

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122222\
 Data File : VU052488.D
 Acq On : 22 Dec 2022 13:55
 Operator : JC/MD
 Sample : N6170-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQB7

Quant Time: Dec 23 00:31:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 22 00:28:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.246	114	195832	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	184476	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	100935	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	69868	3.522	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.400%
7) Chloroethane-d5	1.915	69	63535	3.713	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.200%
11) 1,1-Dichloroethene-d2	2.568	65	30308	3.550	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.000%
20) 2-Butanone-d5	4.632	46	267459	43.472	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.940%
24) Chloroform-d	5.060	84	126592	3.782	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.600%
26) 1,2-Dichloroethane-d4	5.700	65	73516	3.786	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.800%
32) Benzene-d6	5.726	84	261190	4.130	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.600%
36) 1,2-Dichloropropane-d6	6.687	67	90428	4.153	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.000%
41) Toluene-d8	7.893	98	281119	5.295	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.800%
43) trans-1,3-Dichloroprop...	8.176	79	42212	5.662	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	113.200%
46) 2-Hexanone-d5	8.629	63	208726	51.173	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.340%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	80815	4.372	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.400%
66) 1,2-Dichlorobenzene-d4	12.188	152	92027	4.478	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.600%
Target Compounds						
					Qvalue	
13) Acetone	2.652	43	93001	20.505	ug/L	98
14) Carbon disulfide	2.793	76	36479	0.772	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	32640	2.159	ug/L	95
21) 2-Butanone	4.716	43	118808	17.786	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	218201	13.154	ug/L	95
30) Cyclohexane	5.388	56	4610806	183.768	ug/L	93
34) Trichloroethene	6.542	95	10017	0.645	ug/L	92
35) Methylcyclohexane	6.764	83	7559694	322.731	ug/L	96
42) Toluene	7.967	91	83214	1.306	ug/L	100
47) Tetrachloroethene	8.549	164	7131	0.658	ug/L	95
52) Ethylbenzene	9.565	91	1083717	16.437	ug/L	99
53) m,p-Xylene	9.690	106	3258769	134.041	ug/L	98
54) o-Xylene	10.095	106	20113	0.863	ug/L	93
60) Isopropylbenzene	10.481	105	747341	11.424	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	1659470	30.757	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	6036585	111.139	ug/L	100

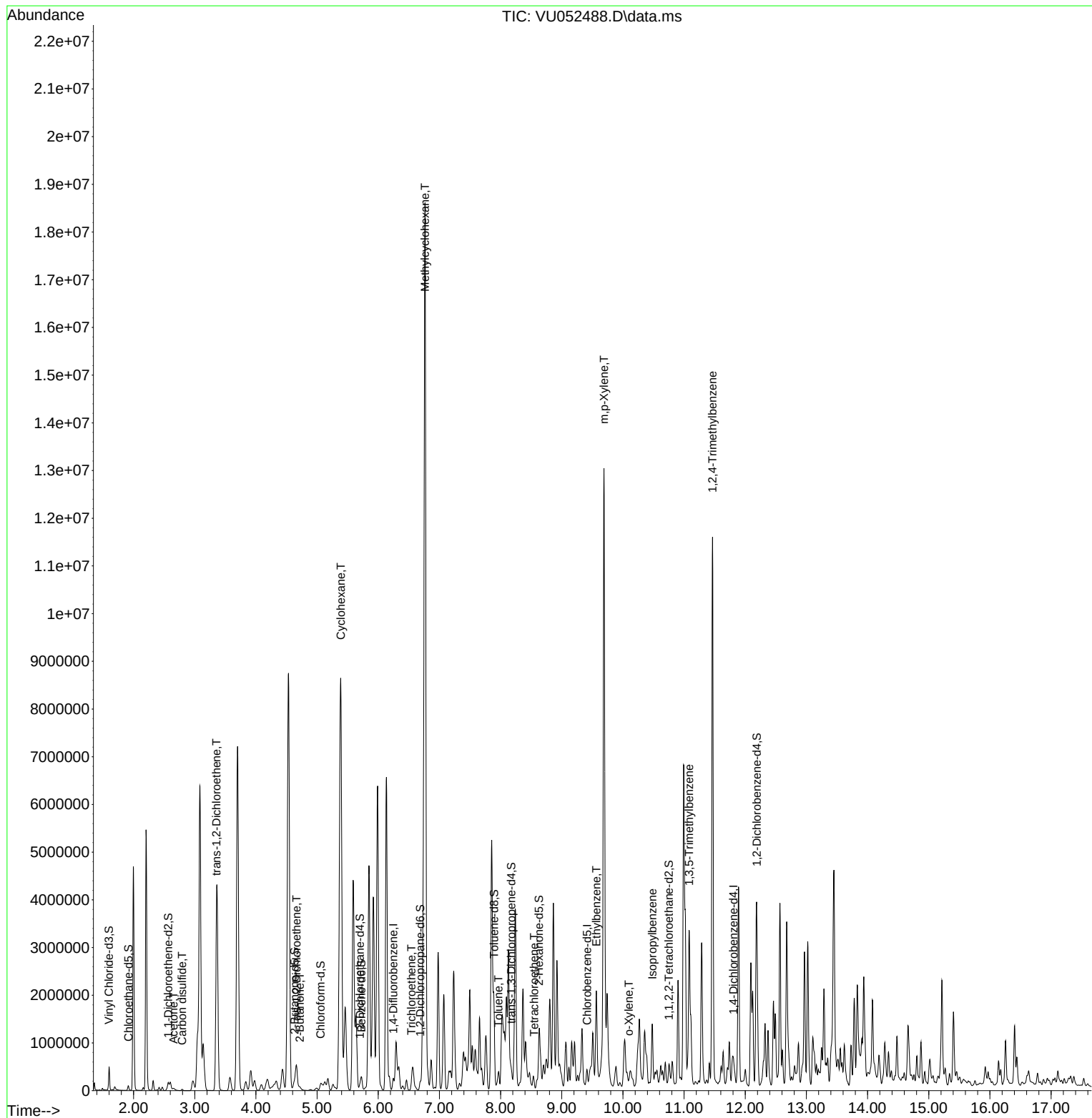
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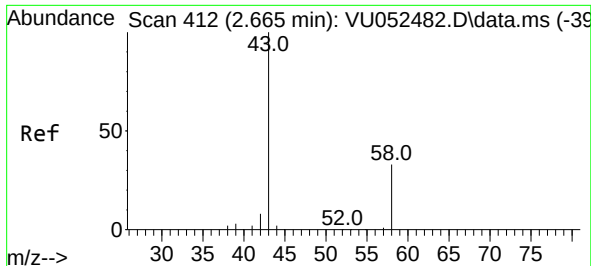
Instrument :
MSVOA_U
ClientSampleId :
GBQB7

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QLast Update : Thu Dec 22 00:28:27 2022
Response via : Initial Calibration





#13

Acetone

Concen: 20.505 ug/L

RT: 2.652 min Scan# 408

Delta R.T. -0.029 min

Lab File: VU052488.D

Acq: 22 Dec 2022 13:55

Instrument :

MSVOA_U

ClientSampleId :

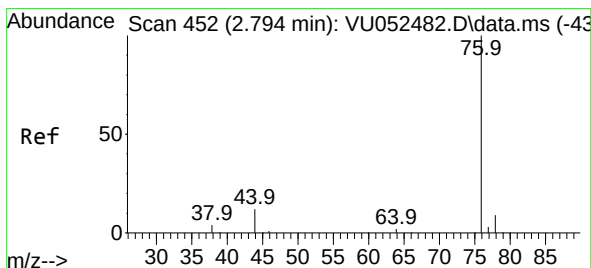
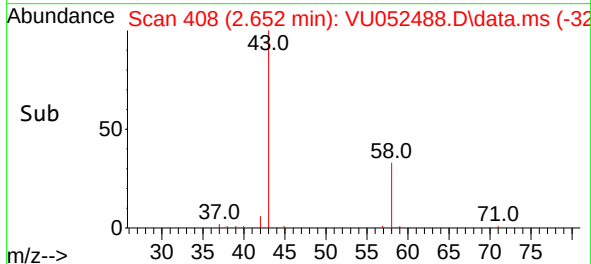
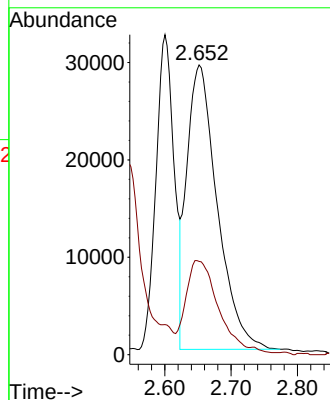
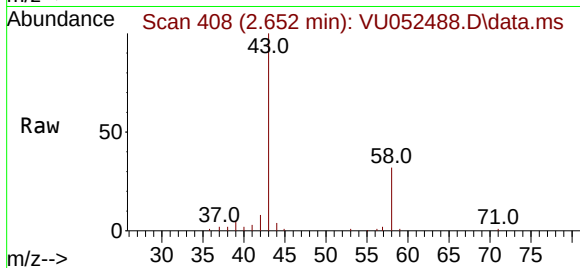
GBQB7

Tgt Ion: 43 Resp: 93001

Ion Ratio Lower Upper

43 100

58 31.5 0.0 65.4



#14

Carbon disulfide

Concen: 0.772 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.000 min

Lab File: VU052488.D

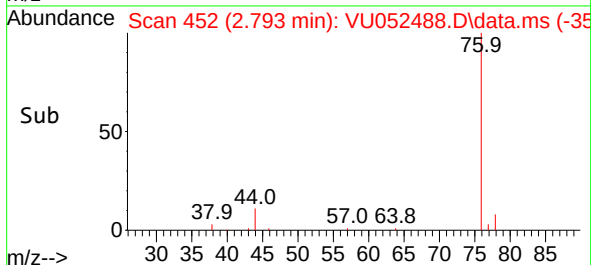
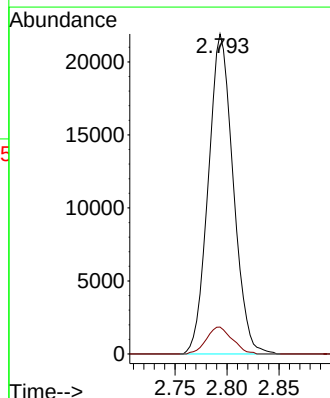
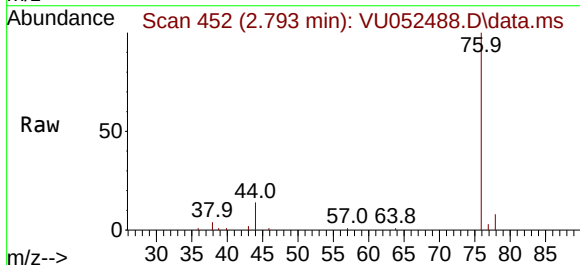
Acq: 22 Dec 2022 13:55

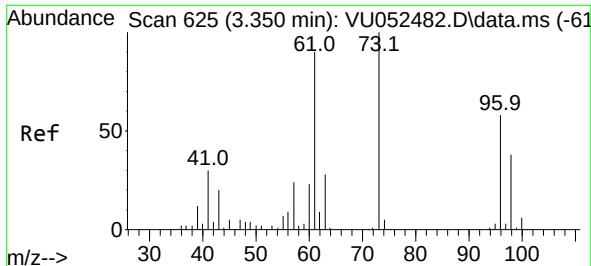
Tgt Ion: 76 Resp: 36479

Ion Ratio Lower Upper

76 100

78 8.4 7.1 10.7

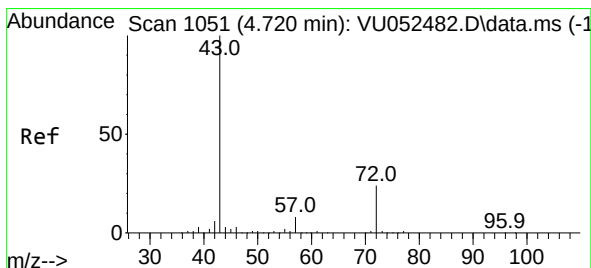
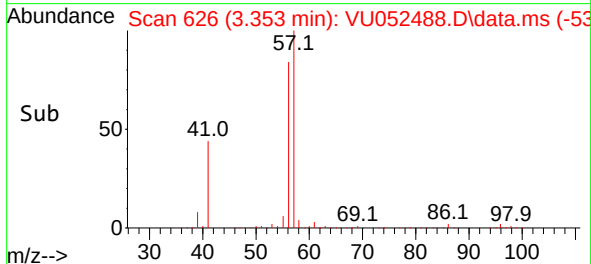
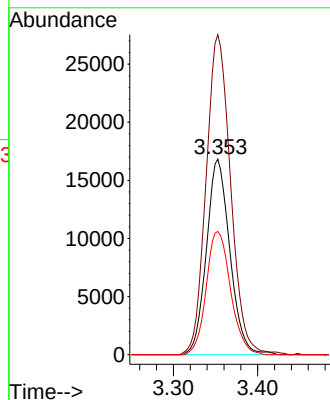
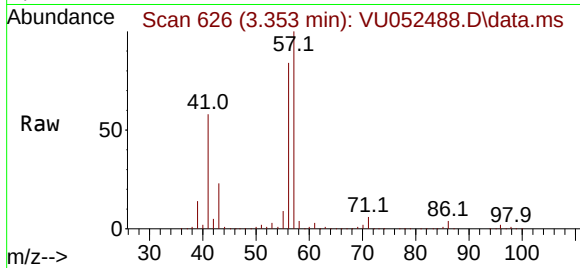




#18
trans-1,2-Dichloroethene
Concen: 2.159 ug/L
RT: 3.353 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU052488.D
Acq: 22 Dec 2022 13:55

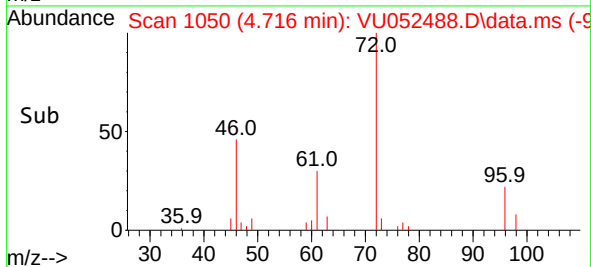
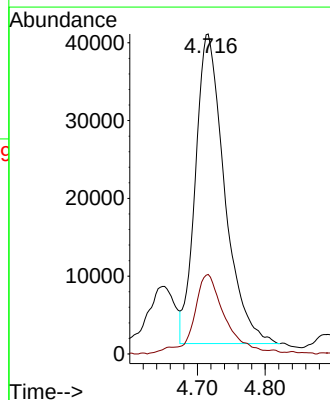
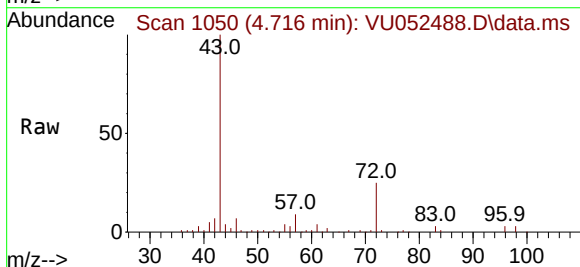
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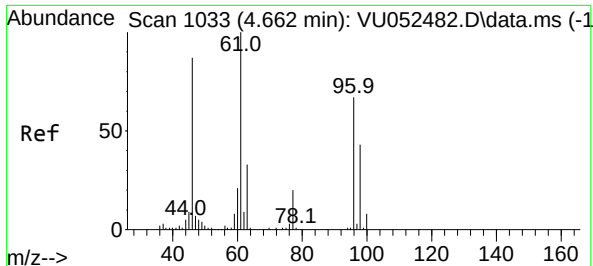
Tgt Ion: 96 Resp: 32640
Ion Ratio Lower Upper
96 100
61 163.7 108.3 201.1
98 63.0 44.0 81.6



#21
2-Butanone
Concen: 17.786 ug/L
RT: 4.716 min Scan# 1050
Delta R.T. -0.013 min
Lab File: VU052488.D
Acq: 22 Dec 2022 13:55

Tgt Ion: 43 Resp: 118808
Ion Ratio Lower Upper
43 100
72 24.4 11.6 34.7

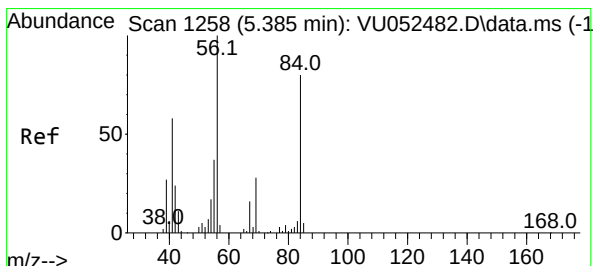
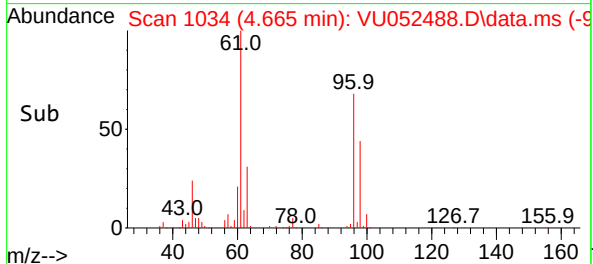
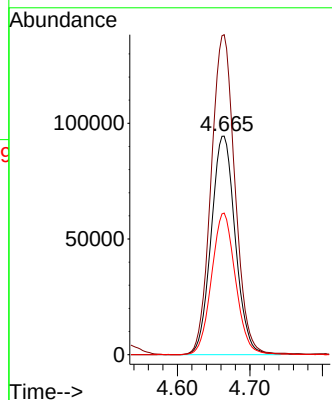
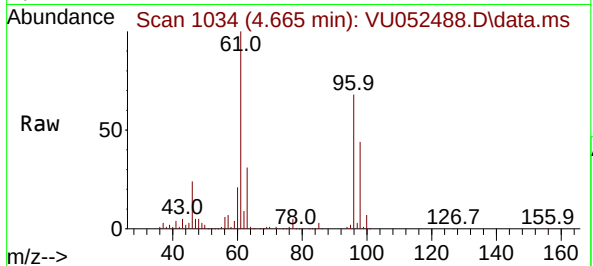




#22
 cis-1,2-Dichloroethene
 Concen: 13.154 ug/L
 RT: 4.665 min Scan# 1033
 Delta R.T. -0.000 min
 Lab File: VU052488.D
 Acq: 22 Dec 2022 13:55

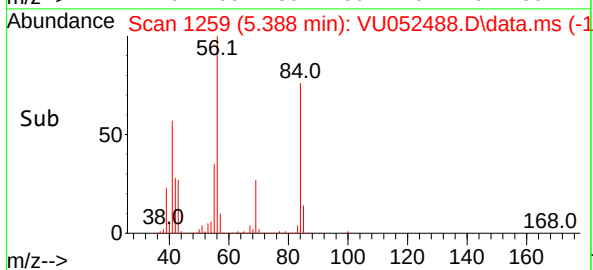
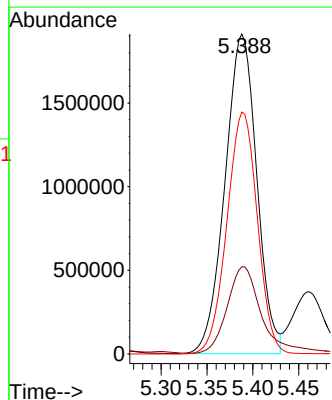
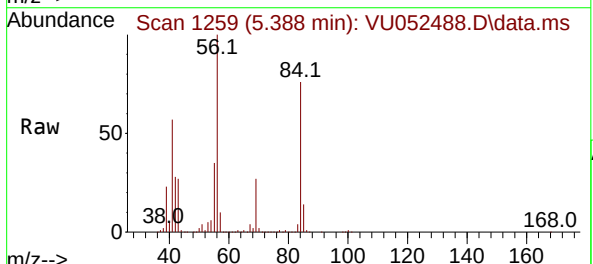
Instrument :
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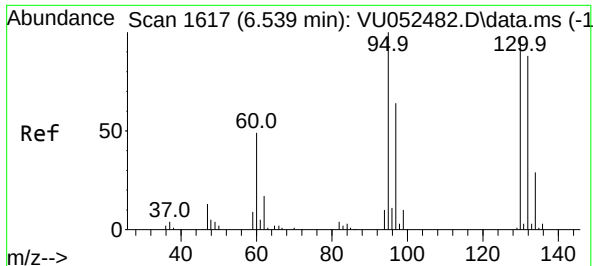
Tgt Ion: 96 Resp: 218201
 Ion Ratio Lower Upper
 96 100
 61 146.5 96.9 180.1
 98 64.8 44.7 83.1



#30
 Cyclohexane
 Concen: 183.768 ug/L
 RT: 5.388 min Scan# 1259
 Delta R.T. -0.000 min
 Lab File: VU052488.D
 Acq: 22 Dec 2022 13:55

Tgt Ion: 56 Resp: 4610806
 Ion Ratio Lower Upper
 56 100
 69 30.3 23.0 34.6
 84 72.6 64.4 96.6

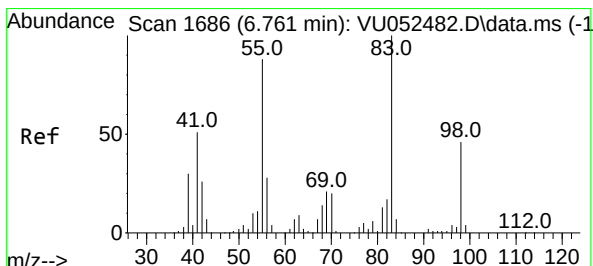
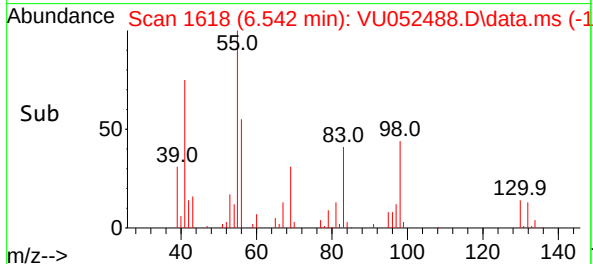
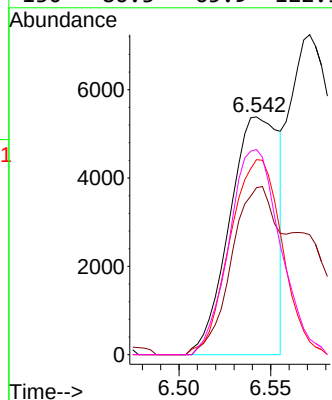
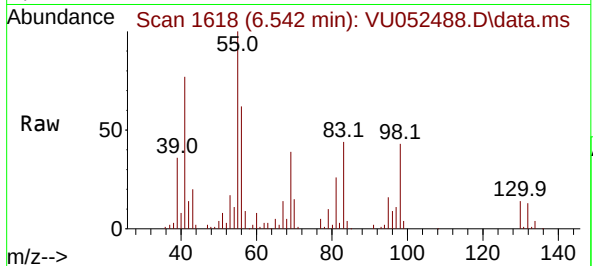




#34
Trichloroethene
Concen: 0.645 ug/L
RT: 6.542 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU052488.D
Acq: 22 Dec 2022 13:55

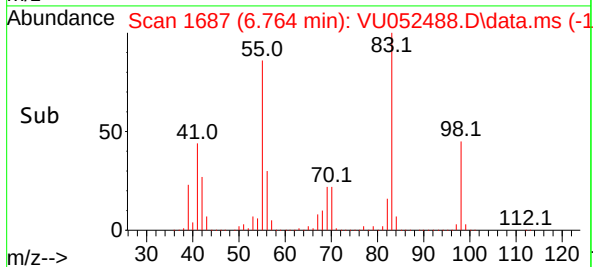
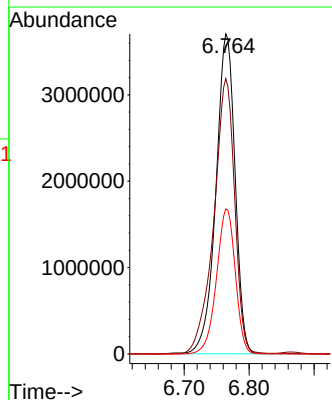
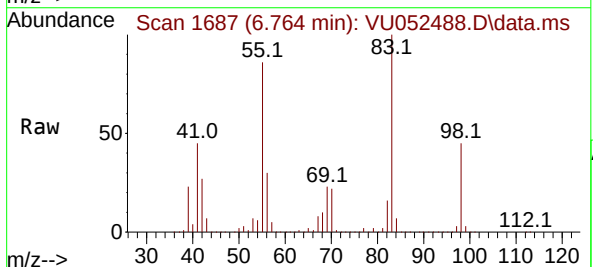
Instrument :
MSVOA_U
ClientSampleId :
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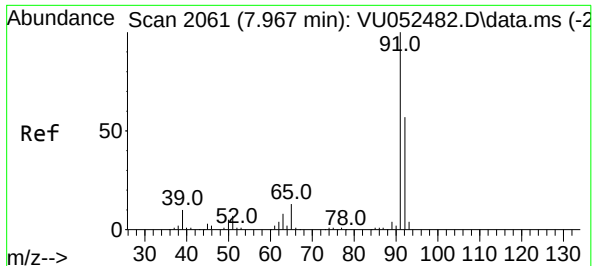
Tgt Ion: 95 Resp: 10017
Ion Ratio Lower Upper
95 100
97 70.3 46.3 86.1
132 82.0 63.9 118.7
130 86.3 65.9 122.5



#35
Methylcyclohexane
Concen: 322.731 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.003 min
Lab File: VU052488.D
Acq: 22 Dec 2022 13:55

Tgt Ion: 83 Resp: 7559694
Ion Ratio Lower Upper
83 100
55 93.9 71.4 107.0
98 44.7 36.5 54.7





#42

Toluene

Concen: 1.306 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052488.D

Acq: 22 Dec 2022 13:55

Instrument :

MSVOA_U

ClientSampleId :

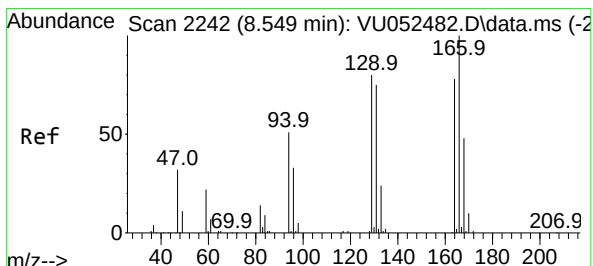
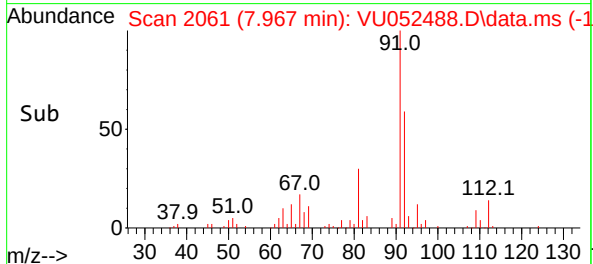
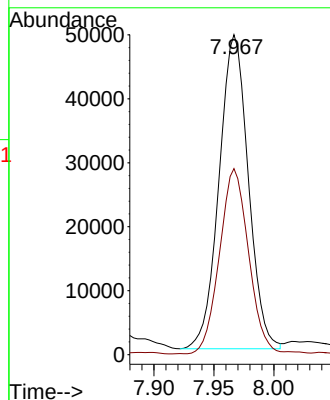
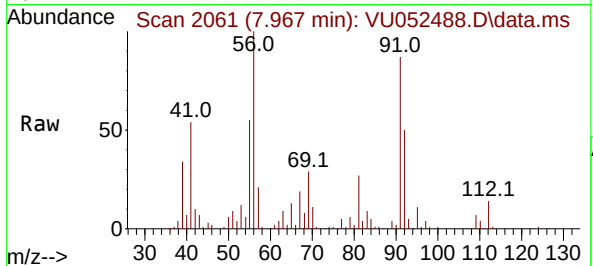
GBQB7

Tgt Ion: 91 Resp: 83214

Ion Ratio Lower Upper

91 100

92 58.1 40.6 75.4



#47

Tetrachloroethene

Concen: 0.658 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.004 min

Lab File: VU052488.D

Acq: 22 Dec 2022 13:55

Tgt Ion: 164 Resp: 7131

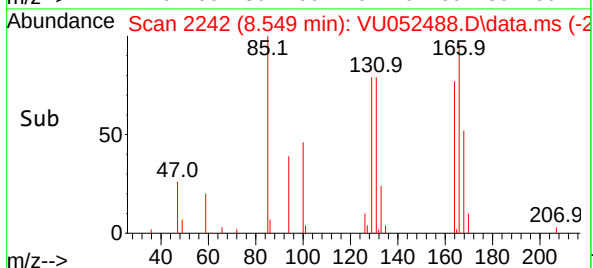
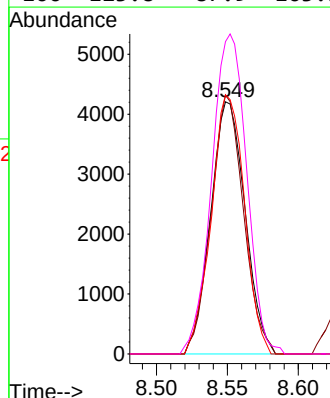
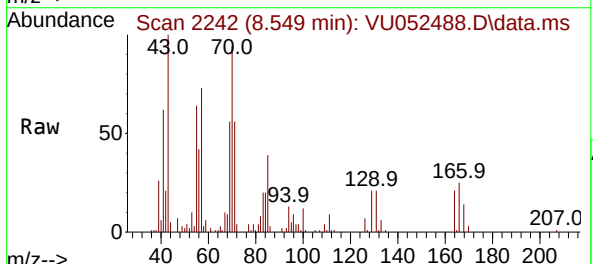
Ion Ratio Lower Upper

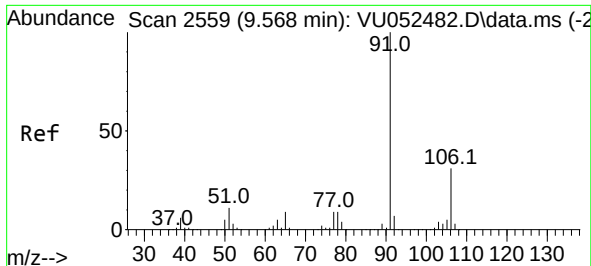
164 100

129 102.7 68.1 126.5

131 102.8 66.5 123.5

166 123.8 87.9 163.3

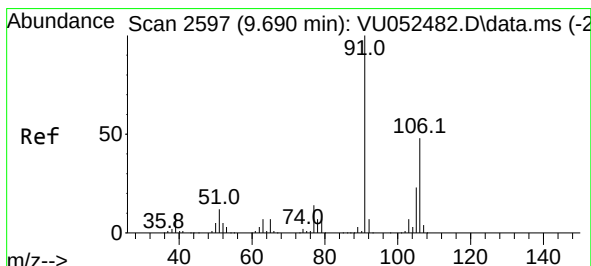
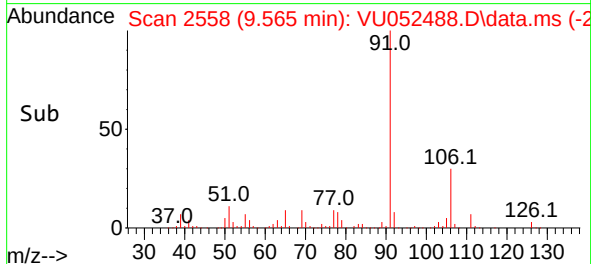
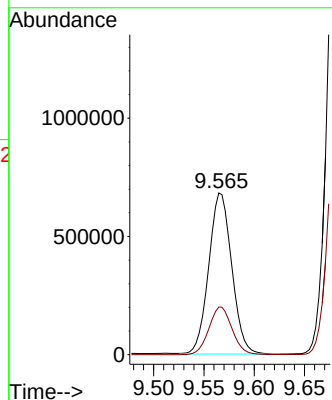
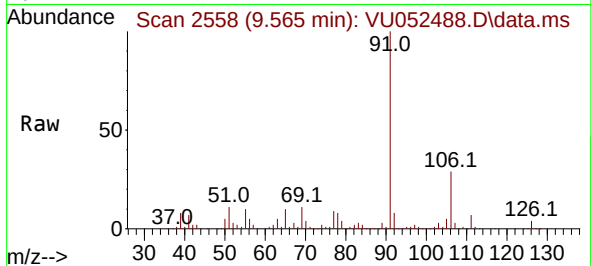




#52
Ethylbenzene
Concen: 16.437 ug/L
RT: 9.565 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU052488.D
Acq: 22 Dec 2022 13:55

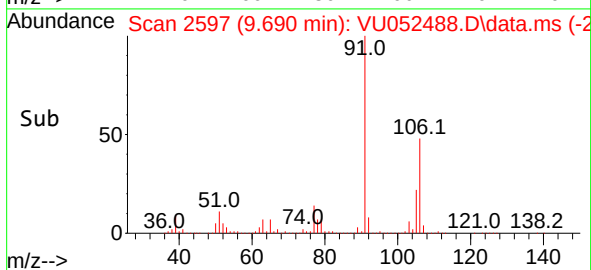
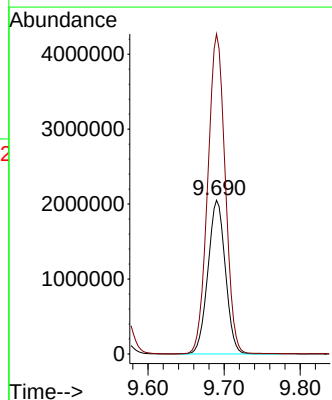
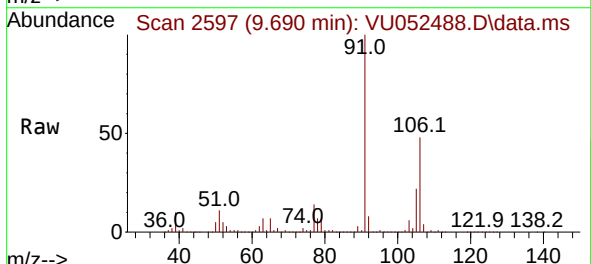
Instrument :
MSVOA_U
ClientSampleId :
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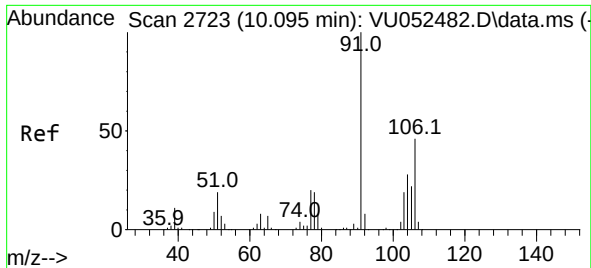
Tgt Ion: 91 Resp: 1083717
Ion Ratio Lower Upper
91 100
106 29.4 20.9 38.7



#53
m,p-Xylene
Concen: 134.041 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052488.D
Acq: 22 Dec 2022 13:55

Tgt Ion: 106 Resp: 3258769
Ion Ratio Lower Upper
106 100
91 208.2 148.2 275.2

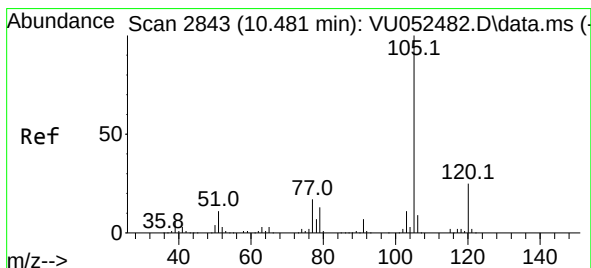
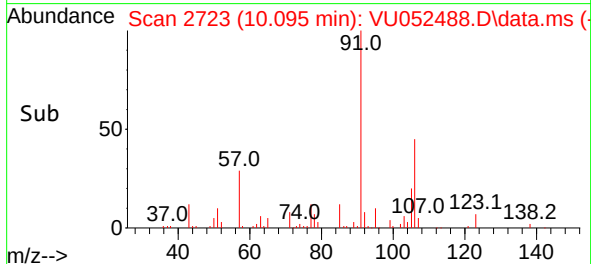
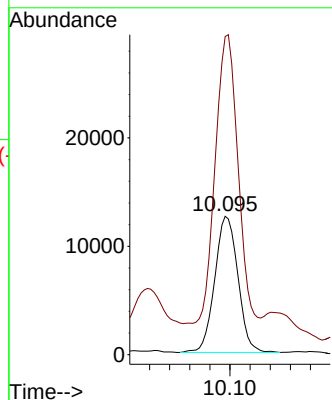
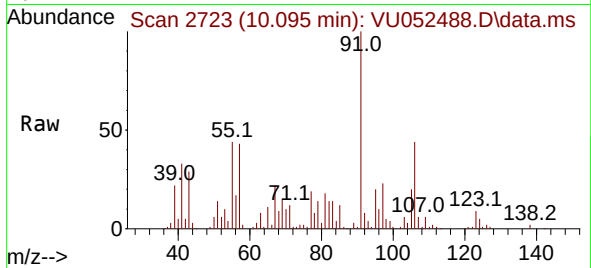




#54
o-Xylene
Concen: 0.863 ug/L
RT: 10.095 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052488.D
Acq: 22 Dec 2022 13:55

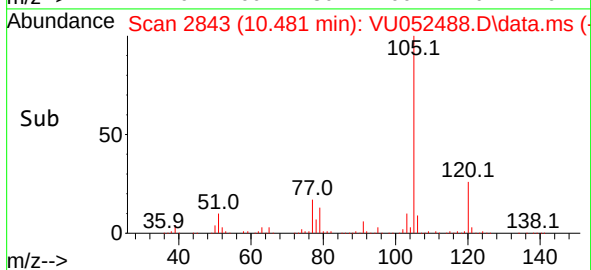
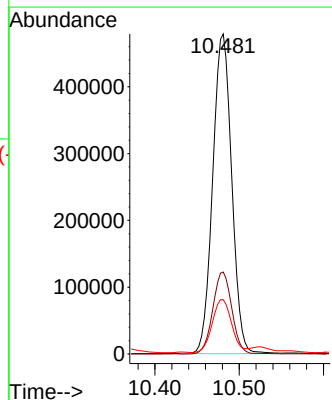
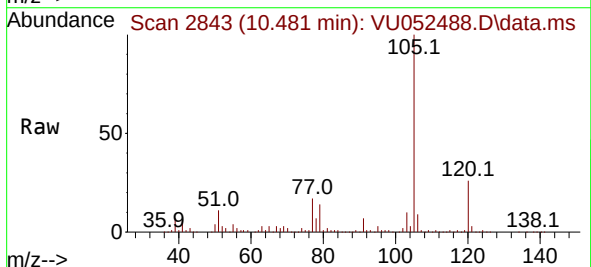
Instrument :
MSVOA_U
ClientSampleId :
GBQB7

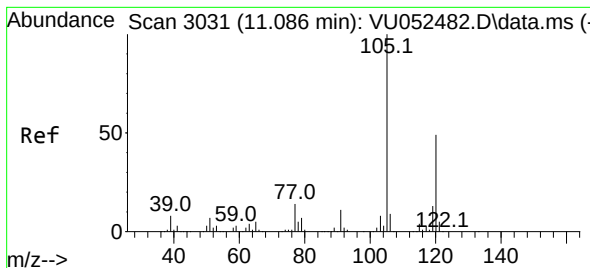
Tgt Ion:106 Resp: 20113
Ion Ratio Lower Upper
106 100
91 229.7 153.2 284.4



#60
Isopropylbenzene
Concen: 11.424 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU052488.D
Acq: 22 Dec 2022 13:55

Tgt Ion:105 Resp: 747341
Ion Ratio Lower Upper
105 100
120 25.5 20.6 31.0
77 16.8 13.8 20.8





#62

1,3,5-Trimethylbenzene

Concen: 30.757 ug/L

RT: 11.082 min Scan# 3031

Delta R.T. -0.003 min

Lab File: VU052488.D

Acq: 22 Dec 2022 13:55

Instrument :

MSVOA_U

ClientSampleId :

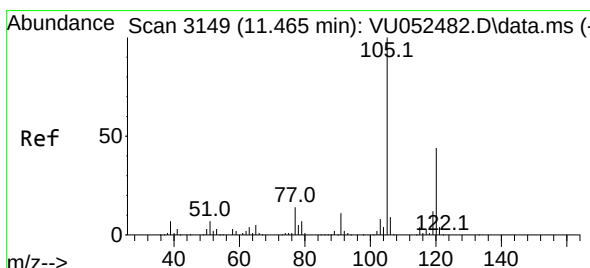
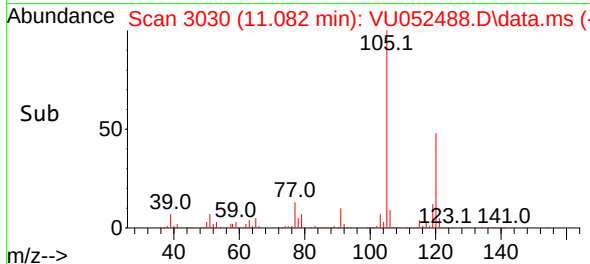
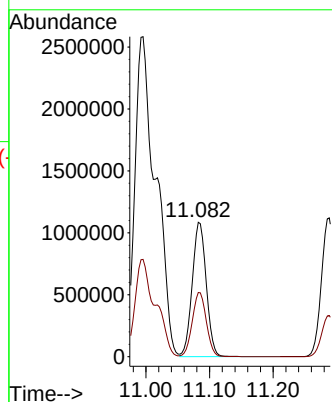
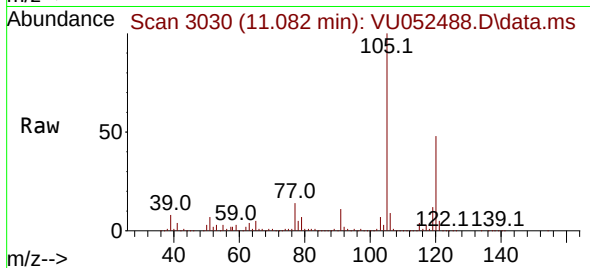
GBQB7

Tgt Ion:105 Resp: 1659470

Ion Ratio Lower Upper

105 100

120 48.0 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 111.139 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU052488.D

Acq: 22 Dec 2022 13:55

Tgt Ion:105 Resp: 6036585

Ion Ratio Lower Upper

105 100

120 44.6 35.6 53.4

