

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092321\
 Data File : VU044789.D
 Acq On : 23 Sep 2021 17:00
 Operator : SY/MD
 Sample : M3873-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 24 05:38:47 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)

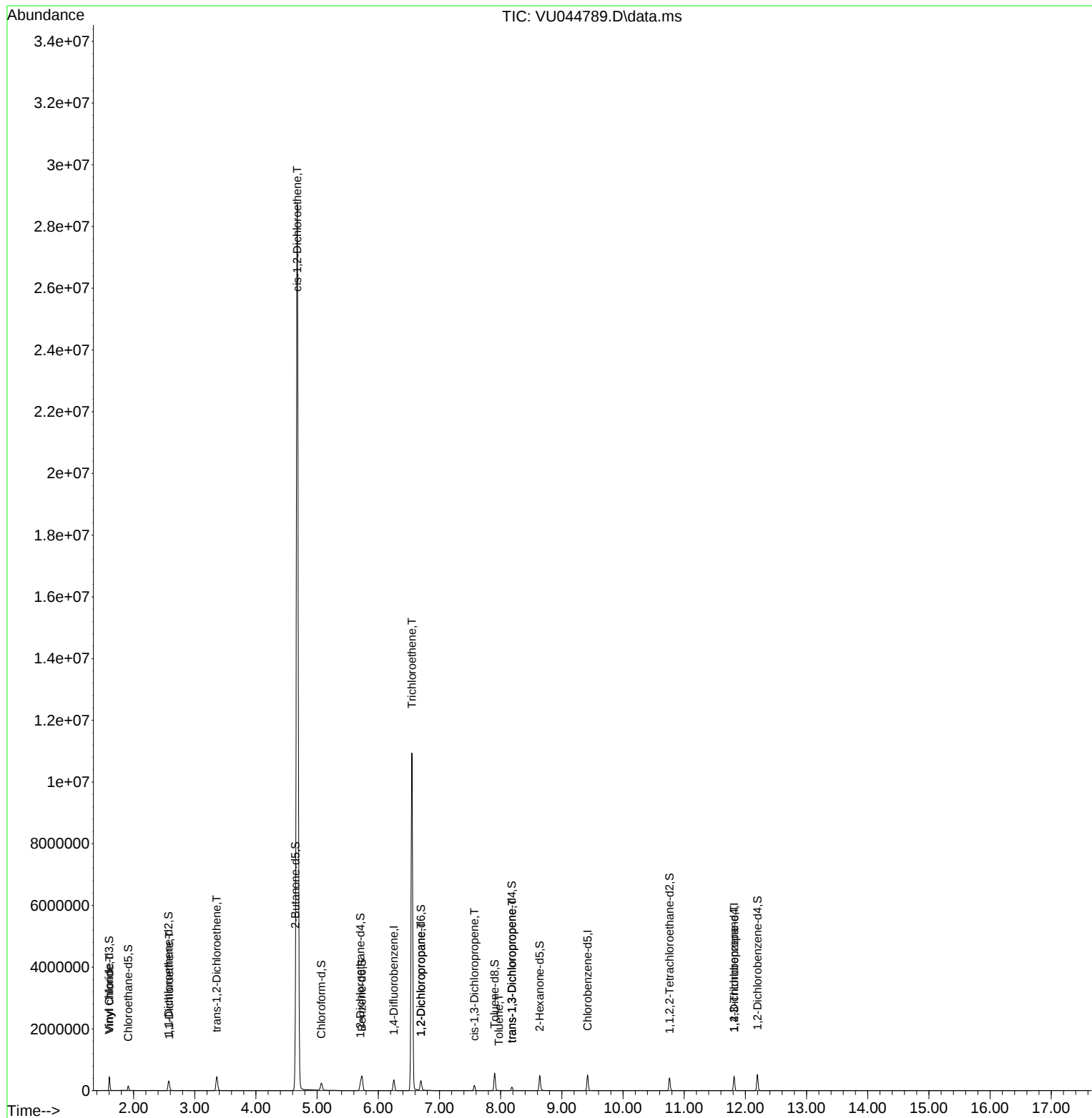
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	266592	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	259541	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	113162	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	133118	45.613	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.220%		
7) Chloroethane-d5	1.912	69	108070	46.730	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.460%		
11) 1,1-Dichloroethene-d2	2.571	63	185204	37.789	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	75.580%		
21) 2-Butanone-d5	4.645	46	264906	114.816	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery =	114.820%		
24) Chloroform-d	5.070	84	203291	44.104	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.200%		
26) 1,2-Dichloroethane-d4	5.706	65	145981	46.756	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.520%		
32) Benzene-d6	5.732	84	420084	46.645	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.280%		
36) 1,2-Dichloropropane-d6	6.697	67	137690	46.888	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.780%		
41) Toluene-d8	7.902	98	354112	45.562	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.120%		
43) trans-1,3-Dichloroprop...	8.182	79	60697	46.466	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.940%		
47) 2-Hexanone-d5	8.639	63	167209	102.749	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	102.750%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	206864	45.238	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.480%		
66) 1,2-Dichlorobenzene-d4	12.198	152	125581	50.993	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.980%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	189222	60.702	ug/L	99
12) 1,1-Dichloroethene	2.584	96	28129	13.625	ug/L #	11
17) trans-1,2-Dichloroethene	3.359	96	187933	86.416	ug/L	99
20) cis-1,2-Dichloroethene	4.674	96	14121755	5892.915	ug/L	91
34) Trichloroethene	6.549	95	3718151	1608.106	ug/L	98
37) 1,2-Dichloropropane	6.697	63	15918	6.073	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	4010	1.069	ug/L #	63
42) Toluene	7.973	91	6356	0.650	ug/L	95
44) trans-1,3-Dichloropropene	8.185	75	2749	0.771	ug/L #	83
60) 1,2,3-Trichloropropane	11.815	75	16294	5.206	ug/L #	69

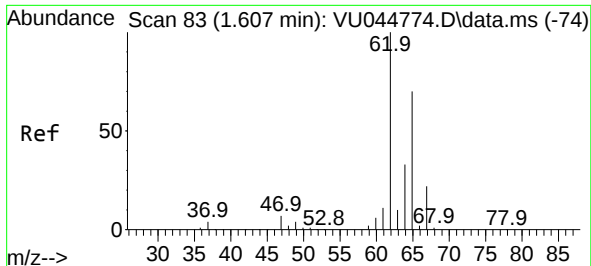
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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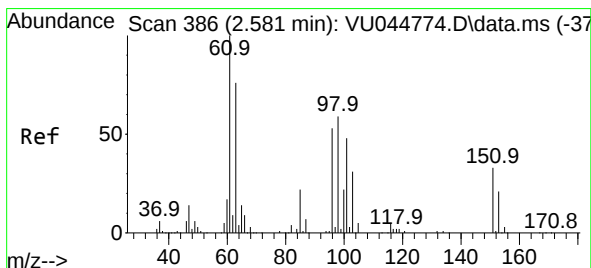
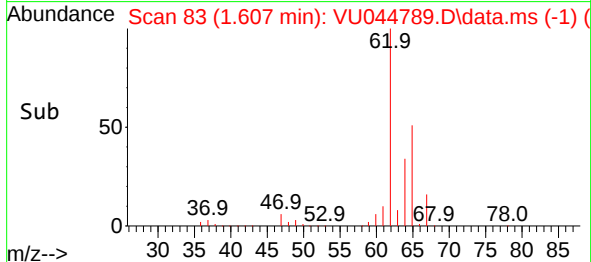
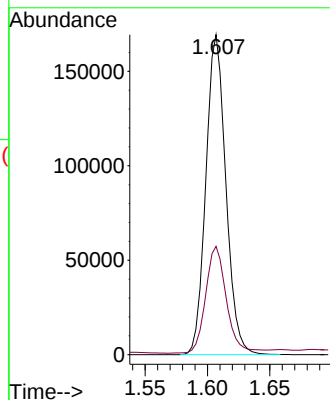
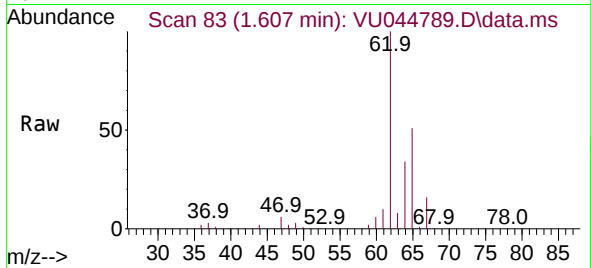




#5
 Vinyl chloride
 Concen: 60.702 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU044789.D
 Acq: 23 Sep 2021 17:00

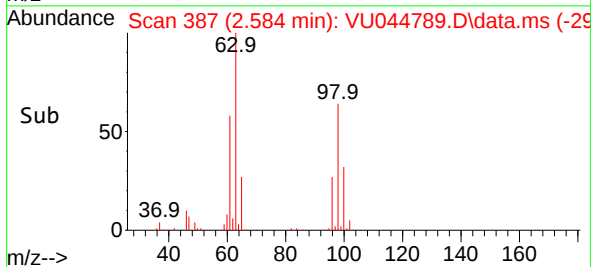
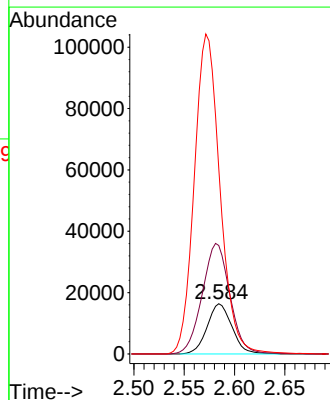
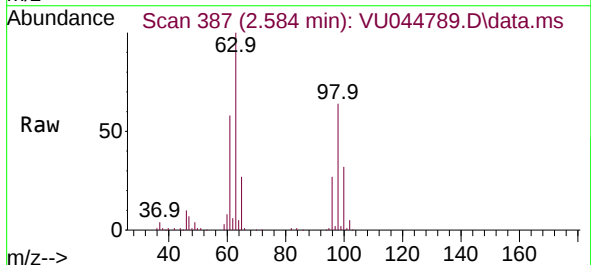
Instrument :
 MSVOA_U
 ClientSampled :

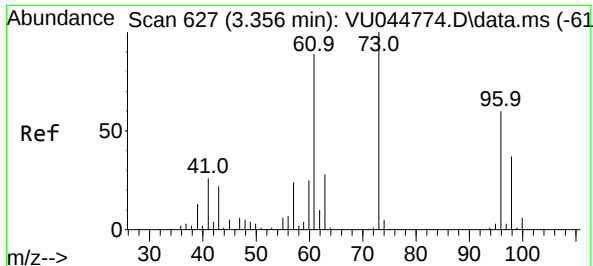
Tgt Ion: 62 Resp: 189222
 Ion Ratio Lower Upper
 62 100
 64 33.8 23.4 43.6



#12
 1,1-Dichloroethene
 Concen: 13.625 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.003 min
 Lab File: VU044789.D
 Acq: 23 Sep 2021 17:00

Tgt Ion: 96 Resp: 28129
 Ion Ratio Lower Upper
 96 100
 61 215.7 131.3 243.9
 63 369.4 102.5 190.3



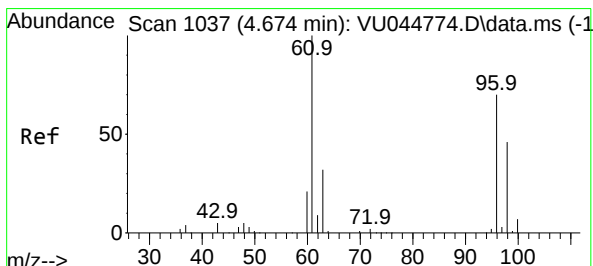
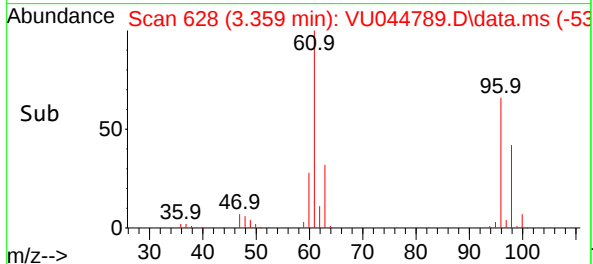
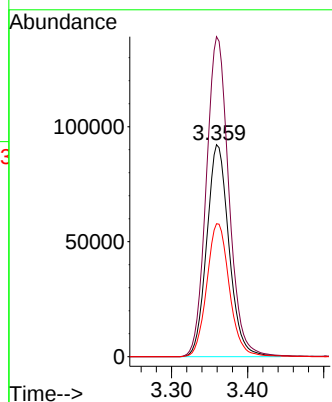
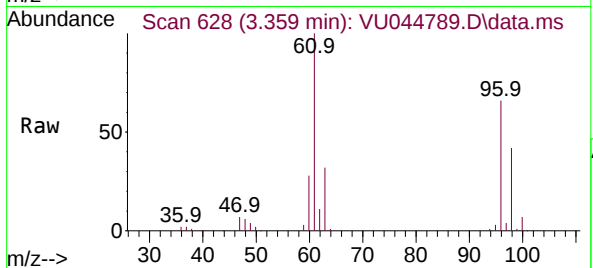


#17

trans-1,2-Dichloroethene
Concen: 86.416 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.003 min
Lab File: VU044789.D
Acq: 23 Sep 2021 17:00

Instrument :
MSVOA_U
ClientSampled :

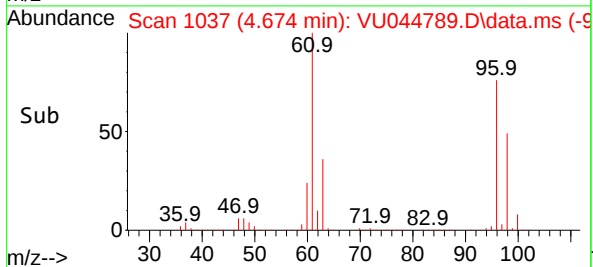
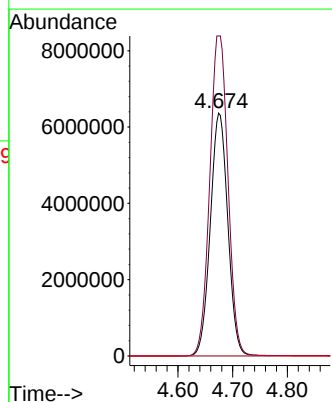
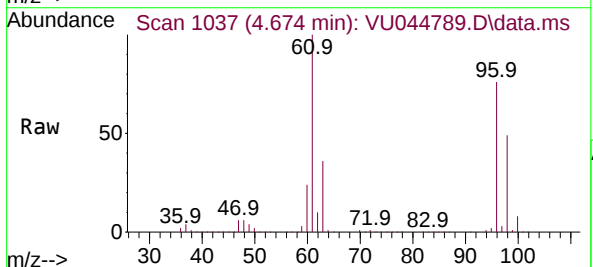
Tgt Ion: 96 Resp: 187933
Ion Ratio Lower Upper
96 100
61 151.0 105.1 195.3
98 62.7 43.0 79.8

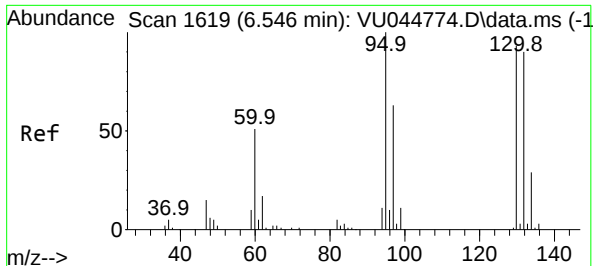


#20

cis-1,2-Dichloroethene
Concen: 5892.915 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VU044789.D
Acq: 23 Sep 2021 17:00

Tgt Ion: 96 Resp:14121755
Ion Ratio Lower Upper
96 100
61 131.8 100.2 186.0
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 1608.106 ug/L

RT: 6.549 min Scan# 1620

Delta R.T. 0.003 min

Lab File: VU044789.D

Acq: 23 Sep 2021 17:00

Tgt Ion: 95 Resp: 3718151

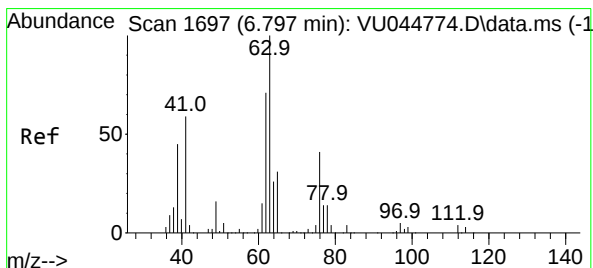
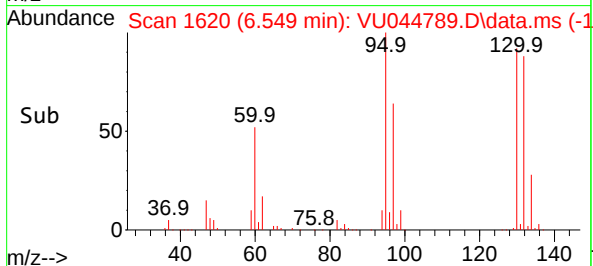
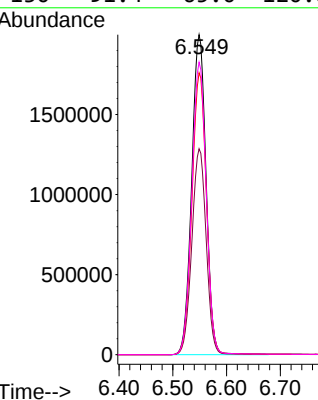
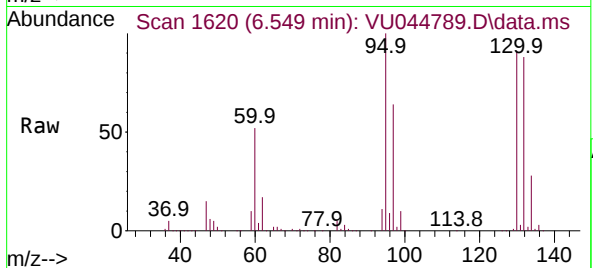
Ion Ratio Lower Upper

95 100

97 64.4 44.4 82.4

132 88.1 62.9 116.9

130 91.4 65.0 120.8



#37

1,2-Dichloropropane

Concen: 6.073 ug/L

RT: 6.697 min Scan# 1666

Delta R.T. -0.100 min

Lab File: VU044789.D

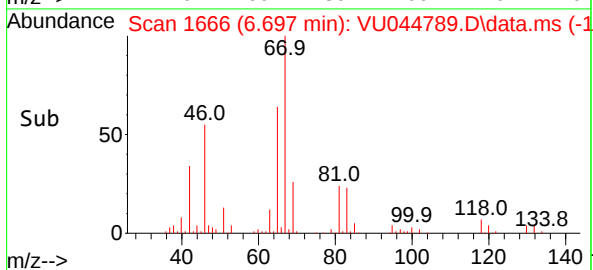
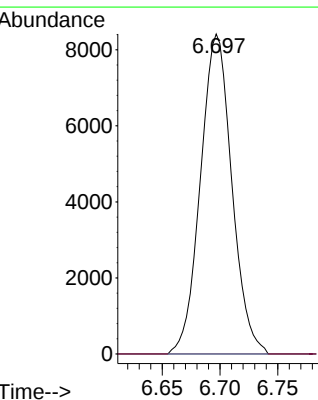
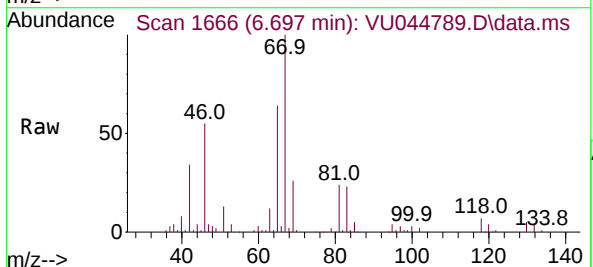
Acq: 23 Sep 2021 17:00

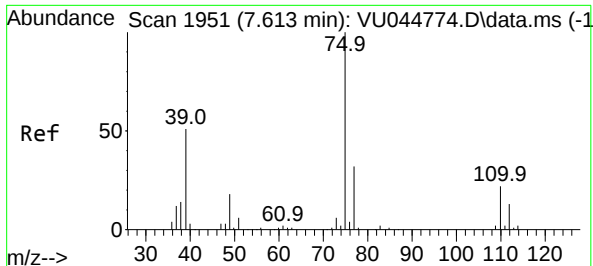
Tgt Ion: 63 Resp: 15918

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



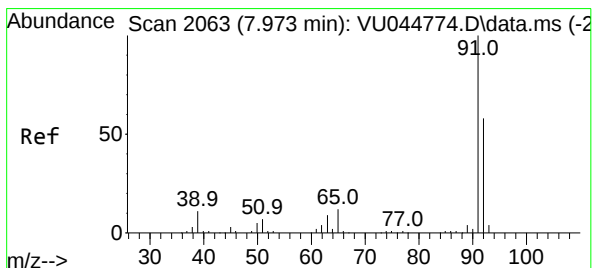
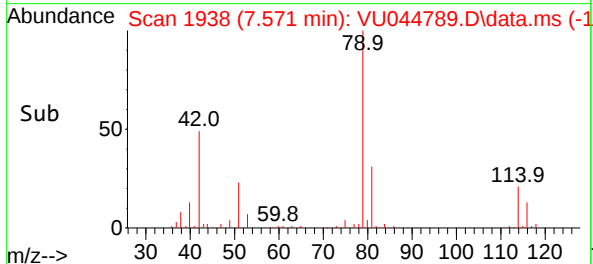
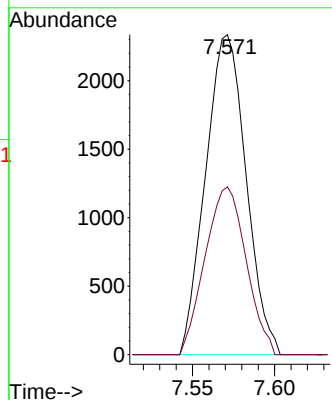
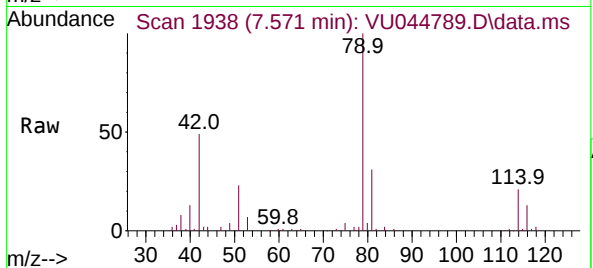


#39

cis-1,3-Dichloropropene
Concen: 1.069 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU044789.D
Acq: 23 Sep 2021 17:00

Instrument :
MSVOA_U
ClientSampled :

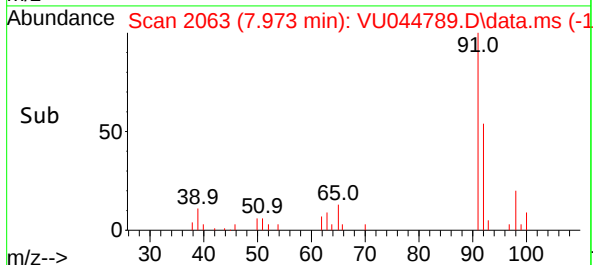
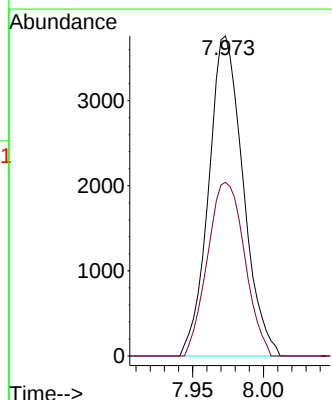
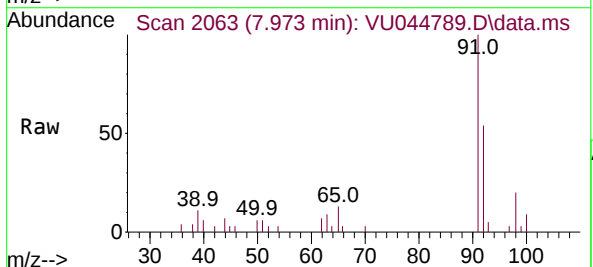
Tgt Ion: 75 Resp: 4010
Ion Ratio Lower Upper
75 100
77 52.4 22.4 41.6#

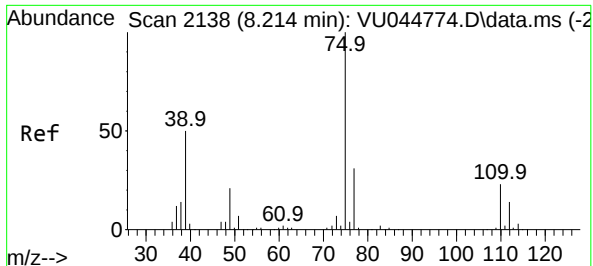


#42

Toluene
Concen: 0.650 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU044789.D
Acq: 23 Sep 2021 17:00

Tgt Ion: 91 Resp: 6356
Ion Ratio Lower Upper
91 100
92 54.2 40.5 75.1

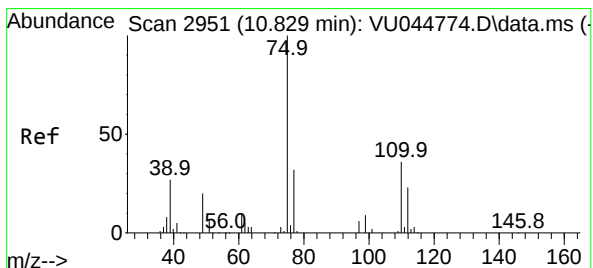
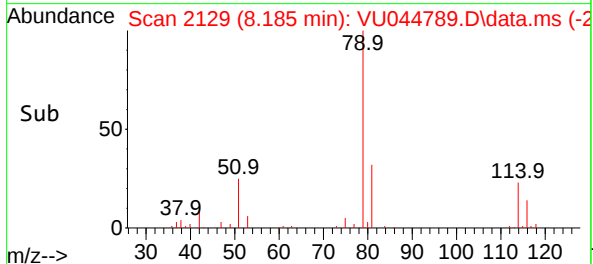
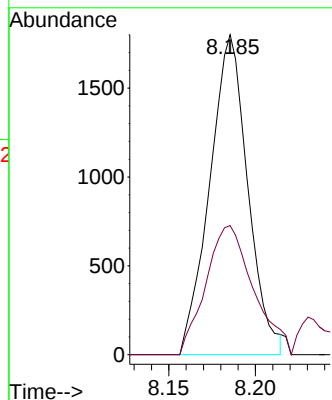
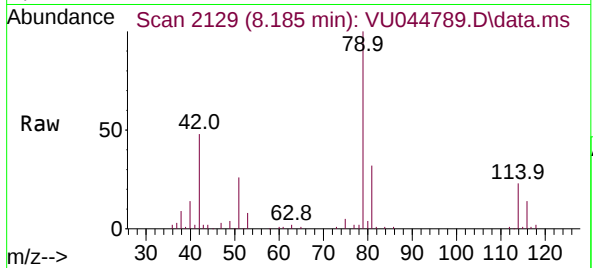




#44
trans-1,3-Dichloropropene
Concen: 0.771 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.029 min
Lab File: VU044789.D
Acq: 23 Sep 2021 17:00

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 75 Resp: 2749
Ion Ratio Lower Upper
75 100
77 40.4 21.7 40.3#



#60
1,2,3-Trichloropropane
Concen: 5.206 ug/L
RT: 11.815 min Scan# 3258
Delta R.T. 0.987 min
Lab File: VU044789.D
Acq: 23 Sep 2021 17:00

Tgt Ion: 75 Resp: 16294
Ion Ratio Lower Upper
75 100
77 32.3 25.5 38.3
110 1.9 29.0 43.4#

