

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
 Data File : VU046095.D
 Acq On : 04 Dec 2021 15:58
 Operator : SY/MD
 Sample : M4942-07
 Misc : 7.42g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BGKQ9

Quant Time: Dec 05 08:16:10 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	6.250	114	317982	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.430	117	307060	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	149727	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	76698	29.281	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	58.560%#
7) Chloroethane-d5	1.916	69	49691	24.708	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	49.420%#
11) 1,1-Dichloroethene-d2	2.539	63	69748	14.833	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	29.660%#
21) 2-Butanone-d5	4.668	46	125279	60.164	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	60.160%
24) Chloroform-d	5.070	84	139003	31.778	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	63.560%#
26) 1,2-Dichloroethane-d4	5.706	65	92673	31.569	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	63.140%#
32) Benzene-d6	5.723	84	301754	34.287	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	68.580%#
36) 1,2-Dichloropropane-d6	6.694	67	94531	34.658	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	69.320%#
41) Toluene-d8	7.903	98	288281	35.976	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.960%#
43) trans-1,3-Dichloroprop...	8.185	79	46944	35.653	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.300%
47) 2-Hexanone-d5	8.694	63	95607	73.929	ug/L	0.06
Spiked Amount	100.000	Range	45 - 130	Recovery	=	73.930%
56) 1,1,2,2-Tetrachloroeth...	10.777	84	129083	31.206	ug/L	0.02
Spiked Amount	50.000	Range	65 - 120	Recovery	=	62.420%#
66) 1,2-Dichlorobenzene-d4	12.201	152	101292	35.128	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	70.260%#

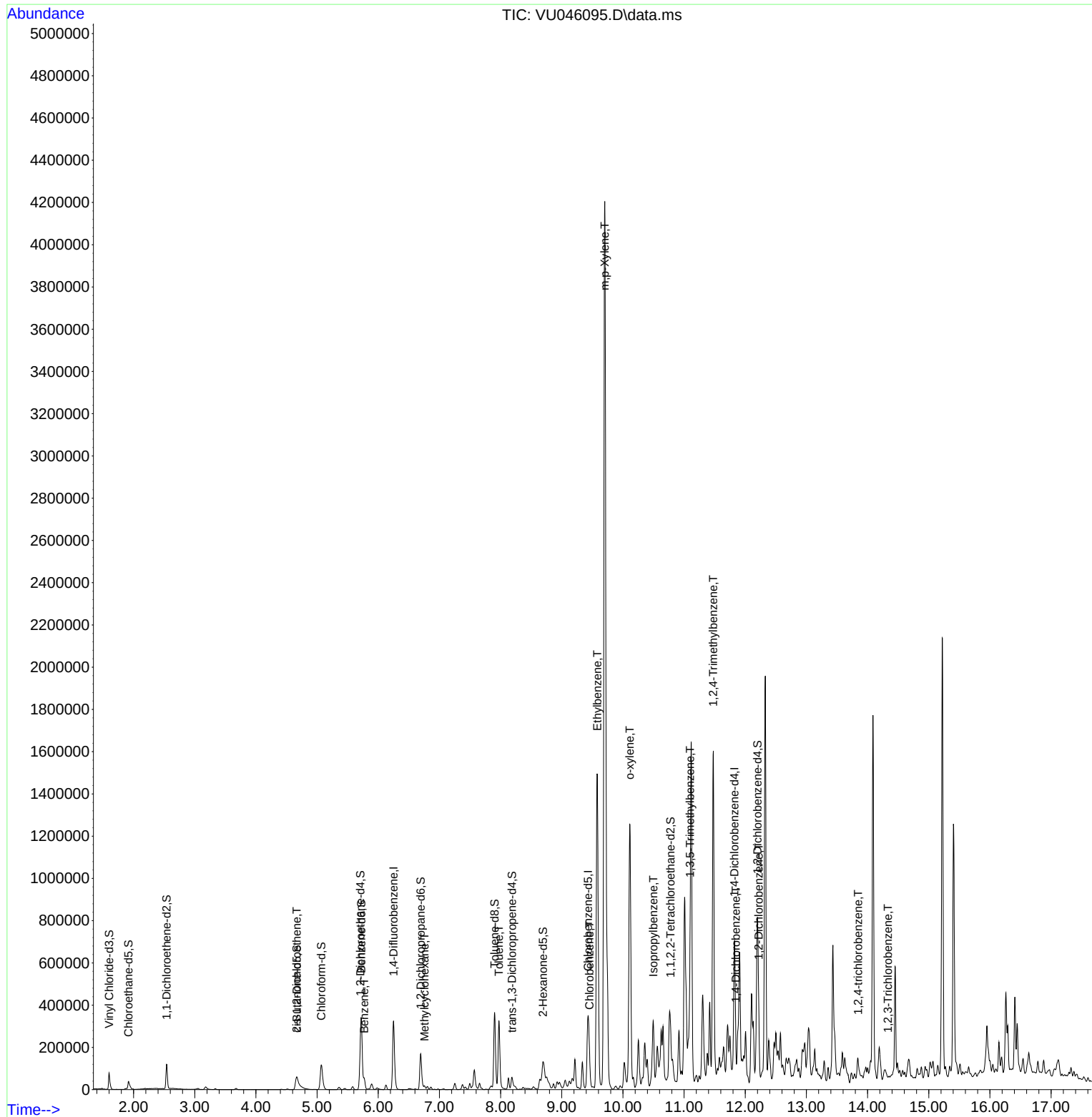
Target Compounds					Qvalue
20) cis-1,2-Dichloroethene	4.668	96	17246	6.831	ug/L 95
33) Benzene	5.771	78	52649	5.665	ug/L 100
35) Methylcyclohexane	6.758	83	6730	1.773	ug/L # 85
42) Toluene	7.973	91	284379	28.517	ug/L 99
51) Chlorobenzene	9.456	112	6812	1.056	ug/L # 81
52) Ethylbenzene	9.581	91	1462508	136.273	ug/L 98
53) m,p-Xylene	9.703	106	1632404	390.021	ug/L 98
54) o-xylene	10.111	106	433943	106.850	ug/L 96
61) Isopropylbenzene	10.497	105	251739	25.841	ug/L 100
62) 1,3,5-Trimethylbenzene	11.099	105	299083	36.833	ug/L 98
63) 1,2,4-Trimethylbenzene	11.478	105	888665	109.389	ug/L 99
65) 1,4-Dichlorobenzene	11.848	146	6347	1.327	ug/L # 55
67) 1,2-Dichlorobenzene	12.221	146	66366	14.242	ug/L 99
70) 1,2,4-trichlorobenzene	13.844	180	10015	3.347	ug/L # 84
72) 1,2,3-Trichlorobenzene	14.333	180	3322	1.089	ug/L # 49

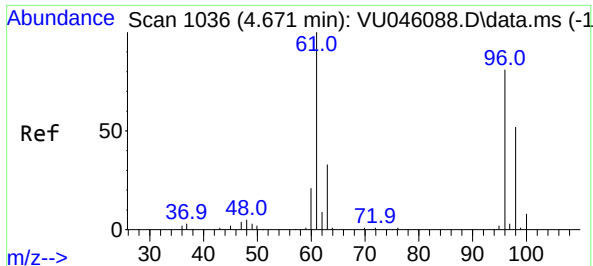
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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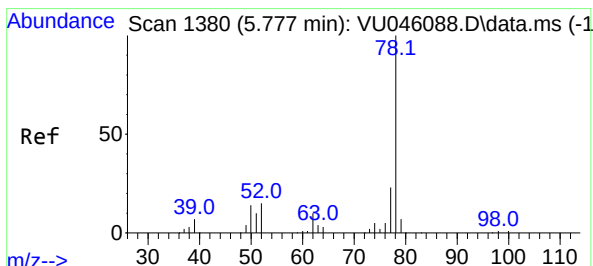
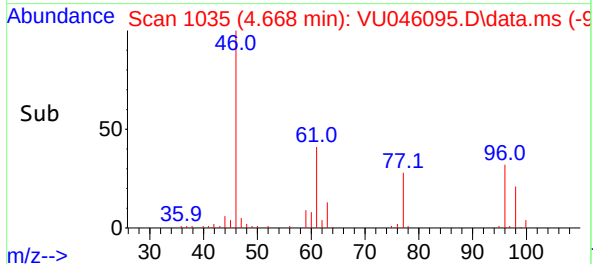
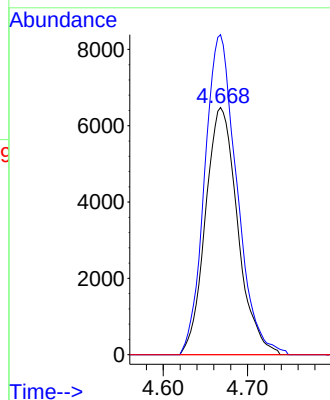
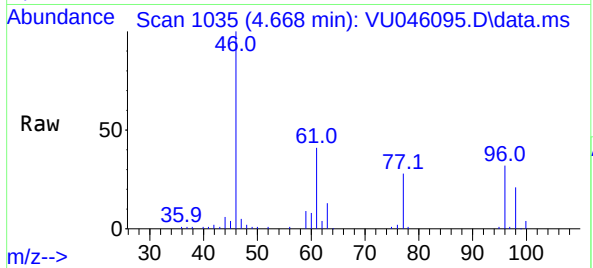




#20
cis-1,2-Dichloroethene
Concen: 6.831 ug/L
RT: 4.668 min Scan# 1036
Delta R.T. -0.003 min
Lab File: VU046095.D
Acq: 04 Dec 2021 15:58

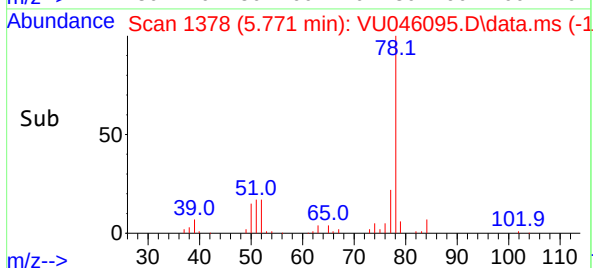
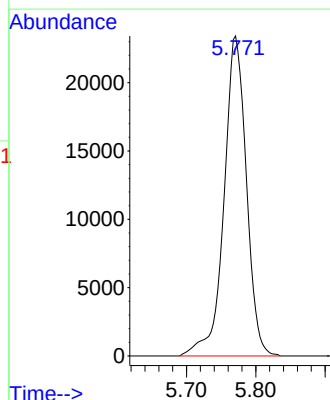
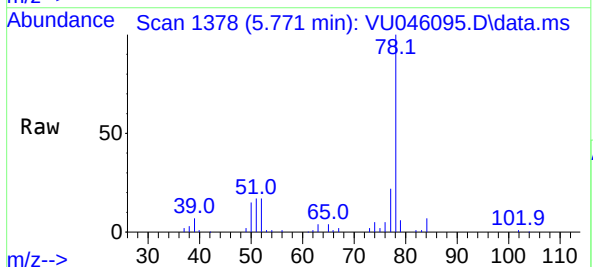
Instrument :
MSVOA_U
ClientSampleId :
BGKQ9

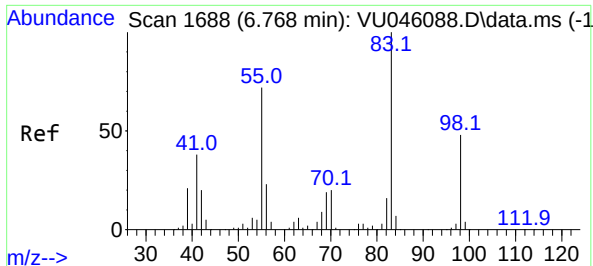
Tgt Ion: 96 Resp: 17246
Ion Ratio Lower Upper
96 100
61 129.4 86.8 161.2
68 0.0 0.0 0.0



#33
Benzene
Concen: 5.665 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.010 min
Lab File: VU046095.D
Acq: 04 Dec 2021 15:58

Tgt Ion: 78 Resp: 52649

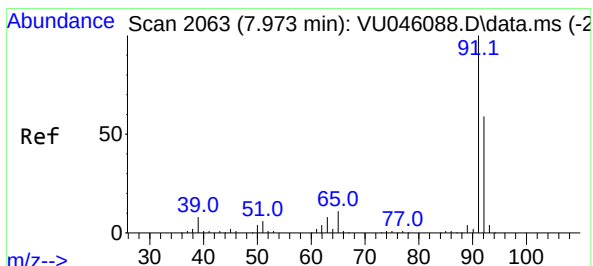
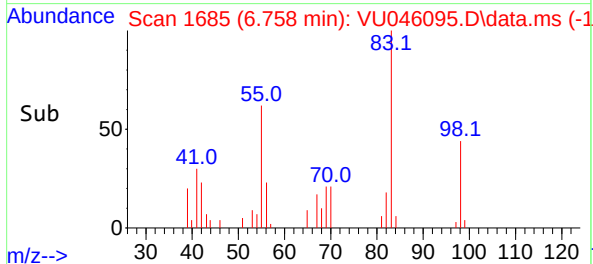
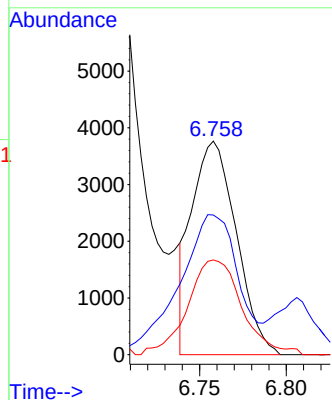
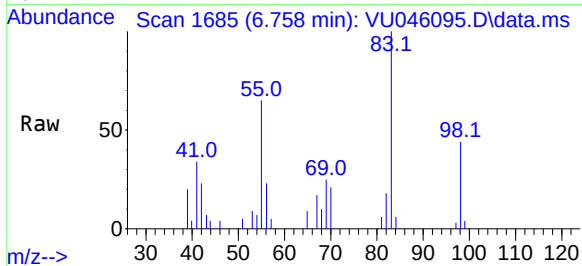




#35
Methylcyclohexane
Concen: 1.773 ug/L
RT: 6.758 min Scan# 1
Delta R.T. -0.010 min
Lab File: VU046095.D
Acq: 04 Dec 2021 15:58

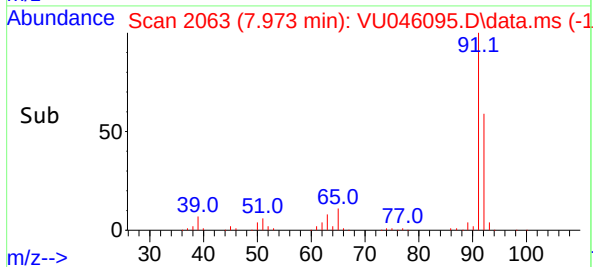
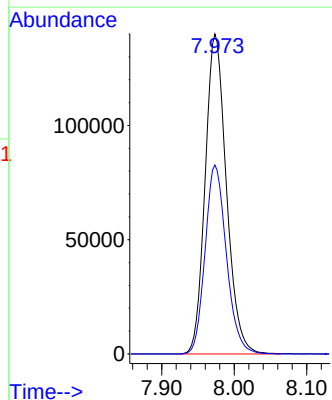
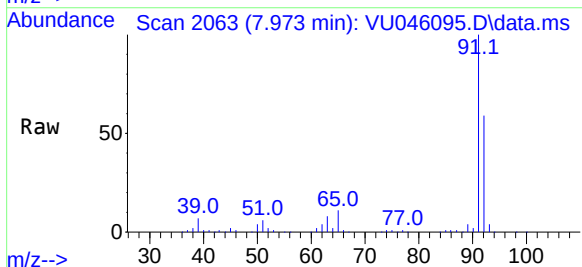
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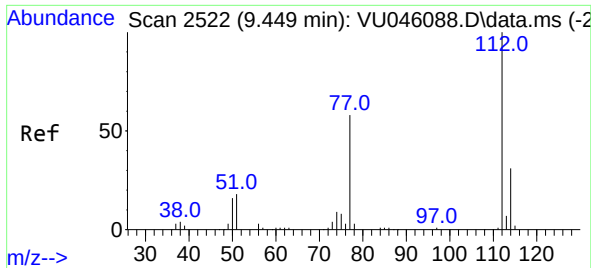
Tgt Ion: 83 Resp: 6730
Ion Ratio Lower Upper
83 100
55 89.0 57.8 86.6#
98 53.4 38.4 57.6



#42
Toluene
Concen: 28.517 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU046095.D
Acq: 04 Dec 2021 15:58

Tgt Ion: 91 Resp: 284379
Ion Ratio Lower Upper
91 100
92 59.0 41.9 77.7

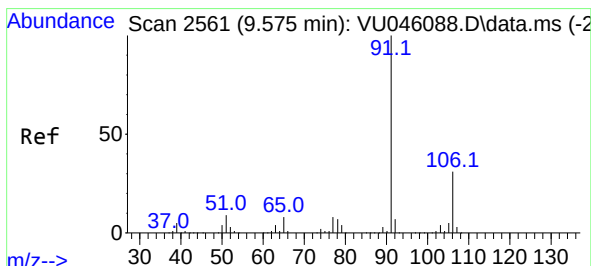
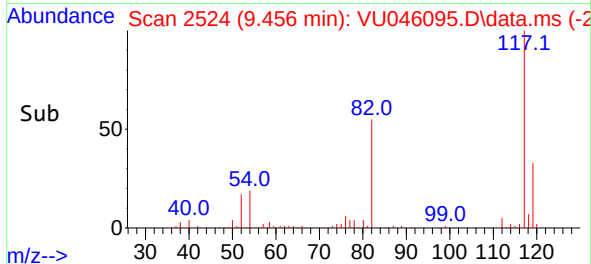
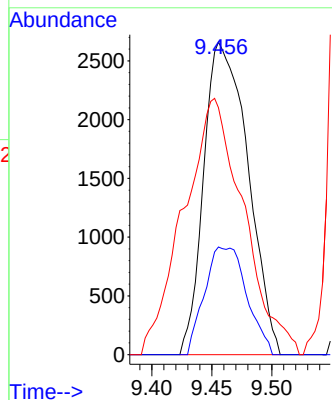
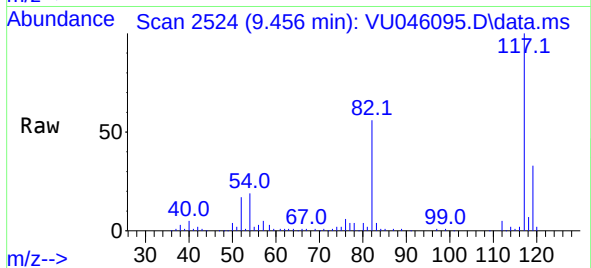




#51
Chlorobenzene
Concen: 1.056 ug/L
RT: 9.456 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU046095.D
Acq: 04 Dec 2021 15:58

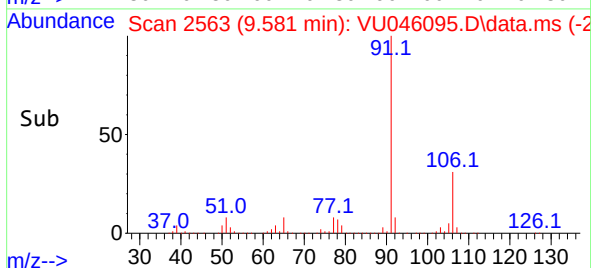
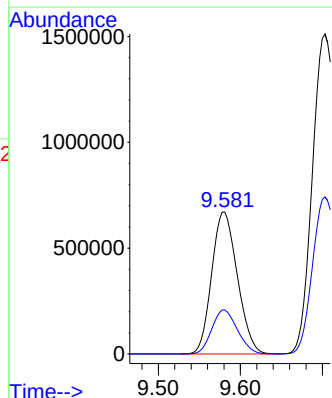
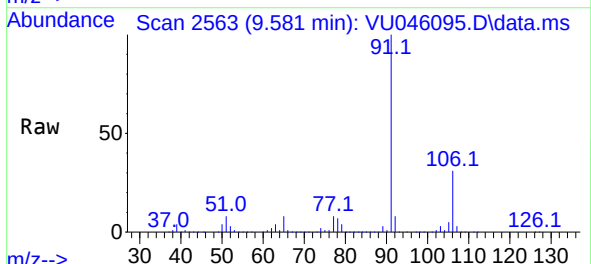
Instrument :
MSVOA_U
ClientSampleId :
BGKQ9

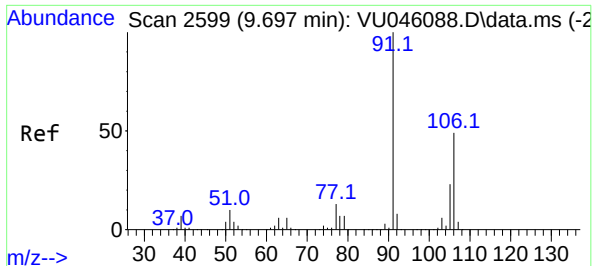
Tgt Ion:112 Resp: 6812
Ion Ratio Lower Upper
112 100
114 34.4 22.2 41.2
77 79.0 47.4 71.0#



#52
Ethylbenzene
Concen: 136.273 ug/L
RT: 9.581 min Scan# 2563
Delta R.T. 0.006 min
Lab File: VU046095.D
Acq: 04 Dec 2021 15:58

Tgt Ion: 91 Resp: 1462508
Ion Ratio Lower Upper
91 100
106 31.0 21.1 39.3

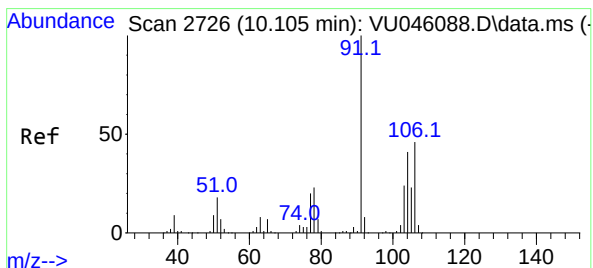
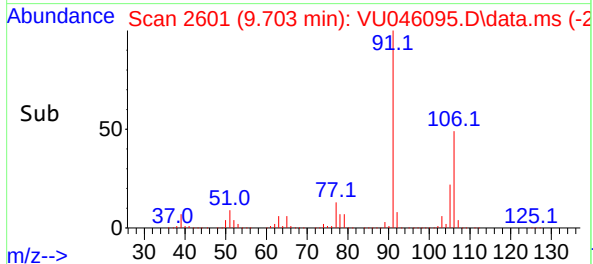
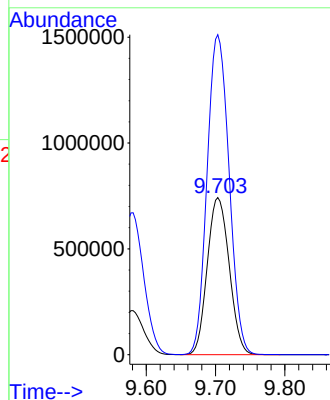
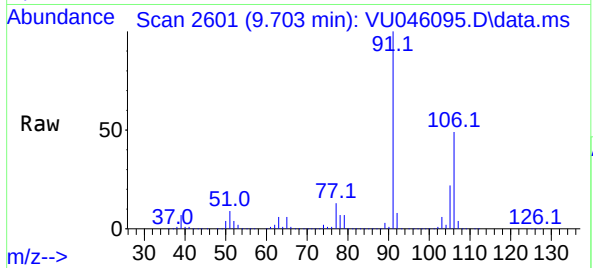




#53
m,p-Xylene
Concen: 390.021 ug/L
RT: 9.703 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU046095.D
Acq: 04 Dec 2021 15:58

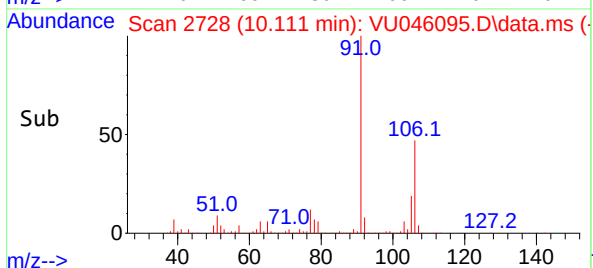
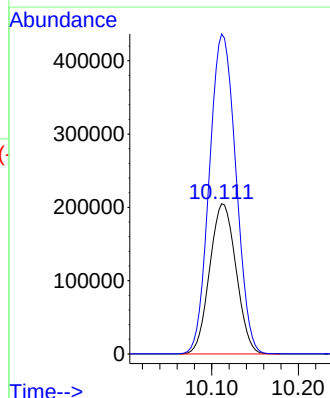
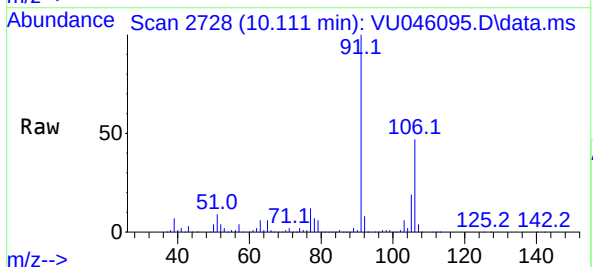
Instrument :
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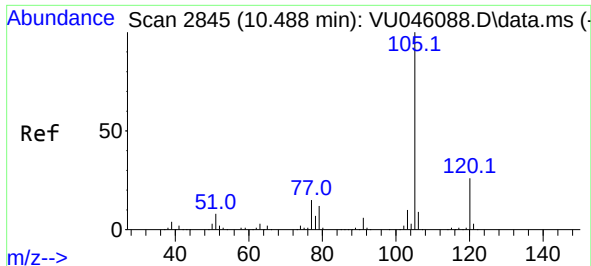
Tgt Ion:106 Resp: 1632404
Ion Ratio Lower Upper
106 100
91 203.7 144.3 268.1



#54
o-xylene
Concen: 106.850 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.006 min
Lab File: VU046095.D
Acq: 04 Dec 2021 15:58

Tgt Ion:106 Resp: 433943
Ion Ratio Lower Upper
106 100
91 213.1 154.2 286.4

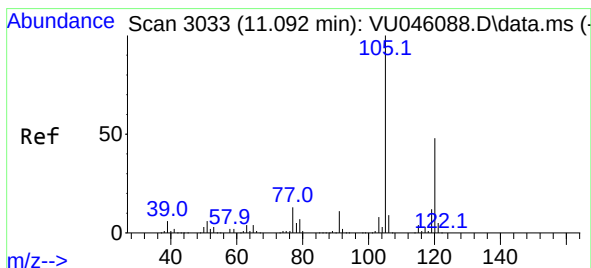
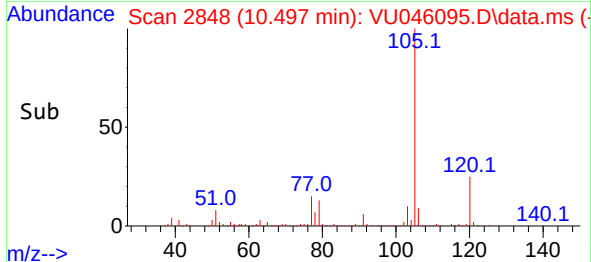
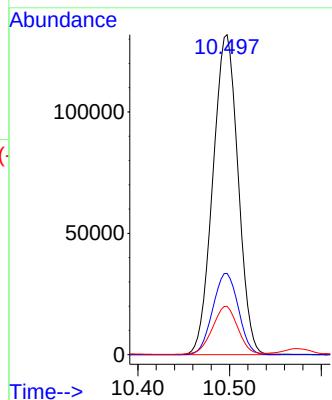
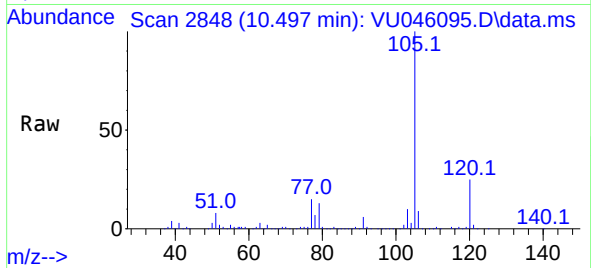




#61
Isopropylbenzene
Concen: 25.841 ug/L
RT: 10.497 min Scan# 2848
Delta R.T. 0.010 min
Lab File: VU046095.D
Acq: 04 Dec 2021 15:58

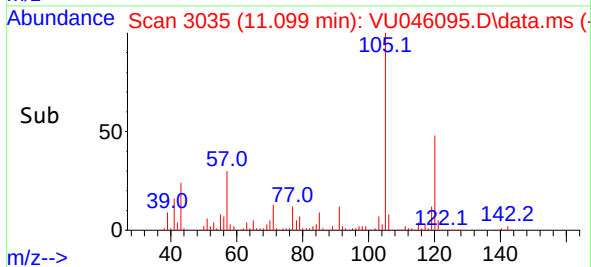
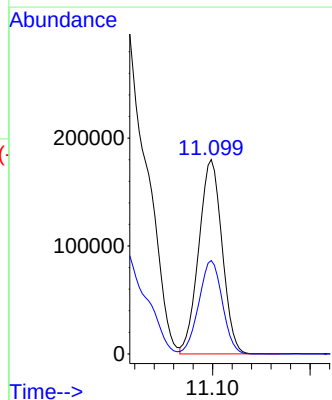
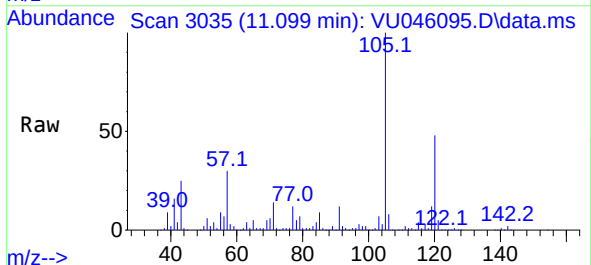
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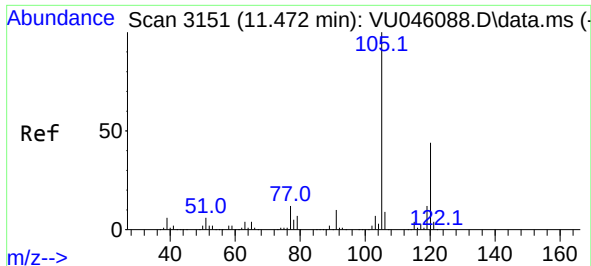
Tgt Ion:105 Resp: 251739
Ion Ratio Lower Upper
105 100
120 25.8 20.7 31.1
77 15.3 12.2 18.4



#62
1,3,5-Trimethylbenzene
Concen: 36.833 ug/L
RT: 11.099 min Scan# 3035
Delta R.T. 0.006 min
Lab File: VU046095.D
Acq: 04 Dec 2021 15:58

Tgt Ion:105 Resp: 299083
Ion Ratio Lower Upper
105 100
120 48.5 37.8 56.6

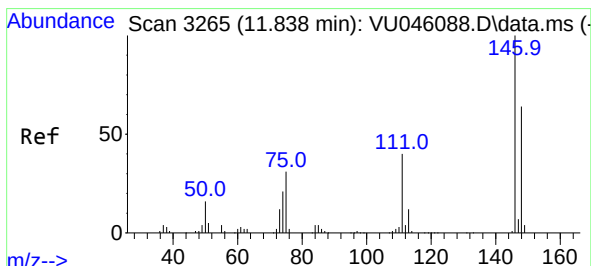
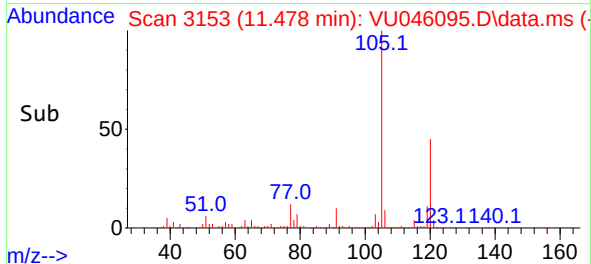
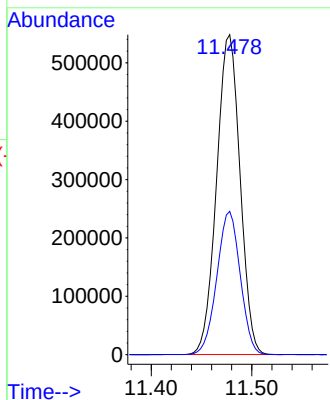
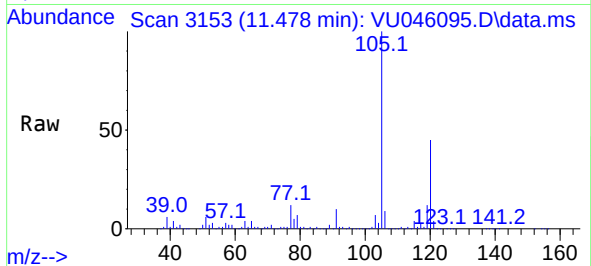




#63
1,2,4-Trimethylbenzene
Concen: 109.389 ug/L
RT: 11.478 min Scan# 3151
Delta R.T. 0.006 min
Lab File: VU046095.D
Acq: 04 Dec 2021 15:58

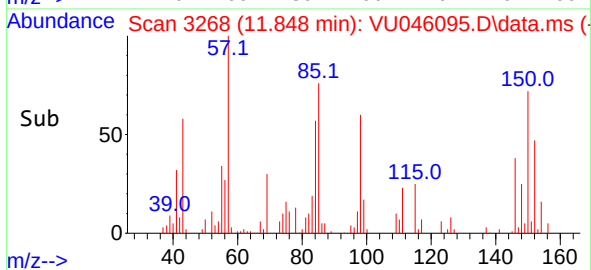
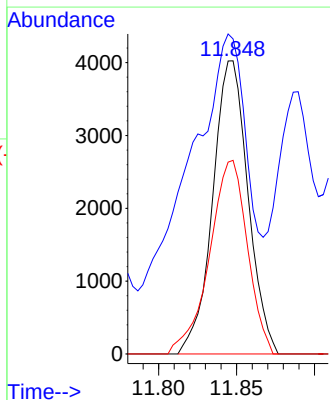
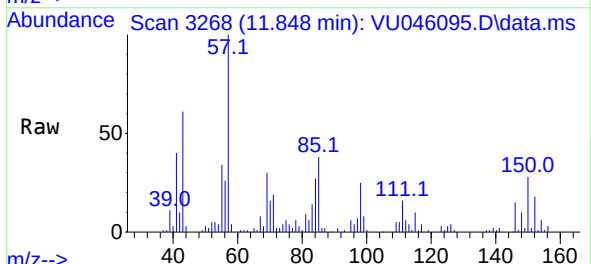
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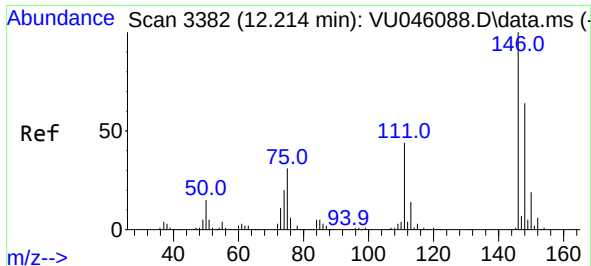
Tgt Ion:105 Resp: 888665
Ion Ratio Lower Upper
105 100
120 44.7 35.2 52.8



#65
1,4-Dichlorobenzene
Concen: 1.327 ug/L
RT: 11.848 min Scan# 3268
Delta R.T. 0.010 min
Lab File: VU046095.D
Acq: 04 Dec 2021 15:58

Tgt Ion:146 Resp: 6347
Ion Ratio Lower Upper
146 100
111 107.5 28.3 52.7#
148 66.1 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 14.242 ug/L

RT: 12.221 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU046095.D

Acq: 04 Dec 2021 15:58

Instrument :

MSVOA_U

ClientSampleId :

BGKQ9

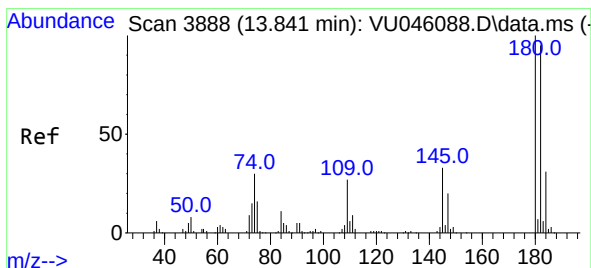
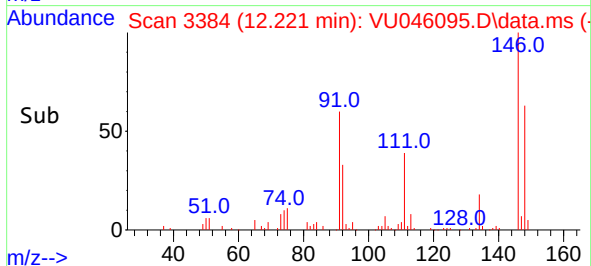
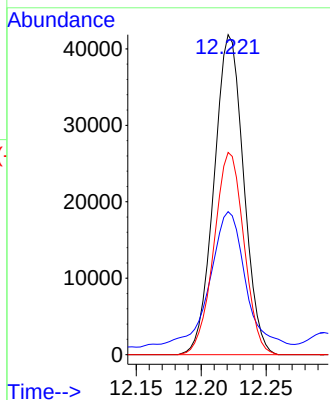
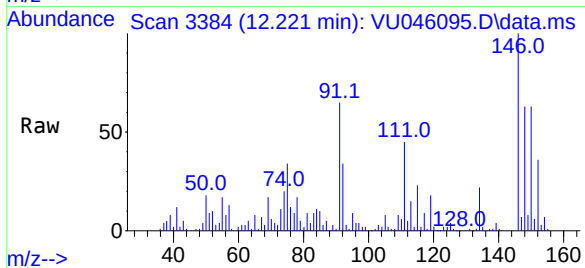
Tgt Ion:146 Resp: 66366

Ion Ratio Lower Upper

146 100

111 44.7 35.7 53.5

148 63.2 51.2 76.8



#70

1,2,4-trichlorobenzene

Concen: 3.347 ug/L

RT: 13.844 min Scan# 3889

Delta R.T. 0.003 min

Lab File: VU046095.D

Acq: 04 Dec 2021 15:58

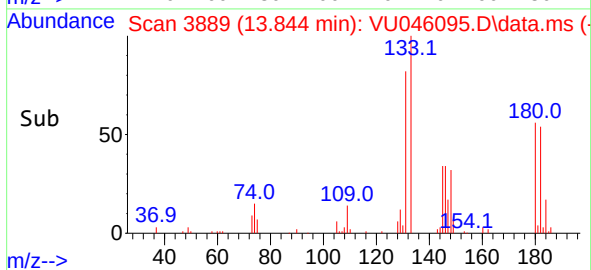
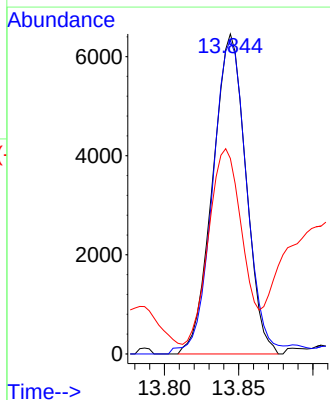
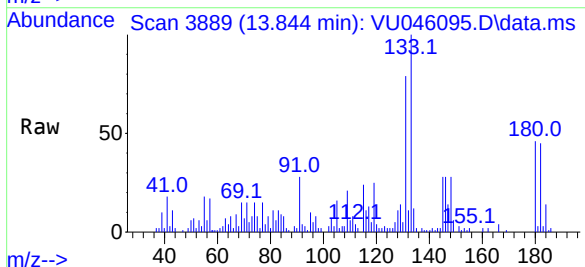
Tgt Ion:180 Resp: 10015

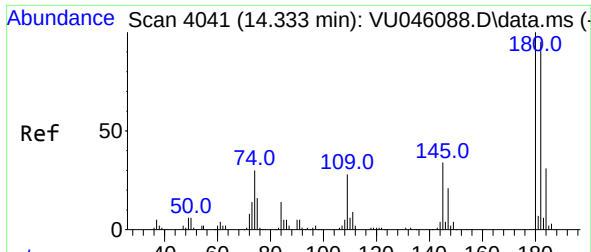
Ion Ratio Lower Upper

180 100

182 94.5 76.7 115.1

145 64.9 26.0 39.0#





#72
 1,2,3-Trichlorobenzene
 Concen: 1.089 ug/L
 RT: 14.333 min Scan# 4041
 Delta R.T. 0.003 min
 Lab File: VU046095.D
 Acq: 04 Dec 2021 15:58

Instrument :
 MSVOA_U
 ClientSampleId :
 BGKQ9

Tgt Ion:180 Resp: 3322
 Ion Ratio Lower Upper
 180 100
 182 89.5 76.0 114.0
 145 135.4 27.3 40.9#

