

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121021\
 Data File : VU046263.D
 Acq On : 10 Dec 2021 14:03
 Operator : SY/MD
 Sample : M4943-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 22:24:23 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)

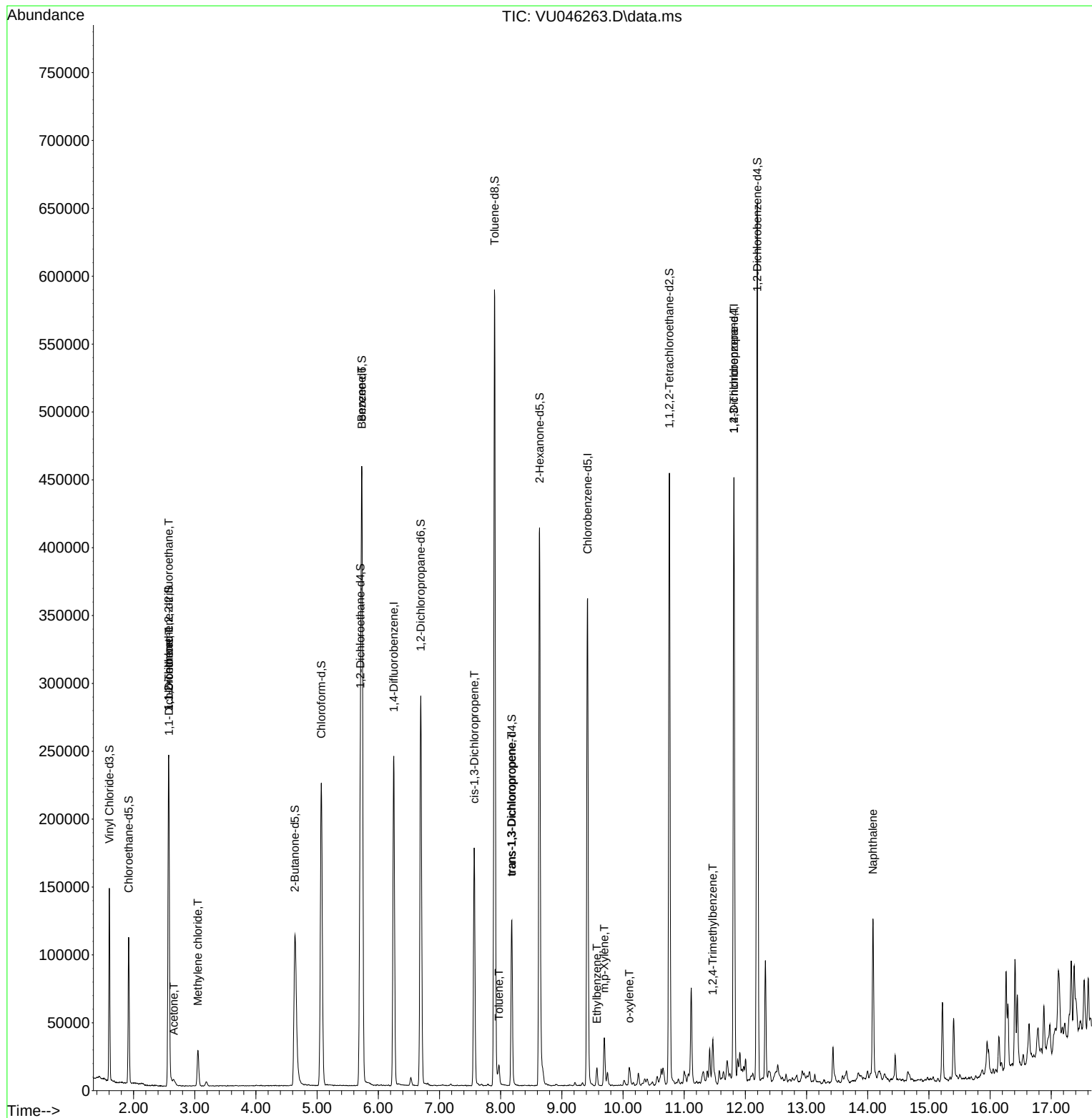
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	201094	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	209200	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	117135	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	97846	59.068	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 118.140%			
7) Chloroethane-d5	1.919	69	77862	61.219	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 122.440%			
11) 1,1-Dichloroethene-d2	2.575	63	143710	48.326	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 96.660%			
21) 2-Butanone-d5	4.636	46	196615	149.308	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 149.310%#			
24) Chloroform-d	5.070	84	210344	76.038	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 152.080%#			
26) 1,2-Dichloroethane-d4	5.706	65	139666	75.231	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 150.460%#			
32) Benzene-d6	5.732	84	436840	72.855	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 145.700%#			
36) 1,2-Dichloropropane-d6	6.693	67	138814	74.700	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 149.400%#			
41) Toluene-d8	7.899	98	396074	72.549	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 145.100%#			
43) trans-1,3-Dichloroprop...	8.182	79	72386	80.693	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 161.380%#			
47) 2-Hexanone-d5	8.636	63	153015	173.668	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 173.670%#			
56) 1,1,2,2-Tetrachloroeth...	10.758	84	219339	77.831	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 155.660%#			
66) 1,2-Dichlorobenzene-d4	12.195	152	168684	74.778	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 149.560%#			
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	1336	0.913	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	1091	0.785	ug/L #	1
13) Acetone	2.655	43	7528	4.574	ug/L	95
16) Methylene chloride	3.051	84	13457	8.135	ug/L	96
33) Benzene	5.729	78	3476	0.549	ug/L	100
39) cis-1,3-Dichloropropene	7.568	75	4165	1.651	ug/L #	65
42) Toluene	7.973	91	9296	1.368	ug/L	99
44) trans-1,3-Dichloropropene	8.179	75	3044	1.228	ug/L #	64
52) Ethylbenzene	9.571	91	10205	1.396	ug/L	93
53) m,p-Xylene	9.693	106	11268	3.952	ug/L	90
54) o-xylene	10.102	106	3294	1.190	ug/L	99
60) 1,2,3-Trichloropropane	11.812	75	13706	5.338	ug/L #	64
63) 1,2,4-Trimethylbenzene	11.468	105	14670	2.308	ug/L	98
71) Naphthalene	14.085	128	98203	12.056	ug/L	99

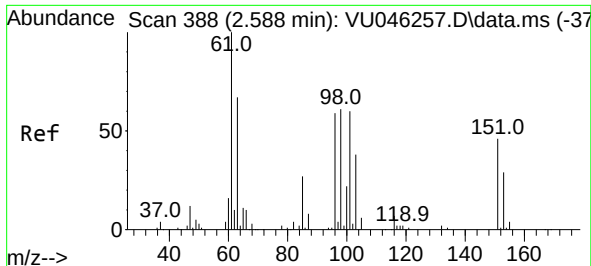
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.913 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.013 min

Lab File: VU046263.D

Acq: 10 Dec 2021 14:03

Instrument :

MSVOA_U

ClientSampleId :

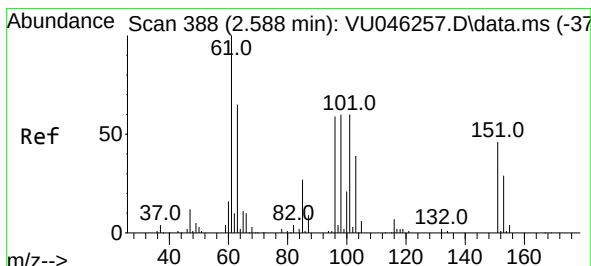
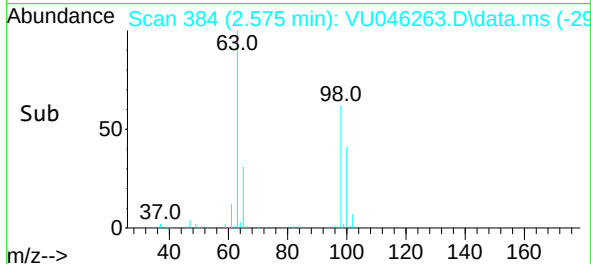
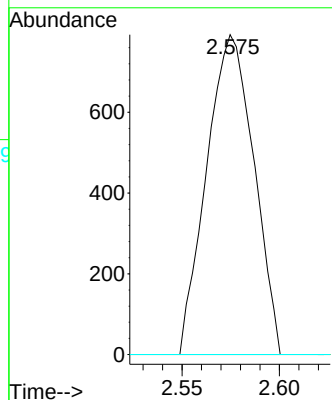
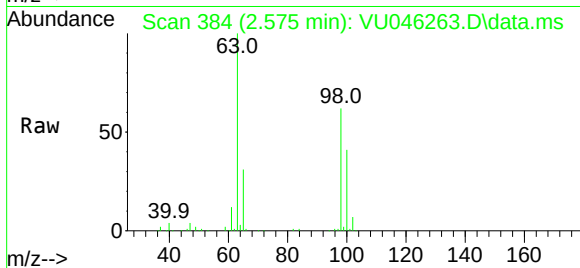
Tgt Ion:101 Resp: 1336

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: 0.785 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.007 min

Lab File: VU046263.D

Acq: 10 Dec 2021 14:03

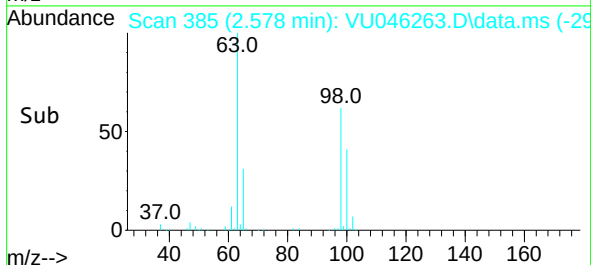
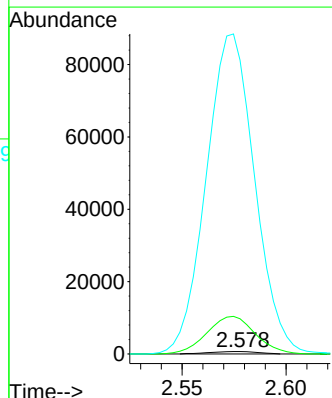
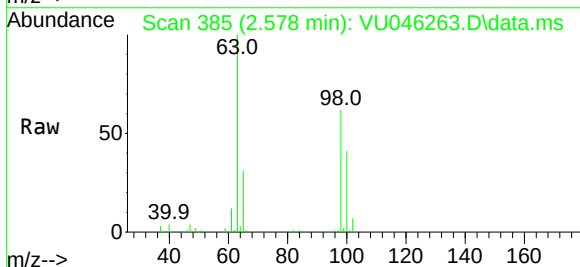
Tgt Ion: 96 Resp: 1091

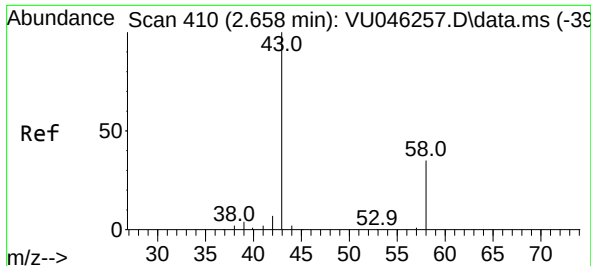
Ion Ratio Lower Upper

96 100

61 1428.0 118.6 220.2#

63 11927.2 93.0 172.8#





#13

Acetone

Concen: 4.574 ug/L

RT: 2.655 min Scan# 409

Delta R.T. -0.007 min

Lab File: VU046263.D

Acq: 10 Dec 2021 14:03

Instrument :

MSVOA_U

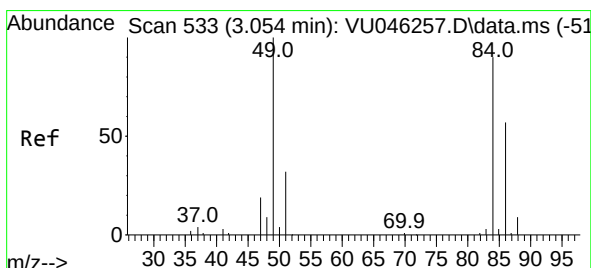
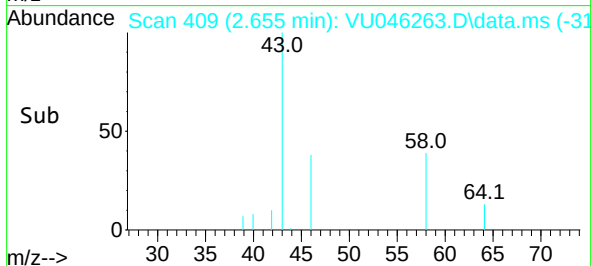
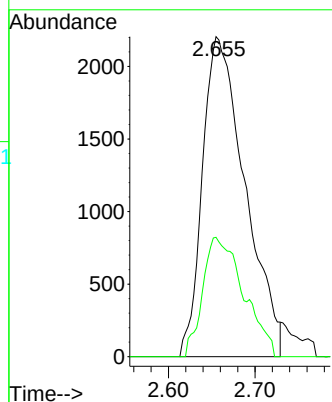
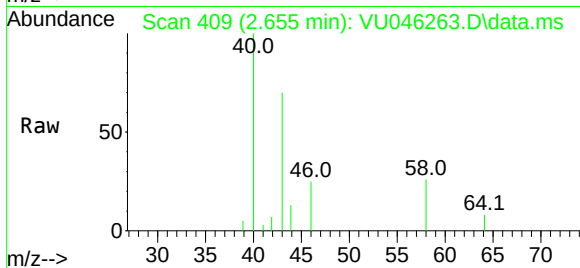
ClientSampleId :

Tgt Ion: 43 Resp: 7528

Ion Ratio Lower Upper

43 100

58 30.4 0.0 66.8



#16

Methylene chloride

Concen: 8.135 ug/L

RT: 3.051 min Scan# 532

Delta R.T. -0.000 min

Lab File: VU046263.D

Acq: 10 Dec 2021 14:03

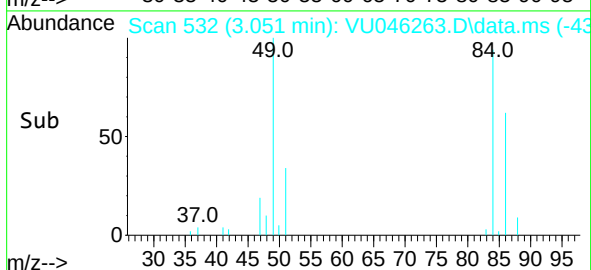
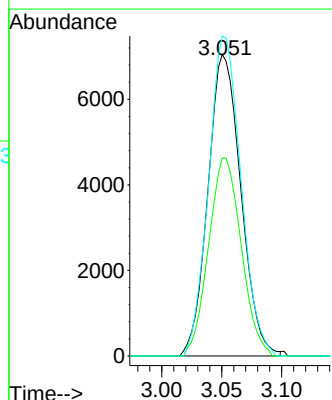
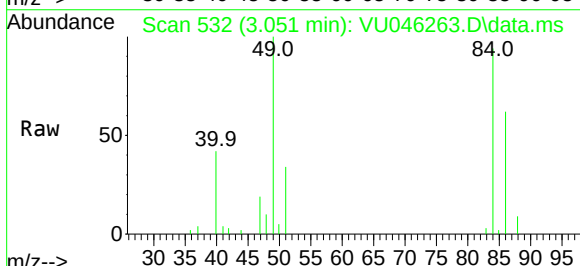
Tgt Ion: 84 Resp: 13457

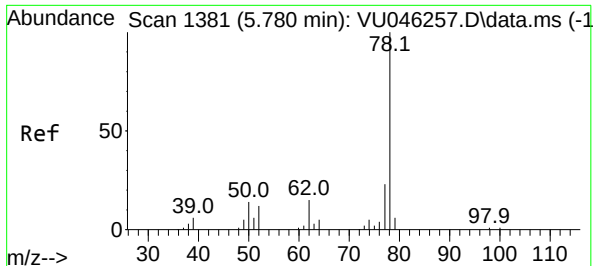
Ion Ratio Lower Upper

84 100

86 65.7 44.7 83.1

49 106.1 78.4 145.6

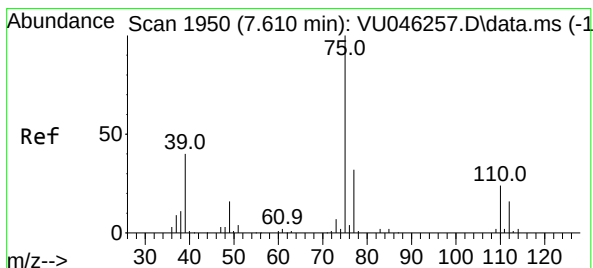
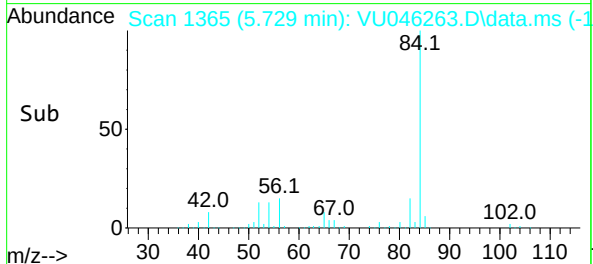
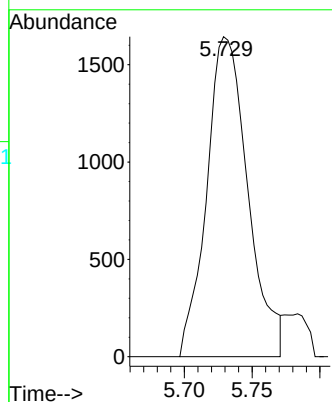
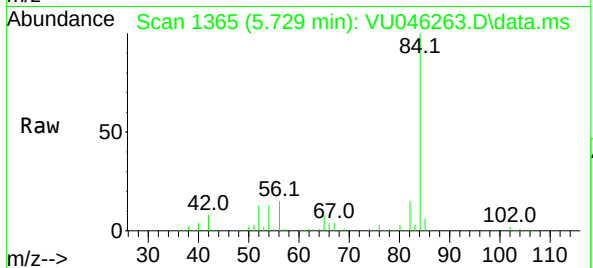




#33
Benzene
Concen: 0.549 ug/L
RT: 5.729 min Scan# 11
Delta R.T. -0.052 min
Lab File: VU046263.D
Acq: 10 Dec 2021 14:03

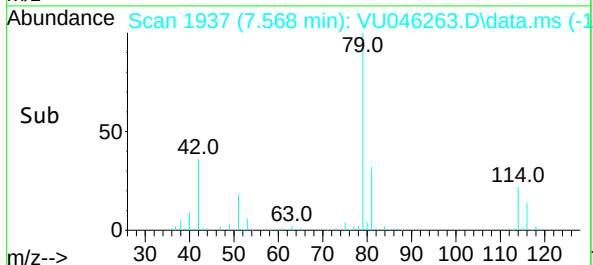
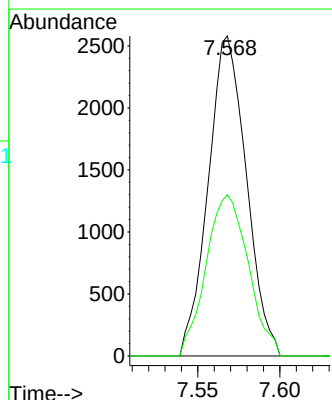
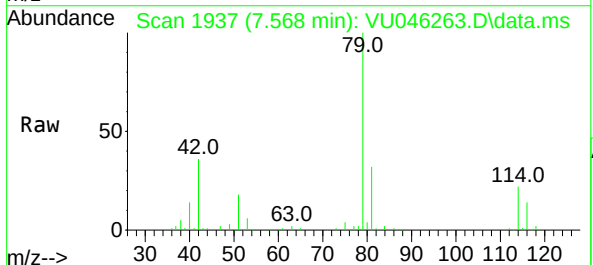
Instrument :
MSVOA_U
ClientSampleId :

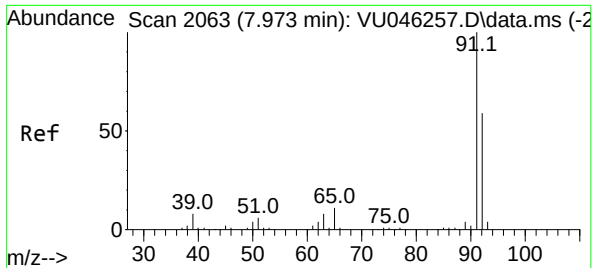
Tgt Ion: 78 Resp: 3476



#39
cis-1,3-Dichloropropene
Concen: 1.651 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.042 min
Lab File: VU046263.D
Acq: 10 Dec 2021 14:03

Tgt Ion: 75 Resp: 4165
Ion Ratio Lower Upper
75 100
77 50.4 21.8 40.6#





#42

Toluene

Concen: 1.368 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

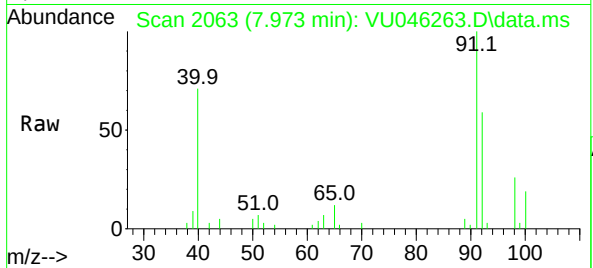
Lab File: VU046263.D

Acq: 10 Dec 2021 14:03

Instrument :

MSVOA_U

ClientSampleId :

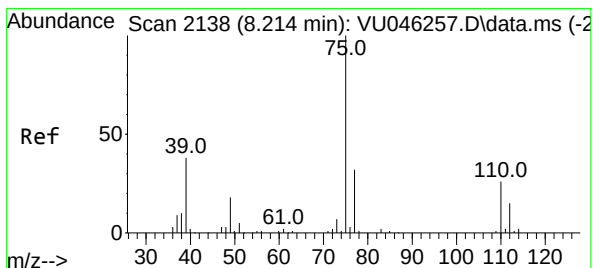
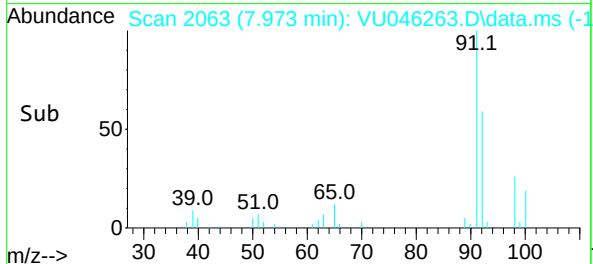
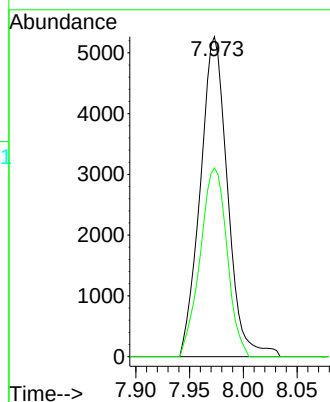


Tgt Ion: 91 Resp: 9296

Ion Ratio Lower Upper

91 100

92 58.9 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 1.228 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.036 min

Lab File: VU046263.D

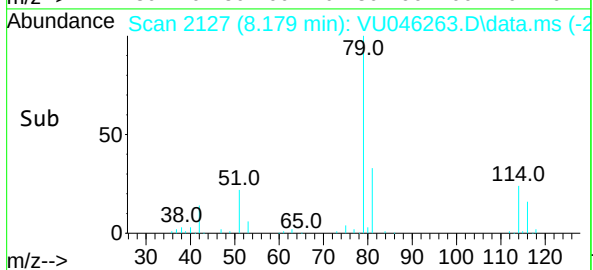
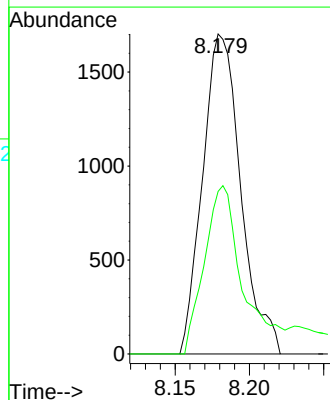
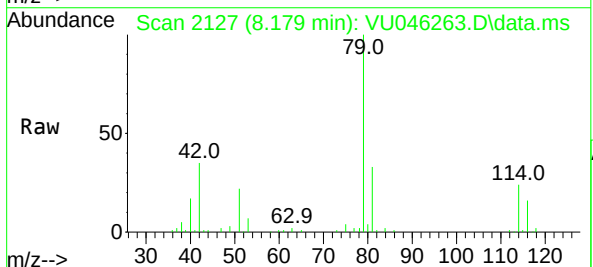
Acq: 10 Dec 2021 14:03

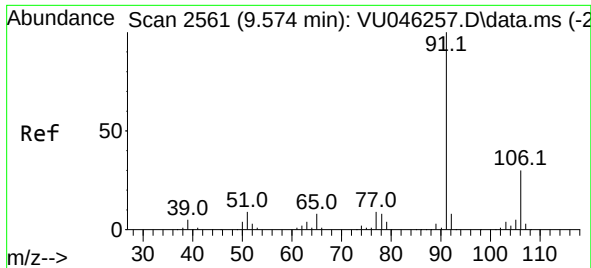
Tgt Ion: 75 Resp: 3044

Ion Ratio Lower Upper

75 100

77 50.8 21.7 40.3#

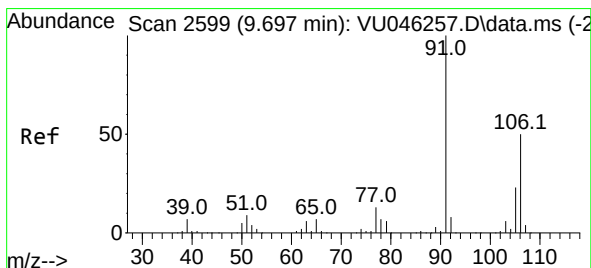
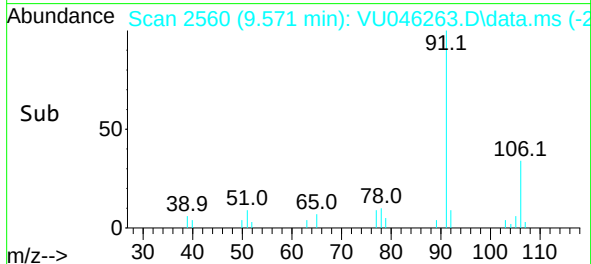
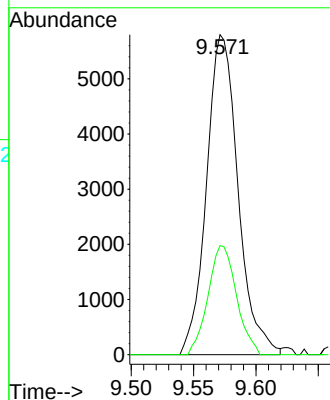
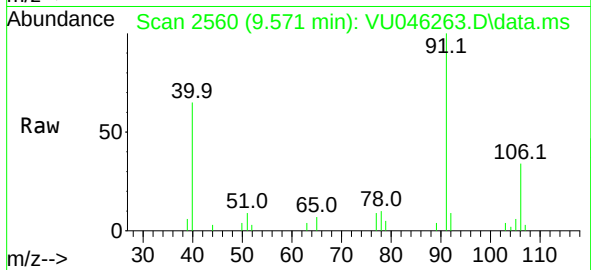




#52
Ethylbenzene
Concen: 1.396 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU046263.D
Acq: 10 Dec 2021 14:03

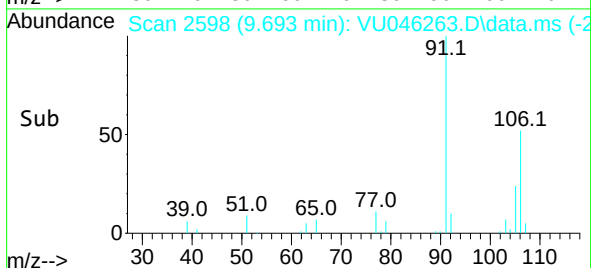
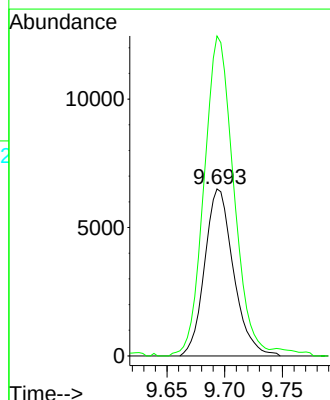
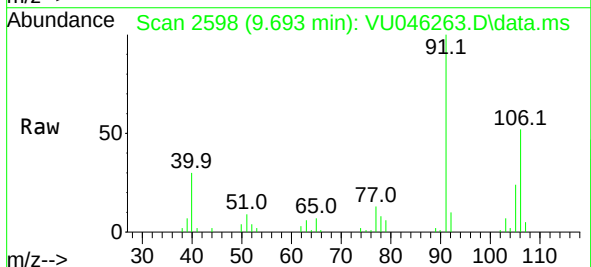
Instrument :
MSVOA_U
ClientSampleId :

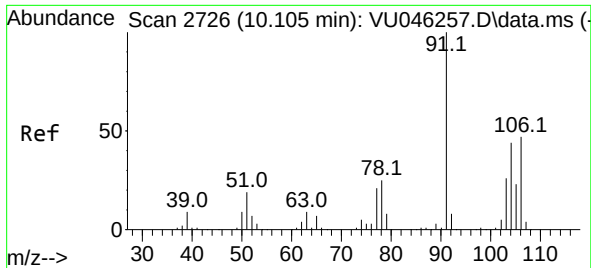
Tgt Ion: 91 Resp: 10205
Ion Ratio Lower Upper
91 100
106 34.1 21.1 39.3



#53
m,p-Xylene
Concen: 3.952 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046263.D
Acq: 10 Dec 2021 14:03

Tgt Ion:106 Resp: 11268
Ion Ratio Lower Upper
106 100
91 191.5 144.3 268.1

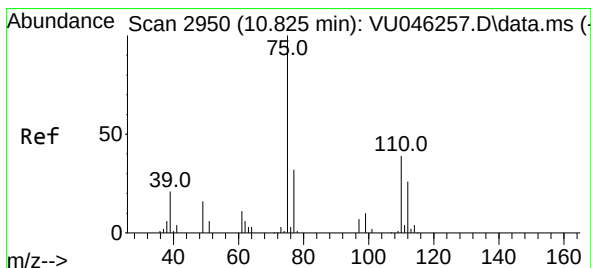
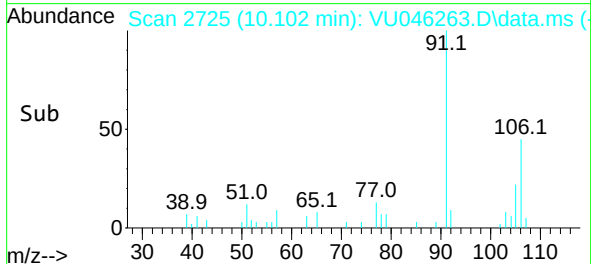
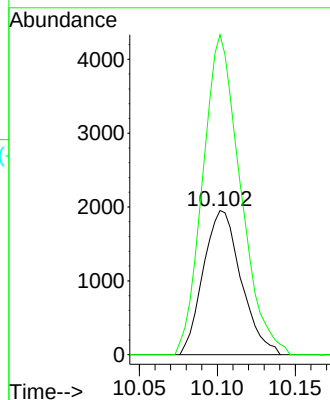
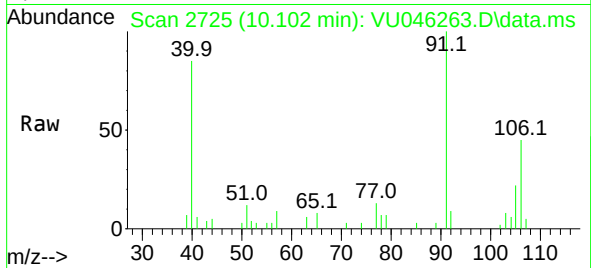




#54
o-xylene
Concen: 1.190 ug/L
RT: 10.102 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046263.D
Acq: 10 Dec 2021 14:03

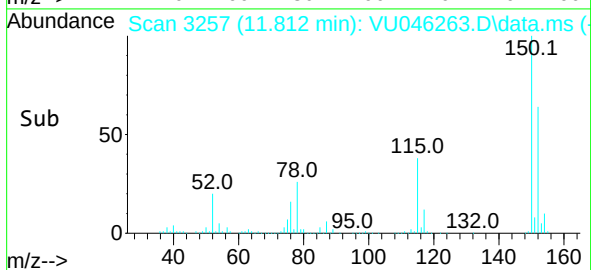
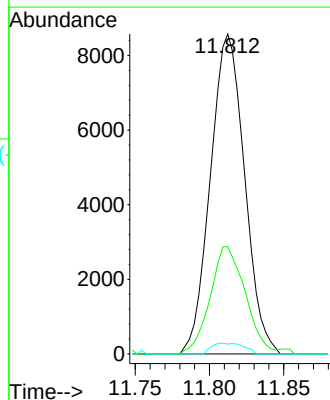
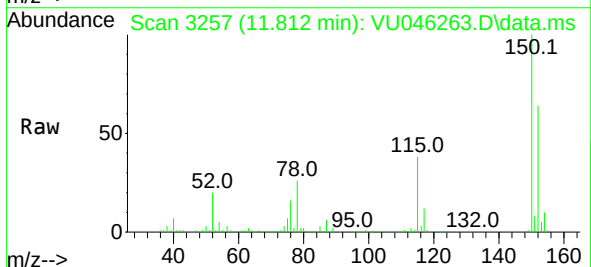
Instrument :
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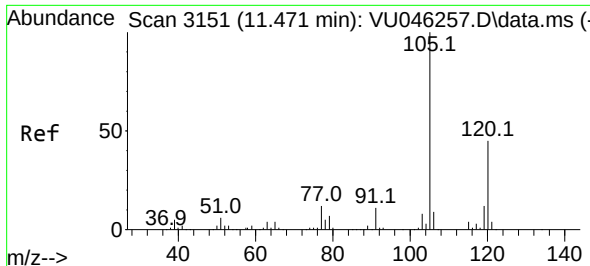
Tgt Ion:106 Resp: 3294
Ion Ratio Lower Upper
106 100
91 222.0 154.2 286.4



#60
1,2,3-Trichloropropane
Concen: 5.338 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046263.D
Acq: 10 Dec 2021 14:03

Tgt Ion: 75 Resp: 13706
Ion Ratio Lower Upper
75 100
77 34.5 26.4 39.6
110 1.7 32.4 48.6#

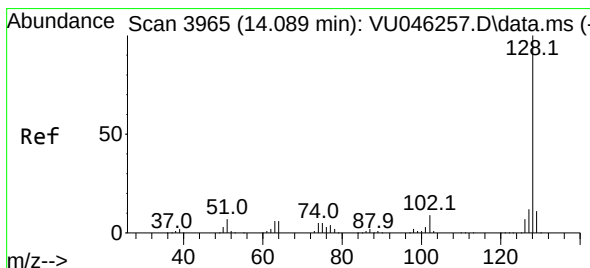
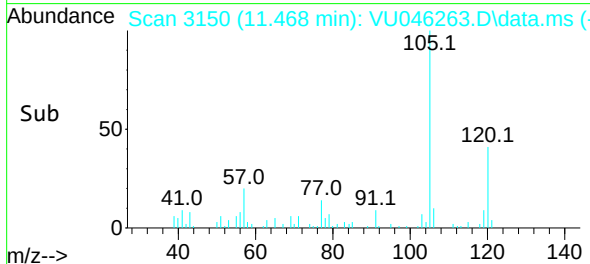
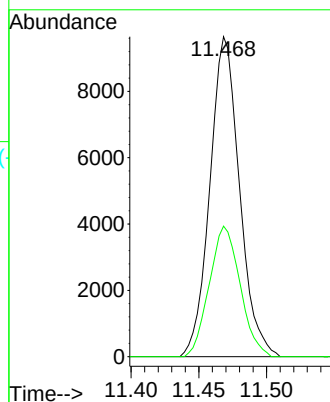
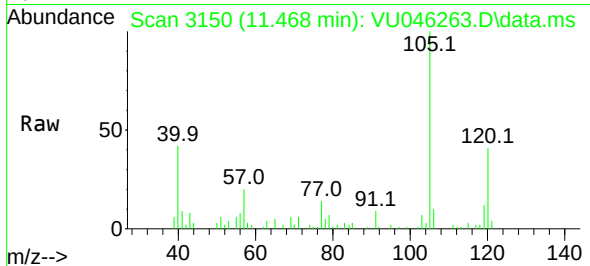




#63
1,2,4-Trimethylbenzene
Concen: 2.308 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU046263.D
Acq: 10 Dec 2021 14:03

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:105 Resp: 14670
Ion Ratio Lower Upper
105 100
120 42.4 35.2 52.8



#71
Naphthalene
Concen: 12.056 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.003 min
Lab File: VU046263.D
Acq: 10 Dec 2021 14:03

Tgt Ion:128 Resp: 98203
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.5 8.6 13.0

