

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092321\
 Data File : VU044781.D
 Acq On : 23 Sep 2021 13:54
 Operator : SY/MD
 Sample : M3873-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 24 05:37:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 24 05:26:38 2021
 Response via : Initial Calibration

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

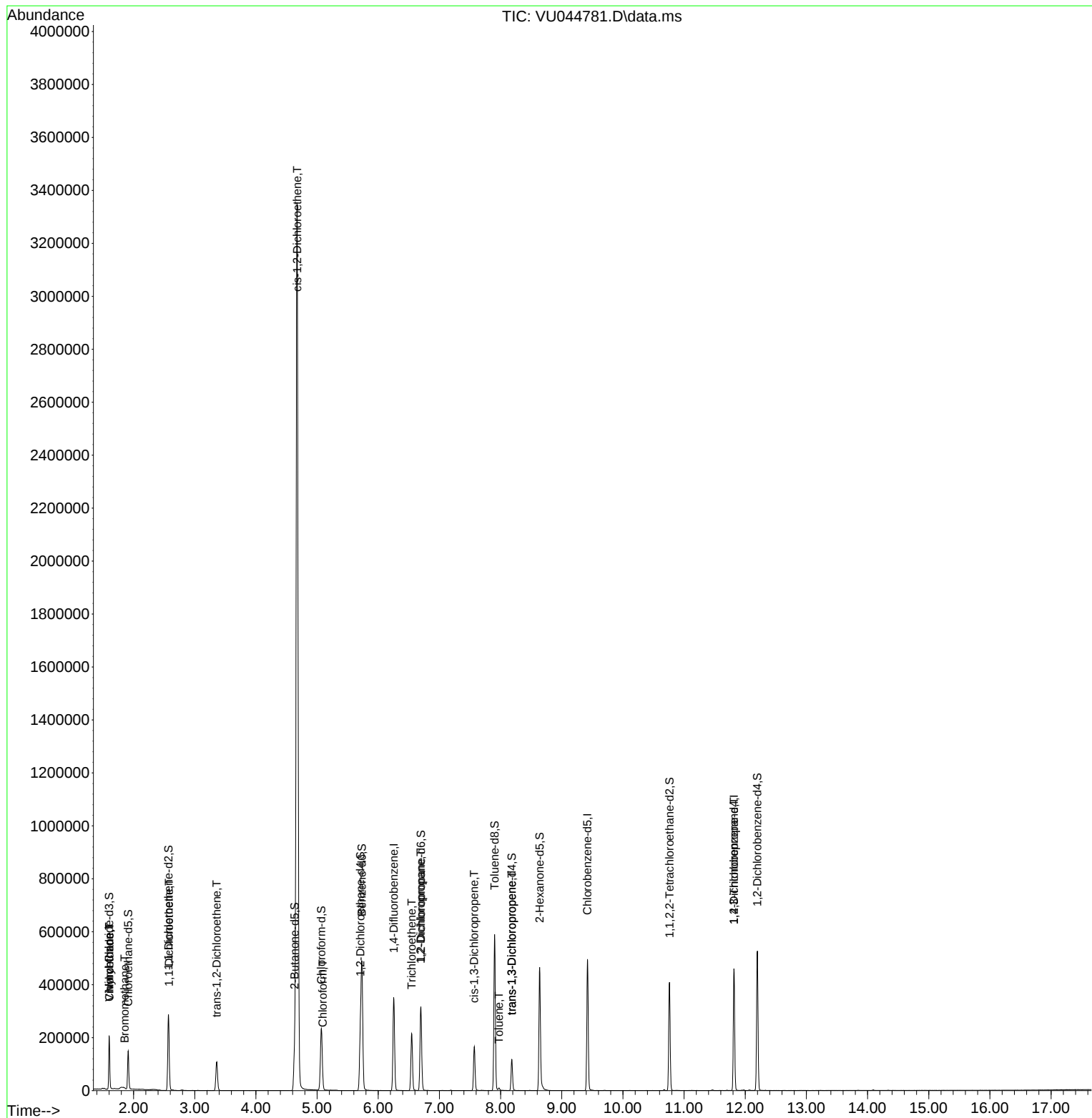
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	266276	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	254291	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	111681	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	133095	45.660	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.320%		
7) Chloroethane-d5	1.912	69	107408	46.499	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.000%		
11) 1,1-Dichloroethene-d2	2.571	63	173744	35.493	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.980%		
21) 2-Butanone-d5	4.632	46	236920	102.809	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	102.810%		
24) Chloroform-d	5.070	84	206207	44.790	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.580%		
26) 1,2-Dichloroethane-d4	5.706	65	149975	48.093	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.180%		
32) Benzene-d6	5.732	84	432052	48.964	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.920%		
36) 1,2-Dichloropropane-d6	6.697	67	142387	49.489	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.980%		
41) Toluene-d8	7.902	98	364300	47.841	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.680%		
43) trans-1,3-Dichloroprop...	8.182	79	61673	48.188	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.380%		
47) 2-Hexanone-d5	8.639	63	163713	102.678	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	102.680%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	205175	45.795	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.600%		
66) 1,2-Dichlorobenzene-d4	12.198	152	124228	51.112	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.220%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	12120	3.893	ug/L #	61
6) Bromomethane	1.854	94	901	0.603	ug/L	76
8) Chloroethane	1.607	64	7155	3.661	ug/L	85
12) 1,1-Dichloroethene	2.578	96	2632	1.276	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	43810	20.169	ug/L	99
20) cis-1,2-Dichloroethene	4.674	96	1652447	690.373	ug/L	96
25) Chloroform	5.092	83	2154	0.479	ug/L #	73
34) Trichloroethene	6.546	95	72920	32.189	ug/L	99
37) 1,2-Dichloropropane	6.693	63	16275	6.338	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	4002	1.089	ug/L #	64
42) Toluene	7.973	91	5931	0.619	ug/L	98
44) trans-1,3-Dichloropropene	8.182	75	2798	0.801	ug/L #	73
60) 1,2,3-Trichloropropane	11.815	75	16123	5.220	ug/L #	68

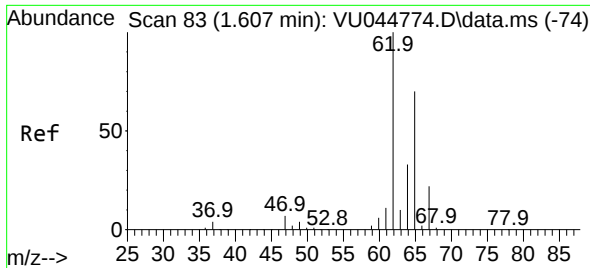
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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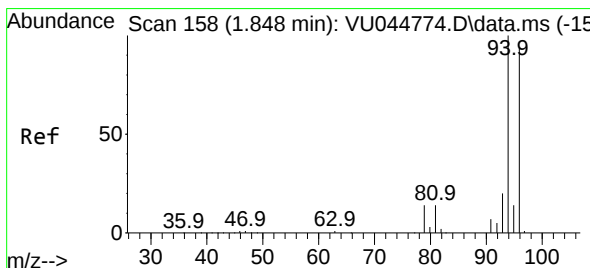
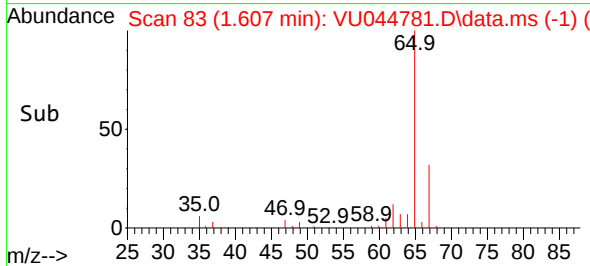
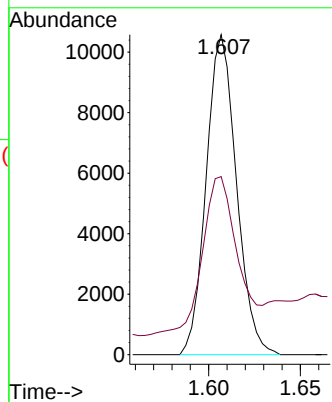
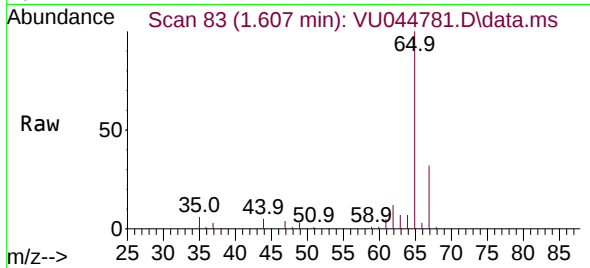




#5
 Vinyl chloride
 Concen: 3.893 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU044781.D
 Acq: 23 Sep 2021 13:54

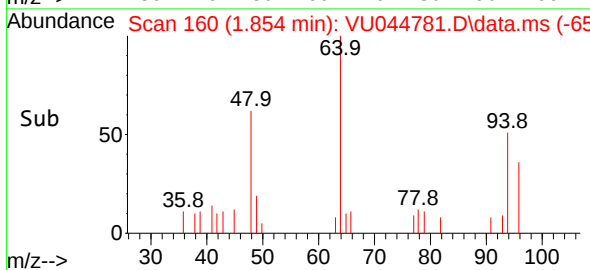
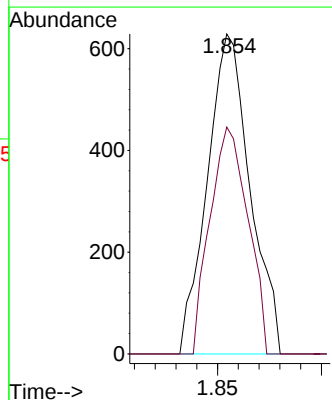
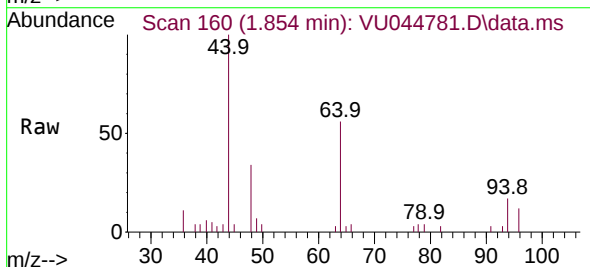
Instrument :
 MSVOA_U
 ClientSampled :

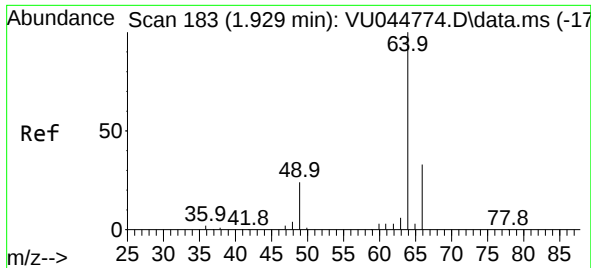
Tgt Ion: 62 Resp: 12120
 Ion Ratio Lower Upper
 62 100
 64 55.6 23.4 43.6#



#6
 Bromomethane
 Concen: 0.603 ug/L
 RT: 1.854 min Scan# 160
 Delta R.T. 0.006 min
 Lab File: VU044781.D
 Acq: 23 Sep 2021 13:54

Tgt Ion: 94 Resp: 901
 Ion Ratio Lower Upper
 94 100
 96 70.9 65.7 121.9

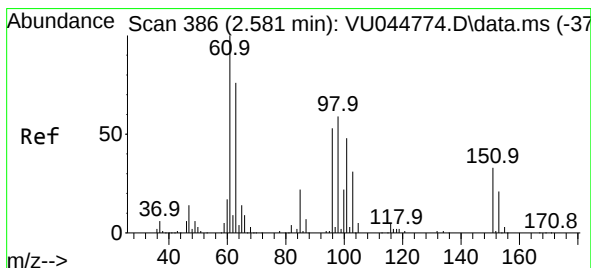
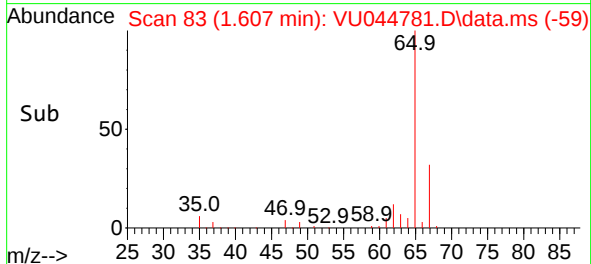
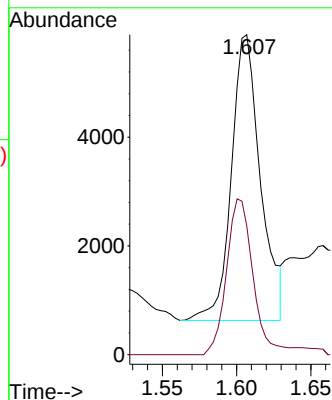
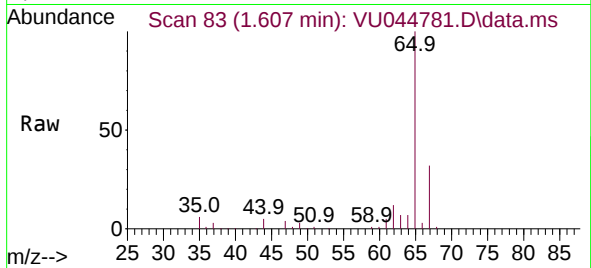




#8
Chloroethane
Concen: 3.661 ug/L
RT: 1.607 min Scan# 83
Delta R.T. -0.322 min
Lab File: VU044781.D
Acq: 23 Sep 2021 13:54

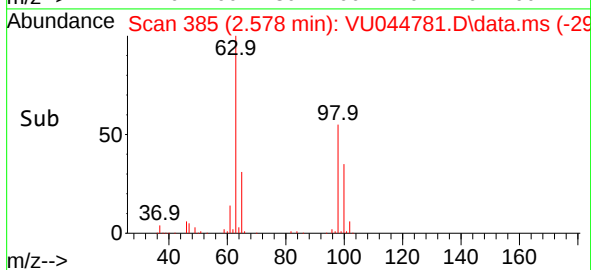
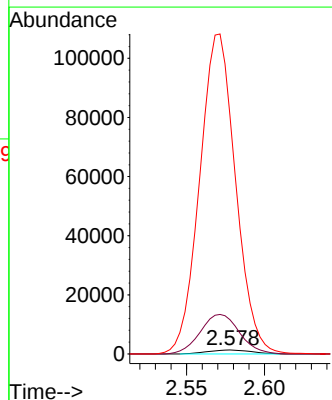
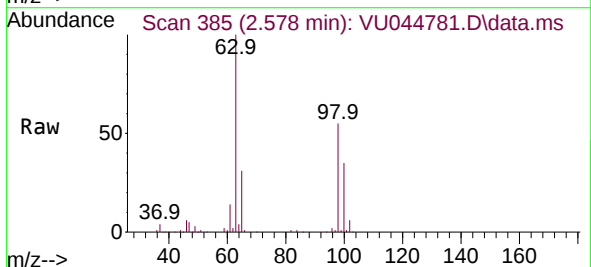
Instrument :
MSVOA_U
ClientSampled :

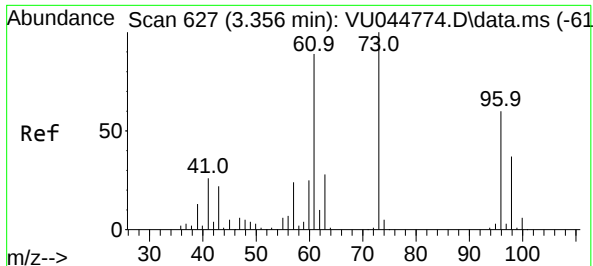
Tgt Ion: 64 Resp: 7155
Ion Ratio Lower Upper
64 100
66 40.3 22.3 41.3



#12
1,1-Dichloroethene
Concen: 1.276 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU044781.D
Acq: 23 Sep 2021 13:54

Tgt Ion: 96 Resp: 2632
Ion Ratio Lower Upper
96 100
61 864.0 131.3 243.9#
63 5997.6 102.5 190.3#



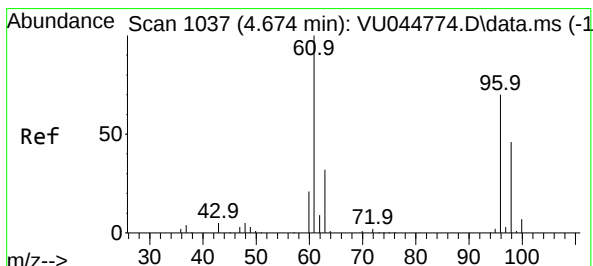
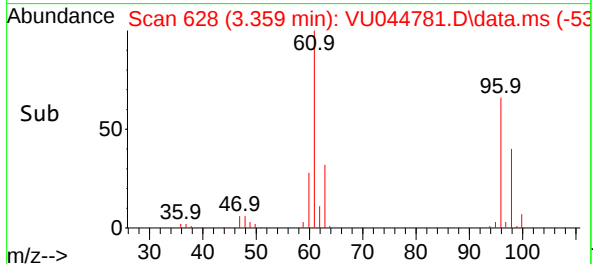
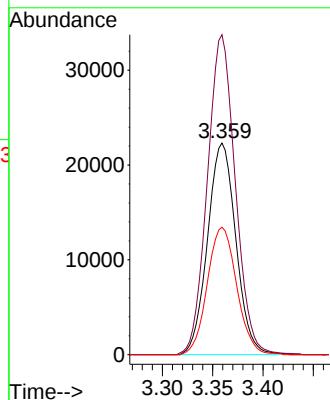
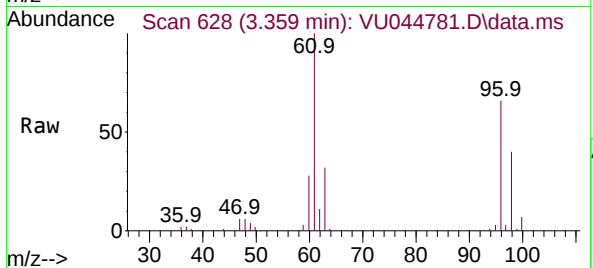


#17

trans-1,2-Dichloroethene
Concen: 20.169 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.003 min
Lab File: VU044781.D
Acq: 23 Sep 2021 13:54

Instrument :
MSVOA_U
ClientSampled :

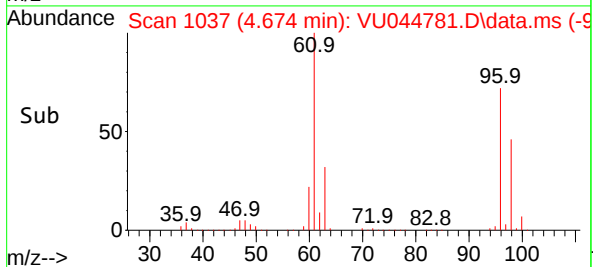
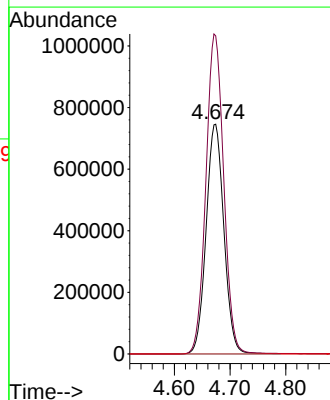
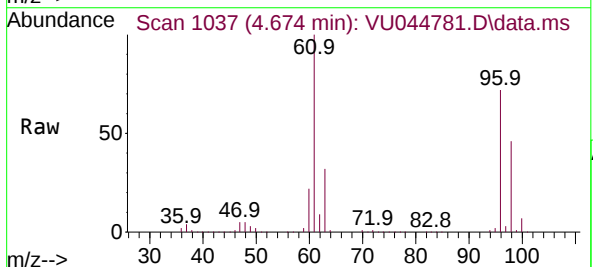
Tgt Ion: 96 Resp: 43810
Ion Ratio Lower Upper
96 100
61 151.2 105.1 195.3
98 60.3 43.0 79.8

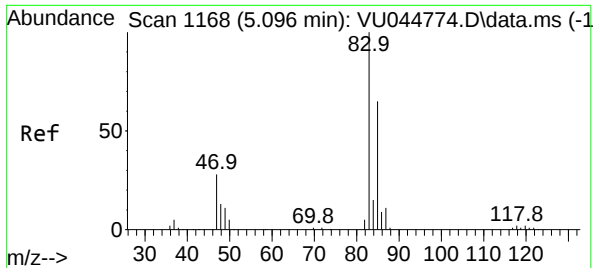


#20

cis-1,2-Dichloroethene
Concen: 690.373 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VU044781.D
Acq: 23 Sep 2021 13:54

Tgt Ion: 96 Resp: 1652447
Ion Ratio Lower Upper
96 100
61 138.5 100.2 186.0
68 0.0 0.0 0.0

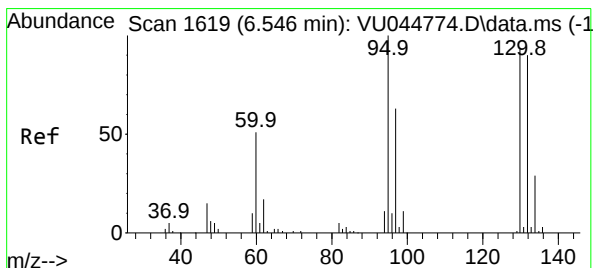
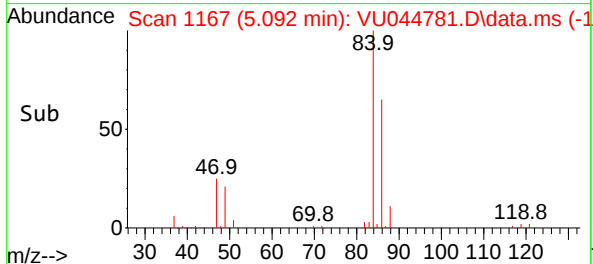
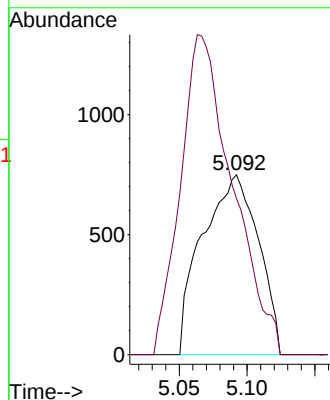
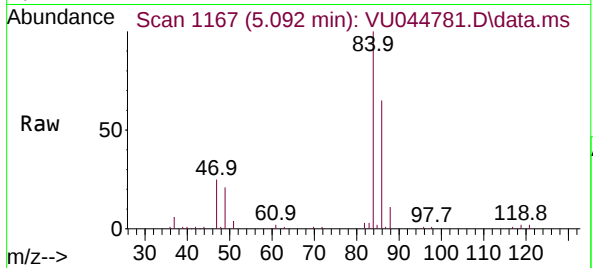




#25
Chloroform
Concen: 0.479 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.003 min
Lab File: VU044781.D
Acq: 23 Sep 2021 13:54

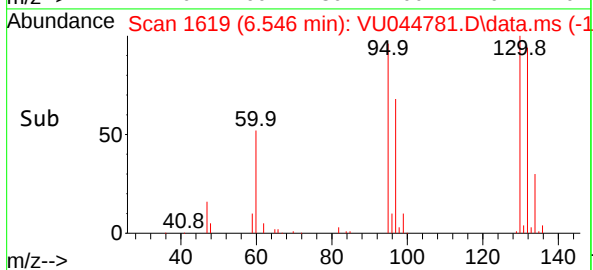
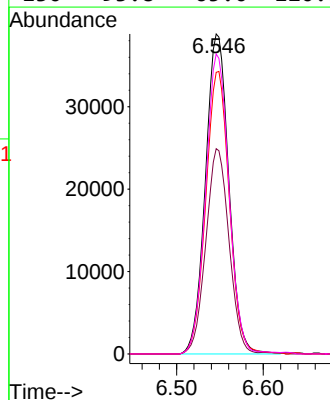
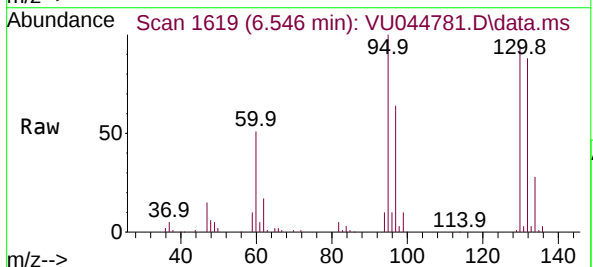
Instrument :
MSVOA_U
ClientSampled :

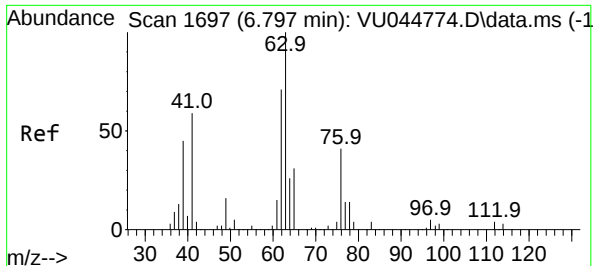
Tgt Ion: 83 Resp: 2154
Ion Ratio Lower Upper
83 100
85 86.8 45.6 84.6#



#34
Trichloroethene
Concen: 32.189 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU044781.D
Acq: 23 Sep 2021 13:54

Tgt Ion: 95 Resp: 72920
Ion Ratio Lower Upper
95 100
97 64.1 44.4 82.4
132 88.0 62.9 116.9
130 93.8 65.0 120.8



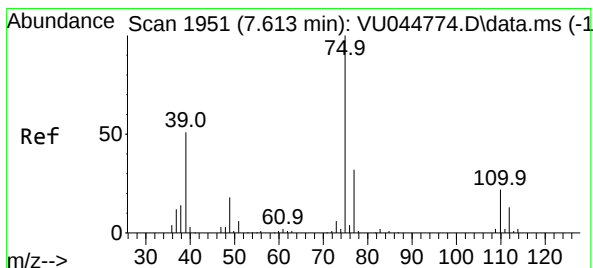
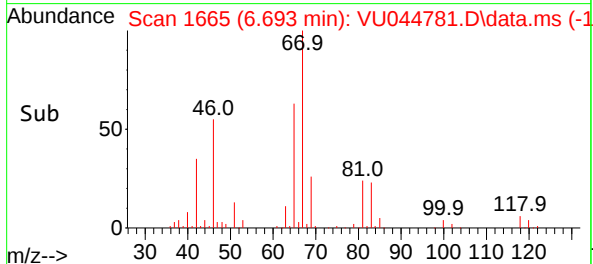
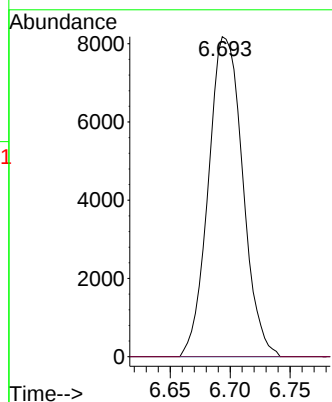
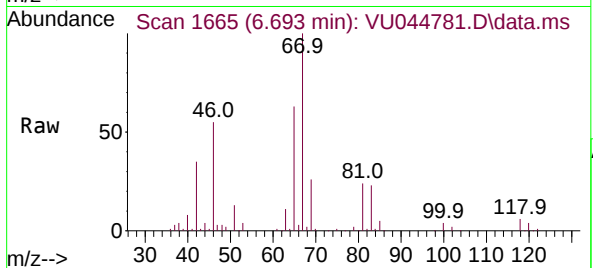


#37

1,2-Dichloropropane
Concen: 6.338 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU044781.D
Acq: 23 Sep 2021 13:54

Instrument :
MSVOA_U
ClientSampled :

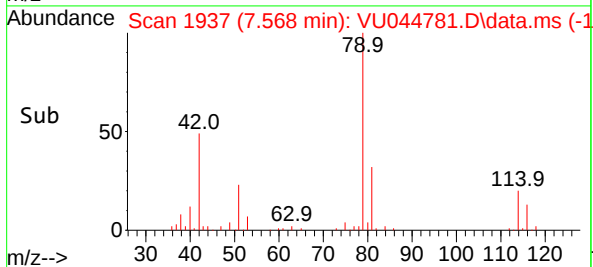
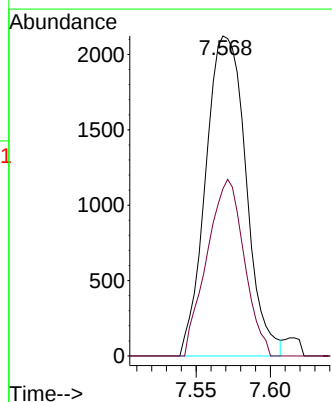
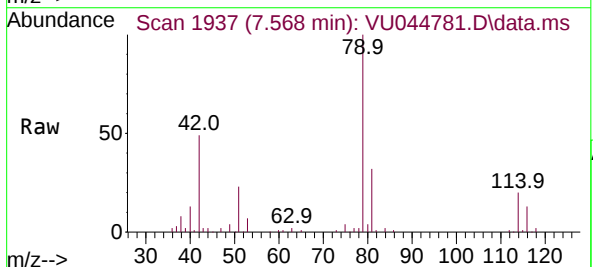
Tgt Ion: 63 Resp: 16275
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

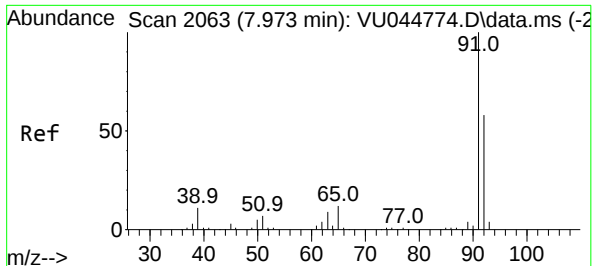


#39

cis-1,3-Dichloropropene
Concen: 1.089 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.045 min
Lab File: VU044781.D
Acq: 23 Sep 2021 13:54

Tgt Ion: 75 Resp: 4002
Ion Ratio Lower Upper
75 100
77 52.2 22.4 41.6#

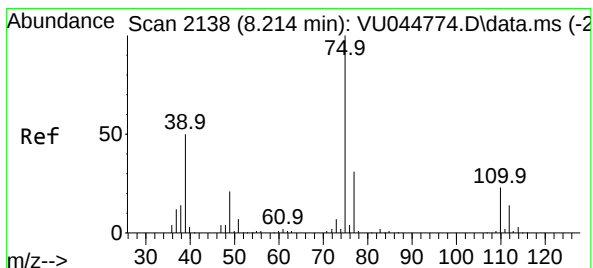
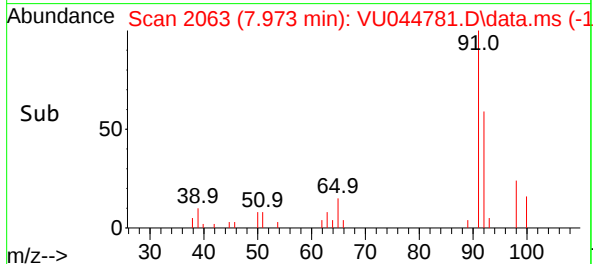
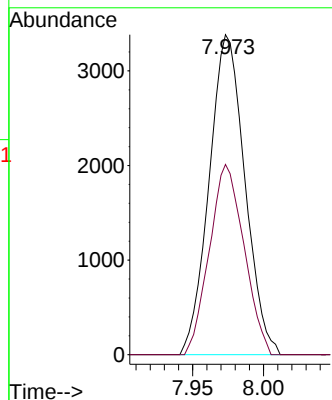
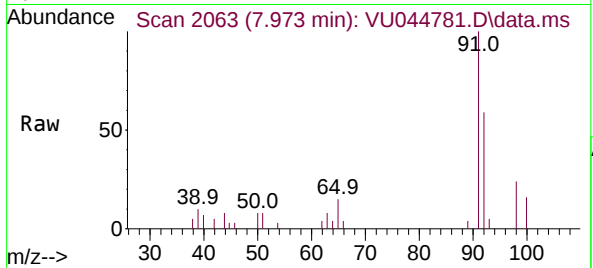




#42
Toluene
Concen: 0.619 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU044781.D
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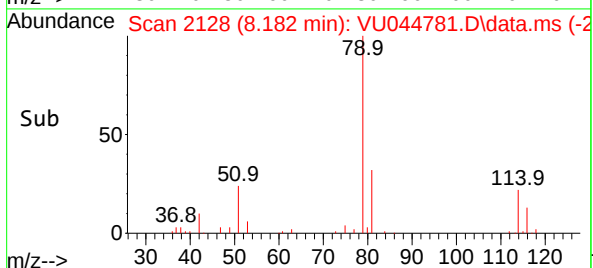
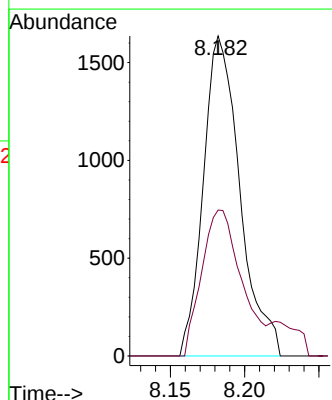
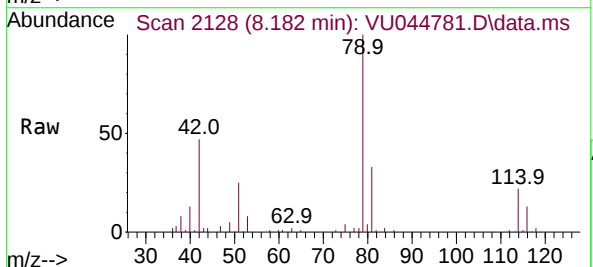
Instrument :
MSVOA_U
ClientSampled :

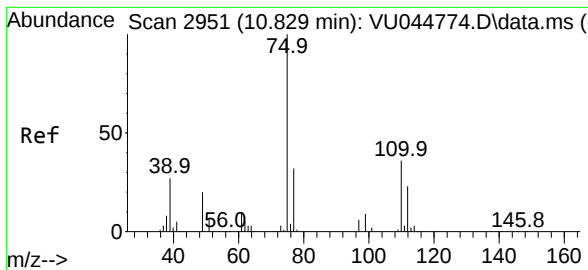
Tgt Ion: 91 Resp: 5931
Ion Ratio Lower Upper
91 100
92 59.4 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 0.801 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU044781.D
Acq: 23 Sep 2021 13:54

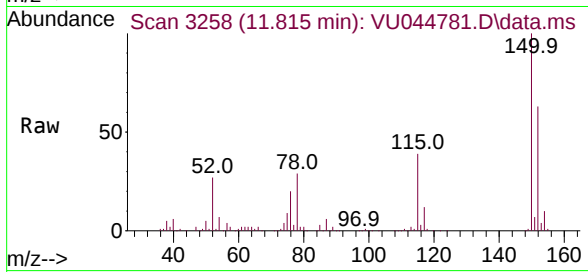
Tgt Ion: 75 Resp: 2798
Ion Ratio Lower Upper
75 100
77 45.6 21.7 40.3#





#60
 1,2,3-Trichloropropane
 Concen: 5.220 ug/L
 RT: 11.815 min Scan# 3258
 Delta R.T. 0.987 min
 Lab File: VU044781.D
 Acq: 23 Sep 2021 13:54

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	75	Resp:	16123
Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.5	38.3
110	1.9	29.0	43.4#

