

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
 Data File : VU046054.D
 Acq On : 02 Dec 2021 15:57
 Operator : SY/MD
 Sample : M4870-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 03 05:11:53 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	219111	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	215985	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	112829	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	61698	34.183	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	68.360%		
7) Chloroethane-d5	1.916	69	49414	35.657	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	71.320%		
11) 1,1-Dichloroethene-d2	2.568	63	88645	27.358	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	54.720%#		
21) 2-Butanone-d5	4.633	46	130385	90.872	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	90.870%		
24) Chloroform-d	5.067	84	127332	42.245	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.500%		
26) 1,2-Dichloroethane-d4	5.703	65	84568	41.807	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.620%		
32) Benzene-d6	5.729	84	267398	43.195	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.380%		
36) 1,2-Dichloropropane-d6	6.694	67	84732	44.165	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.320%		
41) Toluene-d8	7.899	98	244155	43.317	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.640%		
43) trans-1,3-Dichloroprop...	8.182	79	39448	42.594	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.180%		
47) 2-Hexanone-d5	8.632	63	89960	98.895	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.890%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	122867	42.229	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	84.460%		
66) 1,2-Dichlorobenzene-d4	12.195	152	98188	45.188	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.380%		
Target Compounds					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	857	0.538	ug/L #	21
12) 1,1-Dichloroethene	2.568	96	604	0.399	ug/L #	1
13) Acetone	2.649	43	25419	14.175	ug/L	92
20) cis-1,2-Dichloroethene	4.671	96	7252	4.169	ug/L	99
22) 2-Butanone	4.716	43	6218	3.185	ug/L	96
33) Benzene	5.780	78	4306	0.659	ug/L	100
37) 1,2-Dichloropropane	6.694	63	9144	5.340	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	2537	0.974	ug/L #	46
40) 4-Methyl-2-pentanone	7.793	43	4567	1.815	ug/L	96
42) Toluene	7.973	91	19027	2.713	ug/L	96
44) trans-1,3-Dichloropropene	8.182	75	1677	0.655	ug/L	97
52) Ethylbenzene	9.571	91	76843	10.179	ug/L	100
53) m,p-Xylene	9.693	106	75796	25.746	ug/L	95
54) o-xylene	10.102	106	31490	11.023	ug/L	96
62) 1,3,5-Trimethylbenzene	11.089	105	6319	1.033	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	22792	3.723	ug/L	99
71) Naphthalene	14.086	128	100837	12.852	ug/L	100

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Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Dec 03 05:11:53 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

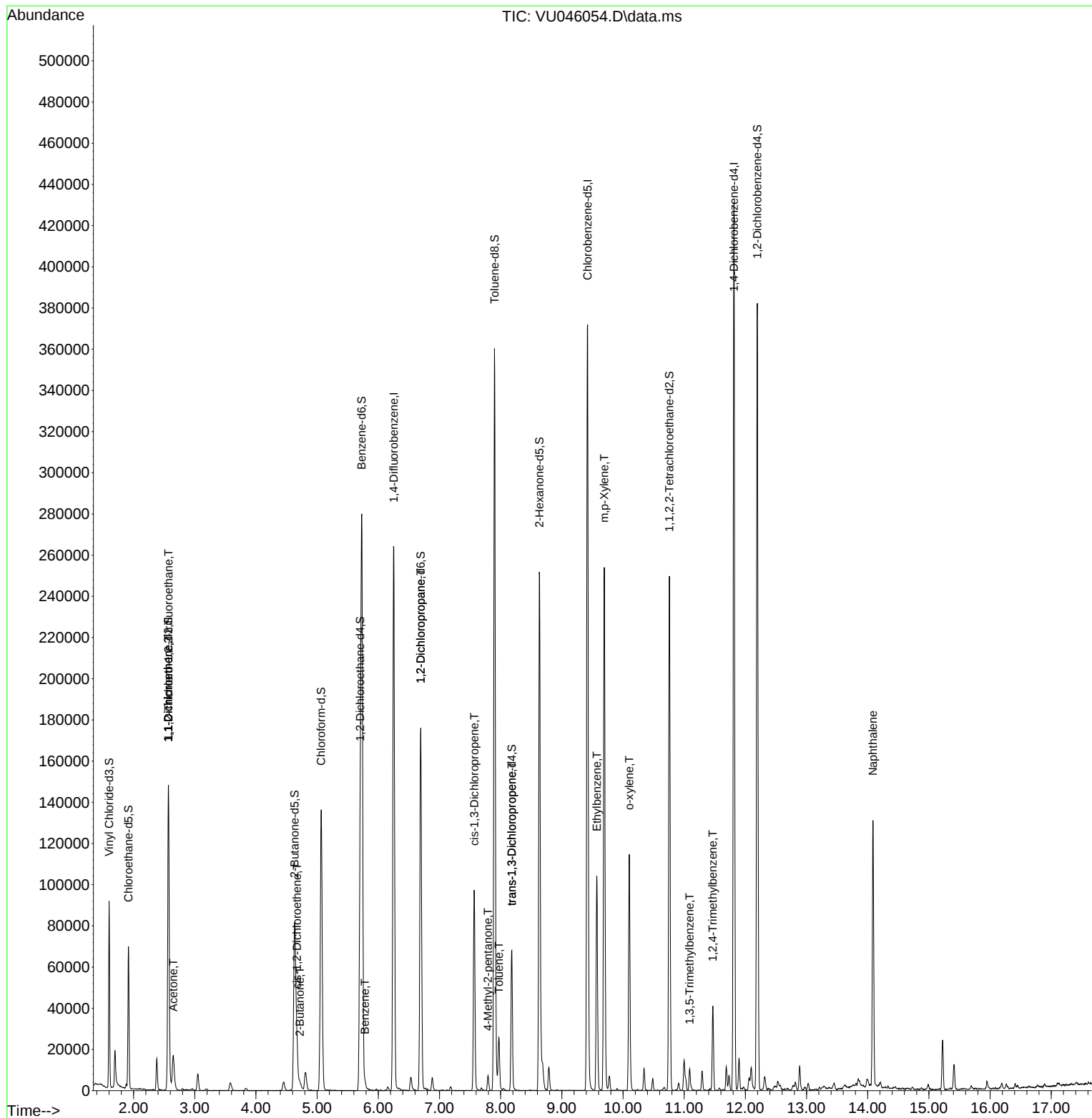
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

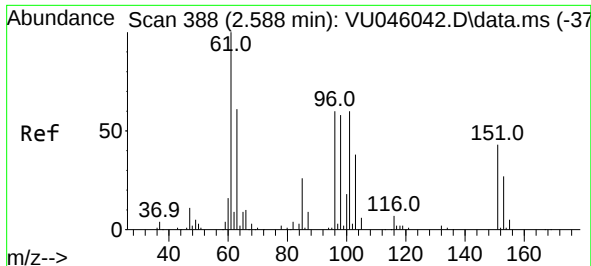
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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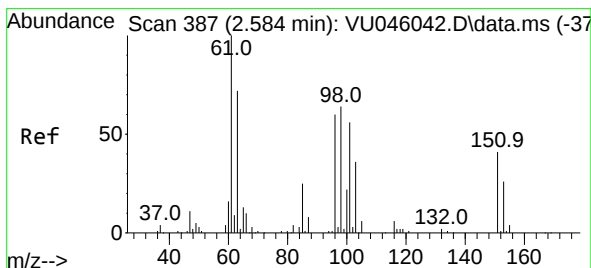
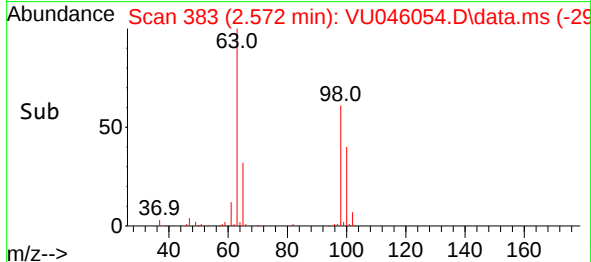
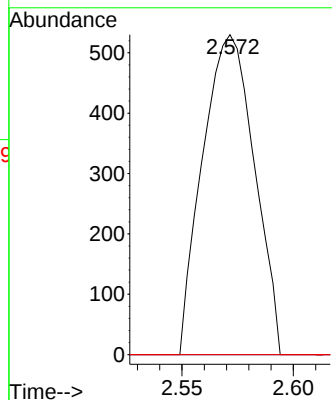
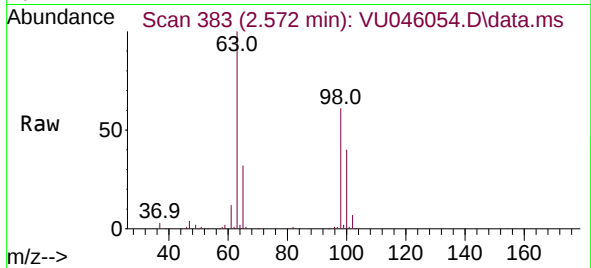




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.538 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU046054.D
Acq: 02 Dec 2021 15:57

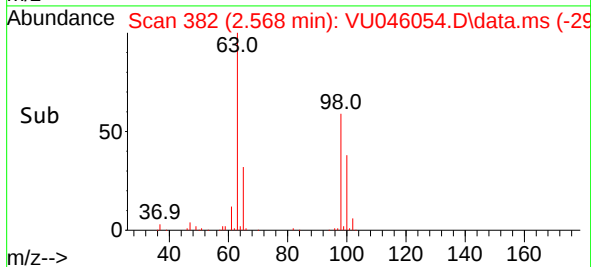
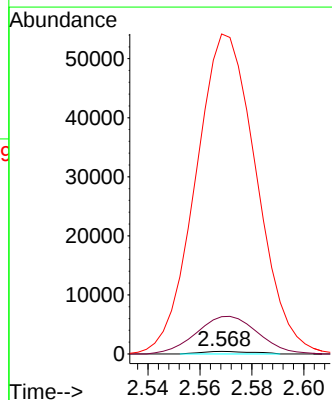
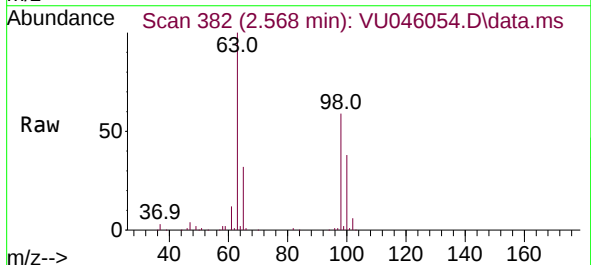
Instrument :
MSVOA_U
ClientSampleId :

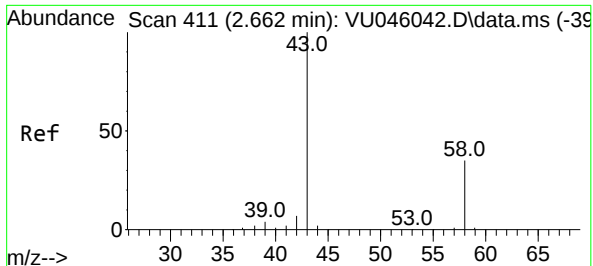
Tgt Ion:101 Resp: 857
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 0.399 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.016 min
Lab File: VU046054.D
Acq: 02 Dec 2021 15:57

Tgt Ion: 96 Resp: 604
Ion Ratio Lower Upper
96 100
61 1444.9 118.6 220.2#
63 12399.1 93.0 172.8#

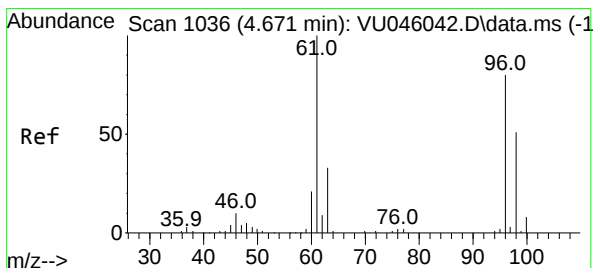
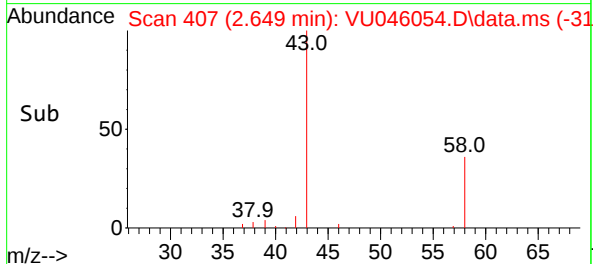
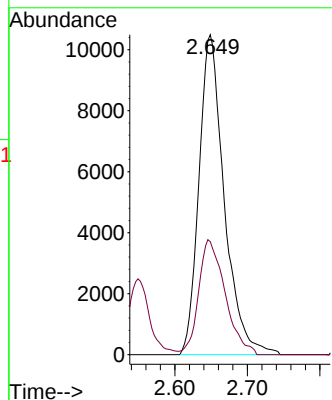
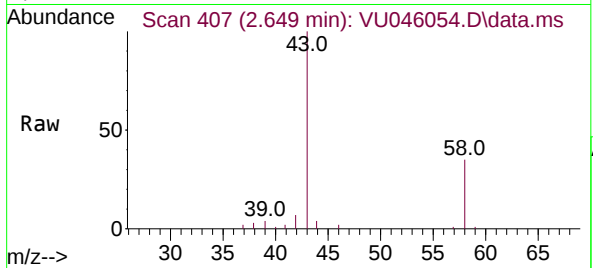




#13
Acetone
Concen: 14.175 ug/L
RT: 2.649 min Scan# 407
Delta R.T. -0.013 min
Lab File: VU046054.D
Acq: 02 Dec 2021 15:57

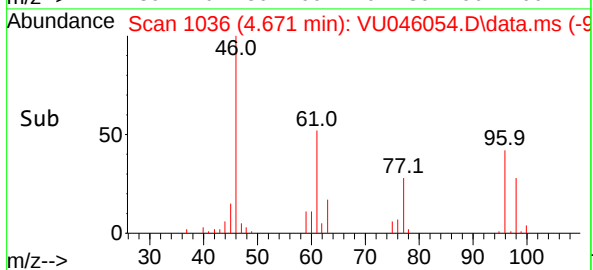
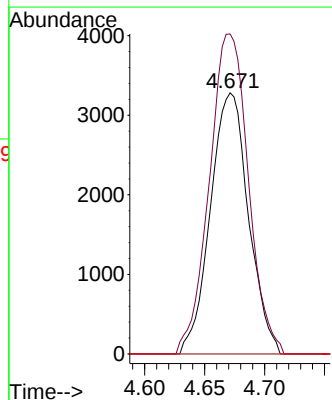
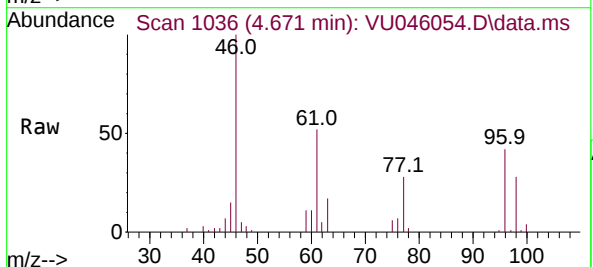
Instrument :
MSVOA_U
ClientSampleId :

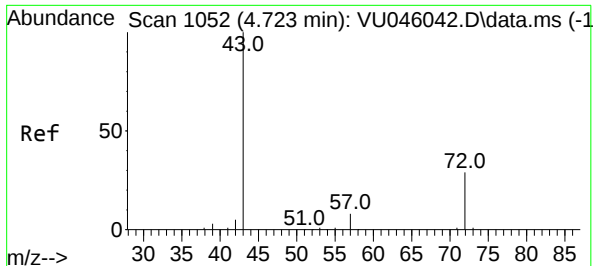
Tgt Ion: 43 Resp: 25419
Ion Ratio Lower Upper
43 100
58 37.7 0.0 66.8



#20
cis-1,2-Dichloroethene
Concen: 4.169 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU046054.D
Acq: 02 Dec 2021 15:57

Tgt Ion: 96 Resp: 7252
Ion Ratio Lower Upper
96 100
61 122.6 86.8 161.2
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 3.185 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. -0.006 min

Lab File: VU046054.D

Acq: 02 Dec 2021 15:57

Instrument :

MSVOA_U

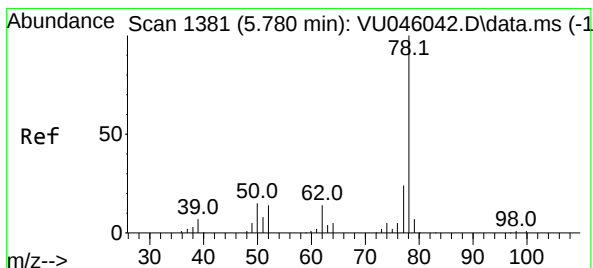
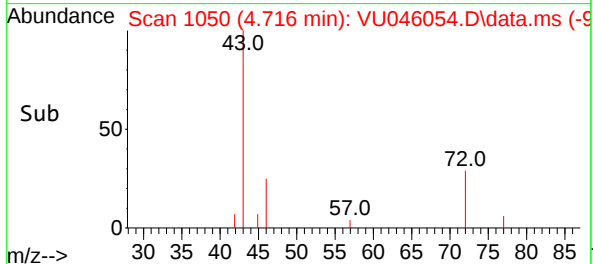
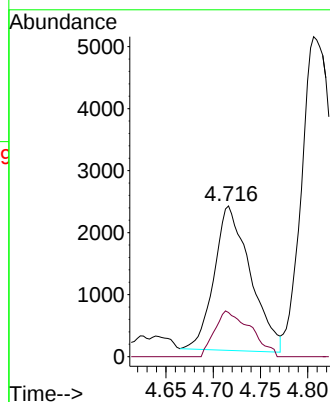
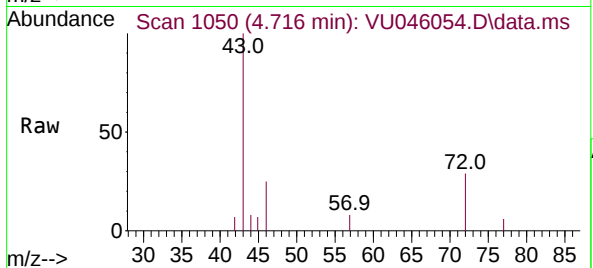
ClientSampleId :

Tgt Ion: 43 Resp: 6218

Ion Ratio Lower Upper

43 100

72 31.4 14.5 43.6



#33

Benzene

Concen: 0.659 ug/L

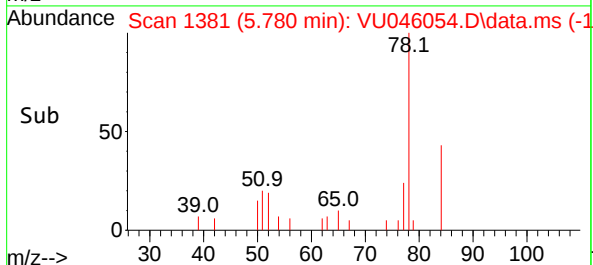
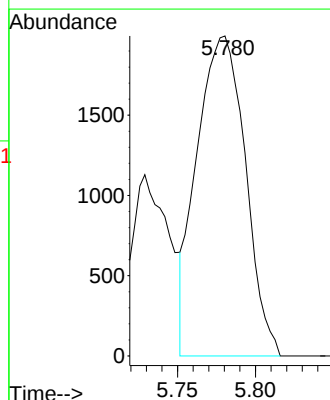
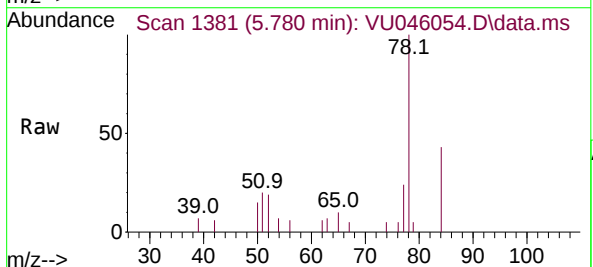
RT: 5.780 min Scan# 1381

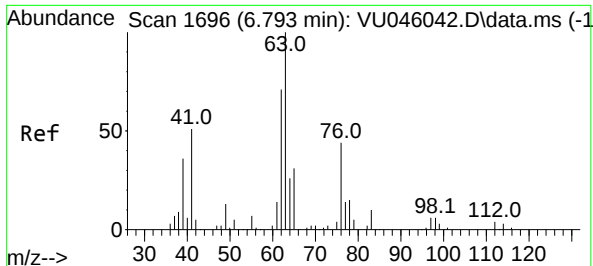
Delta R.T. 0.000 min

Lab File: VU046054.D

Acq: 02 Dec 2021 15:57

Tgt Ion: 78 Resp: 4306





#37

1,2-Dichloropropane

Concen: 5.340 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046054.D

Acq: 02 Dec 2021 15:57

Instrument :

MSVOA_U

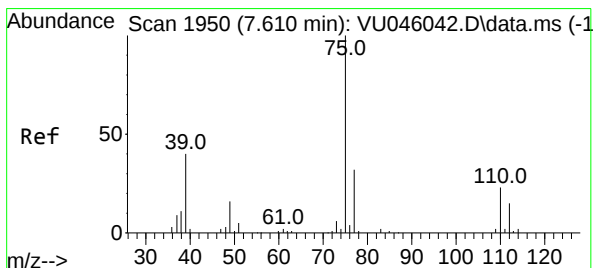
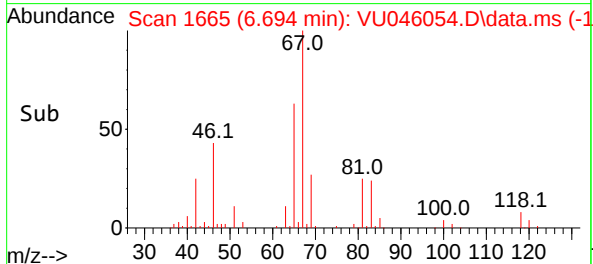
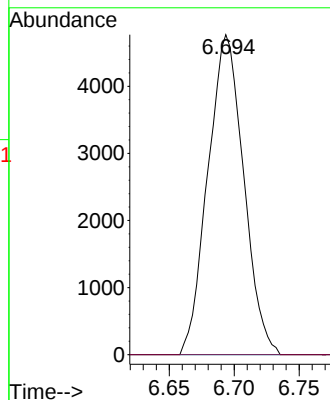
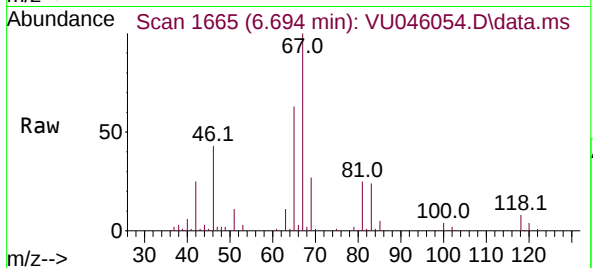
ClientSampleId :

Tgt Ion: 63 Resp: 9144

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.974 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046054.D

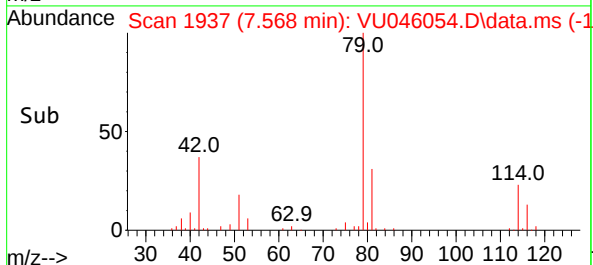
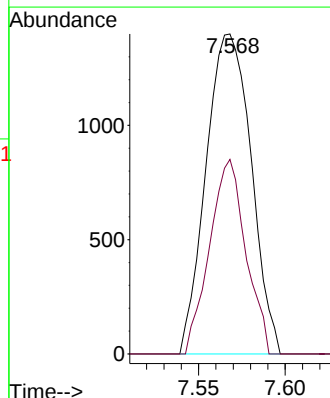
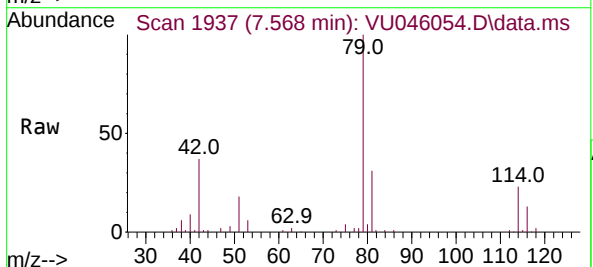
Acq: 02 Dec 2021 15:57

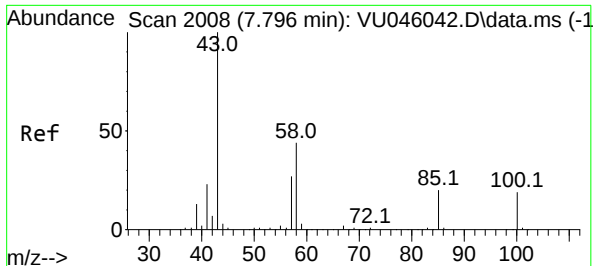
Tgt Ion: 75 Resp: 2537

Ion Ratio Lower Upper

75 100

77 60.8 21.8 40.6#





#40

4-Methyl-2-pentanone

Concen: 1.815 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046054.D

Acq: 02 Dec 2021 15:57

Instrument :

MSVOA_U

ClientSampleId :

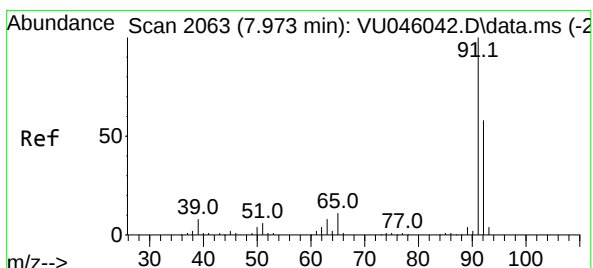
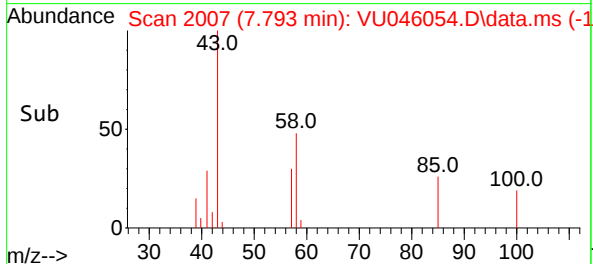
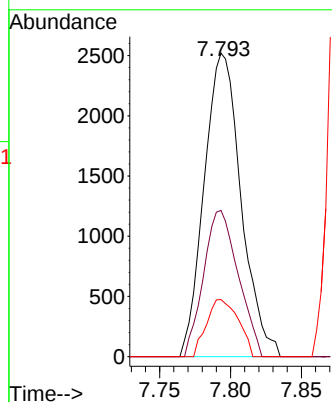
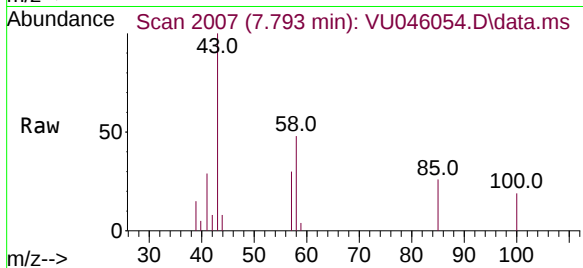
Tgt Ion: 43 Resp: 4567

Ion Ratio Lower Upper

43 100

58 45.1 34.2 51.4

100 16.2 14.5 21.7



#42

Toluene

Concen: 2.713 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU046054.D

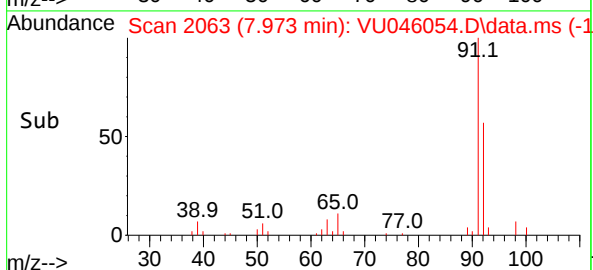
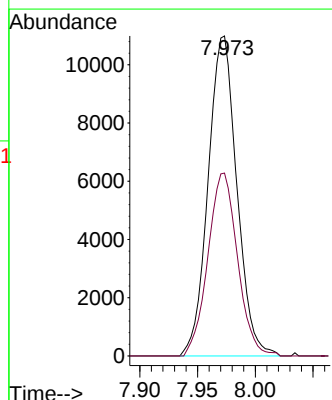
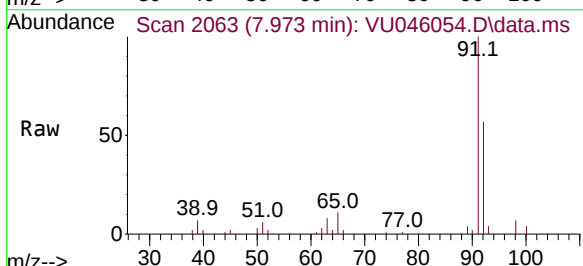
Acq: 02 Dec 2021 15:57

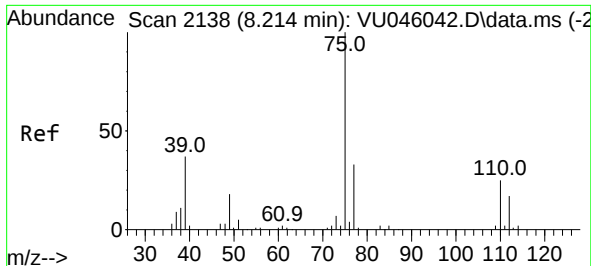
Tgt Ion: 91 Resp: 19027

Ion Ratio Lower Upper

91 100

92 57.1 41.9 77.7

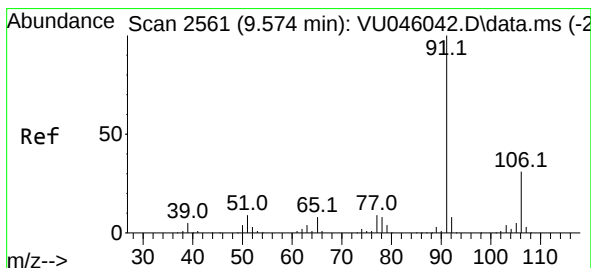
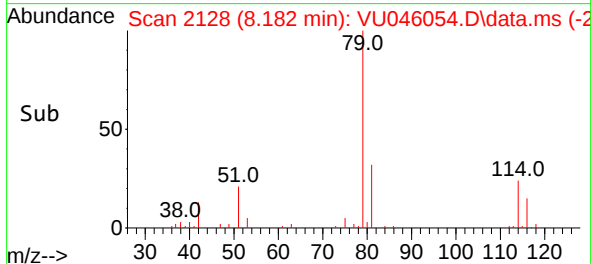
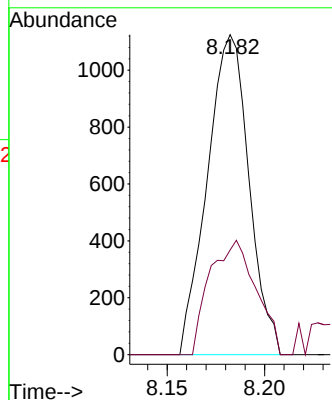
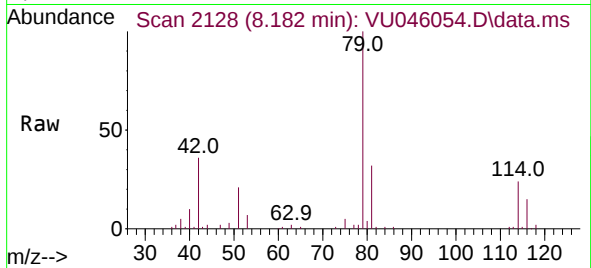




#44
trans-1,3-Dichloropropene
Concen: 0.655 ug/L
RT: 8.182 min Scan# 2138
Delta R.T. -0.032 min
Lab File: VU046054.D
Acq: 02 Dec 2021 15:57

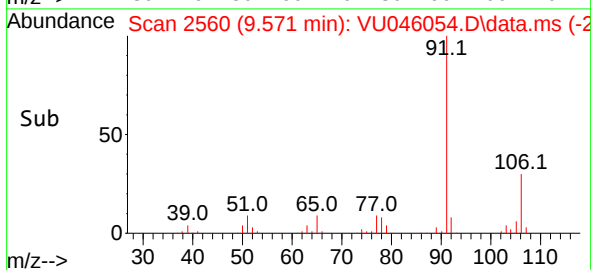
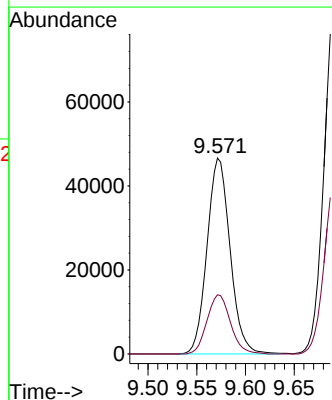
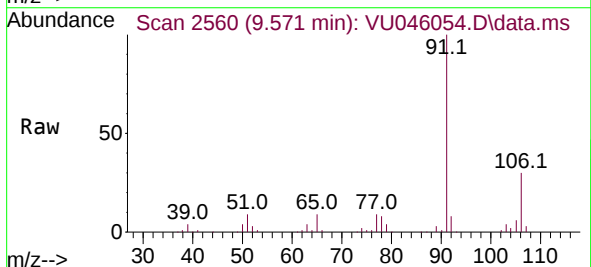
Instrument :
MSVOA_U
ClientSampleId :

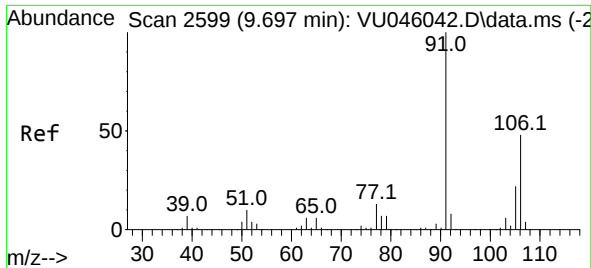
Tgt Ion: 75 Resp: 1677
Ion Ratio Lower Upper
75 100
77 32.7 21.7 40.3



#52
Ethylbenzene
Concen: 10.179 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU046054.D
Acq: 02 Dec 2021 15:57

Tgt Ion: 91 Resp: 76843
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.3

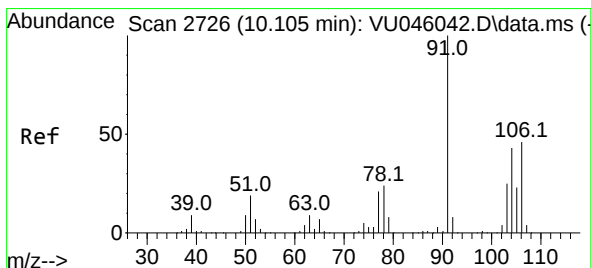
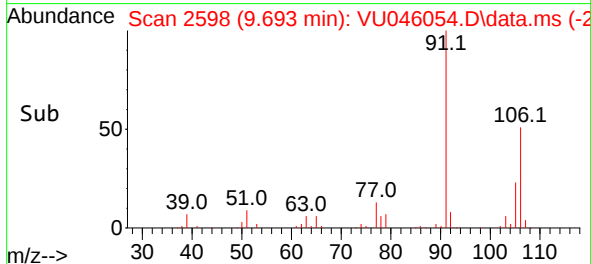
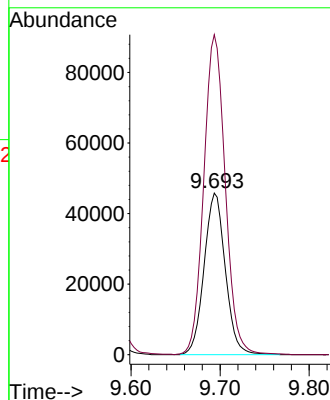
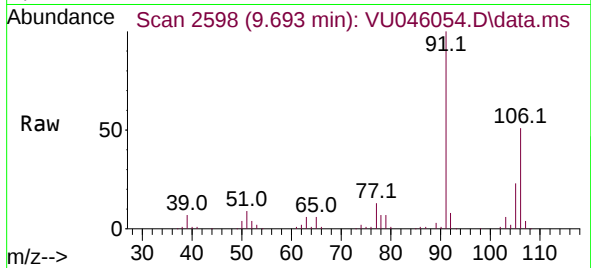




#53
m,p-Xylene
Concen: 25.746 ug/L
RT: 9.693 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046054.D
Acq: 02 Dec 2021 15:57

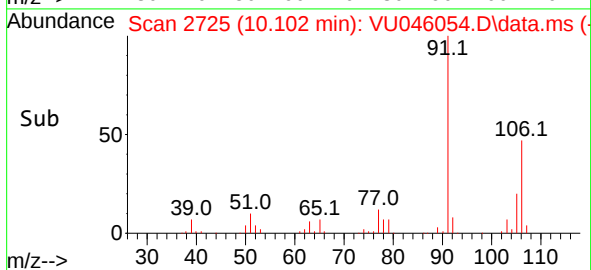
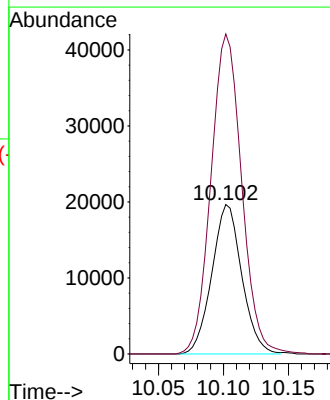
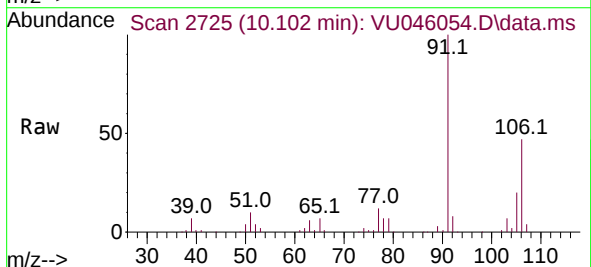
Instrument :
MSVOA_U
ClientSampleId :

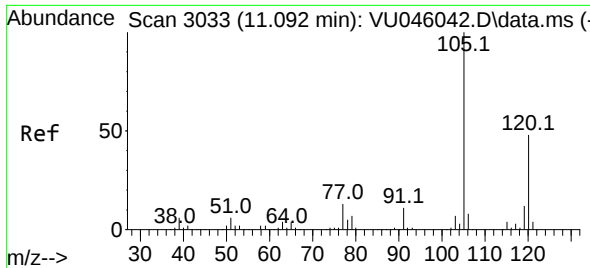
Tgt Ion:106 Resp: 75796
Ion Ratio Lower Upper
106 100
91 198.0 144.3 268.1



#54
o-xylene
Concen: 11.023 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU046054.D
Acq: 02 Dec 2021 15:57

Tgt Ion:106 Resp: 31490
Ion Ratio Lower Upper
106 100
91 214.2 154.2 286.4

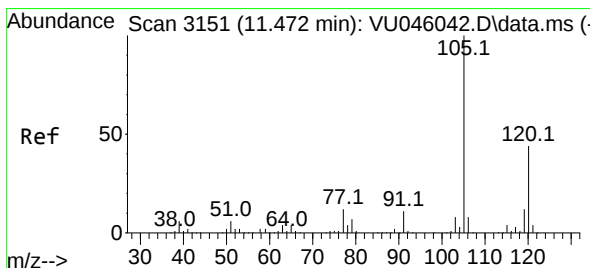
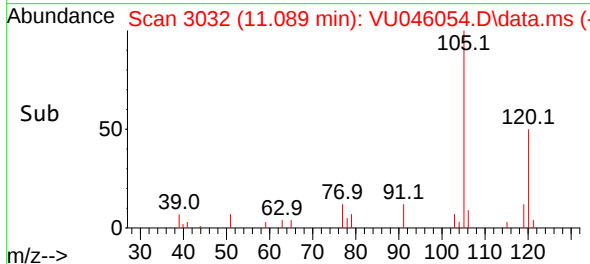
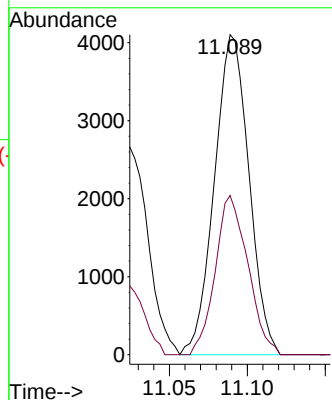
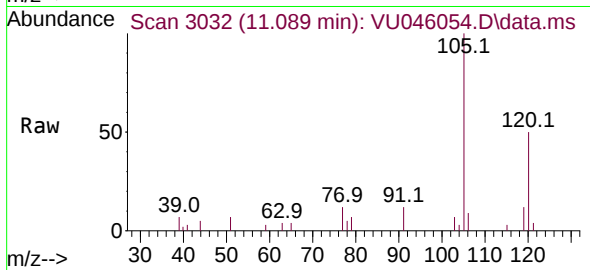




#62
 1,3,5-Trimethylbenzene
 Concen: 1.033 ug/L
 RT: 11.089 min Scan# 3033
 Delta R.T. -0.003 min
 Lab File: VU046054.D
 Acq: 02 Dec 2021 15:57

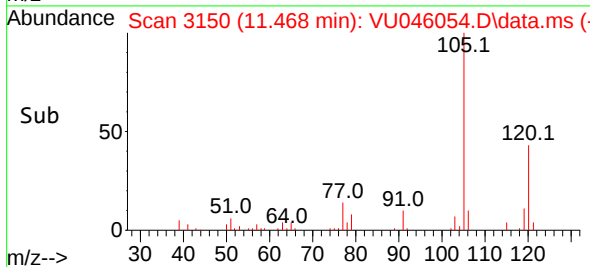
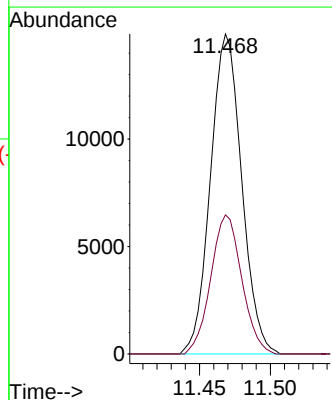
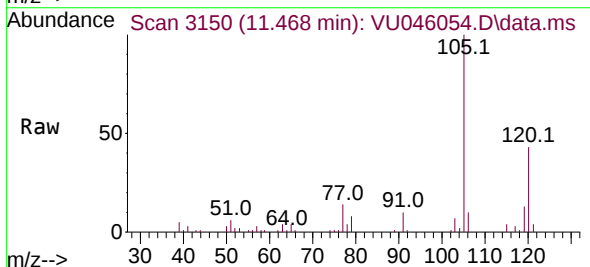
Instrument :
 MSVOA_U
 ClientSampleId :

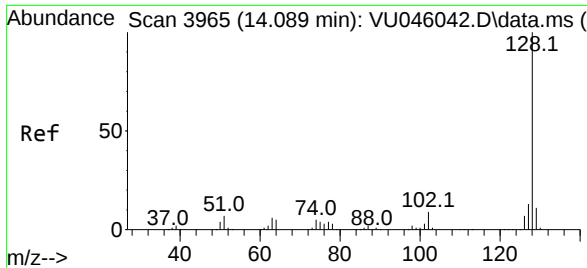
Tgt Ion:105 Resp: 6319
 Ion Ratio Lower Upper
 105 100
 120 47.0 37.8 56.6



#63
 1,2,4-Trimethylbenzene
 Concen: 3.723 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.003 min
 Lab File: VU046054.D
 Acq: 02 Dec 2021 15:57

Tgt Ion:105 Resp: 22792
 Ion Ratio Lower Upper
 105 100
 120 43.2 35.2 52.8





#71

Naphthalene

Concen: 12.852 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. -0.003 min

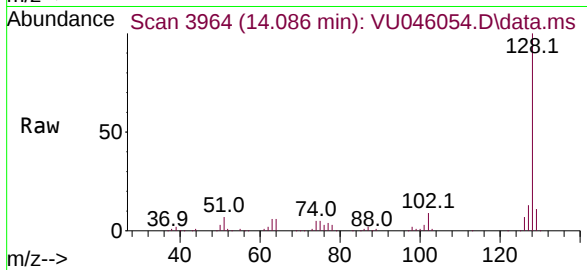
Lab File: VU046054.D

Acq: 02 Dec 2021 15:57

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:128 Resp: 100837

Ion Ratio Lower Upper

128 100

127 12.5 10.1 15.1

129 11.0 8.6 13.0

