

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
 Data File : VU046291.D
 Acq On : 11 Dec 2021 16:57
 Operator : SY/MD
 Sample : M4983-06DL 40XX
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 12 01:39:24 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	182964	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	186551	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	98120	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	52198	34.633	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.260%
7) Chloroethane-d5	1.916	69	44954	38.848	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.700%
11) 1,1-Dichloroethene-d2	2.572	63	76480	28.267	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.540%#
21) 2-Butanone-d5	4.639	46	126237	105.362	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.360%
24) Chloroform-d	5.067	84	109400	43.466	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.940%
26) 1,2-Dichloroethane-d4	5.706	65	79609	47.131	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.260%
32) Benzene-d6	5.732	84	226966	42.448	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.900%
36) 1,2-Dichloropropane-d6	6.694	67	76437	46.127	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.260%
41) Toluene-d8	7.899	98	195946	40.249	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.500%
43) trans-1,3-Dichloroprop...	8.182	79	35981	44.980	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.960%
47) 2-Hexanone-d5	8.636	63	89876	114.391	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.390%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	126634	50.391	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.780%
66) 1,2-Dichlorobenzene-d4	12.195	152	88804	46.996	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	8580	4.779	ug/L	83
8) Chloroethane	1.938	64	3890	3.742	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	591	0.444	ug/L #	21
12) 1,1-Dichloroethene	2.581	96	1735	1.371	ug/L #	1
19) 1,1-Dichloroethane	3.874	63	93556	38.433	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	106278	73.160	ug/L	99
25) Chloroform	5.092	83	12486	4.617	ug/L	93
30) 1,1,1-Trichloroethane	5.317	97	10052	4.390	ug/L	100
31) Carbon tetrachloride	5.324	117	1310	0.674	ug/L	99
37) 1,2-Dichloropropane	6.694	63	8031	5.430	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	2246	0.998	ug/L #	71
42) Toluene	7.973	91	16153	2.666	ug/L	95
52) Ethylbenzene	9.571	91	9725	1.492	ug/L	94
53) m,p-Xylene	9.693	106	9191	3.615	ug/L	93
54) o-xylene	10.102	106	5030	2.039	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	10634	1.998	ug/L	96
63) 1,2,4-Trimethylbenzene	11.468	105	49366	9.273	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046291.D
Acq On : 11 Dec 2021 16:57
Operator : SY/MD
Sample : M4983-06DL 40XX
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Dec 12 01:39:24 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

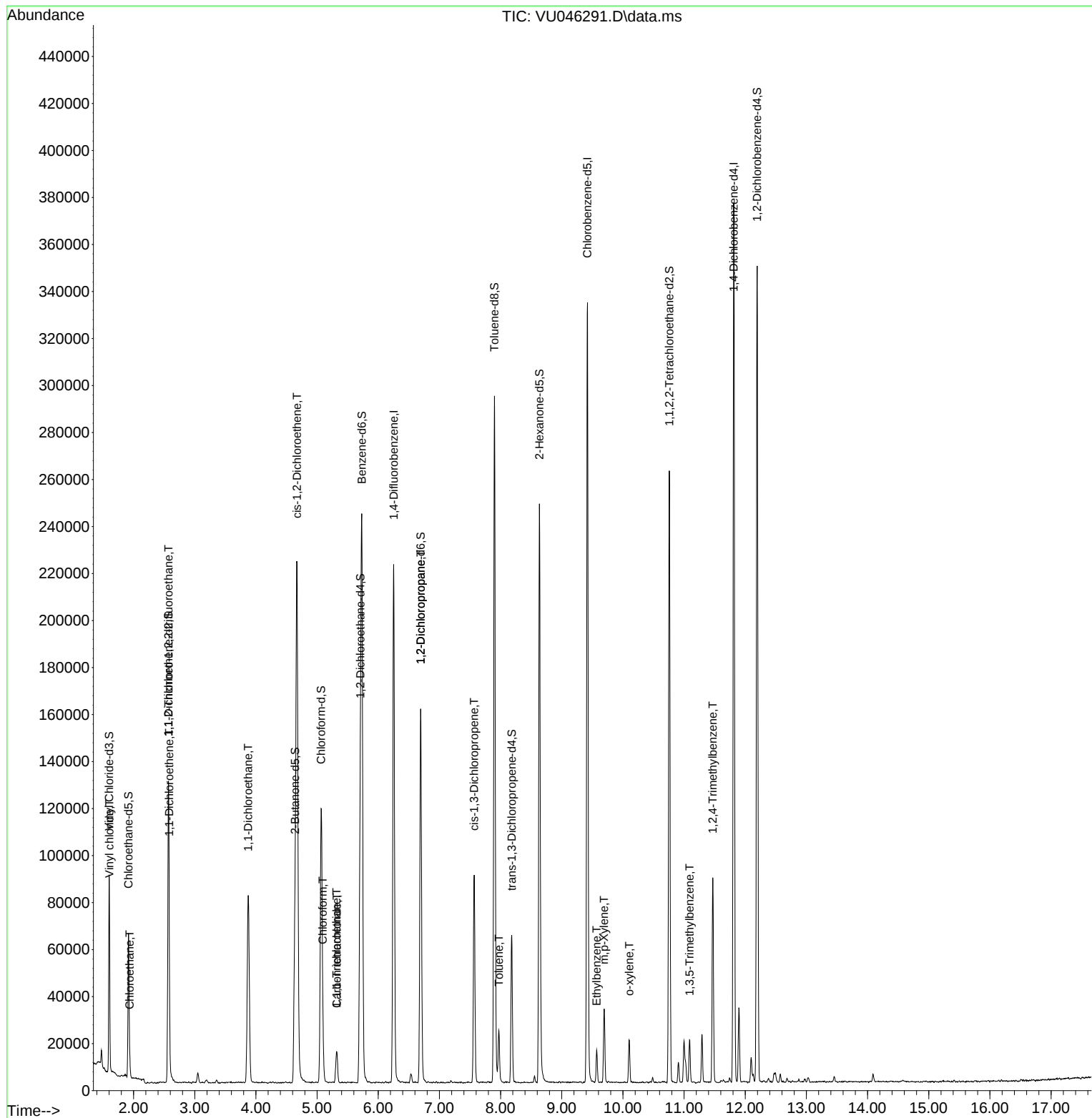
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

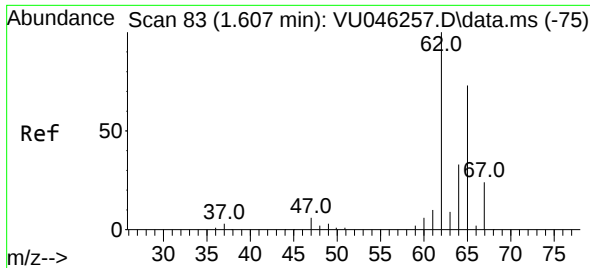
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046291.D
Acq On : 11 Dec 2021 16:57
Operator : SY/MD
Sample : M4983-06DL 40XX
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

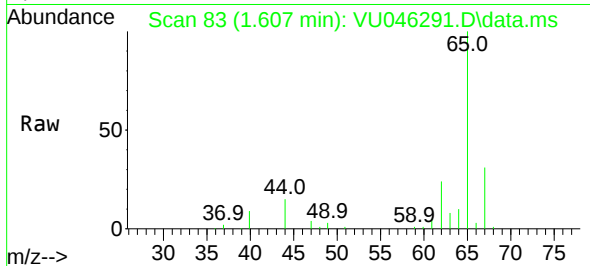
Quant Time: Dec 12 01:39:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration



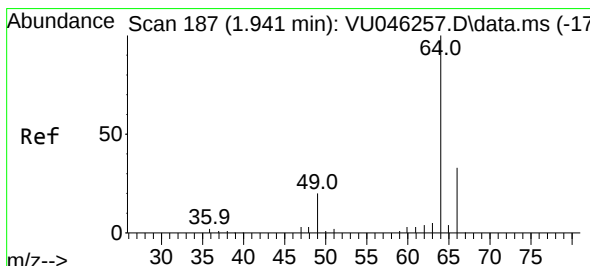
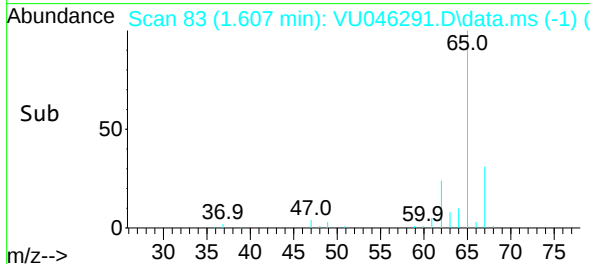
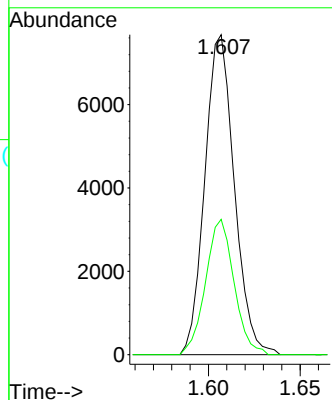


#5
 Vinyl chloride
 Concen: 4.779 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU046291.D
 Acq: 11 Dec 2021 16:57

Instrument :
 MSVOA_U
 ClientSampleId :

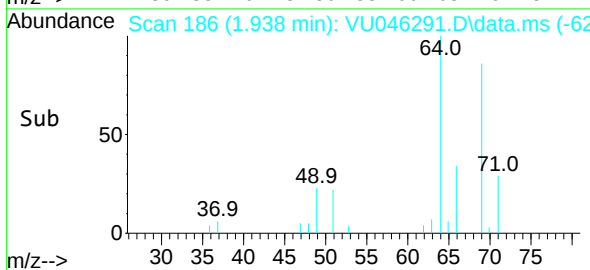
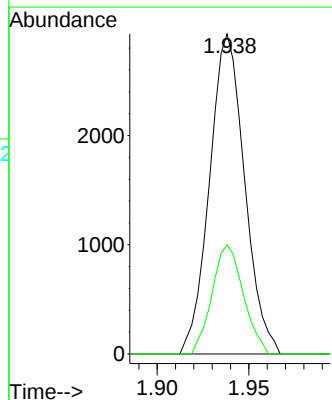
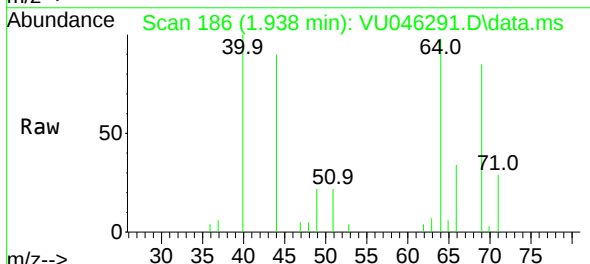


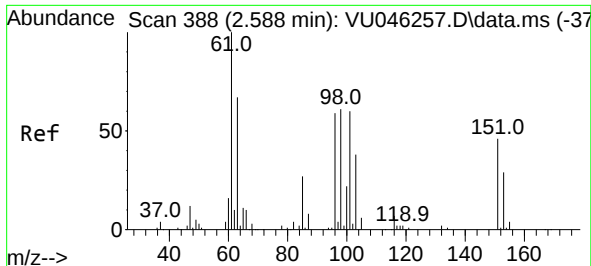
Tgt Ion: 62 Resp: 8580
 Ion Ratio Lower Upper
 62 100
 64 42.3 22.9 42.5



#8
 Chloroethane
 Concen: 3.742 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. 0.000 min
 Lab File: VU046291.D
 Acq: 11 Dec 2021 16:57

Tgt Ion: 64 Resp: 3890
 Ion Ratio Lower Upper
 64 100
 66 34.2 22.5 41.9

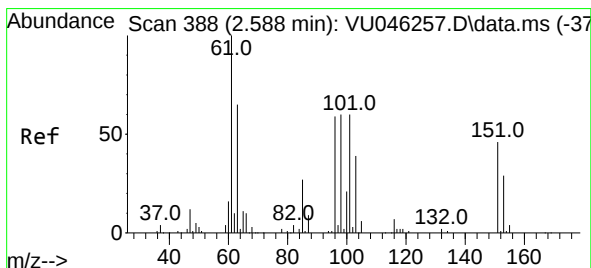
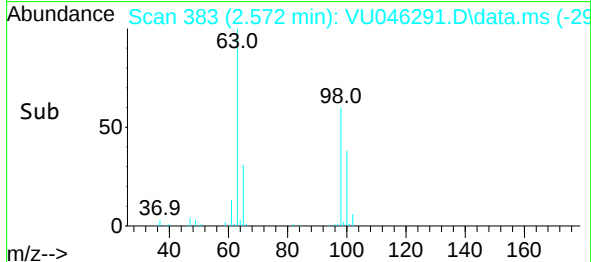
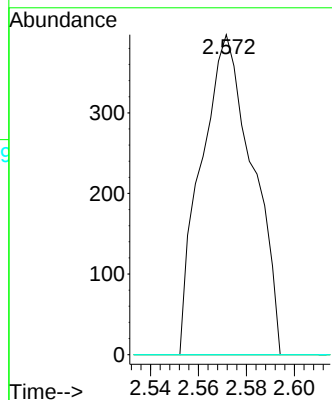
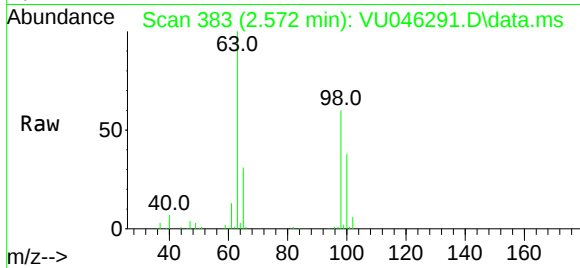




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.444 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU046291.D
Acq: 11 Dec 2021 16:57

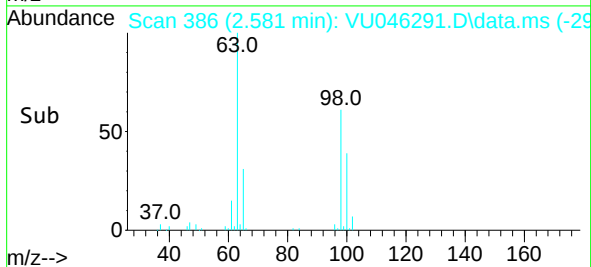
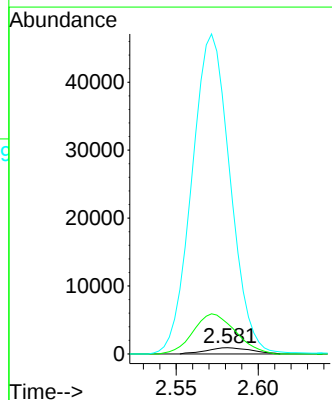
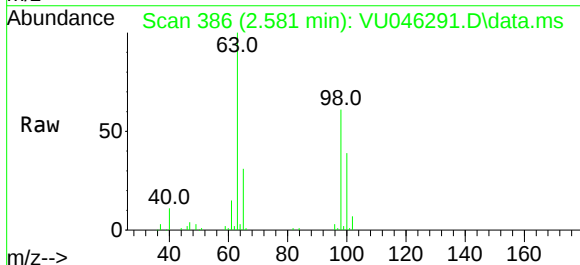
Instrument :
MSVOA_U
ClientSampleId :

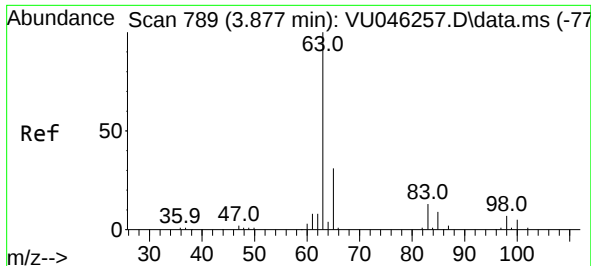
Tgt Ion:101 Resp: 591
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 1.371 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.003 min
Lab File: VU046291.D
Acq: 11 Dec 2021 16:57

Tgt Ion: 96 Resp: 1735
Ion Ratio Lower Upper
96 100
61 483.3 118.6 220.2#
63 3258.5 93.0 172.8#





#19

1,1-Dichloroethane

Concen: 38.433 ug/L

RT: 3.874 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU046291.D

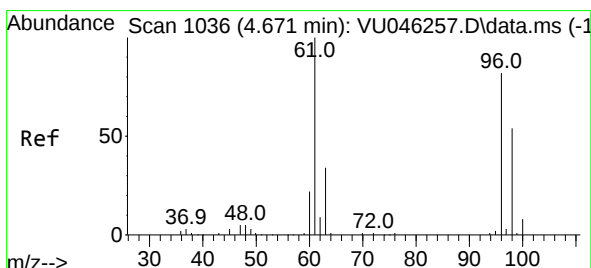
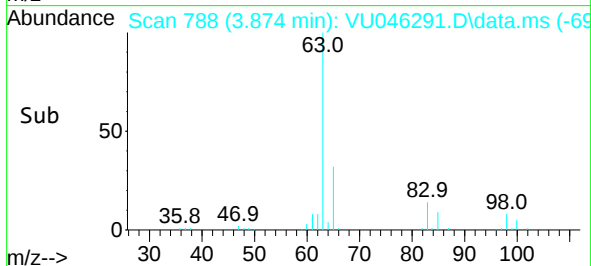
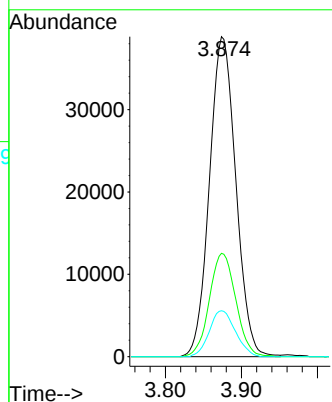
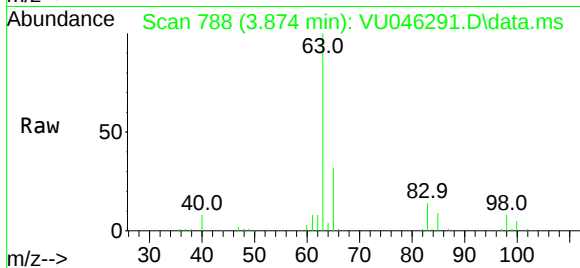
Acq: 11 Dec 2021 16:57

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 93556
Ion Ratio	Lower Upper
63 100	
65 32.3	22.8 42.4
83 14.3	9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 73.160 ug/L

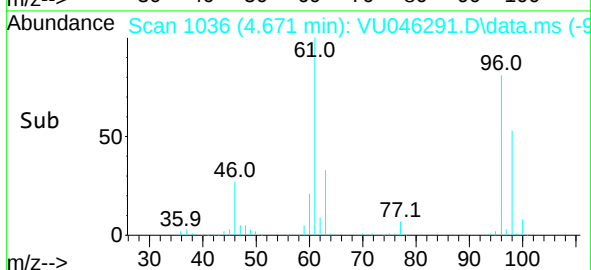
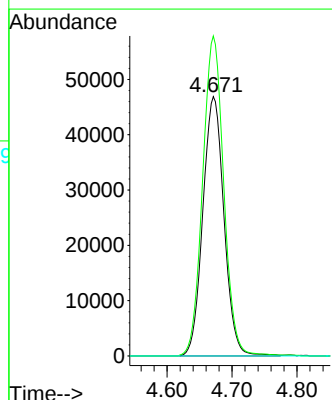
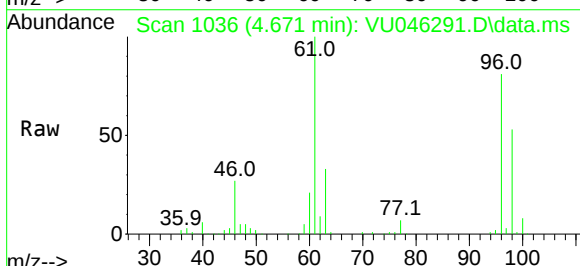
RT: 4.671 min Scan# 1036

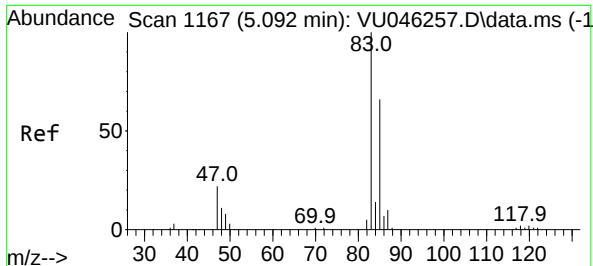
Delta R.T. -0.000 min

Lab File: VU046291.D

Acq: 11 Dec 2021 16:57

Tgt Ion: 96	Resp: 106278
Ion Ratio	Lower Upper
96 100	
61 123.4	86.8 161.2
68 0.0	0.0 0.0





#25

Chloroform

Concen: 4.617 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU046291.D

Acq: 11 Dec 2021 16:57

Instrument :

MSVOA_U

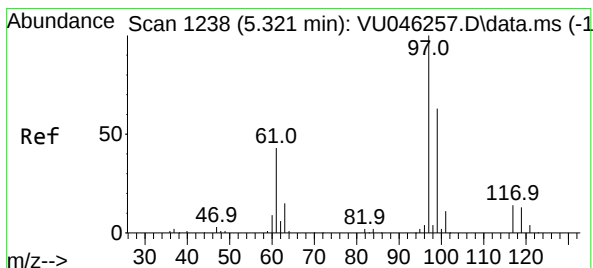
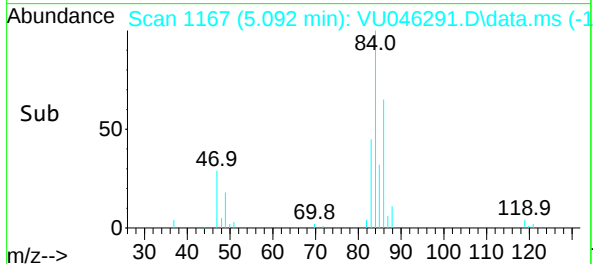
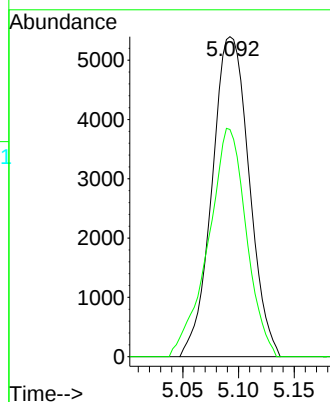
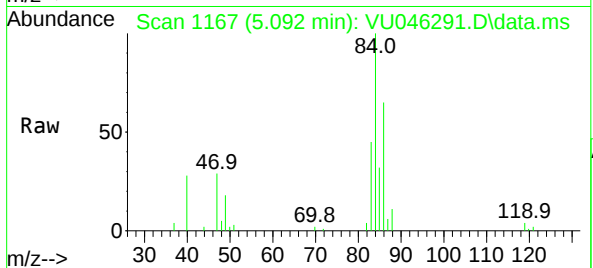
ClientSampleId :

Tgt Ion: 83 Resp: 12486

Ion Ratio Lower Upper

83 100

85 71.0 45.8 85.2



#30

1,1,1-Trichloroethane

Concen: 4.390 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.003 min

Lab File: VU046291.D

Acq: 11 Dec 2021 16:57

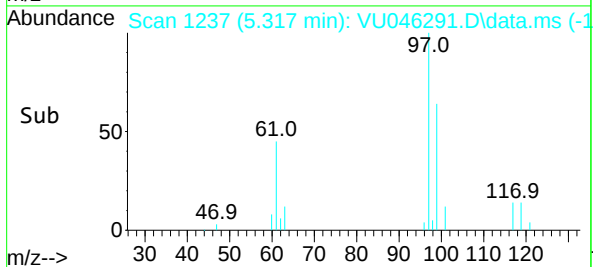
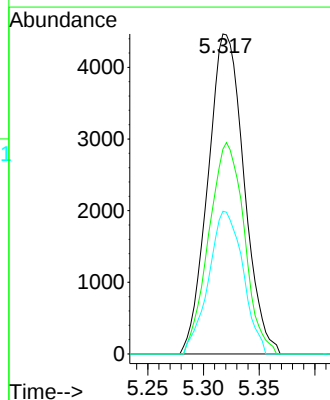
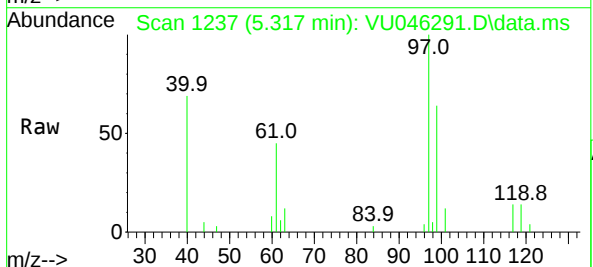
Tgt Ion: 97 Resp: 10052

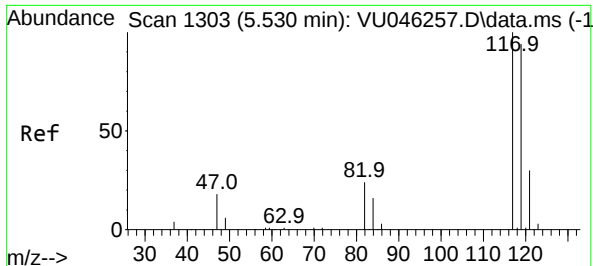
Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

61 42.5 34.4 51.6

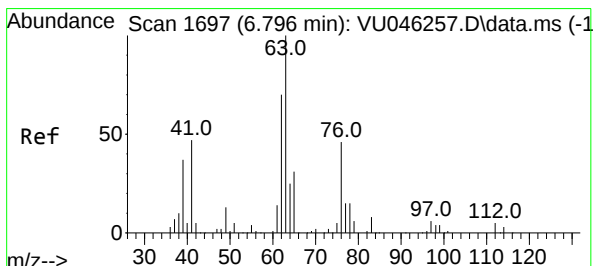
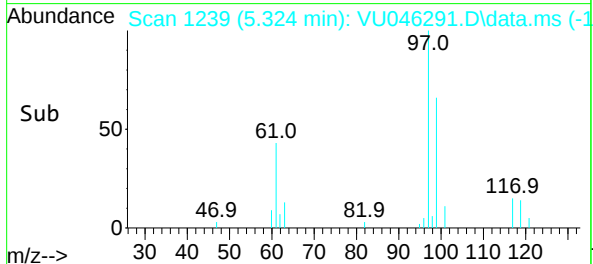
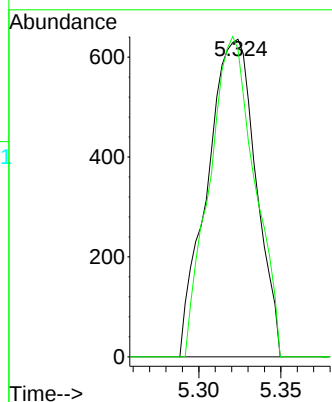
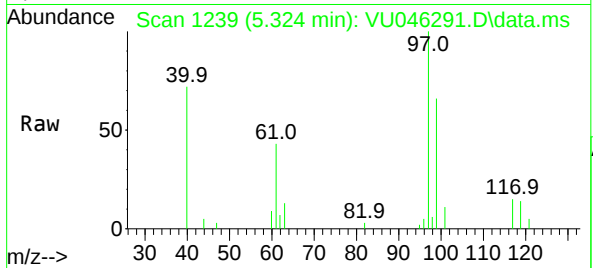




#31
Carbon tetrachloride
Concen: 0.674 ug/L
RT: 5.324 min Scan# 117
Delta R.T. -0.206 min
Lab File: VU046291.D
Acq: 11 Dec 2021 16:57

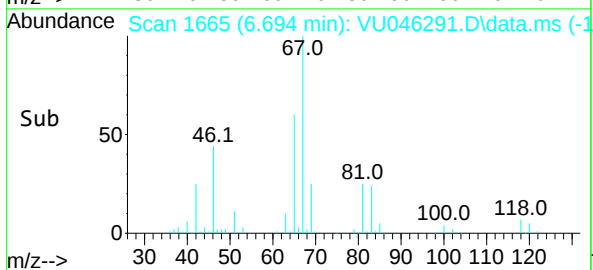
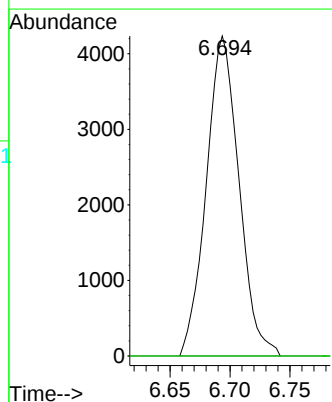
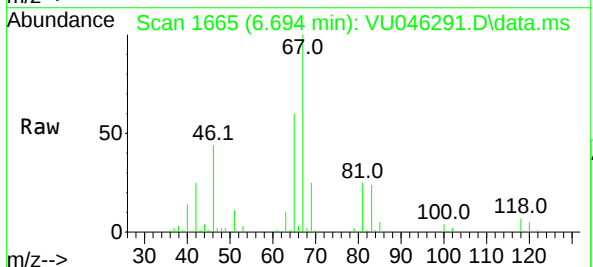
Instrument :
MSVOA_U
ClientSampleId :

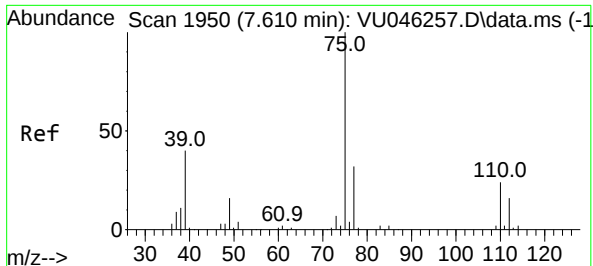
Tgt Ion:117 Resp: 1310
Ion Ratio Lower Upper
117 100
119 93.7 75.7 113.5



#37
1,2-Dichloropropane
Concen: 5.430 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU046291.D
Acq: 11 Dec 2021 16:57

Tgt Ion: 63 Resp: 8031
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.998 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046291.D

Acq: 11 Dec 2021 16:57

Instrument :

MSVOA_U

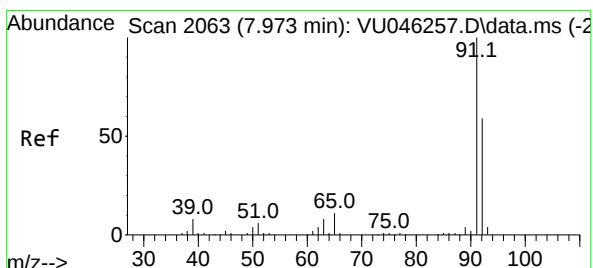
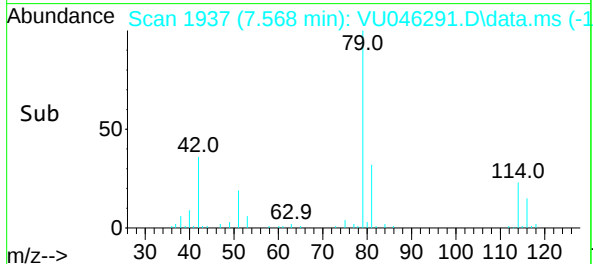
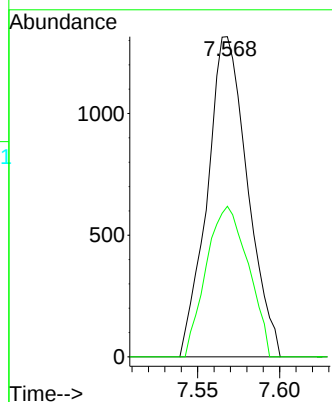
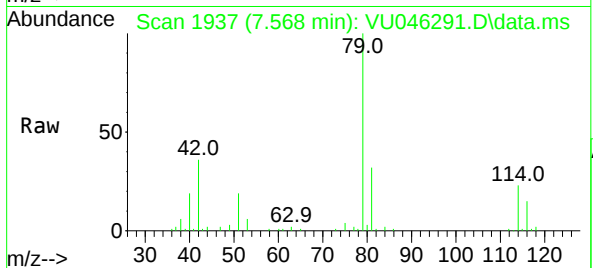
ClientSampleId :

Tgt Ion: 75 Resp: 2246

Ion Ratio Lower Upper

75 100

77 47.0 21.8 40.6#



#42

Toluene

Concen: 2.666 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU046291.D

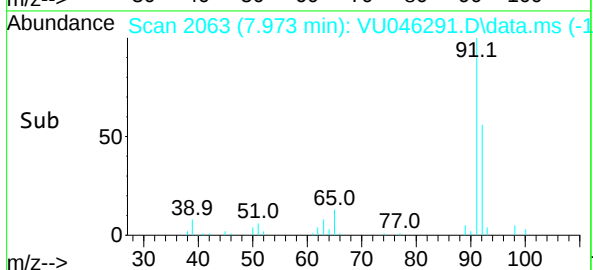
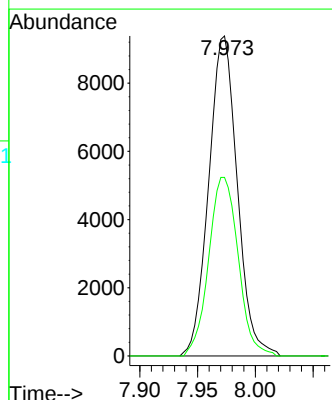
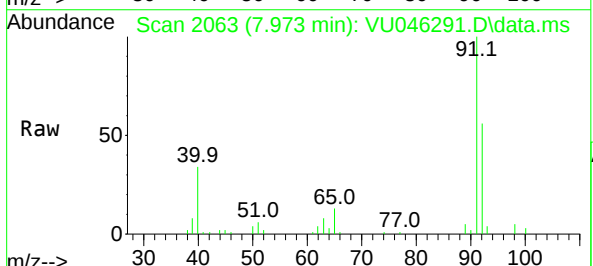
Acq: 11 Dec 2021 16:57

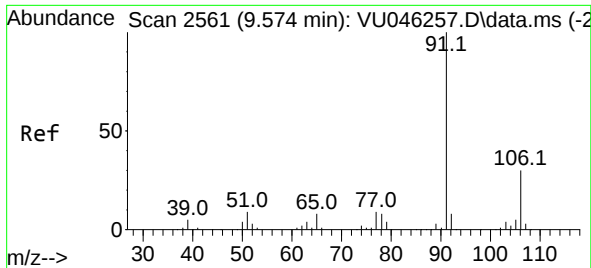
Tgt Ion: 91 Resp: 16153

Ion Ratio Lower Upper

91 100

92 55.8 41.9 77.7

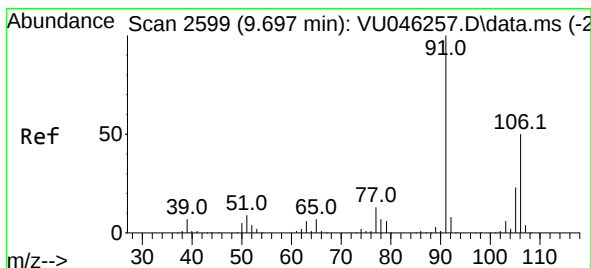
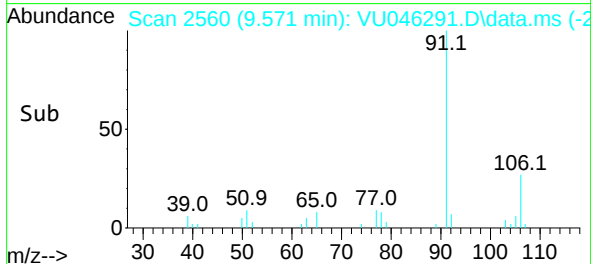
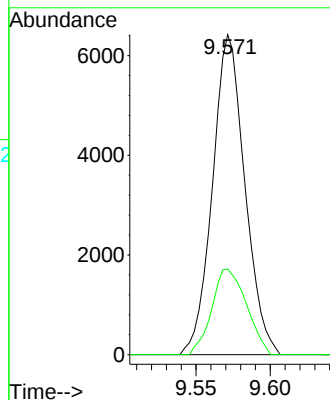
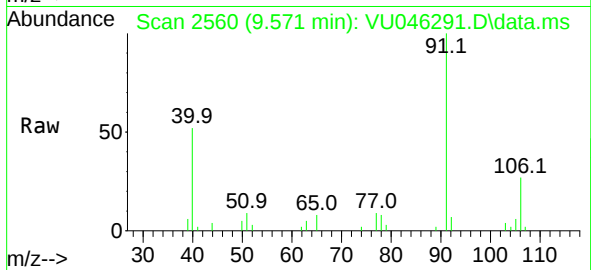




#52
Ethylbenzene
Concen: 1.492 ug/L
RT: 9.571 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046291.D
Acq: 11 Dec 2021 16:57

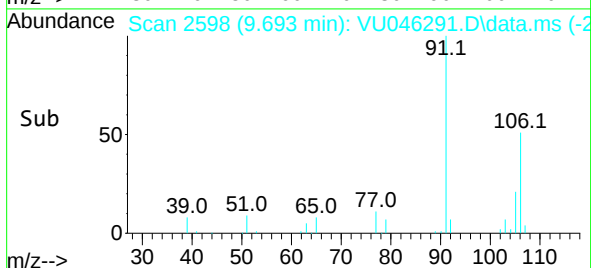
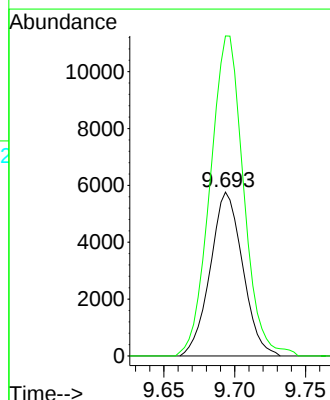
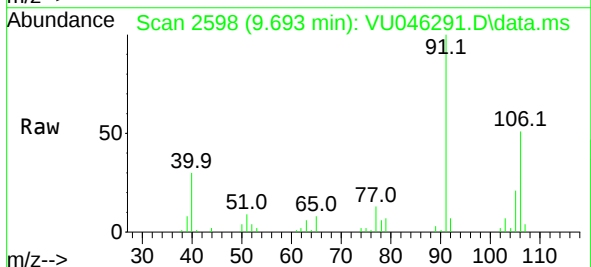
Instrument :
MSVOA_U
ClientSampleId :

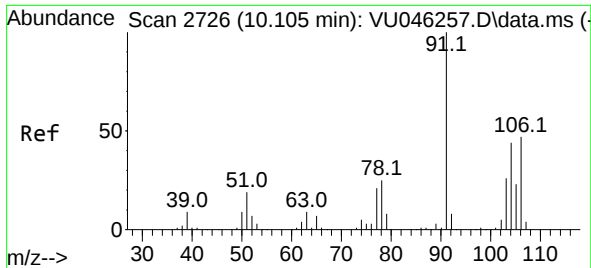
Tgt Ion: 91 Resp: 9725
Ion Ratio Lower Upper
91 100
106 26.7 21.1 39.3



#53
m,p-Xylene
Concen: 3.615 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046291.D
Acq: 11 Dec 2021 16:57

Tgt Ion:106 Resp: 9191
Ion Ratio Lower Upper
106 100
91 195.4 144.3 268.1

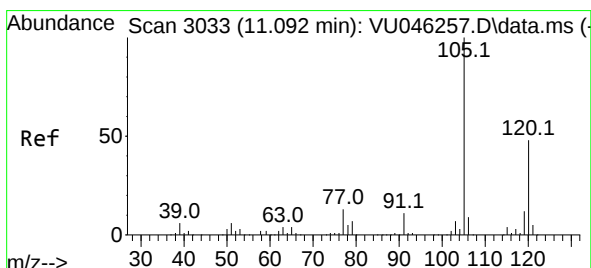
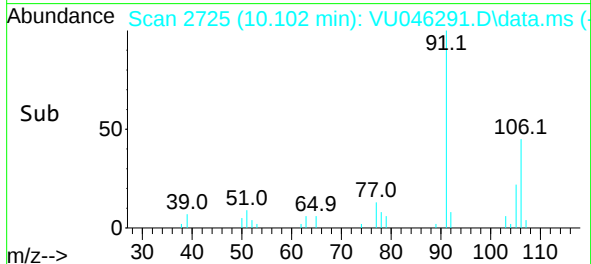
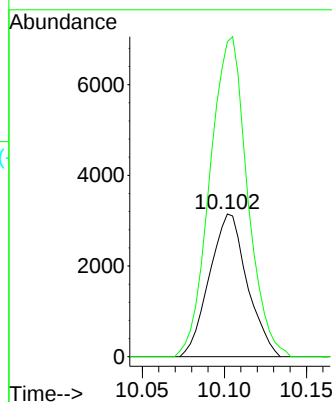
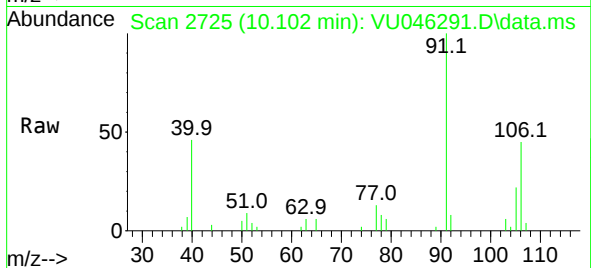




#54
o-xylene
Concen: 2.039 ug/L
RT: 10.102 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046291.D
Acq: 11 Dec 2021 16:57

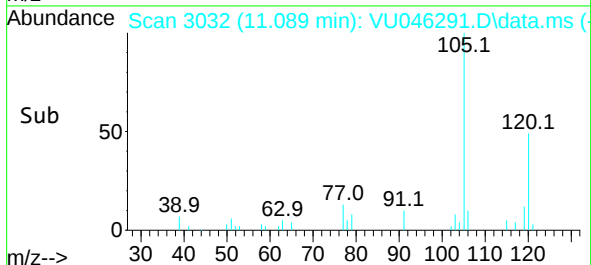
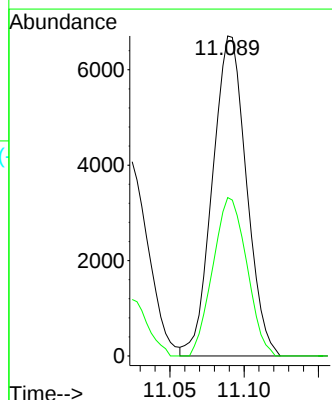
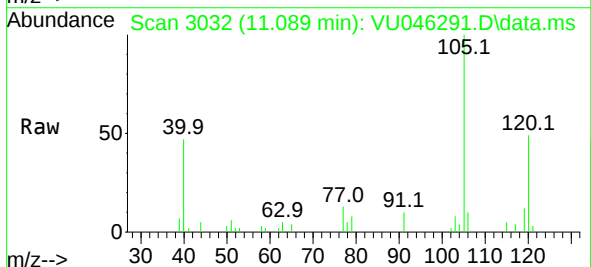
Instrument :
MSVOA_U
ClientSampleId :

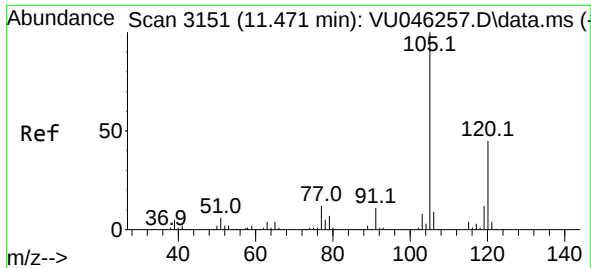
Tgt Ion:106 Resp: 5030
Ion Ratio Lower Upper
106 100
91 220.7 154.2 286.4



#62
1,3,5-Trimethylbenzene
Concen: 1.998 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU046291.D
Acq: 11 Dec 2021 16:57

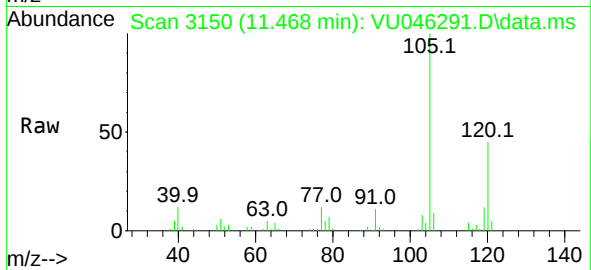
Tgt Ion:105 Resp: 10634
Ion Ratio Lower Upper
105 100
120 49.6 37.8 56.6





#63
 1,2,4-Trimethylbenzene
 Concen: 9.273 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.003 min
 Lab File: VU046291.D
 Acq: 11 Dec 2021 16:57

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:105 Resp: 49366
 Ion Ratio Lower Upper
 105 100
 120 45.5 35.2 52.8

