

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
 Data File : VU049038.D
 Acq On : 11 Jun 2022 07:57
 Operator : SY/MD
 Sample : N3248-19
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY8

Quant Time: Jun 11 09:42:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 11 04:33:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	179	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	9.420	117	464	50.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	647	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.764	65	85	77.082	ug/L	0.17
Spiked Amount 50.000	Range 60	- 135	Recovery	=	154.160%#	
7) Chloroethane-d5	2.079	69	645	796.627	ug/L	0.18
Spiked Amount 50.000	Range 70	- 130	Recovery	=	1593.260%#	
11) 1,1-Dichloroethene-d2	2.581	63	7848	3771.641	ug/L	0.02
Spiked Amount 50.000	Range 60	- 125	Recovery	=	7543.280%#	
21) 2-Butanone-d5	0.000	46	0	0.000	ug/L	
Spiked Amount 100.000	Range 40	- 130	Recovery	=	0.000%#	
24) Chloroform-d	0.000	84	0d	0.000	ug/L	
Spiked Amount 50.000	Range 70	- 125	Recovery	=	0.000%#	
26) 1,2-Dichloroethane-d4	5.706	65	399	261.805	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	523.600%#	
32) Benzene-d6	5.729	84	178	15.471	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	30.940%#	
36) 1,2-Dichloropropane-d6	0.000	67	0	0.000	ug/L	
Spiked Amount 50.000	Range 70	- 120	Recovery	=	0.000%#	
41) Toluene-d8	7.899	98	692	68.197	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	136.400%#	
43) trans-1,3-Dichloroprop...	0.000	79	0	0.000	ug/L	
Spiked Amount 50.000	Range 60	- 125	Recovery	=	0.000%#	
47) 2-Hexanone-d5	0.000	63	0	0.000	ug/L	
Spiked Amount 100.000	Range 45	- 130	Recovery	=	0.000%#	
56) 1,1,2,2-Tetrachloroeth...	10.754	84	141	21.826	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	43.660%#	
66) 1,2-Dichlorobenzene-d4	12.198	152	427	37.930	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	75.860%#	
Target Compounds						
						Qvalue
5) Vinyl chloride	1.604	62	2341	1483.143	ug/L	# 34
9) Trichlorofluoromethane	2.137	101	1607	723.392	ug/L	86
12) 1,1-Dichloroethene	2.578	96	14700	13317.148	ug/L	# 70
13) Acetone	2.623	43	2240	2354.507	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	6364	5243.481	ug/L	96
19) 1,1-Dichloroethane	3.867	63	419398	160400.709	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	532501	360628.707	ug/L	99
25) Chloroform	5.095	83	2251	826.070	ug/L	93
30) 1,1,1-Trichloroethane	5.317	97	951963	147115.685	ug/L	99
34) Trichloroethene	6.545	95	9946	2624.821	ug/L	95
42) Toluene	7.970	91	1949	125.438	ug/L	87
46) Tetrachloroethene	8.552	164	16341	5562.554	ug/L	92
52) Ethylbenzene	9.571	91	1924	113.890	ug/L	100
53) m,p-Xylene	9.697	106	1464	220.678	ug/L	96
54) o-Xylene	10.102	106	1312	196.291	ug/L	93
62) 1,3,5-Trimethylbenzene	11.089	105	2894	77.131	ug/L	91
63) 1,2,4-Trimethylbenzene	11.468	105	14656	490.627	ug/L	98

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Quant Time: Jun 11 09:42:40 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 11 04:33:31 2022
Response via : Initial Calibration

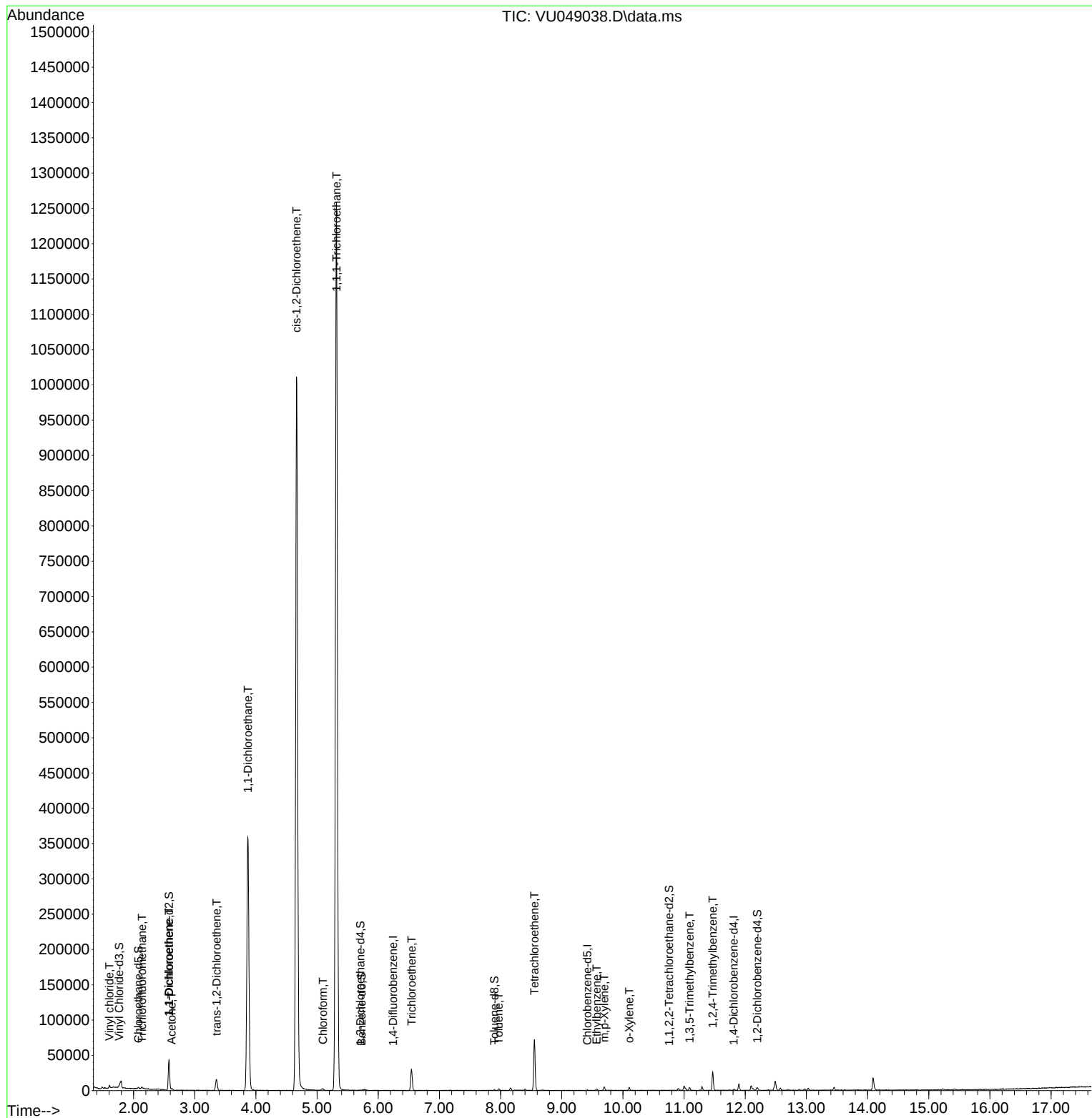
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

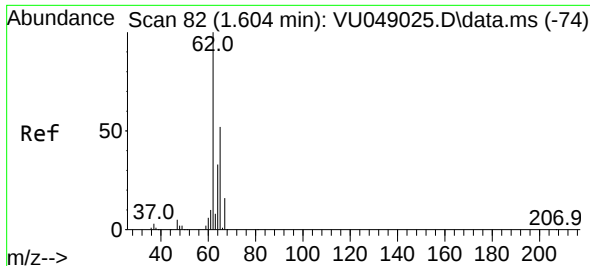
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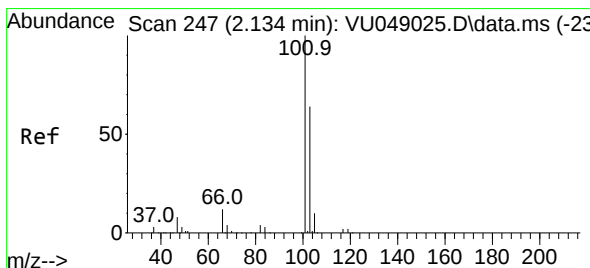
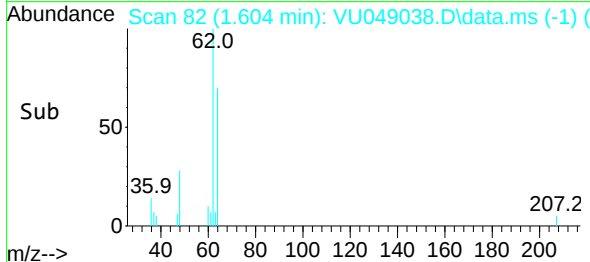
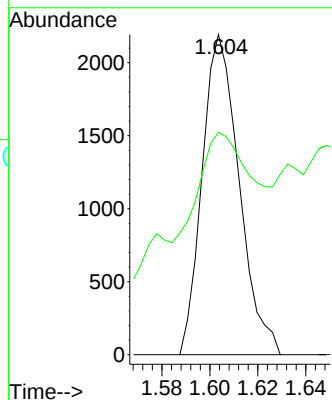
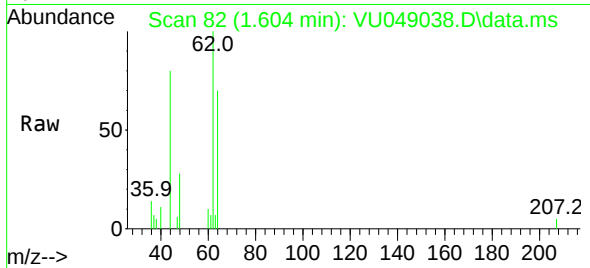




#5
 Vinyl chloride
 Concen: 1483.143 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU049038.D
 Acq: 11 Jun 2022 07:57

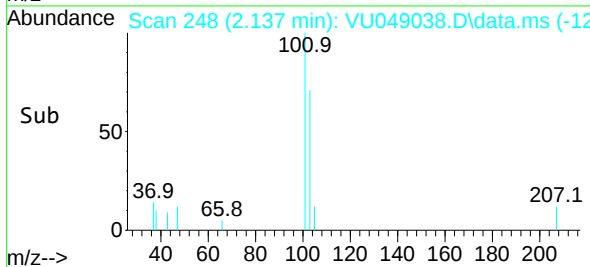
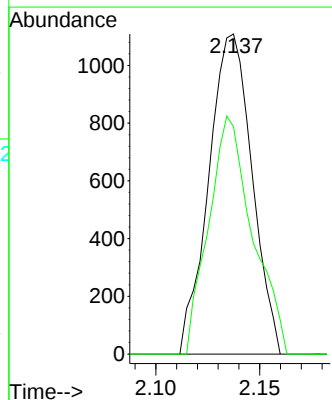
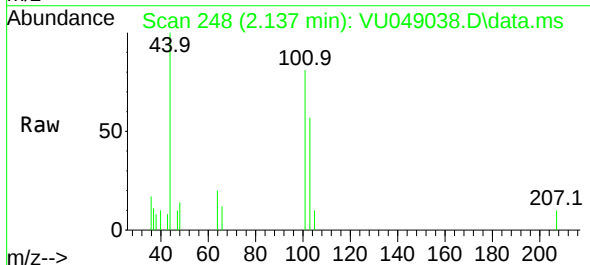
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY8

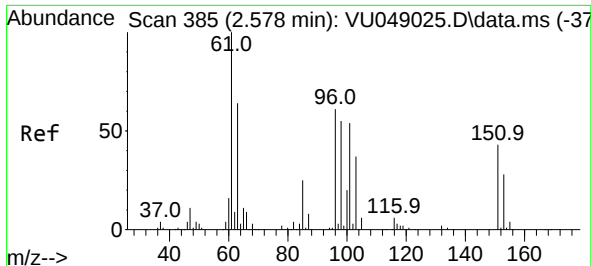
Tgt Ion: 62 Resp: 2341
 Ion Ratio Lower Upper
 62 100
 64 69.5 22.7 42.3#



#9
 Trichlorofluoromethane
 Concen: 723.392 ug/L
 RT: 2.137 min Scan# 248
 Delta R.T. 0.003 min
 Lab File: VU049038.D
 Acq: 11 Jun 2022 07:57

Tgt Ion: 101 Resp: 1607
 Ion Ratio Lower Upper
 101 100
 103 75.0 51.3 76.9

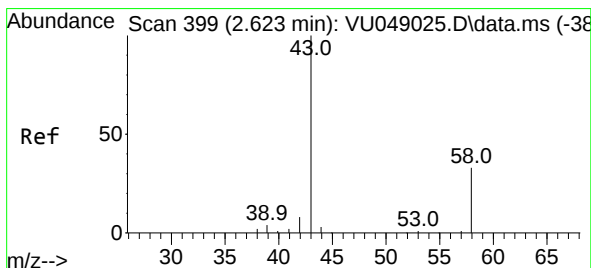
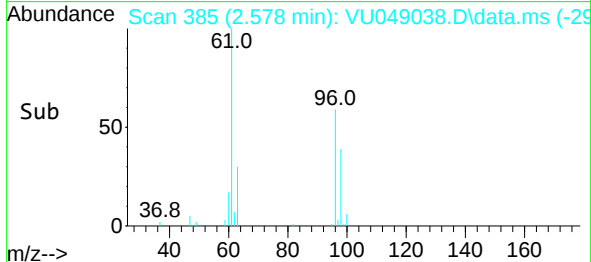
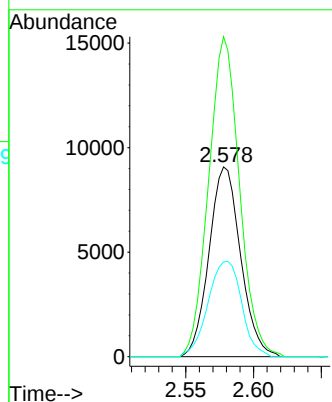
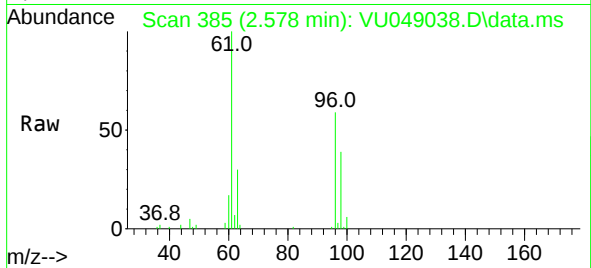




#12
1,1-Dichloroethene
Concen: 13317.148 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU049038.D
Acq: 11 Jun 2022 07:57

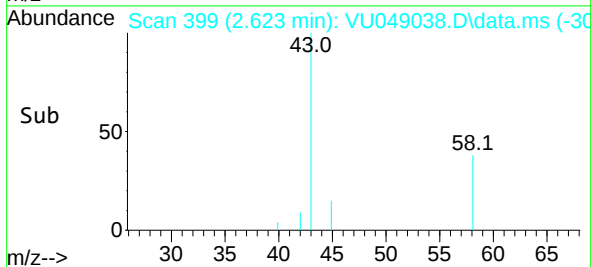
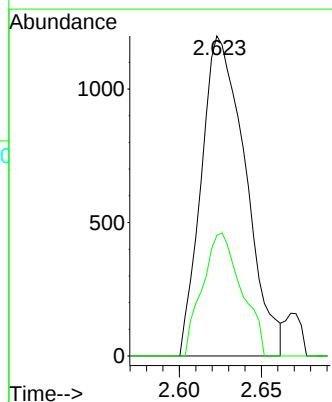
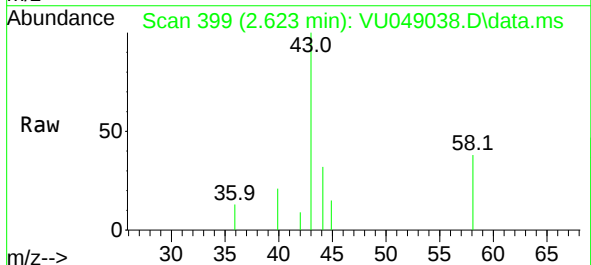
Instrument :
MSVOA_U
ClientSampleId :
EXYY8

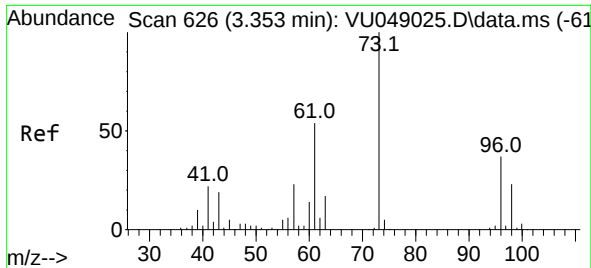
Tgt Ion: 96 Resp: 14700
Ion Ratio Lower Upper
96 100
61 168.6 123.5 229.3
63 49.9 86.0 159.8#



#13
Acetone
Concen: 2354.507 ug/L
RT: 2.623 min Scan# 399
Delta R.T. -0.000 min
Lab File: VU049038.D
Acq: 11 Jun 2022 07:57

Tgt Ion: 43 Resp: 2240
Ion Ratio Lower Upper
43 100
58 34.0 0.0 66.4

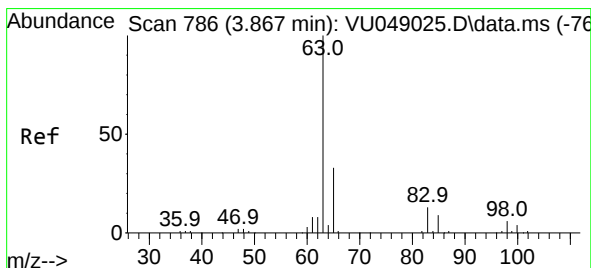
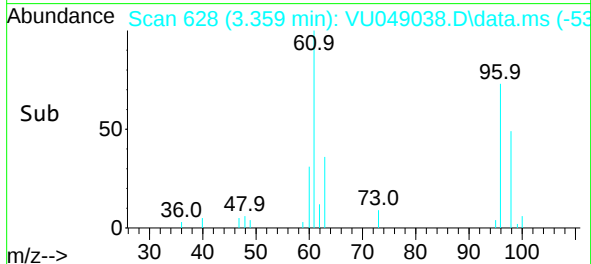
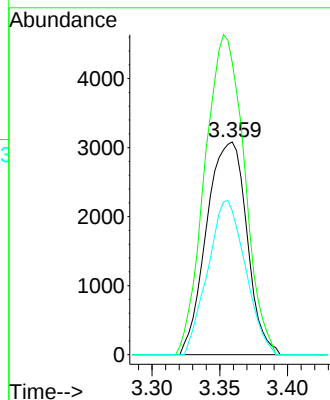
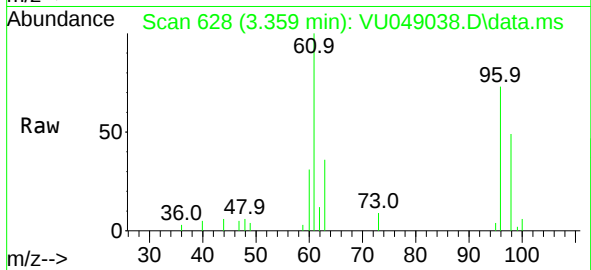




#17
trans-1,2-Dichloroethene
Concen: 5243.481 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.006 min
Lab File: VU049038.D
Acq: 11 Jun 2022 07:57

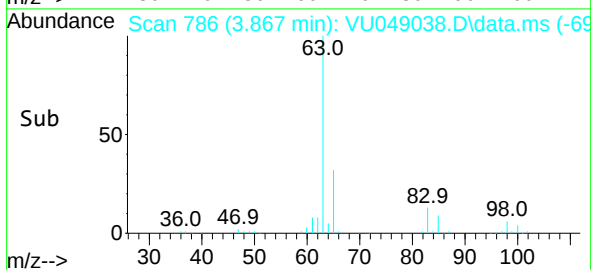
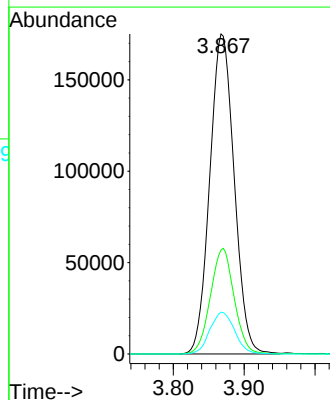
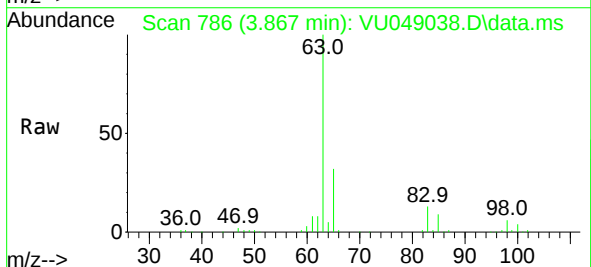
Instrument :
MSVOA_U
ClientSampleId :
EXYY8

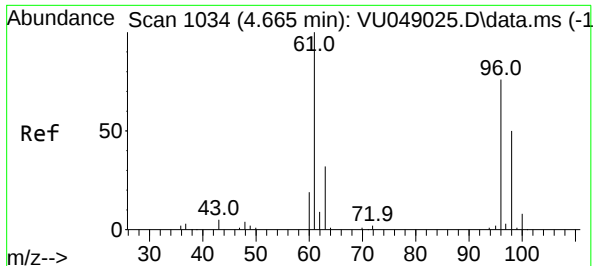
Tgt Ion: 96 Resp: 6364
Ion Ratio Lower Upper
96 100
61 137.3 99.3 184.3
98 67.5 44.7 83.1



#19
1,1-Dichloroethane
Concen: 160400.709 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU049038.D
Acq: 11 Jun 2022 07:57

Tgt Ion: 63 Resp: 419398
Ion Ratio Lower Upper
63 100
65 32.5 22.3 41.5
83 13.1 9.5 17.7

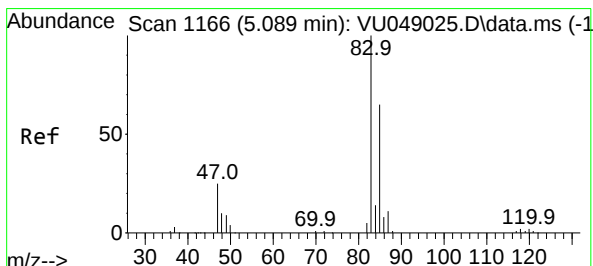
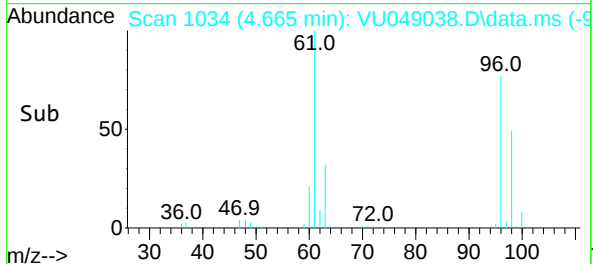
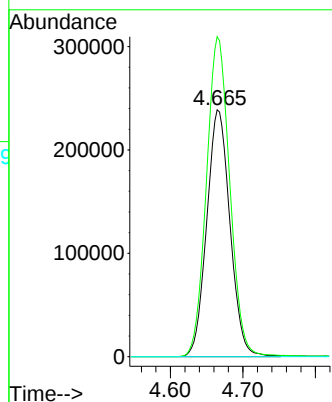
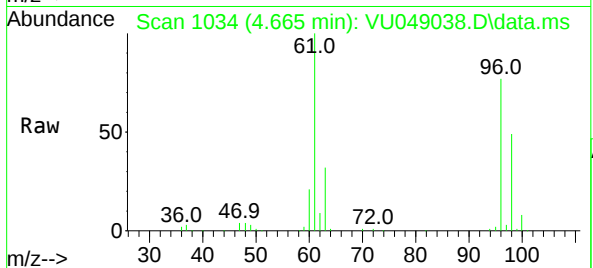




#20
cis-1,2-Dichloroethene
Concen: 360628.707 ug/L
RT: 4.665 min Scan# 1168
Delta R.T. -0.000 min
Lab File: VU049038.D
Acq: 11 Jun 2022 07:57

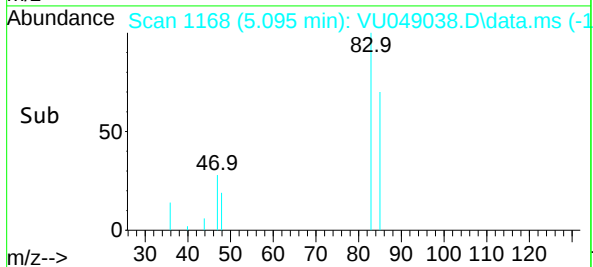
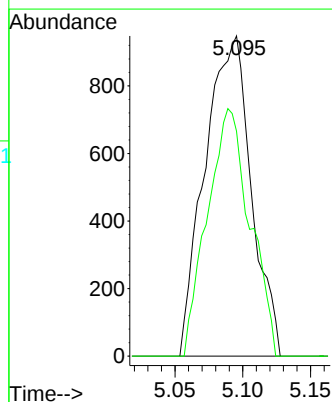
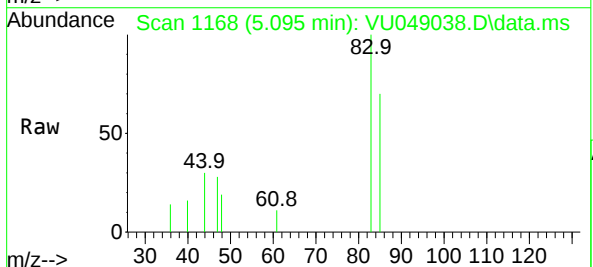
Instrument :
MSVOA_U
ClientSampleId :
EXYY8

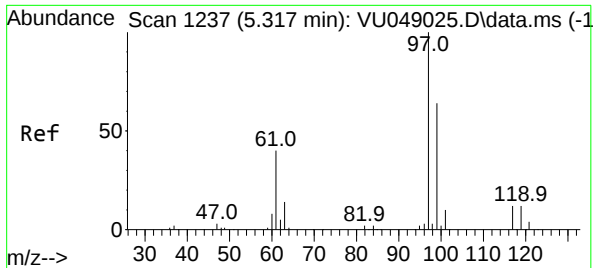
Tgt Ion: 96 Resp: 532501
Ion Ratio Lower Upper
96 100
61 129.6 91.6 170.2
68 0.0 0.0 0.0



#25
Chloroform
Concen: 826.070 ug/L
RT: 5.095 min Scan# 1168
Delta R.T. 0.006 min
Lab File: VU049038.D
Acq: 11 Jun 2022 07:57

Tgt Ion: 83 Resp: 2251
Ion Ratio Lower Upper
83 100
85 70.3 45.1 83.9

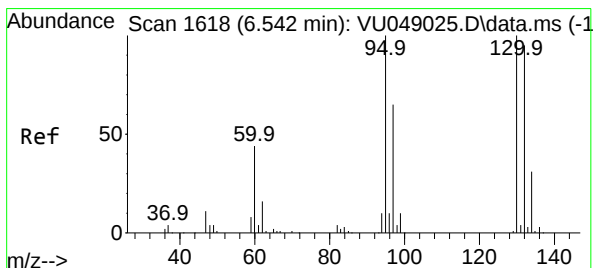
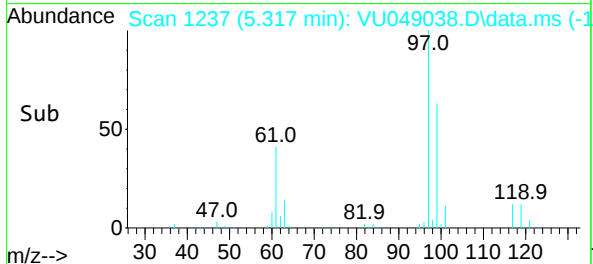
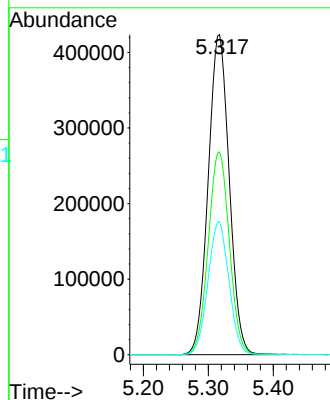
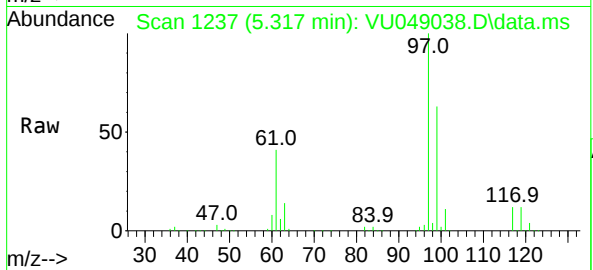




#30
1,1,1-Trichloroethane
Concen: 147115.685 ug/L
RT: 5.317 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU049038.D
Acq: 11 Jun 2022 07:57

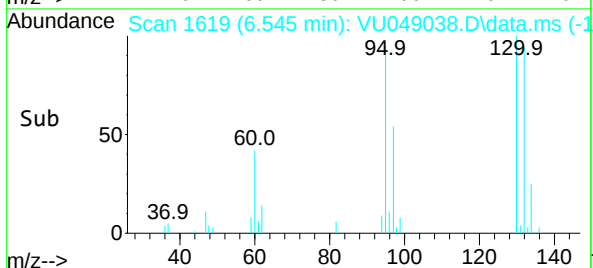
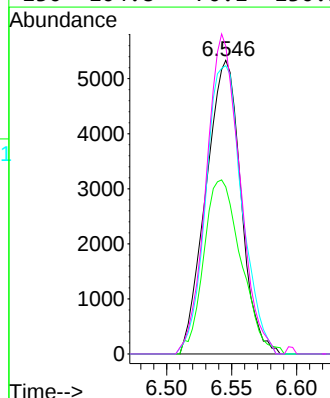
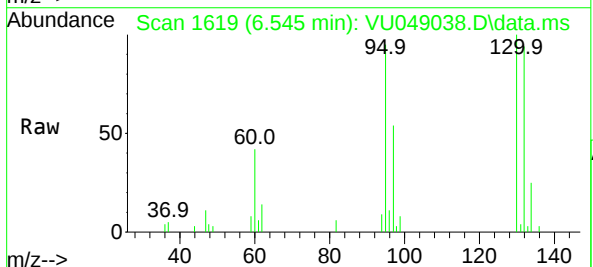
Instrument :
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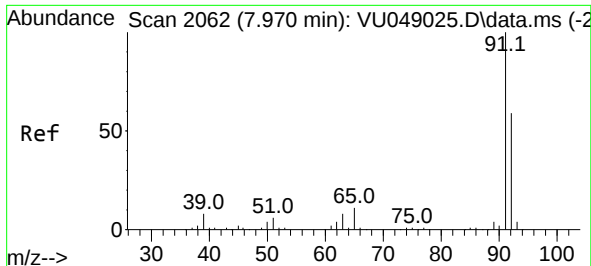
Tgt Ion:	97	Resp:	951963
Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.9	76.3
61	41.5	34.2	51.2



#34
Trichloroethene
Concen: 2624.821 ug/L
RT: 6.545 min Scan# 1619
Delta R.T. 0.003 min
Lab File: VU049038.D
Acq: 11 Jun 2022 07:57

Tgt Ion:	95	Resp:	9946
Ion	Ratio	Lower	Upper
95	100		
97	56.9	45.4	84.4
132	98.2	67.6	125.6
130	104.8	70.1	130.3





#42

Toluene

Concen: 125.438 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU049038.D

Acq: 11 Jun 2022 07:57

Instrument :

MSVOA_U

ClientSampleId :

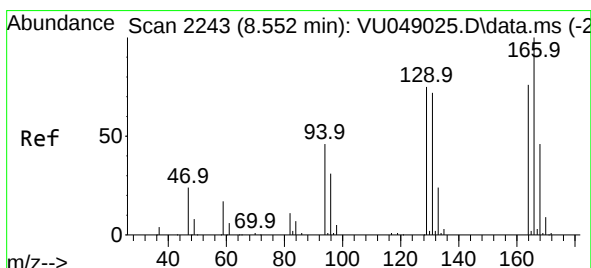
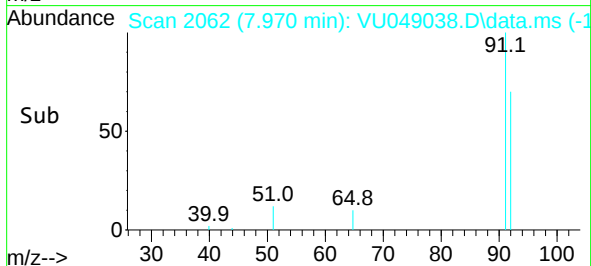
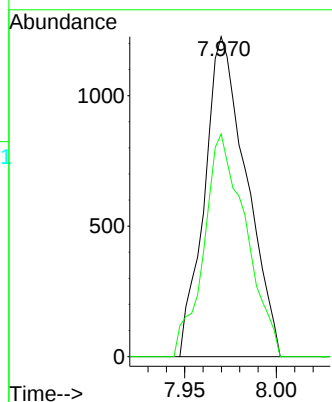
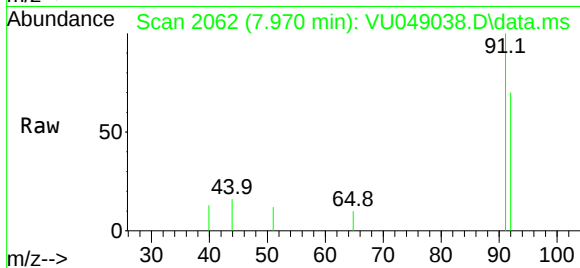
EXYY8

Tgt Ion: 91 Resp: 1949

Ion Ratio Lower Upper

91 100

92 69.6 41.6 77.3



#46

Tetrachloroethene

Concen: 5562.554 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.000 min

Lab File: VU049038.D

Acq: 11 Jun 2022 07:57

Tgt Ion: 164 Resp: 16341

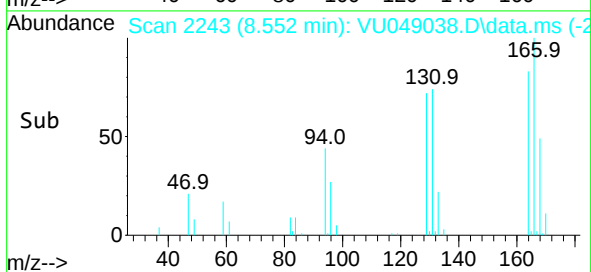
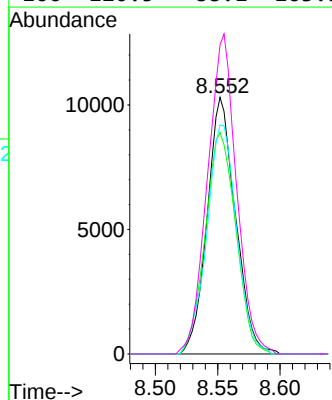
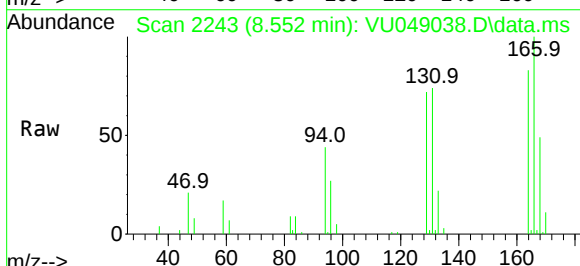
Ion Ratio Lower Upper

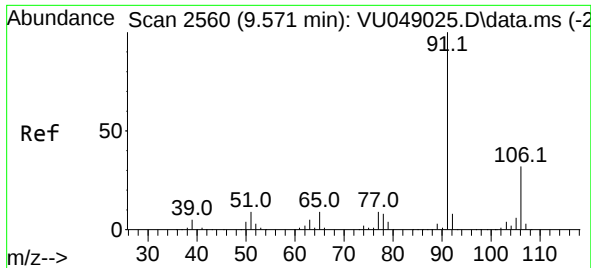
164 100

129 86.3 70.9 131.7

131 89.3 66.2 123.0

166 120.5 88.1 163.5

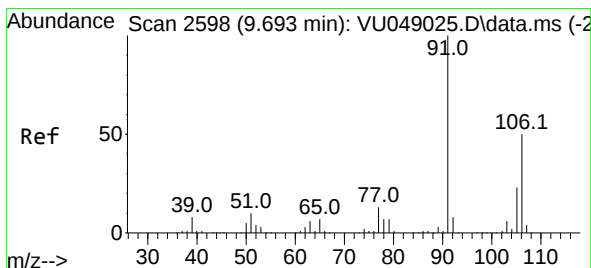
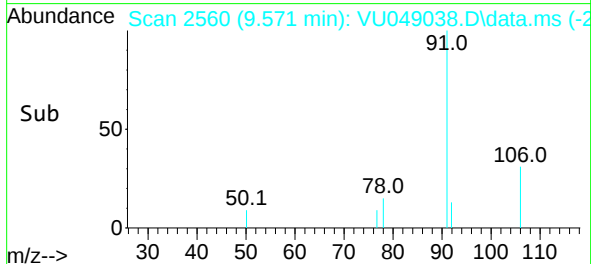
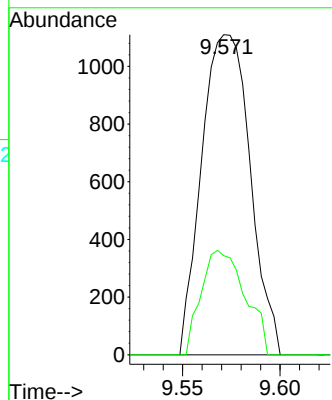
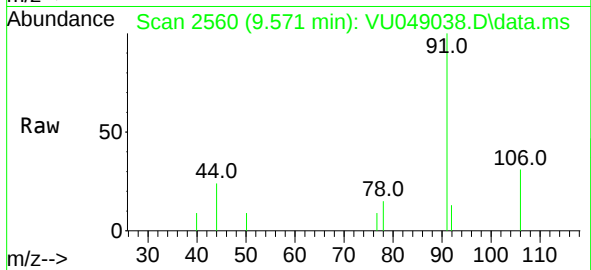




#52
Ethylbenzene
Concen: 113.890 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU049038.D
Acq: 11 Jun 2022 07:57

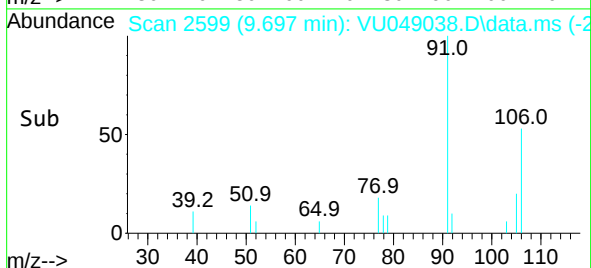
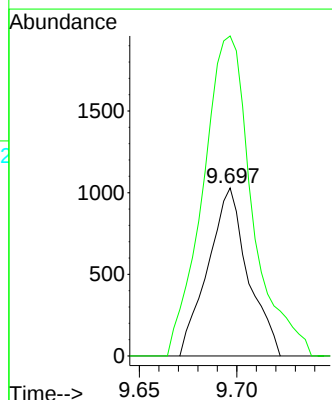
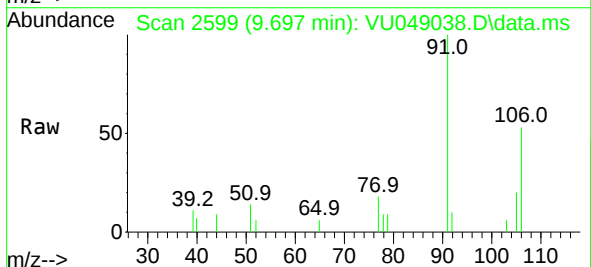
Instrument :
MSVOA_U
ClientSampleId :
EXYY8

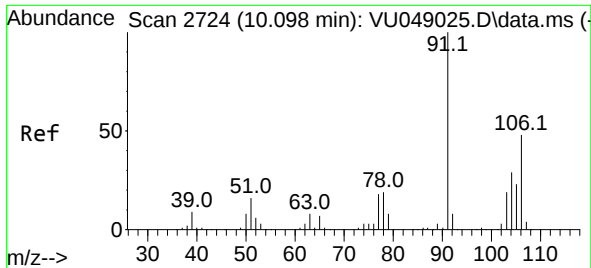
Tgt Ion: 91 Resp: 1924
Ion Ratio Lower Upper
91 100
106 31.0 21.6 40.2



#53
m,p-Xylene
Concen: 220.678 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU049038.D
Acq: 11 Jun 2022 07:57

Tgt Ion: 106 Resp: 1464
Ion Ratio Lower Upper
106 100
91 190.5 137.4 255.2

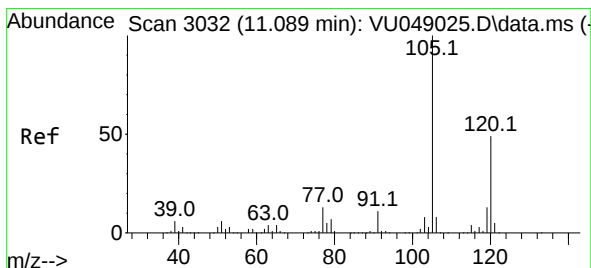
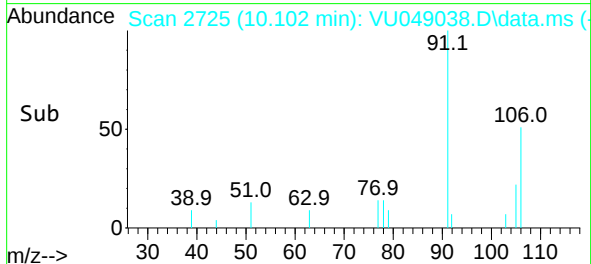
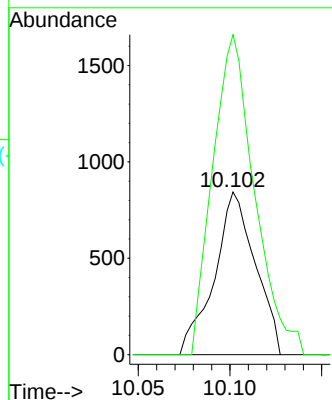
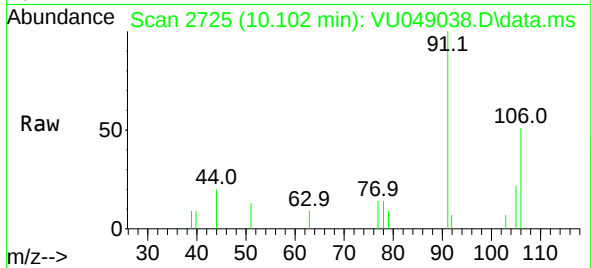




#54
o-Xylene
Concen: 196.291 ug/L
RT: 10.102 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049038.D
Acq: 11 Jun 2022 07:57

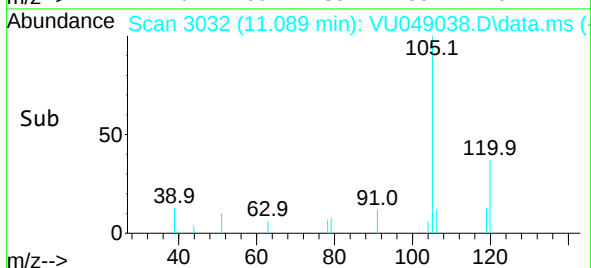
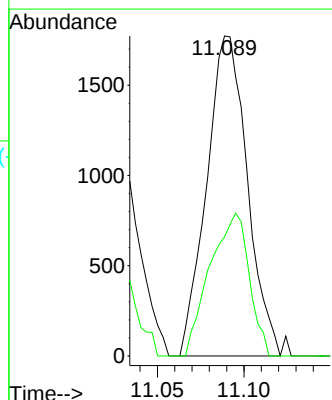
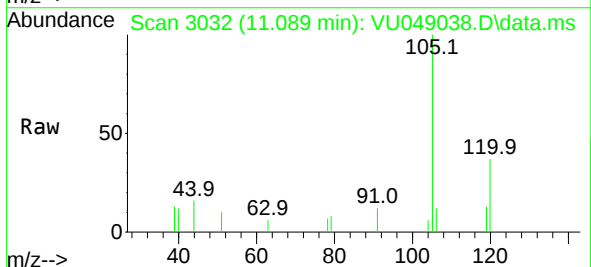
Instrument :
MSVOA_U
ClientSampleId :
EXYY8

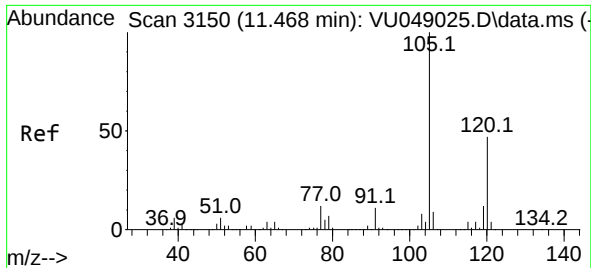
Tgt Ion:106 Resp: 1312
Ion Ratio Lower Upper
106 100
91 196.7 145.2 269.6



#62
1,3,5-Trimethylbenzene
Concen: 77.131 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.000 min
Lab File: VU049038.D
Acq: 11 Jun 2022 07:57

Tgt Ion:105 Resp: 2894
Ion Ratio Lower Upper
105 100
120 43.0 39.1 58.7





#63
 1,2,4-Trimethylbenzene
 Concen: 490.627 ug/L
 RT: 11.468 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU049038.D
 Acq: 11 Jun 2022 07:57

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY8

Tgt Ion:105 Resp: 14656
 Ion Ratio Lower Upper
 105 100
 120 46.4 36.3 54.5

