

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
 Data File : VU050864.D
 Acq On : 21 Sep 2022 04:35
 Operator : JC/MD
 Sample : N4650-12 50X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

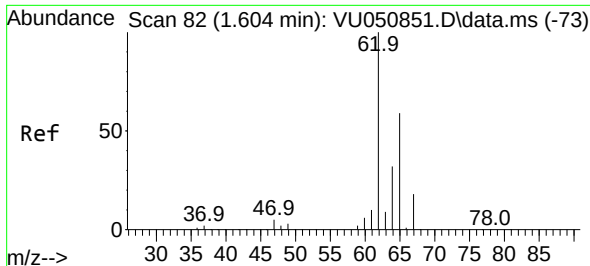
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ07

Quant Time: Sep 21 06:49:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 04:30:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	431346	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	410759	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	164373	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	191286	42.803	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.600%
7) Chloroethane-d5	1.909	69	158544	49.813	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.620%
11) 1,1-Dichloroethene-d2	2.565	63	235013	33.796	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.600%
21) 2-Butanone-d5	4.626	46	333901	115.729	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.730%
24) Chloroform-d	5.063	84	329944	47.111	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.220%
26) 1,2-Dichloroethane-d4	5.700	65	216372	50.131	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.260%
32) Benzene-d6	5.726	84	670006	49.521	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.040%
36) 1,2-Dichloropropane-d6	6.690	67	226937	49.692	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.380%
41) Toluene-d8	7.896	98	533820	45.138	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.280%
43) trans-1,3-Dichloroprop...	8.179	79	86935	43.758	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.520%
47) 2-Hexanone-d5	8.632	63	195407	103.830	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.830%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	341355	49.027	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.060%
66) 1,2-Dichlorobenzene-d4	12.192	152	183330	53.269	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.540%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	15114	2.973	ug/L #	76
12) 1,1-Dichloroethene	2.578	96	9077	2.737	ug/L #	1
16) Methylene chloride	3.044	84	5524	1.200	ug/L	92
17) trans-1,2-Dichloroethene	3.359	96	3127	0.920	ug/L	93
19) 1,1-Dichloroethane	3.871	63	302565	44.056	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	676431	179.493	ug/L	100
27) 1,2-Dichloroethane	5.800	62	3720	0.715	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	254071	46.493	ug/L	100
42) Toluene	7.970	91	45350	3.022	ug/L	96
52) Ethylbenzene	9.571	91	16211	1.083	ug/L	86
53) m,p-Xylene	9.690	106	13751	2.471	ug/L	87
54) o-Xylene	10.099	106	9689	1.747	ug/L	81
62) 1,3,5-Trimethylbenzene	11.086	105	11733	1.215	ug/L	96
63) 1,2,4-Trimethylbenzene	11.465	105	51842	5.421	ug/L	98

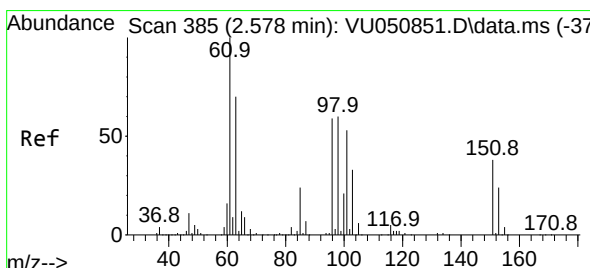
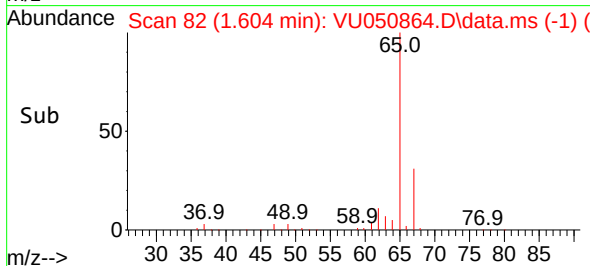
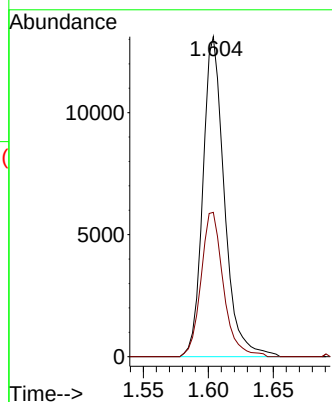
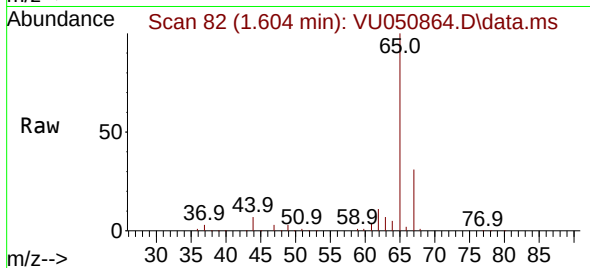
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 2.973 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050864.D
 Acq: 21 Sep 2022 04:35

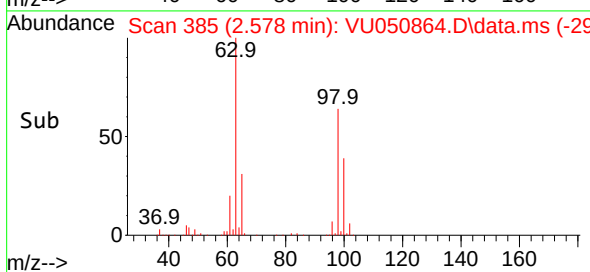
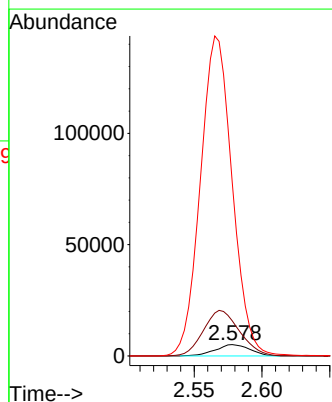
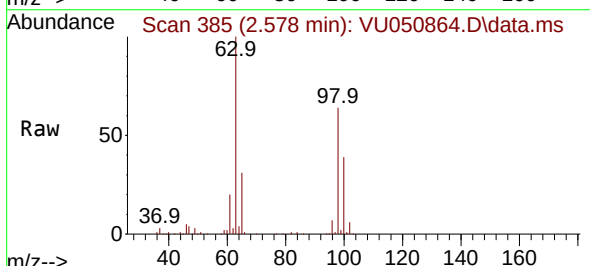
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ07

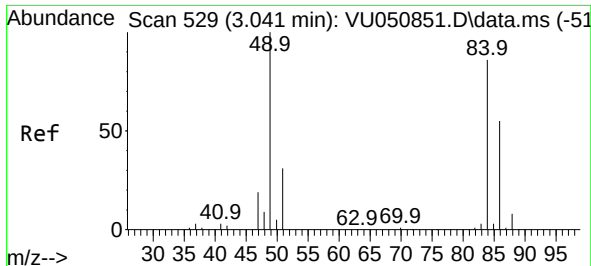
Tgt Ion: 62 Resp: 15114
 Ion Ratio Lower Upper
 62 100
 64 45.1 22.2 41.2#



#12
 1,1-Dichloroethene
 Concen: 2.737 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU050864.D
 Acq: 21 Sep 2022 04:35

Tgt Ion: 96 Resp: 9077
 Ion Ratio Lower Upper
 96 100
 61 308.4 118.6 220.2#
 63 1525.4 90.4 168.0#

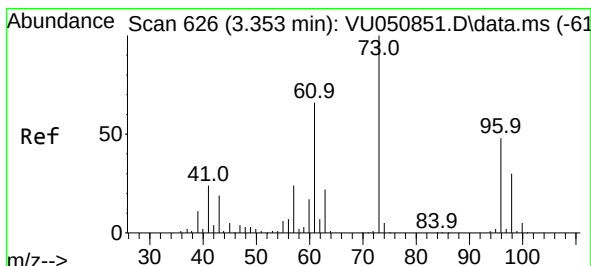
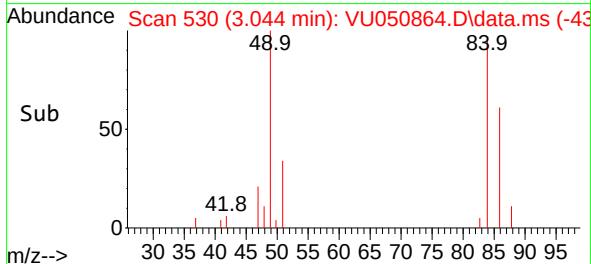
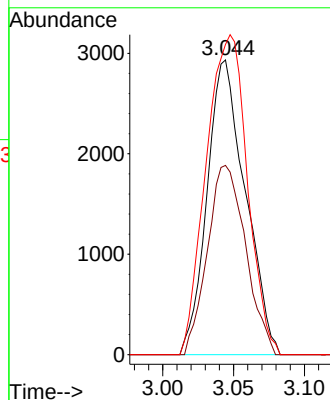
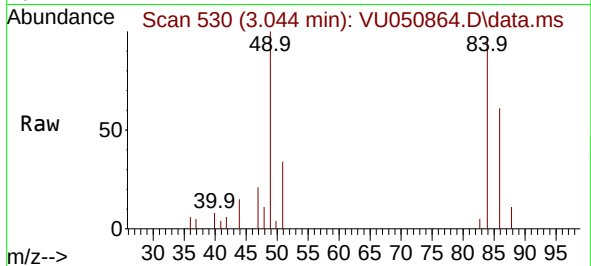




#16
Methylene chloride
Concen: 1.200 ug/L
RT: 3.044 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU050864.D
Acq: 21 Sep 2022 04:35

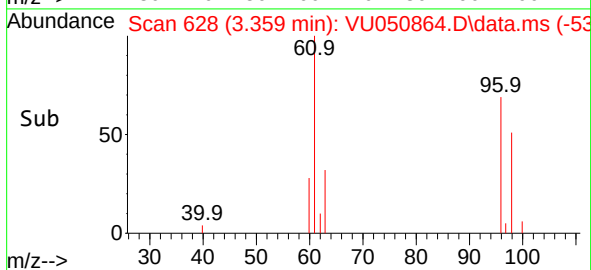
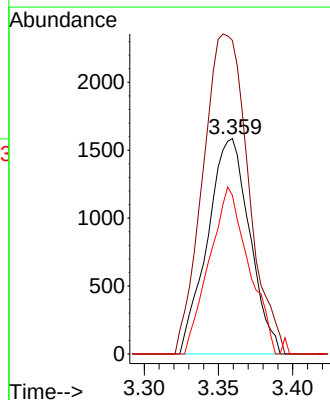
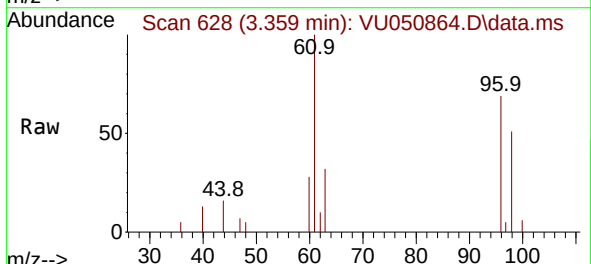
Instrument :
MSVOA_U
ClientSampleId :
EXZ07

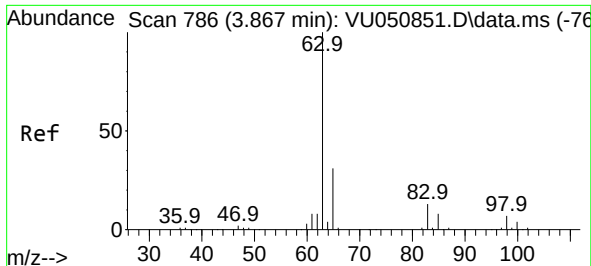
Tgt Ion: 84 Resp: 5524
Ion Ratio Lower Upper
84 100
86 64.2 44.4 82.5
49 105.2 83.3 154.7



#17
trans-1,2-Dichloroethene
Concen: 0.920 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.006 min
Lab File: VU050864.D
Acq: 21 Sep 2022 04:35

Tgt Ion: 96 Resp: 3127
Ion Ratio Lower Upper
96 100
61 145.7 98.0 182.0
98 73.7 44.3 82.3





#19

1,1-Dichloroethane

Concen: 44.056 ug/L

RT: 3.871 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU050864.D

Acq: 21 Sep 2022 04:35

Instrument :

MSVOA_U

ClientSampleId :

EXZ07

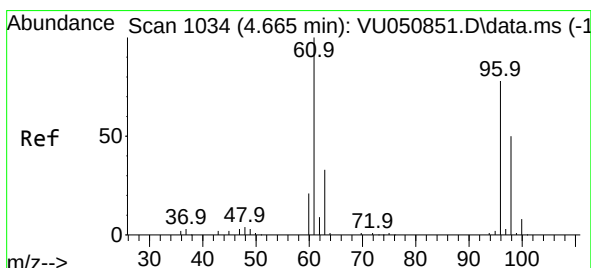
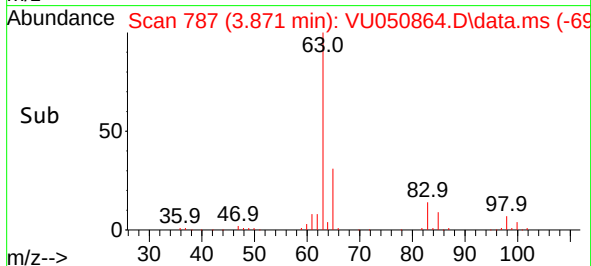
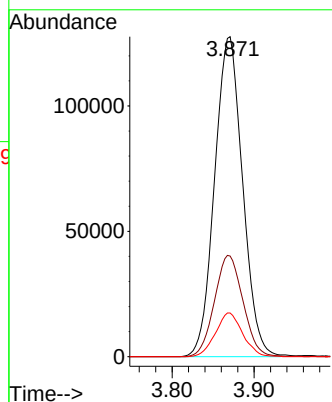
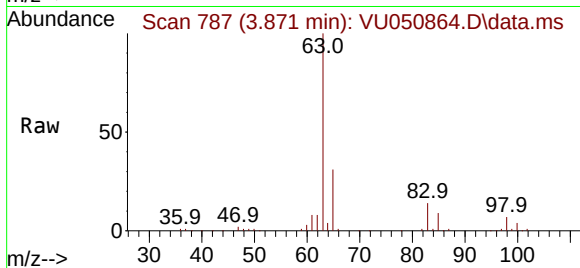
Tgt Ion: 63 Resp: 302565

Ion Ratio Lower Upper

63 100

65 31.4 21.5 39.9

83 13.7 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 179.493 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050864.D

Acq: 21 Sep 2022 04:35

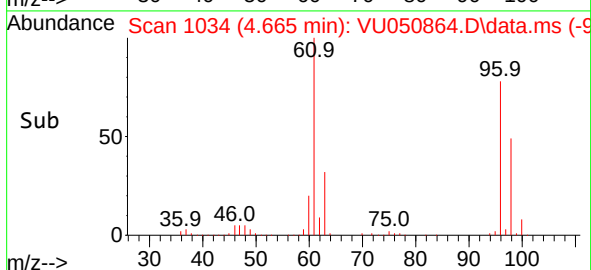
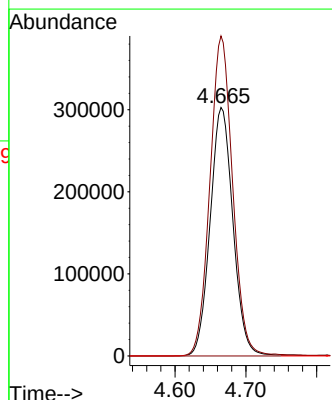
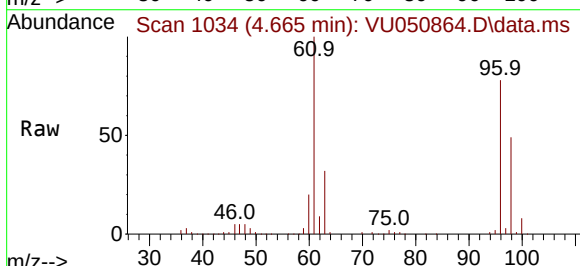
Tgt Ion: 96 Resp: 676431

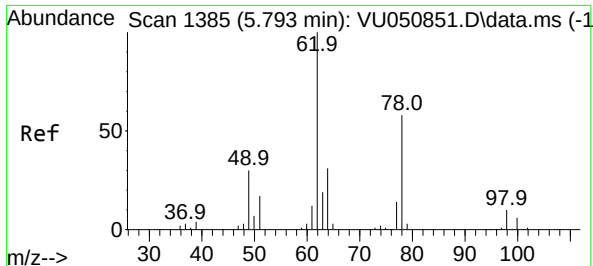
Ion Ratio Lower Upper

96 100

61 128.8 90.1 167.3

68 0.0 0.0 0.0

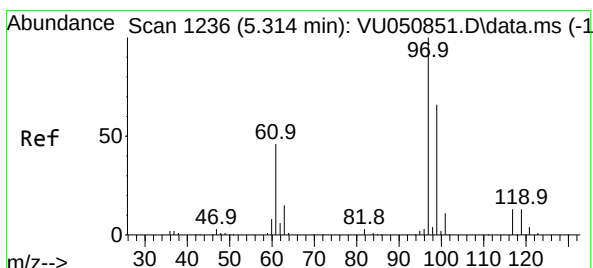
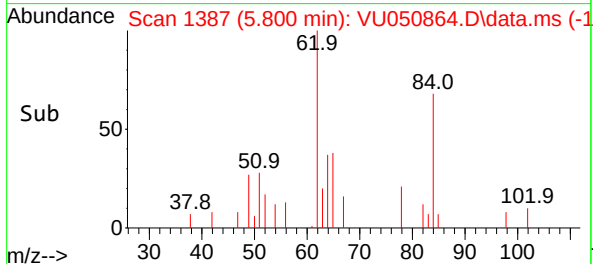
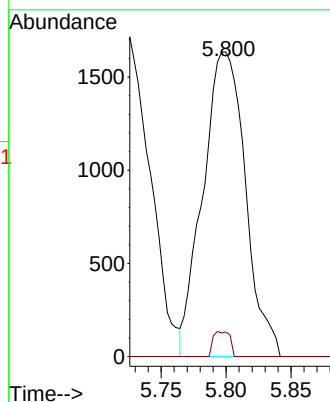
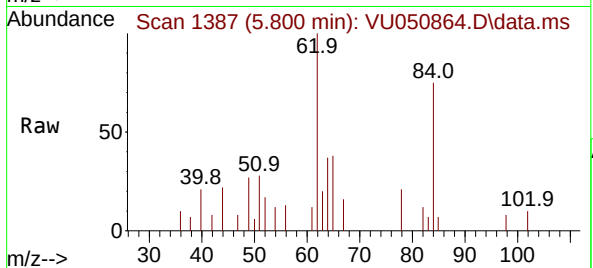




#27
1,2-Dichloroethane
Concen: 0.715 ug/L
RT: 5.800 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU050864.D
Acq: 21 Sep 2022 04:35

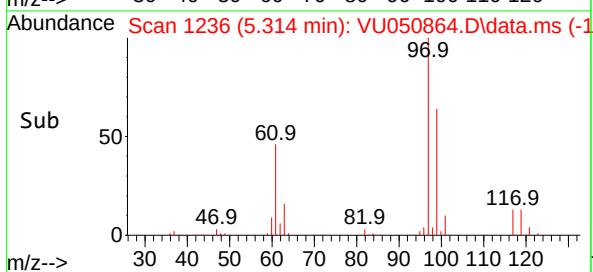
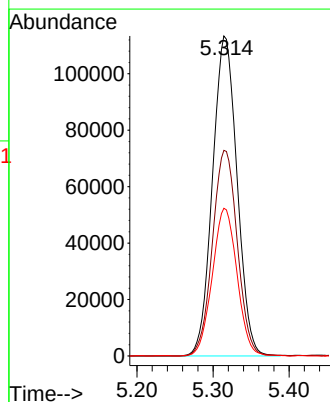
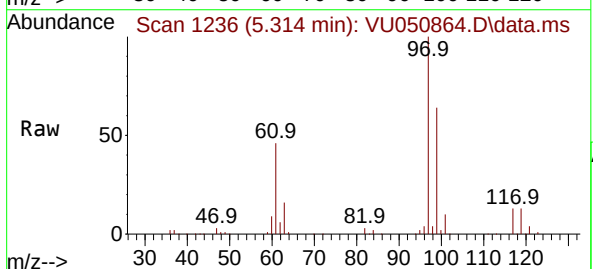
Instrument :
MSVOA_U
ClientSampleId :
EXZ07

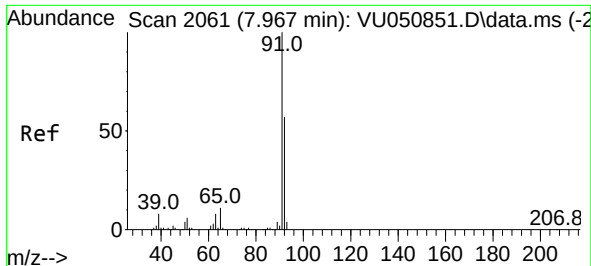
Tgt Ion: 62 Resp: 3720
Ion Ratio Lower Upper
62 100
98 8.1 7.4 11.0



#30
1,1,1-Trichloroethane
Concen: 46.493 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VU050864.D
Acq: 21 Sep 2022 04:35

Tgt Ion: 97 Resp: 254071
Ion Ratio Lower Upper
97 100
99 65.0 52.2 78.2
61 46.5 37.1 55.7





#42

Toluene

Concen: 3.022 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU050864.D

Acq: 21 Sep 2022 04:35

Instrument :

MSVOA_U

ClientSampleId :

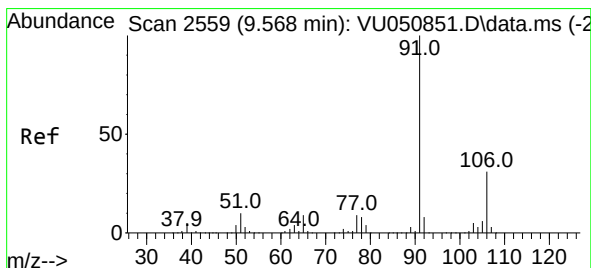
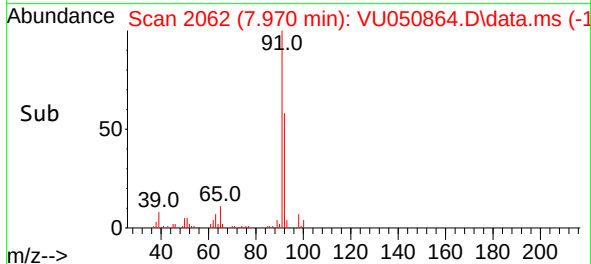
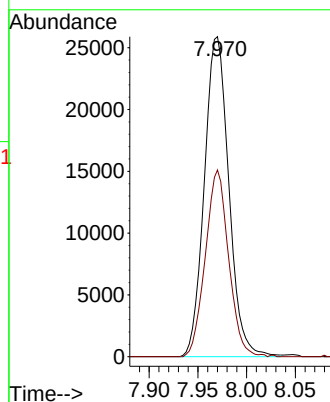
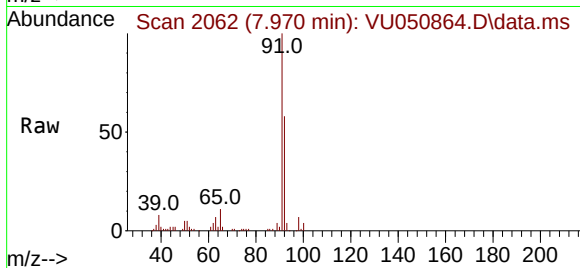
EXZ07

Tgt Ion: 91 Resp: 45350

Ion Ratio Lower Upper

91 100

92 58.4 39.1 72.5



#52

Ethylbenzene

Concen: 1.083 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. 0.003 min

Lab File: VU050864.D

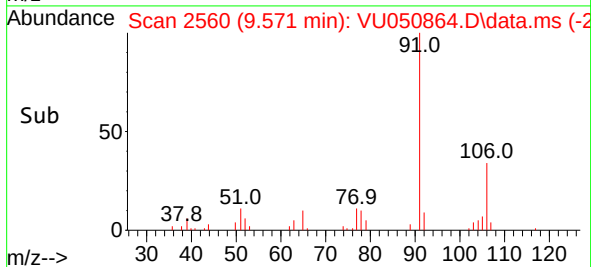
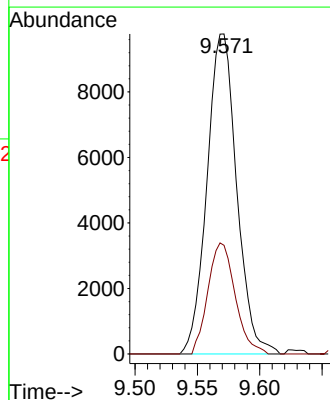
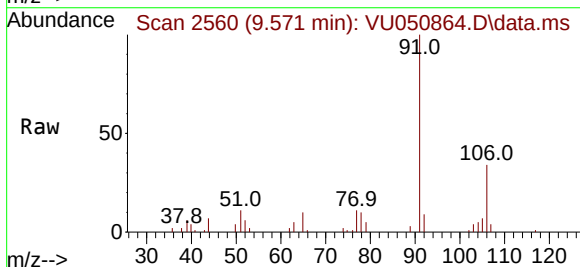
Acq: 21 Sep 2022 04:35

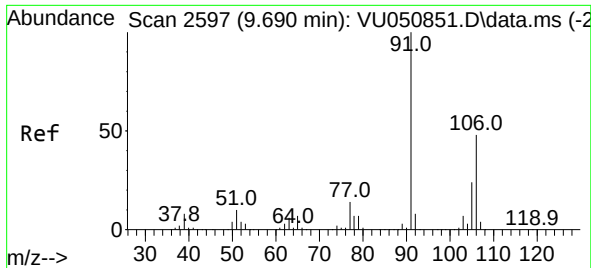
Tgt Ion: 91 Resp: 16211

Ion Ratio Lower Upper

91 100

106 37.6 21.0 39.0

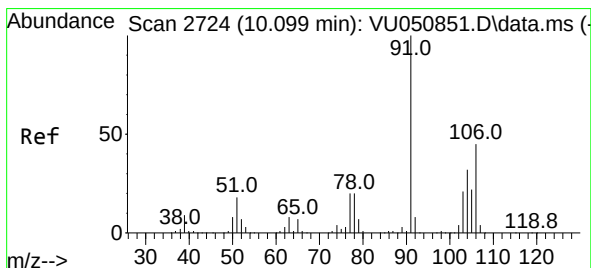
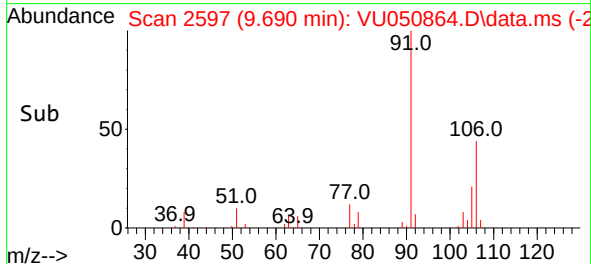
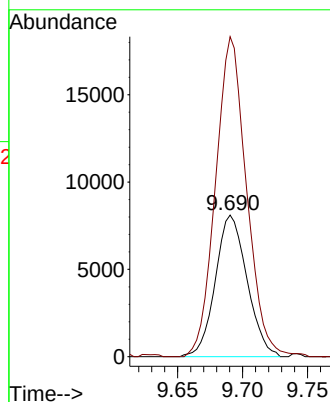
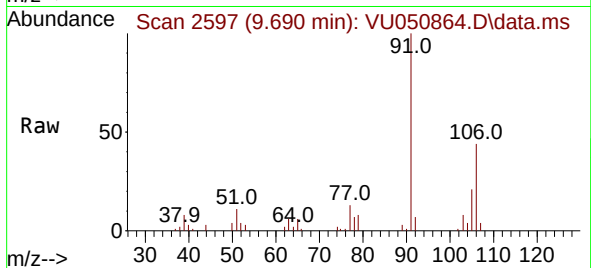




#53
m,p-Xylene
Concen: 2.471 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU050864.D
Acq: 21 Sep 2022 04:35

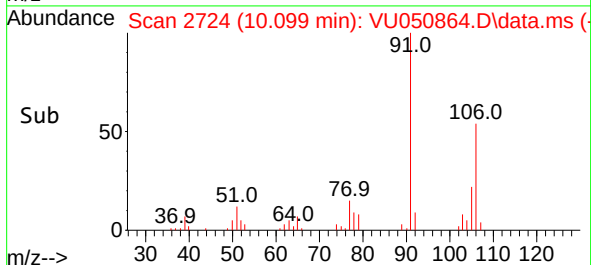
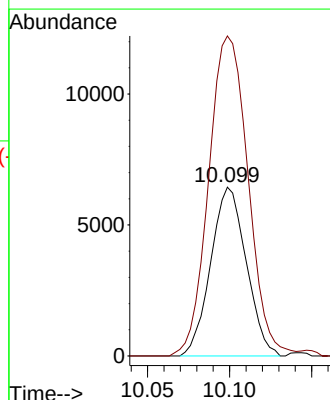
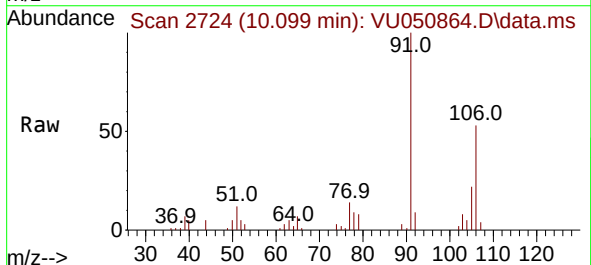
Instrument :
MSVOA_U
ClientSampleId :
EXZ07

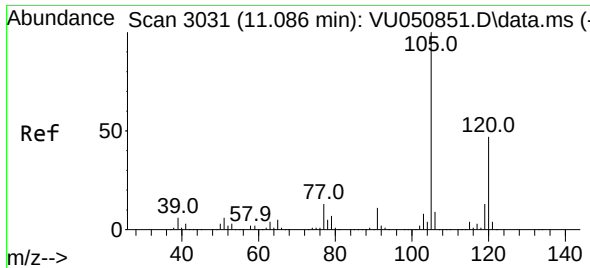
Tgt Ion:106 Resp: 13751
Ion Ratio Lower Upper
106 100
91 225.9 144.0 267.4



#54
o-Xylene
Concen: 1.747 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU050864.D
Acq: 21 Sep 2022 04:35

Tgt Ion:106 Resp: 9689
Ion Ratio Lower Upper
106 100
91 189.5 154.6 287.0

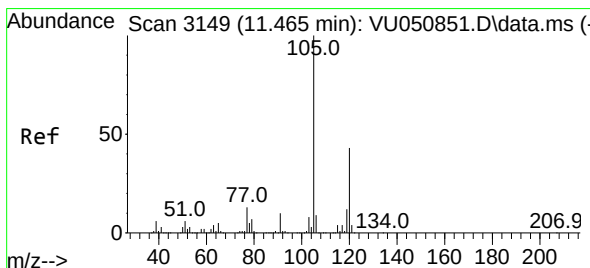
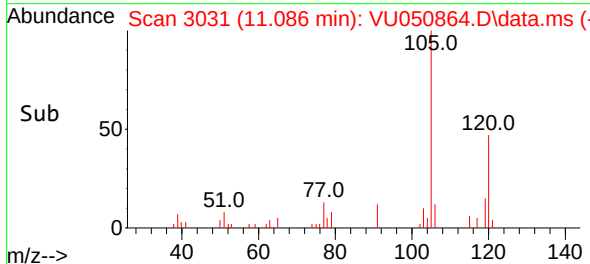
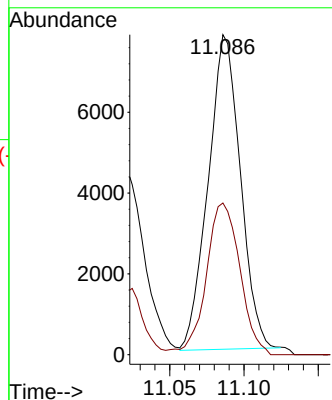
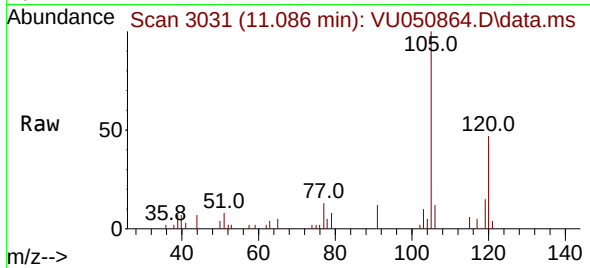




#62
1,3,5-Trimethylbenzene
Concen: 1.215 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU050864.D
Acq: 21 Sep 2022 04:35

Instrument :
MSVOA_U
ClientSampleId :
EXZ07

Tgt Ion:105 Resp: 11733
Ion Ratio Lower Upper
105 100
120 49.8 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 5.421 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VU050864.D
Acq: 21 Sep 2022 04:35

Tgt Ion:105 Resp: 51842
Ion Ratio Lower Upper
105 100
120 44.7 34.9 52.3

