

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100921\
 Data File : VU045272.D
 Acq On : 09 Oct 2021 19:00
 Operator : SY/MD
 Sample : M4138-08DL 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 11 01:49:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 11 01:47:08 2021
 Response via : Initial Calibration

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

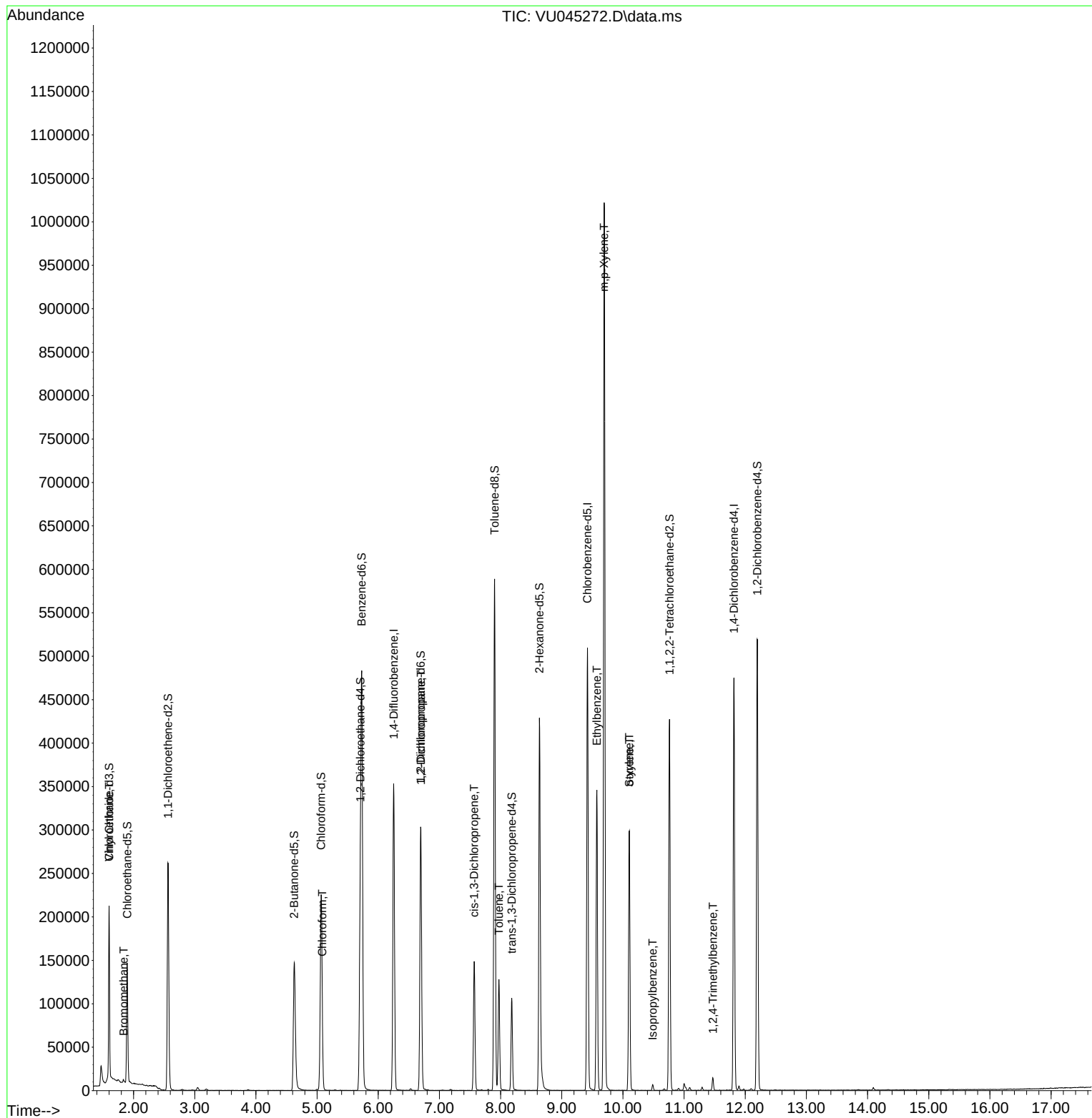
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	274032	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	266210	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	116576	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	131509	43.839	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.680%		
7) Chloroethane-d5	1.896	69	106182	44.667	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.340%		
11) 1,1-Dichloroethene-d2	2.562	63	161646	32.087	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	64.180%		
21) 2-Butanone-d5	4.626	46	214489	90.441	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	90.440%		
24) Chloroform-d	5.067	84	203696	42.993	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.980%		
26) 1,2-Dichloroethane-d4	5.706	65	145089	45.209	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.420%		
32) Benzene-d6	5.729	84	429751	46.523	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.040%		
36) 1,2-Dichloropropane-d6	6.694	67	139181	46.209	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.420%		
41) Toluene-d8	7.903	98	370569	46.485	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.980%		
43) trans-1,3-Dichloroprop...	8.182	79	55576	41.480	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.960%		
47) 2-Hexanone-d5	8.636	63	147023	88.082	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	88.080%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	213381	45.495	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.980%		
66) 1,2-Dichlorobenzene-d4	12.198	152	127960	50.437	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.880%		
Target Compounds						Qvalue
6) Bromomethane	1.838	94	895	0.582	ug/L	96
8) Chloroethane	1.601	64	21764	10.822	ug/L	93
25) Chloroform	5.086	83	2176	0.471	ug/L #	67
37) 1,2-Dichloropropane	6.697	63	15677	5.832	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	3420	0.889	ug/L #	62
42) Toluene	7.973	91	88077	8.779	ug/L	99
52) Ethylbenzene	9.574	91	237739	22.433	ug/L	100
53) m,p-Xylene	9.693	106	281619	70.146	ug/L	98
54) o-xylene	10.105	106	78318	19.852	ug/L	99
55) Styrene	10.102	104	4111	0.606	ug/L #	1
61) Isopropylbenzene	10.488	105	4468	0.524	ug/L	97
63) 1,2,4-Trimethylbenzene	11.472	105	7922	1.086	ug/L	99

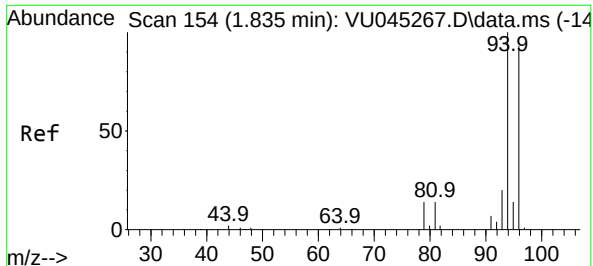
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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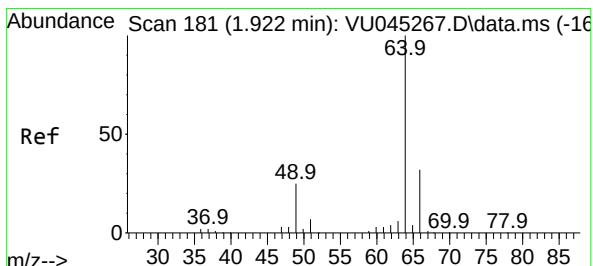
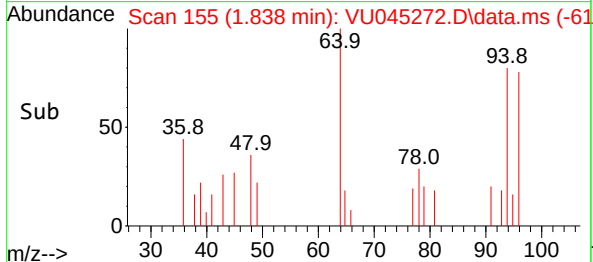
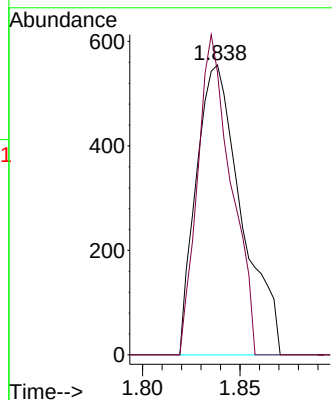
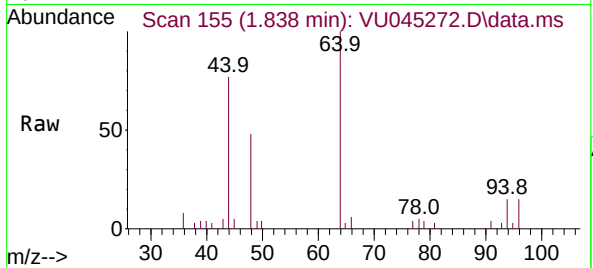




#6
Bromomethane
Concen: 0.582 ug/L
RT: 1.838 min Scan# 155
Delta R.T. 0.003 min
Lab File: VU045272.D
Acq: 09 Oct 2021 19:00

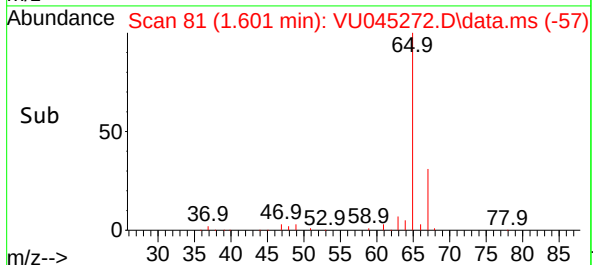
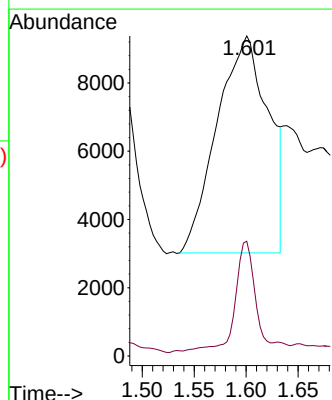
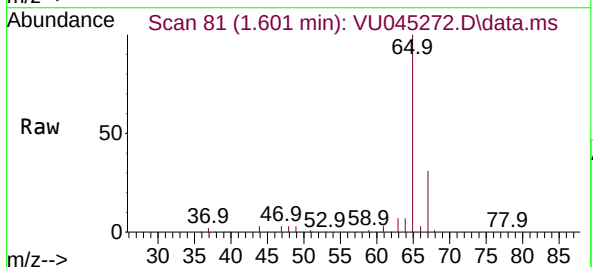
Instrument :
MSVOA_U
ClientSampled :

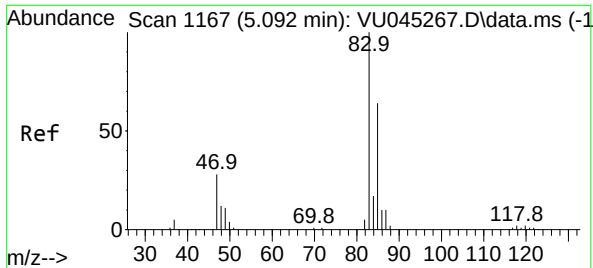
Tgt Ion: 94 Resp: 895
Ion Ratio Lower Upper
94 100
96 97.5 65.7 121.9



#8
Chloroethane
Concen: 10.822 ug/L
RT: 1.601 min Scan# 81
Delta R.T. -0.322 min
Lab File: VU045272.D
Acq: 09 Oct 2021 19:00

Tgt Ion: 64 Resp: 21764
Ion Ratio Lower Upper
64 100
66 35.9 22.3 41.3





#25

Chloroform

Concen: 0.471 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.007 min

Lab File: VU045272.D

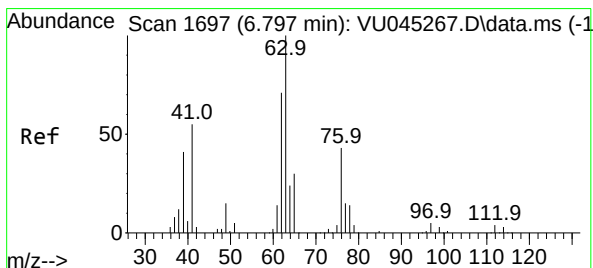
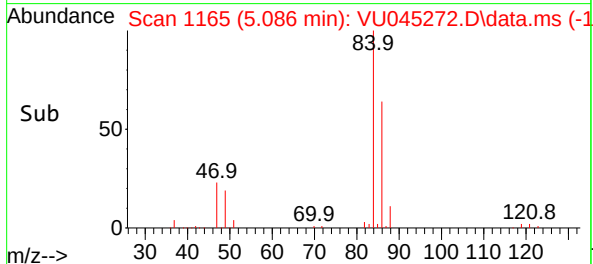
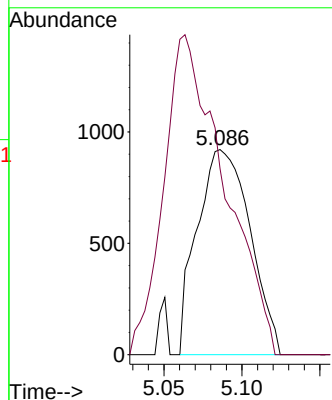
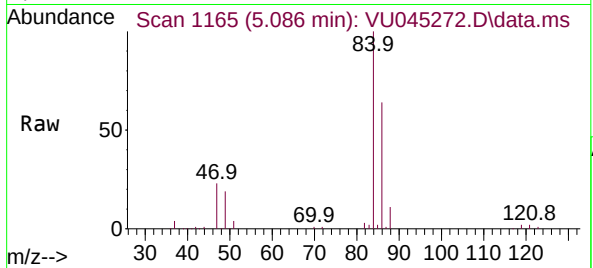
Acq: 09 Oct 2021 19:00

Tgt Ion: 83 Resp: 2176

Ion Ratio Lower Upper

83 100

85 90.8 45.6 84.6#



#37

1,2-Dichloropropane

Concen: 5.832 ug/L

RT: 6.697 min Scan# 1666

Delta R.T. -0.100 min

Lab File: VU045272.D

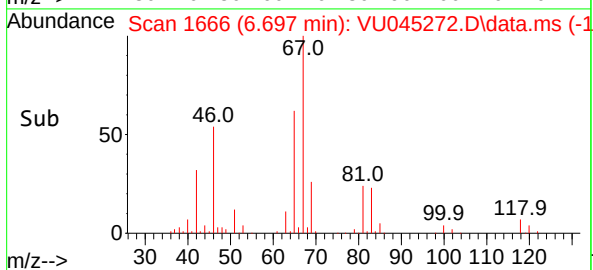
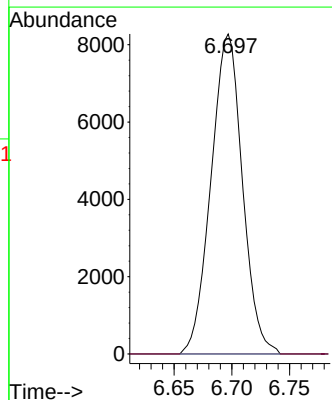
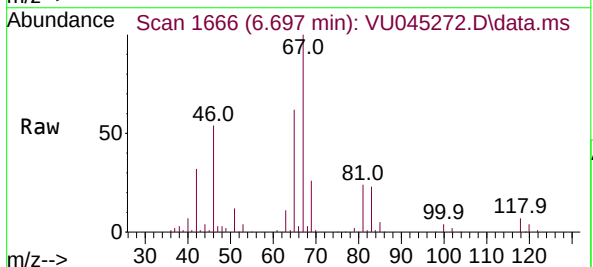
Acq: 09 Oct 2021 19:00

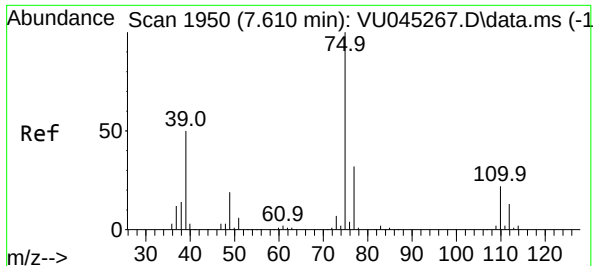
Tgt Ion: 63 Resp: 15677

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



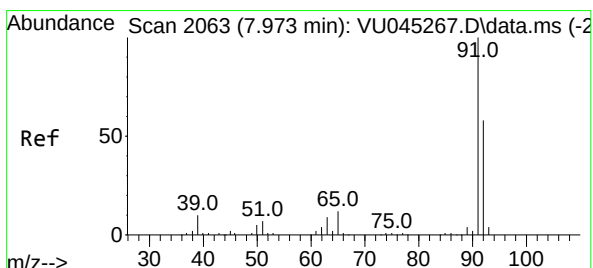
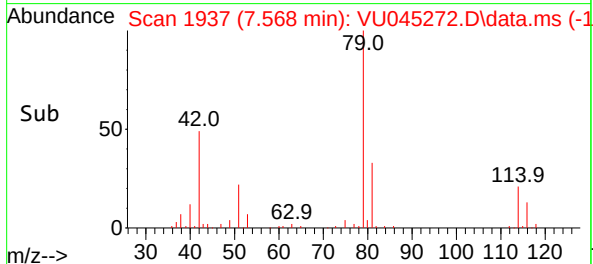
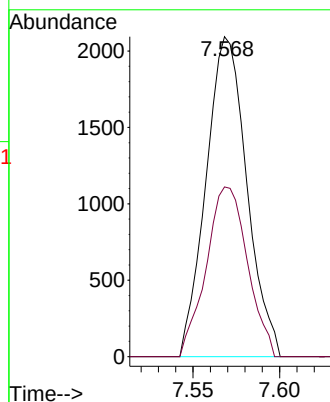
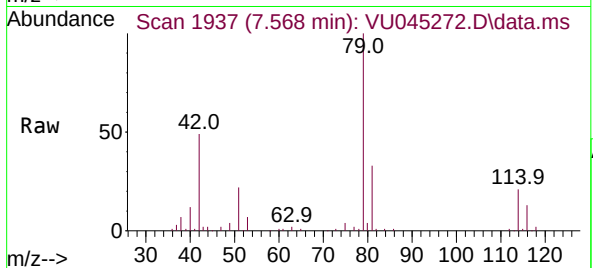


#39

cis-1,3-Dichloropropene
Concen: 0.889 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.042 min
Lab File: VU045272.D
Acq: 09 Oct 2021 19:00

Instrument :
MSVOA_U
ClientSampled :

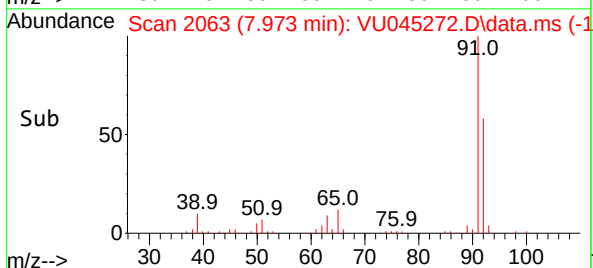
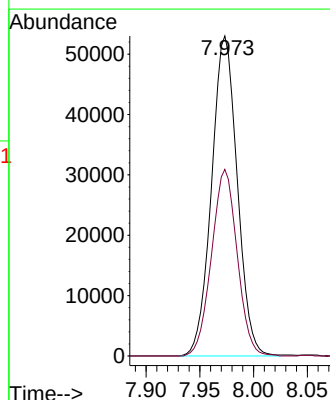
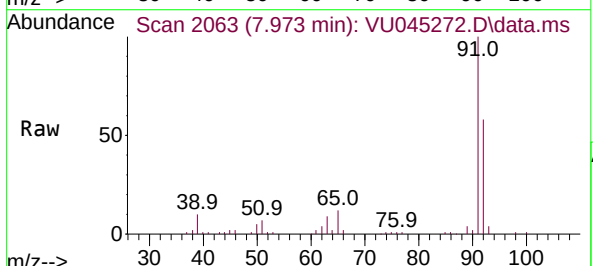
Tgt Ion: 75 Resp: 3420
Ion Ratio Lower Upper
75 100
77 53.1 22.4 41.6#

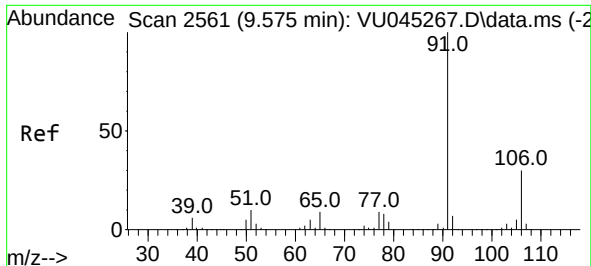


#42

Toluene
Concen: 8.779 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU045272.D
Acq: 09 Oct 2021 19:00

Tgt Ion: 91 Resp: 88077
Ion Ratio Lower Upper
91 100
92 58.3 40.5 75.1

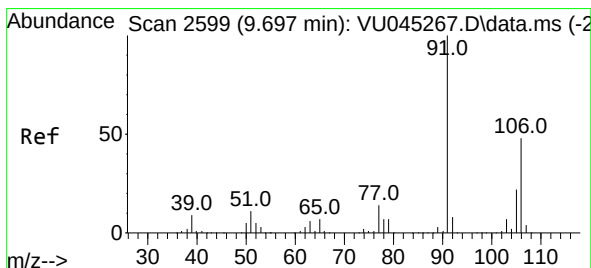
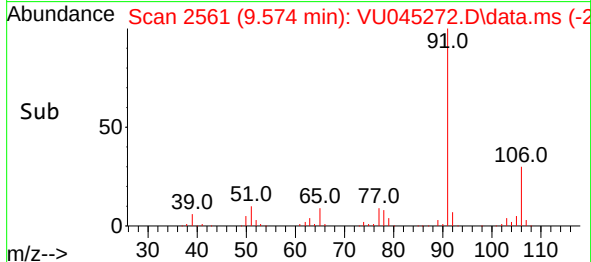
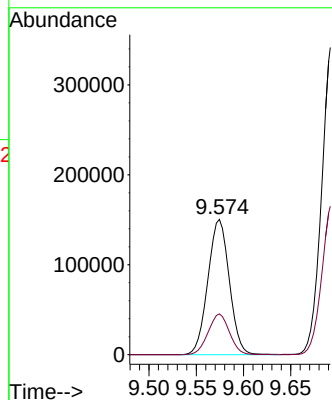
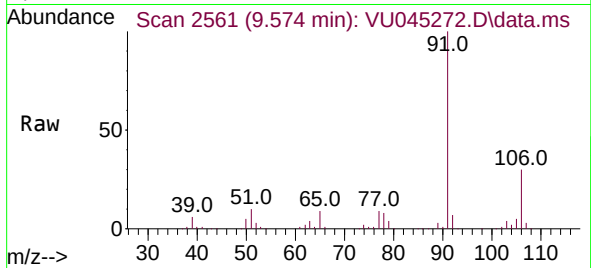




#52
Ethylbenzene
Concen: 22.433 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. -0.000 min
Lab File: VU045272.D
Acq: 09 Oct 2021 19:00

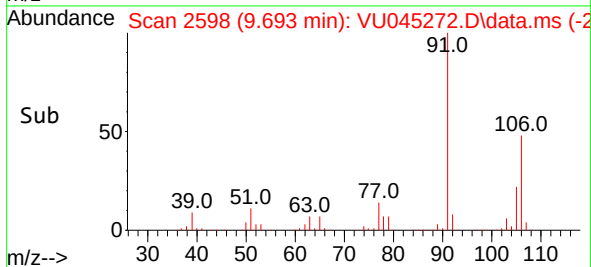
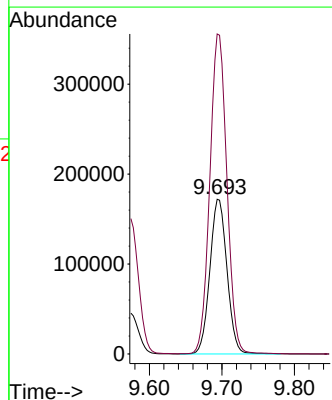
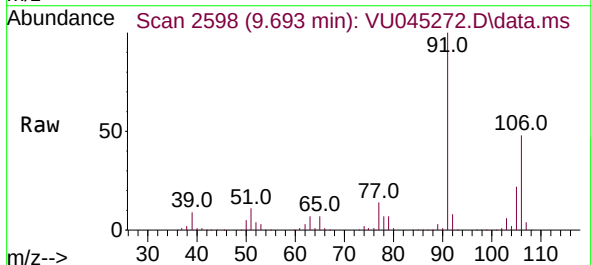
Instrument :
MSVOA_U
ClientSampled :

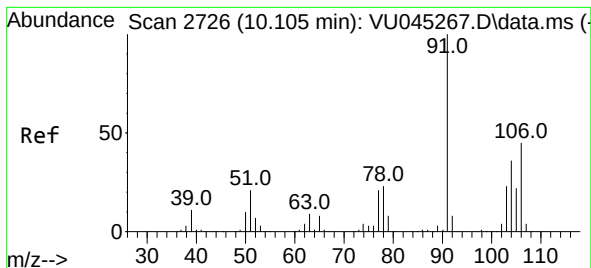
Tgt Ion: 91 Resp: 237739
Ion Ratio Lower Upper
91 100
106 30.1 21.2 39.4



#53
m,p-Xylene
Concen: 70.146 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU045272.D
Acq: 09 Oct 2021 19:00

Tgt Ion: 106 Resp: 281619
Ion Ratio Lower Upper
106 100
91 206.8 146.7 272.4





#54

o-xylene

Concen: 19.852 ug/L

RT: 10.105 min Scan# 2726

Delta R.T. -0.000 min

Lab File: VU045272.D

Acq: 09 Oct 2021 19:00

Tgt Ion:106 Resp: 78318

Ion Ratio Lower Upper

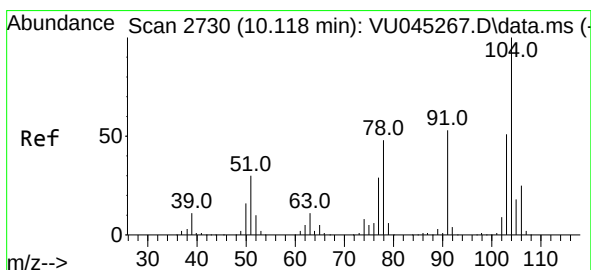
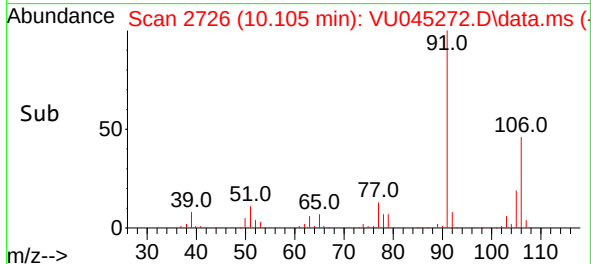
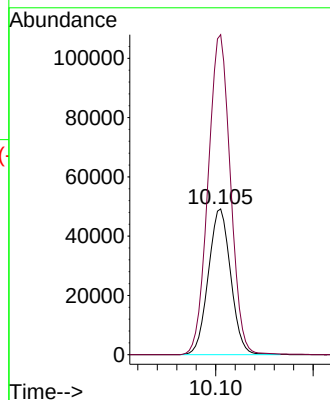
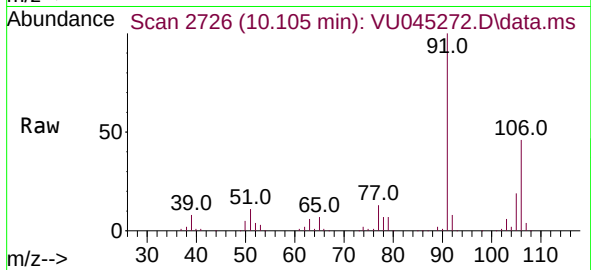
106 100

91 219.4 152.9 283.9

Instrument :

MSVOA_U

ClientSampleId :



#55

Styrene

Concen: 0.606 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. -0.016 min

Lab File: VU045272.D

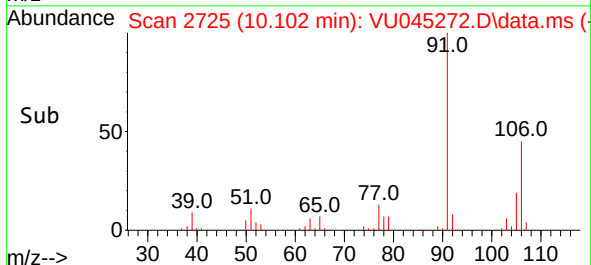
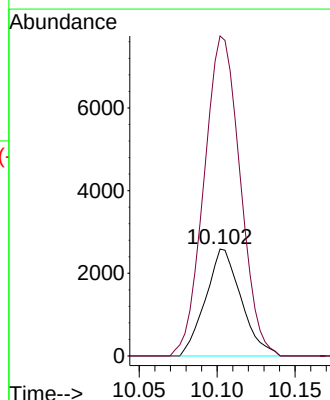
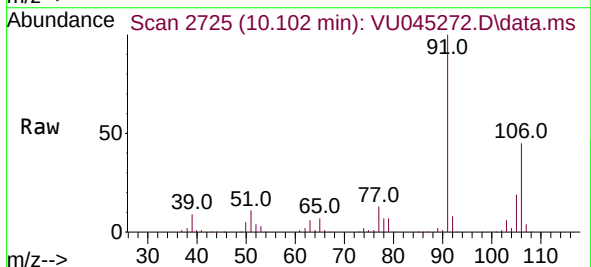
Acq: 09 Oct 2021 19:00

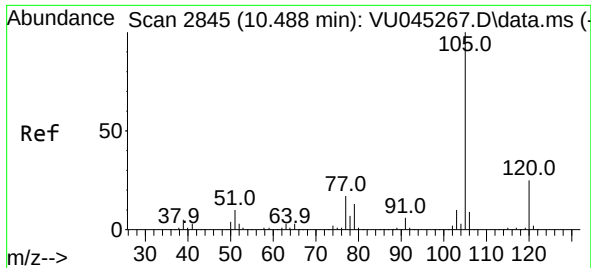
Tgt Ion:104 Resp: 4111

Ion Ratio Lower Upper

104 100

78 299.6 33.3 61.9#

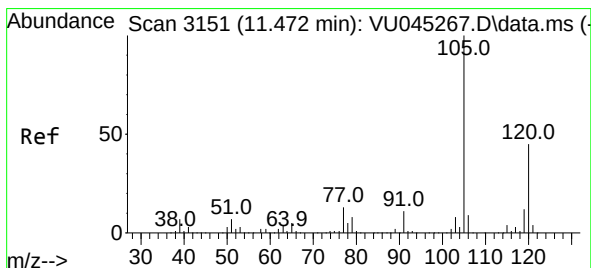
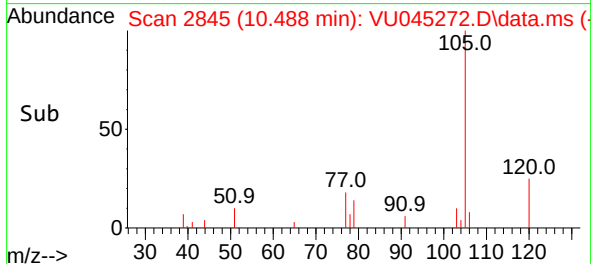
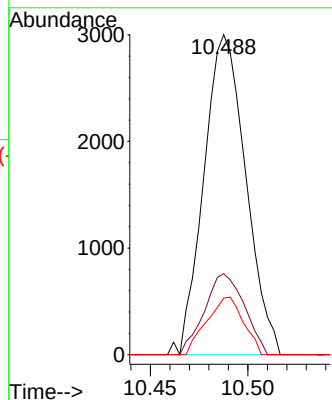
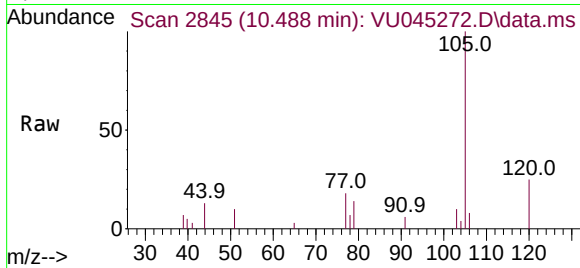




#61
Isopropylbenzene
Concen: 0.524 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU045272.D
Acq: 09 Oct 2021 19:00

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	105	Resp:	4468
Ion	Ratio	Lower	Upper
105	100		
120	24.2	20.5	30.7
77	15.8	13.5	20.3



#63
1,2,4-Trimethylbenzene
Concen: 1.086 ug/L
RT: 11.472 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VU045272.D
Acq: 09 Oct 2021 19:00

Tgt Ion:	105	Resp:	7922
Ion	Ratio	Lower	Upper
105	100		
120	43.8	35.7	53.5

