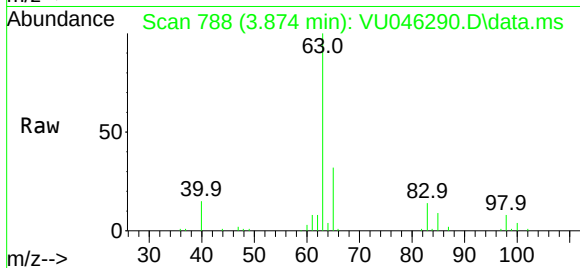
Tgt Ion: 63 Resp: 52339

Ion Ratio Lower Upper

63 100

65 32.2 22.8 42.4

83 13.9 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 35.296 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU046290.D

Acq: 11 Dec 2021 16:35

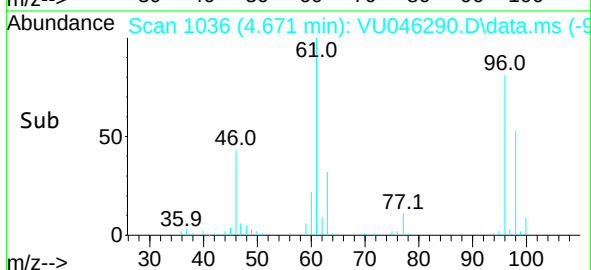
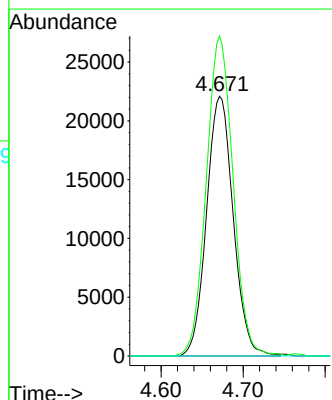
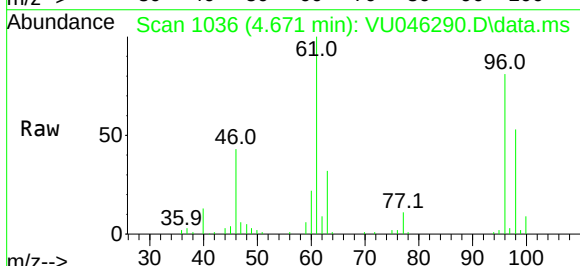
Tgt Ion: 96 Resp: 49978

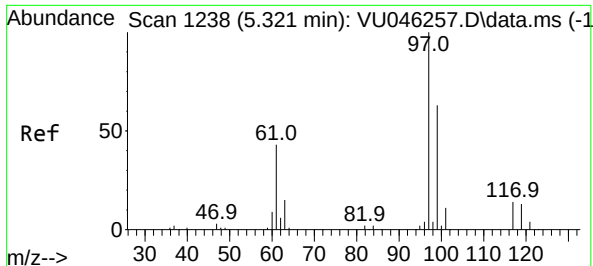
Ion Ratio Lower Upper

96 100

61 123.2 86.8 161.2

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 65.932 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046290.D

Acq: 11 Dec 2021 16:35

Instrument :

MSVOA_U

ClientSampleId :

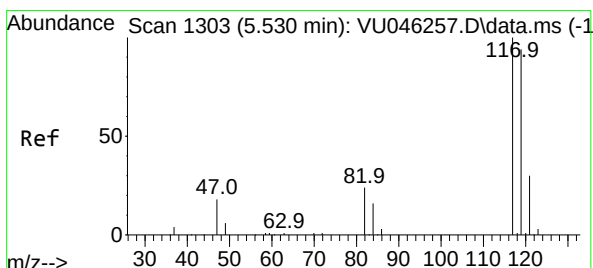
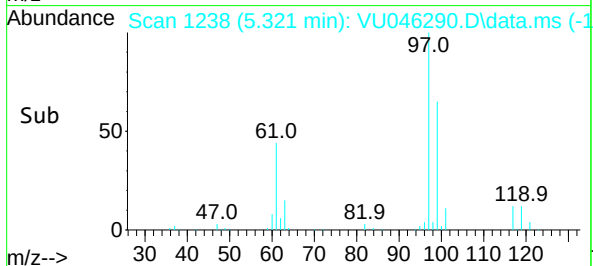
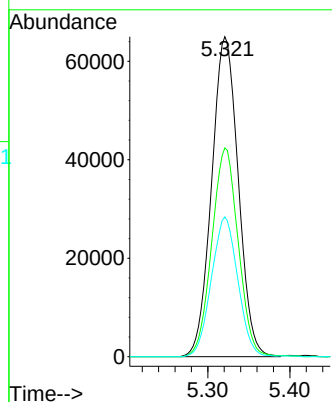
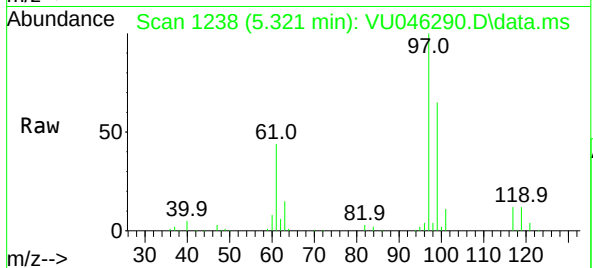
Tgt Ion: 97 Resp: 146938

Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

61 43.4 34.4 51.6



#31

Carbon tetrachloride

Concen: 9.890 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. -0.206 min

Lab File: VU046290.D

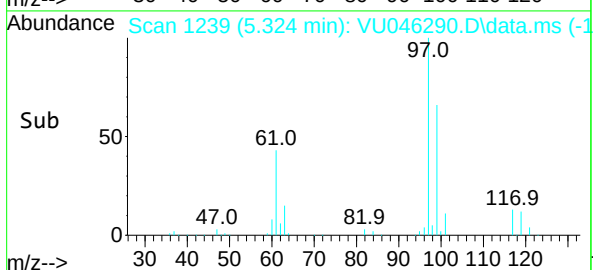
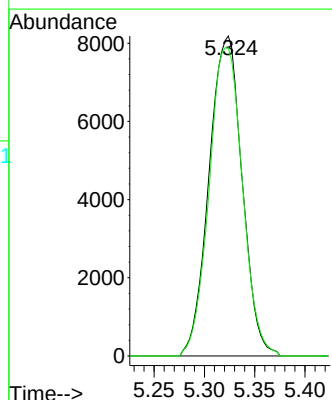
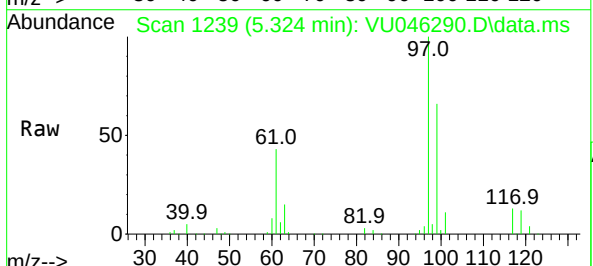
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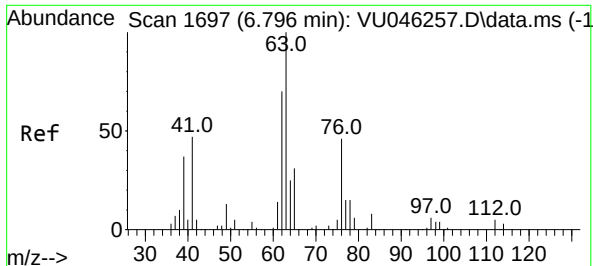
Tgt Ion: 117 Resp: 18711

Ion Ratio Lower Upper

117 100

119 97.2 75.7 113.5





#37

1,2-Dichloropropane

Concen: 5.781 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046290.D

Acq: 11 Dec 2021 16:35

Instrument :

MSVOA_U

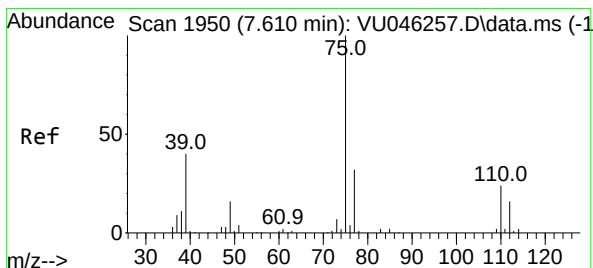
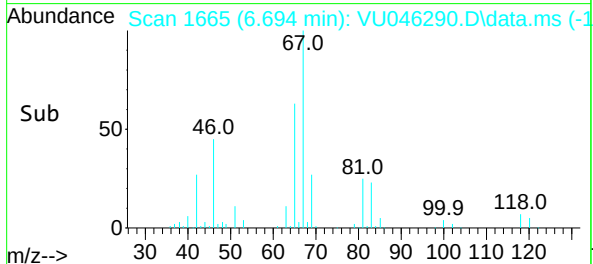
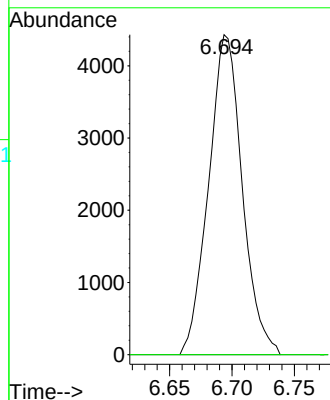
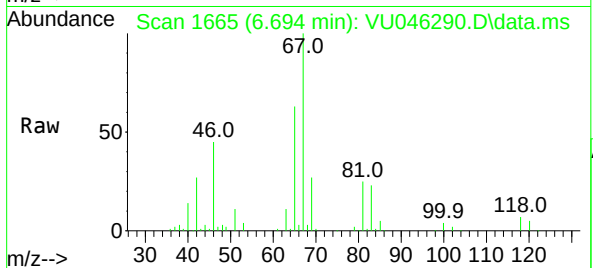
ClientSampleId :

Tgt Ion: 63 Resp: 8322

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.953 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU046290.D

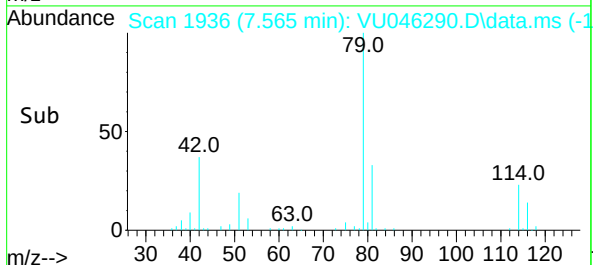
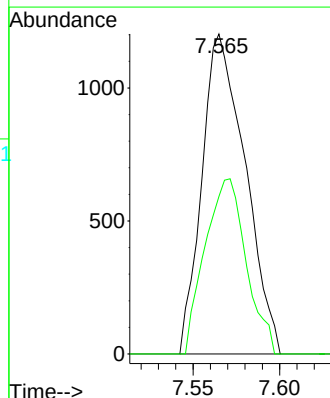
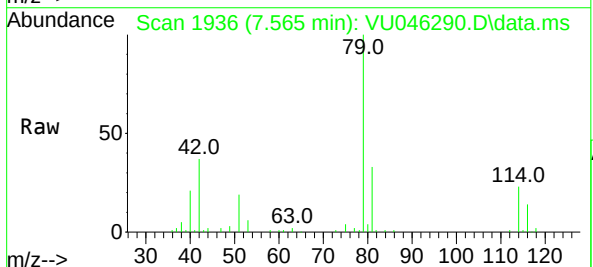
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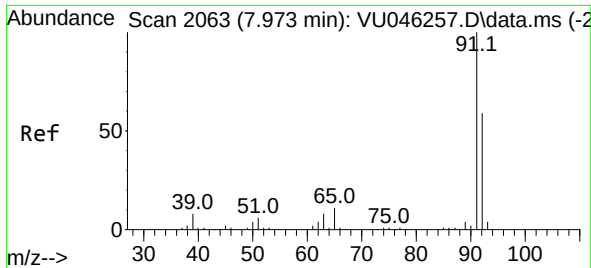
Tgt Ion: 75 Resp: 2086

Ion Ratio Lower Upper

75 100

77 49.2 21.8 40.6#





#42

Toluene

Concen: 1.980 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046290.D

Acq: 11 Dec 2021 16:35

Instrument :

MSVOA_U

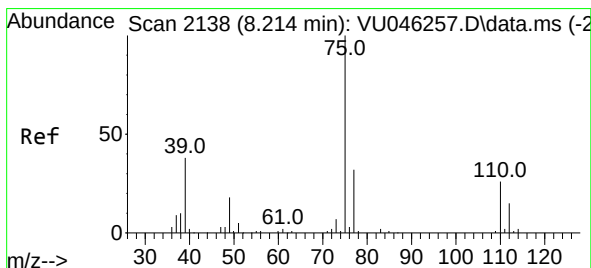
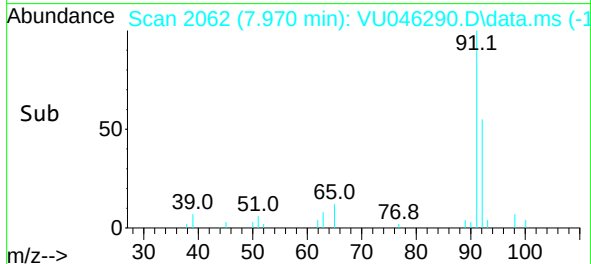
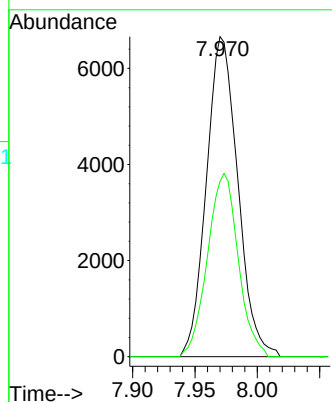
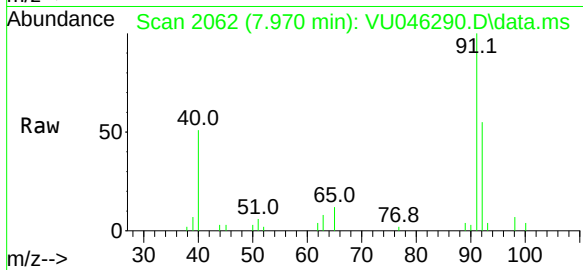
ClientSampleId :

Tgt Ion: 91 Resp: 11673

Ion Ratio Lower Upper

91 100

92 54.8 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 0.681 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.032 min

Lab File: VU046290.D

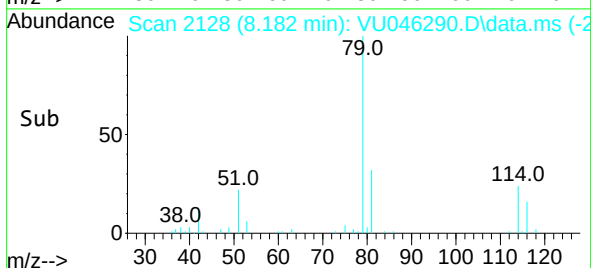
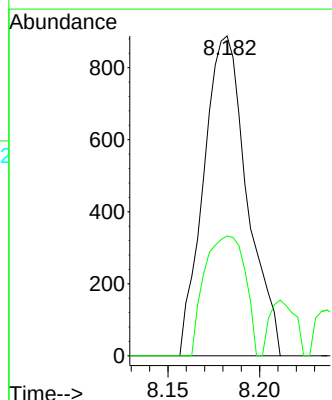
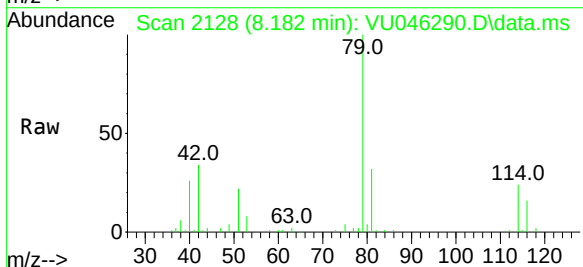
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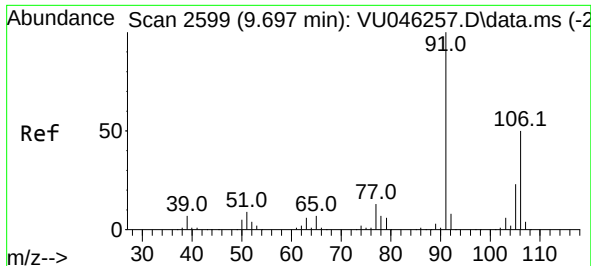
Tgt Ion: 75 Resp: 1464

Ion Ratio Lower Upper

75 100

77 37.5 21.7 40.3

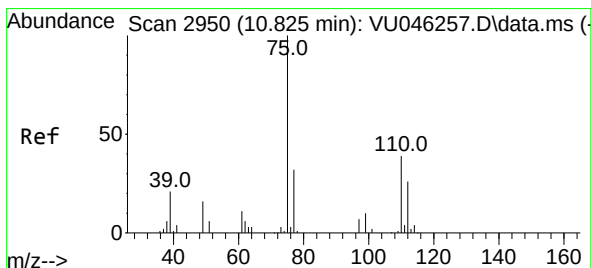
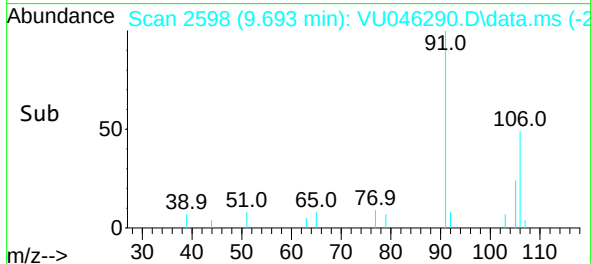
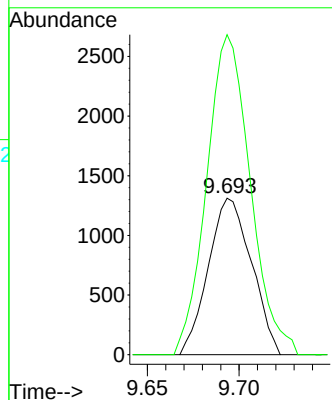
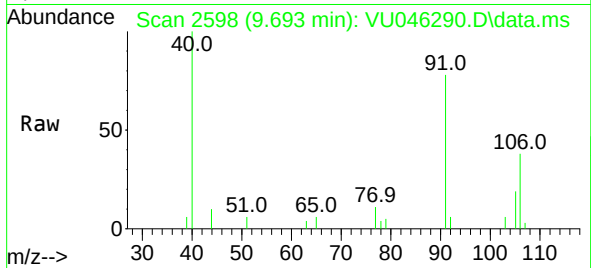




#53
m,p-Xylene
Concen: 0.866 ug/L
RT: 9.693 min Scan# 2144
Delta R.T. -0.003 min
Lab File: VU046290.D
Acq: 11 Dec 2021 16:35

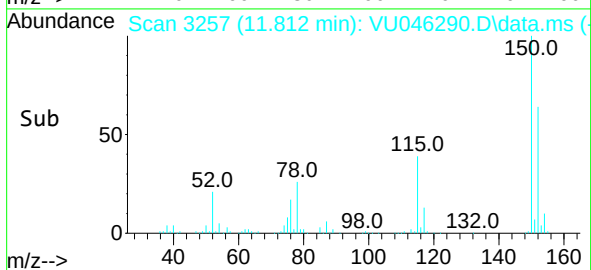
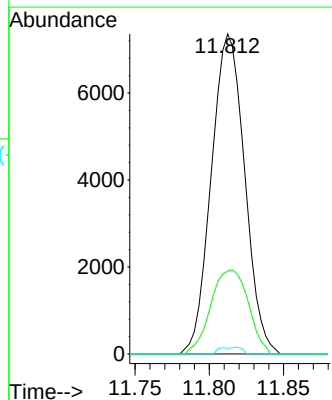
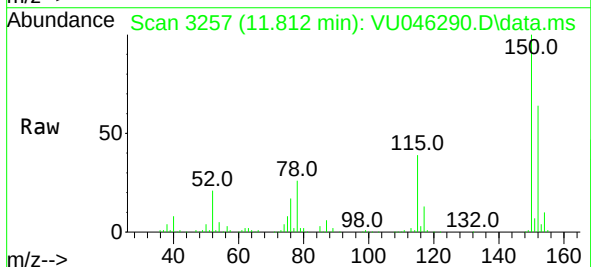
Instrument :
MSVOA_U
ClientSampleId :

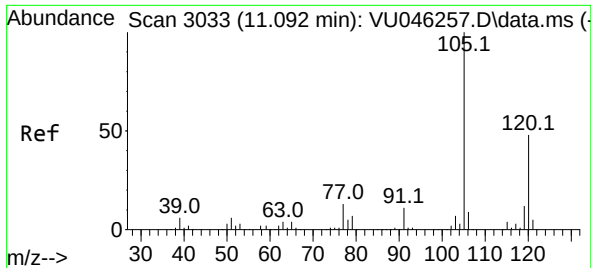
Tgt Ion:106 Resp: 2144
Ion Ratio Lower Upper
106 100
91 204.4 144.3 268.1



#60
1,2,3-Trichloropropane
Concen: 5.570 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046290.D
Acq: 11 Dec 2021 16:35

Tgt Ion: 75 Resp: 11503
Ion Ratio Lower Upper
75 100
77 29.5 26.4 39.6
110 0.7 32.4 48.6#

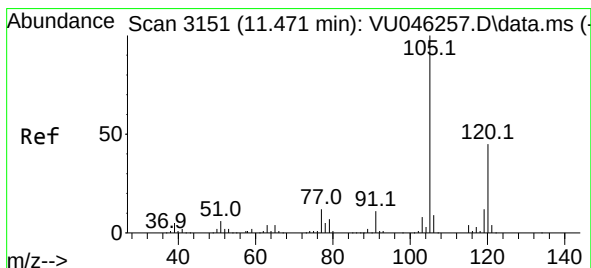
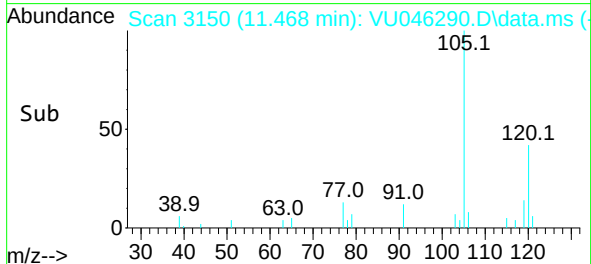
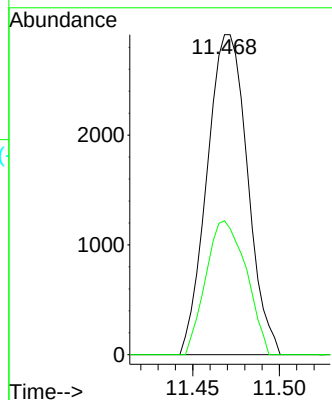
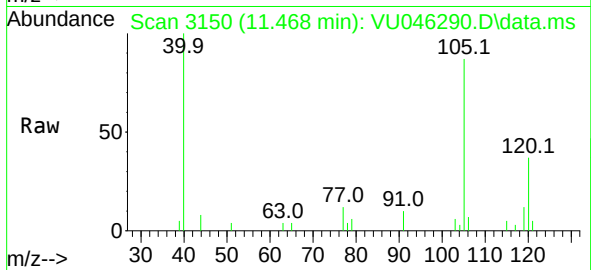




#62
1,3,5-Trimethylbenzene
Concen: 0.927 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.376 min
Lab File: VU046290.D
Acq: 11 Dec 2021 16:35

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:105 Resp: 4737
Ion Ratio Lower Upper
105 100
120 41.6 37.8 56.6



#63
1,2,4-Trimethylbenzene
Concen: 0.927 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU046290.D
Acq: 11 Dec 2021 16:35

Tgt Ion:105 Resp: 4737
Ion Ratio Lower Upper
105 100
120 41.6 35.2 52.8

