

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051721\
 Data File : VU043799.D
 Acq On : 17 May 2021 18:37
 Operator : SY/MD
 Sample : M2396-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 18 03:12:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 15 00:49:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	241434	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	246915	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	114972	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	76126	4.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.60%
7) Chloroethane-d5	1.919	69	54257	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.571	65	32817	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.80%
20) 2-Butanone-d5	4.645	46	185548	54.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.64%
24) Chloroform-d	5.073	84	139547	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.713	65	69736	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.735	84	287300	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.703	67	92276	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.906	98	254834	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloroprop...	8.185	79	31523	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	8.642	63	165193	49.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.88%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	69918	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.20%
66) 1,2-Dichlorobenzene-d4	12.201	152	96116	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%
Target Compounds						Qvalue
3) Chloromethane	1.520	50	2250	0.11	ug/L	87
12) 1,1-Dichloroethene	2.584	96	4355	0.27	ug/L #	1
18) trans-1,2-Dichloroethene	3.362	96	8009	0.48	ug/L	96
22) cis-1,2-Dichloroethene	4.678	96	557851	31.71	ug/L	99
25) Chloroform	5.099	83	79064	2.64	ug/L	99
29) 1,1,1-Trichloroethane	5.327	97	1614	0.06	ug/L #	79
31) Carbon tetrachloride	5.533	117	125205	5.82	ug/L	100
35) Methylcyclohexane	6.697	83	22796	0.80	ug/L #	17
37) 1,2-Dichloropropane	6.706	63	8825	0.47	ug/L #	89
39) cis-1,3-Dichloropropene	7.571	75	2170	0.09	ug/L #	50
42) Toluene	7.976	91	6187	0.08	ug/L	98
45) 1,1,2-Trichloroethane	8.565	97	70848	5.28	ug/L #	1
47) Tetrachloroethene	8.568	164	9051140	611.07	ug/L	97
49) Dibromochloromethane	8.568	129	8562829	571.67	ug/L #	11
50) 1,2-Dibromoethane	8.931	107	657910	52.10	ug/L	98
61) 1,2,3-Trichloropropane	11.819	75	12785	1.17	ug/L #	68

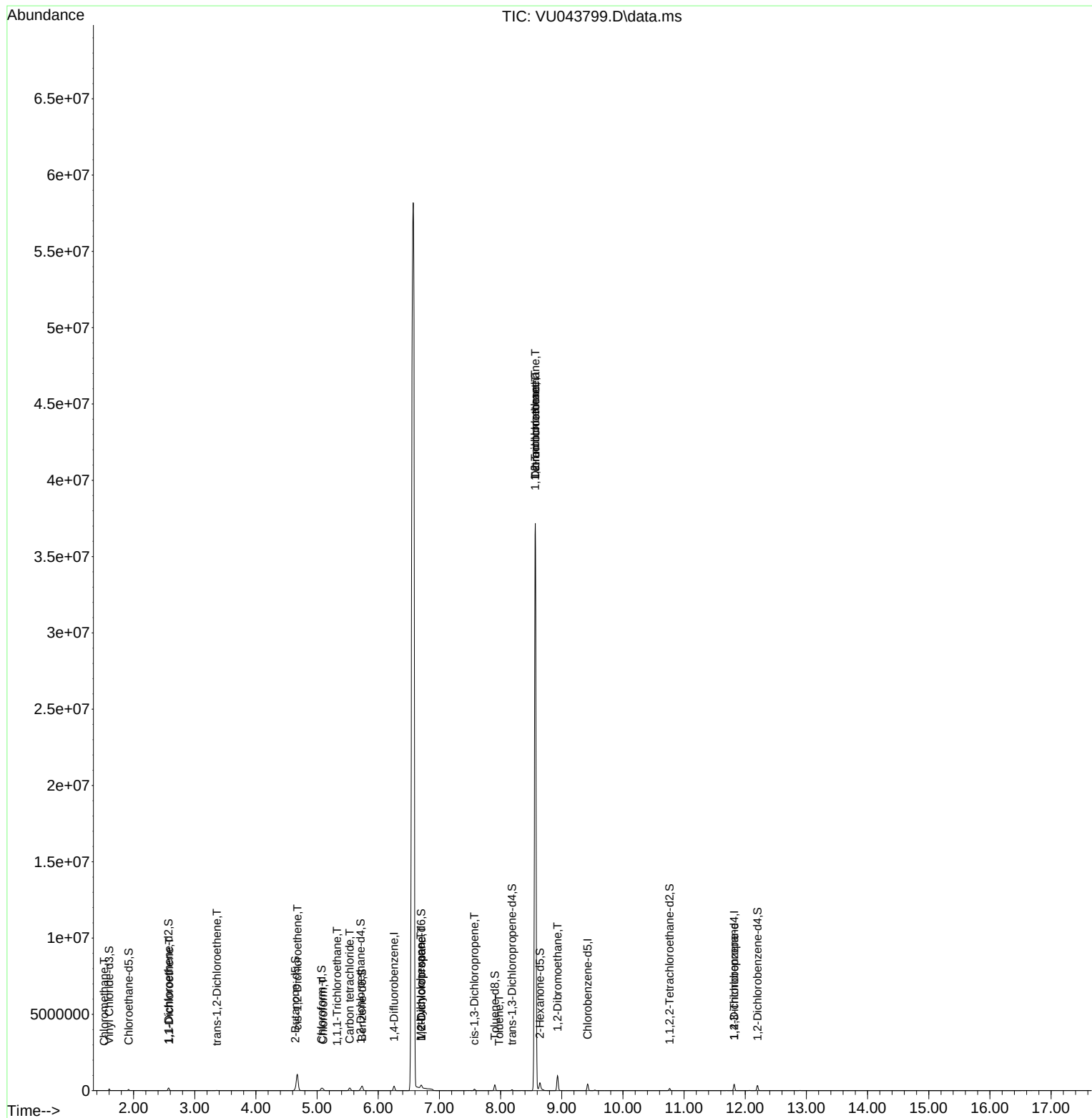
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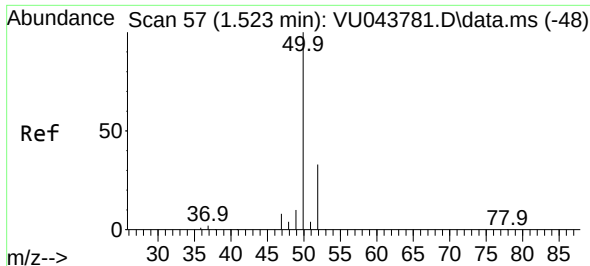
Instrument :
MSVOA_U
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051721\
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Quant Time: May 18 03:12:43 2021
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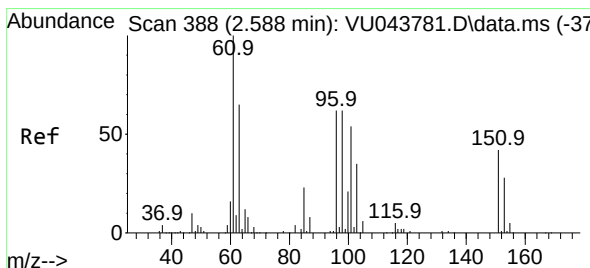
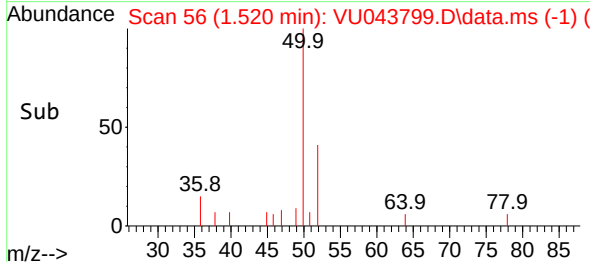
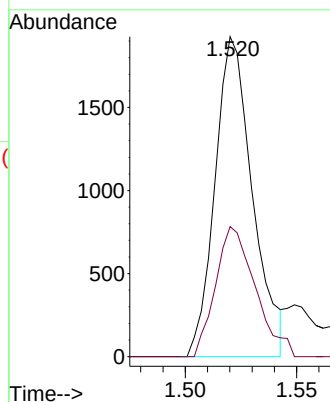
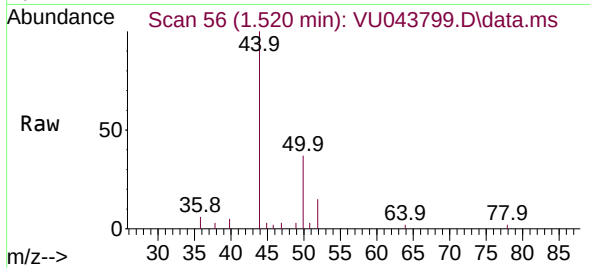




#3
Chloromethane
Concen: 0.11 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU043799.D
Acq: 17 May 2021 18:37

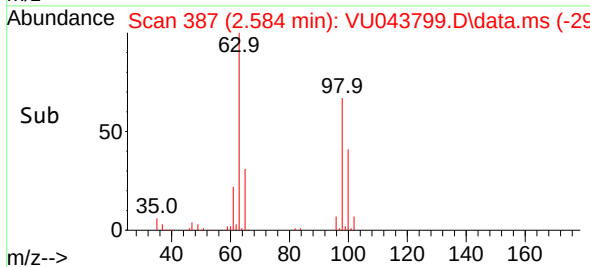
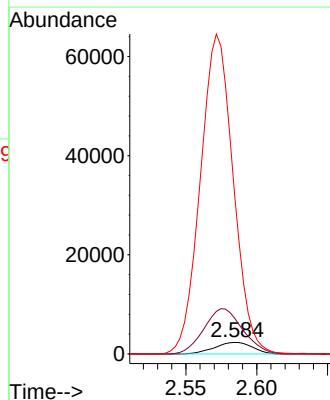
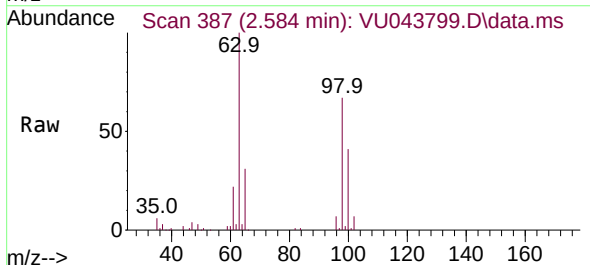
Instrument :
MSVOA_U
ClientSampled :

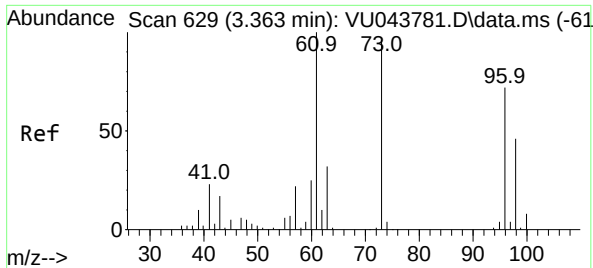
Tgt Ion: 50 Resp: 2250
Ion Ratio Lower Upper
50 100
52 40.7 23.2 43.2



#12
1,1-Dichloroethene
Concen: 0.27 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU043799.D
Acq: 17 May 2021 18:37

Tgt Ion: 96 Resp: 4355
Ion Ratio Lower Upper
96 100
61 309.0 117.5 218.1#
63 1373.8 77.3 143.7#

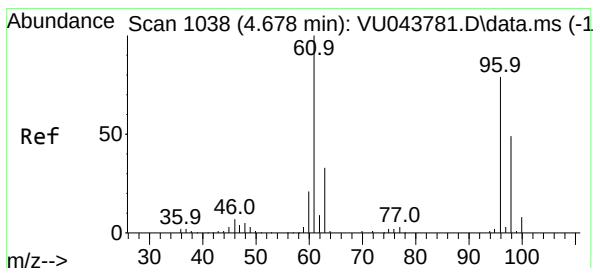
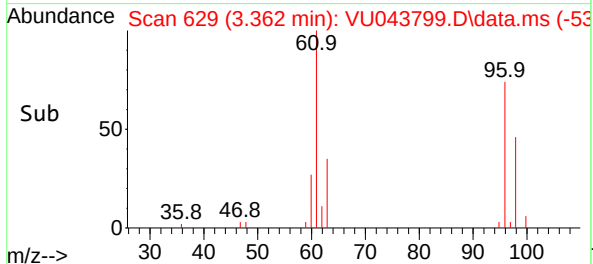
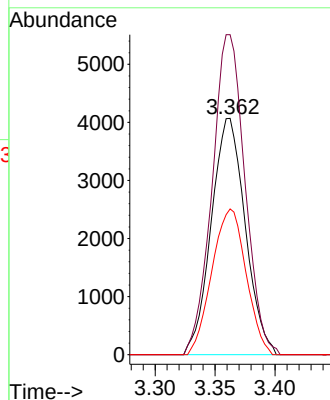
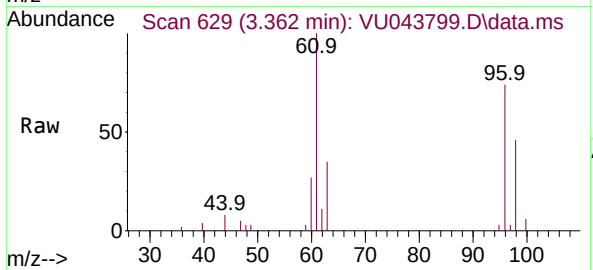




#18
trans-1,2-Dichloroethene
Concen: 0.48 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.000 min
Lab File: VU043799.D
Acq: 17 May 2021 18:37

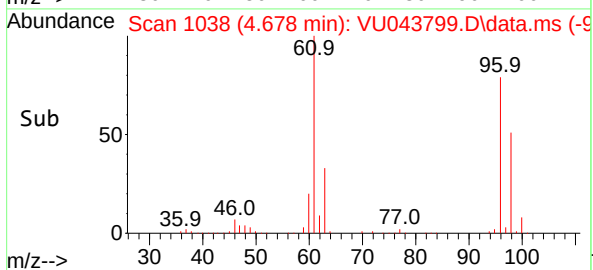
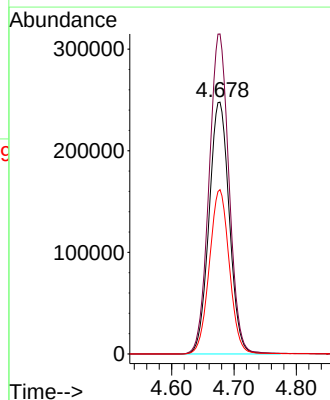
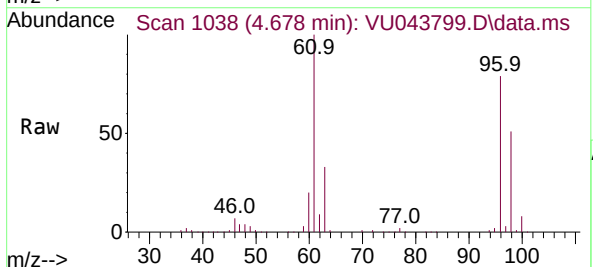
Instrument :
MSVOA_U
ClientSampleId :

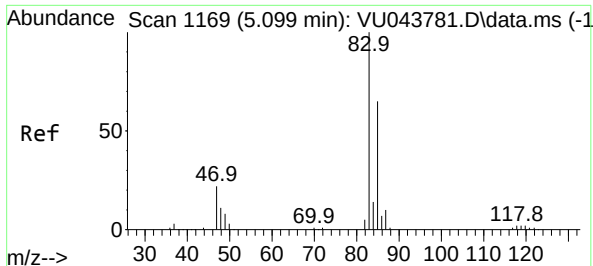
Tgt Ion:	96	Resp:	8009
Ion	Ratio	Lower	Upper
96	100		
61	135.4	99.6	185.0
98	61.7	43.8	81.4



#22
cis-1,2-Dichloroethene
Concen: 31.71 ug/L
RT: 4.678 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VU043799.D
Acq: 17 May 2021 18:37

Tgt Ion:	96	Resp:	557851
Ion	Ratio	Lower	Upper
96	100		
61	127.0	89.0	165.4
98	65.2	44.9	83.3





#25

Chloroform

Concen: 2.64 ug/L

RT: 5.099 min Scan# 1169

Delta R.T. -0.000 min

Lab File: VU043799.D

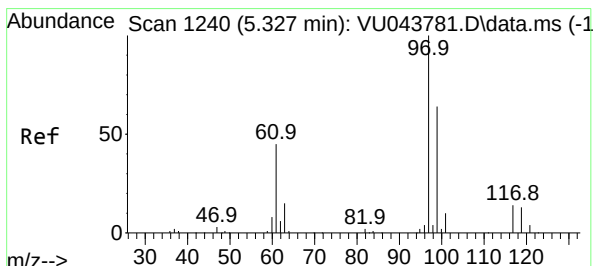
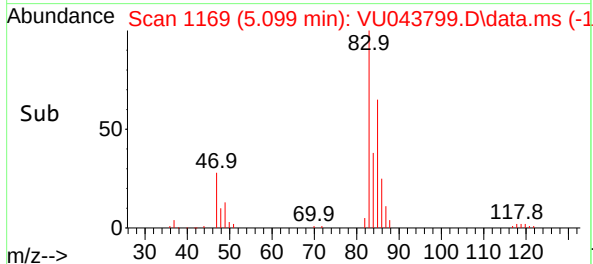
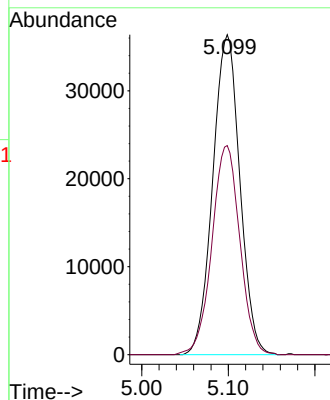
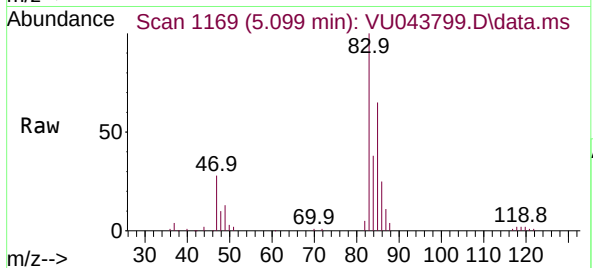
Acq: 17 May 2021 18:37

Tgt Ion: 83 Resp: 79064

Ion Ratio Lower Upper

83 100

85 65.4 45.0 83.6



#29

1,1,1-Trichloroethane

Concen: 0.06 ug/L

RT: 5.327 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VU043799.D

Acq: 17 May 2021 18:37

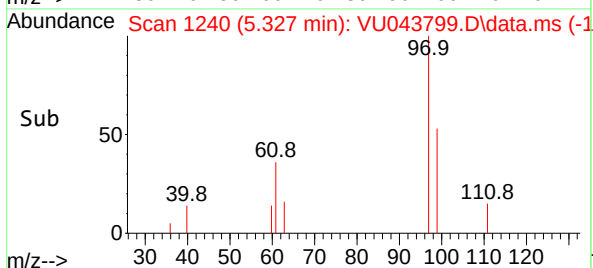
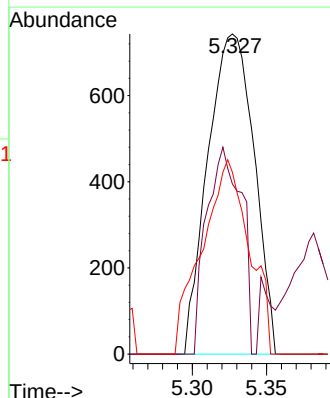
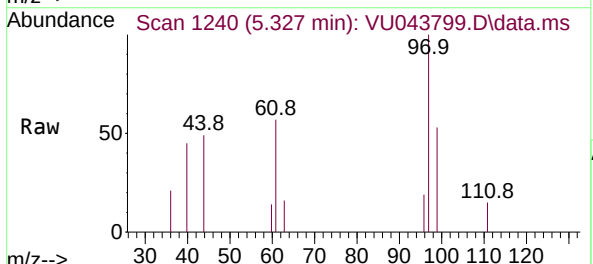
Tgt Ion: 97 Resp: 1614

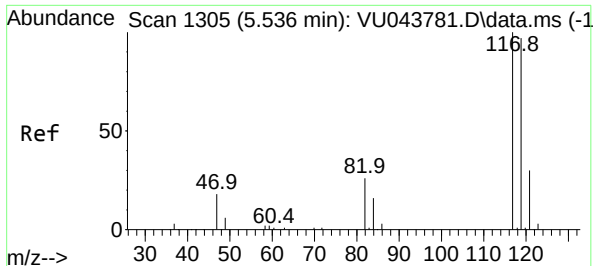
Ion Ratio Lower Upper

97 100

99 48.8 51.1 76.7#

61 61.8 37.0 55.4#

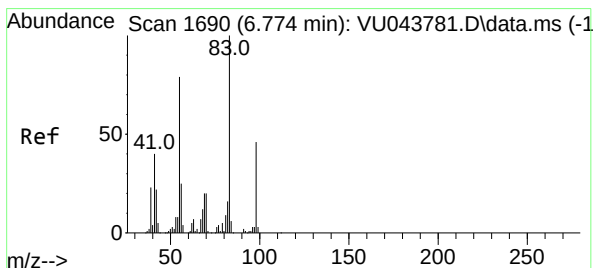
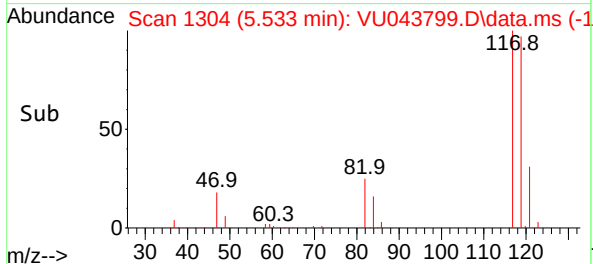
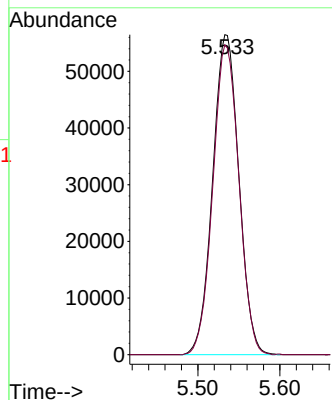
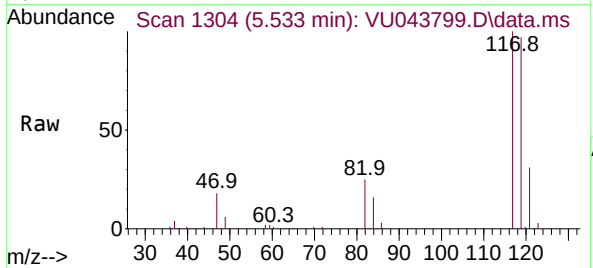




#31
Carbon tetrachloride
Concen: 5.82 ug/L
RT: 5.533 min Scan# 1304
Delta R.T. -0.000 min
Lab File: VU043799.D
Acq: 17 May 2021 18:37

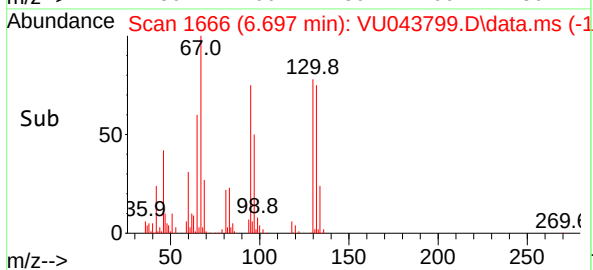
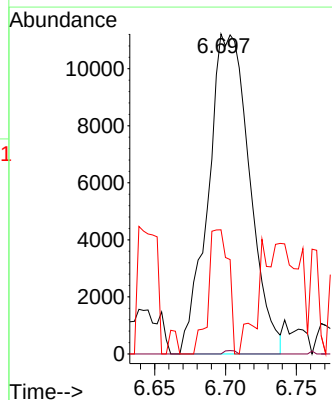
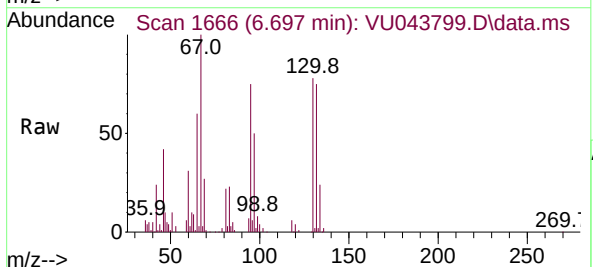
Instrument :
MSVOA_U
ClientSampled :

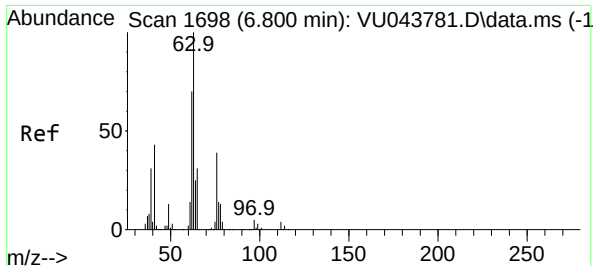
Tgt Ion:117 Resp: 125205
Ion Ratio Lower Upper
117 100
119 96.2 77.4 116.0



#35
Methylcyclohexane
Concen: 0.80 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.074 min
Lab File: VU043799.D
Acq: 17 May 2021 18:37

Tgt Ion: 83 Resp: 22796
Ion Ratio Lower Upper
83 100
55 0.3 64.8 97.2#
98 0.0 35.9 53.9#



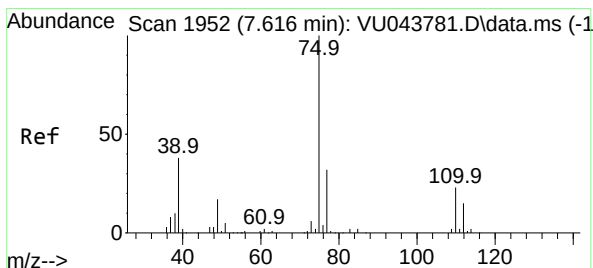
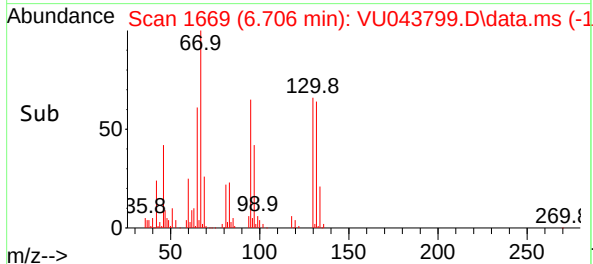
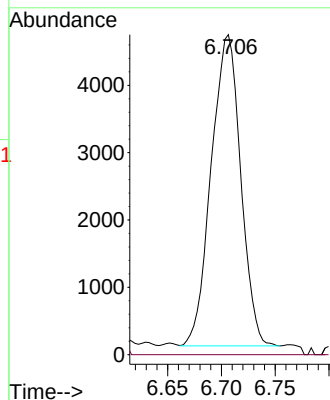
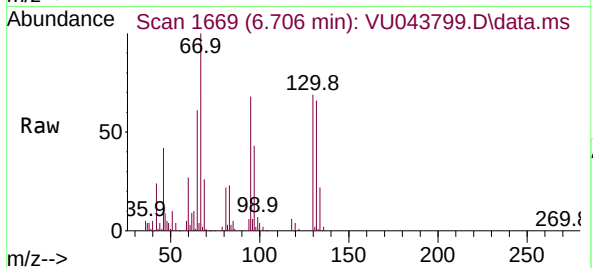


#37

1,2-Dichloropropane
Concen: 0.47 ug/L
RT: 6.706 min Scan# 1669
Delta R.T. -0.093 min
Lab File: VU043799.D
Acq: 17 May 2021 18:37

Instrument :
MSVOA_U
ClientSampleId :

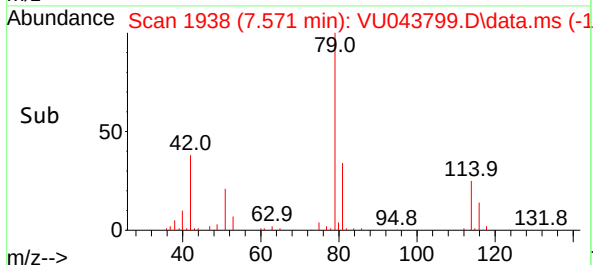
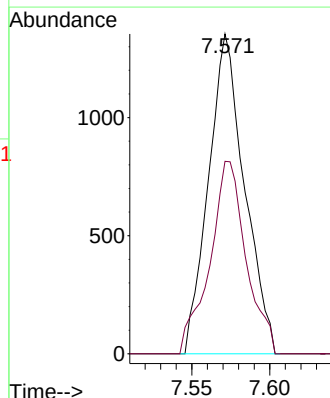
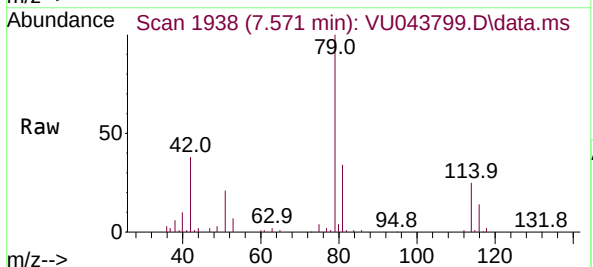
Tgt Ion: 63 Resp: 8825
Ion Ratio Lower Upper
63 100
112 0.5 3.3 4.9#

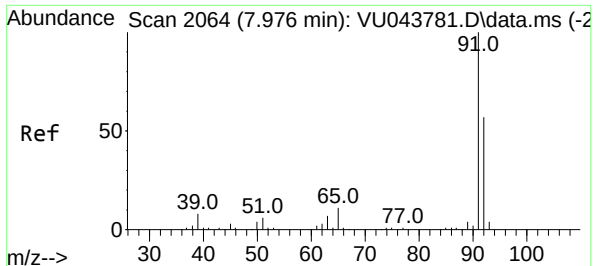


#39

cis-1,3-Dichloropropene
Concen: 0.09 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU043799.D
Acq: 17 May 2021 18:37

Tgt Ion: 75 Resp: 2170
Ion Ratio Lower Upper
75 100
77 60.2 22.5 41.7#

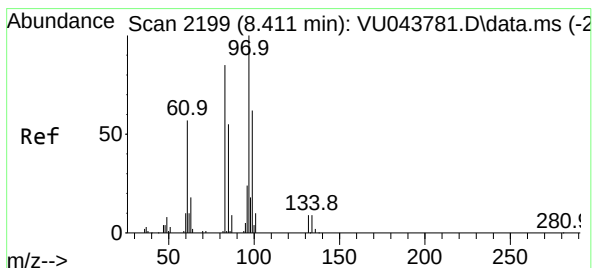
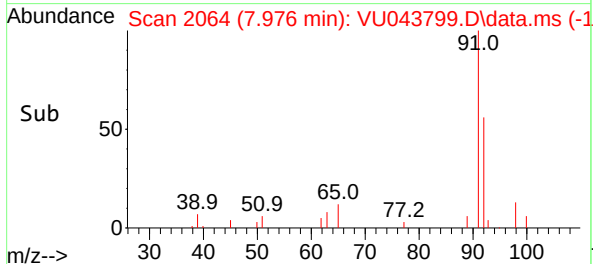
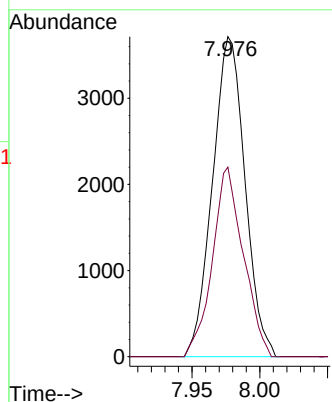
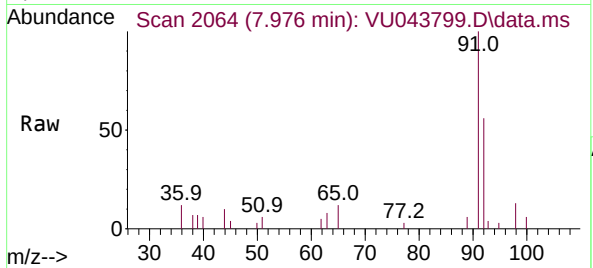




#42
Toluene
Concen: 0.08 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU043799.D
Acq: 17 May 2021 18:37

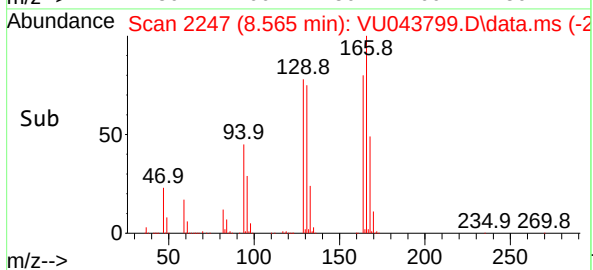
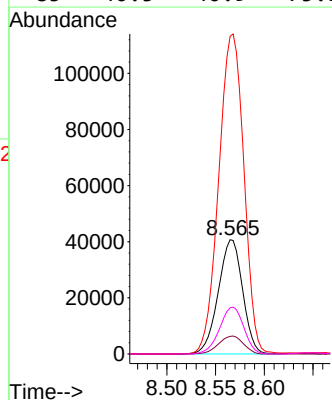
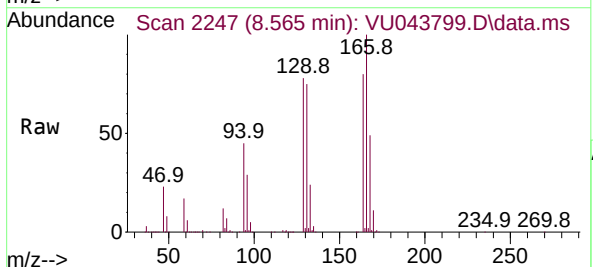
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MSVOA_U
ClientSampleId :

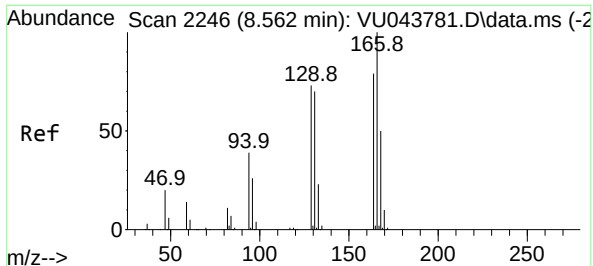
Tgt Ion: 91 Resp: 6187
Ion Ratio Lower Upper
91 100
92 59.3 40.3 74.8



#45
1,1,2-Trichloroethane
Concen: 5.28 ug/L
RT: 8.565 min Scan# 2247
Delta R.T. 0.157 min
Lab File: VU043799.D
Acq: 17 May 2021 18:37

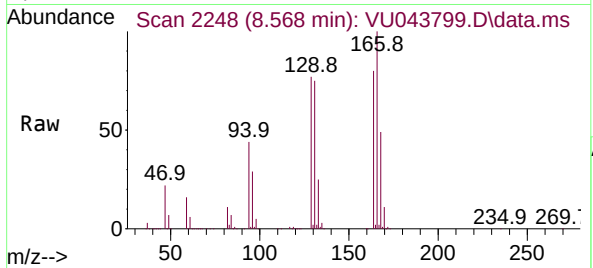
Tgt Ion: 97 Resp: 70848
Ion Ratio Lower Upper
97 100
99 15.4 43.8 81.4#
83 278.0 62.5 116.1#
85 40.5 40.9 75.9#



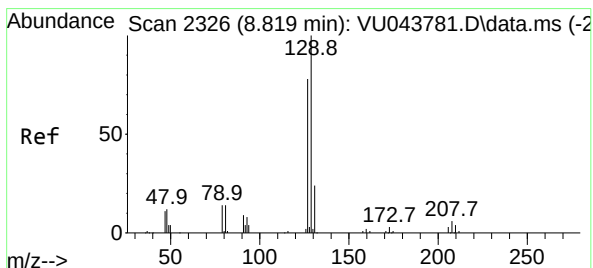
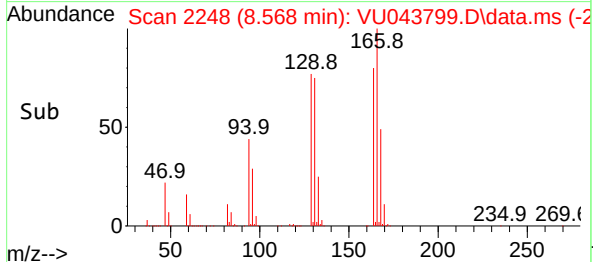
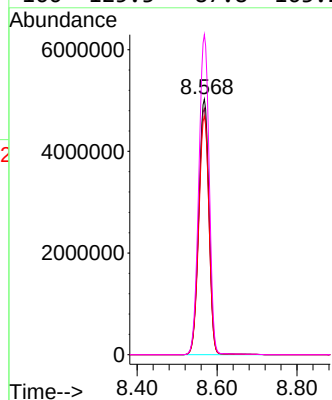


#47
Tetrachloroethene
Concen: 611.07 ug/L
RT: 8.568 min Scan# 2248
Delta R.T. 0.010 min
Lab File: VU043799.D
Acq: 17 May 2021 18:37

Instrument :
MSVOA_U
ClientSampleId :

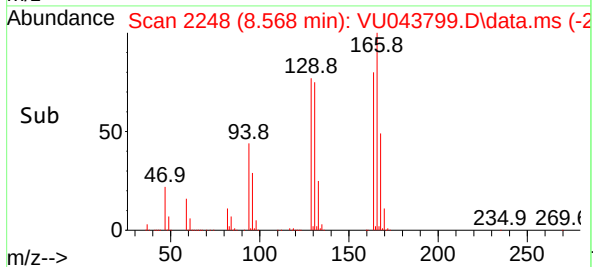
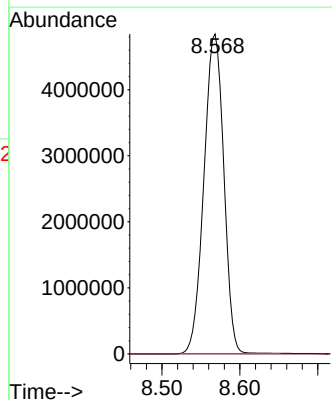
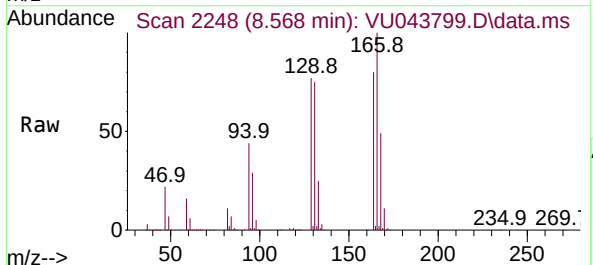


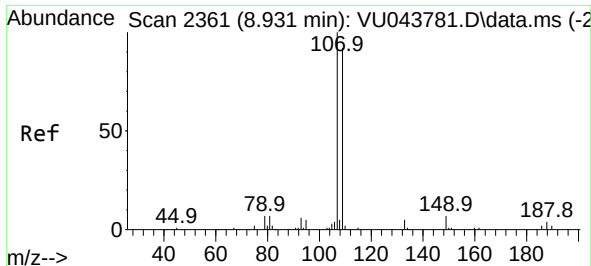
Tgt Ion:164 Resp: 9051140
Ion Ratio Lower Upper
164 100
129 96.4 64.1 119.1
131 93.4 61.2 113.8
166 125.3 87.8 163.2



#49
Dibromochloromethane
Concen: 571.67 ug/L
RT: 8.568 min Scan# 2248
Delta R.T. -0.248 min
Lab File: VU043799.D
Acq: 17 May 2021 18:37

Tgt Ion:129 Resp: 8562829
Ion Ratio Lower Upper
129 100
127 0.0 53.4 99.2#

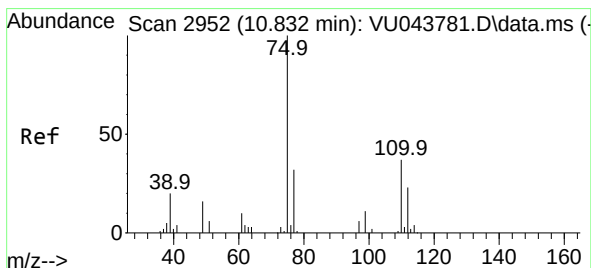
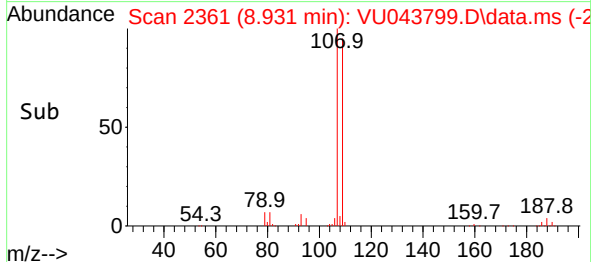
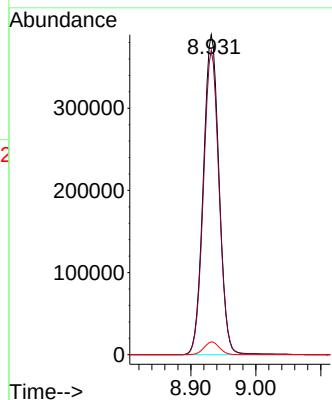
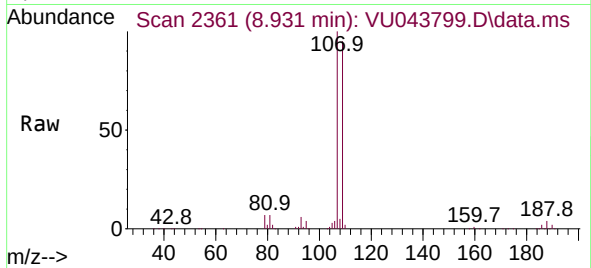




#50
1,2-Dibromoethane
Concen: 52.10 ug/L
RT: 8.931 min Scan# 2361
Delta R.T. -0.000 min
Lab File: VU043799.D
Acq: 17 May 2021 18:37

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:107 Resp: 657910
Ion Ratio Lower Upper
107 100
109 95.0 67.7 125.7
188 4.0 3.3 4.9



#61
1,2,3-Trichloropropane
Concen: 1.17 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.990 min
Lab File: VU043799.D
Acq: 17 May 2021 18:37

Tgt Ion: 75 Resp: 12785
Ion Ratio Lower Upper
75 100
110 0.0 27.9 41.9#
77 33.0 25.9 38.9

