

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092321\
 Data File : VU044780.D
 Acq On : 23 Sep 2021 13:31
 Operator : SY/MD
 Sample : M3873-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 24 05:37:05 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)

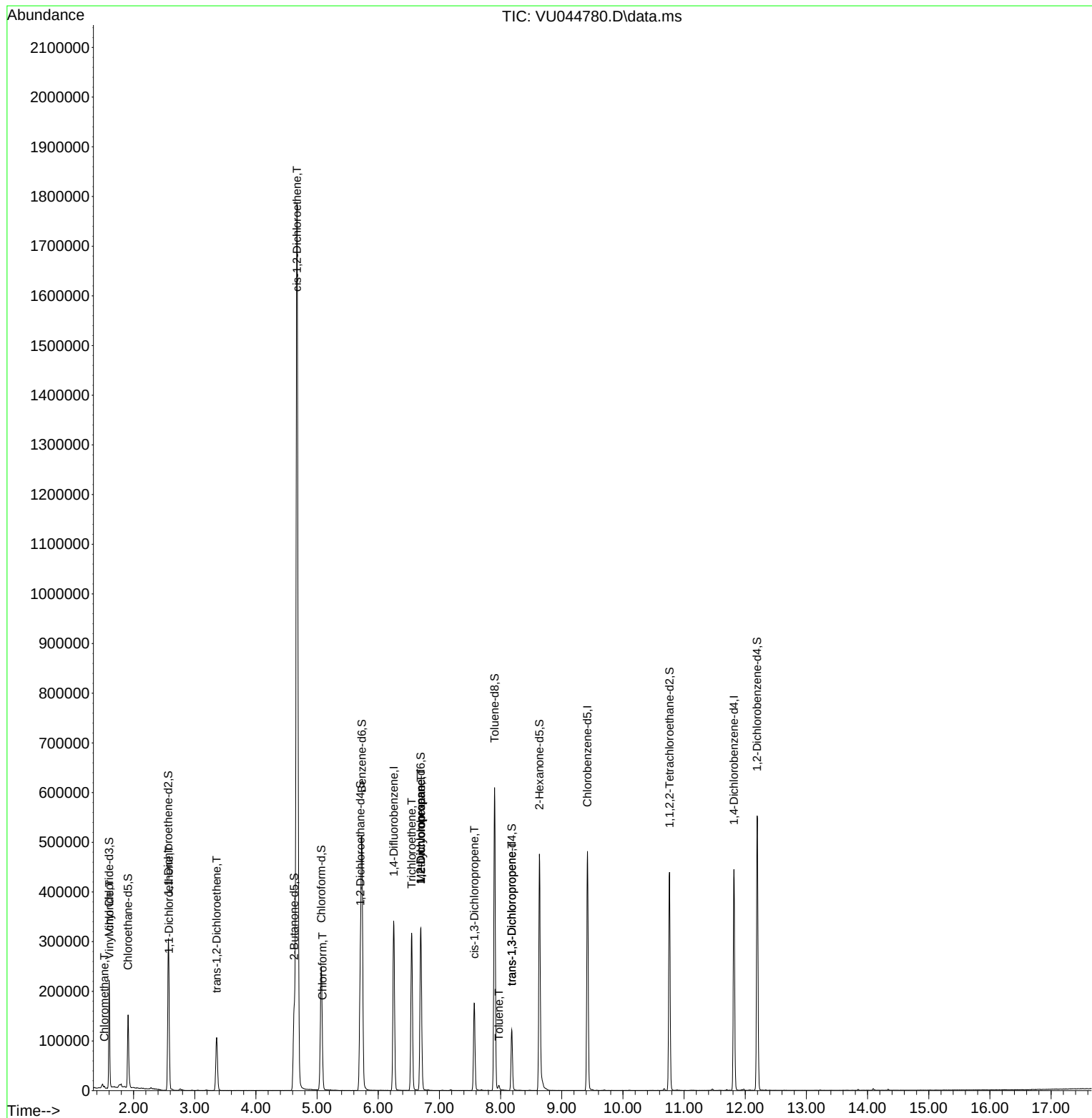
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	257207	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	246116	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	108718	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	140918	50.048	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.100%
7) Chloroethane-d5	1.909	69	114262	51.210	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.420%
11) 1,1-Dichloroethene-d2	2.568	63	183661	38.842	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.680%
21) 2-Butanone-d5	4.626	46	236963	106.453	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.450%
24) Chloroform-d	5.070	84	221662	49.845	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.680%
26) 1,2-Dichloroethane-d4	5.706	65	156876	52.079	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.160%
32) Benzene-d6	5.732	84	457997	53.629	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.260%
36) 1,2-Dichloropropane-d6	6.694	67	149424	53.660	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.320%
41) Toluene-d8	7.903	98	384881	52.223	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.440%
43) trans-1,3-Dichloroprop...	8.182	79	64003	51.670	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.340%
47) 2-Hexanone-d5	8.636	63	164587	106.655	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.650%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	215516	49.701	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	133449	56.403	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.800%
Target Compounds						Qvalue
3) Chloromethane	1.523	50	2058	0.670	ug/L	91
5) Vinyl chloride	1.607	62	7522	2.501	ug/L #	39
12) 1,1-Dichloroethene	2.581	96	3220	1.617	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	41894	19.967	ug/L	96
20) cis-1,2-Dichloroethene	4.671	96	876029	378.900	ug/L	98
25) Chloroform	5.089	83	1990	0.459	ug/L	80
34) Trichloroethene	6.546	95	105616	48.171	ug/L	99
35) Methylcyclohexane	6.697	83	34151	9.304	ug/L #	17
37) 1,2-Dichloropropane	6.697	63	16461	6.623	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	4160	1.170	ug/L #	63
42) Toluene	7.973	91	6230	0.672	ug/L	98
44) trans-1,3-Dichloropropene	8.182	75	2983	0.882	ug/L	87

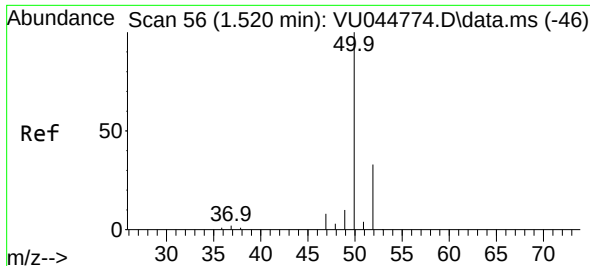
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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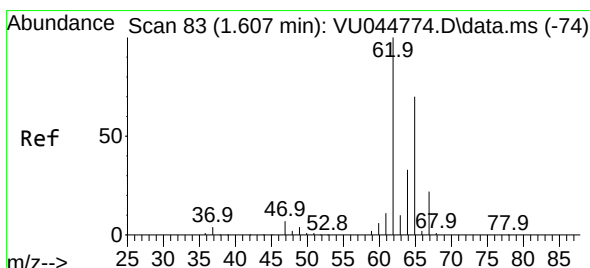
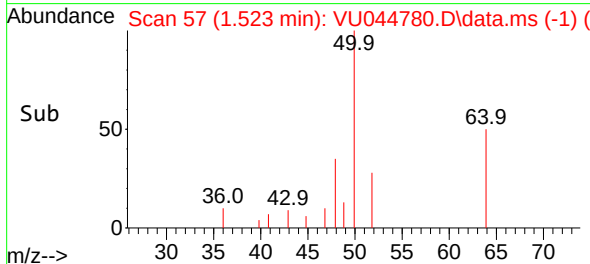
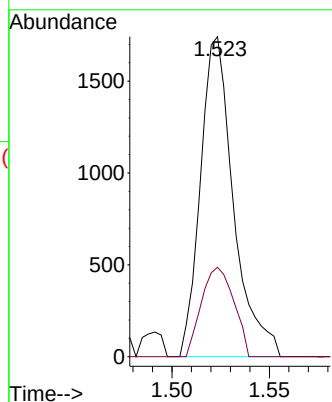
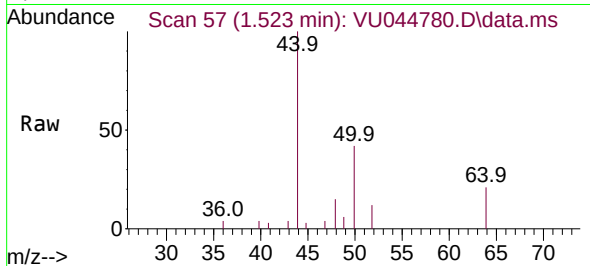




#3
Chloromethane
Concen: 0.670 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU044780.D
Acq: 23 Sep 2021 13:31

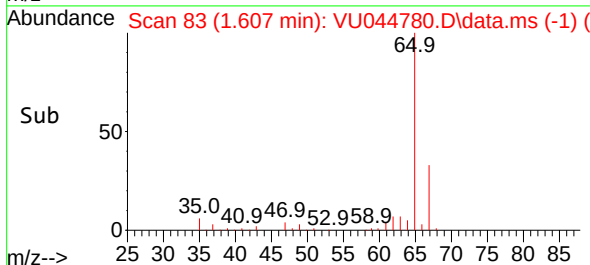
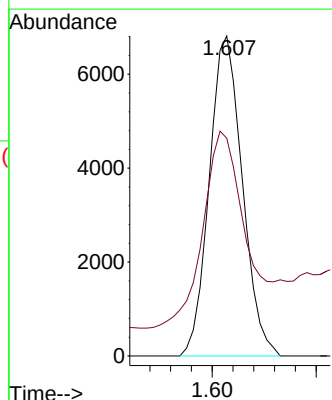
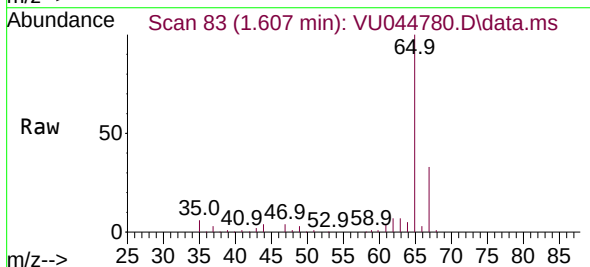
Instrument :
MSVOA_U
ClientSampled :

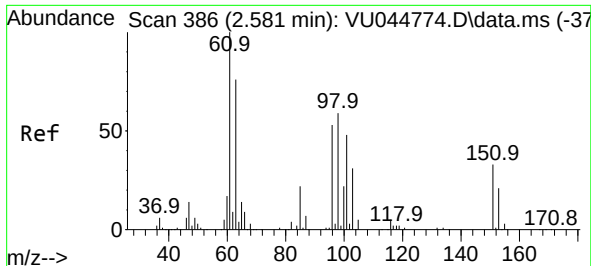
Tgt Ion: 50 Resp: 2058
Ion Ratio Lower Upper
50 100
52 28.0 23.0 42.8



#5
Vinyl chloride
Concen: 2.501 ug/L
RT: 1.607 min Scan# 83
Delta R.T. -0.000 min
Lab File: VU044780.D
Acq: 23 Sep 2021 13:31

Tgt Ion: 62 Resp: 7522
Ion Ratio Lower Upper
62 100
64 68.1 23.4 43.6#





#12

1,1-Dichloroethene

Concen: 1.617 ug/L

RT: 2.581 min Scan# 386

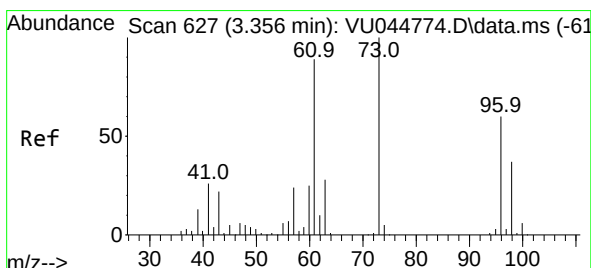
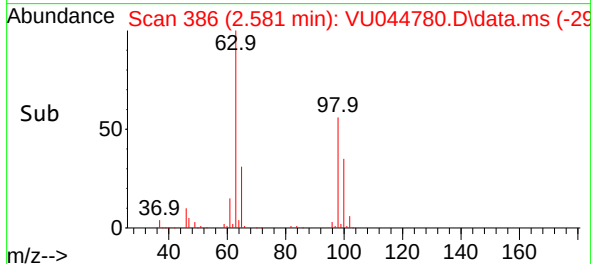
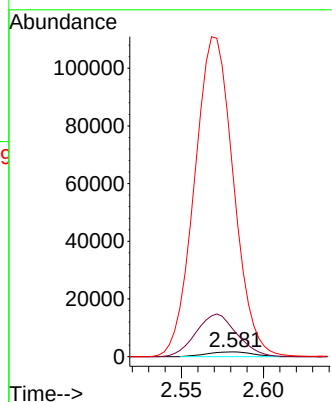
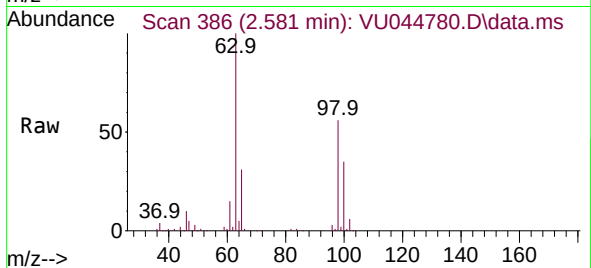
Delta R.T. -0.000 min

Lab File: VU044780.D

Acq: 23 Sep 2021 13:31

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 96 Resp: 3220
Ion Ratio Lower Upper
96 100
61 579.5 131.3 243.9#
63 3893.0 102.5 190.3#



#17

trans-1,2-Dichloroethene

Concen: 19.967 ug/L

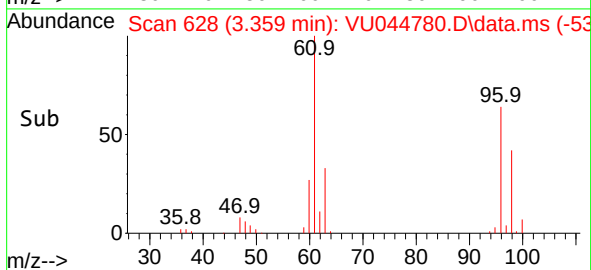
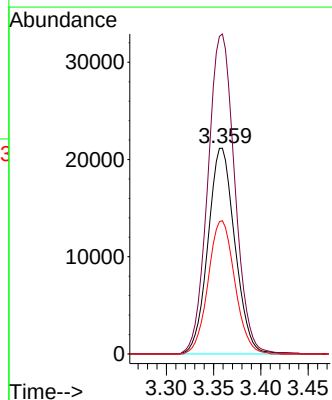
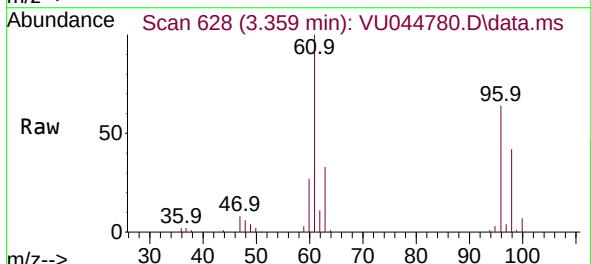
RT: 3.359 min Scan# 628

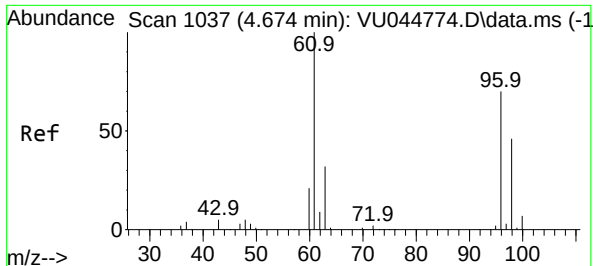
Delta R.T. 0.003 min

Lab File: VU044780.D

Acq: 23 Sep 2021 13:31

Tgt Ion: 96 Resp: 41894
Ion Ratio Lower Upper
96 100
61 155.5 105.1 195.3
98 64.8 43.0 79.8

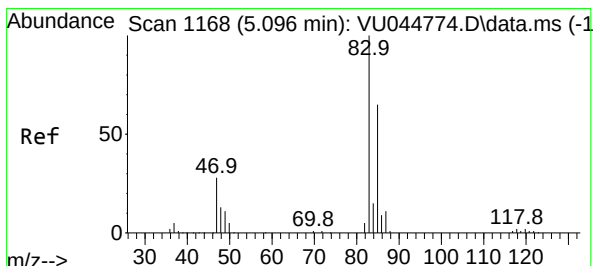
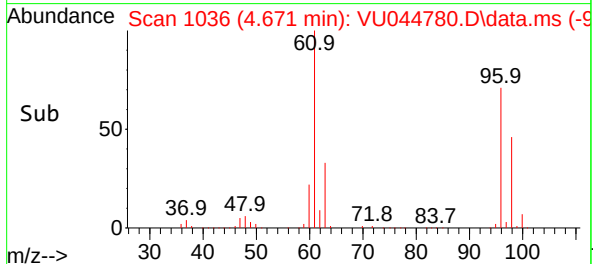
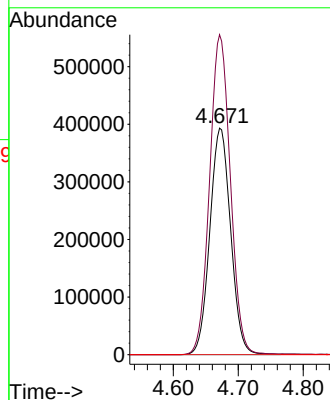
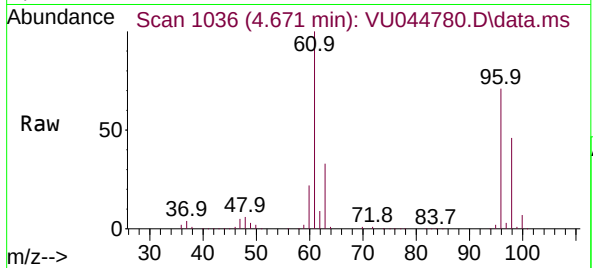




#20
cis-1,2-Dichloroethene
Concen: 378.900 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.003 min
Lab File: VU044780.D
Acq: 23 Sep 2021 13:31

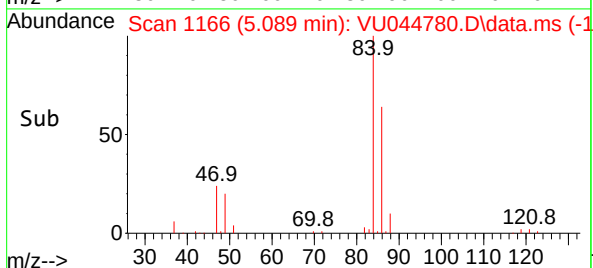
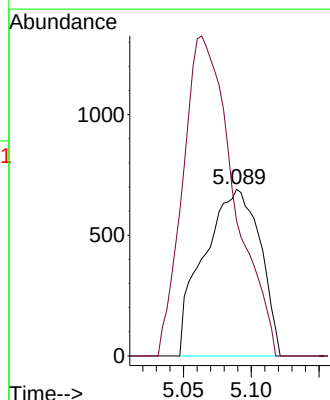
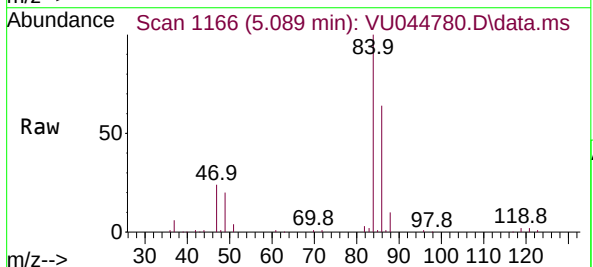
Instrument :
MSVOA_U
ClientSampled :

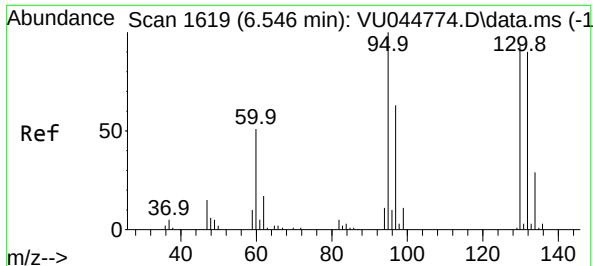
Tgt Ion: 96 Resp: 876029
Ion Ratio Lower Upper
96 100
61 141.2 100.2 186.0
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.459 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. -0.007 min
Lab File: VU044780.D
Acq: 23 Sep 2021 13:31

Tgt Ion: 83 Resp: 1990
Ion Ratio Lower Upper
83 100
85 81.2 45.6 84.6

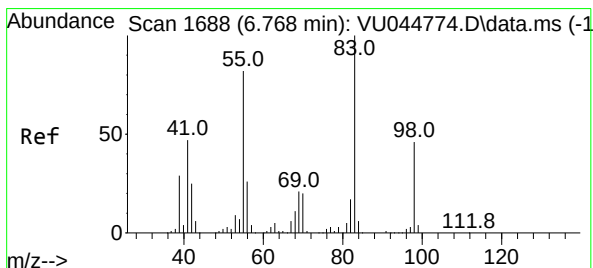
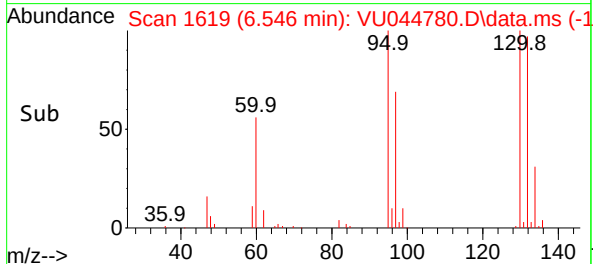
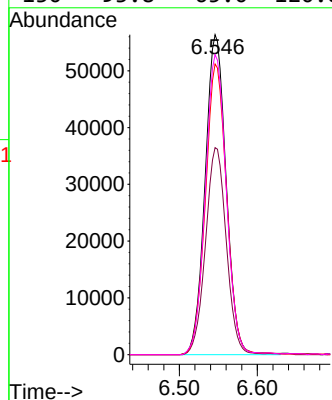
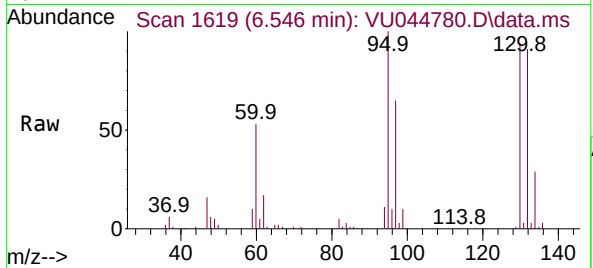




#34
Trichloroethene
Concen: 48.171 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU044780.D
Acq: 23 Sep 2021 13:31

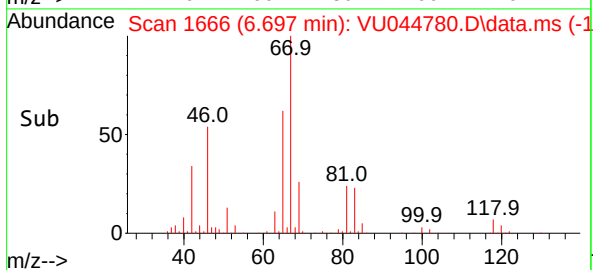
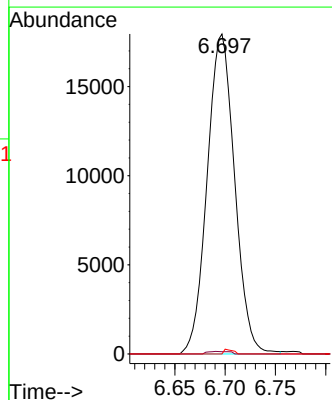
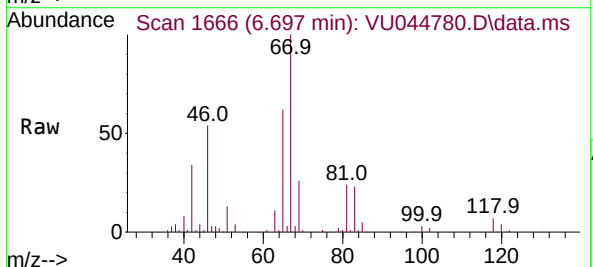
Instrument :
MSVOA_U
ClientSampleId :

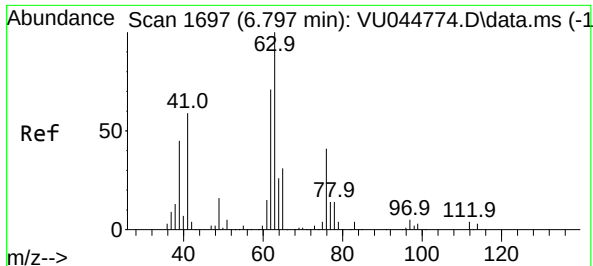
Tgt Ion: 95 Resp: 105616
Ion Ratio Lower Upper
95 100
97 64.7 44.4 82.4
132 90.8 62.9 116.9
130 93.8 65.0 120.8



#35
Methylcyclohexane
Concen: 9.304 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.071 min
Lab File: VU044780.D
Acq: 23 Sep 2021 13:31

Tgt Ion: 83 Resp: 34151
Ion Ratio Lower Upper
83 100
55 0.5 65.8 98.6#
98 0.5 37.1 55.7#



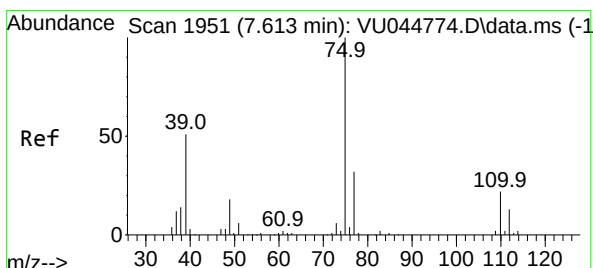
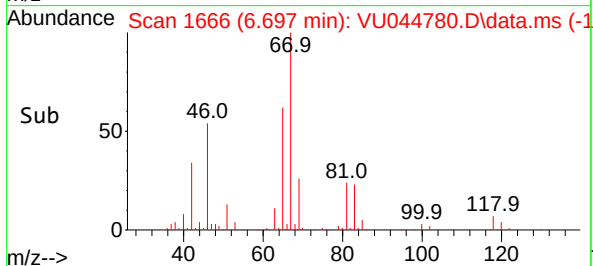
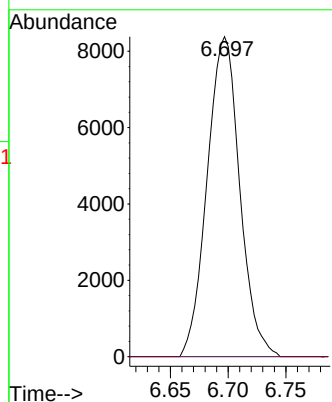
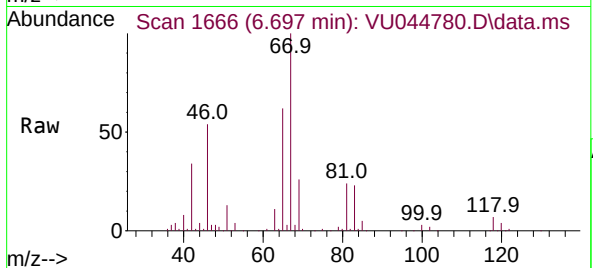


#37

1,2-Dichloropropane
Concen: 6.623 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.100 min
Lab File: VU044780.D
Acq: 23 Sep 2021 13:31

Instrument :
MSVOA_U
ClientSampled :

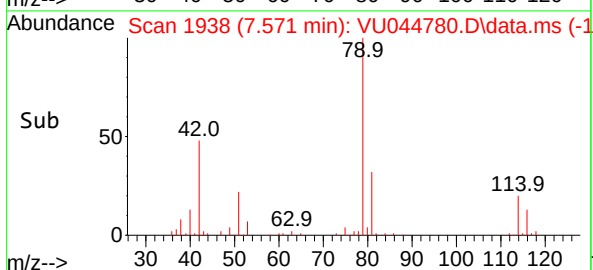
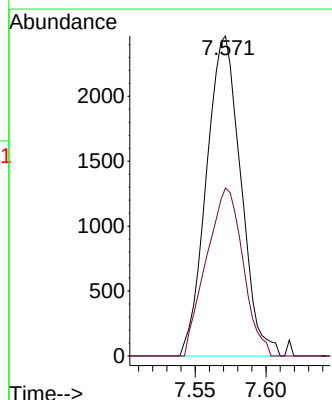
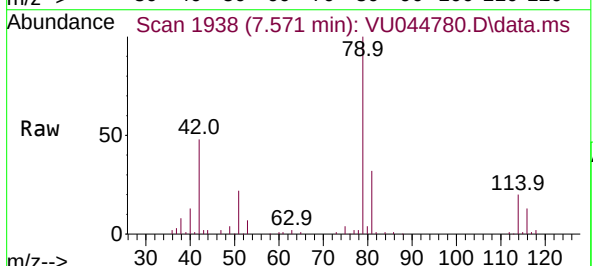
Tgt Ion: 63 Resp: 16461
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

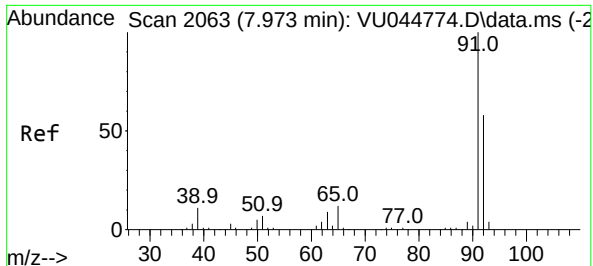


#39

cis-1,3-Dichloropropene
Concen: 1.170 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU044780.D
Acq: 23 Sep 2021 13:31

Tgt Ion: 75 Resp: 4160
Ion Ratio Lower Upper
75 100
77 52.5 22.4 41.6#

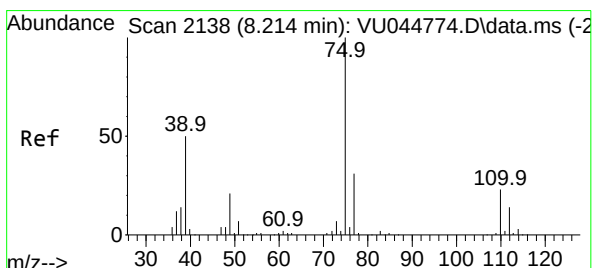
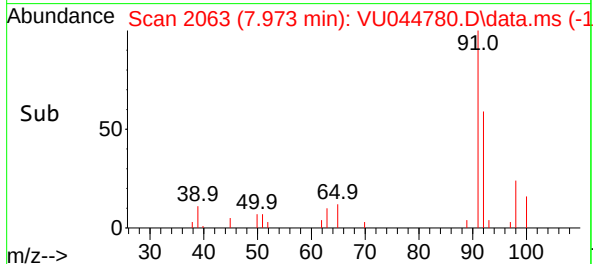
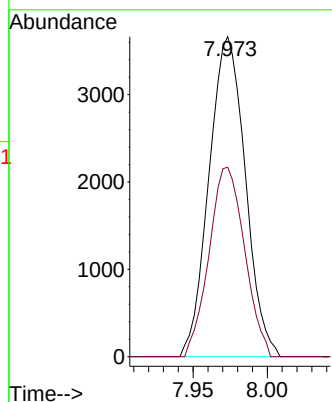
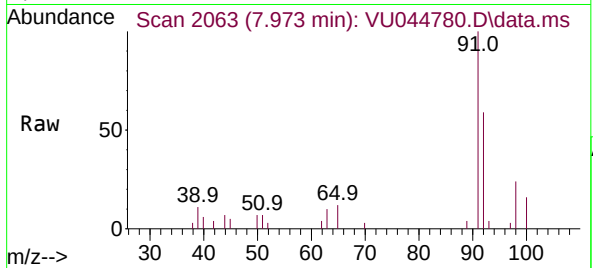




#42
Toluene
Concen: 0.672 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU044780.D
Acq: 23 Sep 2021 13:31

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 91 Resp: 6230
Ion Ratio Lower Upper
91 100
92 59.2 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 0.882 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU044780.D
Acq: 23 Sep 2021 13:31

Tgt Ion: 75 Resp: 2983
Ion Ratio Lower Upper
75 100
77 38.0 21.7 40.3

