

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U061022\
 Data File : U049036.D
 Acq On : 11 Jun 2022 07:10
 Operator : SY/MD
 Sample : N3248-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY5

Quant Time: Jun 11 07:58:37 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	6.259	114	787	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	9.426	117	1497	50.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	2769	50.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	329	67.859	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	135.720%#
7) Chloroethane-d5	2.083	69	126	35.395	ug/L	0.18
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.800%
11) 1,1-Dichloroethene-d2	2.578	63	1026	112.149	ug/L	0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	224.300%#
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	5.066	84	19	1.837	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	3.680%#
26) 1,2-Dichloroethane-d4	5.697	65	177	26.415	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	52.840%#
32) Benzene-d6	5.722	84	153	4.122	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	8.240%#
36) 1,2-Dichloropropane-d6	6.703	67	47	3.766	ug/L	0.01
Spiked Amount	50.000	Range	70 - 120	Recovery	=	7.540%#
41) Toluene-d8	7.896	98	1243	37.969	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.940%#
43) trans-1,3-Dichloroprop...	8.185	79	212	36.111	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.220%
47) 2-Hexanone-d5	8.639	63	81	12.402	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	12.400%#
56) 1,1,2,2-Tetrachloroeth...	10.758	84	993	47.643	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.280%
66) 1,2-Dichlorobenzene-d4	12.198	152	1848	38.357	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.720%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	24390	3514.566	ug/L	97
8) Chloroethane	1.932	64	19732	5090.827	ug/L	98
12) 1,1-Dichloroethene	2.581	96	1231	253.647	ug/L #	77
13) Acetone	2.626	43	3281	784.398	ug/L	83
17) trans-1,2-Dichloroethene	3.356	96	2396	449.009	ug/L	96
19) 1,1-Dichloroethane	3.870	63	167554	14575.150	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	58232	8969.740	ug/L	99
30) 1,1,1-Trichloroethane	5.317	97	136761	6550.846	ug/L	100
34) Trichloroethene	6.542	95	18202	1488.904	ug/L	98
35) Methylcyclohexane	6.764	83	5548	325.122	ug/L #	85
40) 4-Methyl-2-pentanone	7.793	43	136	5.902	ug/L #	43
42) Toluene	7.973	91	5000	99.743	ug/L	94
45) 1,1,2-Trichloroethane	8.372	97	1141	86.097	ug/L #	15
46) Tetrachloroethene	8.552	164	51285	5411.057	ug/L	95
48) 2-Hexanone	8.687	43	1374	73.352	ug/L #	80
52) Ethylbenzene	9.571	91	18576	340.822	ug/L	95
53) m,p-Xylene	9.693	106	4310	201.369	ug/L	88
54) o-Xylene	10.098	106	2892	134.110	ug/L	97
61) Isopropylbenzene	10.484	105	8536	45.383	ug/L	97

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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 50 Sample Multiplier: 1

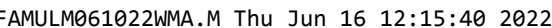
Instrument :
MSVOA_U
ClientSampleId :
EXYY5

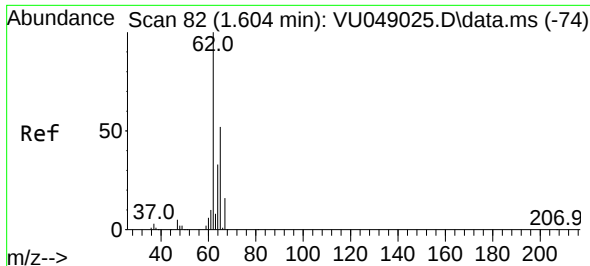
Quant Time: Jun 11 07:58:37 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 11 04:33:31 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	11.089	105	171211	1066.207	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	545106	4263.813	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	4727	49.368	ug/L	96

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
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Response via : Initial Calibration

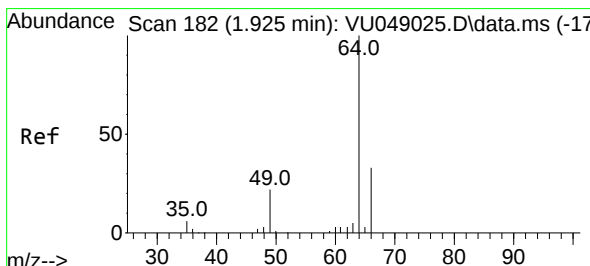
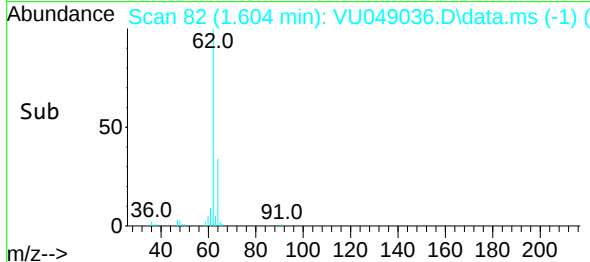
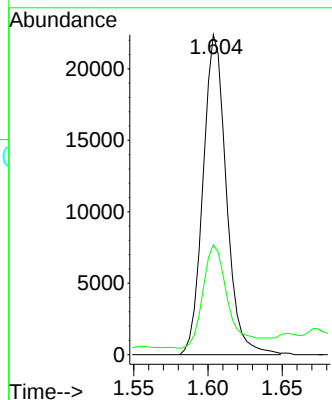
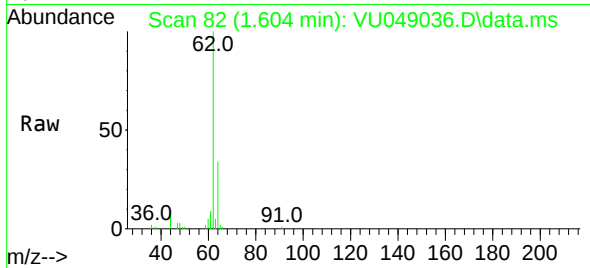




#5
 Vinyl chloride
 Concen: 3514.566 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU049036.D
 Acq: 11 Jun 2022 07:10

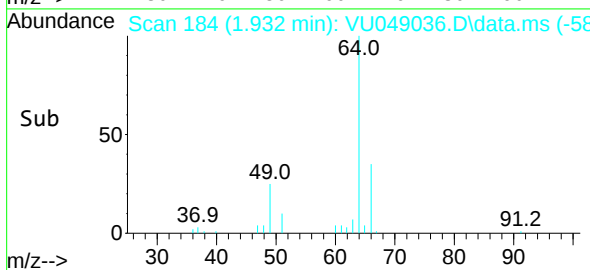
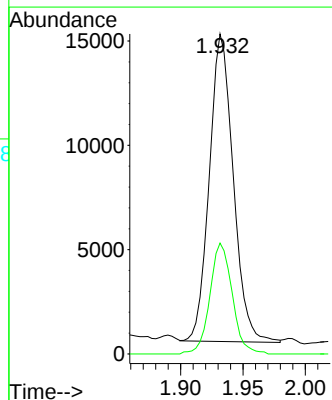
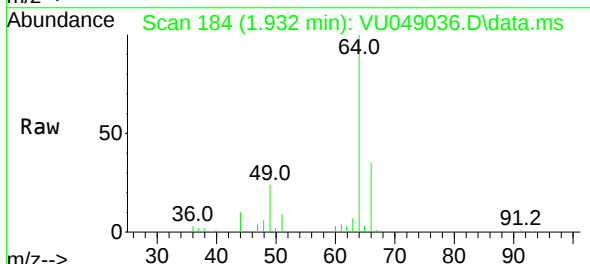
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY5

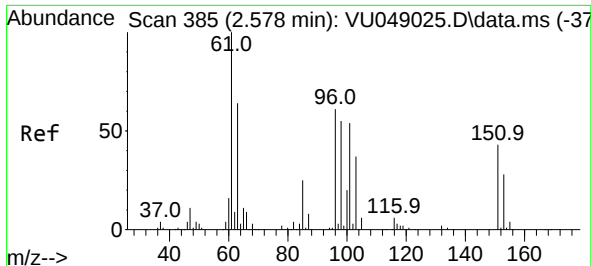
Tgt Ion: 62 Resp: 24390
 Ion Ratio Lower Upper
 62 100
 64 34.4 22.7 42.3



#8
 Chloroethane
 Concen: 5090.827 ug/L
 RT: 1.932 min Scan# 184
 Delta R.T. 0.006 min
 Lab File: VU049036.D
 Acq: 11 Jun 2022 07:10

Tgt Ion: 64 Resp: 19732
 Ion Ratio Lower Upper
 64 100
 66 34.7 23.7 43.9





#12

1,1-Dichloroethene

Concen: 253.647 ug/L

RT: 2.581 min Scan# 3

Delta R.T. 0.003 min

Lab File: VU049036.D

Acq: 11 Jun 2022 07:10

Instrument :

MSVOA_U

ClientSampleId :

EXYY5

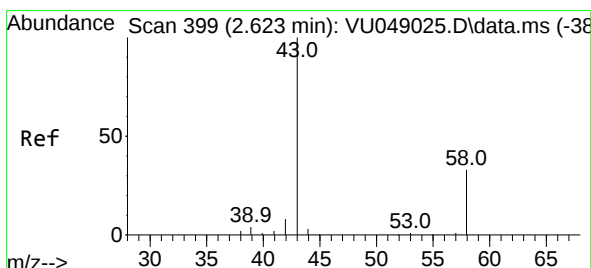
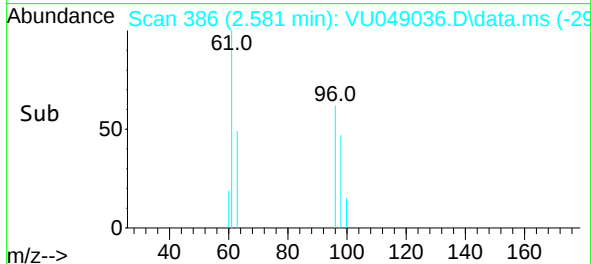
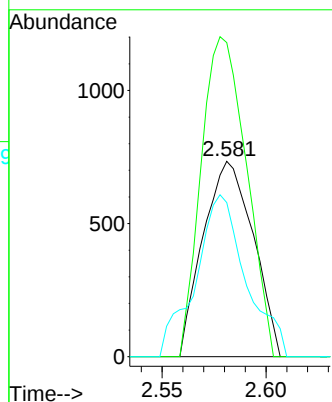
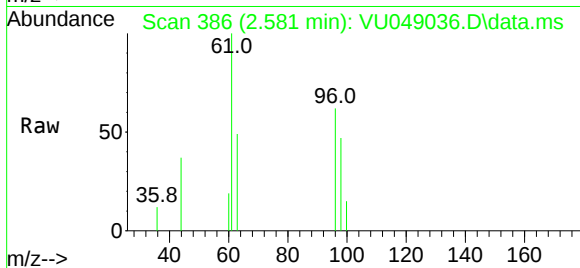
Tgt Ion: 96 Resp: 1231

Ion Ratio Lower Upper

96 100

61 160.8 123.5 229.3

63 78.9 86.0 159.8#



#13

Acetone

Concen: 784.398 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU049036.D

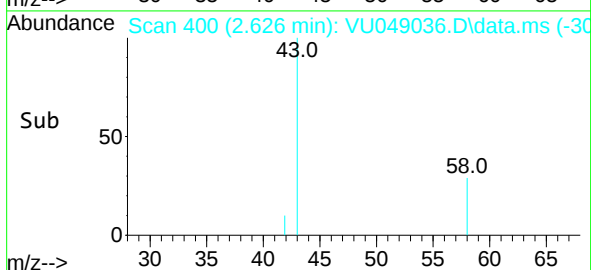
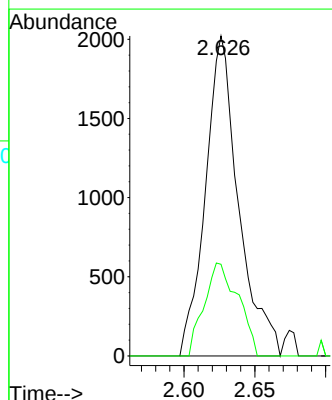
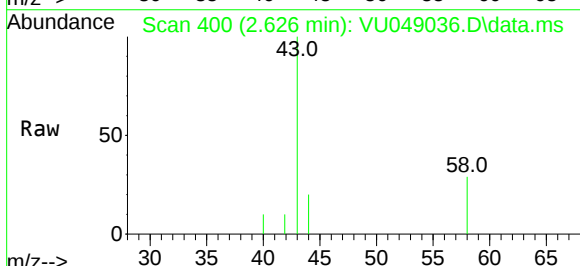
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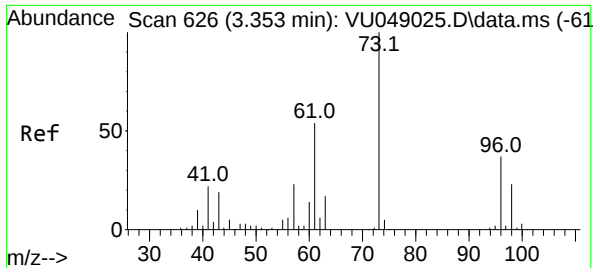
Tgt Ion: 43 Resp: 3281

Ion Ratio Lower Upper

43 100

58 23.7 0.0 66.4

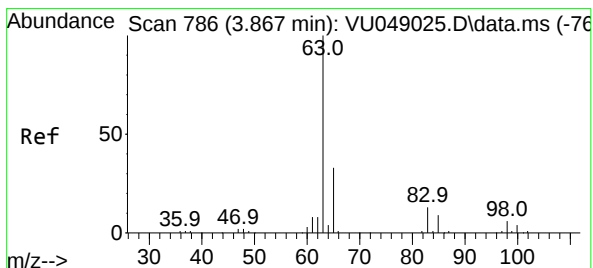
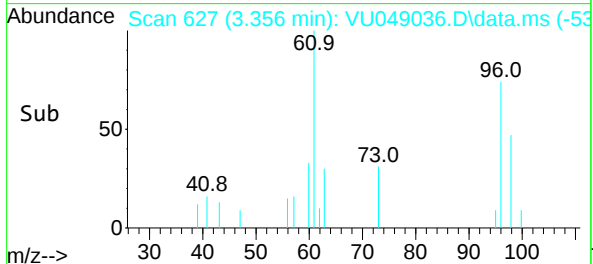
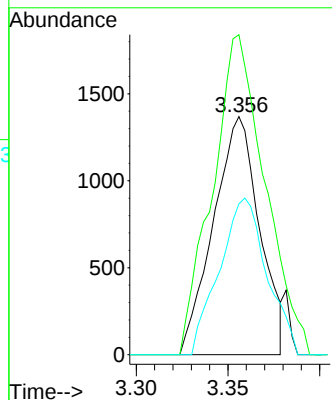
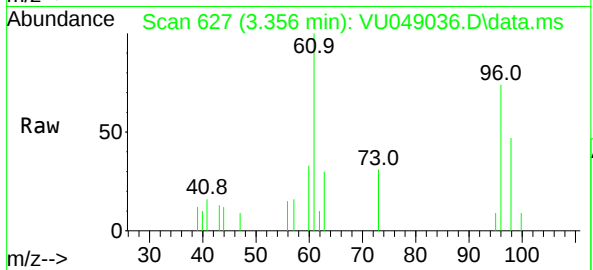




#17
trans-1,2-Dichloroethene
Concen: 449.009 ug/L
RT: 3.356 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU049036.D
Acq: 11 Jun 2022 07:10

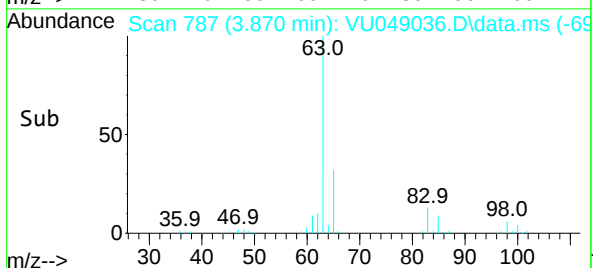
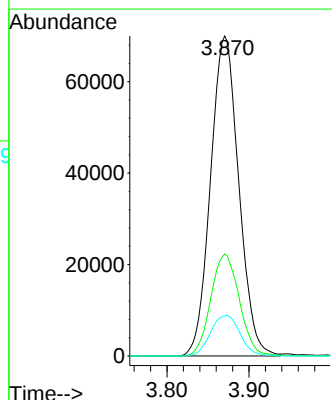
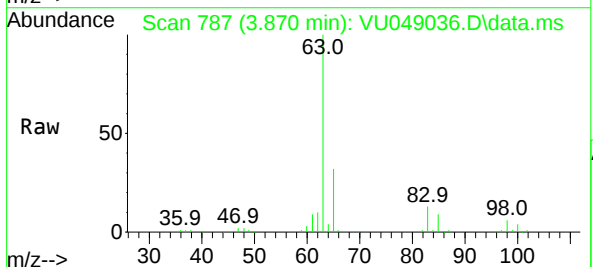
Instrument :
MSVOA_U
ClientSampleId :
EXYY5

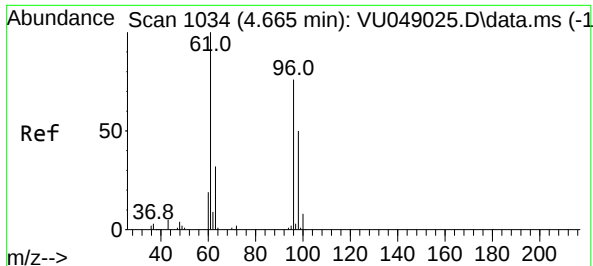
Tgt Ion:	96	Resp:	2396
Ion	Ratio	Lower	Upper
96	100		
61	134.4	99.3	184.3
98	63.4	44.7	83.1



#19
1,1-Dichloroethane
Concen: 14575.150 ug/L
RT: 3.870 min Scan# 787
Delta R.T. 0.003 min
Lab File: VU049036.D
Acq: 11 Jun 2022 07:10

Tgt Ion:	63	Resp:	167554
Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.3	41.5
83	12.6	9.5	17.7

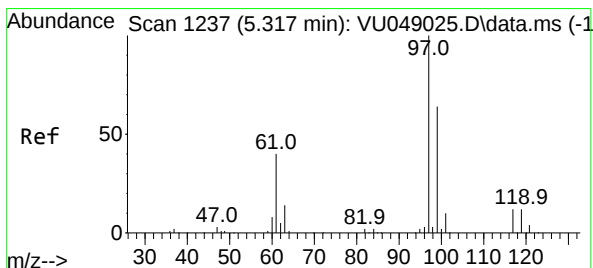
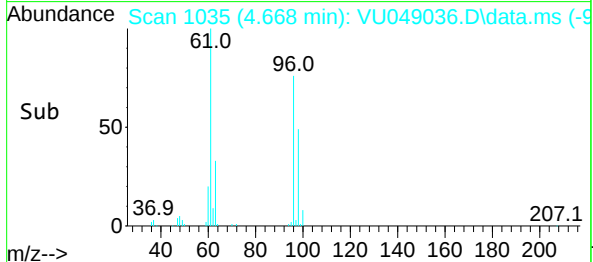
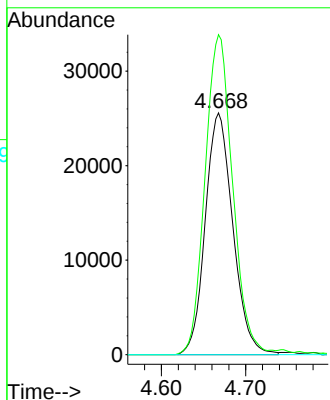
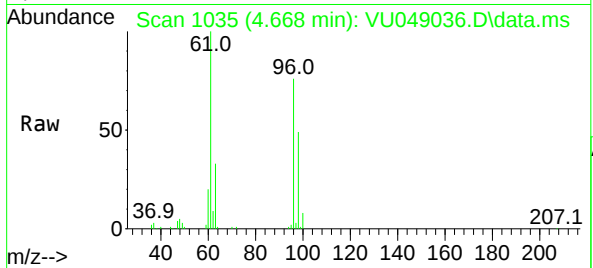




#20
cis-1,2-Dichloroethene
Concen: 8969.740 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. 0.003 min
Lab File: VU049036.D
Acq: 11 Jun 2022 07:10

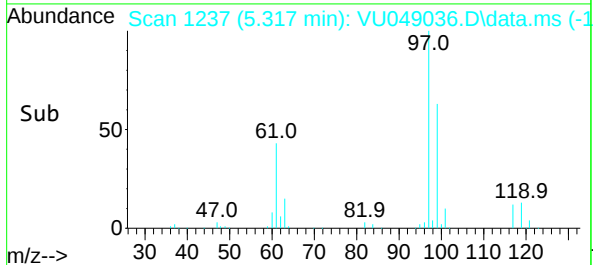
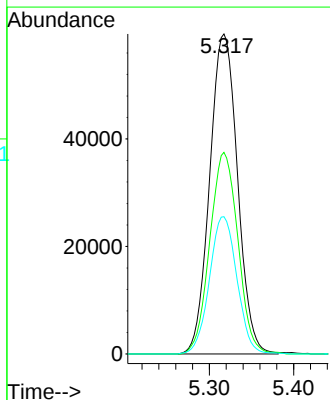
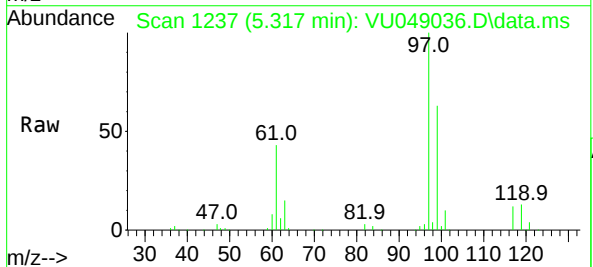
Instrument :
MSVOA_U
ClientSampleId :
EXYY5

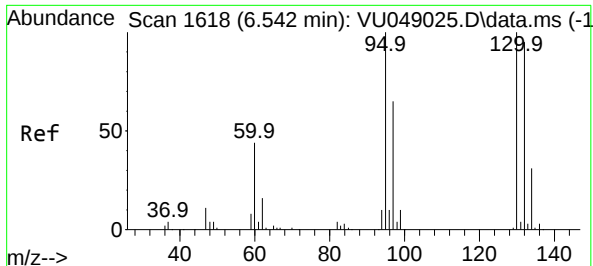
Tgt Ion: 96 Resp: 58232
Ion Ratio Lower Upper
96 100
61 132.3 91.6 170.2
68 0.0 0.0 0.0



#30
1,1,1-Trichloroethane
Concen: 6550.846 ug/L
RT: 5.317 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VU049036.D
Acq: 11 Jun 2022 07:10

Tgt Ion: 97 Resp: 136761
Ion Ratio Lower Upper
97 100
99 63.5 50.9 76.3
61 42.4 34.2 51.2

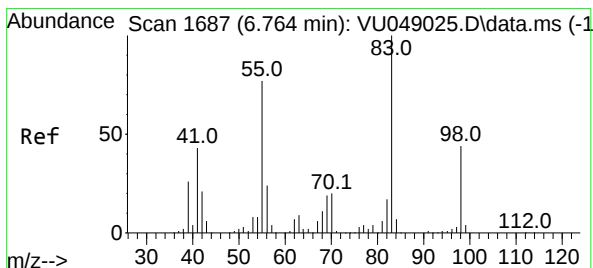
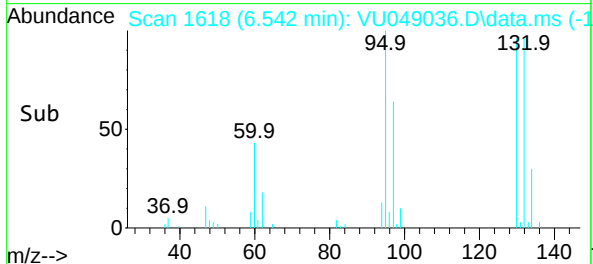
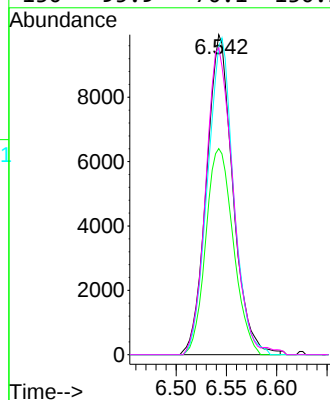
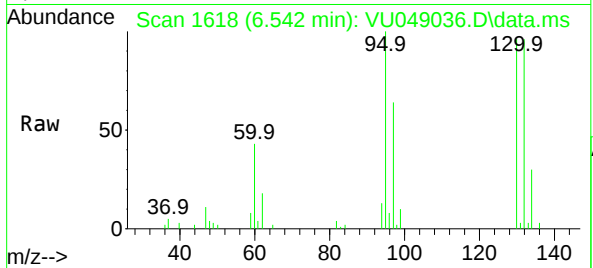




#34
Trichloroethene
Concen: 1488.904 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU049036.D
Acq: 11 Jun 2022 07:10

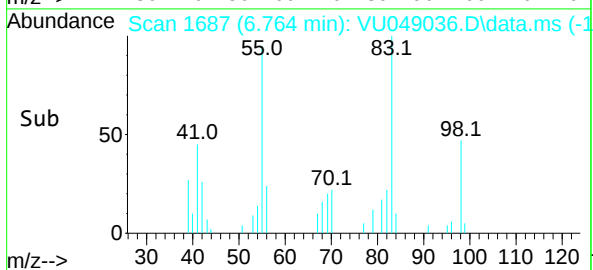
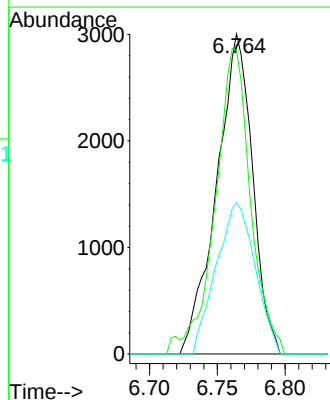
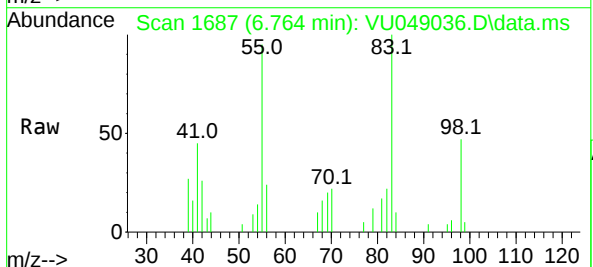
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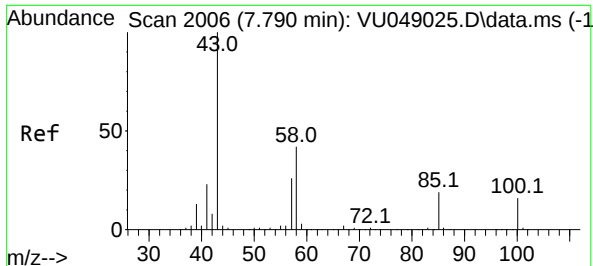
Tgt Ion: 95 Resp: 18202
Ion Ratio Lower Upper
95 100
97 64.4 45.4 84.4
132 96.3 67.6 125.6
130 95.9 70.1 130.3



#35
Methylcyclohexane
Concen: 325.122 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU049036.D
Acq: 11 Jun 2022 07:10

Tgt Ion: 83 Resp: 5548
Ion Ratio Lower Upper
83 100
55 92.2 61.0 91.6#
98 51.2 36.8 55.2





#40

4-Methyl-2-pentanone

Concen: 5.902 ug/L

RT: 7.793 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU049036.D

Acq: 11 Jun 2022 07:10

Instrument :

MSVOA_U

ClientSampleId :

EXYY5

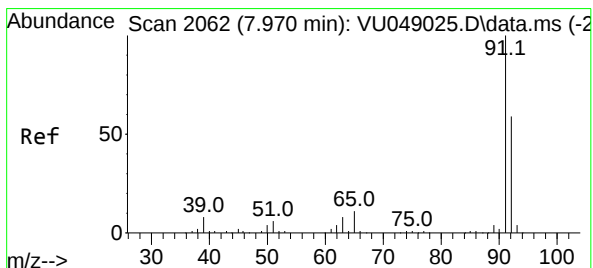
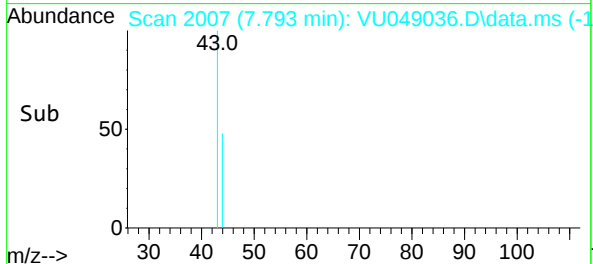
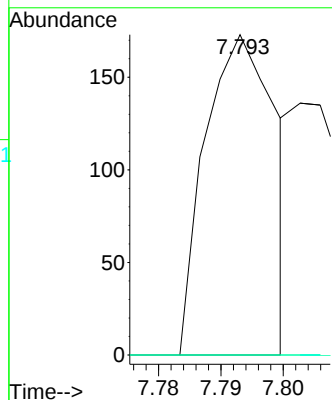
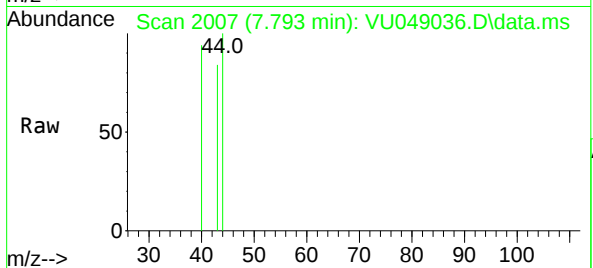
Tgt Ion: 43 Resp: 136

Ion Ratio Lower Upper

43 100

58 0.0 32.2 48.4#

100 0.0 12.3 18.5#



#42

Toluene

Concen: 99.743 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.003 min

Lab File: VU049036.D

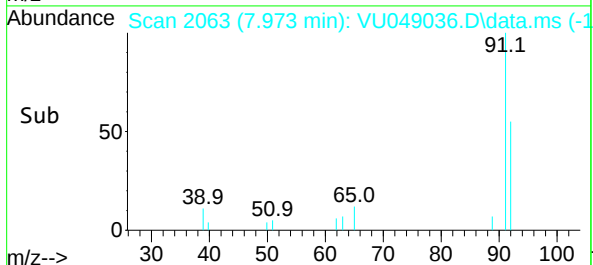
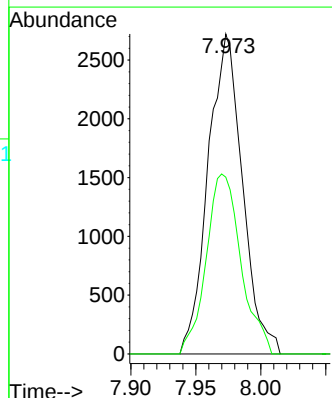
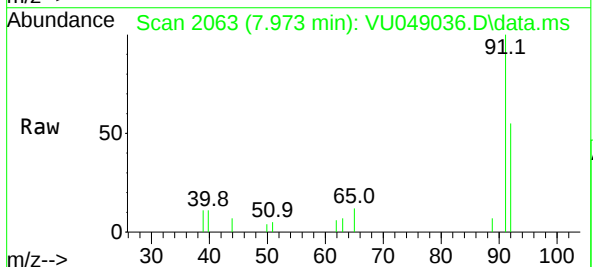
Acq: 11 Jun 2022 07:10

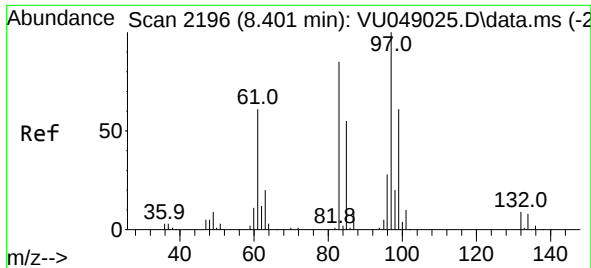
Tgt Ion: 91 Resp: 5000

Ion Ratio Lower Upper

91 100

92 55.3 41.6 77.3

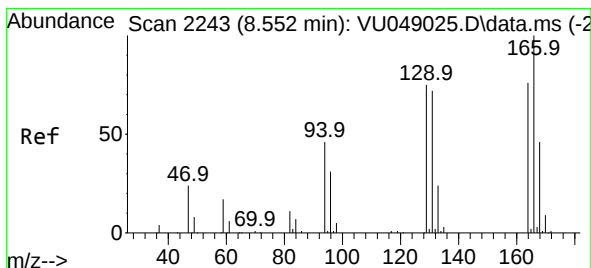
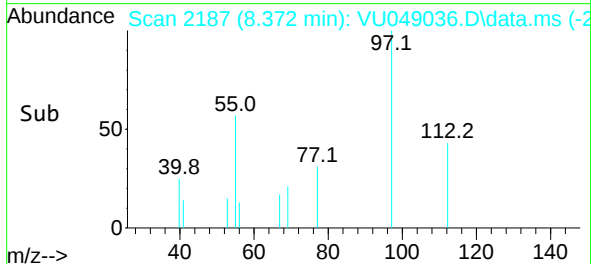
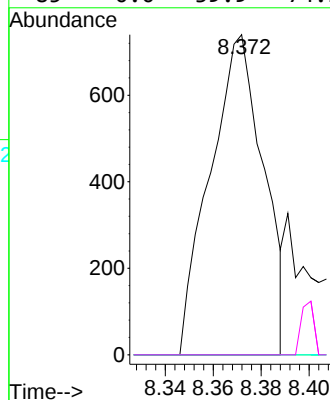
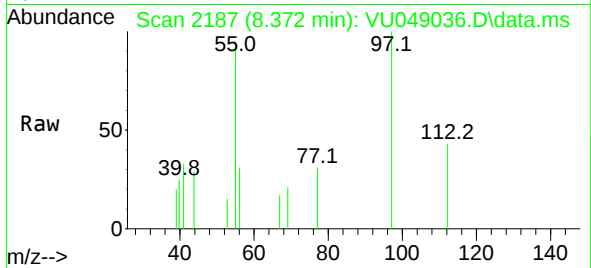




#45
1,1,2-Trichloroethane
Concen: 86.097 ug/L
RT: 8.372 min Scan# 2196
Delta R.T. -0.029 min
Lab File: VU049036.D
Acq: 11 Jun 2022 07:10

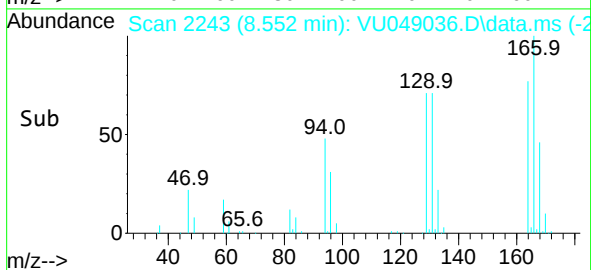
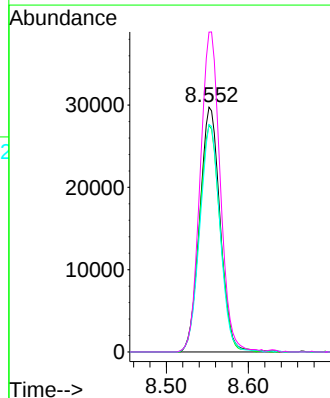
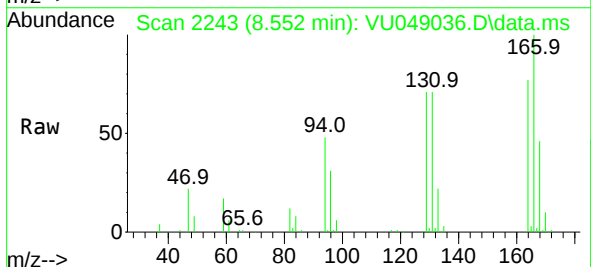
Instrument :
MSVOA_U
ClientSampleId :
EXYY5

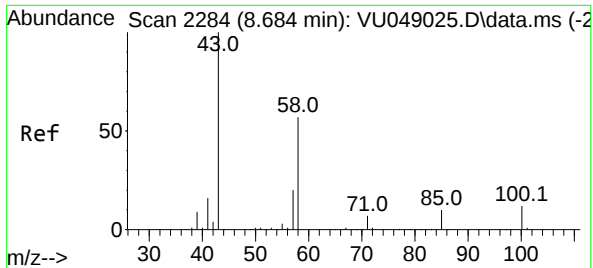
Tgt Ion: 97	Resp:	1141
Ion Ratio	Lower	Upper
97	100	
99	0.0	43.5 80.9#
83	0.0	60.3 112.1#
85	0.0	39.9 74.1#



#46
Tetrachloroethene
Concen: 5411.057 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU049036.D
Acq: 11 Jun 2022 07:10

Tgt Ion: 164	Resp:	51285
Ion Ratio	Lower	Upper
164	100	
129	92.6	70.9 131.7
131	93.0	66.2 123.0
166	130.6	88.1 163.5

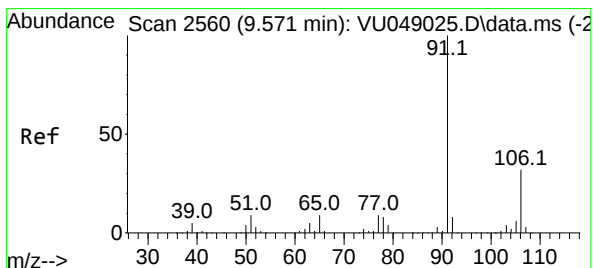
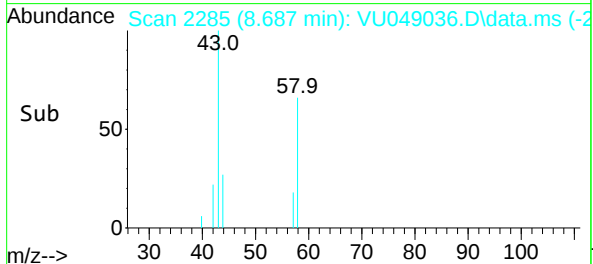
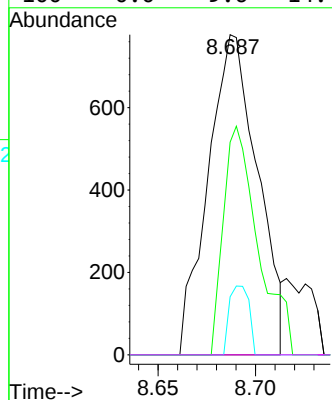
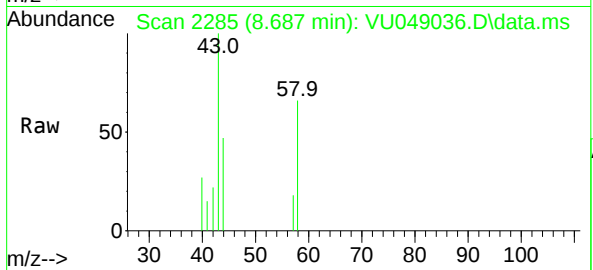




#48
2-Hexanone
Concen: 73.352 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049036.D
Acq: 11 Jun 2022 07:10

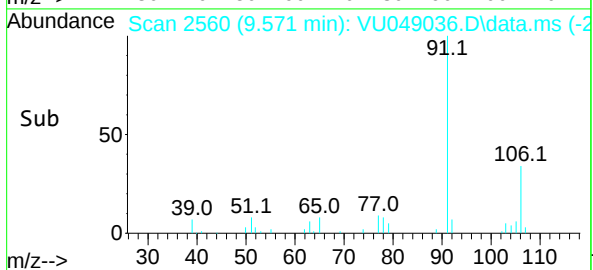
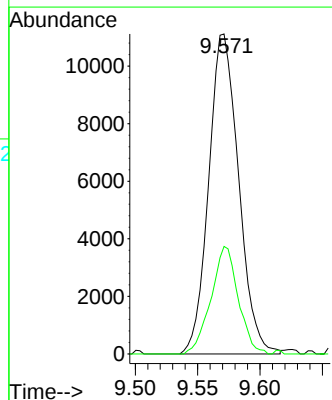
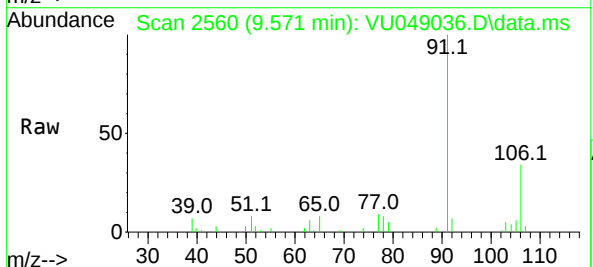
Instrument :
MSVOA_U
ClientSampleId :
EXYY5

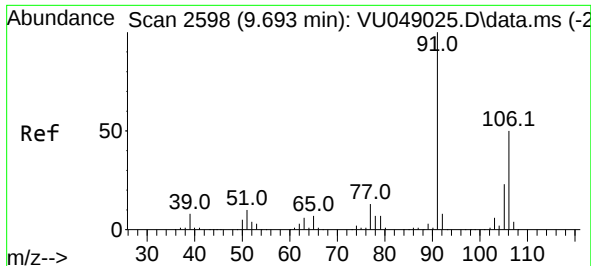
Tgt Ion: 43	Resp:	1374	
Ion	Ratio	Lower	Upper
43	100		
58	46.2	45.8	68.8
57	8.5	16.2	24.4#
100	0.0	9.6	14.4#



#52
Ethylbenzene
Concen: 340.822 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU049036.D
Acq: 11 Jun 2022 07:10

Tgt Ion: 91	Resp:	18576	
Ion Ratio	Lower	Upper	
91 100			
106 33.6	21.6	40.2	

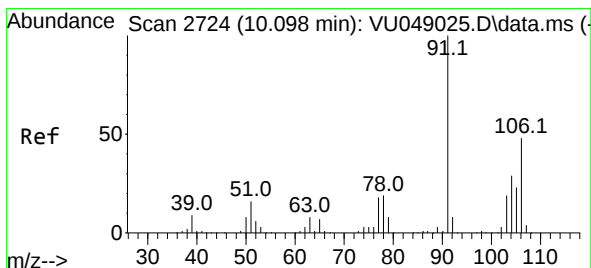
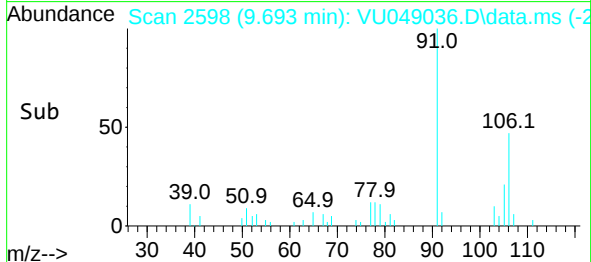
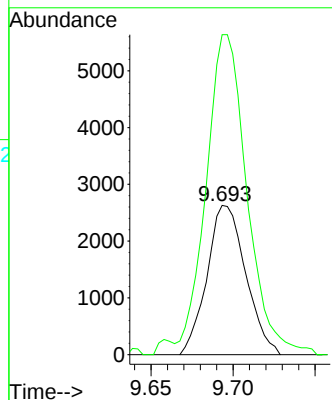
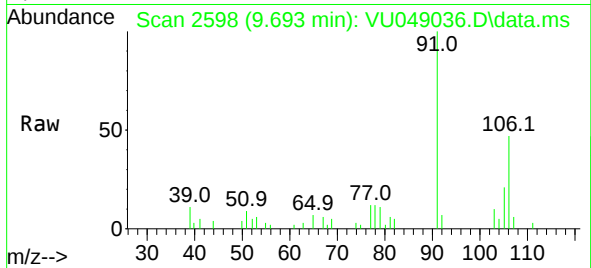




#53
m,p-Xylene
Concen: 201.369 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU049036.D
Acq: 11 Jun 2022 07:10

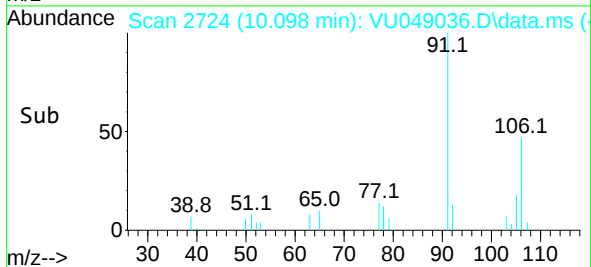
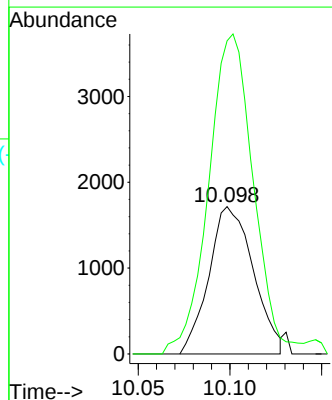
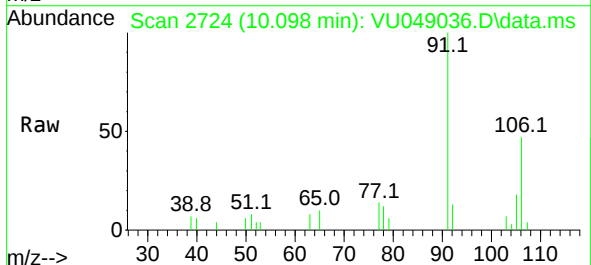
Instrument :
MSVOA_U
ClientSampleId :
EXYY5

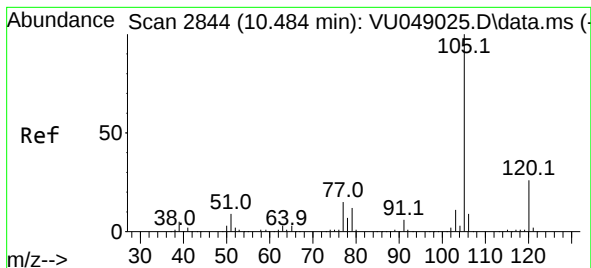
Tgt Ion:106 Resp: 4310
Ion Ratio Lower Upper
106 100
91 214.5 137.4 255.2



#54
o-Xylene
Concen: 134.110 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU049036.D
Acq: 11 Jun 2022 07:10

Tgt Ion:106 Resp: 2892
Ion Ratio Lower Upper
106 100
91 212.6 145.2 269.6





#61

Isopropylbenzene

Concen: 45.383 ug/L

RT: 10.484 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU049036.D

Acq: 11 Jun 2022 07:10

Instrument :

MSVOA_U

ClientSampleId :

EXYY5

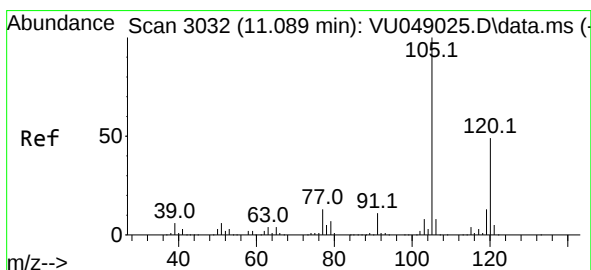
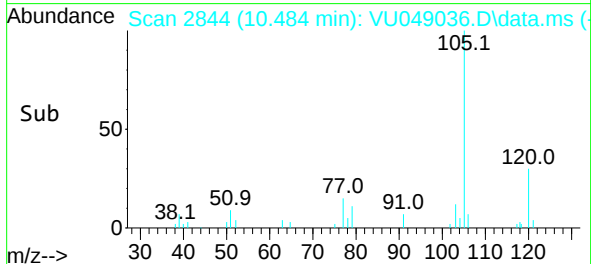
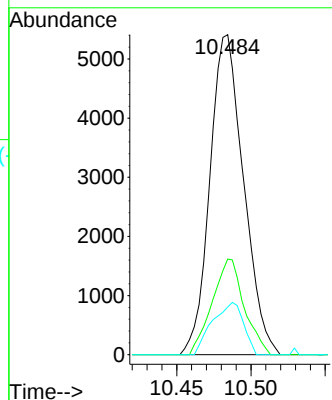
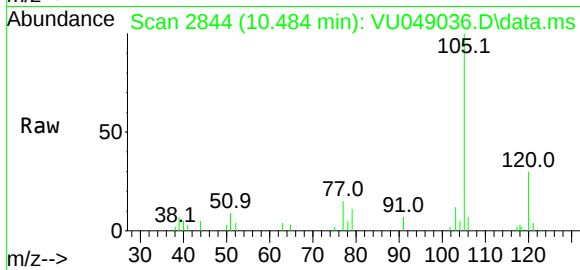
Tgt Ion:105 Resp: 8536

Ion Ratio Lower Upper

105 100

120 28.4 21.1 31.7

77 15.0 12.7 19.1



#62

1,3,5-Trimethylbenzene

Concen: 1066.207 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU049036.D

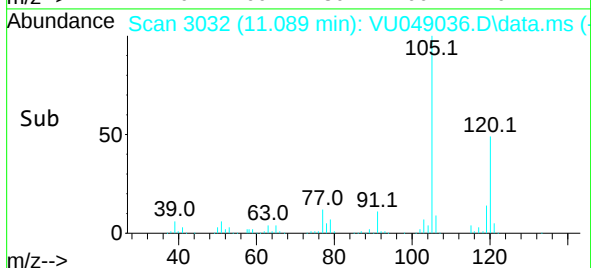
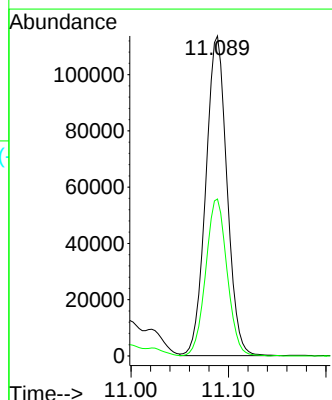
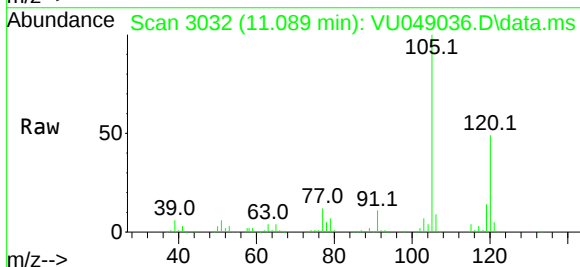
Acq: 11 Jun 2022 07:10

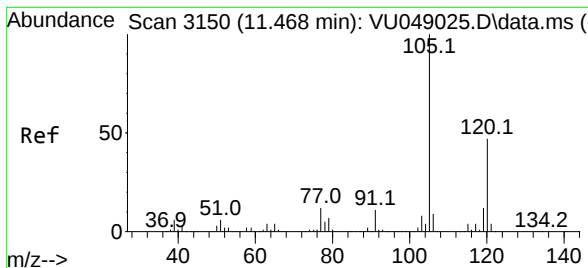
Tgt Ion:105 Resp: 171211

Ion Ratio Lower Upper

105 100

120 49.6 39.1 58.7





#63

1,2,4-Trimethylbenzene

Concen: 4263.813 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU049036.D

Acq: 11 Jun 2022 07:10

Instrument :

MSVOA_U

ClientSampleId :

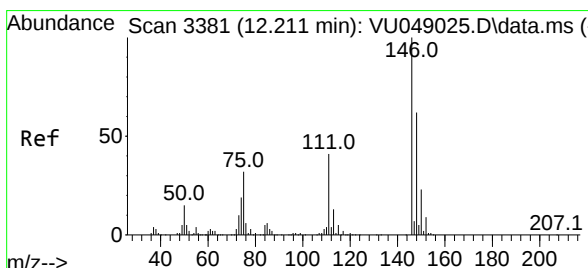
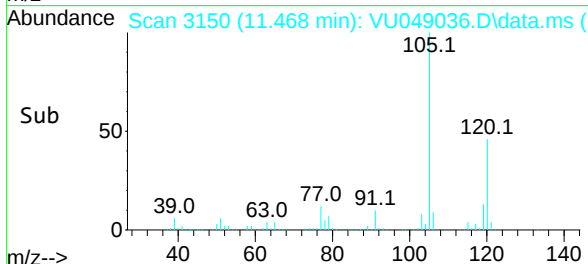
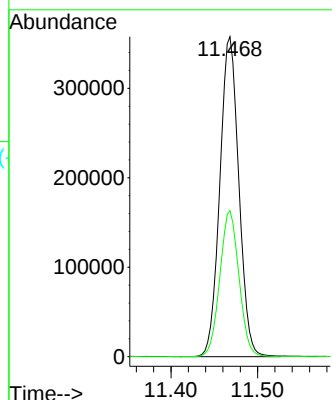
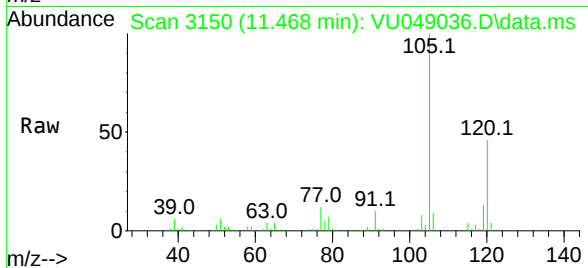
EXYY5

Tgt Ion:105 Resp: 545106

Ion Ratio Lower Upper

105 100

120 46.0 36.3 54.5



#67

1,2-Dichlorobenzene

Concen: 49.368 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. 0.003 min

Lab File: VU049036.D

Acq: 11 Jun 2022 07:10

Tgt Ion:146 Resp: 4727

Ion Ratio Lower Upper

146 100

111 40.8 33.9 50.9

148 59.3 50.2 75.2

