

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032023\
 Data File : VU053303.D
 Acq On : 20 Mar 2023 13:27
 Operator : JC/MD
 Sample : 01956-04DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E0287DL

Quant Time: Mar 21 01:29:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 21 01:25:41 2023
 Response via : Initial Calibration

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

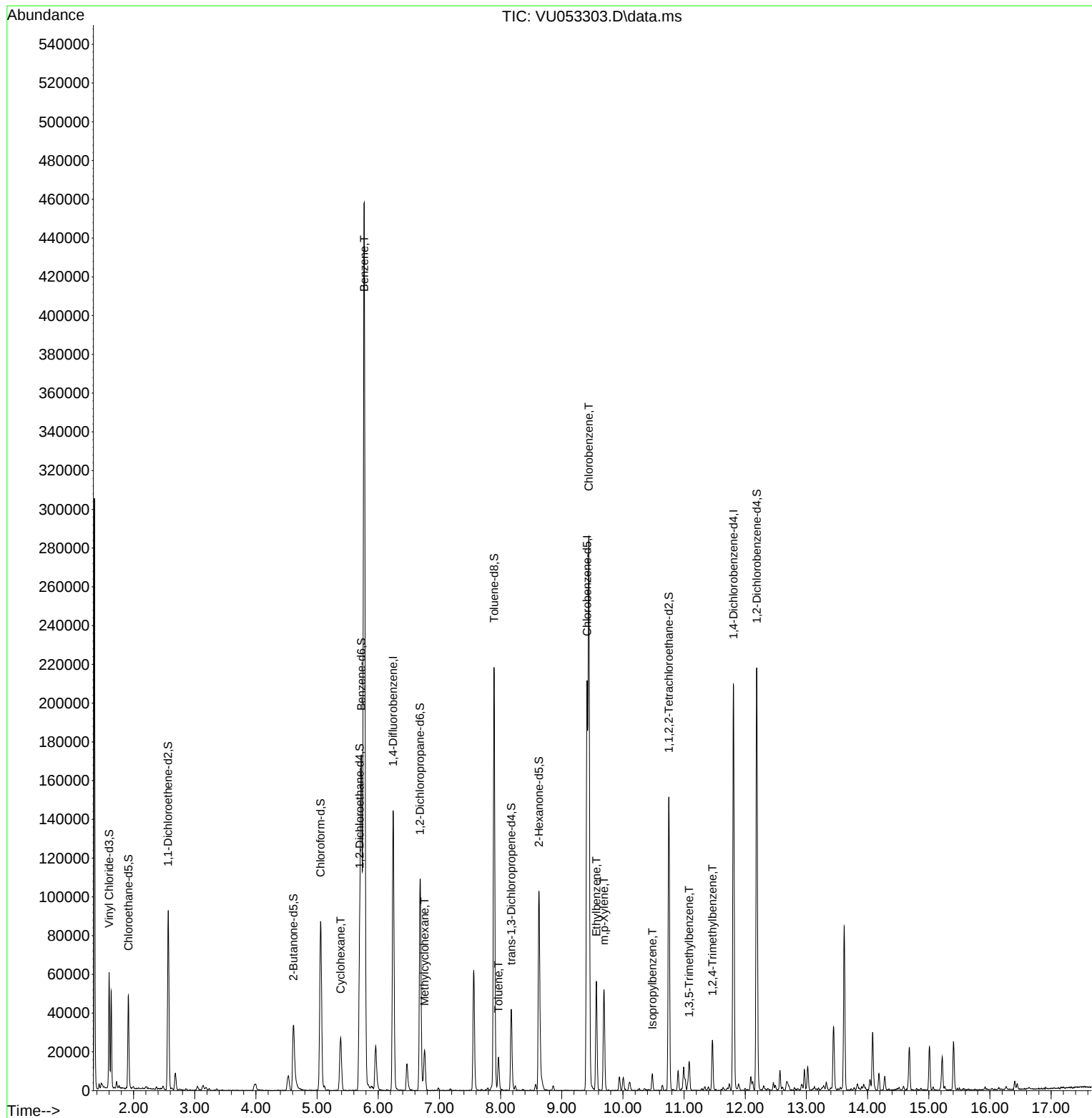
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	116181	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	106626	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	51365	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	38967	36.355	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.720%
7) Chloroethane-d5	1.915	69	34253	39.508	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.020%
11) 1,1-Dichloroethene-d2	2.565	63	54688	29.454	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.900%#
21) 2-Butanone-d5	4.613	46	51569	103.735	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.740%
24) Chloroform-d	5.057	84	77215	43.739	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.480%
26) 1,2-Dichloroethane-d4	5.697	65	52243	47.651	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.300%
32) Benzene-d6	5.722	84	162410	46.960	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.920%
36) 1,2-Dichloropropane-d6	6.684	67	54830	49.122	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.240%
41) Toluene-d8	7.893	98	145549	45.203	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.400%
43) trans-1,3-Dichloroprop...	8.176	79	25058	45.501	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.000%
47) 2-Hexanone-d5	8.626	63	38219	109.521	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.520%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	73480	50.818	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.640%
66) 1,2-Dichlorobenzene-d4	12.188	152	49934	50.207	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.420%
Target Compounds						
					Qvalue	
29) Cyclohexane	5.385	56	14587	9.181	ug/L	98
33) Benzene	5.771	78	433680	117.318	ug/L	100
35) Methylcyclohexane	6.758	83	9000	5.327	ug/L	96
42) Toluene	7.967	91	12683	3.191	ug/L	97
51) Chlorobenzene	9.443	112	144408	58.302	ug/L	99
52) Ethylbenzene	9.565	91	41005	9.098	ug/L	98
53) m,p-Xylene	9.690	106	15534	9.235	ug/L	97
61) Isopropylbenzene	10.481	105	6294	1.551	ug/L	98
62) 1,3,5-Trimethylbenzene	11.082	105	9182	2.733	ug/L	95
63) 1,2,4-Trimethylbenzene	11.462	105	15115	4.616	ug/L	98

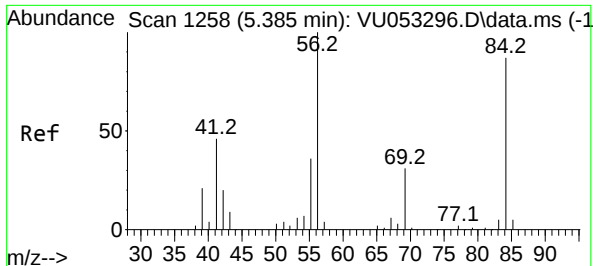
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Mar 21 01:25:41 2023
Response via : Initial Calibration





#29

Cyclohexane

Concen: 9.181 ug/L

RT: 5.385 min Scan# 11

Delta R.T. -0.001 min

Lab File: VU053303.D

Acq: 20 Mar 2023 13:27

Instrument :

MSVOA_U

ClientSampleId :

E0287DL

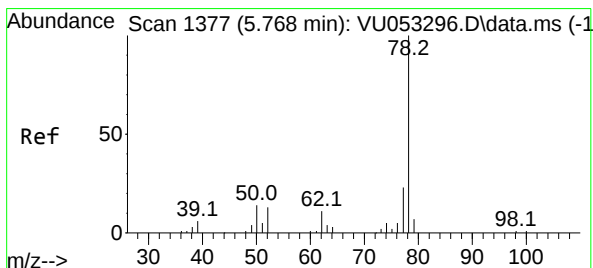
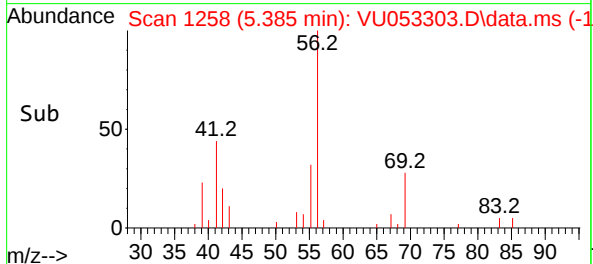
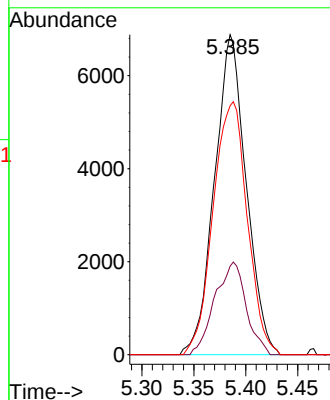
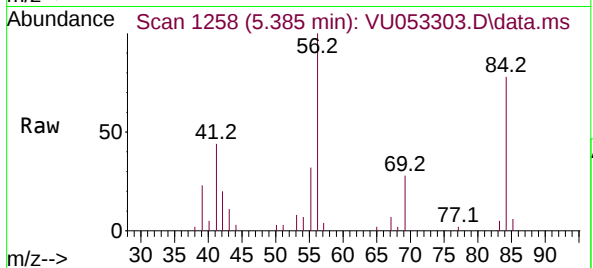
Tgt Ion: 56 Resp: 14587

Ion Ratio Lower Upper

56 100

69 28.6 25.4 38.0

84 85.3 69.0 103.6



#33

Benzene

Concen: 117.318 ug/L

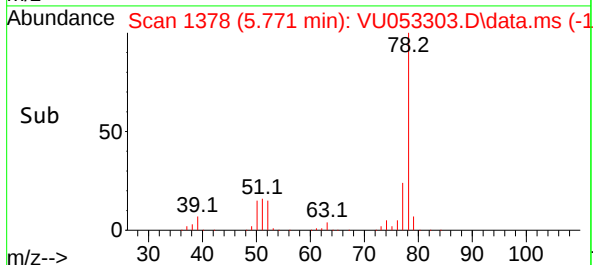
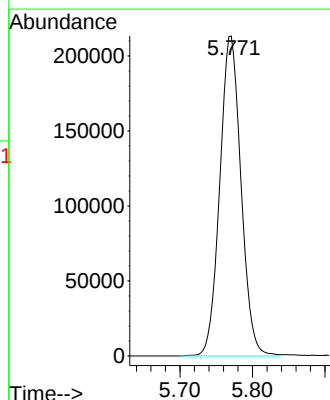
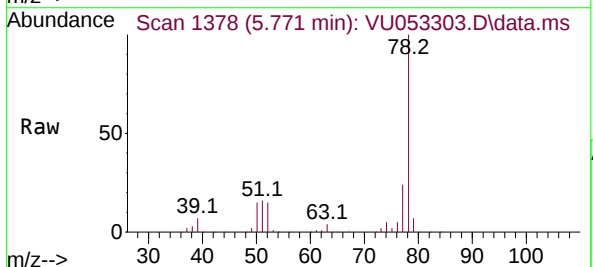
RT: 5.771 min Scan# 1378

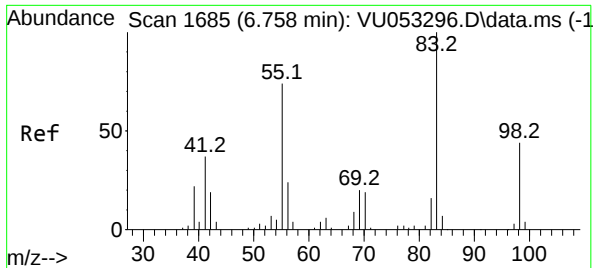
Delta R.T. 0.003 min

Lab File: VU053303.D

Acq: 20 Mar 2023 13:27

Tgt Ion: 78 Resp: 433680





#35

Methylcyclohexane

Concen: 5.327 ug/L

RT: 6.758 min Scan# 1

Delta R.T. -0.001 min

Lab File: VU053303.D

Acq: 20 Mar 2023 13:27

Instrument :

MSVOA_U

ClientSampleId :

E0287DL

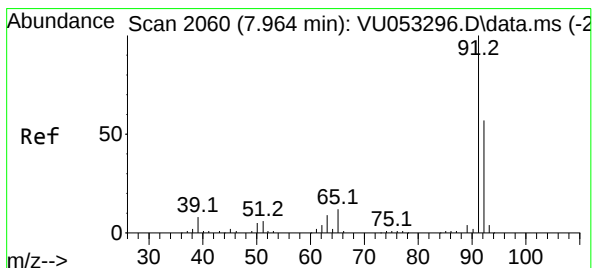
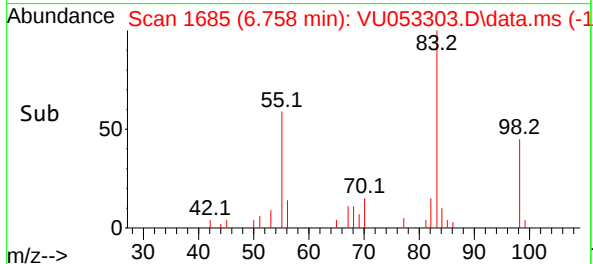
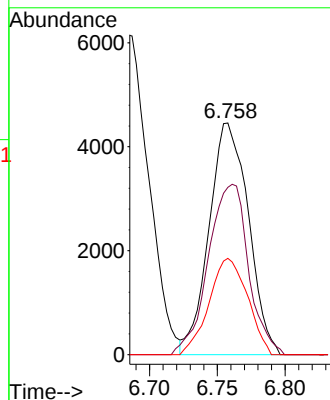
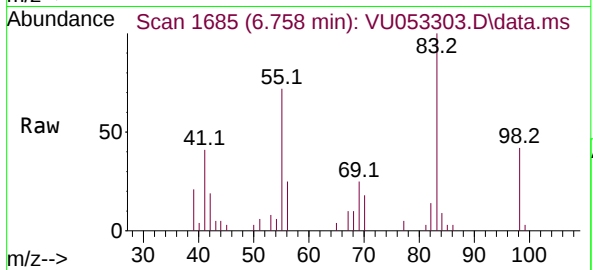
Tgt Ion: 83 Resp: 9000

Ion Ratio Lower Upper

83 100

55 75.0 58.2 87.4

98 40.7 35.4 53.2



#42

Toluene

Concen: 3.191 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU053303.D

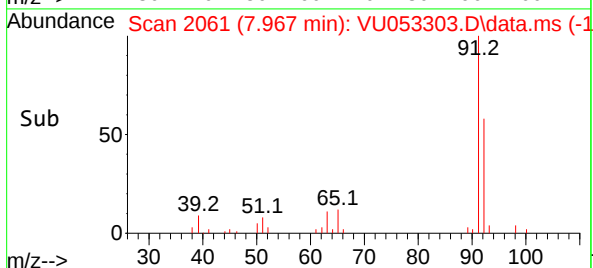
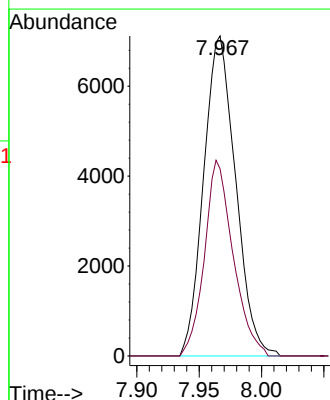
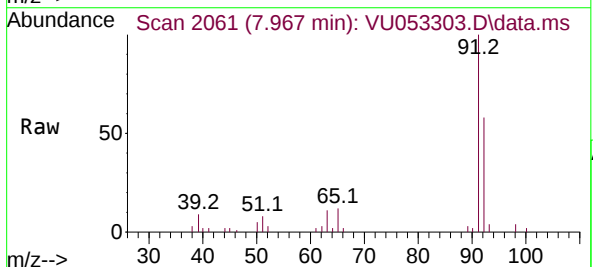
Acq: 20 Mar 2023 13:27

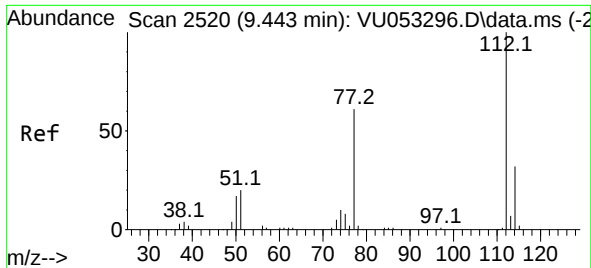
Tgt Ion: 91 Resp: 12683

Ion Ratio Lower Upper

91 100

92 58.5 39.6 73.6

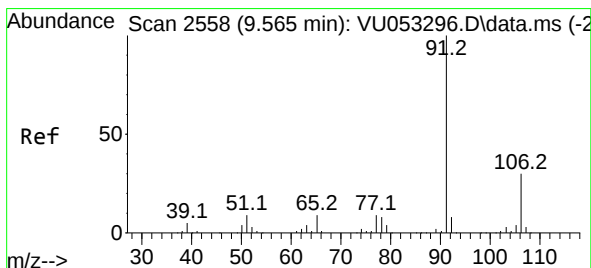
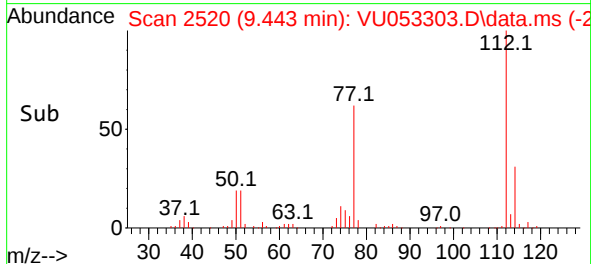
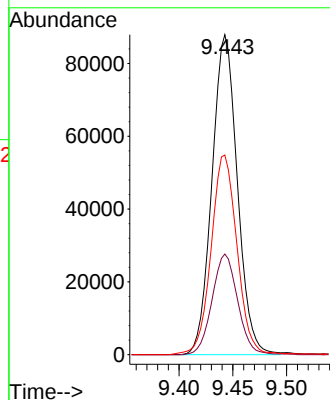
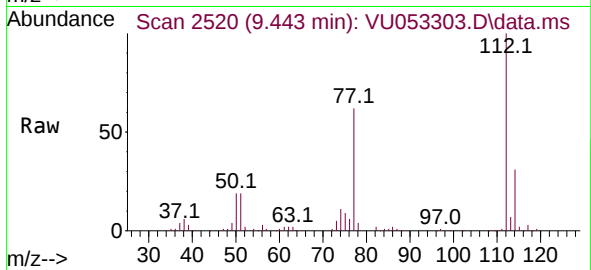




#51
Chlorobenzene
Concen: 58.302 ug/L
RT: 9.443 min Scan# 21
Delta R.T. -0.001 min
Lab File: VU053303.D
Acq: 20 Mar 2023 13:27

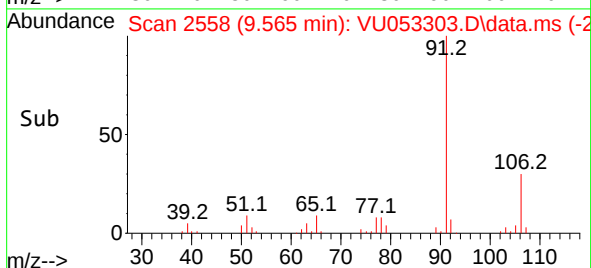
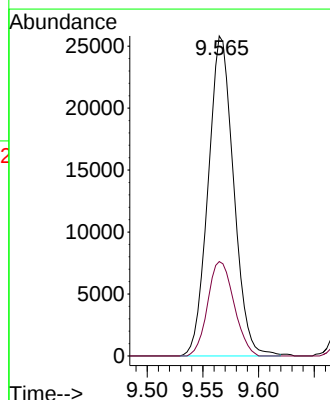
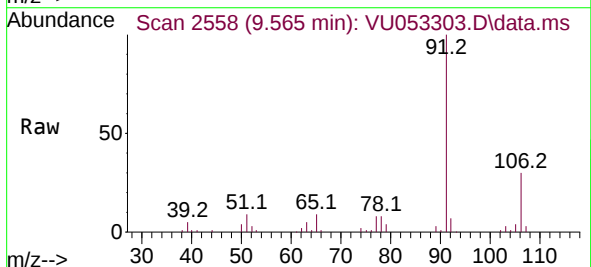
Instrument :
MSVOA_U
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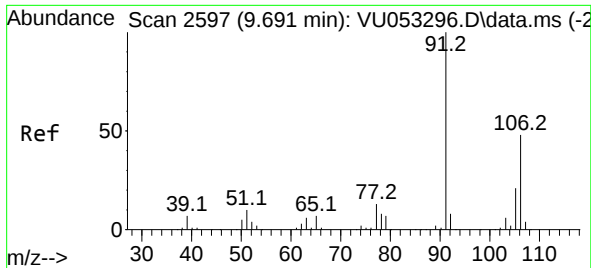
Tgt Ion:112 Resp: 144408
Ion Ratio Lower Upper
112 100
114 31.4 21.8 40.6
77 62.4 48.8 73.2



#52
Ethylbenzene
Concen: 9.098 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.001 min
Lab File: VU053303.D
Acq: 20 Mar 2023 13:27

Tgt Ion: 91 Resp: 41005
Ion Ratio Lower Upper
91 100
106 29.5 21.6 40.0

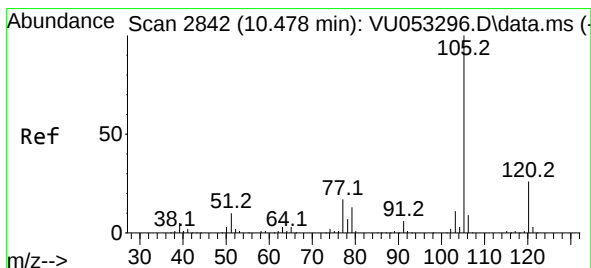
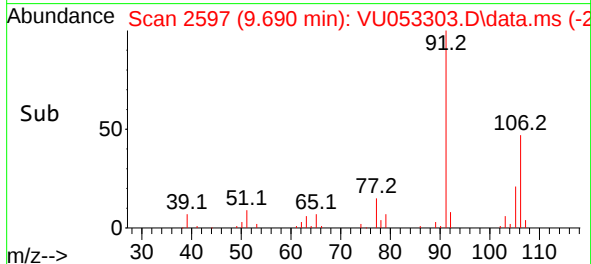
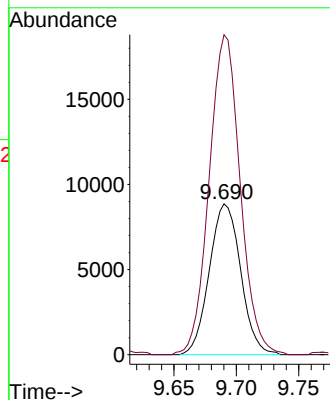
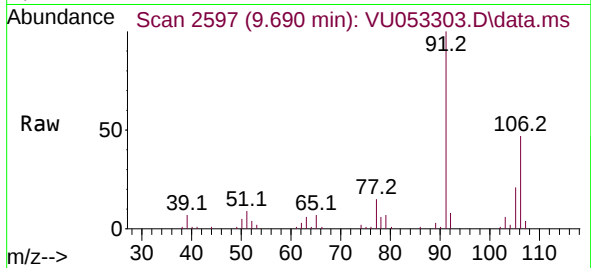




#53
m,p-Xylene
Concen: 9.235 ug/L
RT: 9.690 min Scan# 21
Delta R.T. -0.001 min
Lab File: VU053303.D
Acq: 20 Mar 2023 13:27

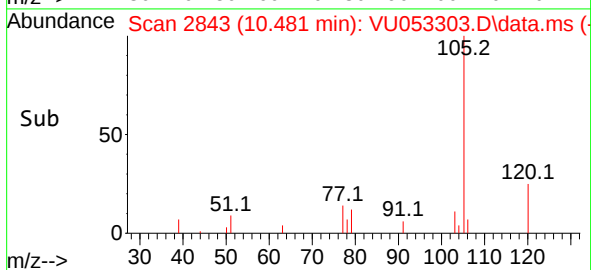
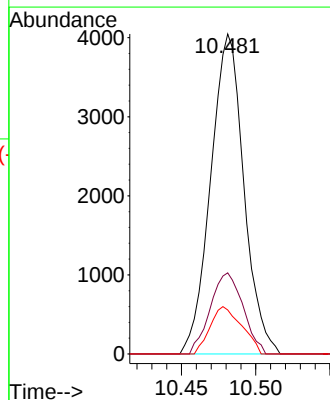
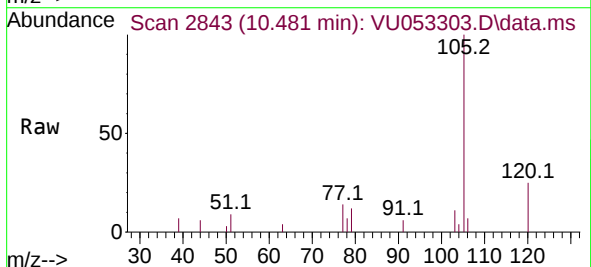
Instrument :
MSVOA_U
ClientSampleId :
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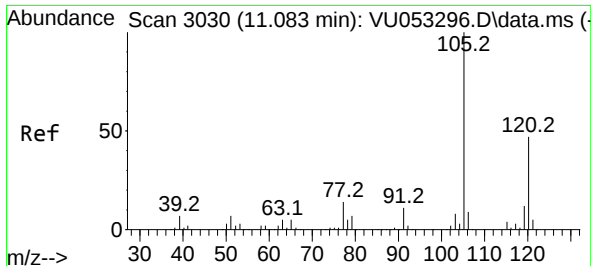
Tgt Ion:106 Resp: 15534
Ion Ratio Lower Upper
106 100
91 212.0 145.3 269.8



#61
Isopropylbenzene
Concen: 1.551 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053303.D
Acq: 20 Mar 2023 13:27

Tgt Ion:105 Resp: 6294
Ion Ratio Lower Upper
105 100
120 25.0 20.4 30.6
77 14.1 13.0 19.4





#62

1,3,5-Trimethylbenzene

Concen: 2.733 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. -0.001 min

Lab File: VU053303.D

Acq: 20 Mar 2023 13:27

Instrument :

MSVOA_U

ClientSampleId :

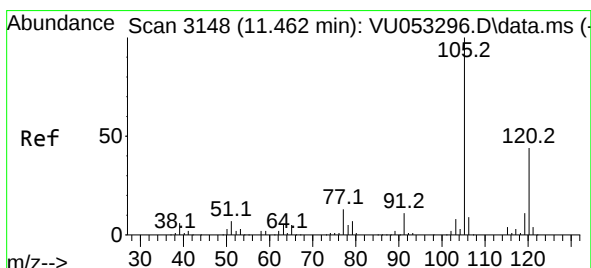
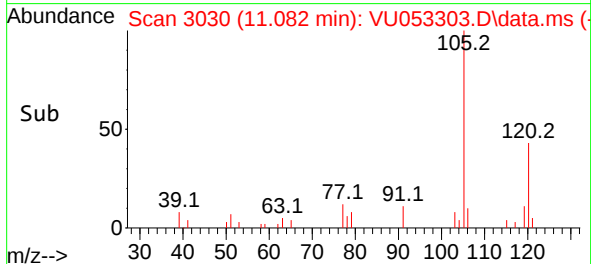
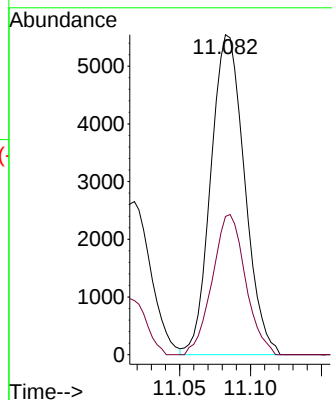
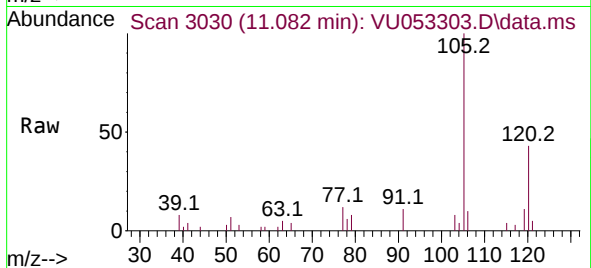
E0287DL

Tgt Ion:105 Resp: 9182

Ion Ratio Lower Upper

105 100

120 43.1 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 4.616 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.001 min

Lab File: VU053303.D

Acq: 20 Mar 2023 13:27

Tgt Ion:105 Resp: 15115

Ion Ratio Lower Upper

105 100

120 42.1 34.6 52.0

