

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100721\
 Data File : VU045201.D
 Acq On : 07 Oct 2021 10:56
 Operator : SY/MD
 Sample : M4023-11 250X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 07 21:36:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 07 21:34:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	291606	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	275364	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	123248	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	119465	37.424	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.840%
7) Chloroethane-d5	1.900	69	102093	40.359	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.720%
11) 1,1-Dichloroethene-d2	2.565	63	178270	33.254	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.500%
21) 2-Butanone-d5	4.626	46	202689	80.314	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.310%
24) Chloroform-d	5.070	84	201555	39.977	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.960%
26) 1,2-Dichloroethane-d4	5.706	65	146372	42.860	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.720%
32) Benzene-d6	5.732	84	422912	44.261	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.520%
36) 1,2-Dichloropropane-d6	6.694	67	134611	43.206	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.420%
41) Toluene-d8	7.903	98	370514	44.933	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.860%
43) trans-1,3-Dichloroprop...	8.182	79	60435	43.607	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.220%
47) 2-Hexanone-d5	8.636	63	148714	86.133	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.130%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	208580	42.993	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.980%
66) 1,2-Dichlorobenzene-d4	12.195	152	131778	49.130	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.260%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	4736	1.389	ug/L #	1
6) Bromomethane	1.842	94	1087	0.665	ug/L	89
12) 1,1-Dichloroethene	2.578	96	36795	16.294	ug/L #	52
16) Methylene chloride	3.047	84	212027	74.113	ug/L	94
19) 1,1-Dichloroethane	3.874	63	21438	4.332	ug/L	96
20) cis-1,2-Dichloroethene	4.671	96	204474	78.006	ug/L	94
25) Chloroform	5.092	83	3987	0.810	ug/L	82
30) 1,1,1-Trichloroethane	5.321	97	190947	50.094	ug/L	98
31) Carbon tetrachloride	5.321	117	23088	7.669	ug/L	100
34) Trichloroethene	6.546	95	436630	177.992	ug/L	99
35) Methylcyclohexane	6.694	83	32111	7.819	ug/L #	17
37) 1,2-Dichloropropane	6.694	63	15703	5.647	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	3764	0.946	ug/L #	79
42) Toluene	7.973	91	7959	0.767	ug/L	96
44) trans-1,3-Dichloropropene	8.185	75	2833	0.749	ug/L	86
45) 1,1,2-Trichloroethane	8.404	97	1679	0.666	ug/L	96
53) m,p-Xylene	9.697	106	3976	0.957	ug/L	92
54) o-xylene	10.105	106	1779	0.436	ug/L	95
60) 1,2,3-Trichloropropane	11.816	75	16587	4.866	ug/L #	69

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ALS Vial : 5 Sample Multiplier: 1

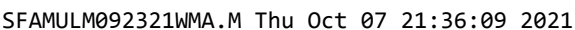
Instrument :
MSVOA_U
ClientSampleId :

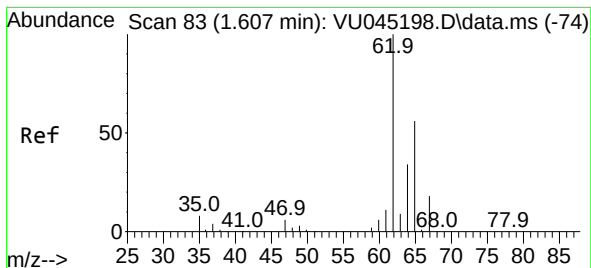
Quant Time: Oct 07 21:36:01 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 07 21:34:31 2021
Response via : Initial Calibration

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

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

Quant Time: Oct 07 21:36:01 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 07 21:34:31 2021
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.389 ug/L

RT: 1.604 min Scan# 82

Delta R.T. -0.003 min

Lab File: VU045201.D

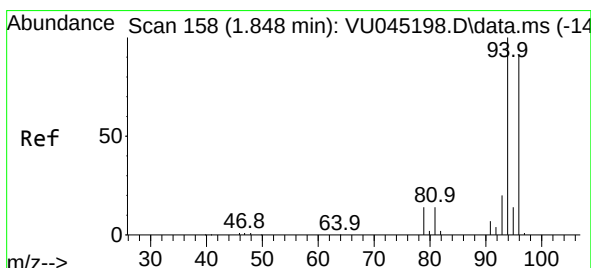
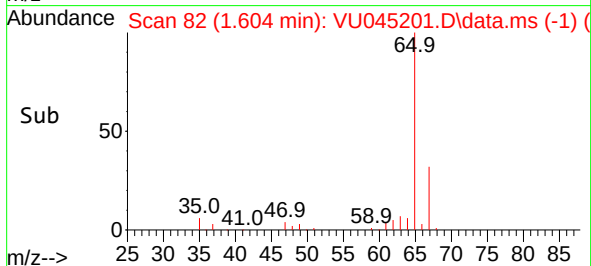
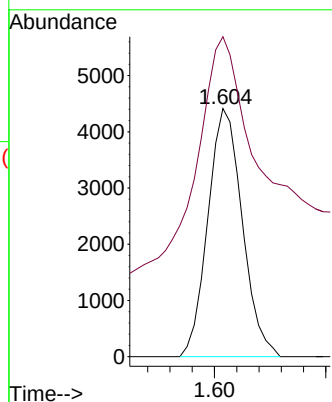
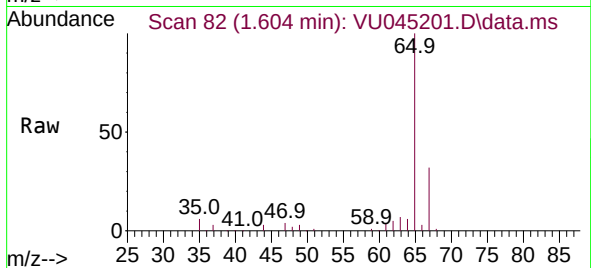
Acq: 07 Oct 2021 10:56

Tgt Ion: 62 Resp: 4736

Ion Ratio Lower Upper

62 100

64 129.0 23.4 43.6#



#6

Bromomethane

Concen: 0.665 ug/L

RT: 1.842 min Scan# 156

Delta R.T. -0.006 min

Lab File: VU045201.D

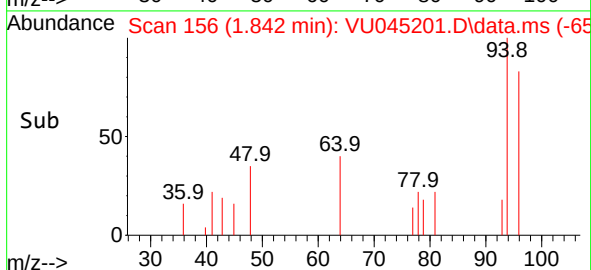
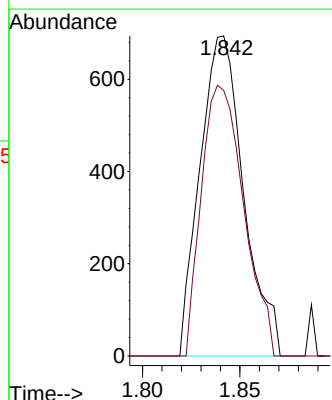
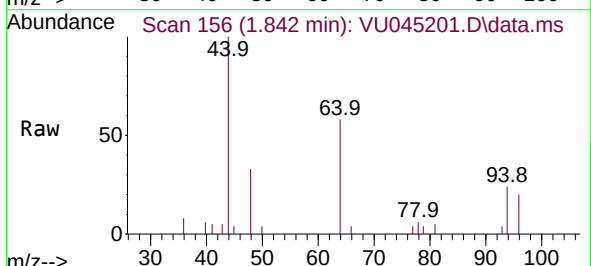
Acq: 07 Oct 2021 10:56

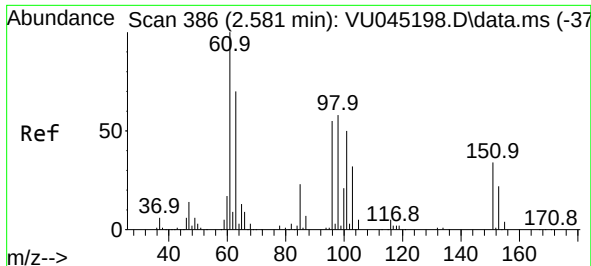
Tgt Ion: 94 Resp: 1087

Ion Ratio Lower Upper

94 100

96 83.0 65.7 121.9

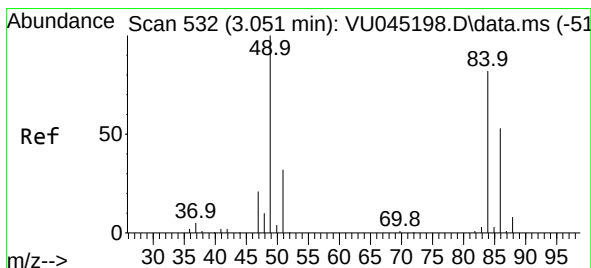
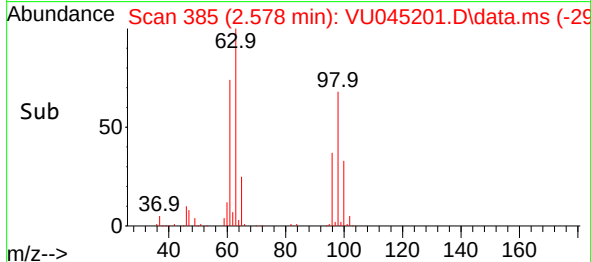
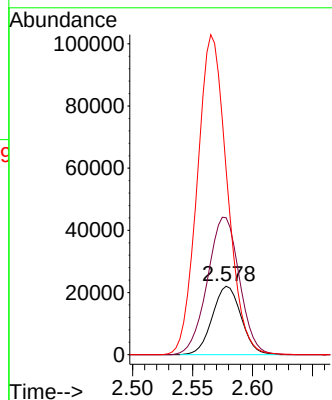
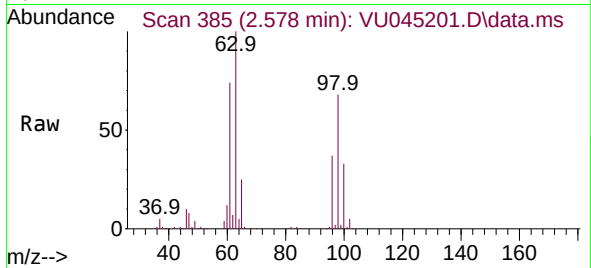




#12
1,1-Dichloroethene
Concen: 16.294 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU045201.D
Acq: 07 Oct 2021 10:56

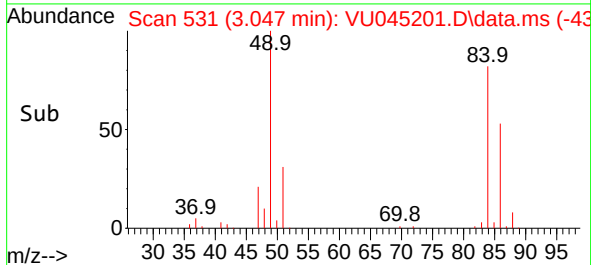
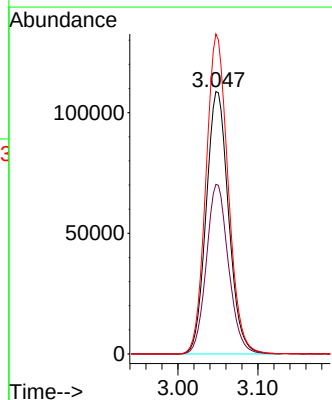
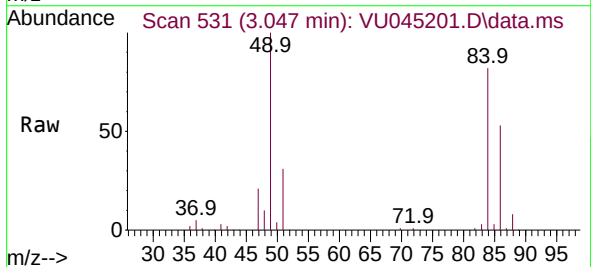
Instrument :
MSVOA_U
ClientSampleId :

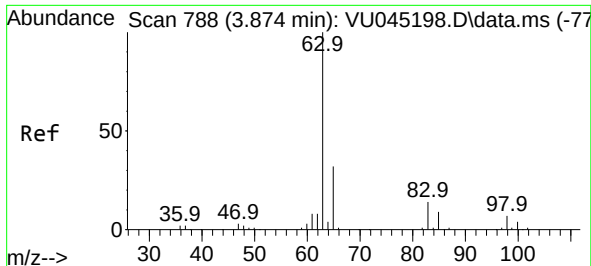
Tgt Ion: 96 Resp: 36795
Ion Ratio Lower Upper
96 100
61 199.9 131.3 243.9
63 269.9 102.5 190.3#



#16
Methylene chloride
Concen: 74.113 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.003 min
Lab File: VU045201.D
Acq: 07 Oct 2021 10:56

Tgt Ion: 84 Resp: 212027
Ion Ratio Lower Upper
84 100
86 64.6 44.7 83.1
49 121.9 92.9 172.5





#19

1,1-Dichloroethane

Concen: 4.332 ug/L

RT: 3.874 min Scan# 788

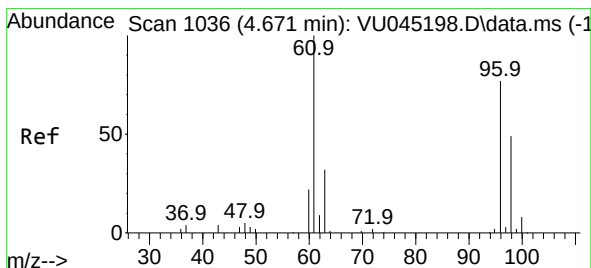
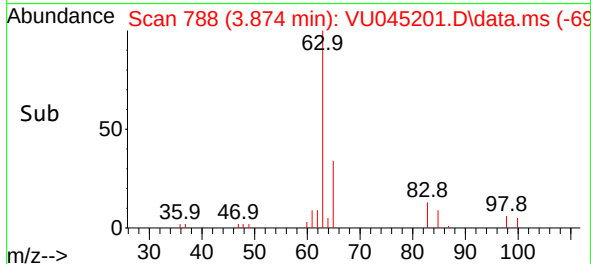
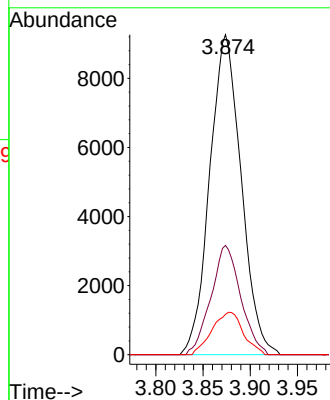
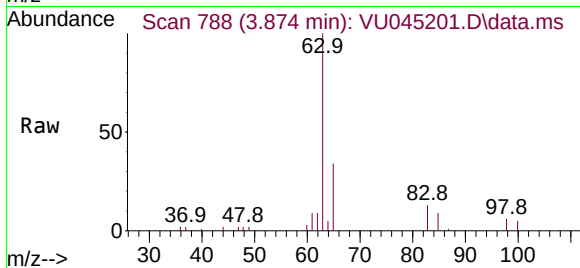
Delta R.T. 0.000 min

Lab File: VU045201.D

Acq: 07 Oct 2021 10:56

Tgt Ion: 63 Resp: 21438

Ion	Ratio	Lower	Upper
63	100		
65	34.2	22.0	40.8
83	12.6	9.0	16.6



#20

cis-1,2-Dichloroethene

Concen: 78.006 ug/L

RT: 4.671 min Scan# 1036

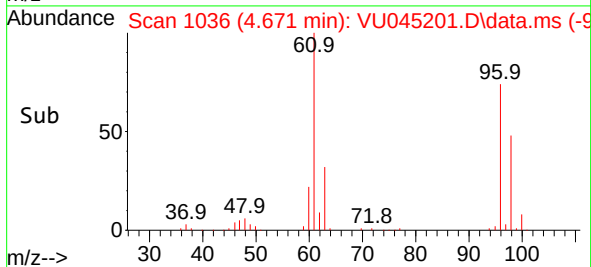
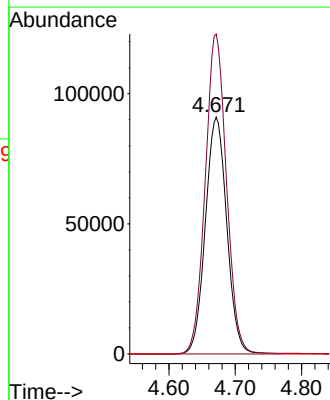
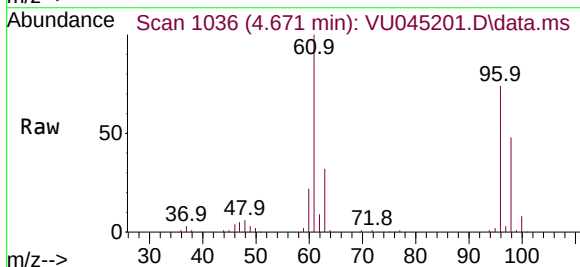
Delta R.T. 0.000 min

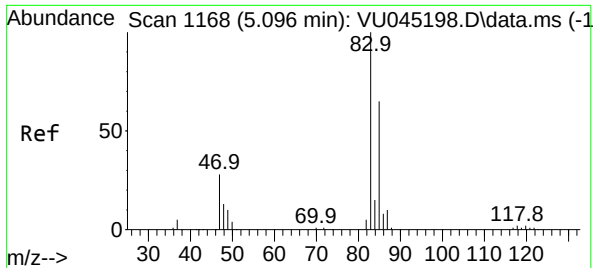
Lab File: VU045201.D

Acq: 07 Oct 2021 10:56

Tgt Ion: 96 Resp: 204474

Ion	Ratio	Lower	Upper
96	100		
61	135.1	100.2	186.0
68	0.0	0.0	0.0



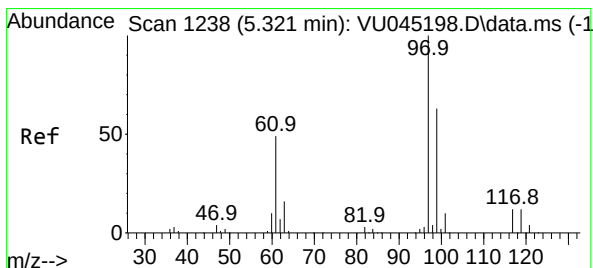
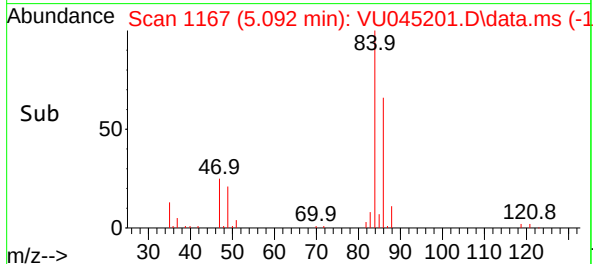
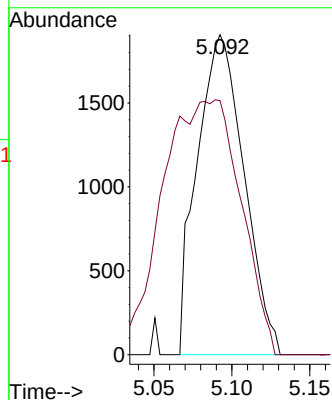
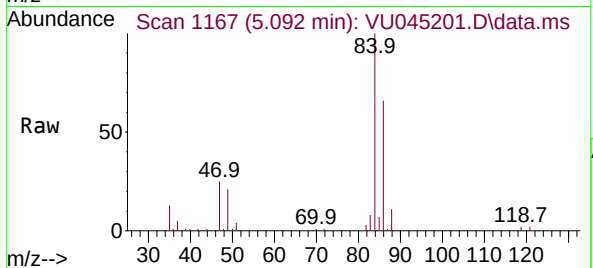


#25

Chloroform
Concen: 0.810 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.003 min
Lab File: VU045201.D
Acq: 07 Oct 2021 10:56

Instrument :
MSVOA_U
ClientSampled :

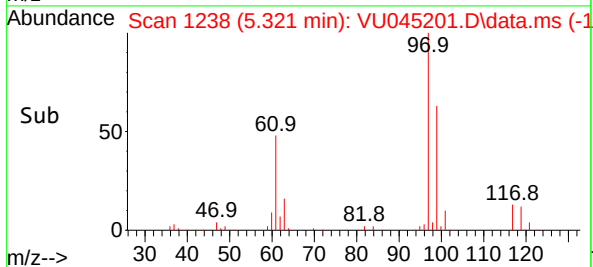
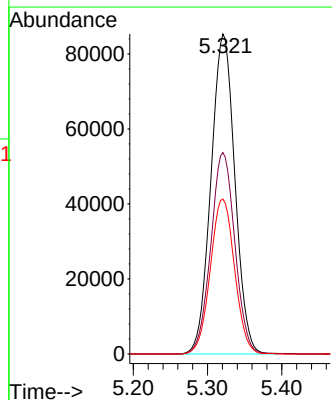
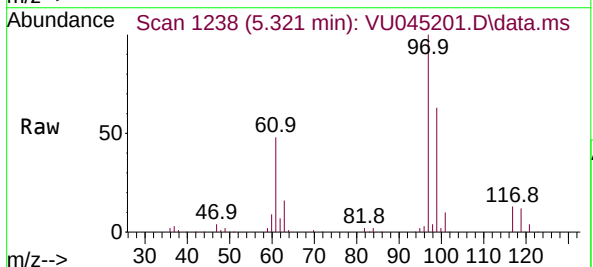
Tgt Ion: 83 Resp: 3987
Ion Ratio Lower Upper
83 100
85 79.4 45.6 84.6

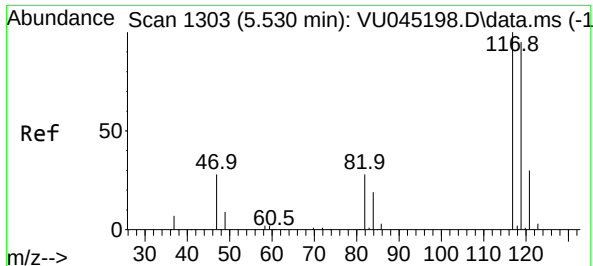


#30

1,1,1-Trichloroethane
Concen: 50.094 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VU045201.D
Acq: 07 Oct 2021 10:56

Tgt Ion: 97 Resp: 190947
Ion Ratio Lower Upper
97 100
99 63.4 50.6 75.8
61 49.1 41.3 61.9

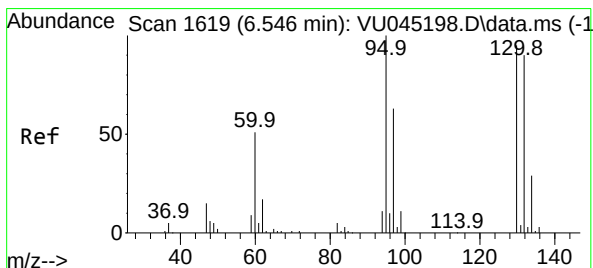
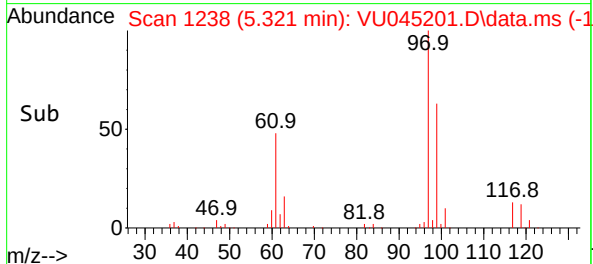
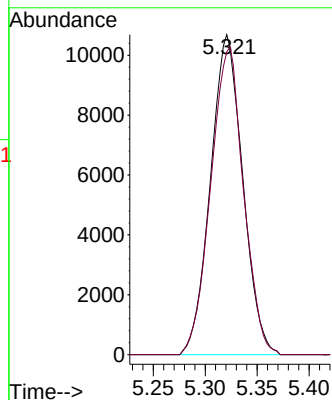
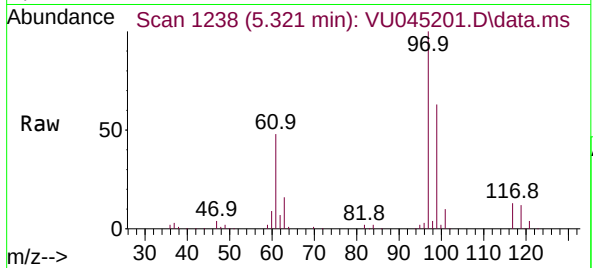




#31
Carbon tetrachloride
Concen: 7.669 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.209 min
Lab File: VU045201.D
Acq: 07 Oct 2021 10:56

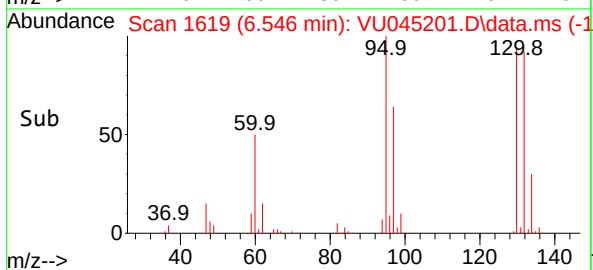
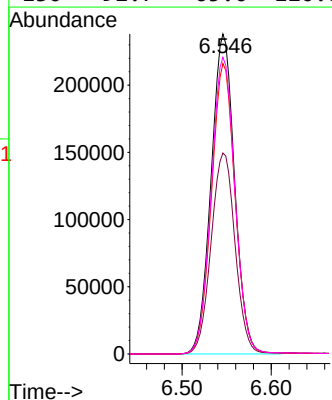
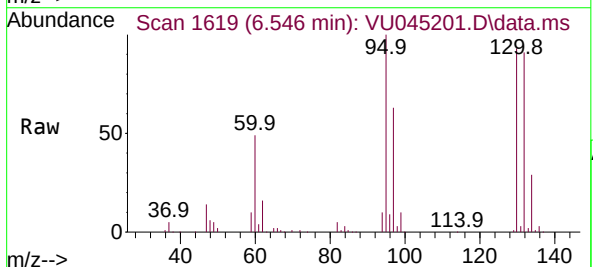
Instrument :
MSVOA_U
ClientSampleId :

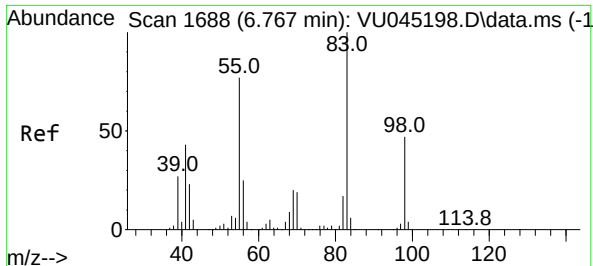
Tgt Ion:117 Resp: 23088
Ion Ratio Lower Upper
117 100
119 97.5 77.7 116.5



#34
Trichloroethene
Concen: 177.992 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045201.D
Acq: 07 Oct 2021 10:56

Tgt Ion: 95 Resp: 436630
Ion Ratio Lower Upper
95 100
97 62.8 44.4 82.4
132 90.8 62.9 116.9
130 92.7 65.0 120.8





#35

Methylcyclohexane

Concen: 7.819 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU045201.D

Acq: 07 Oct 2021 10:56

Tgt Ion: 83 Resp: 32111

Ion Ratio Lower Upper

83 100

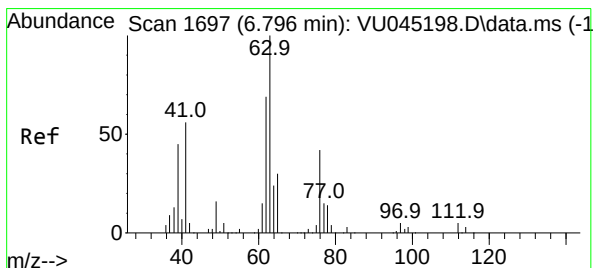
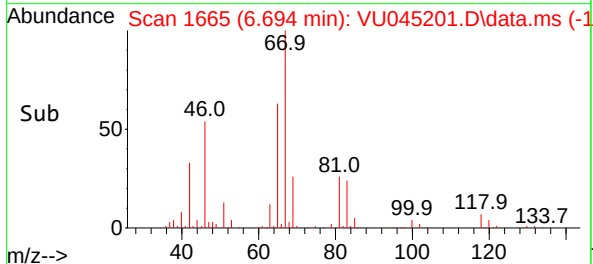
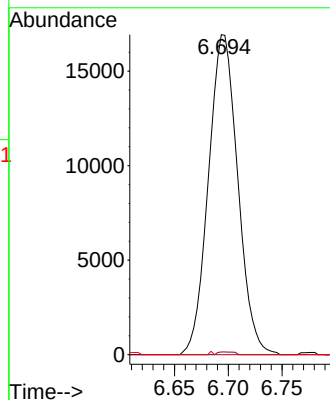
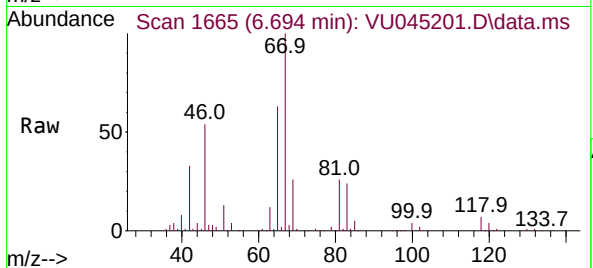
55 0.3 65.8 98.6#

98 0.6 37.1 55.7#

Instrument :

MSVOA_U

ClientSampleId :



#37

1,2-Dichloropropane

Concen: 5.647 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.103 min

Lab File: VU045201.D

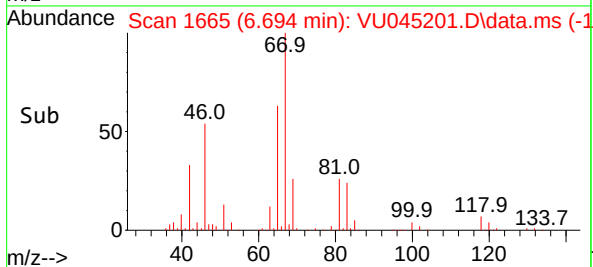
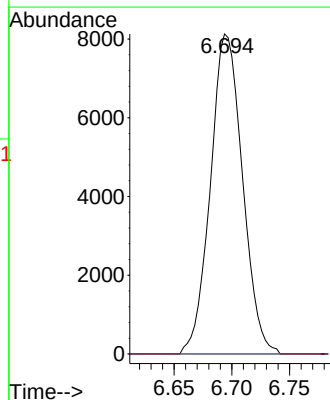
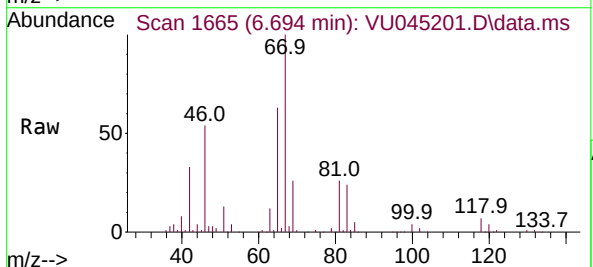
Acq: 07 Oct 2021 10:56

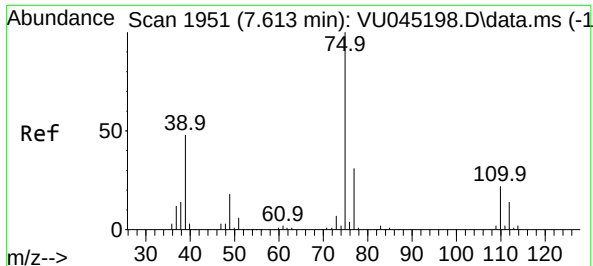
Tgt Ion: 63 Resp: 15703

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



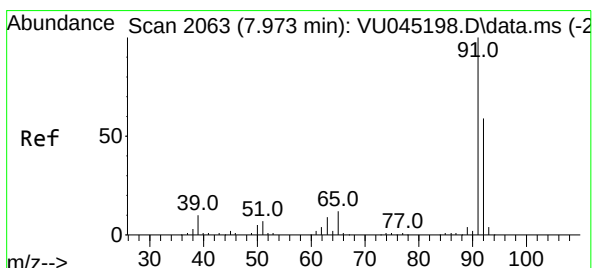
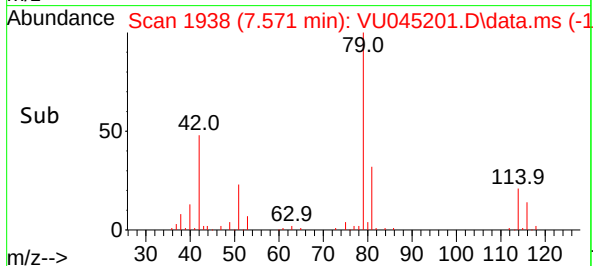
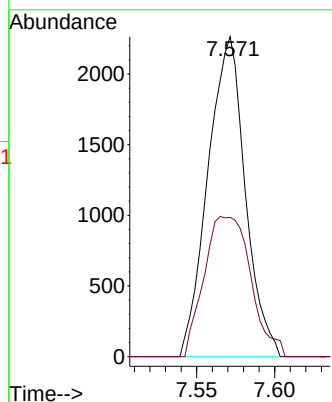
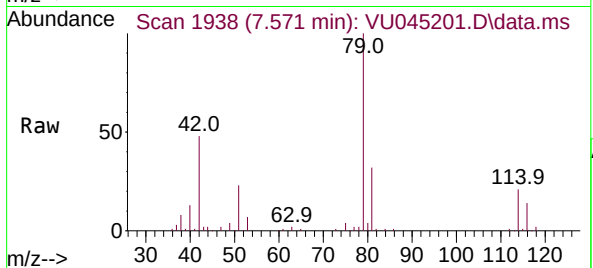


#39

cis-1,3-Dichloropropene
Concen: 0.946 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU045201.D
Acq: 07 Oct 2021 10:56

Instrument :
MSVOA_U
ClientSampled :

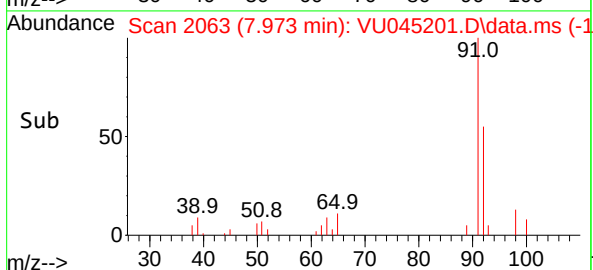
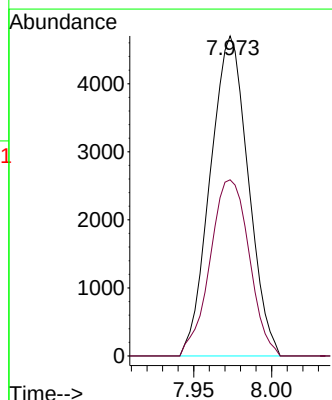
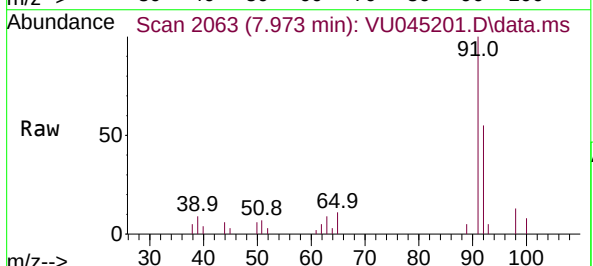
Tgt Ion: 75 Resp: 3764
Ion Ratio Lower Upper
75 100
77 43.6 22.4 41.6#

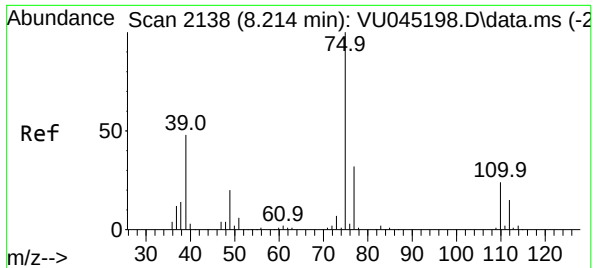


#42

Toluene
Concen: 0.767 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045201.D
Acq: 07 Oct 2021 10:56

Tgt Ion: 91 Resp: 7959
Ion Ratio Lower Upper
91 100
92 55.1 40.5 75.1

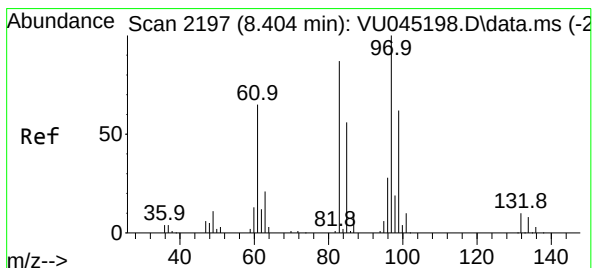
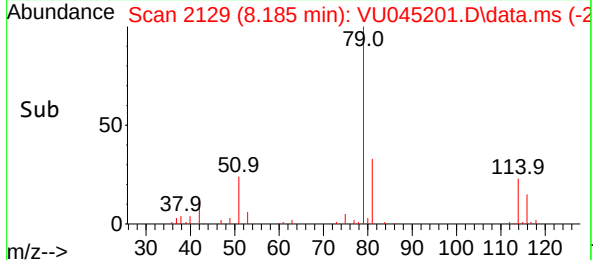
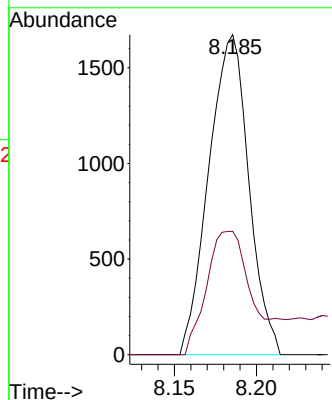
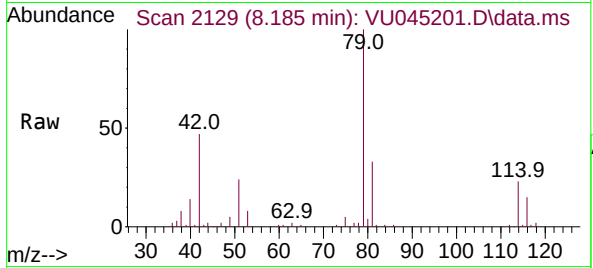




#44
trans-1,3-Dichloropropene
Concen: 0.749 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.029 min
Lab File: VU045201.D
Acq: 07 Oct 2021 10:56

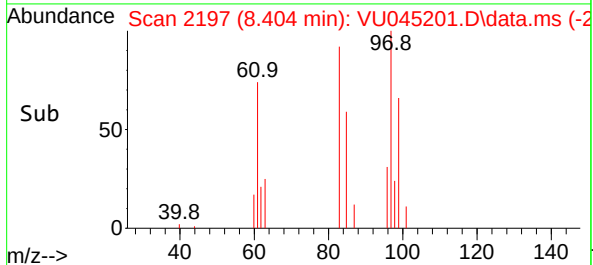
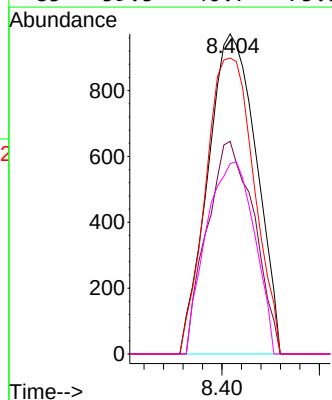
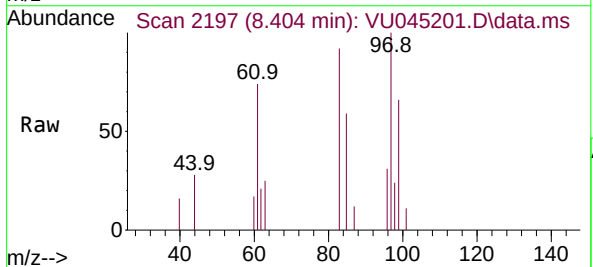
Instrument :
MSVOA_U
ClientSampled :

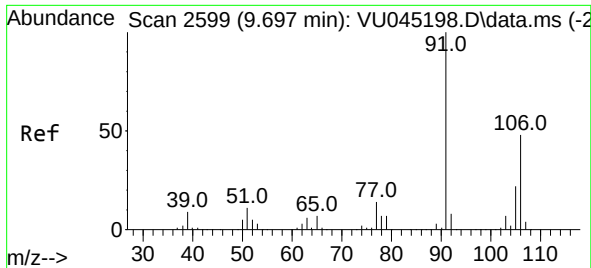
Tgt Ion: 75 Resp: 2833
Ion Ratio Lower Upper
75 100
77 38.6 21.7 40.3



#45
1,1,2-Trichloroethane
Concen: 0.666 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU045201.D
Acq: 07 Oct 2021 10:56

Tgt Ion: 97 Resp: 1679
Ion Ratio Lower Upper
97 100
99 66.5 43.7 81.1
83 92.5 61.9 115.1
85 59.5 40.7 75.5

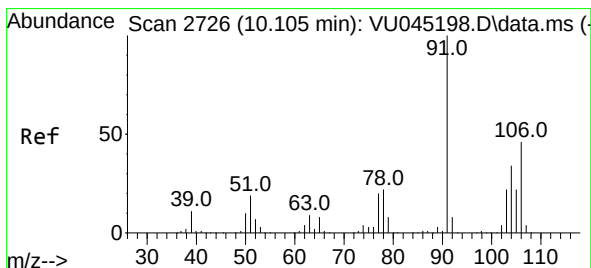
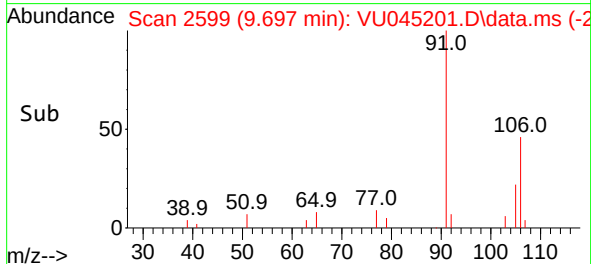
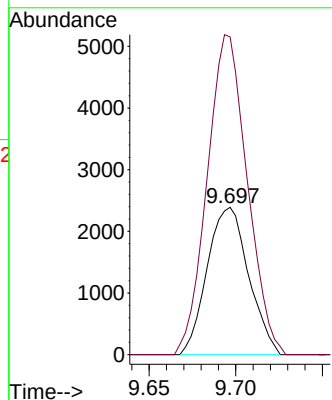
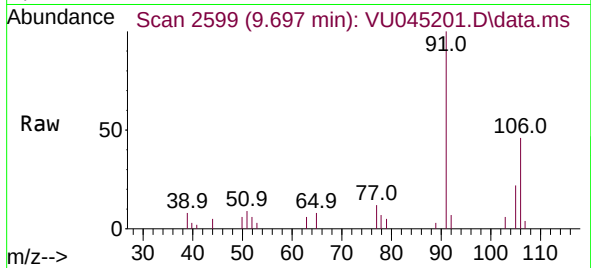




#53
m,p-Xylene
Concen: 0.957 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU045201.D
Acq: 07 Oct 2021 10:56

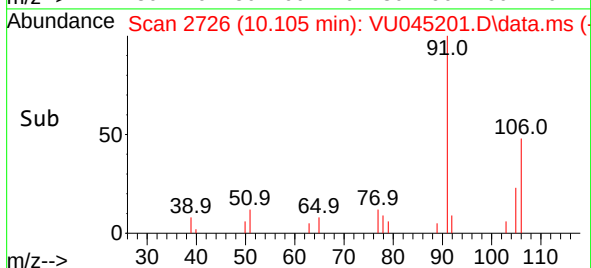
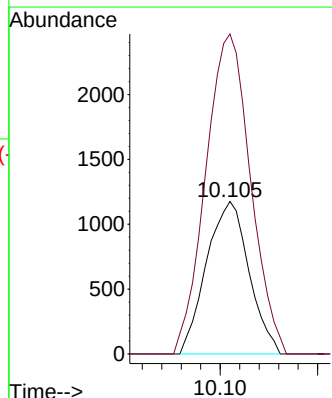
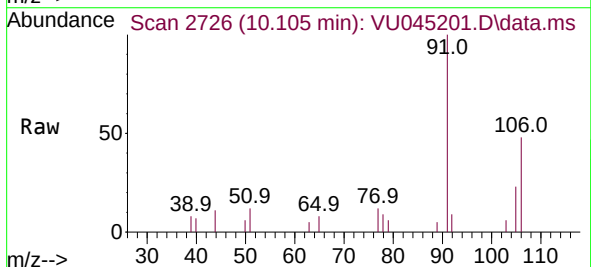
Instrument :
MSVOA_U
ClientSampled :

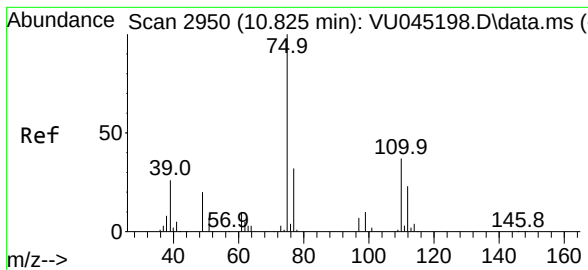
Tgt Ion:106 Resp: 3976
Ion Ratio Lower Upper
106 100
91 197.4 146.7 272.4



#54
o-xylene
Concen: 0.436 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. 0.000 min
Lab File: VU045201.D
Acq: 07 Oct 2021 10:56

Tgt Ion:106 Resp: 1779
Ion Ratio Lower Upper
106 100
91 210.0 152.9 283.9





#60
 1,2,3-Trichloropropane
 Concen: 4.866 ug/L
 RT: 11.816 min Scan# 3258
 Delta R.T. 0.990 min
 Lab File: VU045201.D
 Acq: 07 Oct 2021 10:56

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 75	Resp:	16587
Ion Ratio	Lower	Upper
75	100	
77	32.1	25.5 38.3
110	1.8	29.0 43.4#

