

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100821\
 Data File : VU045251.D
 Acq On : 08 Oct 2021 15:05
 Operator : SY/MD
 Sample : M4024-15DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 09 05:31:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 09 05:29:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	276678	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	268342	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	122269	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	142105	46.918	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	93.840%		
7) Chloroethane-d5	1.893	69	112126	46.717	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.440%		
11) 1,1-Dichloroethene-d2	2.562	63	167612	32.953	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	65.900%		
21) 2-Butanone-d5	4.626	46	203618	85.036	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	85.040%		
24) Chloroform-d	5.067	84	211384	44.188	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.380%		
26) 1,2-Dichloroethane-d4	5.706	65	147797	45.612	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.220%		
32) Benzene-d6	5.732	84	442072	47.477	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.960%		
36) 1,2-Dichloropropane-d6	6.694	67	142267	46.858	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.720%		
41) Toluene-d8	7.903	98	378815	47.142	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.280%		
43) trans-1,3-Dichloroprop...	8.182	79	62425	46.222	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.440%		
47) 2-Hexanone-d5	8.636	63	142127	84.472	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	84.470%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	217033	45.906	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.820%		
66) 1,2-Dichlorobenzene-d4	12.195	152	131435	49.395	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.780%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	148301	45.840	ug/L #	56
8) Chloroethane	1.842	64	12705	6.257	ug/L #	50
12) 1,1-Dichloroethene	2.568	96	1825	0.852	ug/L #	1
16) Methylene chloride	3.044	84	2526	0.931	ug/L	92
19) 1,1-Dichloroethane	3.874	63	18525	3.945	ug/L	95
20) cis-1,2-Dichloroethene	4.671	96	75271	30.265	ug/L	92
37) 1,2-Dichloropropane	6.694	63	15993	5.902	ug/L	100
39) cis-1,3-Dichloropropene	7.568	75	3873	0.999	ug/L #	77
42) Toluene	7.973	91	21374	2.114	ug/L	100
44) trans-1,3-Dichloropropene	8.182	75	2660	0.721	ug/L	83
52) Ethylbenzene	9.574	91	98111	9.184	ug/L	99
53) m,p-Xylene	9.693	106	101280	25.027	ug/L	99
54) o-xylene	10.105	106	22932	5.767	ug/L	96
61) Isopropylbenzene	10.488	105	11618	1.298	ug/L	98
63) 1,2,4-Trimethylbenzene	11.472	105	4600	0.601	ug/L	93
71) Naphthalene	14.092	128	56494	6.836	ug/L	100

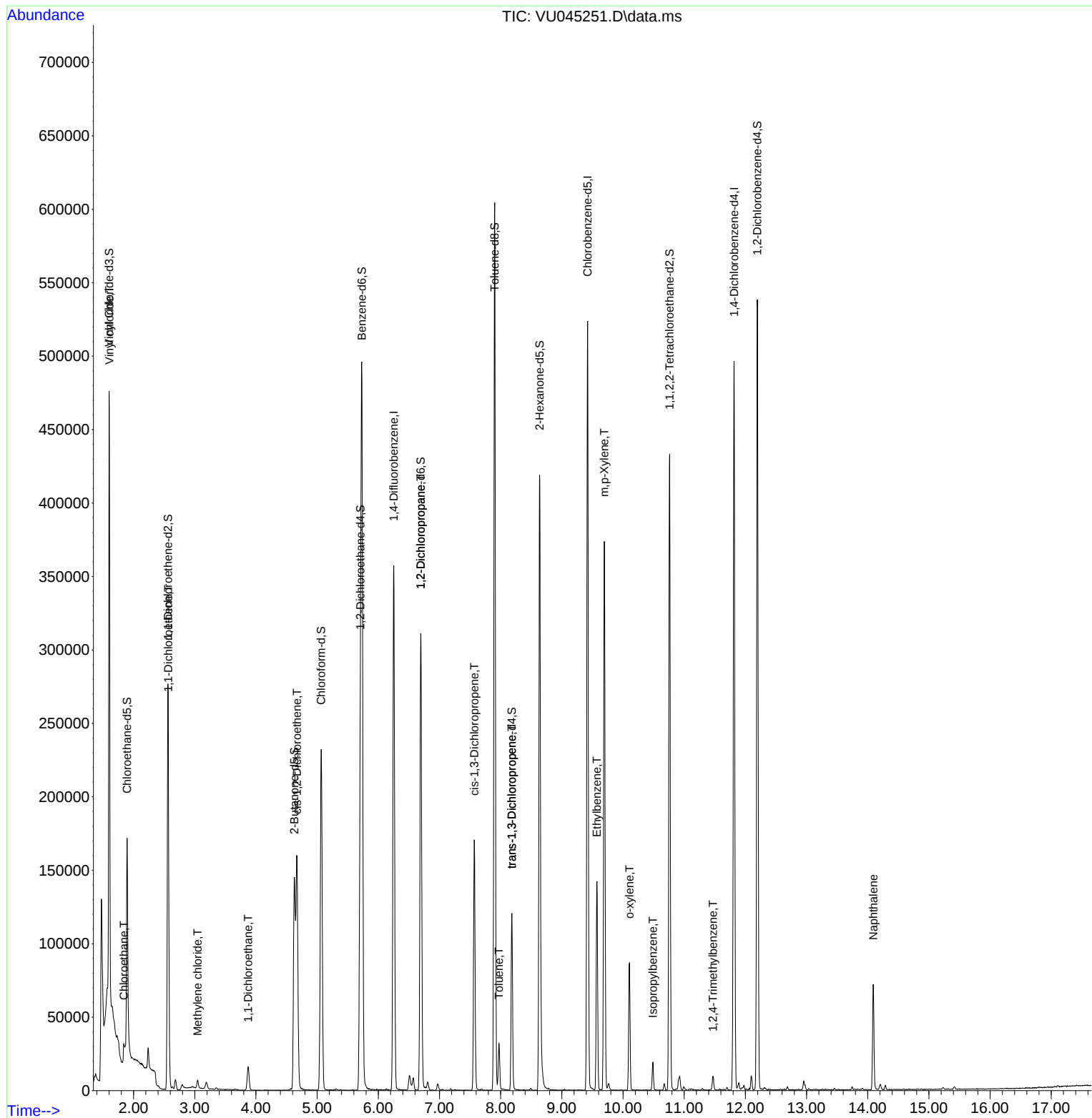
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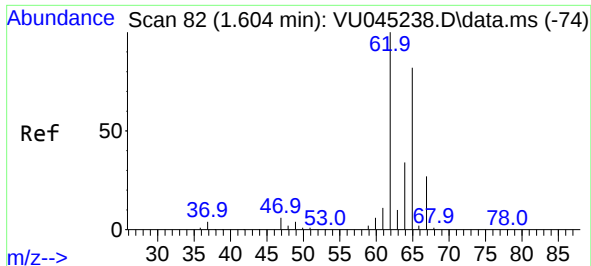
Instrument :
MSVOA_U
ClientSampleId :

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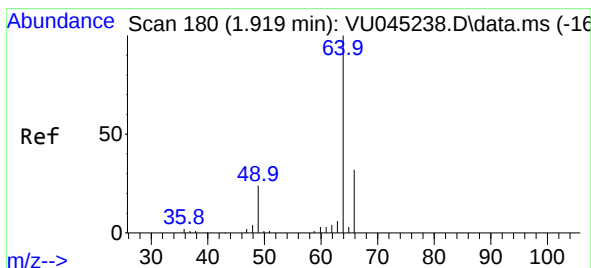
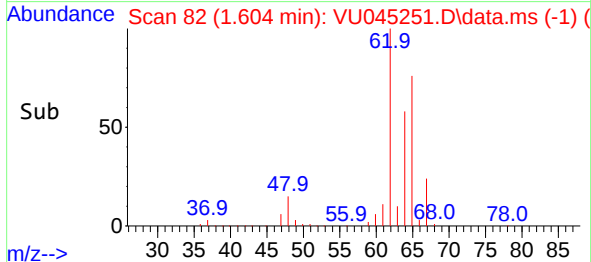
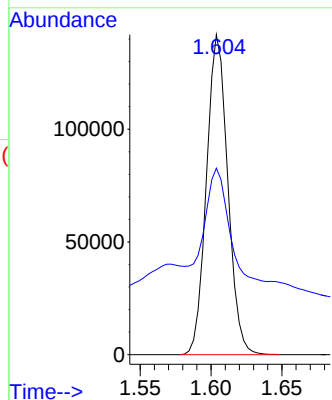
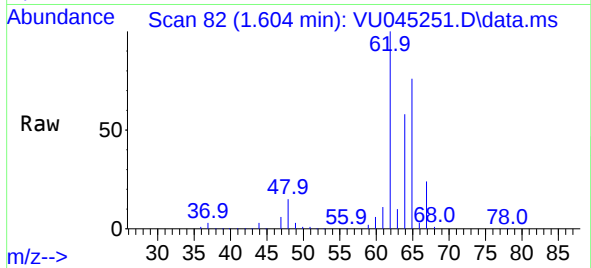




#5
 Vinyl chloride
 Concen: 45.840 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU045251.D
 Acq: 08 Oct 2021 15:05

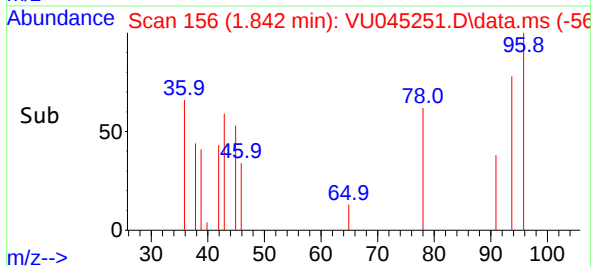
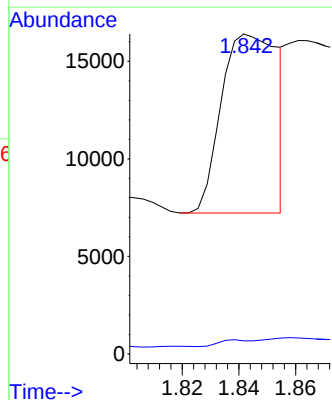
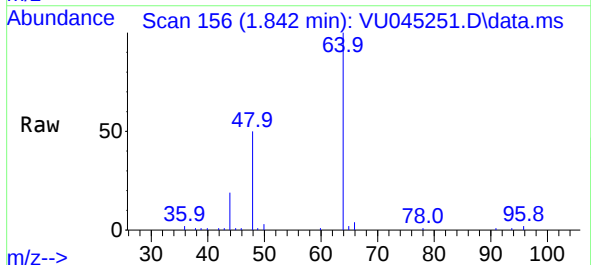
Instrument :
 MSVOA_U
 ClientSampled :

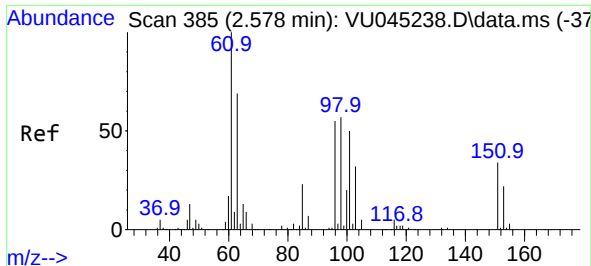
Tgt Ion: 62 Resp: 148301
 Ion Ratio Lower Upper
 62 100
 64 58.3 23.4 43.6#



#8
 Chloroethane
 Concen: 6.257 ug/L
 RT: 1.842 min Scan# 156
 Delta R.T. -0.077 min
 Lab File: VU045251.D
 Acq: 08 Oct 2021 15:05

Tgt Ion: 64 Resp: 12705
 Ion Ratio Lower Upper
 64 100
 66 4.1 22.3 41.3#

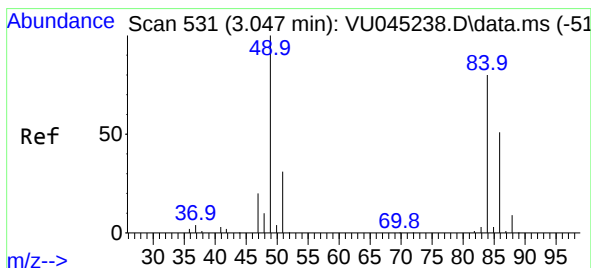
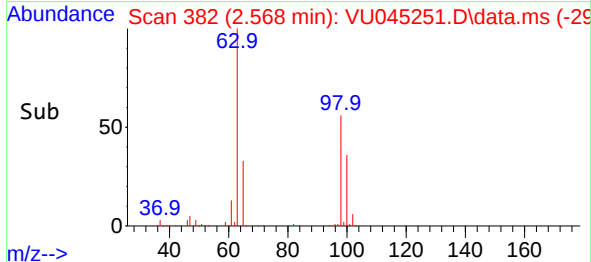
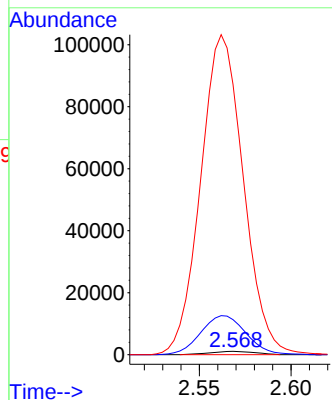
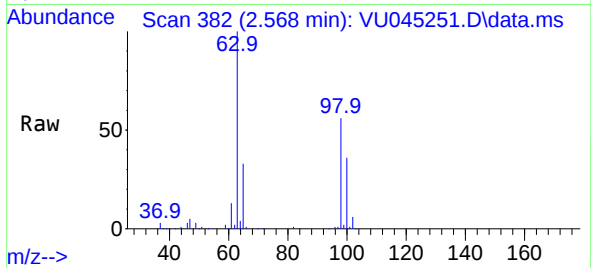




#12
1,1-Dichloroethene
Concen: 0.852 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.010 min
Lab File: VU045251.D
Acq: 08 Oct 2021 15:05

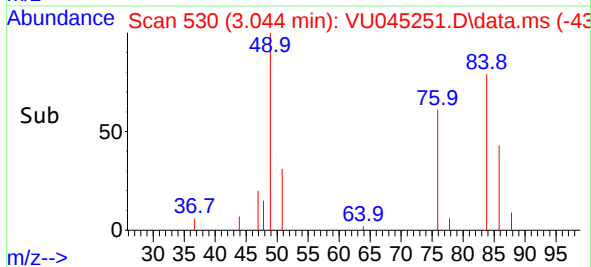
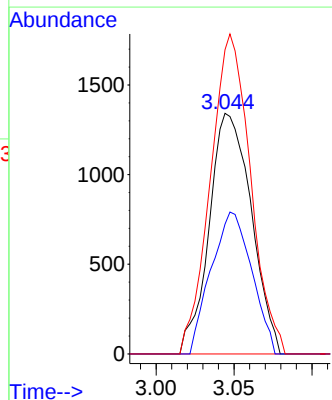
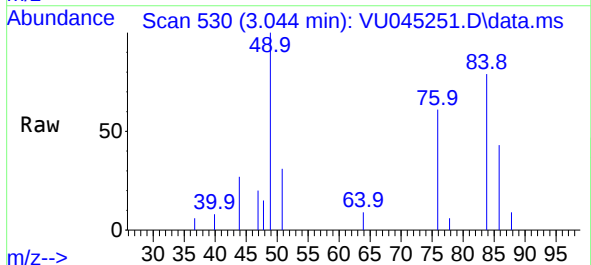
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MSVOA_U
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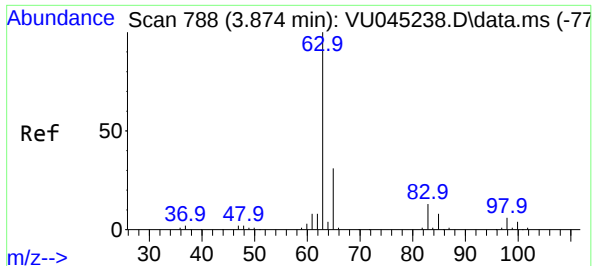
Tgt Ion: 96 Resp: 1825
Ion Ratio Lower Upper
96 100
61 1063.6 131.3 243.9#
63 8198.5 102.5 190.3#



#16
Methylene chloride
Concen: 0.931 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU045251.D
Acq: 08 Oct 2021 15:05

Tgt Ion: 84 Resp: 2526
Ion Ratio Lower Upper
84 100
86 53.9 44.7 83.1
49 126.5 92.9 172.5





#19

1,1-Dichloroethane

Concen: 3.945 ug/L

RT: 3.874 min Scan# 788

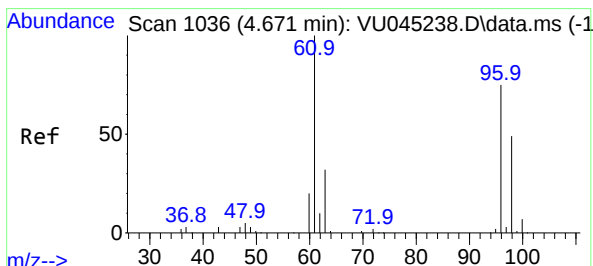
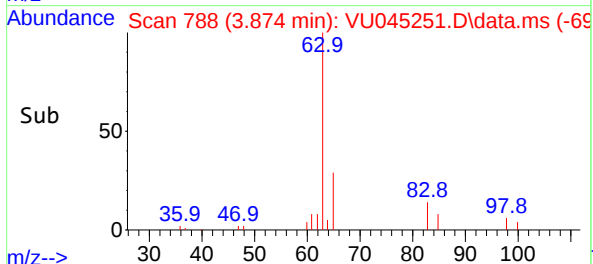
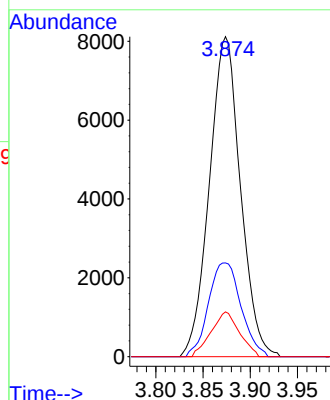
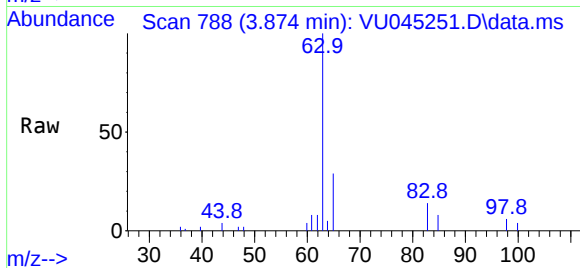
Delta R.T. 0.000 min

Lab File: VU045251.D

Acq: 08 Oct 2021 15:05

Tgt Ion:	63	Resp:	18525
Ion Ratio	Lower	Upper	
63	100		
65	28.0	22.0	40.8
83	13.4	9.0	16.6

Instrument :
MSVOA_U
ClientSampleId :



#20

cis-1,2-Dichloroethene

Concen: 30.265 ug/L

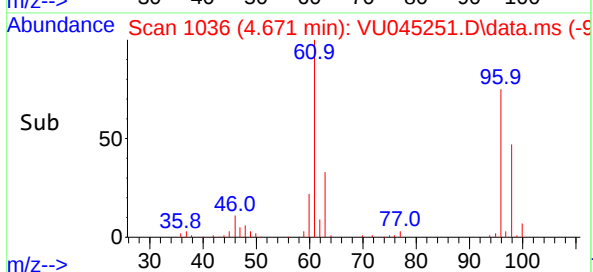
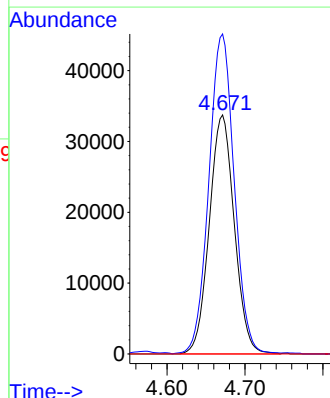
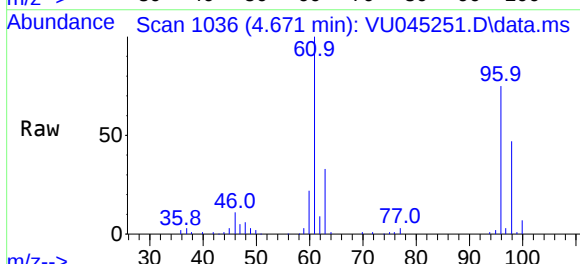
RT: 4.671 min Scan# 1036

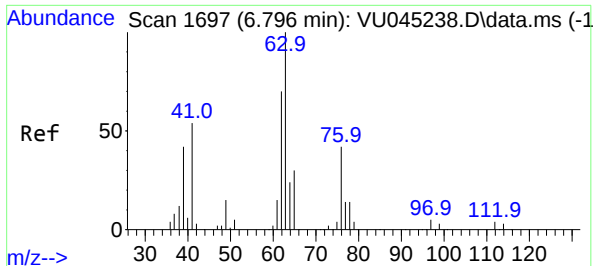
Delta R.T. 0.000 min

Lab File: VU045251.D

Acq: 08 Oct 2021 15:05

Tgt Ion:	96	Resp:	75271
Ion Ratio	Lower	Upper	
96	100		
61	133.8	100.2	186.0
68	0.0	0.0	0.0

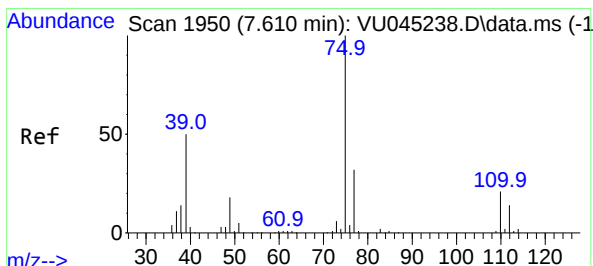
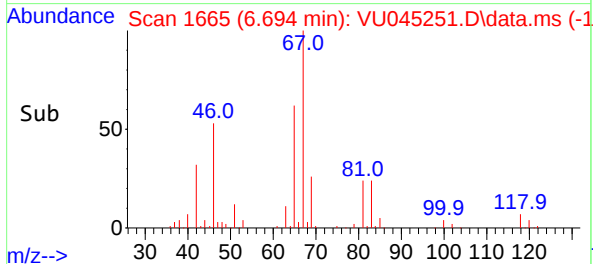
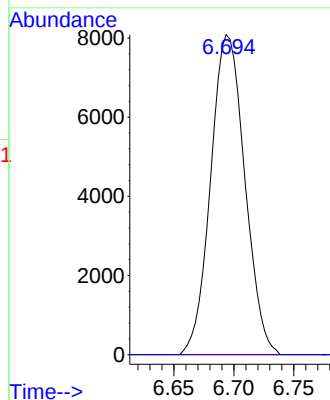
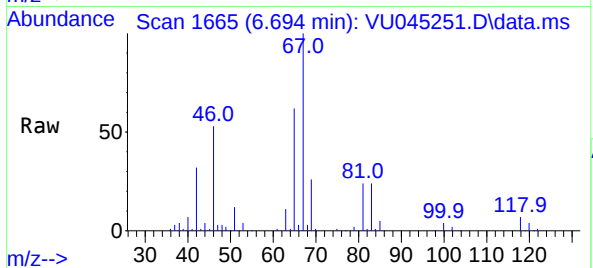




#37
1,2-Dichloropropane
Concen: 5.902 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU045251.D
Acq: 08 Oct 2021 15:05

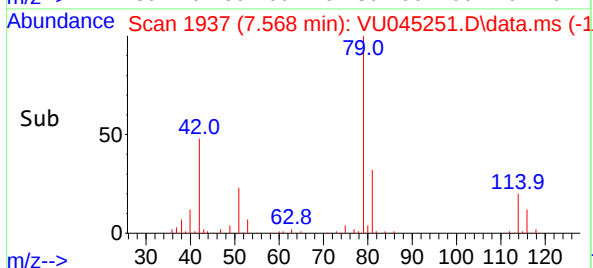
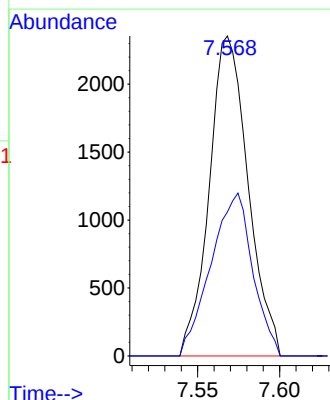
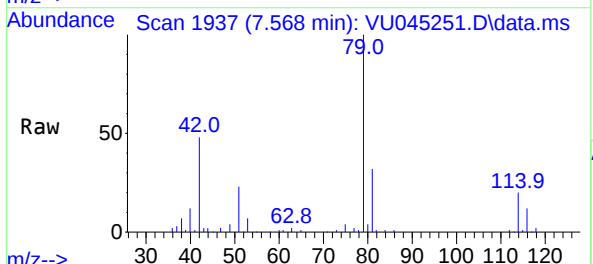
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MSVOA_U
ClientSampled :

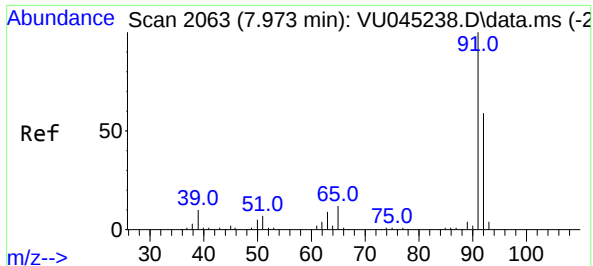
Tgt Ion: 63 Resp: 15993
Ion Ratio Lower Upper
63 100
112 4.0 3.2 4.8



#39
cis-1,3-Dichloropropene
Concen: 0.999 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.042 min
Lab File: VU045251.D
Acq: 08 Oct 2021 15:05

Tgt Ion: 75 Resp: 3873
Ion Ratio Lower Upper
75 100
77 45.0 22.4 41.6#

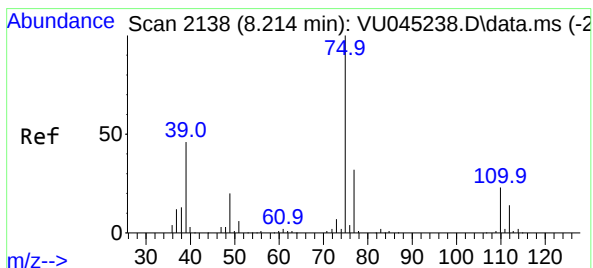
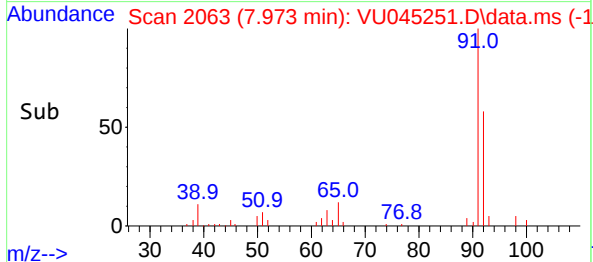
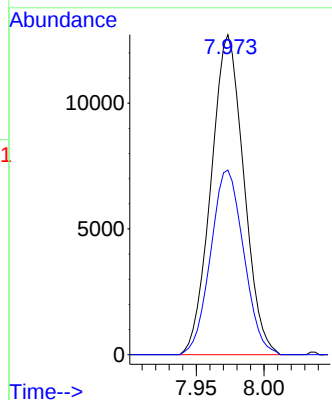
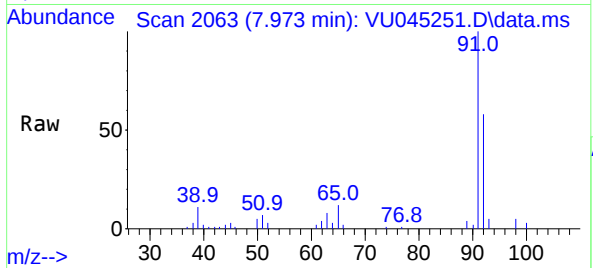




#42
Toluene
Concen: 2.114 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045251.D
Acq: 08 Oct 2021 15:05

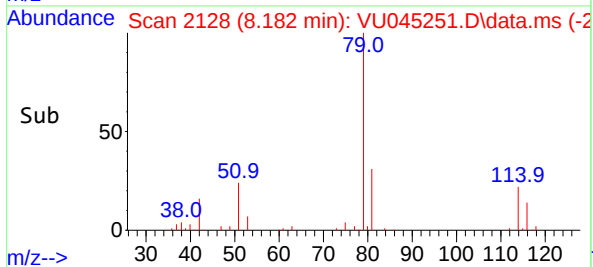
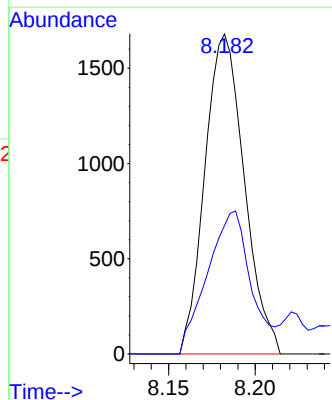
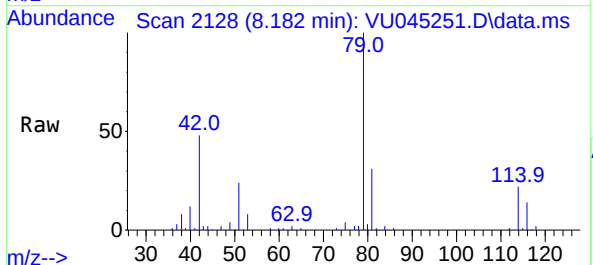
Instrument :
MSVOA_U
ClientSampled :

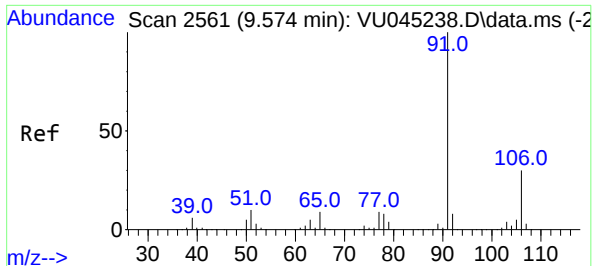
Tgt Ion: 91 Resp: 21374
Ion Ratio Lower Upper
91 100
92 57.7 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 0.721 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU045251.D
Acq: 08 Oct 2021 15:05

Tgt Ion: 75 Resp: 2660
Ion Ratio Lower Upper
75 100
77 40.2 21.7 40.3

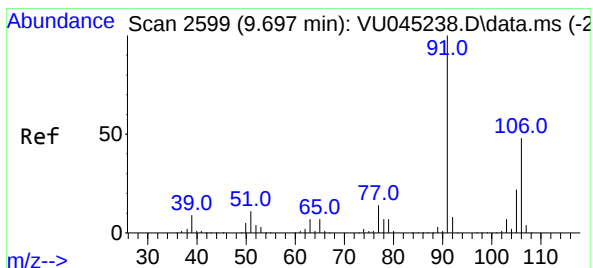
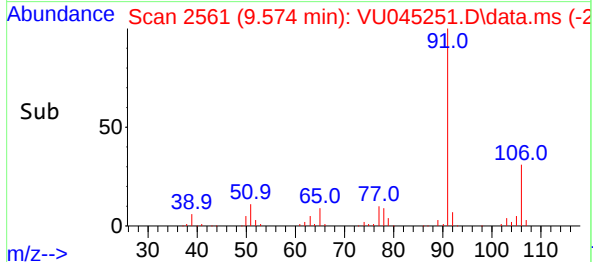
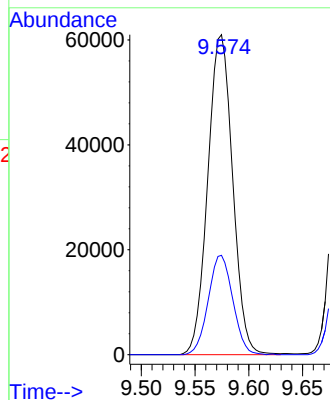
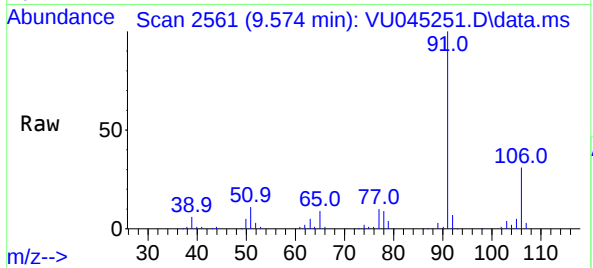




#52
Ethylbenzene
Concen: 9.184 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU045251.D
Acq: 08 Oct 2021 15:05

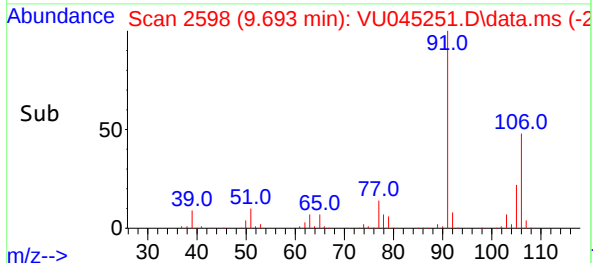
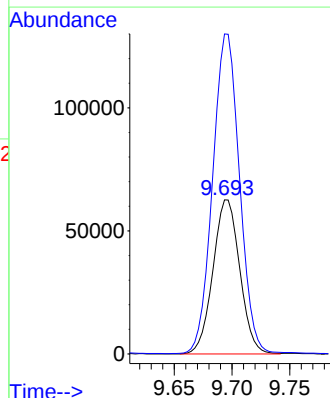
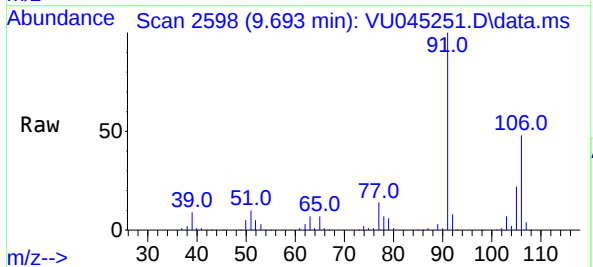
Instrument :
MSVOA_U
ClientSampled :

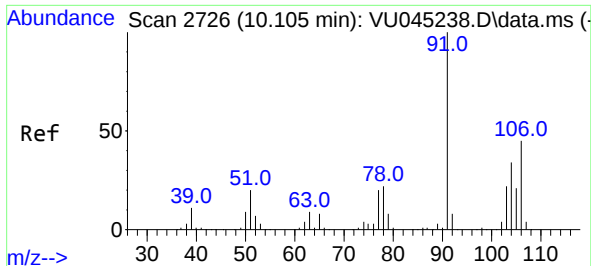
Tgt Ion: 91 Resp: 98111
Ion Ratio Lower Upper
91 100
106 31.1 21.2 39.4



#53
m,p-Xylene
Concen: 25.027 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU045251.D
Acq: 08 Oct 2021 15:05

Tgt Ion: 106 Resp: 101280
Ion Ratio Lower Upper
106 100
91 207.6 146.7 272.4

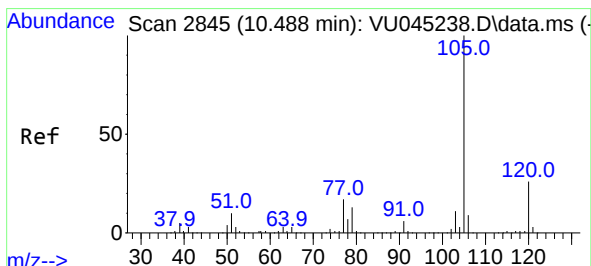
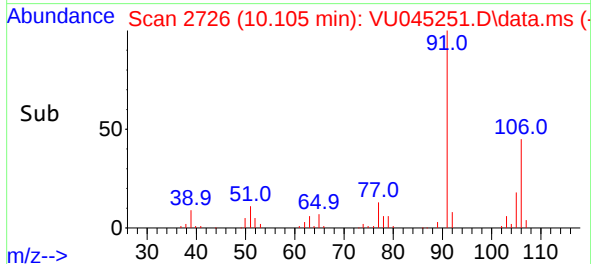
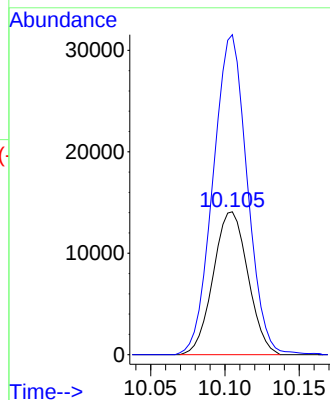
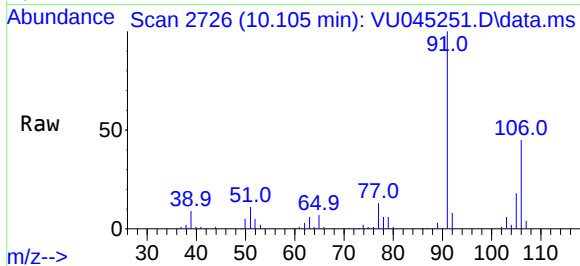




#54
o-xylene
Concen: 5.767 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. 0.000 min
Lab File: VU045251.D
Acq: 08 Oct 2021 15:05

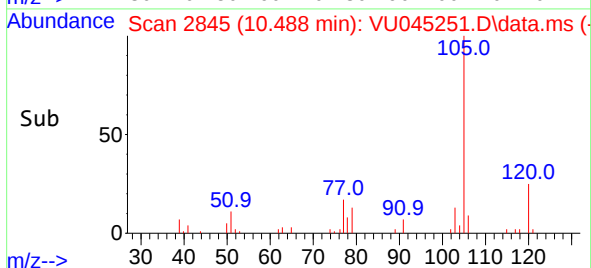
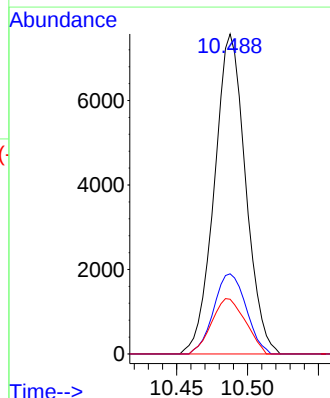
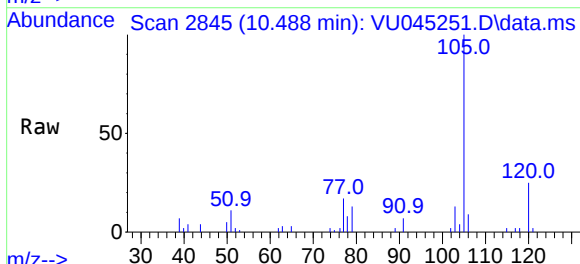
Instrument :
MSVOA_U
ClientSampleId :

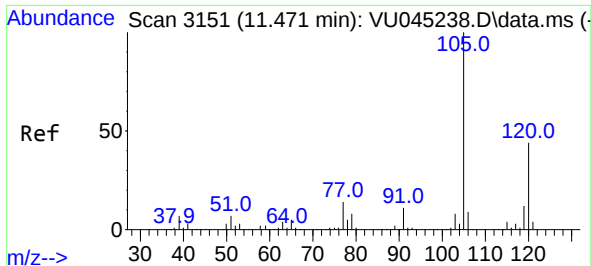
Tgt Ion:106 Resp: 22932
Ion Ratio Lower Upper
106 100
91 224.1 152.9 283.9



#61
Isopropylbenzene
Concen: 1.298 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VU045251.D
Acq: 08 Oct 2021 15:05

Tgt Ion:105 Resp: 11618
Ion Ratio Lower Upper
105 100
120 26.1 20.5 30.7
77 18.7 13.5 20.3

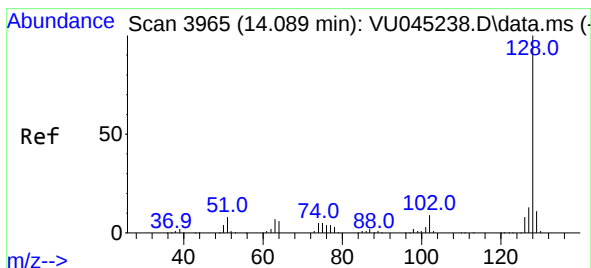
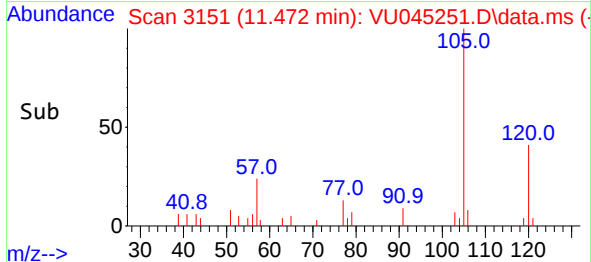
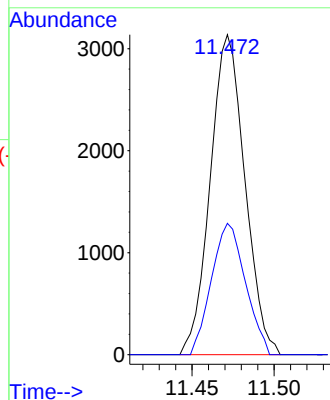
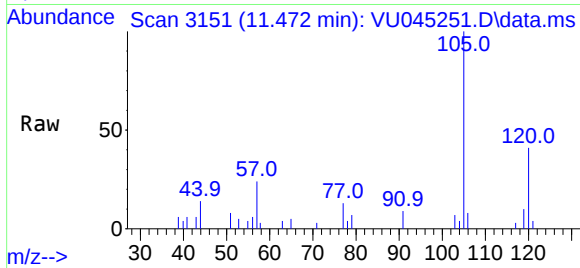




#63
1,2,4-Trimethylbenzene
Concen: 0.601 ug/L
RT: 11.472 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VU045251.D
Acq: 08 Oct 2021 15:05

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:105 Resp: 4600
Ion Ratio Lower Upper
105 100
120 40.2 35.7 53.5



#71
Naphthalene
Concen: 6.836 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045251.D
Acq: 08 Oct 2021 15:05

Tgt Ion:128 Resp: 56494
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.9 8.8 13.2

