

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092321\
 Data File : VU044783.D
 Acq On : 23 Sep 2021 14:41
 Operator : SY/MD
 Sample : M3873-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 24 05:37:40 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)

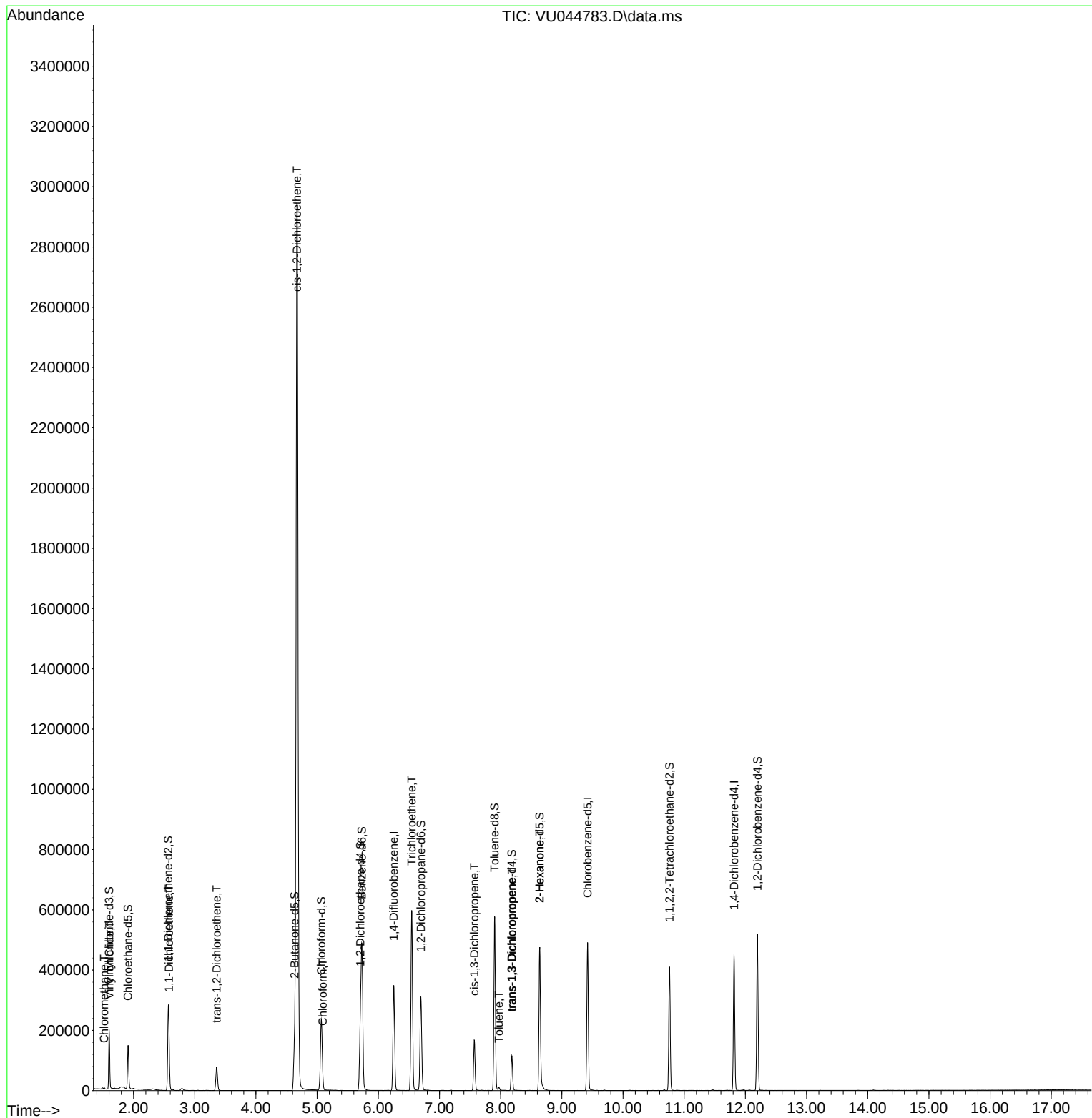
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	264746	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	252806	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	110554	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	131645	45.423	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.840%		
7) Chloroethane-d5	1.909	69	107178	46.668	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.340%		
11) 1,1-Dichloroethene-d2	2.568	63	171725	35.283	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.560%		
21) 2-Butanone-d5	4.633	46	239881	104.695	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	104.690%		
24) Chloroform-d	5.070	84	208775	45.610	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.220%		
26) 1,2-Dichloroethane-d4	5.707	65	149619	48.256	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.520%		
32) Benzene-d6	5.732	84	430358	49.059	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.120%		
36) 1,2-Dichloropropane-d6	6.697	67	142945	49.975	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.940%		
41) Toluene-d8	7.903	98	356811	47.133	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.260%		
43) trans-1,3-Dichloroprop...	8.182	79	60744	47.741	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.480%		
47) 2-Hexanone-d5	8.639	63	165299	104.282	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	104.280%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	203878	45.773	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.540%		
66) 1,2-Dichlorobenzene-d4	12.198	152	125203	52.039	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.080%		
Target Compounds						Qvalue
3) Chloromethane	1.520	50	2434	0.770	ug/L	98
5) Vinyl chloride	1.607	62	7262	2.346	ug/L #	52
12) 1,1-Dichloroethene	2.581	96	4381	2.137	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	30480	14.113	ug/L	95
20) cis-1,2-Dichloroethene	4.671	96	1453616	610.814	ug/L	97
25) Chloroform	5.092	83	1932	0.433	ug/L	95
34) Trichloroethene	6.546	95	198929	88.329	ug/L	99
39) cis-1,3-Dichloropropene	7.568	75	3838	1.051	ug/L #	57
42) Toluene	7.973	91	5841	0.613	ug/L	92
44) trans-1,3-Dichloropropene	8.185	75	2801	0.806	ug/L	86
48) 2-Hexanone	8.639	43	19764	5.226	ug/L #	69

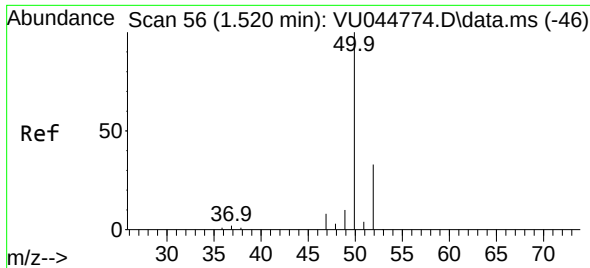
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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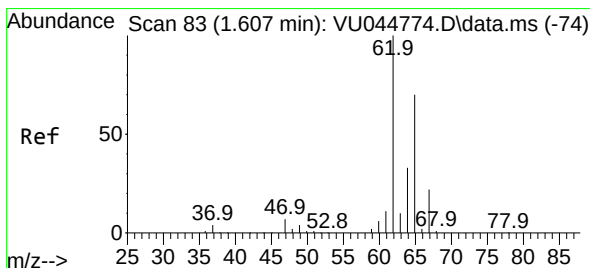
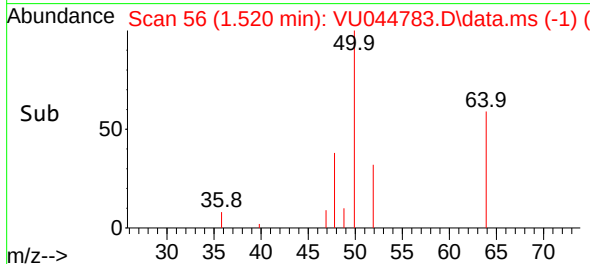
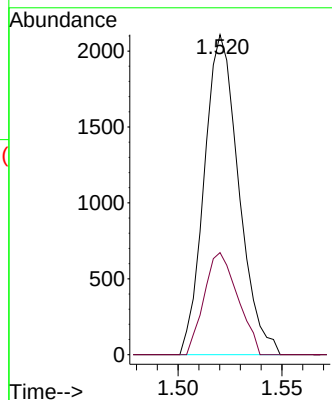
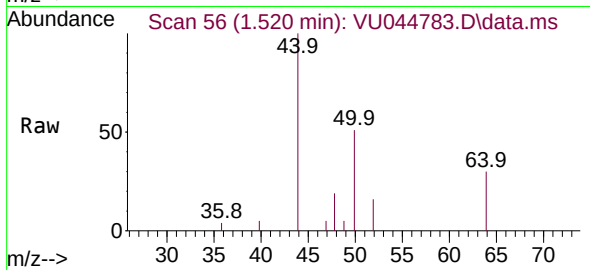




#3
Chloromethane
Concen: 0.770 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU044783.D
Acq: 23 Sep 2021 14:41

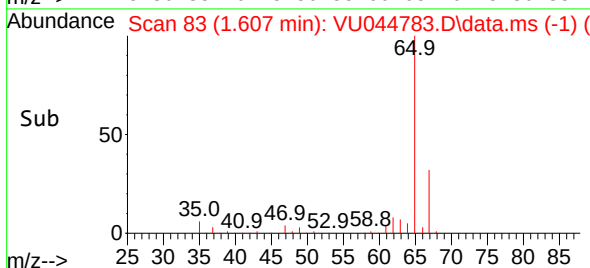
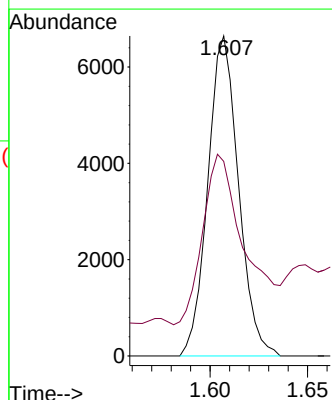
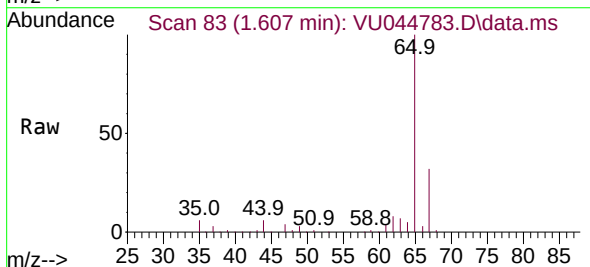
Instrument :
MSVOA_U
ClientSampled :

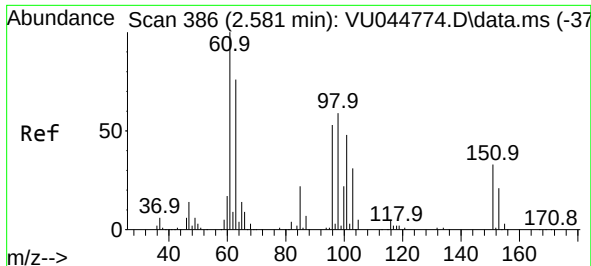
Tgt Ion: 50 Resp: 2434
Ion Ratio Lower Upper
50 100
52 31.9 23.0 42.8



#5
Vinyl chloride
Concen: 2.346 ug/L
RT: 1.607 min Scan# 83
Delta R.T. -0.000 min
Lab File: VU044783.D
Acq: 23 Sep 2021 14:41

Tgt Ion: 62 Resp: 7262
Ion Ratio Lower Upper
62 100
64 60.8 23.4 43.6#





#12

1,1-Dichloroethene

Concen: 2.137 ug/L

RT: 2.581 min Scan# 386

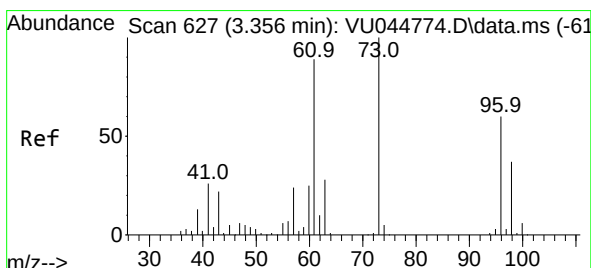
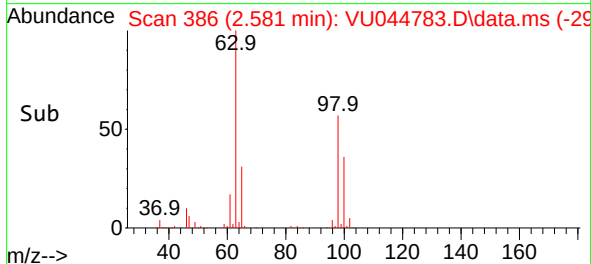
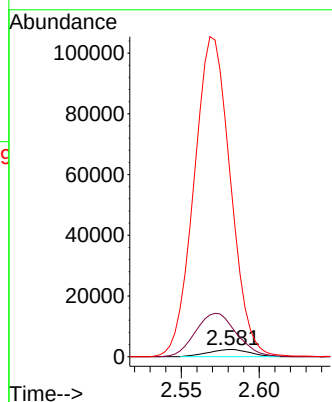
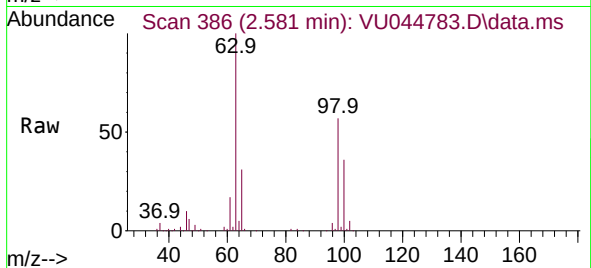
Delta R.T. -0.000 min

Lab File: VU044783.D

Acq: 23 Sep 2021 14:41

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 96 Resp: 4381
Ion Ratio Lower Upper
96 100
61 440.7 131.3 243.9#
63 2522.9 102.5 190.3#



#17

trans-1,2-Dichloroethene

Concen: 14.113 ug/L

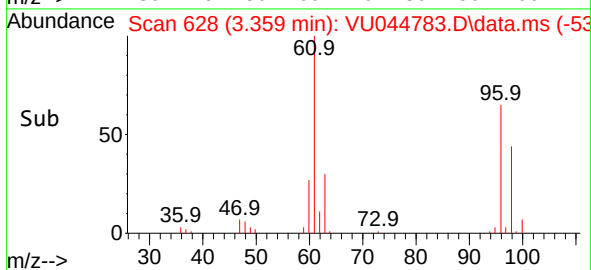
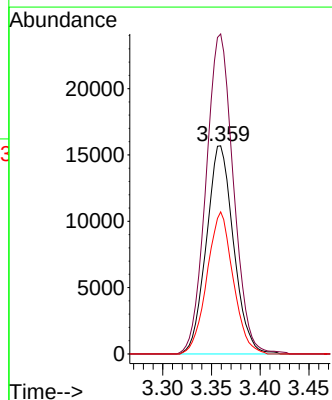
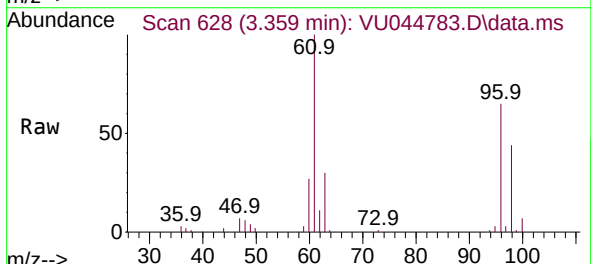
RT: 3.359 min Scan# 628

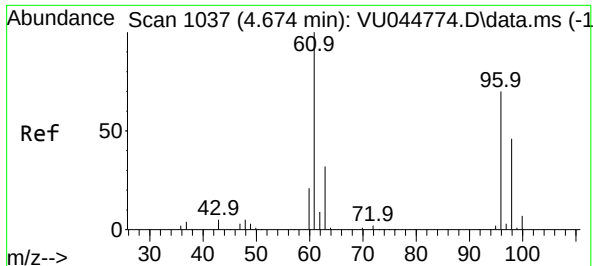
Delta R.T. 0.003 min

Lab File: VU044783.D

Acq: 23 Sep 2021 14:41

Tgt Ion: 96 Resp: 30480
Ion Ratio Lower Upper
96 100
61 153.7 105.1 195.3
98 68.2 43.0 79.8





#20

cis-1,2-Dichloroethene

Concen: 610.814 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.003 min

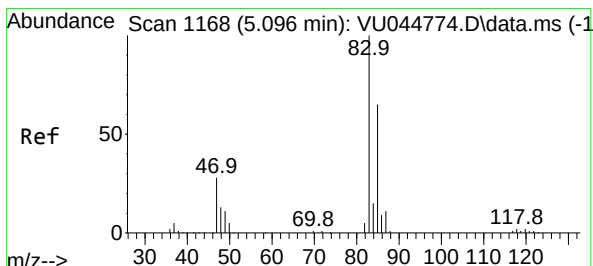
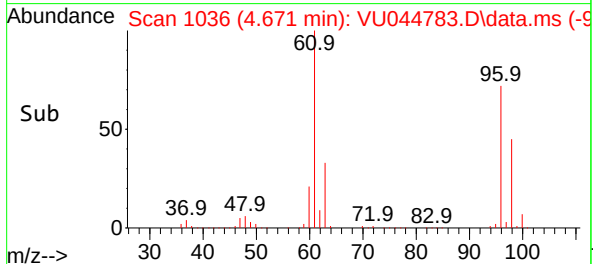
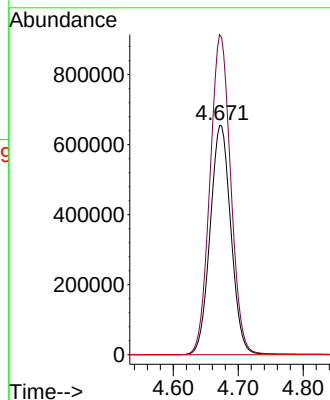
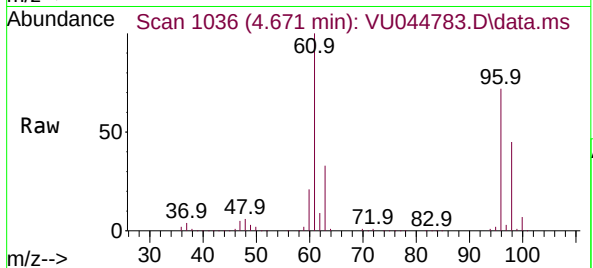
Lab File: VU044783.D

Acq: 23 Sep 2021 14:41

Tgt Ion: 96 Resp: 1453616

Ion	Ratio	Lower	Upper
96	100		
61	139.6	100.2	186.0
68	0.0	0.0	0.0

Instrument :
MSVOA_U
ClientSampleId :



#25

Chloroform

Concen: 0.433 ug/L

RT: 5.092 min Scan# 1167

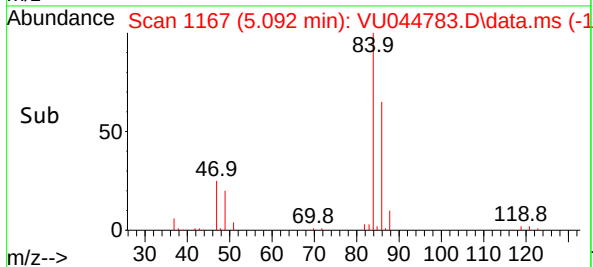
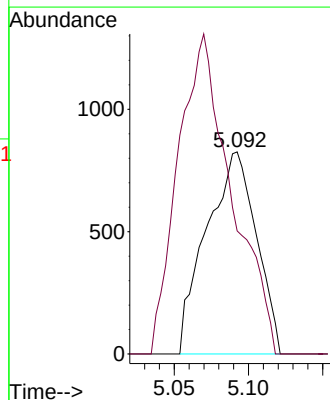
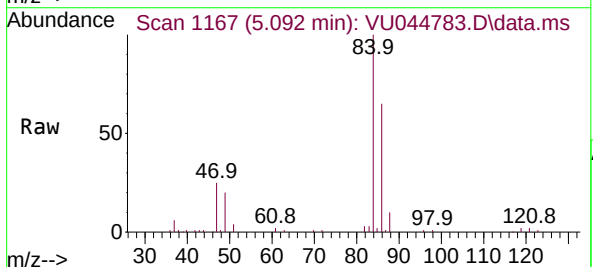
Delta R.T. -0.003 min

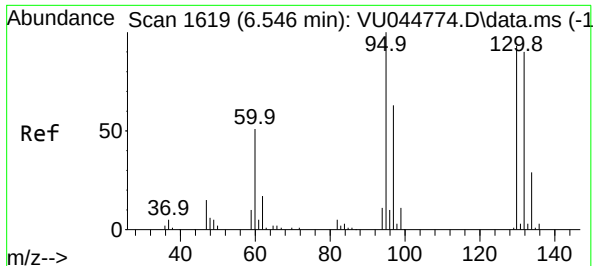
Lab File: VU044783.D

Acq: 23 Sep 2021 14:41

Tgt Ion: 83 Resp: 1932

Ion	Ratio	Lower	Upper
83	100		
85	60.9	45.6	84.6





#34

Trichloroethene

Concen: 88.329 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VU044783.D

Acq: 23 Sep 2021 14:41

Tgt Ion: 95 Resp: 198929

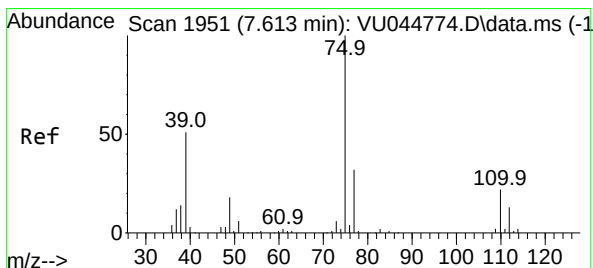
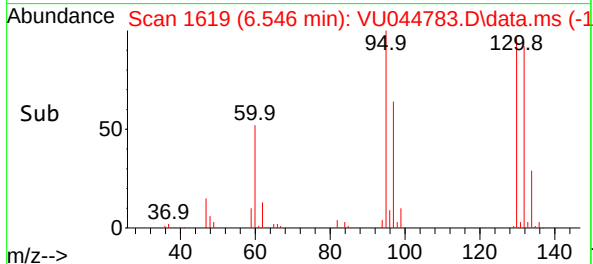
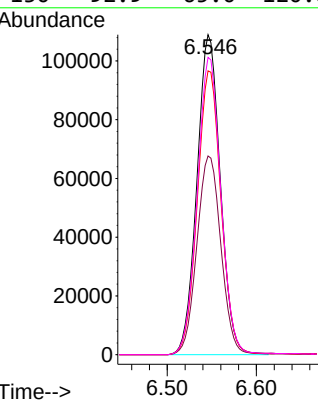
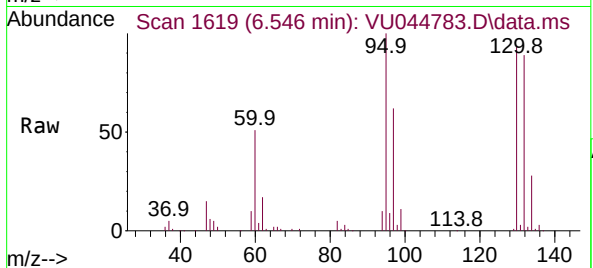
Ion Ratio Lower Upper

95 100

97 62.1 44.4 82.4

132 88.7 62.9 116.9

130 92.9 65.0 120.8



#39

cis-1,3-Dichloropropene

Concen: 1.051 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.045 min

Lab File: VU044783.D

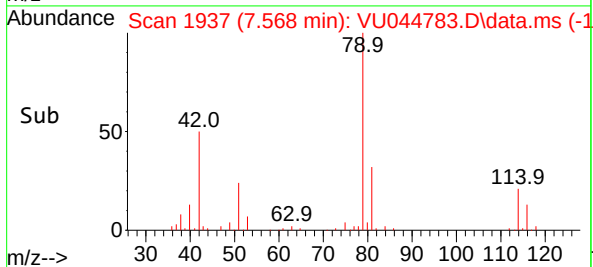
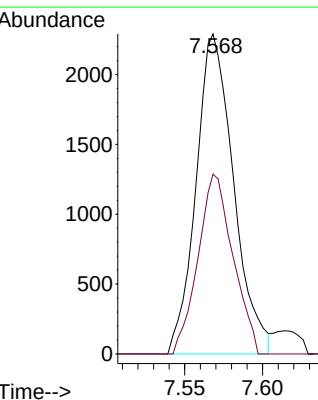
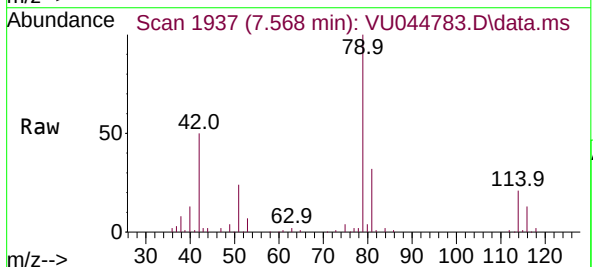
Acq: 23 Sep 2021 14:41

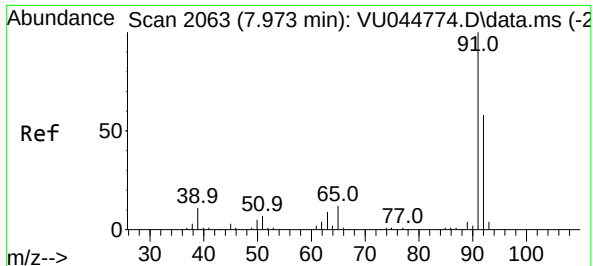
Tgt Ion: 75 Resp: 3838

Ion Ratio Lower Upper

75 100

77 56.2 22.4 41.6#

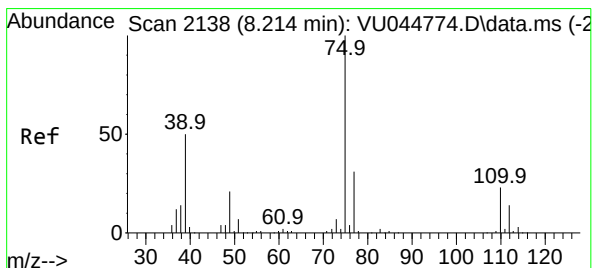
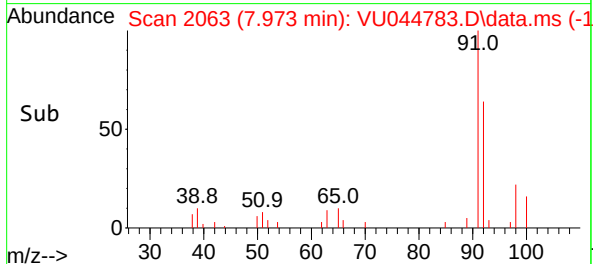
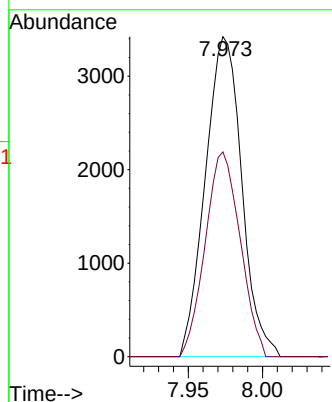
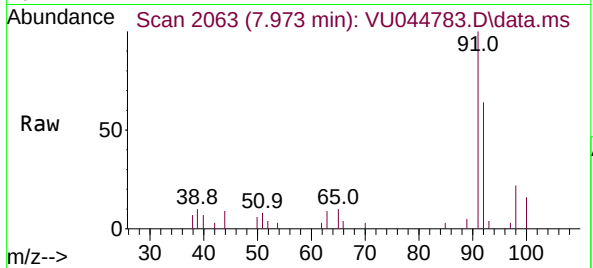




#42
Toluene
Concen: 0.613 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU044783.D
Acq: 23 Sep 2021 14:41

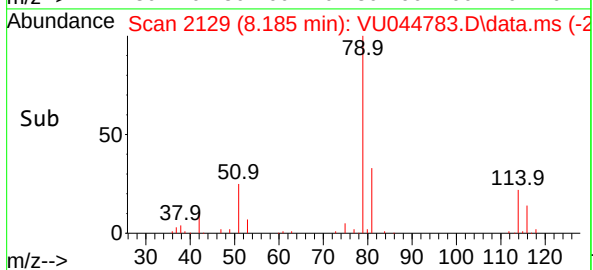
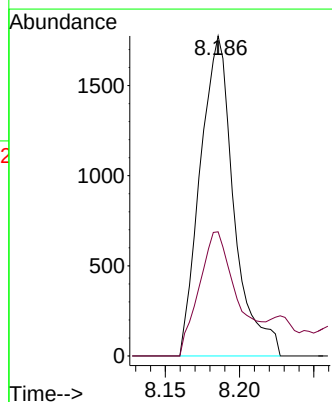
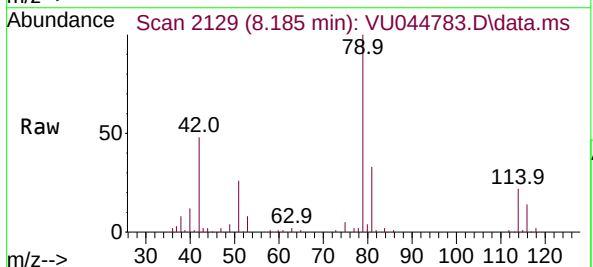
Instrument :
MSVOA_U
ClientSampled :

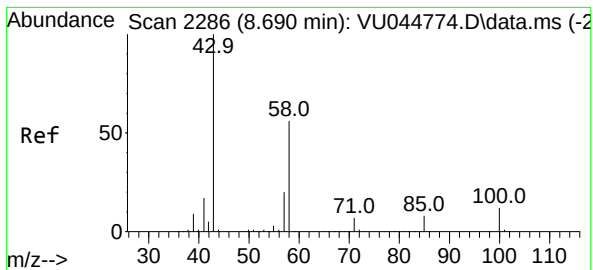
Tgt Ion: 91 Resp: 5841
Ion Ratio Lower Upper
91 100
92 64.0 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 0.806 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.029 min
Lab File: VU044783.D
Acq: 23 Sep 2021 14:41

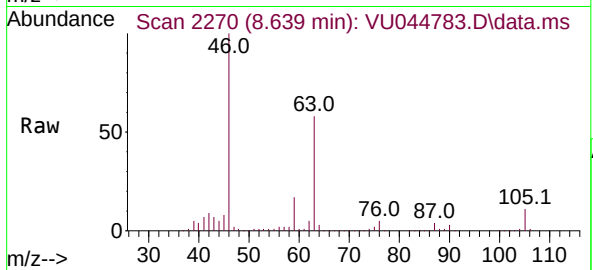
Tgt Ion: 75 Resp: 2801
Ion Ratio Lower Upper
75 100
77 38.8 21.7 40.3





#48
 2-Hexanone
 Concen: 5.226 ug/L
 RT: 8.639 min Scan# 2270
 Delta R.T. -0.052 min
 Lab File: VU044783.D
 Acq: 23 Sep 2021 14:41

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	43	Resp:	19764
Ion	Ratio	Lower	Upper
43	100		
58	29.8	44.9	67.3#
57	28.1	15.5	23.3#
100	0.6	9.4	14.0#

