

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092421\
 Data File : VU044809.D
 Acq On : 24 Sep 2021 14:00
 Operator : SY/MD
 Sample : M3873-08DL 4X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 25 02:38:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 25 02:36:00 2021
 Response via : Initial Calibration

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

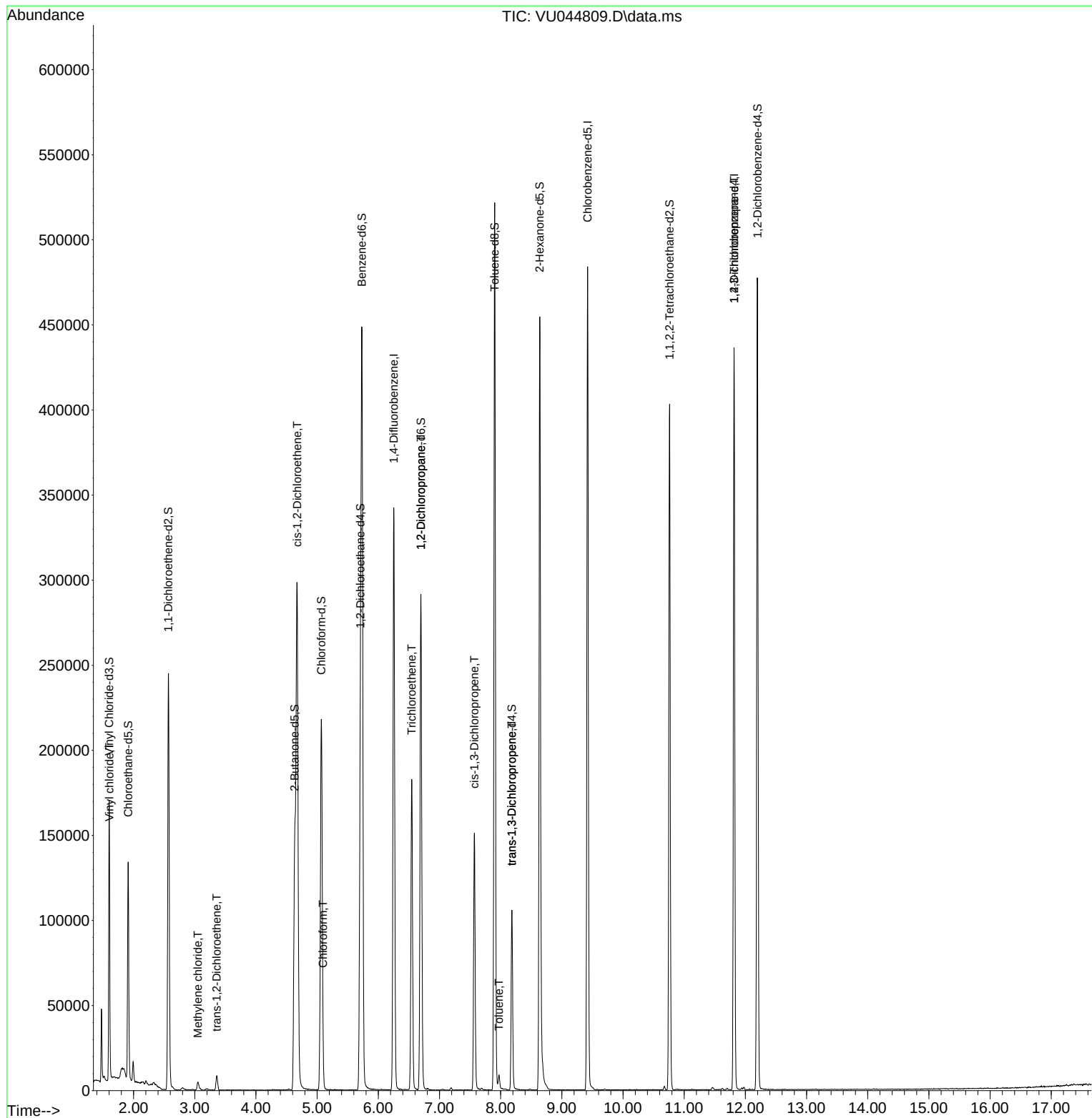
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	259721	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	247062	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	107204	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	111436	39.194	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	78.380%		
7) Chloroethane-d5	1.912	69	97261	43.169	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.340%		
11) 1,1-Dichloroethene-d2	2.568	63	148584	31.119	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	62.240%		
21) 2-Butanone-d5	4.633	46	231806	103.128	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	103.130%		
24) Chloroform-d	5.070	84	195943	43.635	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.260%		
26) 1,2-Dichloroethane-d4	5.707	65	138073	45.393	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.780%		
32) Benzene-d6	5.732	84	395850	46.174	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.340%		
36) 1,2-Dichloropropane-d6	6.697	67	131659	47.099	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.200%		
41) Toluene-d8	7.903	98	326002	44.064	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.120%		
43) trans-1,3-Dichloroprop...	8.182	79	55499	44.633	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.260%		
47) 2-Hexanone-d5	8.639	63	154018	99.424	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.420%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	198717	45.652	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.300%		
66) 1,2-Dichlorobenzene-d4	12.198	152	115008	49.295	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.580%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	2488	0.819	ug/L #	1
16) Methylene chloride	3.051	84	2101	0.825	ug/L	89
17) trans-1,2-Dichloroethene	3.359	96	3005	1.418	ug/L	95
20) cis-1,2-Dichloroethene	4.674	96	139139	59.598	ug/L	95
25) Chloroform	5.096	83	2612	0.596	ug/L	98
34) Trichloroethene	6.546	95	61433	27.912	ug/L	100
37) 1,2-Dichloropropane	6.697	63	14815	5.938	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	3470	0.972	ug/L #	60
42) Toluene	7.973	91	5018	0.539	ug/L	99
44) trans-1,3-Dichloropropene	8.182	75	2690	0.792	ug/L	86
60) 1,2,3-Trichloropropane	11.816	75	15150	5.109	ug/L #	69

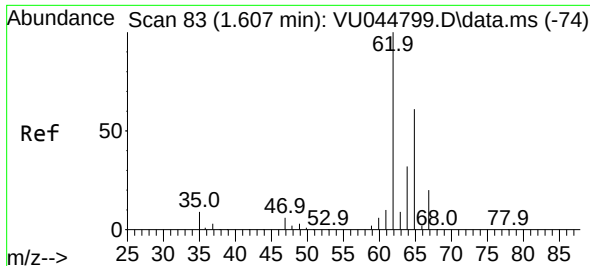
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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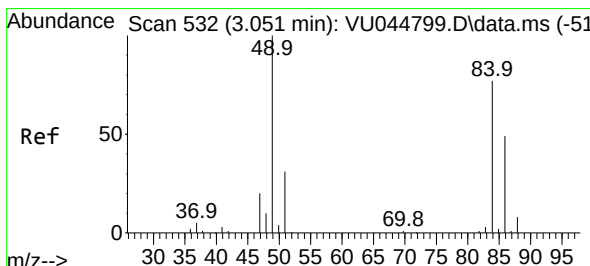
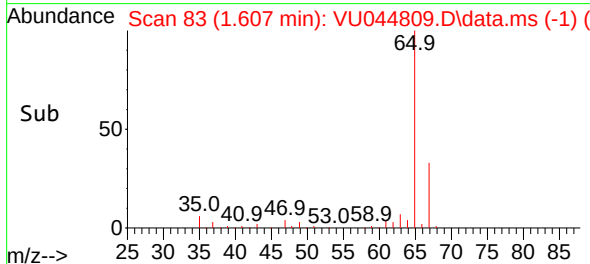
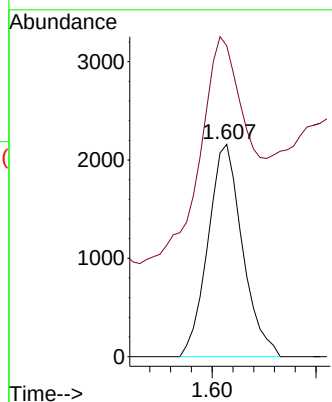
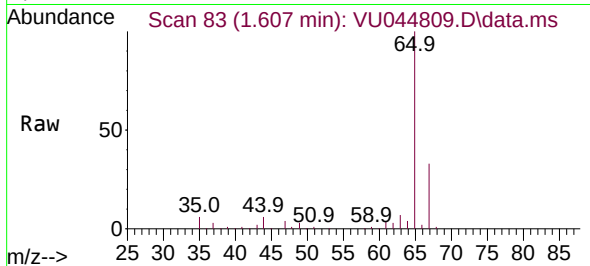




#5
 Vinyl chloride
 Concen: 0.819 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU044809.D
 Acq: 24 Sep 2021 14:00

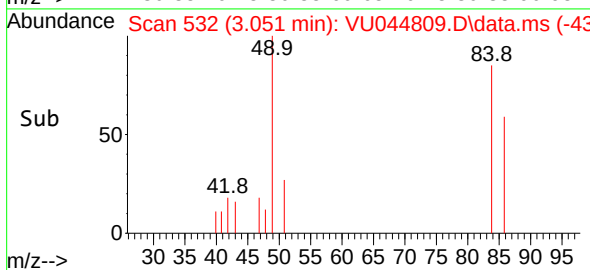
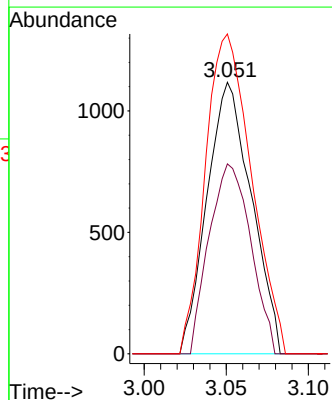
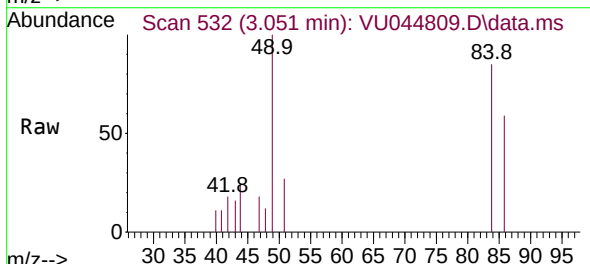
Instrument :
 MSVOA_U
 ClientSampled :

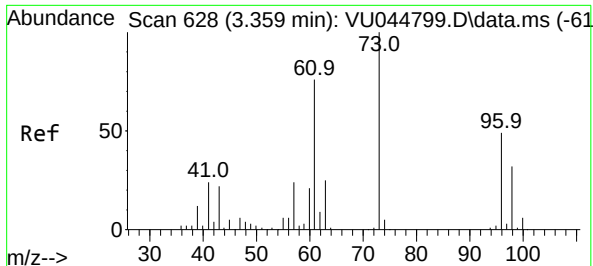
Tgt Ion: 62 Resp: 2488
 Ion Ratio Lower Upper
 62 100
 64 146.5 23.4 43.6#



#16
 Methylene chloride
 Concen: 0.825 ug/L
 RT: 3.051 min Scan# 532
 Delta R.T. 0.000 min
 Lab File: VU044809.D
 Acq: 24 Sep 2021 14:00

Tgt Ion: 84 Resp: 2101
 Ion Ratio Lower Upper
 84 100
 86 69.9 44.7 83.1
 49 117.8 92.9 172.5

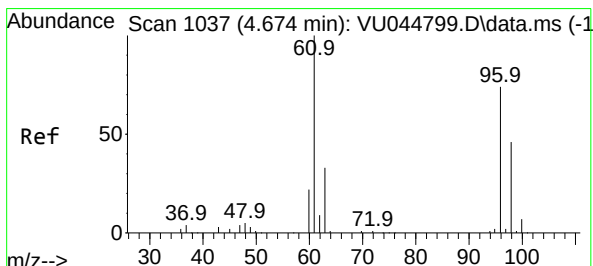
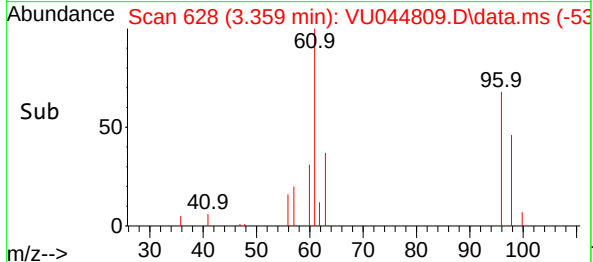
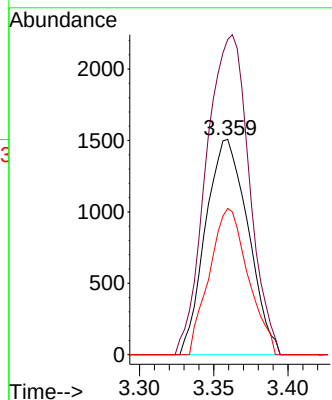
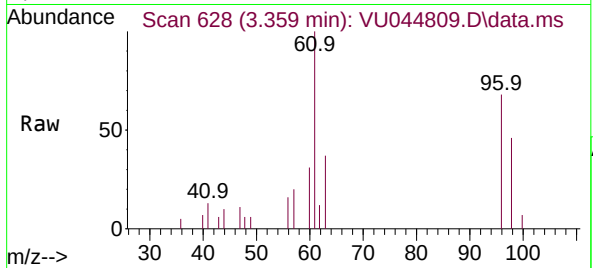




#17
trans-1,2-Dichloroethene
Concen: 1.418 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.000 min
Lab File: VU044809.D
Acq: 24 Sep 2021 14:00

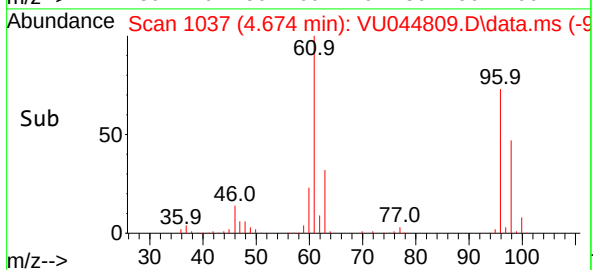
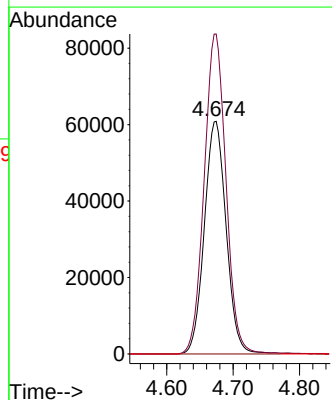
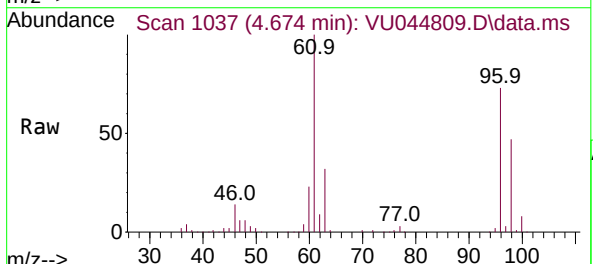
Instrument :
MSVOA_U
ClientSampled :

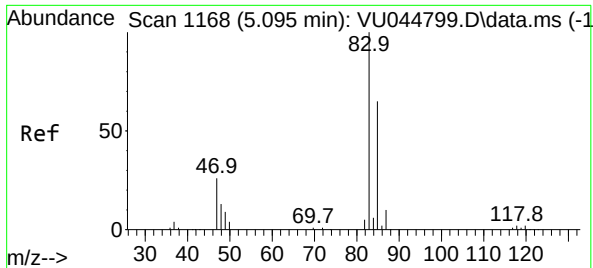
Tgt Ion: 96 Resp: 3005
Ion Ratio Lower Upper
96 100
61 146.4 105.1 195.3
98 67.9 43.0 79.8



#20
cis-1,2-Dichloroethene
Concen: 59.598 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VU044809.D
Acq: 24 Sep 2021 14:00

Tgt Ion: 96 Resp: 139139
Ion Ratio Lower Upper
96 100
61 137.5 100.2 186.0
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.596 ug/L

RT: 5.096 min Scan# 1168

Delta R.T. 0.000 min

Lab File: VU044809.D

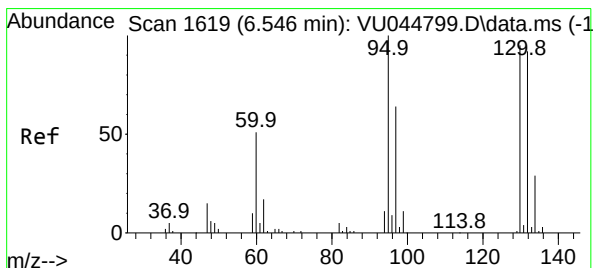
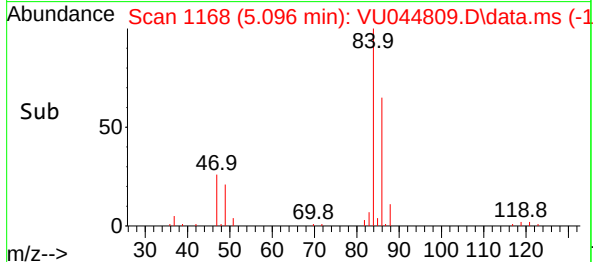
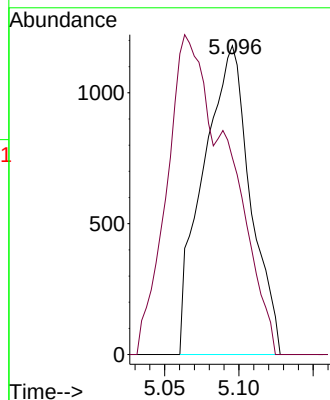
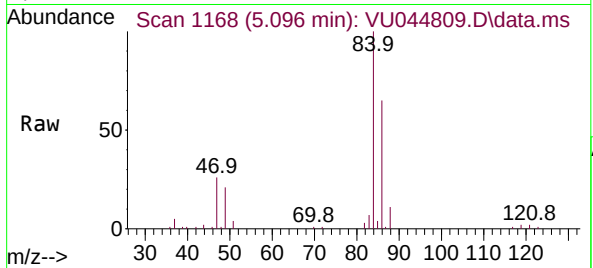
Acq: 24 Sep 2021 14:00

Tgt Ion: 83 Resp: 2612

Ion Ratio Lower Upper

83 100

85 63.7 45.6 84.6



#34

Trichloroethene

Concen: 27.912 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VU044809.D

Acq: 24 Sep 2021 14:00

Tgt Ion: 95 Resp: 61433

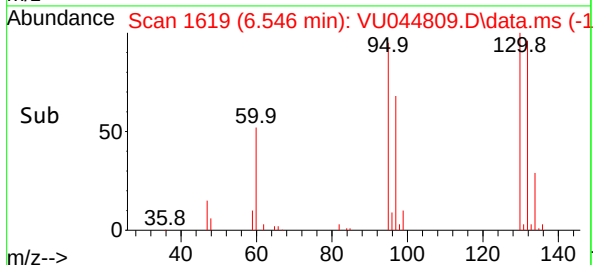
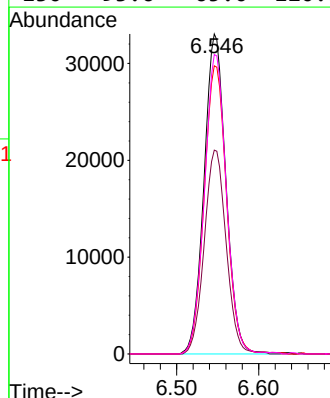
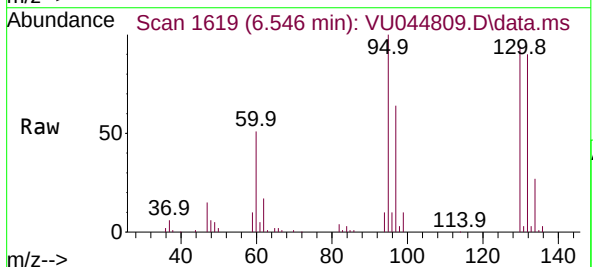
Ion Ratio Lower Upper

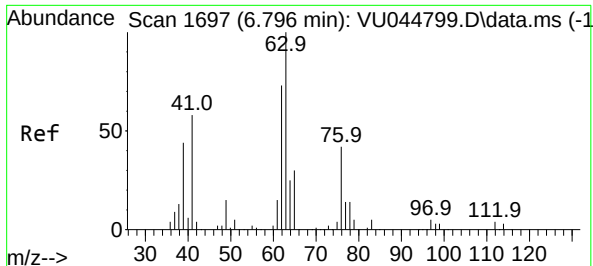
95 100

97 63.7 44.4 82.4

132 90.1 62.9 116.9

130 93.6 65.0 120.8



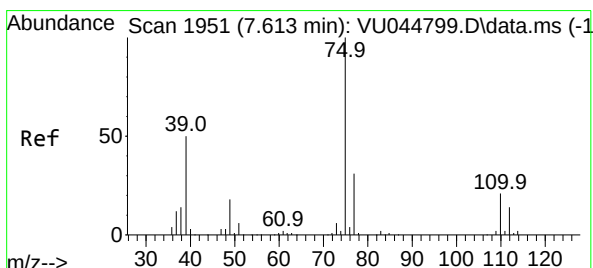
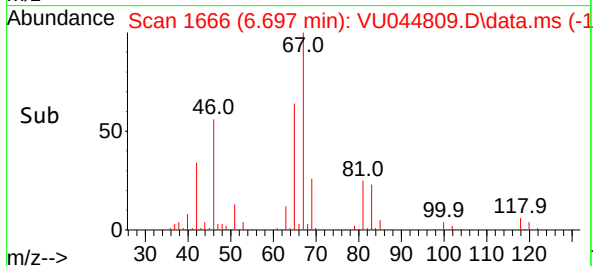
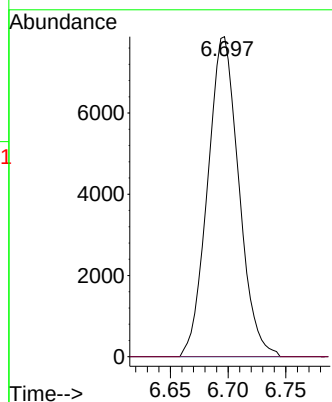
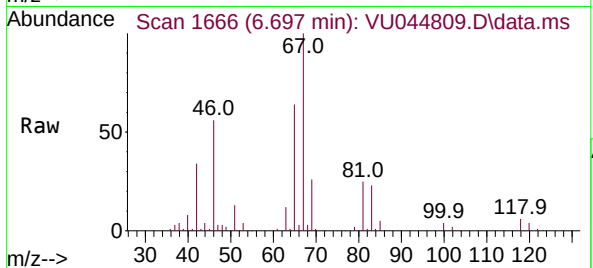


#37

1,2-Dichloropropane
Concen: 5.938 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.100 min
Lab File: VU044809.D
Acq: 24 Sep 2021 14:00

Instrument :
MSVOA_U
ClientSampled :

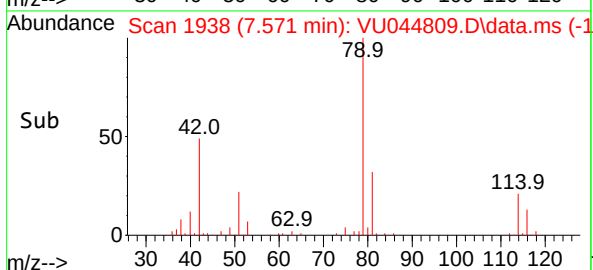
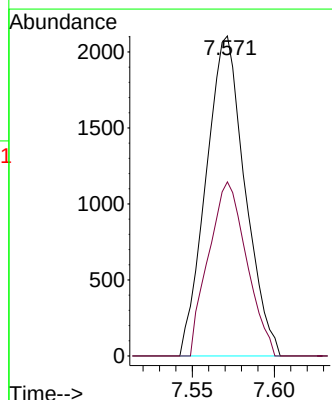
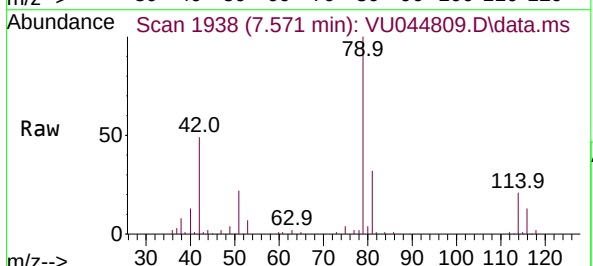
Tgt Ion: 63 Resp: 14815
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

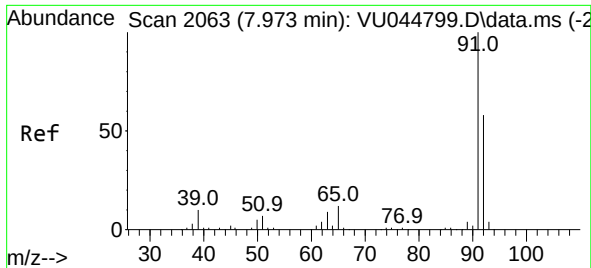


#39

cis-1,3-Dichloropropene
Concen: 0.972 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU044809.D
Acq: 24 Sep 2021 14:00

Tgt Ion: 75 Resp: 3470
Ion Ratio Lower Upper
75 100
77 54.4 22.4 41.6#

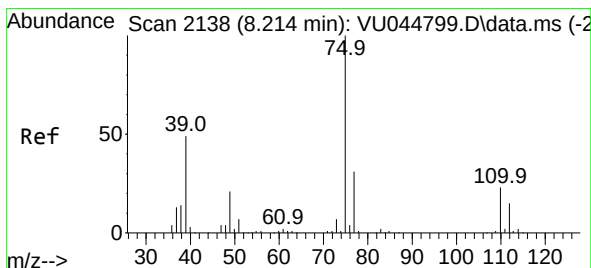
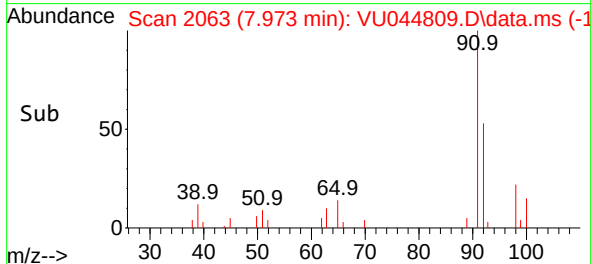
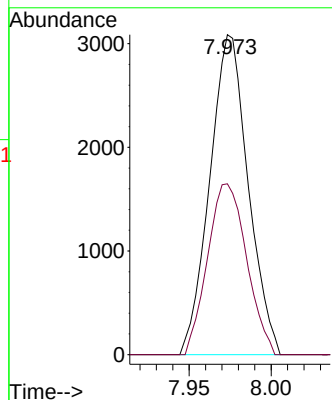
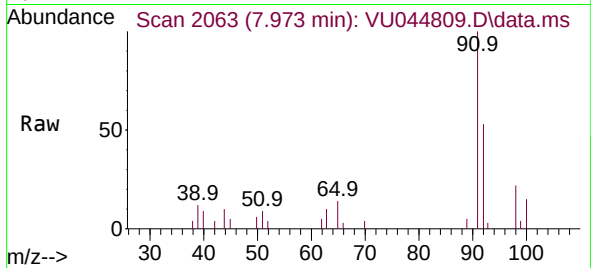




#42
Toluene
Concen: 0.539 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU044809.D
Acq: 24 Sep 2021 14:00

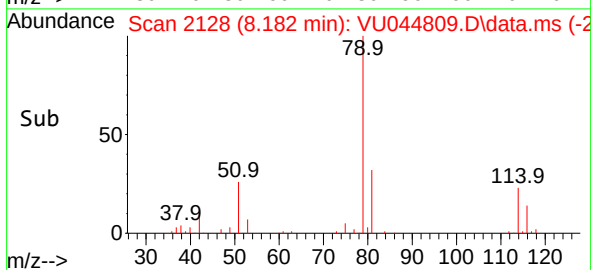
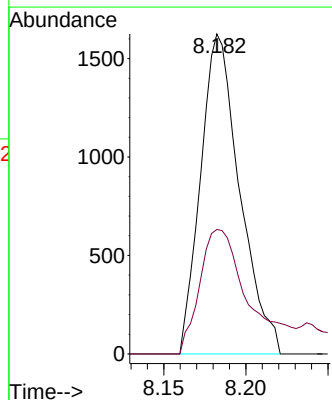
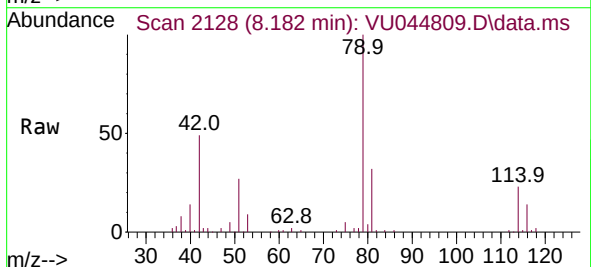
Instrument :
MSVOA_U
ClientSampled :

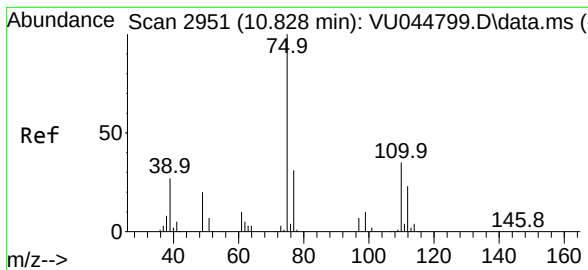
Tgt Ion: 91 Resp: 5018
Ion Ratio Lower Upper
91 100
92 56.8 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 0.792 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU044809.D
Acq: 24 Sep 2021 14:00

Tgt Ion: 75 Resp: 2690
Ion Ratio Lower Upper
75 100
77 38.9 21.7 40.3





#60
 1,2,3-Trichloropropane
 Concen: 5.109 ug/L
 RT: 11.816 min Scan# 3258
 Delta R.T. 0.987 min
 Lab File: VU044809.D
 Acq: 24 Sep 2021 14:00

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:	75	Resp:	15150
Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.5	38.3
110	2.1	29.0	43.4#

