

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100821\
 Data File : VU045246.D
 Acq On : 08 Oct 2021 13:06
 Operator : SY/MD
 Sample : M4024-14DL 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 09 05:31:15 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	288129	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	277495	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	120206	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	145186	46.030	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	92.060%	
7) Chloroethane-d5	1.896	69	115313	46.135	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	92.280%	
11) 1,1-Dichloroethene-d2	2.562	63	179075	33.807	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	67.620%	
21) 2-Butanone-d5	4.629	46	209211	83.899	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	83.900%	
24) Chloroform-d	5.067	84	212110	42.578	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	85.160%	
26) 1,2-Dichloroethane-d4	5.707	65	150442	44.583	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	89.160%	
32) Benzene-d6	5.732	84	455910	47.348	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	94.700%	
36) 1,2-Dichloropropane-d6	6.694	67	144132	45.906	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	91.820%	
41) Toluene-d8	7.903	98	390047	46.939	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	93.880%	
43) trans-1,3-Dichloroprop...	8.182	79	64364	46.085	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	92.180%	
47) 2-Hexanone-d5	8.636	63	143951	82.734	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	82.730%	
56) 1,1,2,2-Tetrachloroeth...	10.761	84	213729	43.716	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	87.440%	
66) 1,2-Dichlorobenzene-d4	12.198	152	132939	50.817	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	101.640%	
Target Compounds						
5) Vinyl chloride	1.604	62	11302	3.355	ug/L #	1
12) 1,1-Dichloroethene	2.575	96	7576	3.395	ug/L #	1
19) 1,1-Dichloroethane	3.871	63	6477	1.325	ug/L	95
20) cis-1,2-Dichloroethene	4.671	96	308532	119.125	ug/L	95
25) Chloroform	5.089	83	3488	0.718	ug/L	79
30) 1,1,1-Trichloroethane	5.321	97	62902	16.375	ug/L	99
31) Carbon tetrachloride	5.321	117	7891	2.601	ug/L	97
34) Trichloroethene	6.546	95	6411	2.593	ug/L	97
37) 1,2-Dichloropropane	6.697	63	16503	5.889	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	3930	0.980	ug/L #	67
42) Toluene	7.973	91	7268	0.695	ug/L	91
44) trans-1,3-Dichloropropene	8.182	75	2844	0.746	ug/L	91
52) Ethylbenzene	9.575	91	10279	0.930	ug/L	98
53) m,p-Xylene	9.694	106	17183	4.106	ug/L	100
54) o-xylene	10.102	106	2099	0.510	ug/L	100
60) 1,2,3-Trichloropropane	11.816	75	16130	4.852	ug/L #	66

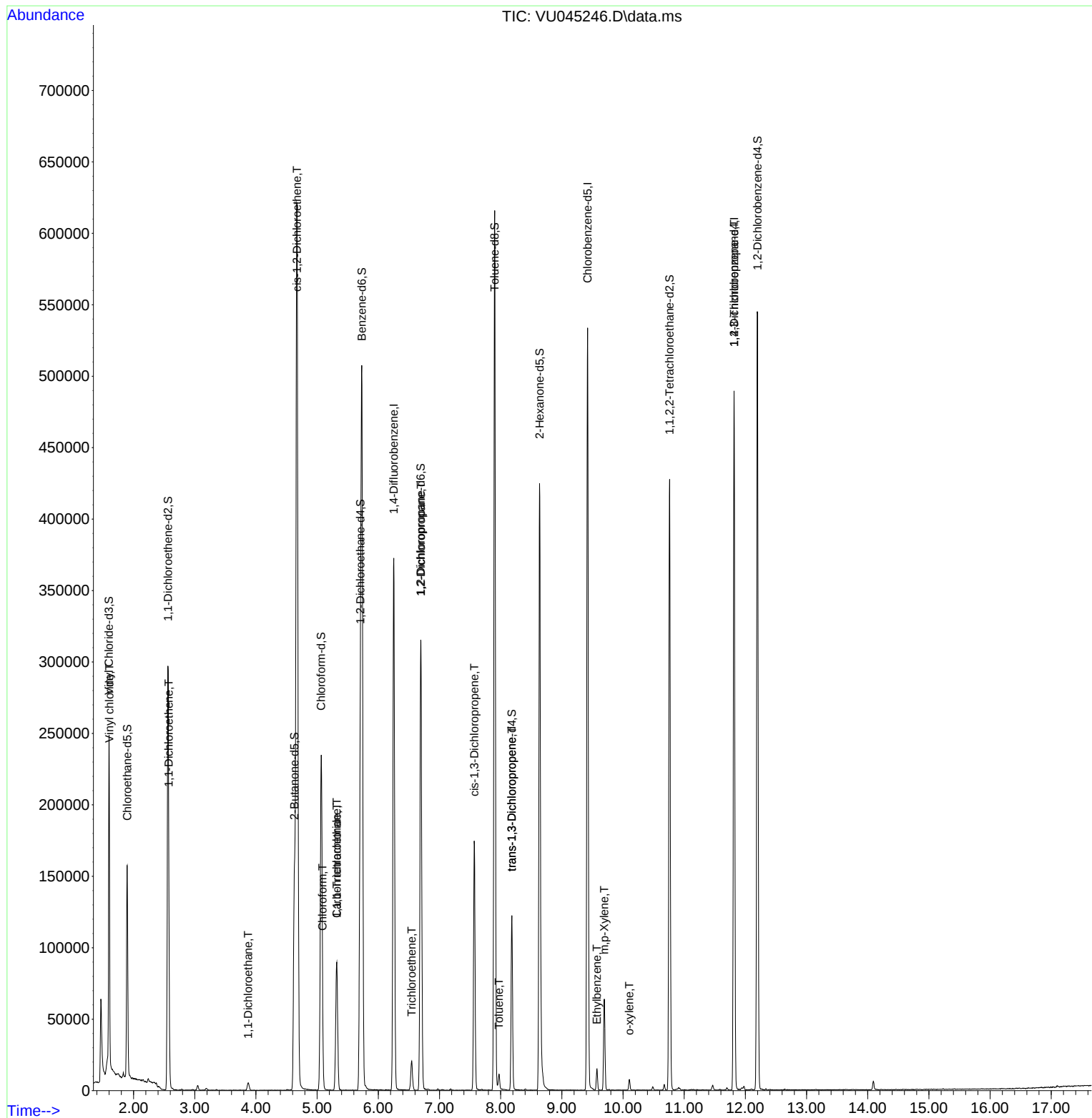
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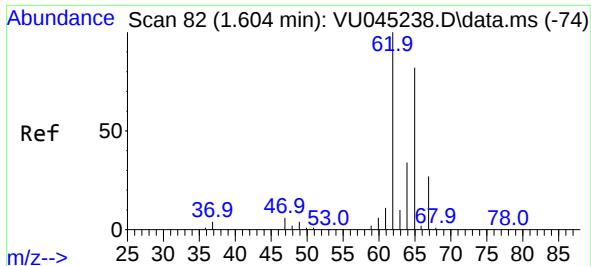
Instrument :
MSVOA_U
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100821\
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MSVOA_U
ClientSampleId :

Quant Time: Oct 09 05:31:15 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

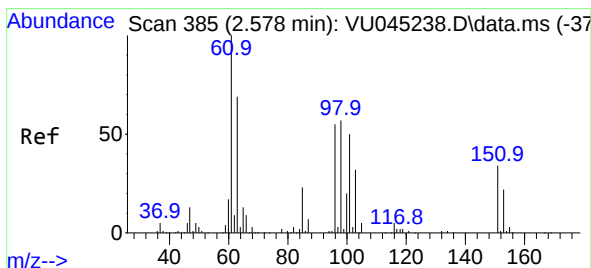
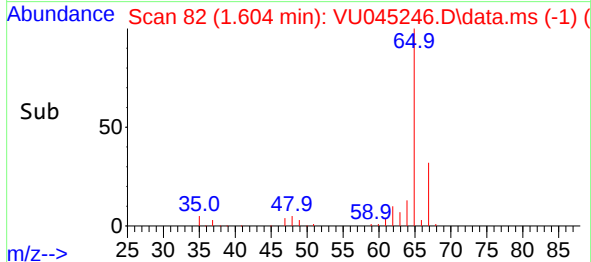
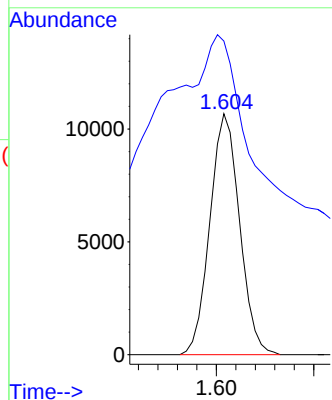
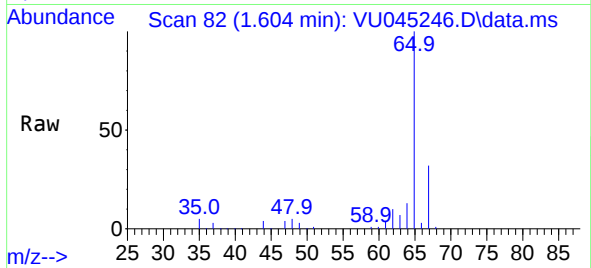




#5
 Vinyl chloride
 Concen: 3.355 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU045246.D
 Acq: 08 Oct 2021 13:06

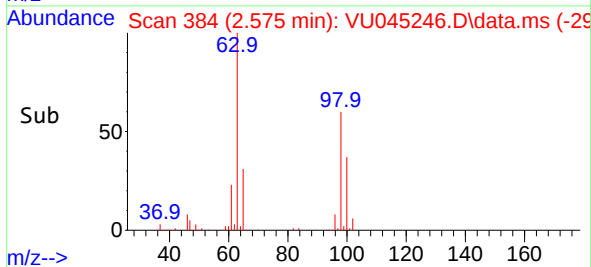
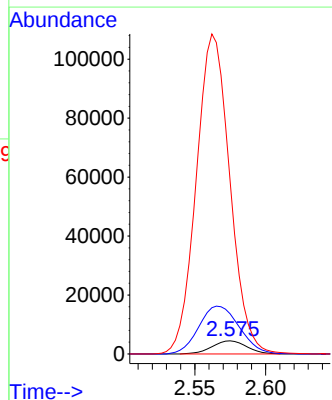
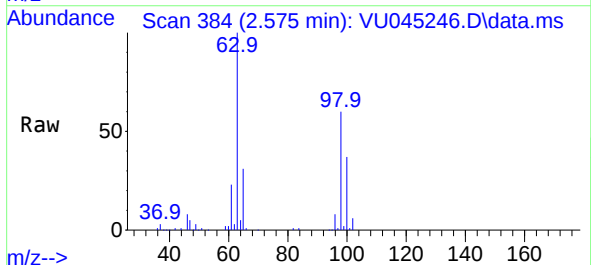
Instrument :
 MSVOA_U
 ClientSampled :

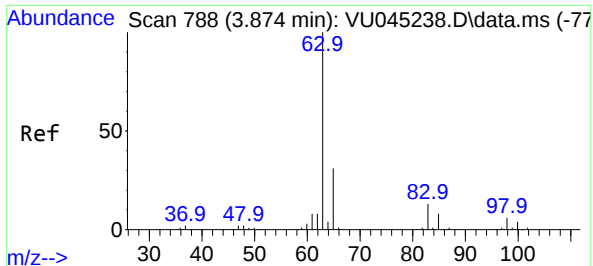
Tgt Ion: 62 Resp: 11302
 Ion Ratio Lower Upper
 62 100
 64 130.2 23.4 43.6#



#12
 1,1-Dichloroethene
 Concen: 3.395 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU045246.D
 Acq: 08 Oct 2021 13:06

Tgt Ion: 96 Resp: 7576
 Ion Ratio Lower Upper
 96 100
 61 307.9 131.3 243.9#
 63 1323.6 102.5 190.3#



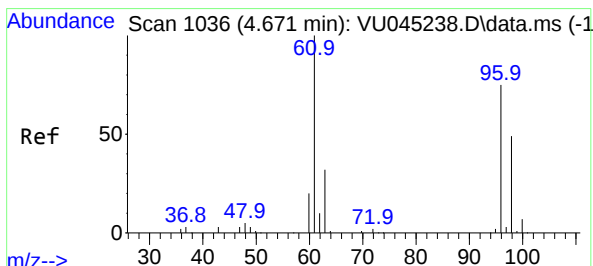
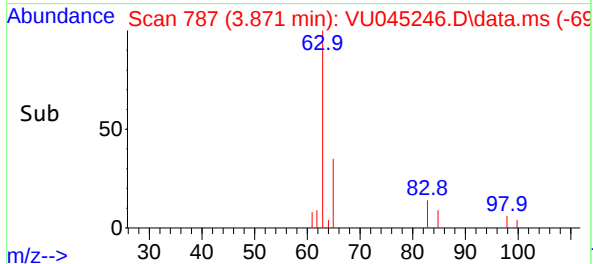
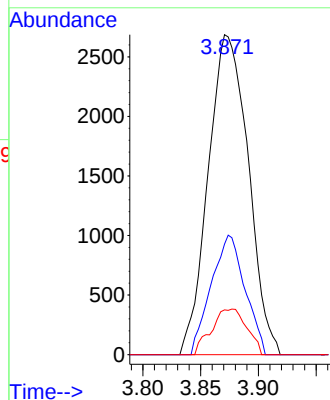
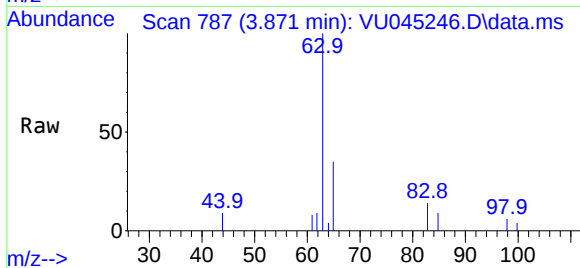


#19

1,1-Dichloroethane
Concen: 1.325 ug/L
RT: 3.871 min Scan# 787
Delta R.T. -0.003 min
Lab File: VU045246.D
Acq: 08 Oct 2021 13:06

Instrument :
MSVOA_U
ClientSampled :

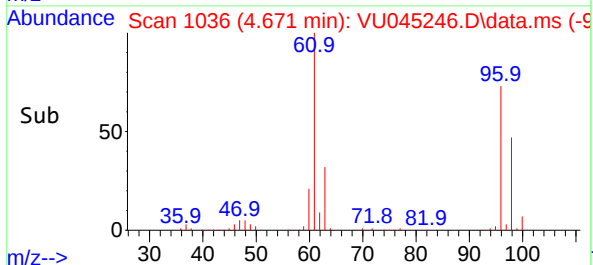
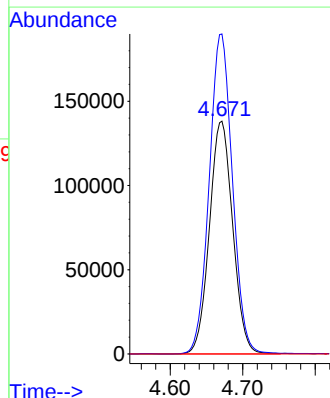
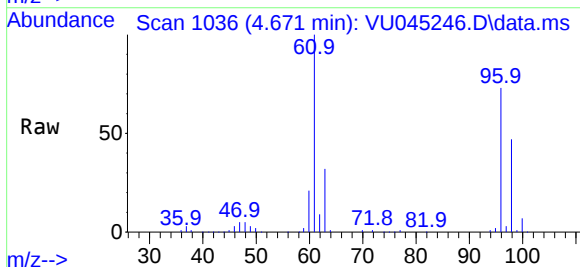
Tgt Ion:	63	Resp:	6477
Ion	Ratio	Lower	Upper
63	100		
65	34.5	22.0	40.8
83	14.0	9.0	16.6

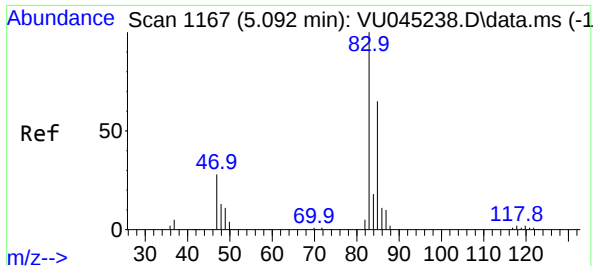


#20

cis-1,2-Dichloroethene
Concen: 119.125 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU045246.D
Acq: 08 Oct 2021 13:06

Tgt Ion:	96	Resp:	308532
Ion	Ratio	Lower	Upper
96	100		
61	137.5	100.2	186.0
68	0.0	0.0	0.0



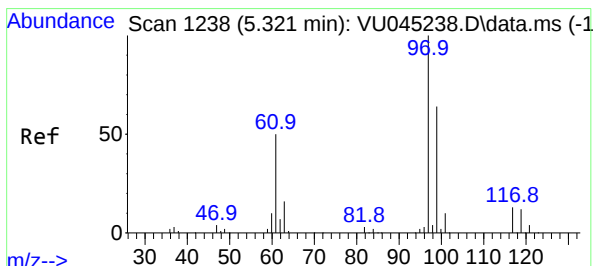
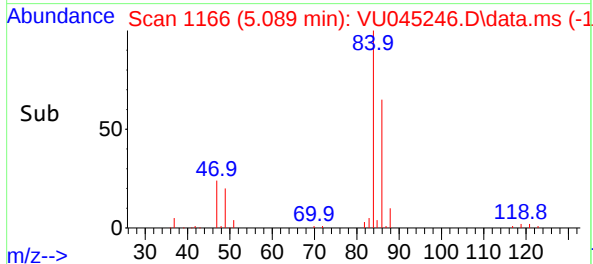
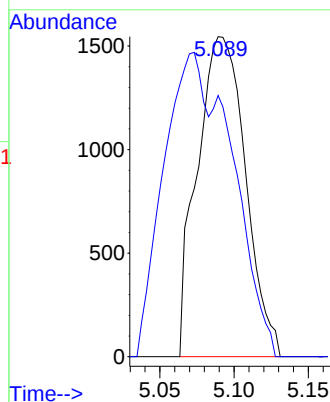
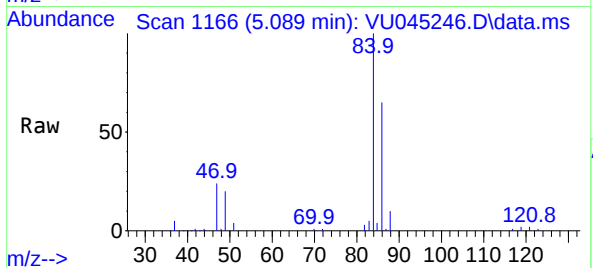


#25

Chloroform
Concen: 0.718 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. -0.003 min
Lab File: VU045246.D
Acq: 08 Oct 2021 13:06

Instrument :
MSVOA_U
ClientSampled :

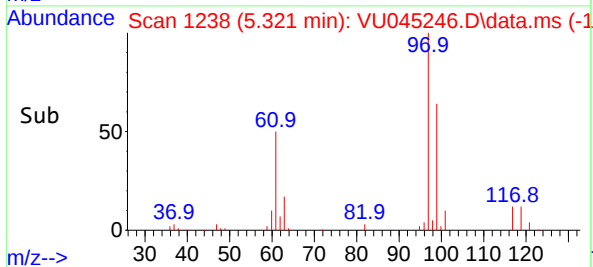
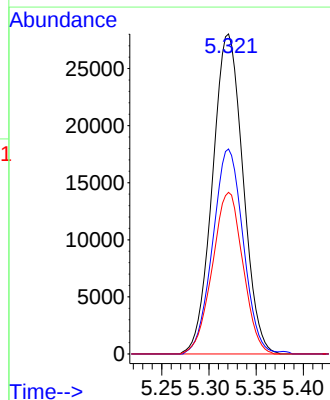
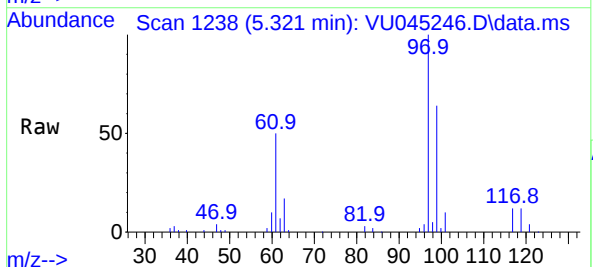
Tgt Ion: 83 Resp: 3488
Ion Ratio Lower Upper
83 100
85 81.6 45.6 84.6

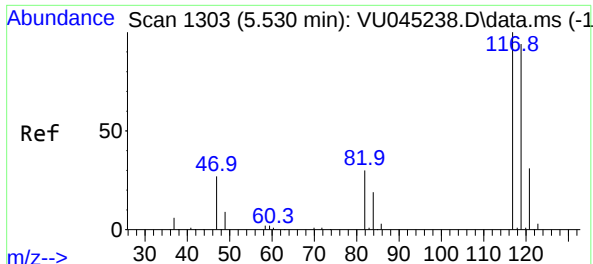


#30

1,1,1-Trichloroethane
Concen: 16.375 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VU045246.D
Acq: 08 Oct 2021 13:06

Tgt Ion: 97 Resp: 62902
Ion Ratio Lower Upper
97 100
99 63.9 50.6 75.8
61 50.7 41.3 61.9

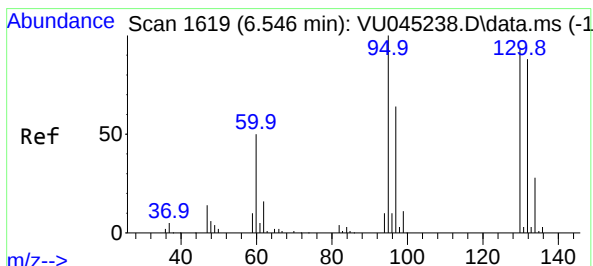
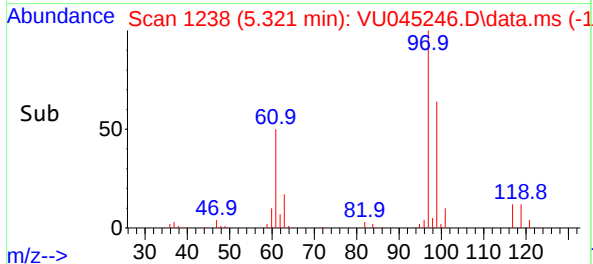
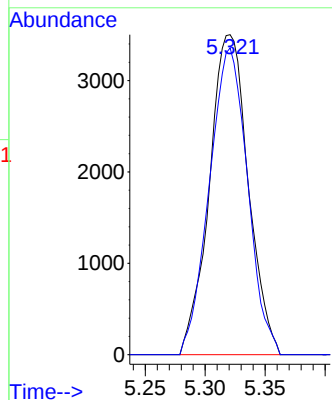
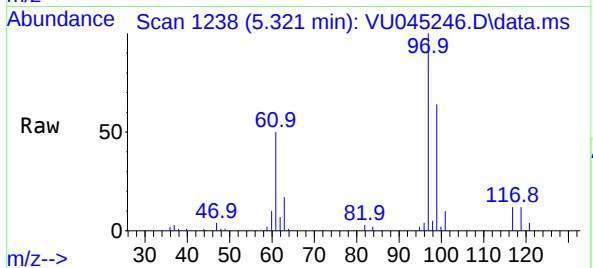




#31
Carbon tetrachloride
Concen: 2.601 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.209 min
Lab File: VU045246.D
Acq: 08 Oct 2021 13:06

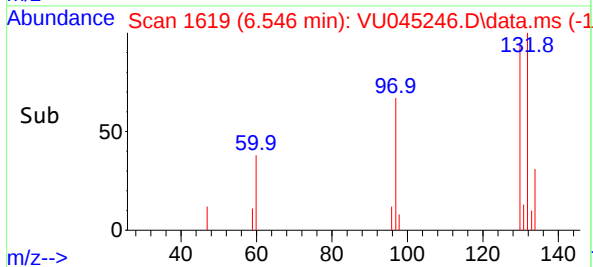
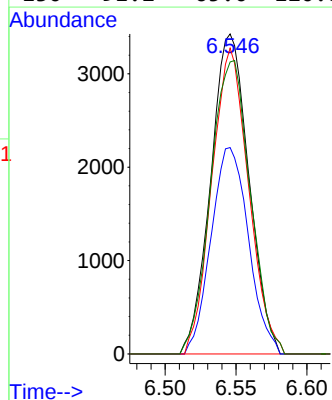
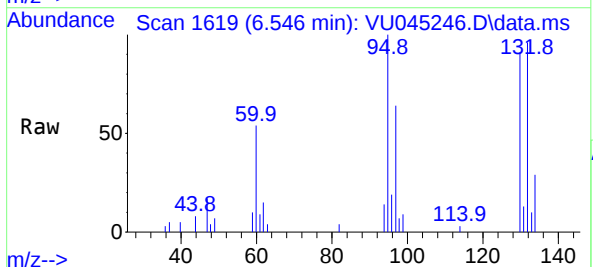
Instrument :
MSVOA_U
ClientSampleId :

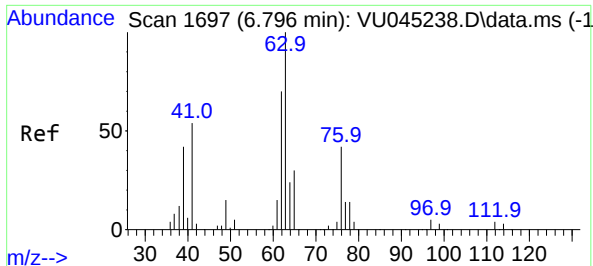
Tgt Ion:117 Resp: 7891
Ion Ratio Lower Upper
117 100
119 94.1 77.7 116.5



#34
Trichloroethene
Concen: 2.593 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045246.D
Acq: 08 Oct 2021 13:06

Tgt Ion: 95 Resp: 6411
Ion Ratio Lower Upper
95 100
97 64.5 44.4 82.4
132 95.6 62.9 116.9
130 91.2 65.0 120.8

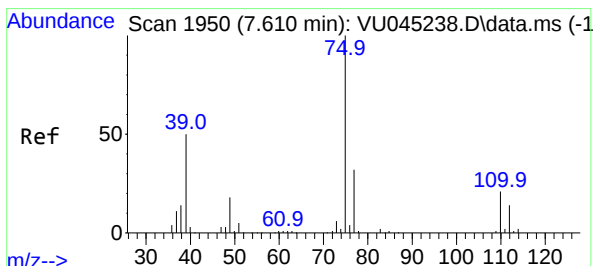
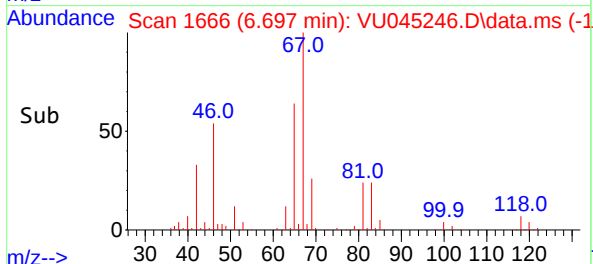
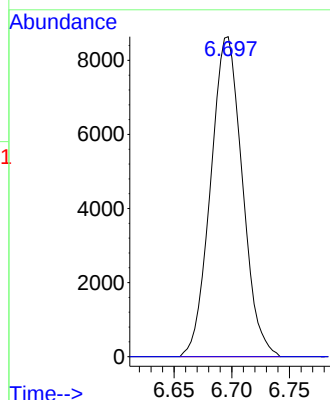
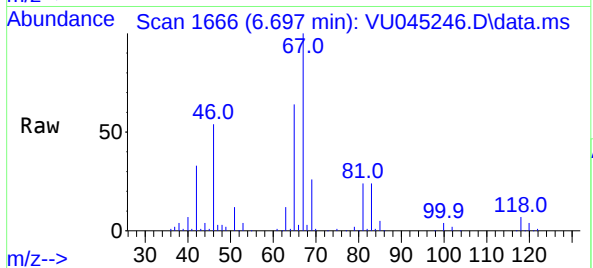




#37
1,2-Dichloropropane
Concen: 5.889 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.100 min
Lab File: VU045246.D
Acq: 08 Oct 2021 13:06

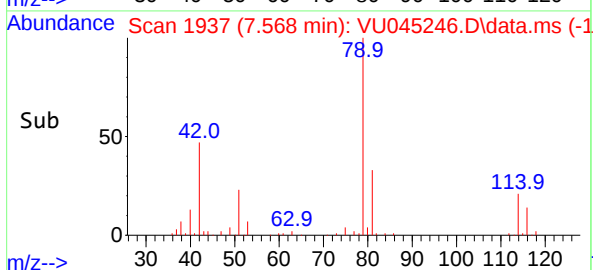
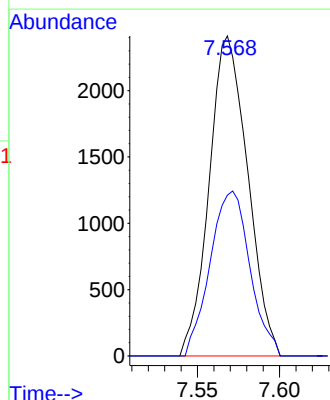
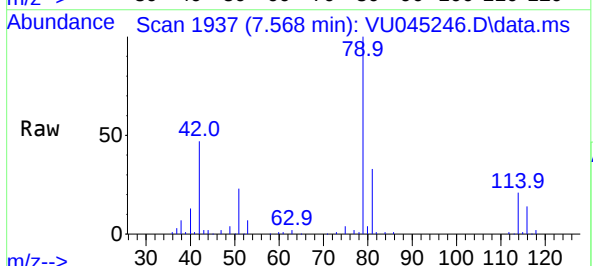
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MSVOA_U
ClientSampled :

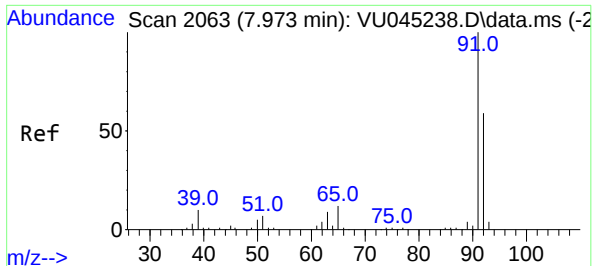
Tgt Ion: 63 Resp: 16503
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



#39
cis-1,3-Dichloropropene
Concen: 0.980 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.042 min
Lab File: VU045246.D
Acq: 08 Oct 2021 13:06

Tgt Ion: 75 Resp: 3930
Ion Ratio Lower Upper
75 100
77 50.2 22.4 41.6#





#42

Toluene

Concen: 0.695 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU045246.D

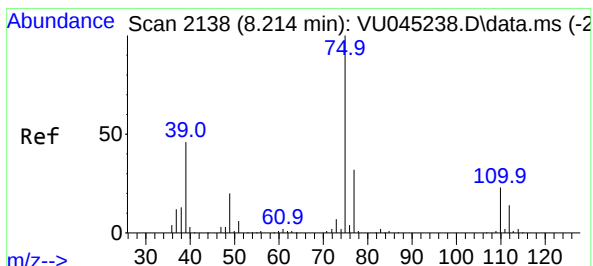
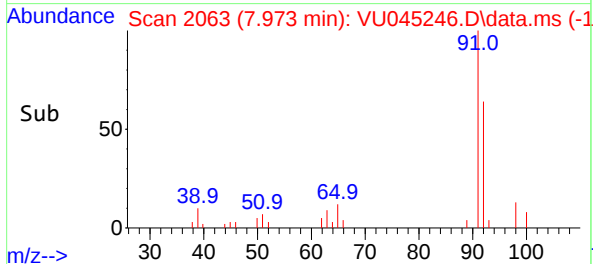
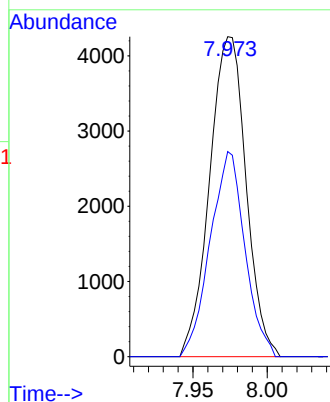
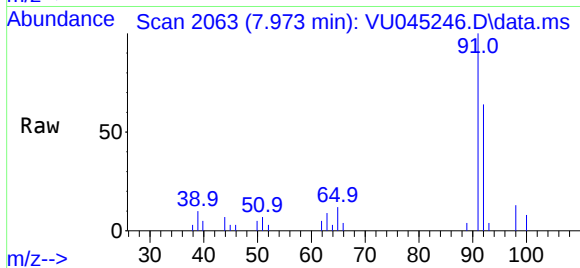
Acq: 08 Oct 2021 13:06

Tgt Ion: 91 Resp: 7268

Ion Ratio Lower Upper

91 100

92 64.1 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 0.746 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.032 min

Lab File: VU045246.D

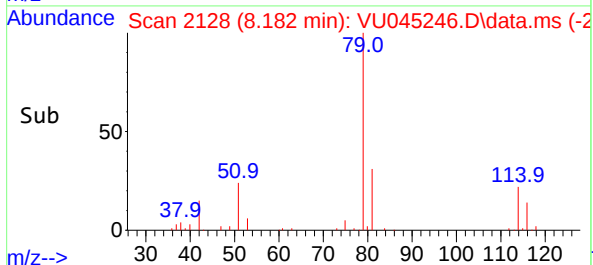
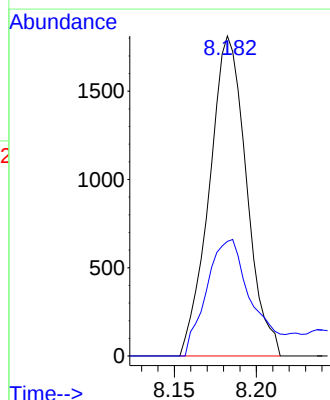
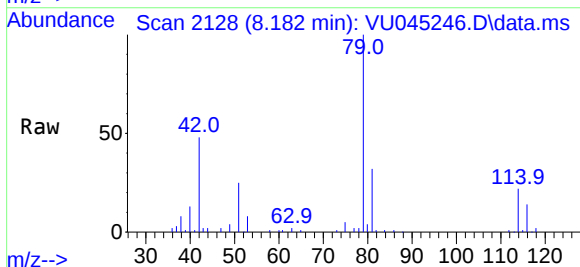
Acq: 08 Oct 2021 13:06

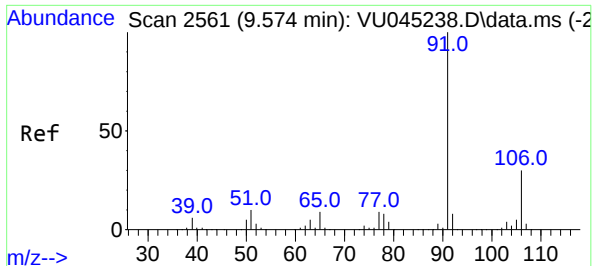
Tgt Ion: 75 Resp: 2844

Ion Ratio Lower Upper

75 100

77 35.8 21.7 40.3

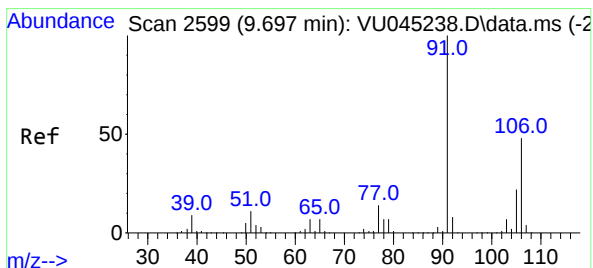
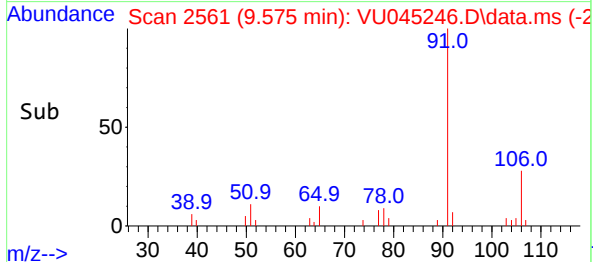
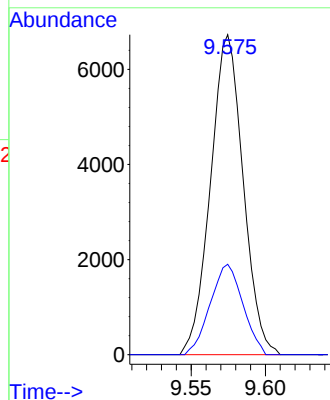
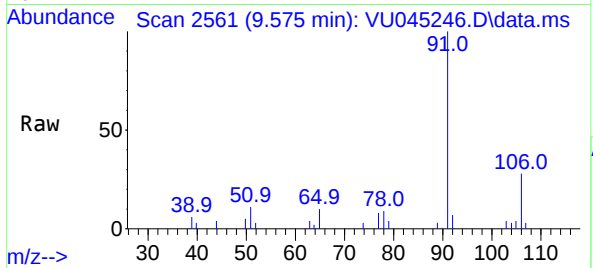




#52
Ethylbenzene
Concen: 0.930 ug/L
RT: 9.575 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU045246.D
Acq: 08 Oct 2021 13:06

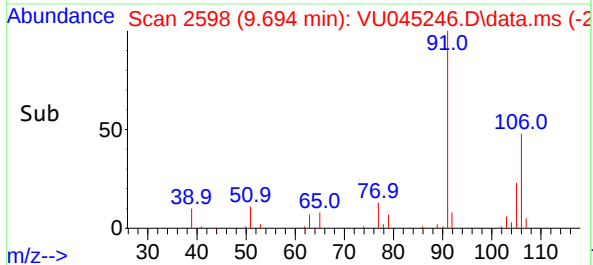
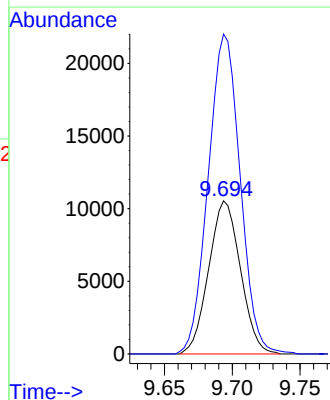
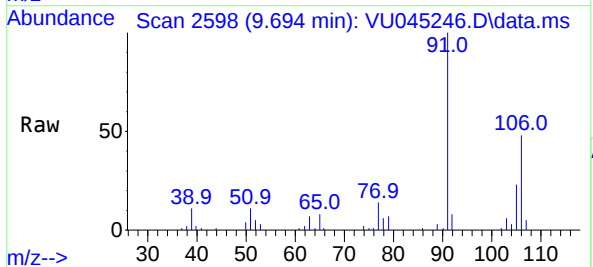
Instrument :
MSVOA_U
ClientSampled :

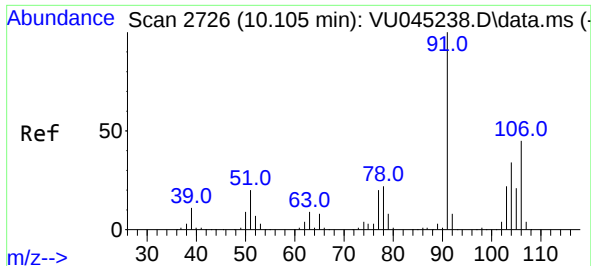
Tgt Ion: 91 Resp: 10279
Ion Ratio Lower Upper
91 100
106 31.5 21.2 39.4



#53
m,p-Xylene
Concen: 4.106 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU045246.D
Acq: 08 Oct 2021 13:06

Tgt Ion: 106 Resp: 17183
Ion Ratio Lower Upper
106 100
91 209.0 146.7 272.4

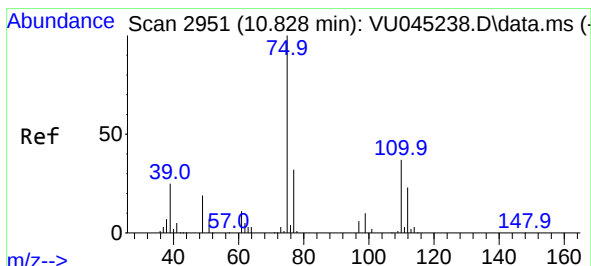
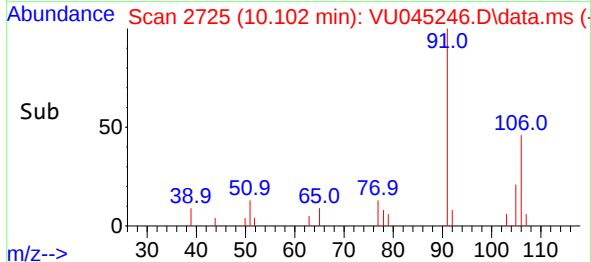
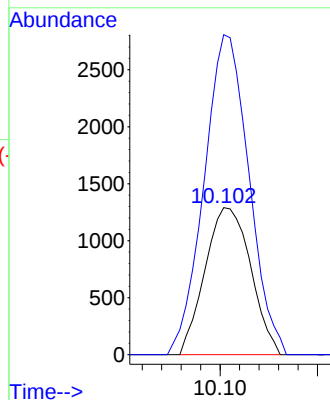
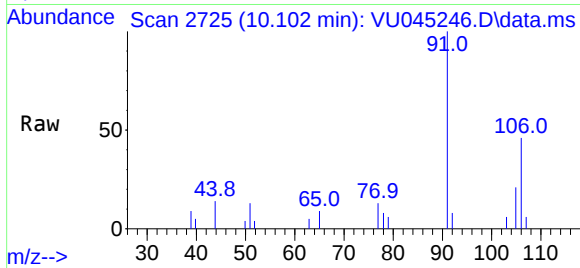




#54
o-xylene
Concen: 0.510 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU045246.D
Acq: 08 Oct 2021 13:06

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:106 Resp: 2099
Ion Ratio Lower Upper
106 100
91 217.7 152.9 283.9



#60
1,2,3-Trichloropropane
Concen: 4.852 ug/L
RT: 11.816 min Scan# 3258
Delta R.T. 0.987 min
Lab File: VU045246.D
Acq: 08 Oct 2021 13:06

Tgt Ion: 75 Resp: 16130
Ion Ratio Lower Upper
75 100
77 35.6 25.5 38.3
110 1.9 29.0 43.4#

